NMHH Decree No 3/2024 of 29 January 2024 of the President of the National Media and Infocommunications Authority
amending NMHH Decree No 7/2015 of the National Media and Infocommunications Authority of 13 November 2015 on national frequency allocation and on the rules of frequency band use

On the basis of the authorisation granted in Section 182(3)(1), (3), (5), (6), (8) and (11) of Act C of 2003 on electronic communications, and acting within my competence as defined in Section 109(5) of Act CLXXXV of 2010 on media services and the mass media, I hereby order as follows:

Section 1

In Decree No 7/2015 of 13 November 2015 of the National Media and Infocommunications Authority (NMHH) on national frequency allocation and on the rules of frequency band use (hereinafter: the Decree), the following point 23a is added to Section 2(1) of the Decree:

(For the purposes of this Decree)

"23a. *average TRP:* TRP averaged over the active duration of the transmission burst;"

Section 2

(1) Section 15(13) of the Decree shall be replaced by the following:

[The Decree also serves the implementation of the ERC and ECC Decisions referred to in Section 7(6) and Annexes 2, 3 and 6 of the Decree, as well as the following decisions with regard to national frequency allocation and the rules on frequency band use:]

"13. ECC/DEC/(06)10: Transition of terrestrial service operations from the Bands 1980-2010 MHz and 2170-2200 MHz in order to facilitate the Harmonised Introduction and Development of Systems in the mobile-satellite service including those supplemented by a Complementary Ground Component;"

(2) The following points 27 and 28 are added to Section 15 of the Decree:

[The Decree also serves the implementation of the ERC and ECC Decisions referred to in Section 7(6) and Annexes 2, 3 and 6 of the Decree, as well as the following decisions with regard to the rules of frequency band use:]

"27. ECC/DEC/(21)03: ECC Decision on the withdrawal of ERC Decision (95)01 on the free circulation and use of certain radio equipment in CEPT member countries;

28. ECC/DEC/(22)05: ECC Decision on the withdrawal of ERC Decision (99)15 on the designation of the harmonised frequency band 40.5 to 43.5 GHz for the introduction of Multimedia Wireless Systems (MWS) and Point-to-Point (PtP) Fixed Wireless Systems."

Section 3

(1) Annex 1 of the Decree is amended in accordance with Annex 1 hereto.

(2) Annex 2 of the Decree is amended in accordance with Annex 2 hereto.

(3) Annex 3 of the Decree is amended in accordance with Annex 3 hereto.

(4) Annex 4 of the Decree is amended in accordance with Annex 4 hereto.

(5) Annex 6 of the Decree is amended in accordance with Annex 5 hereto.

(6) Annex 7 of the Decree is amended in accordance with Annex 6 hereto.

(7) Annex 8 of the Decree is amended in accordance with Annex 7 hereto.

Section 4

(1) In the Decree,

(a) in Section 1(1)(a)(aa), the words ‘for its use’ are replaced by the words ‘for use’,

(b) in Section 2(1)

(ba) in point 14, the words ‘LEST, marker transmitter’ are replaced by ‘marker transmitter’, ‘radio astronomy station’ is replaced by ‘radar beacon, radio astronomy station’, ‘radio determination station’ is replaced by ‘radio altimeter, radio determination station’ and ‘SNG’ is replaced by the words ‘radio probe, SNG’,

(bb) in point 22, the words ‘stroke’ are replaced by the words ‘burst’,

(bc) in point 54, the words ‘LTE 1800 MCA’ are replaced by the words ‘LTE 1800 MCA, non-AAS NR 1800 MCA’,

(bd) in point 91, the words ‘satellite system’ are replaced by the words ‘geostationary satellite system’, and the words ‘more than 34 dBW but not exceeding 60 dBW’ are replaced by the words ‘not greater than 60 dBW’,

(be) in point 182, the words ‘by systems, in particular UMTS, GSM and LTE’ are replaced with the words ‘by systems’,

(bf) in point 201, the words ‘transmitter/receiver’ are replaced by the words ‘transmitter/receiver station’;

(bg) in point 225, the words ‘radio transmitter’ are replaced by ‘radio transmitter station’,

(c) in Section 5(2), the words ‘frequency use’ are replaced by the words ‘radio spectrum use’,

(d) in Section 13(1),

(da) in point 31, the words ‘2013/654/EU and (EU) 2016/2317’ are replaced by the words ‘2013/654/EU, (EU) 2016/2317 and (EU) 2022/2324’;

(db) in point 45l, the words ‘Decision’ are replaced by ‘the Decision and Commission Implementing Decision (EU) 2022/2307 amending it’

.

(2) In Annex 1 to the Decree,

(a) in point 1.2, the words ‘show’ are replaced by the words ‘shows and is described in points 1.3 to 1.6’,

(b) in fields A:99–C:99 and D:99 of the table under point 2.2, the words ‘AMATEUR’ are replaced by the words ‘Amateur’,

(c) in the table under point 3.2, the words ‘in Eswatini’ in fields B:24, B:47, B:68, B:84, B:147, B:158, B:162, B:210, B:264, B:321, B:393, B:479, B:519, B:545, B:580, B:608, B:672, B:790 and B:791 are replaced by ‘in Swaziland’,

(d) in point 3.2, the words ‘Eswatini’ in fields B:220 and B:520 of the table are replaced by ‘Swaziland’

.

(3) In Annex 3 to the Decree,

1. in point 1.12.1, the words ‘active antenna system’ are replaced by the words ‘AAS’,

2. in point 1.12.6, the words ‘non-active antenna system’ are replaced by the words ‘non-AAS’,

3. in field B:3 of the table under point 2.1, the words ‘SM.1138-2’ are replaced by ‘SM.1138-3’,

4. in point 2.9.3, the words ‘with valid radio licence’ are replaced by the words ‘with radio licence’,

5. in field B:2 of the table under point 2.13.5, the words ‘only FDD’ are replaced by ‘FDD’,

6. in field A:4 of the table under point 3.1.3, the words ‘suppression’ are replaced by ‘selectivity’;

7. in point 3.1.5, the words ‘suppression’ are replaced by ‘selectivity’;

8. in field B:6 of the table under point 3.2.2, the words ‘only FDD’ are replaced by ‘FDD’,

9. in point 3.2a.2, the words ‘Lower and upper block band FDD’ are replaced by ‘The band’,

10. in field B:5 of the table under point 3.2a.4.1, the words ‘only FDD’ are replaced by ‘FDD’,

11. in point 3.9.2, ‘Lower and upper block band FDD’ are replaced by ‘The band’,

12. in point 3.9.6.2, the words ‘Non-active antenna system’ are replaced by ‘Non-AAS’ and ‘Active antenna system’ is replaced by ‘AAS’,

13. in field C:1 of the table under point 3.9.6.3, the words ‘non-active antenna system’ are replaced by ‘non-AAS’, and in field D:1 the words ‘active antenna system’ are replaced by ‘AAS’,

14. in point 3.9.6.3.1, the words ‘Non-active antenna system’ are replaced by ‘Non-AAS’,

15. in point 3.9.6.4, the words‘active antenna system’ are replaced by ‘AAS’,

16. in point 3.10.1, the words ‘The band TDD’ are replaced by ‘The band’,

17. in field B:5 of the table under point 3.10.4, the words ‘only TDD’ are replaced by ‘TDD’,

18. in field B:5 of the table under point 3.11.6.1, the words ‘only FDD’ are replaced by ‘FDD’,

19. in field A:3 of the table under point 3.11.8, the words ‘Non-active antenna system’ are replaced by the words ‘Non-AAS’, and in field A:4, the words ‘Active antenna system’ are replaced by ‘AAS’,

20. in field B:1 of the table under point 3.11.9.2, and in field B:1 of the table under point 3.11.9.3, the words ‘non-active antenna system’ are replaced by the words ‘non-AAS’,

21. in field C:1 of the table under point 3.11.9.2, in field C:1 of the table under point 3.11.9.3 and in point 3.11.9.4, the words ‘active antenna system’ are replaced by the words ‘AAS’,

22. in point 3.12.1, the words ‘3400–3800 MHz band’ are replaced by ‘band’,

23. in point 3.12.7.1.3, the words ‘carrier power, active antenna system’ are replaced by the words ‘carrier power, AAS’,

24. in field B:1 of the table under point 3.12.7.3 and in point 3.12.7.1.3, as well as in field B:1 of the table under point 3.12.7.4, the words ‘non-active antenna system’ are replaced by the words ‘non-AAS’,

25. in field C:1 of the table under point 3.12.7.3, and in field C:1 of the table under point 3.12.7.4, the words ‘active antenna system’ are replaced by the words ‘AAS’,

26. in point 4.1.1, the words ‘non-civil only’ are replaced by the words ‘non-civil’,

27. in field C:2 of the table under point 4.3.3, the words ‘Ground-based air traffic’ are replaced by ‘Air traffic’,

28. in point 4.4.4., the words ‘emission’ are replaced by the words ‘the emission’,

29. in field B:5 of the table under point 4.12.1, the words ‘30 dB’ are replaced by ‘30 dB in order to reduce the total transmission power to 3 dBm’,

30. in field E:4 of the table under point 9.3.2, the words ‘mexinal’ are replaced by ‘maximum’,

31. in field B:5 of the table under point 10.3.2.4, and in field B:8 of the table under point 10.3.3.3, the words ‘UASs’ are replaced by the words ‘UAS’

.

(4) In Annex 4 to the Decree,
(a) in point 1.2, the words ‘2-4’ are replaced by the words ‘2–4’,
(b) in field B:6 of the table under point 2, the words ‘2020’ are replaced by ‘2022’
.

(5) In point 1 of Annex 5 to the Decree, the words ‘MCV GSM’ in fields B:2 and B:5 of the table are replaced by ‘GSM MCV’.

(6) In point 1 of Annex 6 to the Decree, the words ‘to base station’ in fields B:14–C:14 of the table are replaced by the words ‘to ship-base station’.

(7) In the table in Annex 7 to the Decree,
(a) in field B:82, the words ‘power’ are replaced by the words ‘EIRP’,
(b) in field B:124/A, the words ‘data’ are replaced by ‘data’,
(c) in field B:167/A, the words ‘DownLink’ are replaced by ‘Downlink’,
(d) in field B:171, the words ‘news exchange’ shall be replaced by the words „news gathering’,
(e) in field B:180/A, the words ‘UpLink’ are replaced by ‘Uplink’
.

(8) In Annex 8 to the Decree,
(a) in the table under point 1.4
(aa) in field A:9, the words ‘BS.1114-11’ are replaced by ‘BS.1114-12’,
(ab) in field A:12, the words ‘BS.1660-8’ are replaced by ‘BS.1660-9’,
(ac) in field A:15, the words ‘BT.2033-1’ are replaced by ‘BT.2033-2’,
(ad) in field A:28, the words ‘M.2092-0’ are replaced by ‘M.2092-1’,
(ae) in field A:29, the words ‘P.452-16’ are replaced by ‘P.452-17’,
(b) in the table under point 3.3
(ba) in field A:14, the words ‘18 June 2021’ are replaced by ‘17 February 2023’,
(bb) in field A:14/A, the words ‘1 October 2021’ are replaced by ‘23 May 2022’,
(bc) in field A:23/A, the words ‘6 March 2020’ are replaced by ‘18 November 2022’,
(c) in field B:2 of the table under point 4, the words ‘2014’ are replaced by ‘2021’,
(d) in field A:4 of the table under point 6.1, the words ‘25 February 2021’ are replaced by ‘19 July 2022’,
(e) in the table under point 7.1
(ea) in field C:21, the words ‘in table 5’ are replaced by the words ‘in table 5 of this standard’,
(eb) in field B:43, the words ‘aircraft’ are replaced by ‘aircraft’,
(ec) in field B:57, the words ‘TDD’ are replaced by ‘FDD’,
(ed) in field B:78, the words ‘navigation used on inland waterways’ are replaced by the words ‘Inland waterway navigation’,
(ee) in field C:80, the words ‘694 MHz.’ are replaced by ‘694 MHz’,
(ef) in field B:82, the words ‘Article 3(2)’ shall be replaced by ‘article 3.2’,
(eg) in fields C:114 and C:120, the words ‘section’ are replaced by the words ‘point’,
(eh) in field C:125, the words ‘point’ are replaced by the words ‘section’ and the words ‘in point’ are replaced by ‘in section’
.

Section 5

The following shall be repealed in the Decree:
(a) Section 2(1)(128),

(b) in Annex 3
(ba) points 3.2b and 3.3a,
(bb) row 7 of the table under point 9.2.2,
(c) rows 64 and 103 of the table in Annex 7,
(d) in Annex 8
(da) rows 21 and 25 of the table under point 3.3,
(db) rows 17 and 18 of the table under point 7.1,
(dc) in field B:2 of the table under point 8, the words ‘6 May 2019’.

Section 6

This Decree shall enter into force on 15 February 2024.

Section 7

(1) This Decree serves to comply with
(a) Commission Implementing Decision (EU) 2022/2307 of 23 November 2022 amending Implementing Decision (EU) 2022/179 as regards designating and making available the 5 150-5 250 MHz, 5 250-5 350 MHz and 5 470-5 725 MHz frequency bands in accordance with the technical conditions set out in the Annex, and
(b) Commission Implementing Decision (EU) 2022/2324 of 23 November 2022 amending Decision 2008/294/EC, to include additional access technologies and measures for the operation of mobile communications services on aircraft (MCA services) in the Union
.

(2) The requirement for the prior notification of this draft decree, as stipulated in Articles 5-7 of Directive (EU) 2015/1535 of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information in the field of technical regulations and of rules on Information Society services, has been met.

Dr. András Koltay (sgd.)
President of the National Media and Infocommunications Authority

Annex 1 to NMHH Decree No 3/2024 of 29 January 2024 of the National Media and Infocommunications Authority

In Annex 1 to the Decree, the following points 1.3 to 1.6 are inserted:

“1.3 *Region 1* includes the zone bounded to the east by Line A and by Line B to the west, except for the part of the territory of the Islamic Republic of Iran between those borders. This region includes the entire territory of Armenia, Azerbaijan, the Russian Federation, Georgia, Kazakhstan, Mongolia, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan, Turkey and Ukraine, as well as the zone lying north of the Russian Federation between Lines A and C.

1.4 *Region 2* includes the zone bounded by Line B to the east and Line C to the west.

1.5 *Region 3* includes the zone bounded by Line C to the east and Line A to the west, except for the territory of Armenia, Azerbaijan, the Russian Federation, Georgia, Kazakhstan, Mongolia, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan, Turkey and Ukraine and the zone lying north of the Russian Federation. This region also includes that part of the territory of the Islamic Republic of Iran that lies outside these borders.

1.6 In the context of point 1:
1.6.1 *Line A* is the line, in the figure in point 1.2, which starting from the North Pole follows the meridian of longitude 40° E of Greenwich to latitude 40° N and then continues on the arc along the main circle to the point where the meridian of longitude 60° E intersects with the Cancer Cross, from where it passes along the meridian of longitude 60° E to the South Pole.
1.6.2 *Line B* is the line, in the figure in point 1.2, which starting from the North Pole follows the meridian of longitude 10° W of Greenwich to its intersection with the parallel of latitude 72° N; it shall then continue on the arc along the main circle to the point where the meridian of longitude 50° W intersects with the parallel of latitude 40° N; from there it continues on the arc along the main circle to the point where the meridian of longitude 20° W intersects with the parallel of latitude 10° S, and from there it passes along the meridian of longitude 20° W to the South Pole.
1.6.3 *Line C* is the line, in the figure in point 1.2, which starting from the North Pole follows the arc along the main circle to the point where the parallel of latitude 65° 30′ N intersects with the international border of the Bering Strait; from there, it continues on the arc along the main circle until the point where the meridian of longitude 165° E of Greenwich intersects with the parallel of latitude 50° N; it then continues on the arc along the main circle to the point where the meridian of longitude 170° W intersects with the parallel of latitude 10° N; from there it follows the parallel of latitude 10° N to the point where it intersects with the meridian of longitude 120° W, from where it passes along the meridian of longitude 120° W to the South Pole.”

Annex 2 to NMHH Decree No 3/2024 of 29 January 2024 of the National Media and Infocommunications Authority

Point 2 of Annex 2 to the Decree is replaced by the following:

"**2. Table**

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3	**Below 8.3 kHz**							
4	(Not allocated)	5.53 5.54	E					
5			P	1	K	Passive meteorological applications		
6			PN			SRD		Annex 3, point 9.1
7				3	K	Inductive applications in the 0.1-8.3 kHz band		Annex 3, point 9.10.2
8				3	K	Radio microphone applications and wireless audio and multimedia streaming applications in the 0.1-8.3 kHz band.		Annex 3, point 9.11.2
9	**8.3-9 kHz**							
10	METEOROLOGY	5.54A	P	1	K	Passive meteorological applications		
11			PN			SRD		Annex 3, point 9.1
12				3	K	Inductive applications		Annex 3, point 9.10.2
13				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.2
14	**9-14 kHz**							
15	METEOROLOGY (9-11.3 kHz)	5.54A	P	1	K	Passive meteorological applications		
16	RADIO NAVIGATION		E	1	K	Flight en route (ground-air) radio navigation systems		
17				1	K	Long range en-route (ground-air) hyperbolic radio navigation system (Omega system)	ICAO, Annex 10	
18			PN			SRD		Annex 3, point 9.1
19				3	K	Radio determination applications		Annex 3, point 9.7.1
20				3	K	Inductive applications		Annex 3, point 9.10.1
21				3	K	Active medical implants		Annex 3, point 9.13.1
22	**14-19.95 kHz**							
23	FIXED	5.56 NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsection 24.1, 24.2	For civilian use: Annex 3, point 2.1
24				1	K	Military fixed systems		
25			PN			SRD		Annex 3, point 9.1
26				3	K	Radio determination applications		Annex 3, point 9.7.1
27				3	K	Inductive applications		Annex 3, point 9.10.1
28				3	K	Active medical implants		Annex 3, point 9.13.1
29	**19.95-20.05 kHz**							
30	AUTHENTIC FREQUENCY AND CLOCK SIGNAL (20 kHz)		P	1	K	Authentic frequency and clock signal applications		
31			PN			SRD		Annex 3, point 9.1
32				3	K	Radio determination applications		Annex 3, point 9.7.1
33				3	K	Inductive applications		Annex 3, point 9.10.1
34				3	K	Active medical implants		Annex 3, point 9.13.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
35	**20.05-70 kHz**							
36	FIXED	5.56	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsection 24.1, 24.2	For civilian use: Annex 3, point 2.1
37		NJE		1	K	Military fixed systems		
38			PN			SRD		Annex 3, point 9.1
39				3	K	Radio determination applications		Annex 3, point 9.7.1
40				3	K	Inductive applications		Annex 3, point 9.10.1
41				3	K	Active medical implants		Annex 3, point 9.13.1
42	**70-86 kHz**							
43	FIXED (72-84 kHz)	5.56	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsection 24.1, 24.2	For civilian use: Annex 3, point 2.1
44		NJE		1	K	Military fixed systems		
45	RADIO NAVIGATION	5.60	E	1	K	Radio beacons (ground-air)		
46				1	K	Shipborne radio navigation applications		
47			PN			SRD		Annex 3, point 9.1
48				3	K	Radio determination applications		Annex 3, point 9.7.1
49				3	K	Inductive applications		Annex 3, point 9.10.1
50				3	K	Active medical implants		Annex 3, point 9.13.1
51	**86-90 kHz**							
52	FIXED	5.56	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsection 24.1, 24.2	For civilian use: Annex 3, point 2.1
53		NJE		1	K	Military fixed systems		
54	RADIO NAVIGATION		E	1	K	Radio beacons (ground-air)		
55				1	K	Shipborne radio navigation applications		
56			PN			SRD		Annex 3, point 9.1
57				3	K	Radio determination applications		Annex 3, point 9.7.1
58				3	K	Inductive applications		Annex 3, point 9.10.1
59				3	K	Active medical implants		Annex 3, point 9.13.1
60	**90-110 kHz**							
61	RADIO NAVIGATION	5.62	E	1	K	Radio beacons (ground-air)		
62	Fixed	5.64	E	2	K	Point-to-point, point-to-multipoint systems	RR, subsection 24.1, 24.2	For civilian use: Annex 3, point 2.1
63		NJE		2	K	Military fixed systems		
64			PN			SRD		Annex 3, point 9.1
65				3	K	Radio determination applications		Annex 3, point 9.7.1
66				3	K	Inductive applications		Annex 3, point 9.10.1
67				3	K	Active medical implants		Annex 3, point 9.13.1
68	**110-112 kHz**							
69	FIXED	5.64	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsection 24.1, 24.2	For civilian use: Annex 3, point 2.1
70		NJE		1	K	Military fixed systems		
71	RADIO NAVIGATION		E	1	K	Radio beacons (ground-air)		
72			PN			SRD		Annex 3, point 9.1
73				3	K	Radio determination applications		Annex 3, point 9.7.1
74				3	K	Inductive applications		Annex 3, point 9.10.1
75				3	K	Active medical implants		Annex 3, point 9.13.1
76	**112-117.6 kHz**							
77	RADIO NAVIGATION	5.60	E	1	K	Radio beacons (ground-air)		
78	Fixed (115-117.6 kHz)	5.64	E	2	K	Point-to-point, point-to-multipoint systems	RR, subsection 24.1, 24.2	For civilian use: Annex 3, point 2.1
79		NJE		2	K	Military fixed systems		
80			PN			SRD		Annex 3, point 9.1
81				3	K	Radio determination applications		Annex 3, point 9.7.1
82				3	K	Inductive applications		Annex 3, point 9.10.1
83				3	K	Active medical implants		Annex 3, point 9.13.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
84	**117.6-126 kHz**							
85	FIXED	5.64	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsection 24.1, 24.2	For civilian use: Annex 3, point 2.1
86		NJE		1	K	Military fixed systems		
87	RADIO NAVIGATION	5.60	E	1	K	Radio beacons (ground-air)		
88			PN			SRD		Annex 3, point 9.1
89				3	K	Radio determination applications		Annex 3, point 9.7.1
90				3	K	Inductive applications		Annex 3, point 9.10.1
91				3	K	Active medical implants		Annex 3, point 9.13.1
92	**126-130 kHz**							
93	FIXED (129-130 kHz)	5.64	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsection 24.1, 24.2	For civilian use: Annex 3, point 2.1
94		NJE		1	K	Military fixed systems		
95	RADIO NAVIGATION	5.60	E	1	K	Radio beacons (ground-air)		
96			PN			SRD		Annex 3, point 9.1
97				3	K	Radio determination applications		Annex 3, point 9.7.1
98				3	K	Inductive applications		Annex 3, point 9.10.1
99				3	K	Active medical implants		Annex 3, point 9.13.1
100	**130-148.5 kHz**							
101	FIXED	5.64	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsection 24.1, 24.2	For civilian use: Annex 3, point 2.1
102		NJE		1	K	Military fixed systems		
103	Amateur (135.7-137.8 kHz)	5.67A 5.67B	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
104			PN			SRD		Annex 3, point 9.1
105				3	K	Radio determination applications		Annex 3, point 9.7.1
106				3	K	Inductive applications		Annex 3, point 9.10.1
107				3	K	Active medical implants		Annex 3, point 9.13.1
108	**148.5-283.5 kHz**							
109	BROADCASTING		P			Terrestrial radio broadcasting	GE75 T/R 51-01	Only electronic communications services may be provided in the band.
110				1	K	LW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
111				1	K	LW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
112	AERONAUTICAL RADIO NAVIGATION (255-283.5 kHz)	NJE	E	1	K	En route beacons (NDB) (ground-air)	ICAO Annex 10: Volume I, Chapter 3, points 3.4, 3.9 Volume I, Annex C, point 6 Volume V, Chapter 3, point 3.2 Volume V, Annex B ICAO COM-Table 4 Official frequency list	Channel spacing: - 0.5 kHz or 1 kHz (for use in an European region) - 1 kHz (for use in other regions)
113				1	K	Approach beacons (ground-air)		
114				1	K	Military aeronautical radio navigation systems		
115			PN			SRD		Annex 3, point 9.1
116				3	K	Radio determination applications		Annex 3, point 9.7.1
117				3	K	Inductive applications		Annex 3, point 9.10.1
118				3	K	Active medical implants		Annex 3, point 9.13.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
119	**283.5-405 kHz**							
120	AERONAUTICAL RADIONAVIGATION	NJE	E	1	K	En route beacons (NDB) (ground-air)	GE85-EMA ICAO Annex 10: Volume I, Chapter 3, points 3.4, 3.9 Volume I, Annex C, point 6 Volume V, Chapter 3, point 3.2 Volume V, Annex B ICAO COM-Table 4 Official frequency list	Channel spacing: - 0.5 kHz or 1 kHz (for use in an European region) - 1 kHz (for use in other regions)
121				1	K	Approach beacons (ground-air)		
122				1	K	Military aeronautical radio navigation systems		
123			PN			SRD		Annex 3, point 9.1
124				3	K	Radio determination applications		Annex 3, point 9.7.1
125				3	K	Inductive applications		Annex 3, point 9.10.1
126				3	K	RFID applications in the 400-405 kHz band		Annex 3, point 9.12.1
127				3	K	Active medical implants in the 283.5-315 kHz band		Annex 3, point 9.13.1
128	**405-415 kHz**							
129	AERONAUTICAL RADIONAVIGATION	5.76 NJE	E	1	K	En route beacons (NDB) (ground-air)	ICAO Annex 10: Volume I, Chapter 3, points 3.4, 3.9 Volume I, Annex C, point 6 Volume V, Chapter 3, point 3.2 Volume V, Annex B ICAO COM-Table 4 Official frequency list	Channel spacing: 1 kHz (in the European region: 0.5 kHz can also be used)
130				1	K	Approach beacons (ground-air)		
131				1	K	Military aeronautical radio navigation systems		
132			PN			SRD		Annex 3, point 9.1
133				3	K	Radio determination applications		Annex 3, point 9.7.1
134				3	K	Inductive applications		Annex 3, point 9.10.1
135				3	K	RFID applications		Annex 3, point 9.12.1
136	**415-435 kHz**							
137	AERONAUTICAL RADIONAVIGATION	NJE	E	1	K	En route beacons (NDB) (ground-air)	GE85-MM-R1 ICAO Annex 10: Volume I, Chapter 3, points 3.4, 3.9 Volume I, Annex C, point 6 Volume V, Chapter 3, point 3.2 Volume V, Annex B ICAO COM-Table 4 Official frequency list	Channel spacing: - 0.5 kHz or 1 kHz (for use in an European region) - 1 kHz (for use in other regions)
138				1	K	Approach beacons (ground-air)		
139				1	K	Military aeronautical radio navigation systems		
140			PN			SRD		Annex 3, point 9.1
141				3	K	Radio determination applications		Annex 3, point 9.7.1
142				3	K	Inductive applications		Annex 3, point 9.10.1
143				3	K	RFID applications		Annex 3, point 9.12.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
144	**435-479 kHz**							
145	AERONAUTICAL RADIONAVIGA-TION	5.82 NJE RRE	E	1	K	En route beacons (NDB) (ground-air)	ICAO Annex 10: Volume I, Chapter 3, points 3.4, 3.9 Volume I, Annex C, point 6 Volume V, Chapter 3, point 3.2 Volume V, Annex B ICAO COM-Table 4 Official frequency list	Channel spacing: - 0.5 kHz or 1 kHz (for use in an European region) - 1 kHz (for use in other regions)
146				1	K	Approach beacons (ground-air)		
147				1	K	Military aeronautical radio navigation systems		
148	Amateur (472-479 kHz)	5.80A 5.80B 5.82	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
149			PN			SRD		Annex 3, point 9.1
150				3	K	Tracking, tracing and data collection applications in the 442.2–450 kHz and 456.9-457.1 kHz bands		Annex 3, point 9.3.1
151				3	K	Radio determination applications		Annex 3, point 9.7.1
152				3	K	Inductive applications		Annex 3, point 9.10.1
153				3	K	RFID applications		Annex 3, point 9.12.1
154	**479-495 kHz**							
155	AERONAUTICAL RADIONAVIGA-TION	5.82 NJE RRE	E	1	K	En route beacons (NDB) (ground-air)	ICAO Annex 10: Volume I, Chapter 3, points 3.4, 3.9 Volume I, Annex C, point 6 Volume V, Chapter 3, point 3.2 Volume V, Annex B ICAO COM-Table 4 Official frequency list	Channel spacing: - 0.5 kHz or 1 kHz (for use in an European region) - 1 kHz (for use in other regions)
156				1	K	Approach beacons (ground-air)		
157				1	K	Military aeronautical radio navigation systems		
158		5.79A 5.82	PN	1	K	GMDSS: Send MSI via NAVTEX at 490 kHz	RR, Chapter VII, Articles 51, 52 RR, Appendix 15 MSZ EN 300 065	
159			PN			SRD		Annex 3, point 9.1
160				3	K	Radio determination applications		Annex 3, point 9.7.1
161				3	K	Inductive applications		Annex 3, point 9.10.1
162				3	K	RFID applications		Annex 3, point 9.12.1
163	**495-505 kHz**							
164	MARITIME MOBILE	NJE	E	1	K	Coast stations with narrowband direct-printing telegraph equipment	RR, Article 52	
165				1	K	Military inland waterway mobile systems		
166			PN			SRD		Annex 3, point 9.1
167				3	K	Radio determination applications		Annex 3, point 9.7.1
168				3	K	Inductive applications		Annex 3, point 9.10.1
169				3	K	RFID applications		Annex 3, point 9.12.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
170	**505-526.5 kHz**							
171	AERONAUTICAL RADIONAVIGATION	NJE	E	1	K	En route beacons (NDB) (ground-air)	GE85-MM-R1 ICAO Annex 10: Volume I, Chapter 3, points 3.4, 3.9 Volume I, Annex C, point 6 Volume V, Chapter 3, point 3.2 Volume V, Annex B ICAO COM-Table 4 Official frequency list	Channel spacing: - 0.5 kHz or 1 kHz (for use in an European region) - 1 kHz (for use in other regions)
172				1	K	Approach beacons (ground-air)		
173				1	K	Military aeronautical radio navigation systems		
174		5.79A 5.84	PN	1	K	GMDSS: Send MSI via NAVTEX at 518 kHz	RR, Chapter VII, Articles 51, 52 RR, Appendix 15 MSZ EN 300 065	
175			PN			SRD		Annex 3, point 9.1
176				3	K	Radio determination applications		Annex 3, point 9.7.1
177				3	K	Inductive applications		Annex 3, point 9.10.1
178				3	K	RFID applications		Annex 3, point 9.12.1
179	**526.5-1606.5 kHz**							
180	BROADCASTING		P			Terrestrial radio broadcasting	GE75 T/R 51-01	Only electronic communications services may be provided in the band.
181				1	K	MW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
182				1	K	MW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
183			PN			SRD		Annex 3, point 9.1
184				3	K	Railway applications in the 984-1606.5 kHz band		Annex 3, point 9.5.1
185				3	K	Radio determination applications		Annex 3, point 9.7.1
186				3	K	Inductive applications		Annex 3, point 9.10.1
187				3	K	RFID applications in the 526.5-600 kHz band		Annex 3, point 9.12.1
188	**1606.5-1625 kHz**							
189	FIXED	NJE	N	1	K	Military fixed systems	RR, subsections 24.1, 24.2	
190	LAND MOBILE	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
191				1	K	Military mobile systems		
192	AERONAUTICAL RADIONAVIGATION	5.92 RRE	N	1	K	Aeronautical radionavigation systems	GE85-MM-R1	
193			PN			SRD		Annex 3, point 9.1
194				3	K	Railway applications		Annex 3, point 9.5.1
195				3	K	Radio determination applications		Annex 3, point 9.7.1
196				3	K	Inductive applications		Annex 3, point 9.10.1
197	**1625-1635 kHz**							
198	FIXED	5.93	N	1	K	Military fixed systems	RR, subsections 24.1, 24.2	
199	LAND MOBILE	5.93	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
200	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
201				1	K	Military radiolocation systems		
202			PN			SRD		Annex 3, point 9.1
203				3	K	Railway applications		Annex 3, point 9.5.1
204				3	K	Radio determination applications		Annex 3, point 9.7.1
205				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
206	**1635-1800 kHz**							
207	FIXED	NJE	N	1	K	Military fixed systems	RR, subsections 24.1, 24.2	
208	LAND MOBILE	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
209				1	K	Military mobile systems		
210	AERONAUTICAL RADIONAVIGA-TION	5.92 RRE	N	1	K	Aeronautical radionavigation systems	GE85-MM-R1	
211			PN			SRD		Annex 3, point 9.1
212				3	K	Railway applications		Annex 3, point 9.5.1
213				3	K	Radio determination applications		Annex 3, point 9.7.1
214				3	K	Inductive applications		Annex 3, point 9.10.1
215	**1800-1810 kHz**							
216	FIXED	5.93	N	1	K	Military fixed systems	RR, subsections 24.1, 24.2	
217	LAND MOBILE	5.93	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
218	RADIOLOCATION	NJE	N	1	K	Military radiolocation systems		
219			PN			SRD		Annex 3, point 9.1
220				3	K	Railway applications		Annex 3, point 9.5.1
221				3	K	Radio determination applications		Annex 3, point 9.7.1
222				3	K	Inductive applications		Annex 3, point 9.10.1
223	**1810-1850 kHz**							
224	AMATEUR	5.100	P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
225			PN			SRD		Annex 3, point 9.1
226				3	K	Railway applications		Annex 3, point 9.5.1
227				3	K	Radio determination applications		Annex 3, point 9.7.1
228				3	K	Inductive applications		Annex 3, point 9.10.1
229	**1850-2000 kHz**							
230	FIXED	5.103 NJE	N	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	
231				1	K	Military fixed systems		
232	MOBILE, except aeronautical mobile	5.103 NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1
233				1	K	Military mobile systems		Annex 3, point 4.2
234	AERONAUTICAL RADIONAVIGA-TION	5.92 RRE	N	1	K	Aeronautical radionavigation systems		
235	Amateur	5.96	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
236			PN			SRD		Annex 3, point 9.1
237				3	K	Railway applications		Annex 3, point 9.5.1
238				3	K	Radio determination applications		Annex 3, point 9.7.1
239				3	K	Inductive applications		Annex 3, point 9.10.1
240	**2000-2045 kHz**							
241	FIXED	5.103 NJE	N	1	K	Military fixed systems	RR, subsections 24.1, 24.2	
242	MOBILE, except aeronautical mobile (R)	5.103 NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1
243				1	K	Military mobile systems		
244	AERONAUTICAL RADIONAVIGA-TION	5.92 RRE	N	1	K	Aeronautical radionavigation systems		
245			PN			SRD		Annex 3, point 9.1
246				3	K	Railway applications		Annex 3, point 9.5.1
247				3	K	Radio determination applications		Annex 3, point 9.7.1
248				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
249	**2045-2160 kHz**							
250	FIXED	NJE	N	1	K	Military fixed systems	RR, subsections 24.1, 24.2	
251	LAND MOBILE	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
252				1	K	Military mobile systems		
253	AERONAUTICAL RADIONAVIGATION	5.92 RRE	N	1	K	Aeronautical radionavigation systems	GE85-MM-R1	
254			PN			SRD		Annex 3, point 9.1
255				3	K	Railway applications		Annex 3, point 9.5.1
256				3	K	Radio determination applications		Annex 3, point 9.7.1
257				3	K	Inductive applications		Annex 3, point 9.10.1
258	**2160-2170 kHz**							
259	FIXED	5.93	N	1	K	Military fixed systems	RR, subsections 24.1, 24.2	
260	LAND MOBILE	5.93	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
261	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
262				1	K	Military radiolocation systems		
263			PN			SRD		Annex 3, point 9.1
264				3	K	Railway applications		Annex 3, point 9.5.1
265				3	K	Radio determination applications		Annex 3, point 9.7.1
266				3	K	Inductive applications		Annex 3, point 9.10.1
267	**2170-2173.5 kHz**							
268	MARITIME MOBILE	NJE	E	1	K	Narrowband direct-printing telegraph equipment, SSB radiotelephone coast stations and DSC	RR, Articles 51, 52	
269				1	K	Military inland waterway mobile systems		
270			PN			SRD		Annex 3, point 9.1
271				3	K	Railway applications		Annex 3, point 9.5.1
272				3	K	Radio determination applications		Annex 3, point 9.7.1
273				3	K	Inductive applications		Annex 3, point 9.10.1
274	**2173.5-2190.5 kHz**							
275	MOBILE (distress and calling)	5.108 5.109	E			GMDSS	RR, Chapter VII, Articles 51, 52 RR, Appendix 15	
276		5.110		1	K	International emergency distress frequency for narrowband direct-printing telegraph equipment on 2174.5 kHz		All other transmissions on the frequency are prohibited.
277				1	K	International emergency distress and calling frequency for radiotelephony operations for ships, aircraft and rescue ship stations on 2182 kHz	ICAO Annex 10, Volume V, Chapter 2	
278				1	K	International emergency distress frequency for DSC on 2187.5 kHz		
279		5.111	PN	1	K	Search and rescue operations of manned spacecraft on 2182 kHz	RR, Article 31 RR, Appendix 15 ICAO Annex 10, Volume V, Chapter 2	All other transmissions on the frequency are prohibited.
280			PN			SRD		Annex 3, point 9.1
281				3	K	Railway applications		Annex 3, point 9.5.1
282				3	K	Radio determination applications		Annex 3, point 9.7.1
283				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
284	**2190.5-2194 kHz**							
285	MARITIME MOBILE	NJE	E	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52	
286				1	K	Military inland waterway mobile systems		
287			PN			SRD		Annex 3, point 9.1
288				3	K	Railway applications		Annex 3, point 9.5.1
289				3	K	Radio determination applications		Annex 3, point 9.7.1
290				3	K	Inductive applications		Annex 3, point 9.10.1
291	**2194-2498 kHz**							
292	FIXED	5.103 NJE	N	1	K	Military fixed systems in the 2194-2342 kHz, 2345-2411 kHz and 2414-2498 kHz band	RR, subsections 24.1, 24.2	
293	MOBILE, except aeronautical mobile (R)	5.103 NJE	N	1	K	Single-frequency systems in the 2194-2342 kHz, 2345-2411 kHz and 2414-2498 kHz band		Annex 3, point 4.1
294				1	K	NVIS applications in the 2342-2345 kHz and 2411-2414 kHz band		The right of use for radio spectrum may be obtained for emergency, disaster and preparedness periods. Power: up to 100 W ERP
295				1	K	Military mobile systems in the 2194-2342 kHz, 2345-2411 kHz and 2414-2498 kHz band		Annex 3, point 4.1
296	AERONAUTICAL RADIO NAVIGATION (2194-2300 kHz)	5.92 RRE	N	1	K	Aeronautical radionavigation systems		
297			PN			SRD		Annex 3, point 9.1
298				3	K	Railway applications		Annex 3, point 9.5.1
299				3	K	Radio determination applications		Annex 3, point 9.7.1
300				3	K	Inductive applications		Annex 3, point 9.10.1
301	**2498-2502 kHz**							
302	AUTHENTIC FREQUENCY AND CLOCK SIGNAL (2500 kHz)		P	1	K	Authentic frequency and clock signal applications		
303	Space research (2501-2502 kHz)		P	2	T	Space research systems		
304			PN			SRD		Annex 3, point 9.1
305				3	K	Railway applications		Annex 3, point 9.5.1
306				3	K	Radio determination applications		Annex 3, point 9.7.1
307				3	K	Inductive applications		Annex 3, point 9.10.1
308	**2502-2625 kHz**							
309	FIXED	5.103 NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
310				1	K	Military fixed systems		
311	MOBILE, except aeronautical mobile (R)	5.103 NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1
312				1	K	Military mobile systems		
313	AERONAUTICAL RADIONAVIGATION	5.92 RRE	N	1	K	Aeronautical radionavigation systems		
314			PN			SRD		Annex 3, point 9.1
315				3	K	Railway applications		Annex 3, point 9.5.1
316				3	K	Radio determination applications		Annex 3, point 9.7.1
317				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
318	**2625-2650 kHz**							
319	MARITIME MOBILE	NJE	E	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52	
320				1	K	Military inland waterway mobile systems		
321	AERONAUTICAL RADIONAVIGATION	5.92 RRE	N	1	K	Aeronautical radionavigation systems		
322			PN			SRD		Annex 3, point 9.1
323				3	K	Railway applications		Annex 3, point 9.5.1
324				3	K	Radio determination applications		Annex 3, point 9.7.1
325				3	K	Inductive applications		Annex 3, point 9.10.1
326	**2650-2850 kHz**							
327	FIXED	5.103 NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
328				1	K	Military fixed systems		
329	MOBILE, except aeronautical mobile (R)	5.103 NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1
330				1	K	Military mobile systems		
331	AERONAUTICAL RADIONAVIGATION	5.92 RRE	N	1	K	Aeronautical radionavigation systems		
332			PN			SRD		Annex 3, point 9.1
333				3	K	Railway applications		Annex 3, point 9.5.1
334				3	K	Radio determination applications		Annex 3, point 9.7.1
335				3	K	Inductive applications		Annex 3, point 9.10.1
336	**2850-3025 kHz**							
337	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-land)	RR, Appendix 27 ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	Channel spacing: 3 kHz SSB modulation Search and rescue: on 3023 kHz
338				1	K	Military aeronautical mobile systems		
339		5.115	PN	1	K	GMDSS: Coordinated search and rescue operations on 3023 kHz	RR, Chapter VII, Articles 51, 52 RR, Appendix 15 ICAO Annex 10, Volume V, Chapter 2	It may also be used for data transmission between ship and aircraft.
340		5.111	PN	1	K	Search and rescue operations of manned spacecraft on 3023 kHz	RR, Article 31 RR, Appendix 15 ICAO Annex 10, Volume V, Chapter 2	
341			PN			SRD		Annex 3, point 9.1
342				3	K	Railway applications		Annex 3, point 9.5.1
343				3	K	Radio determination applications		Annex 3, point 9.7.1
344				3	K	Inductive applications		Annex 3, point 9.10.1
345	**3025-3155 kHz**							
346	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air)-air)	RR, Appendix 26 ICAO Annex 10, Volume III, Part II, Chapter 2 Official frequency list	Annex 3, point 4.3
347				1	K	Military aeronautical mobile systems		
348			PN			SRD		Annex 3, point 9.1
349				3	K	Railway applications		Annex 3, point 9.5.1
350				3	K	Radio determination applications		Annex 3, point 9.7.1
351				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
352	**3155-3200 kHz**							
353	FIXED	NJE	N	1	K	Military fixed systems	RR, subsections 24.1, 24.2	
354	MOBILE, except aeronautical mobile (R)	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1
355				1	K	Military mobile systems		
356		5.116	PN			SRD		Annex 3, point 9.1
357				3	K	Railway applications		Annex 3, point 9.5.1
358				3	K	Radio determination applications		Annex 3, point 9.7.1
359				3	K	Inductive applications		Annex 3, point 9.10.1
360				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.2
361	**3200-3230 kHz**							
362	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
363				1	K	Military fixed systems		
364	MOBILE, except aeronautical mobile (R)	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1
365				1	K	Military mobile systems		
366		5.116	PN			SRD		Annex 3, point 9.1
367				3	K	Railway applications		Annex 3, point 9.5.1
368				3	K	Radio determination applications		Annex 3, point 9.7.1
369				3	K	Inductive applications		Annex 3, point 9.10.1
370				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.2
371	**3230-3400 kHz**							
372	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
373				1	K	Military fixed systems		
374	MOBILE, except aeronautical mobile	NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 3, point 4.2
375		5.116	PN			SRD		Annex 3, point 9.1
376				3	K	Railway applications		Annex 3, point 9.5.1
377				3	K	Radio determination applications		Annex 3, point 9.7.1
378				3	K	Inductive applications		Annex 3, point 9.10.1
379				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.2
380	**3400-3500 kHz**							
381	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-ground)	RR, Appendix 27 ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	Channel spacing: 3 kHz SSB modulation
382				1	K	Military aeronautical mobile systems		
383			PN			SRD		Annex 3, point 9.1
384				3	K	Railway applications		Annex 3, point 9.5.1
385				3	K	Radio determination applications		Annex 3, point 9.7.1
386				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
387	**3500-3800 kHz**							
388	AMATEUR		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
389	FIXED	NJE	N	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	
390				1	K	Military fixed systems		
391	MOBILE, except aeronautical mobile	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
392				1	K	Military mobile systems		
393	AERONAUTICAL RADIONAVIGA-TION	5.92 RRE	N	1	K	Aeronautical radionavigation systems		
394			PN			SRD		Annex 3, point 9.1
395				3	K	Railway applications		Annex 3, point 9.5.1
396				3	K	Radio determination applications		Annex 3, point 9.7.1
397				3	K	Inductive applications		Annex 3, point 9.10.1
398	**3800-3900 kHz**							
399	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
400				1	K	Military fixed systems		
401	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	ICAO Annex 10, Volume III, Part II, Chapter 2	Annex 3, point 4.3
402				1	K	Military aeronautical mobile systems		
403	LAND MOBILE	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
404				1	K	Military mobile systems		
405			PN			SRD		Annex 3, point 9.1
406				3	K	Railway applications		Annex 3, point 9.5.1
407				3	K	Radio determination applications		Annex 3, point 9.7.1
408				3	K	Inductive applications		Annex 3, point 9.10.1
409	**3900-3950 kHz**							
410	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	RR, Appendix 26 ICAO Annex 10, Volume III, Part II, Chapter 2	Annex 3, point 4.3
411				1	K	Military aeronautical mobile systems	Official frequency list	
412			PN			SRD		Annex 3, point 9.1
413				3	K	Railway applications		Annex 3, point 9.5.1
414				3	K	Radio determination applications		Annex 3, point 9.7.1
415				3	K	Inductive applications		Annex 3, point 9.10.1
416	**3950-4000 kHz**							
417	BROADCASTING		P			Terrestrial radio broadcasting	T/R 51-01	Only electronic communications services may be pro-vided in the band.
418				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
419				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
420			PN			SRD		Annex 3, point 9.1
421				3	K	Railway applications		Annex 3, point 9.5.1
422				3	K	Radio determination applications		Annex 3, point 9.7.1
423				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
424	**4000-4063 kHz**							
425	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
426				1	K	Military fixed systems		
427	MARITIME MOBILE	5.127	P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
428			PN			SRD		Annex 3, point 9.1
429				3	K	Railway applications		Annex 3, point 9.5.1
430				3	K	Radio determination applications		Annex 3, point 9.7.1
431				3	K	Inductive applications		Annex 3, point 9.10.1
432	**4063-4438 kHz**							
433	MARITIME MOBILE	5.79A 5.109	P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
434		5.110 5.130				GMDSS	RR, Chapter VII, Articles 51, 52 RR, Appendix 15	
435		5.131 5.132		1	K	Special carrier frequency for radiotelephony operation on 4125 kHz	ICAO Annex 10, Volume V, Chapter 2	All other transmissions on the frequency are prohibited.
436				1	K	International emergency distress frequency for narrowband direct-printing equipment on 4177.5 kHz		
437				1	K	International emergency distress frequency for DSC on 4207.5 kHz		
438				1	K	Send MSI via NAVTEX on 4209.5 kHz	MSZ EN 300 065	
439				1	K	MSI on frequency 4210 kHz		
440			PN			SRD		Annex 3, point 9.1
441				3	K	Railway applications		Annex 3, point 9.5.1
442				3	K	Radio determination applications		Annex 3, point 9.7.1
443				3	K	Inductive applications		Annex 3, point 9.10.1
444	**4438-4650 kHz**							
445	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
446				1	K	Military fixed systems		
447	MOBILE, except aeronautical mobile (R)	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1
448				1	K	Military mobile systems		
449			PN			SRD		Annex 3, point 9.1
450				3	K	Railway applications		Annex 3, point 9.5.1
451				3	K	Radio determination applications		Annex 3, point 9.7.1
452				3	K	Inductive applications		Annex 3, point 9.10.1
453	**4650-4700 kHz**							
454	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-ground)	RR, Appendix 27	Channel spacing: 3 kHz
455				1	K	Military aeronautical mobile systems	ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	SSB modulation
456			PN			SRD		Annex 3, point 9.1
457				3	K	Railway applications		Annex 3, point 9.5.1
458				3	K	Radio determination applications		Annex 3, point 9.7.1
459				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
460	**4700-4750 kHz**							
461	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	RR, Appendix 26 ICAO Annex 10, Volume III, Part II, Chapter 2	Annex 3, point 4.3
462				1	K	Military aeronautical mobile systems	Official frequency list	
463			PN			SRD		Annex 3, point 9.1
464				3	K	Railway applications		Annex 3, point 9.5.1
465				3	K	Radio determination applications		Annex 3, point 9.7.1
466				3	K	Inductive applications		Annex 3, point 9.10.1
467	**4750-4995 kHz**							
468	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
469				1	K	Military fixed systems		
470	AERONAUTICAL MOBILE (OR) (4750-4850 kHz)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	ICAO Annex 10, Volume III, Part II, Chapter 2	Annex 3, point 4.3
471				1	K	Military aeronautical mobile systems		
472	LAND MOBILE	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
473				1	K	Military mobile systems		
474			PN			SRD		Annex 3, point 9.1
475				3	K	Railway applications		Annex 3, point 9.5.1
476				3	K	Radio determination applications		Annex 3, point 9.7.1
477				3	K	Inductive applications		Annex 3, point 9.10.1
478	**4995-5005 kHz**							
479	AUTHENTIC FREQUENCY AND CLOCK SIGNAL (5000 kHz)		P	1	K	Authentic frequency and clock signal applications		
480	Space research (5003-5005 kHz)		P	2	T	Space research systems		
481			PN			SRD		Annex 3, point 9.1
482				3	K	Railway applications		Annex 3, point 9.5.1
483				3	K	Radio determination applications		Annex 3, point 9.7.1
484				3	K	Inductive applications		Annex 3, point 9.10.1
485	**5005-5212 kHz**							
486	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
487				1	K	Military fixed systems		
488	Mobile, except aeronautical mobile (5060-5212 kHz)	NJE	N	2	K	Single-frequency systems		Annex 3, point 4.2
489				2	K	Military mobile systems		
490			PN			SRD		Annex 3, point 9.1
491				3	K	Railway applications		Annex 3, point 9.5.1
492				3	K	Radio determination applications		Annex 3, point 9.7.1
493				3	K	Inductive applications		Annex 3, point 9.10.1
494	**5212-5215 kHz**							
495	MOBILE, except aeronautical mobile	RRE	N	1	K	NVIS applications		The right of use for the radio spectrum may be obtained for emergency, disaster and preparedness periods. Power: up to 100 W ERP
496			PN			SRD		Annex 3, point 9.1
497				3	K	Railway applications		Annex 3, point 9.5.1
498				3	K	Radio determination applications		Annex 3, point 9.7.1
499				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
500	**5215-5250 kHz**							
501	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
502				1	K	Military fixed systems		
503	Mobile, except aeronautical mobile	NJE	N	2	K	Single-frequency systems		Annex 3, point 4.2
504				2	K	Military mobile systems		
505			PN			SRD		Annex 3, point 9.1
506				3	K	Railway applications		Annex 3, point 9.5.1
507				3	K	Radio determination applications		Annex 3, point 9.7.1
508				3	K	Inductive applications		Annex 3, point 9.10.1
509	**5250-5450 kHz**							
510	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems in the 5250-5318 kHz and 5321-5450 kHz bands	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
511				1	K	Military fixed systems in the 5250-5318 kHz and 5321-5450 kHz band		
512	MOBILE, except aeronautical mobile	NJE	N	1	K	Military mobile systems in the 5250-5318 kHz and 5321-5450 kHz band		Annex 3, point 4.1 Annex 3, point 4.2
513				1	K	NVIS applications in the 5318-5321 kHz band		The right of use for the radio spectrum may be obtained for emergency, disaster and preparedness periods. Power: up to 100 W ERP
514	Amateur (5351.5-5366.5 kHz)	5.133B	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
515			PN			SRD		Annex 3, point 9.1
516				3	K	Railway applications		Annex 3, point 9.5.1
517				3	K	Radio determination applications		Annex 3, point 9.7.1
518				3	K	Inductive applications		Annex 3, point 9.10.1
519	**5450-5480 kHz**							
520	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
521				1	K	Military fixed systems		
522	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	ICAO Annex 10, Volume III, Part II, Chapter 2	Annex 3, point 4.3
523				1	K	Military aeronautical mobile systems		
524	LAND MOBILE	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
525				1	K	Military mobile systems		
526			PN			SRD		Annex 3, point 9.1
527				3	K	Railway applications		Annex 3, point 9.5.1
528				3	K	Radio determination applications		Annex 3, point 9.7.1
529				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
530	**5480-5680 kHz**							
531	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-ground)	RR, Appendix 27	Channel spacing: 3 kHz
532				1	K	Military aeronautical mobile systems	ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	SSB modulation Search and rescue: on 5680 kHz
533		5.115	PN	1	K	GMDSS: Coordinated search and rescue operations on 5680 kHz	RR, Chapter VII, Articles 51, 52 RR, Appendix 15 ICAO Annex 10, Volume V, Chapter 2	It may also be used for data transmission between ship and aircraft.
534		5.111	PN	1	K	Search and rescue operations of manned spacecraft on 5680 kHz	RR, Article 31 RR, Appendix 15 ICAO Annex 10, Volume V, Chapter 2	
535			PN			SRD		Annex 3, point 9.1
536				3	K	Railway applications		Annex 3, point 9.5.1
537				3	K	Radio determination applications		Annex 3, point 9.7.1
538				3	K	Inductive applications		Annex 3, point 9.10.1
539	**5680-5730 kHz**							
540	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	RR, Appendix 26 ICAO Annex 10, Volume III, Part II, Chapter 2	Annex 3, point 4.3
541				1	K	Military aeronautical mobile systems	Official frequency list	
542		5.115	PN	1	K	GMDSS: Coordinated search and rescue operations on 5680 kHz	RR, Chapter VII, Articles 51, 52 RR, Appendix 15 ICAO Annex 10, Volume V, Chapter 2	It may also be used for data transmission between ship and aircraft.
543		5.111	PN	1	K	Search and rescue operations of manned spacecraft on 5680 kHz	RR, Article 31 RR, Appendix 15 ICAO Annex 10, Volume V, Chapter 2	
544			PN			SRD		Annex 3, point 9.1
545				3	K	Railway applications		Annex 3, point 9.5.1
546				3	K	Radio determination applications		Annex 3, point 9.7.1
547				3	K	Inductive applications		Annex 3, point 9.10.1
548	**5730-5900 kHz**							
549	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
550				1	K	Military fixed systems		
551	LAND MOBILE	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
552				1	K	Military mobile systems		
553			PN			SRD		Annex 3, point 9.1
554				3	K	Railway applications		Annex 3, point 9.5.1
555				3	K	Radio determination applications		Annex 3, point 9.7.1
556				3	K	Inductive applications		Annex 3, point 9.10.1
557	**5900-6200 kHz**							
558	BROADCASTING	5.134	P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
559				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
560				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
561			PN			SRD		Annex 3, point 9.1
562				3	K	Railway applications		Annex 3, point 9.5.1
563				3	K	Radio determination applications		Annex 3, point 9.7.1
564				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
565	**6200-6525 kHz**							
566	MARITIME MOBILE	5.109 5.110	P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
567		5.130 5.132				GMDSS	RR, Chapter VII, Articles 51, 52 RR, Appendix 15	
568				1	K	Special carrier frequency for radiotelephony operation on 6215 kHz		All other transmissions on the frequency are prohibited.
569				1	K	International emergency distress frequency for narrowband direct-printing telegraph equipment on 6268 kHz		
570				1	K	International emergency distress frequency for DSC on 6312 kHz		
571				1	K	MSI on the frequency 6314 kHz		
572			PN			SRD		Annex 3, point 9.1
573				3	K	Railway applications		Annex 3, point 9.5.1
574				3	K	Radio determination applications		Annex 3, point 9.7.1
575				3	K	Inductive applications		Annex 3, point 9.10.1
576	**6525-6685 kHz**							
577	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-ground)	RR, Appendix 27 ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	Channel spacing: 3 kHz SSB modulation
578				1	K	Military aeronautical mobile systems		
579			PN			SRD		Annex 3, point 9.1
580				3	K	Railway applications		Annex 3, point 9.5.1
581				3	K	Radio determination applications		Annex 3, point 9.7.1
582				3	K	Inductive applications		Annex 3, point 9.10.1
583	**6685-6765 kHz**							
584	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	RR, Appendix 26 ICAO Annex 10, Volume III, Part II, Chapter 2 Official frequency list	Annex 3, point 4.3
585				1	K	Military aeronautical mobile systems		
586			PN			SRD		Annex 3, point 9.1
587				3	K	Railway applications		Annex 3, point 9.5.1
588				3	K	Radio determination applications		Annex 3, point 9.7.1
589				3	K	Inductive applications		Annex 3, point 9.10.1
590	**6765-7000 kHz**							
591	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
592				1	K	Military fixed systems		
593	MOBILE, except aeronautical mobile (R)	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1
594				1	K	Military mobile systems		
595			PN			SRD		Annex 3, point 9.1
596				3	K	Railway applications		Annex 3, point 9.5.1
597				3	K	Radio determination applications		Annex 3, point 9.7.1
598				3	K	Inductive applications		Annex 3, point 9.10.1
599		5.138	PN	-	Ü	ISM applications in the 6765-6795 kHz band		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
600	**7000-7200 kHz**							
601	AMATEUR		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
602	AMATEUR SATELLITE (7000-7100 kHz)		P	1	K	Amateur radio satellite		
603			PN			SRD		Annex 3, point 9.1
604				3	K	Railway applications		Annex 3, point 9.5.1
605				3	K	Radio determination applications		Annex 3, point 9.7.1
606				3	K	Inductive applications		Annex 3, point 9.10.1
607	**7200-7300 kHz**							
608	BROADCASTING		P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
609				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
610				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
611			PN			SRD		Annex 3, point 9.1
612				3	K	Railway applications		Annex 3, point 9.5.1
613				3	K	Radio determination applications		Annex 3, point 9.7.1
614				3	K	Inductive applications		Annex 3, point 9.10.1
615	**7300-7350 kHz**							
616	BROADCASTING	5.134	P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
617				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
618				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
619			PN			SRD		Annex 3, point 9.1
620				3	K	Railway applications		Annex 3, point 9.5.1
621				3	K	Radio determination applications		Annex 3, point 9.7.1
622				3	K	Inductive applications		Annex 3, point 9.10.1
623	**7350-7450 kHz**							
624	BROADCASTING		P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band. If the planned broadcast concerns a country where, according to RR, there is a primary service in the band other than broadcasting service, the frequency assignment shall be subject to successful international coordination of the planned use of the radio spectrum.
625				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
626				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
627			PN			SRD		Annex 3, point 9.1
628				3	K	Railway applications		Annex 3, point 9.5.1
629				3	K	Radio determination applications		Annex 3, point 9.7.1
630				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
631	**7450-8100 kHz**							
632	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
633				1	K	Military fixed systems		
634	MOBILE, except aeronautical mobile (R)	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.2
635				1	K	Military mobile systems		
636			PN			SRD		Annex 3, point 9.1
637				3	K	Railway applications		Annex 3, point 9.5.1
638				3	K	Radio determination applications		Annex 3, point 9.7.1
639				3	K	Inductive applications		Annex 3, point 9.10.1
640	**8100-8195 kHz**							
641	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
642				1	K	Military fixed systems		
643	MARITIME MOBILE	NJE	E	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
644				1	K	Military inland waterway mobile systems		
645			PN			SRD		Annex 3, point 9.1
646				3	K	Railway applications		Annex 3, point 9.5.1
647				3	K	Radio determination applications		Annex 3, point 9.7.1
648				3	K	Inductive applications		Annex 3, point 9.10.1
649	**8195-8815 kHz**							
650	MARITIME MOBILE	5.109 5.110	P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
651		5.132 5.145				GMDSS	RR, Chapter VII, Articles 51, 52 RR, Appendix 15	
652				1	K	Special carrier frequency for radiotelephony operation on 8291 kHz		All other transmissions on the frequency are prohibited.
653				1	K	International emergency distress frequency for narrowband direct-printing telegraph equipment on 8376.5 kHz		
654				1	K	International emergency distress frequency for DSC on 8414.5 kHz		
655				1	K	MSI on the frequency 8416.5 kHz		
656		5.111	PN	1	K	Search and rescue operations of manned spacecraft on 8364 kHz	RR, Article 31 ICAO Annex 10, Volume V, Chapter 2	
657			PN			SRD		Annex 3, point 9.1
658				3	K	Railway applications		Annex 3, point 9.5.1
659				3	K	Radio determination applications		Annex 3, point 9.7.1
660				3	K	Inductive applications		Annex 3, point 9.10.1
661	**8815-8965 kHz**							
662	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-ground)	RR, Appendix 27 ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	Channel spacing: 3 kHz SSB modulation
663				1	K	Military aeronautical mobile systems		
664			PN			SRD		Annex 3, point 9.1
665				3	K	Railway applications		Annex 3, point 9.5.1
666				3	K	Radio determination applications		Annex 3, point 9.7.1
667				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2						**Application**	**Document**	**Additional rules**
668	**8965-9040 kHz**							
669	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	RR, Appendix 26 ICAO Annex 10, Volume III, Part II, Chapter 2 Official frequency list	Annex 3, point 4.3
670				1	K	Military aeronautical mobile systems		
671			PN			SRD		Annex 3, point 9.1
672				3	K	Railway applications		Annex 3, point 9.5.1
673				3	K	Radio determination applications		Annex 3, point 9.7.1
674				3	K	Inductive applications		Annex 3, point 9.10.1
675	**9040-9400 kHz**							
676	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
677				1	K	Military fixed systems		
678			PN			SRD		Annex 3, point 9.1
679				3	K	Railway applications		Annex 3, point 9.5.1
680				3	K	Radio determination applications		Annex 3, point 9.7.1
681				3	K	Inductive applications		Annex 3, point 9.10.1
682	**9400-9500 kHz**							
683	BROADCASTING	5.134	P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
684				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
685				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
686			PN			SRD		Annex 3, point 9.1
687				3	K	Railway applications		Annex 3, point 9.5.1
688				3	K	Radio determination applications		Annex 3, point 9.7.1
689				3	K	Inductive applications		Annex 3, point 9.10.1
690	**9500-9900 kHz**							
691	BROADCASTING		P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
692				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
693				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
694			PN			SRD		Annex 3, point 9.1
695				3	K	Railway applications		Annex 3, point 9.5.1
696				3	K	Radio determination applications		Annex 3, point 9.7.1
697				3	K	Inductive applications		Annex 3, point 9.10.1
698	**9900-9995 kHz**							
699	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
700				1	K	Military fixed systems		
701			PN			SRD		Annex 3, point 9.1
702				3	K	Railway applications		Annex 3, point 9.5.1
703				3	K	Radio determination applications		Annex 3, point 9.7.1
704				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
705	**9995-10 005 kHz**							
706	AUTHENTIC FREQUENCY AND CLOCK SIGNAL (10 000 kHz)		P	1	K	Authentic frequency and clock signal applications		
707	Space research (10 003-10 005 kHz)		P	2	T	Space research systems		
708		5.111	PN	1	K	Search and rescue operations of manned spacecraft in the 10 000-10 005 kHz band	RR, Article 31	Carrier frequency: 10 003 kHz Bandwidth: ±3 kHz
709			PN			SRD		Annex 3, point 9.1
710				3	K	Railway applications		Annex 3, point 9.5.1
711				3	K	Radio determination applications		Annex 3, point 9.7.1
712				3	K	Inductive applications		Annex 3, point 9.10.1
713	**10 005-10 100 kHz**							
714	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-ground)	RR, Appendix 27 ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	Channel spacing: 3 kHz SSB modulation
715				1	K	Military aeronautical mobile systems		
716		5.111	PN	1	K	Search and rescue operations of manned spacecraft in the 10 005-10 006 kHz band	RR, Article 31	Carrier frequency: 10 003 kHz Bandwidth: ±3 kHz
717			PN			SRD		Annex 3, point 9.1
718				3	K	Railway applications		Annex 3, point 9.5.1
719				3	K	Radio determination applications		Annex 3, point 9.7.1
720				3	K	Inductive applications		Annex 3, point 9.10.1
721	**10 100-10 150 kHz**							
722	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
723				1	K	Military fixed systems		
724	Amateur		P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
725			PN			SRD		Annex 3, point 9.1
726				3	K	Railway applications		Annex 3, point 9.5.1
727				3	K	Radio determination applications		Annex 3, point 9.7.1
728				3	K	Inductive applications		Annex 3, point 9.10.1
729	**10 150-11 175 kHz**							
730	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
731				1	K	Military fixed systems		
732	Mobile, except aeronautical mobile (R)	NJE	N	2	K	Single-frequency systems		Annex 3, point 4.2
733				2	K	Military mobile systems		
734			PN			SRD		Annex 3, point 9.1
735				3	K	Railway applications		Annex 3, point 9.5.1
736				3	K	Radio determination applications		Annex 3, point 9.7.1
737				3	K	Inductive applications		Annex 3, point 9.10.1
738	**11 175-11 275 kHz**							
739	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	RR, Appendix 26 ICAO Annex 10, Volume III, Part II, Chapter 2 Official frequency list	Annex 3, point 4.3
740				1	K	Military aeronautical mobile systems		
741			PN			SRD		Annex 3, point 9.1
742				3	K	Railway applications		Annex 3, point 9.5.1
743				3	K	Radio determination applications		Annex 3, point 9.7.1
744				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2						**Application**	**Document**	**Additional rules**
745	**11 275-11 400 kHz**							
746	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-ground)	RR, Appendix 27 ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	Channel spacing: 3 kHz SSB modulation
747				1	K	Military aeronautical mobile systems		
748			PN			SRD		Annex 3, point 9.1
749				3	K	Railway applications		Annex 3, point 9.5.1
750				3	K	Radio determination applications		Annex 3, point 9.7.1
751				3	K	Inductive applications		Annex 3, point 9.10.1
752	**11 400-11 600 kHz**							
753	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
754				1	K	Military fixed systems		
755			PN			SRD		Annex 3, point 9.1
756				3	K	Railway applications		Annex 3, point 9.5.1
757				3	K	Radio determination applications		Annex 3, point 9.7.1
758				3	K	Inductive applications		Annex 3, point 9.10.1
759	**11 600-12 100 kHz**							
760	BROADCASTING	5.134	P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
761				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
762				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
763			PN			SRD		Annex 3, point 9.1
764				3	K	Railway applications		Annex 3, point 9.5.1
765				3	K	Radio determination applications		Annex 3, point 9.7.1
766				3	K	Inductive applications		Annex 3, point 9.10.1
767	**12 100-12 230 kHz**							
768	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
769				1	K	Military fixed systems		
770			PN			SRD		Annex 3, point 9.1
771				3	K	Railway applications		Annex 3, point 9.5.1
772				3	K	Radio determination applications		Annex 3, point 9.7.1
773				3	K	Inductive applications		Annex 3, point 9.10.1
774	**12 230-13 200 kHz**							
775	MARITIME MOBILE	5.109 5.110 5.132 5.145	P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
776						GMDSS	RR, Chapter VII, Articles 51, 52 RR, Appendix 15	
777				1	K	Special carrier frequency for radiotelephony operation on 12 290 kHz		All other transmissions on the frequency are prohibited.
778				1	K	International emergency distress frequency for narrowband direct-printing telegraph equipment on 12 520 kHz		
779				1	K	International emergency distress frequency for DSC on 12 577 kHz		
780				1	K	MSI on the frequency 12 579 kHz		
781			PN			SRD		Annex 3, point 9.1
782				3	K	Railway applications		Annex 3, point 9.5.1
783				3	K	Radio determination applications		Annex 3, point 9.7.1
784				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
785	**13 200-13 260 kHz**							
786	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	RR, Appendix 26 ICAO Annex 10, Volume III, Part II, Chapter 2	Annex 3, point 4.3
787				1	K	Military aeronautical mobile systems	Official frequency list	
788			PN			SRD		Annex 3, point 9.1
789				3	K	Railway applications		Annex 3, point 9.5.1
790				3	K	Radio determination applications		Annex 3, point 9.7.1
791				3	K	Inductive applications		Annex 3, point 9.10.1
792	**13 260-13 360 kHz**							
793	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-ground)	RR, Appendix 27 ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	Channel spacing: 3 kHz SSB modulation
794				1	K	Military aeronautical mobile systems		
795			PN			SRD		Annex 3, point 9.1
796				3	K	Railway applications		Annex 3, point 9.5.1
797				3	K	Radio determination applications		Annex 3, point 9.7.1
798				3	K	Inductive applications		Annex 3, point 9.10.1
799	**13 360-13 410 kHz**							
800	FIXED	5.149	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
801		NJE		1	K	Military fixed systems		
802	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
803			PN			SRD		Annex 3, point 9.1
804				3	K	Railway applications		Annex 3, point 9.5.1
805				3	K	Radio determination applications		Annex 3, point 9.7.1
806				3	K	Inductive applications		Annex 3, point 9.10.1
807	**13 410-13 570 kHz**							
808	FIXED	5.150	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
809		NJE		1	K	Military fixed systems		
810	Mobile, except aeronautical mobile (R)	5.150	N	2	K	Single-frequency systems		Annex 3, point 4.2
811		NJE		2	K	Military mobile systems		
812			PN			SRD		Annex 3, point 9.1
813				3	K	Non-specific applications in the 13 553-13 567 kHz band		Annex 3, point 9.2.1
814				3	K	Railway applications		Annex 3, point 9.5.1
815				3	K	Radio determination applications		Annex 3, point 9.7.1
816				3	K	Inductive applications		Annex 3, point 9.10.1
817				3	K	RFID applications in the 13 553-13 567 kHz band		Annex 3, point 9.12.1
818		5.150	PN	-	Ü	ISM applications in the 13 553-13 567 kHz band		
819	**13 570-13 870 kHz**							
820	BROADCASTING	5.134	P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
821				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
822				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
823			PN			SRD		Annex 3, point 9.1
824				3	K	Railway applications		Annex 3, point 9.5.1
825				3	K	Radio determination applications		Annex 3, point 9.7.1
826				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
827	**13 870-14 000 kHz**							
828	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
829				1	K	Military fixed systems		
830	Mobile, except aeronautical mobile (R)	NJE	N	2	K	Single-frequency systems		Annex 3, point 4.2
831				2	K	Military mobile systems		
832			PN			SRD		Annex 3, point 9.1
833				3	K	Railway applications		Annex 3, point 9.5.1
834				3	K	Radio determination applications		Annex 3, point 9.7.1
835				3	K	Inductive applications		Annex 3, point 9.10.1
836	**14 000-14 350 kHz**							
837	AMATEUR		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
838	AMATEUR SATELLITE (14 000-14 250 kHz)		P	1	K	Amateur radio satellite		
839			PN			SRD		Annex 3, point 9.1
840				3	K	Railway applications		Annex 3, point 9.5.1
841				3	K	Radio determination applications		Annex 3, point 9.7.1
842				3	K	Inductive applications		Annex 3, point 9.10.1
843	**14 350-14 990 kHz**							
844	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
845				1	K	Military fixed systems		
846	Mobile, except aeronautical mobile (R)	NJE	N	2	K	Single-frequency systems		Annex 3, point 4.2
847				2	K	Military mobile systems		
848			PN			SRD		Annex 3, point 9.1
849				3	K	Railway applications		Annex 3, point 9.5.1
850				3	K	Radio determination applications		Annex 3, point 9.7.1
851				3	K	Inductive applications		Annex 3, point 9.10.1
852	**14 990-15 010 kHz**							
853	AUTHENTIC FREQUENCY AND CLOCK SIGNAL (15 000 kHz)		P	1	K	Authentic frequency and clock signal applications		
854	Space research (15 005-15 010 kHz)		P	2	T	Space research systems		
855		5.111	PN	1	K	Search and rescue operations of manned spacecraft in the 14 990-14 996 kHz band	RR, Article 31	Carrier frequency: 14 993 kHz Bandwidth: ±3 kHz
856			PN			SRD		Annex 3, point 9.1
857				3	K	Railway applications		Annex 3, point 9.5.1
858				3	K	Radio determination applications		Annex 3, point 9.7.1
859				3	K	Inductive applications		Annex 3, point 9.10.1
860	**15 010-15 100 kHz**							
861	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	RR, Appendix 26 ICAO Annex 10, Volume III, Part II, Chapter 2	Annex 3, point 4.3
862				1	K	Military aeronautical mobile systems	Official frequency list	
863			PN			SRD		Annex 3, point 9.1
864				3	K	Railway applications		Annex 3, point 9.5.1
865				3	K	Radio determination applications		Annex 3, point 9.7.1
866				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2						**Application**	**Document**	**Additional rules**
867	**15 100-15 800 kHz**							
868	BROADCASTING		P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
869				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
870				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
871			PN			SRD		Annex 3, point 9.1
872				3	K	Railway applications		Annex 3, point 9.5.1
873				3	K	Radio determination applications		Annex 3, point 9.7.1
874				3	K	Inductive applications		Annex 3, point 9.10.1
875	**15 800-16 360 kHz**							
876	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
877				1	K	Military fixed systems		
878			PN			SRD		Annex 3, point 9.1
879				3	K	Railway applications		Annex 3, point 9.5.1
880				3	K	Radio determination applications		Annex 3, point 9.7.1
881				3	K	Inductive applications		Annex 3, point 9.10.1
882	**16 360-17 410 kHz**							
883	MARITIME MOBILE	5.109 5.110 5.132 5.145	P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
884						GMDSS	RR, Chapter VII, Articles 51, 52 RR, Appendix 15	
885				1	K	Special carrier frequency for radiotelephony operation on 16 420 kHz		All other transmissions on the frequency are prohibited.
886				1	K	International emergency distress frequency for narrowband direct-printing telegraph equipment on 16 695 kHz		
887				1	K	International emergency distress frequency for DSC on 16 804.5 kHz		
888				1	K	MSI on the frequency 16 806.5 kHz		
889			PN			SRD		Annex 3, point 9.1
890				3	K	Railway applications		Annex 3, point 9.5.1
891				3	K	Radio determination applications		Annex 3, point 9.7.1
892				3	K	Inductive applications		Annex 3, point 9.10.1
893	**17 410-17 480 kHz**							
894	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
895				1	K	Military fixed systems		
896			PN			SRD		Annex 3, point 9.1
897				3	K	Railway applications		Annex 3, point 9.5.1
898				3	K	Radio determination applications		Annex 3, point 9.7.1
899				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2						**Application**	**Document**	**Additional rules**
900	**17 480-17 900 kHz**							
901	BROADCASTING	5.134	P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
902				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
903				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
904			PN			SRD		Annex 3, point 9.1
905				3	K	Railway applications		Annex 3, point 9.5.1
906				3	K	Radio determination applications		Annex 3, point 9.7.1
907				3	K	Inductive applications		Annex 3, point 9.10.1
908	**17 900-17 970 kHz**							
909	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-ground)	RR, Appendix 27 ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	Channel spacing: 3 kHz SSB modulation
910				1	K	Military aeronautical mobile systems		
911			PN			SRD		Annex 3, point 9.1
912				3	K	Railway applications		Annex 3, point 9.5.1
913				3	K	Radio determination applications		Annex 3, point 9.7.1
914				3	K	Inductive applications		Annex 3, point 9.10.1
915	**17 970-18 030 kHz**							
916	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Long-distance speech and data transmission systems (air-ground-air) (air-air)	RR, Appendix 26 ICAO Annex 10, Volume III, Part II, Chapter 2 Official frequency list	Annex 3, point 4.3
917				1	K	Military aeronautical mobile systems		
918			PN			SRD		Annex 3, point 9.1
919				3	K	Railway applications		Annex 3, point 9.5.1
920				3	K	Radio determination applications		Annex 3, point 9.7.1
921				3	K	Inductive applications		Annex 3, point 9.10.1
922	**18 030-18 068 kHz**							
923	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
924				1	K	Military fixed systems		
925	Space research (18 052-18 068 kHz)		P	2	T	Space research systems		
926			PN			SRD		Annex 3, point 9.1
927				3	K	Railway applications		Annex 3, point 9.5.1
928				3	K	Radio determination applications		Annex 3, point 9.7.1
929				3	K	Inductive applications		Annex 3, point 9.10.1
930	**18 068-18 168 kHz**							
931	AMATEUR		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
932	AMATEUR SATELLITE		P	1	K	Amateur radio satellite		
933			PN			SRD		Annex 3, point 9.1
934				3	K	Railway applications		Annex 3, point 9.5.1
935				3	K	Radio determination applications		Annex 3, point 9.7.1
936				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
937	**18 168-18 780 kHz**							
938	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
939				1	K	Military fixed systems		
940	Mobile, except aeronautical mobile	NJE	N	2	K	Single-frequency systems		Annex 3, point 4.2
941				2	K	Military mobile systems		
942			PN			SRD		Annex 3, point 9.1
943				3	K	Railway applications		Annex 3, point 9.5.1
944				3	K	Radio determination applications		Annex 3, point 9.7.1
945				3	K	Inductive applications		Annex 3, point 9.10.1
946	**18 780-18 900 kHz**							
947	MARITIME MOBILE		P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone shore stations	RR, Articles 51, 52 RR, Appendix 17	
948			PN			SRD		Annex 3, point 9.1
949				3	K	Railway applications		Annex 3, point 9.5.1
950				3	K	Radio determination applications		Annex 3, point 9.7.1
951				3	K	Inductive applications		Annex 3, point 9.10.1
952	**18 900-19 020 kHz**							
953	BROADCASTING	5.134	P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
954				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
955				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
956			PN			SRD		Annex 3, point 9.1
957				3	K	Railway applications		Annex 3, point 9.5.1
958				3	K	Radio determination applications		Annex 3, point 9.7.1
959				3	K	Inductive applications		Annex 3, point 9.10.1
960	**19 020-19 680 kHz**							
961	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
962				1	K	Military fixed systems		
963			PN			SRD		Annex 3, point 9.1
964				3	K	Railway applications		Annex 3, point 9.5.1
965				3	K	Radio determination applications		Annex 3, point 9.7.1
966				3	K	Inductive applications		Annex 3, point 9.10.1
967	**19 680-19 800 kHz**							
968	MARITIME MOBILE	5.132	P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
969				1	K	GMDSS: MSI on the frequency 19 680.5 kHz	RR, Chapter VII, Articles 51, 52 RR, Appendix 15	
970			PN			SRD		Annex 3, point 9.1
971				3	K	Railway applications		Annex 3, point 9.5.1
972				3	K	Radio determination applications		Annex 3, point 9.7.1
973				3	K	Inductive applications		Annex 3, point 9.10.1
974	**19 800-19 990 kHz**							
975	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
976				1	K	Military fixed systems		
977			PN			SRD		Annex 3, point 9.1
978				3	K	Railway applications		Annex 3, point 9.5.1
979				3	K	Radio determination applications		Annex 3, point 9.7.1
980				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
981	**19 990-20 010 kHz**							
982	AUTHENTIC FREQUENCY AND CLOCK SIGNAL (20 000 kHz)		P	1	K	Authentic frequency and clock signal applications		
983	Space research (19 990-19 995 kHz)		P	2	T	Space research systems		
984		5.111	PN	1	K	Search and rescue operations of manned spacecraft in the 19 990-19 996 kHz band	RR, Article 31	Carrier frequency: 19 993 kHz Bandwidth: ±3 kHz
985			PN			SRD		Annex 3, point 9.1
986				3	K	Railway applications		Annex 3, point 9.5.1
987				3	K	Radio determination applications		Annex 3, point 9.7.1
988				3	K	Inductive applications		Annex 3, point 9.10.1
989	**20 010-21 000 kHz**							
990	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
991				1	K	Military fixed systems		
992	Mobile	NJE	N	2	K	Single-frequency systems		Annex 3, point 4.2
993				2	K	Military mobile systems		
994			PN			SRD		Annex 3, point 9.1
995				3	K	Railway applications		Annex 3, point 9.5.1
996				3	K	Radio determination applications		Annex 3, point 9.7.1
997				3	K	Inductive applications		Annex 3, point 9.10.1
998	**21 000-21 450 kHz**							
999	AMATEUR		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
1000	AMATEUR SATELLITE		P	1	K	Amateur radio satellite		
1001			PN			SRD		Annex 3, point 9.1
1002				3	K	Railway applications		Annex 3, point 9.5.1
1003				3	K	Radio determination applications		Annex 3, point 9.7.1
1004				3	K	Inductive applications		Annex 3, point 9.10.1
1005	**21 450-21 850 kHz**							
1006	BROADCASTING		P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
1007				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
1008				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
1009			PN			SRD		Annex 3, point 9.1
1010				3	K	Railway applications		Annex 3, point 9.5.1
1011				3	K	Radio determination applications		Annex 3, point 9.7.1
1012				3	K	Inductive applications		Annex 3, point 9.10.1
1013	**21 850-21 870 kHz**							
1014	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
1015				1	K	Military fixed systems		
1016			PN			SRD		Annex 3, point 9.1
1017				3	K	Railway applications		Annex 3, point 9.5.1
1018				3	K	Radio determination applications		Annex 3, point 9.7.1
1019				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1020	**21 870-21 924 kHz**							
1021	FIXED	5.155B NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
1022				1	K	Military fixed systems		
1023			PN			SRD		Annex 3, point 9.1
1024				3	K	Railway applications		Annex 3, point 9.5.1
1025				3	K	Radio determination applications		Annex 3, point 9.7.1
1026				3	K	Inductive applications		Annex 3, point 9.10.1
1027	**21 924-22 000 kHz**							
1028	AERONAUTICAL MOBILE (R)	NJE	E	1	K	Speech and data transmission systems (air-ground)	RR, Appendix 27	Channel spacing: 3 kHz
1029				1	K	Military aeronautical mobile systems	ICAO Annex 10: Volume III, Part II, Chapter 2, point 2.4 Volume V, Chapter 2, Chapter 3, point 3.1 Official frequency list	SSB modulation
1030			PN			SRD		Annex 3, point 9.1
1031				3	K	Railway applications		Annex 3, point 9.5.1
1032				3	K	Radio determination applications		Annex 3, point 9.7.1
1033				3	K	Inductive applications		Annex 3, point 9.10.1
1034	**22 000-22 855 kHz**							
1035	MARITIME MOBILE	5.132	P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
1036				1	K	GMDSS: MSI on the frequency 22 376 kHz	RR, Chapter VII, Articles 51, 52 RR, Appendix 15	
1037			PN			SRD		Annex 3, point 9.1
1038				3	K	Railway applications		Annex 3, point 9.5.1
1039				3	K	Radio determination applications		Annex 3, point 9.7.1
1040				3	K	Inductive applications		Annex 3, point 9.10.1
1041	**22 855-23 200 kHz**							
1042	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
1043				1	K	Military fixed systems		
1044	Mobile, excluding aeronautical mobile (R) (23 000-23 200 kHz)	NJE	N	2	K	Single-frequency systems		Annex 3, point 4.2
1045				2	K	Military mobile systems		
1046			PN			SRD		Annex 3, point 9.1
1047				3	K	Railway applications in the 22 855-23 000 kHz band		Annex 3, point 9.5.1
1048				3	K	Radio determination applications		Annex 3, point 9.7.1
1049				3	K	Inductive applications		Annex 3, point 9.10.1
1050	**23 200-23 350 kHz**							
1051	FIXED	5.156A NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
1052				1	K	Military fixed systems		
1053	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Air traffic systems (air-ground-air) (air-air)	ICAO Annex 10, Volume III, Part II, Chapter 2	Annex 3, point 4.3
1054				1	K	Military aeronautical mobile systems		
1055			PN			SRD		Annex 3, point 9.1
1056				3	K	Radio determination applications		Annex 3, point 9.7.1
1057				3	K	Inductive applications		Annex 3, point 9.10.1
1058	**23 350-24 000 kHz**							
1059	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
1060				1	K	Military fixed systems		
1061	MOBILE, except aeronautical mobile	5.157 NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 3, point 4.2
1062			PN			SRD		Annex 3, point 9.1
1063				3	K	Radio determination applications		Annex 3, point 9.7.1
1064				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1065	**24 000-24 890 kHz**							
1066	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
1067				1	K	Military fixed systems		
1068	LAND MOBILE	NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.2
1069				1	K	Military mobile systems		
1070			PN			SRD		Annex 3, point 9.1
1071				3	K	Radio determination applications		Annex 3, point 9.7.1
1072				3	K	Inductive applications		Annex 3, point 9.10.1
1073	**24 890-24 990 kHz**							
1074	AMATEUR		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
1075	AMATEUR SATELLITE		P	1	K	Amateur radio satellite		
1076			PN			SRD		Annex 3, point 9.1
1077				3	K	Radio determination applications		Annex 3, point 9.7.1
1078				3	K	Inductive applications		Annex 3, point 9.10.1
1079	**24 990-25 010 kHz**							
1080	AUTHENTIC FREQUENCY AND CLOCK SIGNAL (25 000 kHz)		P	1	K	Authentic frequency and clock signal applications		
1081	Space research (25 005-25 010 kHz)		P	2	T	Space research systems		
1082			PN			SRD		Annex 3, point 9.1
1083				3	K	Radio determination applications		Annex 3, point 9.7.1
1084				3	K	Inductive applications		Annex 3, point 9.10.1
1085	**25 010-25 070 kHz**							
1086	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
1087				1	K	Military fixed systems		
1088	MOBILE, except aeronautical mobile	NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 3, point 4.2
1089			PN			SRD		Annex 3, point 9.1
1090				3	K	Radio determination applications		Annex 3, point 9.7.1
1091				3	K	Inductive applications		Annex 3, point 9.10.1
1092	**25 070-25 210 kHz**							
1093	MARITIME MOBILE		P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
1094			PN			SRD		Annex 3, point 9.1
1095				3	K	Radio determination applications		Annex 3, point 9.7.1
1096				3	K	Inductive applications		Annex 3, point 9.10.1
1097	**25 210-25 550 kHz**							
1098	FIXED	NJE	E	1	K	Point-to-point, point-to-multipoint systems	RR, subsections 24.1, 24.2	For civilian use: Annex 3, point 2.1
1099				1	K	Military fixed systems		
1100	MOBILE, except aeronautical mobile	NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 3, point 4.2
1101			PN			SRD		Annex 3, point 9.1
1102				3	K	Radio determination applications		Annex 3, point 9.7.1
1103				3	K	Inductive applications		Annex 3, point 9.10.1
1104	**25 550-25 670 kHz**							
1105		5.149						
1106	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
1107			PN			SRD		Annex 3, point 9.1
1108				3	K	Radio determination applications		Annex 3, point 9.7.1
1109				3	K	Inductive applications		Annex 3, point 9.10.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1110	**25 670-26 100 kHz**							
1111	BROADCASTING		P			Terrestrial radio broadcasting	RR, Article 12 T/R 51-01	Only electronic communications services may be provided in the band.
1112				1	K	SW analogue radio broadcasting	ITU-R BS.560-4, BS.639-0 MSZ EN 302 017, MSZ EN 303 345-2	
1113				1	K	SW digital radio broadcasting	ITU-R BS.1514-2, BS.1615-2 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
1114			PN			SRD		Annex 3, point 9.1
1115				3	K	Radio determination applications		Annex 3, point 9.7.1
1116				3	K	Inductive applications		Annex 3, point 9.10.1
1117	**26 100-26 175 kHz**							
1118	MARITIME MOBILE	5.132	P	1	K	Narrowband direct-printing telegraph equipment and SSB radiotelephone coast stations	RR, Articles 51, 52 RR, Appendix 17	
1119				1	K	GMDSS: MSI on the frequency 26 100.5 kHz	RR, Chapter VII, Articles 51, 52 RR, Appendix 15	
1120			PN			SRD		Annex 3, point 9.1
1121				3	K	Radio determination applications		Annex 3, point 9.7.1
1122				3	K	Inductive applications		Annex 3, point 9.10.1
1123	**26 175-26 510 kHz**							
1124	FIXED	NJE	N	1	K	Military fixed systems	RR, subsections 24.1, 24.2	
1125	MOBILE, except aeronautical mobile	NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 3, point 4.2
1126			PN			SRD		Annex 3, point 9.1
1127				3	K	Radio determination applications		Annex 3, point 9.7.1
1128				3	K	Inductive applications		Annex 3, point 9.10.1
1129	**26 510-27 500 kHz**							
1130	FIXED	5.150	P	1	K	CB applications in the 26 960-27 410 kHz band, excluding frequencies 26 995 kHz, 27 045 kHz, 27 095 kHz, 27 145 kHz and 27 195 kHz	ECC/DEC/(11)03 MSZ EN 300 433	Channel spacing: 10 kHz Power: - 4 W, for angle modulation, - 4 W (RMS), for DSB modulation, - 12 W (PEP), for SSB modulation. Exempt from individual licensing obligation.
1131	MOBILE, except aeronautical mobile	5.150	P					
1132			PN			SRD		Annex 3, point 9.1
1133				3	K	Non-specific applications in the 26 957–27 283 kHz band		Annex 3, point 9.2.1
1134				3	K	Railway applications in the 27 090–27 100 kHz band		Annex 3, point 9.5.2
1135				3	K	Radio determination applications		Annex 3, point 9.7.1
1136				3	K	Model control applications in the 26 990–27 000 kHz, 27 040–27 050 kHz, 27 090–27 100 kHz, 27 140-27 150 kHz and 27 190–27 200 kHz bands		Annex 3, point 9.9.1
1137				3	K	Inductive applications		Annex 3, point 9.10.1
1138		5.150	PN	-	Ü	ISM applications in the 26 957-27 283 kHz band		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2						**Application**	**Document**	**Additional rules**
1139	**27.5-28 MHz**							
1140	METEOROLOGY		E	1	K	Meteorological applications		
1141	FIXED	NJE	N	1	K	Point-to-point, point-to-multiple systems in the 27.86-28 MHz band	RR, subsections 24.1, 24.2	Annex 3, point 2.2 Annex 4
1142				1	K	Military fixed systems		
1143	MOBILE	NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 3, point 4.4
1144			PN			SRD		Annex 3, point 9.1
1145				3	K	Radio determination applications		Annex 3, point 9.7.1
1146				3	K	Inductive applications		Annex 3, point 9.10.1
1147	**28-29.7 MHz**							
1148	AMATEUR		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
1149	AMATEUR SATELLITE		P	1	K	Amateur radio satellite		
1150			PN			SRD		Annex 3, point 9.1
1151				3	K	Radio determination applications		Annex 3, point 9.7.1
1152				3	K	Inductive applications		Annex 3, point 9.10.1
1153	**29.7-37.5 MHz**							
1154	SPACE OPERATION (satellite identification) (30.005-30.01 MHz)		P	1	T	Applications of space operation		
1155	FIXED		N	1	K	Point-to-point, point-to-multipoint systems in the 30.005-31.625 MHz, 34.975-34.995 MHz and 35.225-37.5 MHz band	RR, subsections 24.1, 24.2	Annex 3, point 2.2 Annex 4
1156				1	K	Military fixed systems in the 29.7-34.995 MHz and 35.225-37.5 MHz band		
1157	MOBILE	NJE	N	1	K	Single-frequency systems in the 29.7-34.995 MHz and 35.225-37.5 MHz band		Annex 3, point 4.1 Annex 3, point 4.4 Annex 4
1158				1	K	Military mobile systems in the 29.7-34.995 MHz and 35.225-37.5 MHz band		
1159				1	T	Military mobile systems in the 34.995-35.225 MHz band		Limited to extended spectrum systems.
1160	SPACE RESEARCH (30.005-30.01 MHz)		P	1	T	Space research systems		
1161			PN			SRD		Annex 3, point 9.1
1162				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
1163				3	K	Model control applications in 34.995-35.225 MHz band		Annex 3, point 9.9.2
1164				3	K	Inductive applications in the 29.7–30 MHz band		Annex 3, point 9.10.1
1165				3	K	Radio microphone applications and wireless audio and multimedia streaming applications in the 34.9–37.5 MHz band		Annex 3, point 9.11.2
1166				3	K	Active medical implants in the 30-37.5 MHz band		Annex 3, point 9.13.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1167	**37.5-40.02 MHz**							
1168	FIXED	5.149	N	1	K	Military fixed systems		Annex 3, point 2.2 Annex 4
1169	MOBILE	5.149	N	1	K	Single-frequency systems		Annex 3, point 4.1
1170		NJE		1	K	Military mobile systems		Annex 3, point 4.4 Annex 4
1171	Radio astronomy (37.5-38.25 MHz)		P	2	K	Radio astronomy applications		
1172	Space research (39.986-40.02 MHz)		P	2	T	Space research systems		
1173			P	2	K	Meteor scatter applications in the framework of mobile service in the 39–39.2 MHz band	ERC/REC/(00)04 ETSI EN 300 113, MSZ EN 300 113	Annex 3, point 3.1 Rights of use for radio spectrum may be obtained for mobile stations. Terminals are exempt from individual licensing obligation.
1174			PN			SRD		Annex 3, point 9.1
1175				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
1176				3	K	Radio microphone applications and wireless audio and multimedia streaming applications in the 37.5–38.5 MHz band		Annex 3, point 9.11.2
1177	**40.02-45 MHz**							
1178	FIXED	5.150 5.161B	N	1	K	Military fixed systems		Annex 3, point 2.2 Annex 4
1179	MOBILE	5.150	N	1	K	Single-frequency systems		Annex 3, point 4.1
1180		5.161B NJE		1	K	Military mobile systems		Annex 3, point 4.4 Annex 4
1181	Space research (40.98-41.015 MHz)		P	2	T	Space research systems		
1182		5.150	P	2	K	Short-range paging systems in the framework of land mobile service on 40.665 MHz, 40.675 MHz, 40.685 MHz and 40.695 MHz	ECC/REC/(02)01 MSZ EN 300 224	
1183			PN			SRD		Annex 3, point 9.1
1184				3	K	Non-specific applications in the 40.66–40.7 MHz band		Annex 3, point 9.2.1
1185				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
1186				3	K	Model control applications on 40.665 MHz, 40.675 MHz, 40.685 MHz and 40.695 MHz		Annex 3, point 9.9.2
1187		5.150	PN	-	Ü	ISM applications in the 40.66-40.7 MHz band		
1188	**45-47 MHz**							
1189	FIXED		N	1	K	Point-to-point, point-to-multipoint systems in the 46.975-47 MHz band		Annex 3, point 2.2 Annex 4
1190				1	K	Military fixed systems		
1191	MOBILE	NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 3, point 4.4 Annex 4
1192			PN			SRD		Annex 3, point 9.1
1193				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1194	**47-68 MHz**							
1195	AMATEUR (50-50.5 MHz)	5.166A 5.166B 5.166C 5.169B	P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7 The field strength generated by the amateur station shall not exceed the calculated value of +6 dB(μV/m) at a height of 10 m above the ground level for more than 10 % of the time at the border of Ukraine, Romania and Serbia. In case of interferences to stations referred to in RR Subsection 5.166C, additional restrictions on amateur stations may be necessary.
1196	FIXED	RRE	N	1	K	Point-to-point, point-to-multipoint systems in the 48.475-56.5 MHz and 57.975-60 MHz bands		Annex 3, point 2.2 Annex 4
1197				1	K	Military fixed systems		
1198	LAND MOBILE	5.164 NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.4 Annex 4
1199				1	K	Military mobile systems		
1200	Amateur (50.5-52 MHz)	5.166B 5.166C 5.169B	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7 The field strength generated by the amateur station shall not exceed the calculated value of +6 dB(μV/m) at a height of 10 m above the ground level for more than 10 % of the time at the border of Ukraine, Romania and Serbia. In case of interferences to stations referred to in RR Subsection 5.166C, additional restrictions on amateur stations may be necessary.
1201			PN			SRD		Annex 3, point 9.1
1202				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
1203	**68-73 MHz**							
1204	FIXED	5.175	N	1	K	Point-to-point, point-to-multipoint systems in the 69.975-73 MHz band		Annex 3, point 2.2 Annex 4
1205				1	K	Military fixed systems		
1206	LAND MOBILE	5.175 NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.4 Annex 4
1207				1	K	Military mobile systems		
1208	Amateur (70-70.5 MHz)	5.175 RRE	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
1209			PN			SRD		Annex 3, point 9.1
1210				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
1211	**73-74.8 MHz**							
1212	FIXED	5.149	N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.2 Annex 4
1213				1	K	Military fixed systems		
1214	MOBILE, except aeronautical mobile	5.149 NJE	N	1	K	Single-frequency systems		Annex 3, point 4.1 Annex 3, point 4.4 Annex 4
1215				1	K	Military mobile systems		
1216			PN			SRD		Annex 3, point 9.1
1217				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1218	**74.8-75.2 MHz**							
1219	AERONAUTICAL RADIONAVIGATION	5.180	E	1	K	ILS marker beacons (ground-air)	ICAO Annex 10: Volume I, Chapter 3, point 3.1.7 Volume I, Annex C, point 2	Operating frequency: 75 MHz ± 0.005 %
1220				1	K	En route beacons "Z" (ground-air)	ICAO Annex 10: Volume I, Chapter 3, point 3.6 Volume I, Annex C, point 5	
1221			PN			SRD		Annex 3, point 9.1
1222				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
1223	**75.2-87.5 MHz**							
1224	FIXED	5.175	N	1	K	Point-to-point, point-to-multipoint systems in the 75.675-76.45 MHz, 77.7-80.925 MHz and 81.425-82 MHz band		Annex 3, point 2.2 Annex 4
1225				1	K	Military fixed systems in the 75.2-76.45 MHz and 77.5-84 MHz band		
1226	MOBILE, except aeronautical mobile	5.175 NJE	N	1	K	Single-frequency and dual-frequency systems		Annex 3, point 4.1 Annex 3, point 4.4 Annex 4
1227				1	K	Military mobile systems		
1228			PN			SRD		Annex 3, point 9.1
1229				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
1230	**87.5-108 MHz**							
1231	BROADCASTING		P			Terrestrial radio broadcasting	T/R 51-01	Only electronic communications services may be provided in the band.
1232				1	K	VHF-FM analogue radio broadcasting	GE84 ITU-R BS.412-9, BS.450-4, SM.1009-1 MSZ ETS 300 384, MSZ ETS 300 384/A1 MSZ EN 302 018, MSZ EN 303 345-3	
1233				1	K	Digital radio broadcasting	ITU-R BS.1114-11, BS.1660-8 ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
1234			P	2	K	Applications implemented with wireless audio PMSE equipment	MSZ ETS 300 384, MSZ ETS 300 384/A1 MSZ EN 302 018	Power: up to 100 W ERP
1235				2	K	Drive-in cinema applications		Power: up to 1 W ERP
1236			PN			SRD		Annex 3, point 9.1
1237				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
1238				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1239	**108-117.975 MHz**							
1240	AERONAUTICAL MOBILE (R)	5.197A	E	1	K	Navigation information systems consisting of ground-based transmitters and associated receivers, supporting the performance of air navigation tasks in the 108-112 MHz band	ICAO Annex 10: Volume III, Part II, Chapter 2, points 2.1, 2.2, 2.3, Chapter 5 Volume V, Annex A for receivers: Volume III, Part II, point 2.3 Volume III, Part II, Annex A, point 1.3 for transfer of data: Volume III, Part I, Chapter 6 Volume III, Part I, Annex B MSZ EN 303 084	Equipment complying with ICAO Annex 10, Volume III, Part II, Chapter 2 may be put in service.
1241				1	K	Speech and data transmission systems (air-ground) (air-air) for flight control and safety in the 112-117.975 MHz band		
1242	AERONAUTICAL RADIONAVIGATION		E	1	K	ILS localisers (ground-air) in the 108-111.975 MHz band	ICAO Annex 10: Volume I, Chapter 3, point 3.1 Volume I, Annex C, point 2, point 3.5 Volume V, Chapter 4, point 4.2 for receivers: Volume I, Chapter 3, point 3.1.4 Volume I, Annex C, points 2.2, 2.3 ICAO COM-Table 3 Official frequency list	Channel spacing: 50 kHz or 100 kHz Transmission mode: A9W or A8W
1243				1	K	TVOR (ground-air)	ICAO Annex 10: Volume I, Chapter 3, point 3.3 Volume I, Annex C, point 3 Volume V, Chapter 4, point 4.2 for receivers: Volume I, Chapter 3, point 3.3.8 Volume I, Annex C, point 3.6 ICAO COM-Table 3 Official frequency list	
1244				1	K	VOR (ground-air)		
1245			PN			SRD		Annex 3, point 9.1
1246				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1247	**117.975-132 MHz**							
1248	AERONAUTICAL MOBILE (R)	5.200	E	1	K	Speech and data transmission systems (air-ground) (air-air) for flight control and safety	(EU) 1079/2012, (EU) 657/2013 ICAO Annex 10: Volume III, Part II, Chapter 2, points 2.1, 2.2, 2.3, Chapter 5 Volume V, Chapter 2, Chapter 4, point 4.1, Chapter 4, Appendix Volume V, Annex A	Equipment complying with ICAO Annex 10, Volume III, Part II, Chapter 2 may be put in service.
1249				1	K	Air traffic applications on 121.5 MHz and 123.1 MHz	for receivers: Volume III, Part II, point 2.3 Volume III, Part II, Annex A, point 1.3 for transfer of data: Volume III, Part I, Chapter 6 Volume III, Part I, Annex B ICAO COM-Table 2 MSZ EN 300 676-2, MSZ EN 301 841-3 MSZ EN 301 842-5 Official frequency list	Equipment complying with ICAO Annex 10, Volume III, Part II, Chapter 2 may be put in service. All other transmissions on 121.5 MHz (aircraft emergency frequency) and 123.1 MHz (reserve aircraft emergency frequency) shall be prohibited.
1250				1	K	EPIRB, ELT	MSZ EN 300 152-2, MSZ EN 300 152-3 MSZ EN 302 961	
1251		5.200	PN	1	K	Emergency distress and safety related transmissions of the maritime mobile service's mobile stations with aeronautical mobile service stations on 121.5 MHz and 123.1 MHz	RR, Article 31 RR, Appendix 15 ICAO Annex 10: Volume III, Part II, Chapter 5 Volume V, Chapter 2, Chapter 4, point 4.1, Chapter 4, Appendix	All other transmissions on 121.5 MHz (aircraft emergency frequency) and 123.1 MHz (reserve aircraft emergency frequency) shall be prohibited.
1252				1	K	EPIRB	MSZ EN 300 152-2, MSZ EN 300 152-3 MSZ EN 302 961	
1253		5.111	PN	1	K	Search and rescue operations of manned spacecraft on 121.5 MHz	RR, Article 31 RR, Appendix 15	All other transmissions on the frequency are prohibited.
1254			PN			SRD		Annex 3, point 9.1
1255				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1256	**132-137 MHz**							
1257	AERONAUTICAL MOBILE (OR) (132-136 MHz)	5.200 5.201	E	1	K	Speech and data transmission systems (air-ground) for flight control and safety	(EU) 1079/2012, (EU) 657/2013 ICAO Annex 10: Volume III, Part II, Chapter 2, points 2.1, 2.2, 2.3, Chapter 5 Volume V, Chapter 4, point 4.1, Chapter 4, Appendix Volume V, Annex A for receivers: Volume III, Part II, point 2.3 Volume III, Part II, Annex A, point 1.3 for transfer of data: Volume III, Part I, Chapter 6 Volume III, Part I, Annex B MSZ EN 300 676-2, MSZ EN 301 841-3 MSZ EN 301 842-5	Annex 3, point 4.3 Equipment complying with ICAO Annex 10, Volume III, Part II, Chapter 2 may be put in service.
1258	AERONAUTICAL MOBILE (R)	5.200	E	1	K	Speech and data transmission systems (air-ground) (air-air) for flight control and safety	(EU) 1079/2012, (EU) 657/2013 ICAO Annex 10: Volume III, Part II, Chapter 2, points 2.1, 2.2, 2.3, Chapter 5 Volume V, Chapter 4, point 4.1, Chapter 4, Appendix Volume V, Annex A for receivers: Volume III, Part II, point 2.3 Volume III, Part II, Annex A, point 1.3 for transfer of data: Volume III, Part I, Chapter 6 Volume III, Part I, Annex B ICAO COM-Table 2 MSZ EN 300 676-2, MSZ EN 301 841-3 MSZ EN 301 842-5 Official frequency list	Equipment complying with ICAO Annex 10, Volume III, Part II, Chapter 2 may be put in service.
1259			PN			SRD		Annex 3, point 9.1
1260				3	K	Radio determination applications		Annex 3, point 9.7.2
1261	**137-137.175 MHz**							
1262	SPACE OPERATION (space to Earth)	5.203C	P	1	K	Applications of space operation		
1263	METEOROLOGICAL-SATELLITE (space-Earth)		E	1	K	Meteorological-satellite systems		
1264	SATELLITE MOBILE (space-Earth) (137-137.025 MHz)	5.208 5.208A 5.208B 5.209	P	1	K	NGSO S-PCS non-voice transmission applications	ERC/DEC/(99)05, ERC/DEC/(99)06 MSZ EN 301 721	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
1265	SPACE RESEARCH (space-Earth)		P	1	K	Space research systems		
1266	Satellite mobile (space-Earth) (137.025-137.175 MHz)	5.208 5.208A 5.208B 5.209	P	2	K	NGSO S-PCS non-voice transmission applications	ERC/DEC/(99)05, ERC/DEC/(99)06 MSZ EN 301 721	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
1267			PN			SRD		Annex 3, point 9.1
1268				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1269	**137.175-138 MHz**							
1270	SPACE OPERATION (space to Earth)	5.203C 5.209A	P	1	K	Applications of space operation		
1271	METEOROLOGICAL-SATELLITE (space-Earth)		E	1	K	Meteorological-satellite systems		
1272	SATELLITE MOBILE (space-Earth) (137.175-137.825 MHz)	5.208 5.208A 5.208B 5.209	P	1	K	NGSO S-PCS non-voice transmission applications	ERC/DEC/(99)05, ERC/DEC/(99)06 MSZ EN 301 721	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
1273				1	K	Orbcomm		Terminal station: 137.187-137.818 MHz Central earth station: 137.535-137.585 MHz
1274	SPACE RESEARCH (space-Earth)		P	1	K	Space research systems		
1275	Satellite mobile (space-Earth) (137.825-138 MHz)	5.208 5.208A 5.208B 5.209	P	2	K	NGSO S-PCS non-voice transmission applications	ERC/DEC/(99)05, ERC/DEC/(99)06 MSZ EN 301 721	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
1276			PN			SRD		Annex 3, point 9.1
1277				3	K	Radio determination applications		Annex 3, point 9.7.2
1278	**138-144 MHz**							
1279	AERONAUTICAL MOBILE (OR)	NJE	N	1	K	Speech and data transmission systems (air-ground-air) (air-air)	ICAO Annex 10, Volume III, Part II, Chapter 2	Annex 3, point 4.3
1280				1	K	Military aeronautical mobile systems		
1281			PN			SRD		Annex 3, point 9.1
1282				3	K	Non-specific applications in the 138.2–138.45 MHz band		Annex 3, point 9.2.2
1283				3	K	Radio determination applications		Annex 3, point 9.7.2
1284	**144-146 MHz**							
1285	AMATEUR (144–145.806 MHz)		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
1286	AMATEUR SATELLITE		P	1	K	Amateur radio satellite		
1287			PN			SRD		Annex 3, point 9.1
1288				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1289	**146-148 MHz**							
1290	LAND MOBILE		P			Land mobile service systems	ECC/DEC/(19)02 T/R 25-08 ETSI EN 300 113, MSZ EN 300 113 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.5 Annex 4
1291				1	K	Single-frequency, analogue and digital PMR systems in the 146-146.5 MHz band	MSZ EN 300 086, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341	
1292				1	K	Single-frequency analogue and digital radio paging systems, operating with a base system, in the 146-146.5 MHz band		
1293				1	K	Single-frequency, digital PMR systems in the 146.5-146.8 MHz band		
1294				1	K	Single-frequency digital radio paging systems, operating with a base system, in the 146.5-146.8 MHz band		
1295				1	K	Dual-frequency digital PMR systems, operating with a relay station, in the 146.8-147.6/151.4-152.2 MHz band	MSZ EN 302 561	
1296				1	K	Dual-frequency analogue and digital PMR systems, operating with a relay station, in the 147.6-148/152.2-152.6 MHz band	MSZ EN 300 086, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341	
1297			PN			SRD		Annex 3, point 9.1
1298				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1299	**148-149.9 MHz**							
1300	SPACE OPERATION (Earth to space)	5.218 5.218A	P	1	K	Applications of space operation		
1301	MOBILE-SATELLITE (Earth-space)	5.209 5.219 5.221	P	1	K	NGSO S-PCS non-voice transmission applications	ERC/DEC/(99)05, ERC/DEC/(99)06 MSZ EN 301 721	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation. Power density: up to 10 dBW/4 kHz peak EIRP for land stations.
1302				1	K	Orbcomm		Terminal station: 149.61-149.9 MHz Central earth station:149.61-149.9 MHz
1303	LAND MOBILE		P			Land mobile service systems	T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 4
1304				1	K	Dual-frequency analogue and digital PMR systems, operating with a relay station, in the 148-148.2125/152.6-152.8125 MHz and 148.2375-149.4/152.8375-154 MHz band	ECC/DEC/(19)02	Annex 3, point 4.5
1305				1	K	Single-frequency analogue PMR systems in the 148-148.2125 MHz and 148.2375-149.4 MHz band		Annex 3, point 4.5 Rail-related and railway systems which use the carrier frequency 25 kHz and offset 12.5 kHz shall be operational until 31 December 2025. Other systems using the 25 kHz or offset 12.5 kHz carrier frequency shall not be in operation.
1306				1	K	Single-frequency, analogue and digital PMR systems in the 148.2125-148.2375 MHz band	ECC/DEC/(19)02	Annex 3, point 4.5 Power: - up to 2 W ERP for mobile stations, - up to 1 W ERP for fixed stations.
1307				1	K	Single-frequency, analogue and digital PMR systems in the 149.4-149.9 MHz band		Annex 3, point 4.5
1308				1	K	Single-frequency analogue and digital radio paging systems, operating with a base system, in the 149.4-149.9 MHz band		
1309				1	K	Single-frequency analogue and digital PMR systems for local, institutional or voluntary fire brigades in the 149.6875-149.7 MHz and 149.75-149.7625 MHz band		Annex 3, point 4.5.1 Channel spacing: 12.5 kHz Fixed station's above-ground antenna height: max. 15 m Power: - up to 5 W ERP for portable and mobile stations, - up to 1 W ERP for fixed stations. Nature of radio spectrum use: joint
1310				1	T	Dual-frequency, digital PAMR systems in the 148.7-149.4/153.3-154 MHz band		
1311				2	K	Portable transponders for radio paging systems on 148.25 MHz, 148.35 MHz, 148.4 MHz, 148.45 MHz and 148.55 MHz	ECC/REC/(02)01 MSZ EN 300 224	Annex 4 Channel spacing: 12.5 kHz or 25 kHz Power: up to 50 mW ERP Nature of radio spectrum use: joint
1312			PN			SRD		Annex 3, point 9.1
1313				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1314	**149.9-150.05 MHz**							
1315	MOBILE-SATELLITE (Earth-space)	5.209 5.220	P	1	K	NGSO S-PCS non-voice transmission applications	ERC/DEC/(99)05, ERC/DEC/(99)06 MSZ EN 301 721	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation. Power density: up to 10 dBW/4 kHz peak EIRP for land stations.
1316				1	K	Orbcomm		Terminal station: 149.9-150.025 MHz Central earth station: 149.9-150.025 MHz
1317			PN			SRD		Annex 3, point 9.1
1318				3	K	Radio determination applications		Annex 3, point 9.7.2
1319	**150.05-151.4 MHz**							
1320	FIXED (until 31 December 2028)	5.149	N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.3 Annex 4
1321	MOBILE, except aeronautical mobile (until 31 December 2028)	5.149	N	1	K	Single-frequency and dual-frequency systems		Annex 3, point 4.5 Annex 4
1322				1	K	Military mobile systems		
1323	LAND MOBILE	5.149	P	1	T	Land mobile service systems		
1324	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
1325			N	3	K	Low-power wireless signal, data and speech transmission		Applications may be operated until 31 December 2028. Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1326			PN			SRD		Annex 3, point 9.1
1327				3	K	Non-specific applications in the 150.98–151.16 MHz band		Annex 3, point 9.2.2
1328				3	K	Radio determination applications		Annex 3, point 9.7.2
1329	**151.4-154 MHz**							
1330	LAND MOBILE	5.149	P			Land mobile service systems	ECC/DEC/(19)02 T/R 25-08 ETSI EN 300 113, MSZ EN 300 113 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.5 Annex 4
1331				1	K	Dual-frequency digital PMR systems, operating with a relay station, in the 146.8-147.6/151.4-152.2 MHz band	MSZ EN 302 561	
1332				1	K	Dual-frequency analogue and digital PMR systems, operating with a relay station, in the 147.6-148/152.2-152.6 MHz band	MSZ EN 300 086, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341	
1333				1	K	Dual-frequency analogue and digital PMR systems, operating with a relay station, in the 148-148.2125/152.6-152.8125 MHz and 148.2375-149.4/152.8375-154 MHz band		
1334				1	K	Single-frequency, analogue and digital PMR systems in the 152.8125-152.8375 MHz band		Power: - up to 2 W ERP for mobile stations, - up to 1 W ERP for fixed stations.
1335				1	T	Dual-frequency digital PMR/PAMR systems in the 148.7-149.4/153.3-154 MHz band		
1336	RADIO ASTRONOMY (151.4-153 MHz)		P	1	K	Radio astronomy applications		
1337			PN			SRD		Annex 3, point 9.1
1338				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1339	**154-156 MHz**							
1340	FIXED		N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.3 Annex 4
1341	MOBILE, except aeronautical mobile (R)		N	1	K	Single-frequency and dual-frequency systems		Annex 3, point 4.5 Annex 4
1342				1	K	Military mobile systems		
1343	LAND MOBILE		P	1	T	Land mobile service systems		
1344	RADIO LOCATION (probably until 31 December 2028)	RRE	N	1	K	Radiolocation systems		Rights of use for radio spectrum may be obtained with equipment held by the licensee on 1 January 2008 and for a station established at any of the existing radiolocation sites at that time.
1345			N	3	K	Low-power wireless signal, data and speech transmission		Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1346			PN			SRD		Annex 3, point 9.1
1347				3	K	Radio determination applications		Annex 3, point 9.7.2
1348	**156-156.4875 MHz**							
1349	MARITIME MOBILE	5.226	E	1	T	Inland waterway mobile service systems on frequencies 'T' as defined in point 4.6.1 of Annex 3	2000/637/EC RAINWAT	
1350				1	K	Inland waterway mobile service systems on frequencies 'K' as defined in point 4.6.1 of Annex 3	2000/637/EC RAINWAT, Guide Concerning Radiotelephone Service on Inland Waterways MSZ EN 300 698, MSZ EN 301 178 MSZ EN 301 929	Annex 3, point 4.6
1351				1	K	Provision of ship-to-aircraft connection during search and rescue operations and for other safety purposes on 156.3 MHz	RR, Articles 30, 32 RR, Appendix 15, 18 MSZ EN 300 698, MSZ EN 301 178	
1352	LAND MOBILE	5.226	P			Land mobile service systems	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.5 Annex 4 The frequencies allocated to coastal and ship stations on inland waterways in accordance with point 4.6.1 of Annex 3 shall not be used within 25 km of the coast of inland waterways. The use of the band shall not cause harmful interference to the inland waterway mobile service.
1353				1	K	Dual-frequency analogue and digital PMR systems, operating with a relay station, in the 156-156.375/160.6-160.975 MHz band		In areas where dual-frequency use is not possible due to failure of international coordination, single-frequency use is allowed. In the transmission band of mobile stations, the effective antenna height of the base and fixed stations, calculated at 15 km, is max. 10 m, while the power is up to 10 W ERP.
1354				1	K	Single-frequency, analogue and digital PMR systems in the 156.375-156.4875 MHz band		
1355				1	K	Single-frequency analogue and digital radio paging systems, operating with a base system, in the 156.375-156.4875 MHz band		
1356			PN			SRD		Annex 3, point 9.1
1357				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1358	**156.4875-156.5125 MHz**							
1359	MARITIME MOBILE (distress and calling with DSC)	5.226	E	1	K	Inland waterway mobile service systems on frequencies 'K' as defined in point 4.6.1 of Annex 3	2000/637/EC RAINWAT, Guide Concerning Radiotelephone Service on Inland Waterways MSZ EN 300 698, MSZ EN 301 178 MSZ EN 301 929	Annex 3, point 4.6
1360	LAND MOBILE	5.226 5.227	P			Land mobile service systems	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.5 Annex 4 The frequencies allocated to coastal and ship stations on inland waterways in accordance with point 4.6.1 of Annex 3 shall not be used within 25 km of the coast of inland waterways. The use of the band shall not cause harmful interference to the inland waterway mobile service.
1361				1	K	Single-frequency, analogue and digital PMR systems		
1362				1	K	Single-frequency analogue and digital radio paging systems, operating with a base station		
1363			PN			SRD		Annex 3, point 9.1
1364				3	K	Radio determination applications		Annex 3, point 9.7.2
1365	**156.5125-156.5375 MHz**							
1366	LAND MOBILE	5.226 RRE	P			Land mobile service systems	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.5 Annex 4 The use of the band shall not cause harmful interference to the inland waterway mobile service, and shall not claim protection against it.
1367				1	K	Single-frequency, analogue and digital PMR systems		
1368				1	K	Single-frequency analogue and digital radio paging systems, operating with a base station		
1369		5.111	PN	1	K	Search and rescue operations of manned spacecraft on 156.525 MHz	RR, Article 31	
1370			PN			SRD		Annex 3, point 9.1
1371				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1372	**156.5375-156.5625 MHz**							
1373	MARITIME MOBILE (distress and calling with DSC)	5.226	E	1	K	Inland waterway mobile service systems on frequencies 'K' as defined in point 4.6.1 of Annex 3	2000/637/EC RAINWAT, Guide Concerning Radiotelephone Service on Inland Waterways MSZ EN 300 698, MSZ EN 301 178 MSZ EN 301 929	Annex 3, point 4.6
1374	LAND MOBILE	5.226 5.227	P			Land mobile service systems	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.5 Annex 4 The frequencies allocated to coastal and ship stations on inland waterways in accordance with point 4.6.1 of Annex 3 shall not be used within 25 km of the coast of inland waterways. The use of the band shall not cause harmful interference to the inland waterway mobile service.
1375				1	K	Single-frequency, analogue and digital PMR systems		
1376				1	K	Single-frequency analogue and digital radio paging systems, operating with a base station		
1377			PN			SRD		Annex 3, point 9.1
1378				3	K	Radio determination applications		Annex 3, point 9.7.2
1379	**156.5625-156.7625 MHz**							
1380	MARITIME MOBILE	5.226	E	1	T	Inland waterway mobile service systems on frequencies 'T' as defined in point 4.6.1 of Annex 3	2000/637/EC RAINWAT	
1381				1	K	Inland waterway mobile service systems on frequencies 'K' as defined in point 4.6.1 of Annex 3	2000/637/EC RAINWAT, Guide Concerning Radiotelephone Service on Inland Waterways MSZ EN 300 698, MSZ EN 301 178 MSZ EN 301 929	Annex 3, point 4.6
1382	LAND MOBILE	5.226	P			Land mobile service systems	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.5 Annex 4 The frequencies allocated to coastal and ship stations on inland waterways in accordance with point 4.6.1 of Annex 3 shall not be used within 25 km of the coast of inland waterways. The use of the band shall not cause harmful interference to the inland waterway mobile service.
1383				1	K	Single-frequency, analogue and digital PMR systems		
1384				1	K	Single-frequency analogue and digital radio paging systems, operating with a base station		
1385			PN			SRD		Annex 3, point 9.1
1386				3	K	Radio determination applications		Annex 3, point 9.7.2
1387	**156.7625-156.7875 MHz**							
1388	MARITIME MOBILE	5.226 5.228	E	1	K	Inland waterway mobile service systems on frequencies 'K' as defined in point 4.6.1 of Annex 3	2000/637/EC RAINWAT, Guide Concerning Radiotelephone Service on Inland Waterways MSZ EN 300 698, MSZ EN 301 178 MSZ EN 301 929	Annex 3, point 4.6
1389			PN			SRD		Annex 3, point 9.1
1390				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1391	**156.7875-156.8125 MHz**							
1392	MARITIME MOBILE (distress and calling)	5.226	E	1	K	International emergency distress, safety and calling frequency on 156.8 MHz	2000/637/EC RAINWAT, Guide Concerning Radiotelephone Service on Inland Waterways MSZ EN 300 698, MSZ EN 301 178 MSZ EN 301 929	Annex 3, point 4.6 All other transmissions on the frequency are prohibited.
1393		5.111	PN	1	K	Search and rescue operations of manned spacecraft on 156.8 MHz	RR, Article 31	All other transmissions on the frequency are prohibited.
1394			PN			SRD		Annex 3, point 9.1
1395				3	K	Radio determination applications		Annex 3, point 9.7.2
1396	**156.8125-156.8375 MHz**							
1397	MARITIME MOBILE	5.226 5.228	E	1	K	Inland waterway mobile service systems on frequencies ‘K’ as defined in point 4.6.1 of Annex 3	2000/637/EC RAINWAT, Guide Concerning Radiotelephone Service on Inland Waterways MSZ EN 300 698, MSZ EN 301 178 MSZ EN 301 929	Annex 3, point 4.6
1398			PN			SRD		Annex 3, point 9.1
1399				3	K	Radio determination applications		Annex 3, point 9.7.2
1400	**156.8375-167.3 MHz**							
1401	MARITIME MOBILE (156.8375-162.05 MHz)	5.226	E	1	T	Inland waterway mobile service systems on frequencies ‘T’ as defined in point 4.6.1 of Annex 3	2000/637/EC RAINWAT	
1402				1	K	Inland waterway mobile service systems on frequencies ‘K’ as defined in point 4.6.1 of Annex 3	RR, Appendix 15, 18 2000/637/EC ECC/DEC/(19)03 RAINWAT, Guide Concerning Radiotelephone Service on Inland Waterways MSZ EN 300 698, MSZ EN 301 178 MSZ EN 301 929	Annex 3, point 4.6
1403				1	K	AIS on the frequency 161.975 MHz and 162.025 MHz	RR, Appendix 15, 18 RAINWAT, Guide Concerning Radiotelephone Service on Inland Waterways MSZ EN 300 698, MSZ EN 301 178 MSZ EN 301929, MSZ EN 303098	Row 3 of the table in point 2 of Annex 6
1404	LAND MOBILE	5.226 5.228B	P			Land mobile service systems	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.5 Annex 4
1405				1	K	Single-frequency analogue and digital radio paging systems, operating with a base system, in the 156.8375-156.875 MHz band		The frequencies allocated to coastal and ship stations on inland waterways in accordance with point 4.6.1 of Annex 3 shall not be used within 25 km of the coast of inland waterways. The use of the band shall not cause harmful interference to the inland waterway mobile service.
1406				1	K	Single-frequency, analogue and digital PMR systems in the 156.8375-156.875 MHz band		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2						**Application**	**Document**	**Additional rules**
1407				1	K	Dual-frequency analogue and digital PMR systems, operating with a relay station, in the 156-156.375/160.6-160.975 MHz band		The frequencies allocated to coastal and ship stations on inland waterways in accordance with point 4.6.1 of Annex 3 shall not be used within 25 km of the coast of inland waterways. The use of the band shall not cause harmful interference to the inland waterway mobile service. In areas where dual-frequency use is not possible due to failure of international coordination, single-frequency use is allowed. In the transmission band of mobile stations, the effective antenna height of the base and fixed stations, calculated at 15 km, is max. 10 m, while the power is up to 10 W ERP.
1408				1	K	Dual-frequency analogue and digital PMR systems, operating with a relay station, in the 156.875-157.45/161.475-162.05 MHz band		
1409				1	K	Dual-frequency analogue and digital PMR systems, operating with a relay station, in the 157.45-159.5625/162.05-164.1625 MHz and 159.5875-160.6/164.1875-165.2 MHz band	MSZ EN 302 561	With the exception of systems operating on the frequencies 158.425/163.425 MHz, 158.45/163.45 MHz, 158.475/163.475 MHz, 158.5/163.5 MHz, 158.525/163.525 MHz, 158.55/163.55 MHz, 158.575/163.575 MHz and 158.6/163.6 MHz, rail-related and rail systems using a carrier frequency of 25 kHz or offset 12.5 kHz or a duplex distance other than 4.6 MHz may be operated until 31 December 2025. Radio equipment using the frequencies 158.425/163.425 MHz, 158.45/163.45 MHz, 158.475/163.475 MHz, 158.5/163.5 MHz, 158.525/163.525 MHz, 158.55/163.55 MHz, 158.575/163.575 MHz and 158.6/163.6 MHz shall not be operated. Channel spacing: 6.25 kHz or 12.5 kHz can be used in the case of Budapest or Budapest-related supplies. In areas where dual-frequency use is not possible due to failure of international coordination, single-frequency use is allowed. In the transmission band of mobile stations, the effective antenna height of the base and fixed stations, calculated at 15 km, is max. 10 m, while the power is up to 10 W ERP. Single-frequency radio stations in the transmission band of mobile stations, which have a valid licence on 15 October 2008 and have different parameters (other than the previous) for railway or rail-related operations may be operated until 31 December 2025.
1410				1	K	Single-frequency, analogue and digital PMR systems in the 159.5625–159.5875 MHz band		
1411				1	K	Single-frequency analogue and digital radio paging systems, operating with a base station, in the 159.5625–59.5875 MHz band		
1412				1	K	Single-frequency, analogue and digital PMR systems in the 160.975-161.475 MHz, 165.2-166.6125 MHz, 166.6375-166.8125 MHz and 166.8375-167.3 MHz band		
1413				1	K	Single-frequency analogue and digital radio paging systems, operating with a base station, in the 160.975-161.475 MHz, 165.2-166,6125 MHz, 166.6375-166.8125 MHz and 166.8375-167.3 MHz band		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1414				1	K	Single-frequency, analogue and digital PMR systems in the 166.6125–166.6375 MHz and 166.8125–166.8375 MHz band		Power: - up to 2 W ERP for mobile stations, - up to 1 W ERP for fixed stations.
1415				1	K	Tracking and object tracing systems in the 164.1625-164.1875 MHz band	ITU-R M.1746-1	
1416		5.228A	PN	1	K	Search and rescue operations and other safety-related connections of aircraft stations in the 161.9625-161.9875 MHz and 162.0125-162.0375 MHz band	RR, Appendix 15	
1417			PN			SRD		Annex 3, point 9.1
1418				3	K	Radio determination applications		Annex 3, point 9.7.2
1419	**167.3-169.4 MHz**							
1420	FIXED (until 31 December 2028)		N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.3 Annex 4
1421	MOBILE, except aeronautical mobile (until 31 December 2028)		N	1	K	Single-frequency and dual-frequency systems		Annex 3, point 4.5 Annex 4
1422				1	K	Military mobile systems		
1423	LAND MOBILE		P	1	T	Land mobile service systems		
1424			N	3	K	Low-power wireless signal, data and speech transmission		Applications may be operated until 31 December 2028. Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1425			PN			SRD		Annex 3, point 9.1
1426				3	K	Radio determination applications		Annex 3, point 9.7.2
1427	**169.4-169.8125 MHz**							
1428	MOBILE, except aeronautical mobile		E					
1429			PN			SRD		Annex 3, point 9.1
1430				3	K	Non-specific applications		Annex 3, point 9.2.1
1431				3	K	Tracking, tracing and data collection applications in the 169.4–169.475 MHz band		Annex 3, point 9.3.1
1432				3	K	Radio determination applications		Annex 3, point 9.7.2
1433				3	K	Radio microphone applications and wireless audio and multimedia streaming applications in the 169.4–169.475 MHz and 169.4875–169.5875 MHz bands		Annex 3, point 9.11.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1434	**169.8125-174 MHz**							
1435	FIXED		N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.3 Annex 4
1436	MOBILE, except aeronautical mobile		N	1	K	Single-frequency and dual-frequency systems		Annex 3, point 4.5 Annex 4
1437				1	K	Military mobile systems		
1438	LAND MOBILE		P	1	K	Single-frequency, analogue and digital PMR systems for civil guard organisations	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.7 Annex 4 Rights of use for radio spectrum may be obtained in accordance with harmonised civil and non-civil radio spectrum management aspects.
1439				1	T	Other land mobile service systems		
1440	RADIO LOCATION (probably until 31 December 2028)	RRE	N	1	K	Radiolocation systems		Rights of use for radio spectrum may be obtained with equipment held by the licensee on 1 January 2008 and for a station established at any of the existing radiolocation sites at that time.
1441			N	3	K	Low-power wireless signal, data and speech transmission		Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1442			PN			SRD		Annex 3, point 9.1
1443				3	K	Radio determination applications		Annex 3, point 9.7.2
1444				3	K	Radio microphone applications and wireless audio and multimedia streaming applications in the 173.965–174 MHz band		Annex 3, point 9.11.1
1445	**174-223 MHz**							
1446	BROADCASTING		P	1	K	Terrestrial digital radio broadcasting	GE06 ITU-R BS.1114-11, BS.1660-8 T/R 51-01	Only electronic communications services may be provided in the band.
1447				1	K	T-DAB	ETSI EN 302 077-2, MSZ EN 302 077 MSZ EN 303 345-4	
1448				1	K	DRM	ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
1449			P	2	K	In the framework of land mobile service, the transmission of television news in the 190-214 MHz band	ITU-R SM.329-12, SM.1045-1, SM.1138-3	Territorial restriction An encoding technique shall be used for unedited broadcast transmissions. Power: up to 10 W ERP
1450			P	2	K	Radio news transmission in the framework of land mobile service in the 214-223 MHz band	ITU-R SM.329-12, SM.1045-1, SM.1138-3 ERC/REC 25-10 MSZ EN 300 454-2	
1451			PN			SRD		Annex 3, point 9.1
1452				3	K	Radio determination applications		Annex 3, point 9.7.2
1453				3	K	Radio microphone applications and wireless audio and multimedia streaming applications in the 174-216 MHz band.		Annex 3, point 9.11.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1454	**223-230 MHz**							
1455	BROADCASTING		P	1	K	Terrestrial digital radio broadcasting	GE06 ITU-R BS.1114-11, BS.1660-8 T/R 51-01	Only electronic communications services may be provided in the band.
1456				1	K	T-DAB	ETSI EN 302 077-2, MSZ EN 302 077 MSZ EN 303 345-4	
1457				1	K	DRM	ETSI EN 302 245-2, MSZ EN 302 245 MSZ EN 303 345-5	
1458	Fixed (225-230 MHz)		N	2	K	Military fixed systems		
1459	Mobile (225-230 MHz)	NJE	N	2	K	Military mobile systems		
1460			PN			SRD		Annex 3, point 9.1
1461				3	K	Radio determination applications		Annex 3, point 9.7.2
1462	**230-267 MHz**							
1463	FIXED		N	1	K	Military fixed systems		Annex 4
1464	MOBILE	NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 4
1465	MOBILE-SATELLITE (235-267 MHz)	5.254 NJE RRE	N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
1466		5.256	PN	1	K	Survival craft stations and rescue devices on 243 MHz	ICAO Annex 10, Volume V, Chapter 2	
1467				1	K	EPIRB, ELT	MSZ EN 300 152-2, MSZ EN 300 152-3	
1468		5.111	PN	1	K	Search and rescue operations of manned spacecraft on 243 MHz	RR, Article 31	
1469			PN			SRD		Annex 3, point 9.1
1470				3	K	Radio determination applications		Annex 3, point 9.7.2
1471	**267-312 MHz**							
1472	SPACE OPERATION (space to Earth) (272–273 MHz)		P	1	T	Applications of space operation		
1473	FIXED		N	1	K	Military fixed systems		Annex 4
1474	MOBILE	NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 4
1475	MOBILE-SATELLITE	5.254 NJE RRE	N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
1476	Space operation (space to Earth) (267–272 MHz)		P	2	T	Applications of space operation		
1477			N	3	K	Low power wireless signal, data and speech transmission in the 270.25-275.25 MHz band		Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1478			PN			SRD		Annex 3, point 9.1
1479				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1480	**312-315 MHz**							
1481	FIXED		N	1	K	Military fixed systems		Annex 4
1482	MOBILE	NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 4
1483	MOBILE-SATELLITE	5.254 5.255 NJE RRE	P	1	K	NGSO S-PCS applications not for voice transmission (Earth-space)	ERC/DEC/(99)05, ERC/DEC/(99)06 MSZ EN 301 721	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation. Power density: up to 10 dBW/4 kHz peak EIRP for land stations.
1484			N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
1485			PN			SRD		Annex 3, point 9.1
1486				3	K	Radio determination applications		Annex 3, point 9.7.2
1487	**315-328.6 MHz**							
1488	FIXED	5.149	N	1	K	Military fixed systems		Annex 4
1489	MOBILE	5.149 NJE	N	1	K	Military mobile systems		Annex 3, point 4.1 Annex 4
1490	MOBILE-SATELLITE (315-322 MHz)	5.254 NJE RRE	N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
1491	RADIO ASTRONOMY (322-328.6 MHz)		P	1	K	Radio astronomy applications		
1492			N	3	K	Low power wireless signal, data and speech transmission in the 318.25-328.6 MHz band		Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1493			PN			SRD		Annex 3, point 9.1
1494				3	K	Non-specific applications on the frequency 318 MHz		Annex 3, point 9.2.2
1495				3	K	Radio determination applications		Annex 3, point 9.7.2
1496	**328.6-335.4 MHz**							
1497	AERONAUTICAL RADIONAVIGATION	5.258	E	1	K	ILS glide slope transmitter (ground-air)	ICAO Annex 10, Volume I, Chapter 3, points 3.1.5, 3.1.6 ICAO COM-Table 3 Official frequency list	Channel spacing: 150 kHz or 300 kHz Guard-band: ±0.005%
1498			PN			SRD		Annex 3, point 9.1
1499				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1500	**335.4-399.9 MHz**							
1501	FIXED		N	1	K	Military fixed systems		Annex 4
1502	MOBILE	NJE	N	1	K	Narrowband digital PPDR system in the 380-385/390-395 MHz band	ECC/DEC/(01)19, ECC/DEC/(06)05 ECC/DEC/(08)05 T/R 25-08	Annex 3, point 4.1 Annex 3, point 4.8 Annex 4 May only be used for EDR purposes. Terminals are exempt from individual licensing obligation.
1503				1	K	Military mobile systems in the 335.4-380 MHz, 385-390 MHz and 395-399.9 MHz band		Annex 3, point 4.1 Annex 4
1504	MOBILE-SATELLITE	5.208A 5.208B 5.254 5.255 NJE	P	1	K	NGSO S-PCS space-Earth-directional applications for purposes other than voice transmission in the 387-390 MHz band	ERC/DEC/(99)05, ERC/DEC/(99)06 MSZ EN 301 721	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
1505		RRE	N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
1506			PN			SRD		Annex 3, point 9.1
1507				3	K	Radio determination applications		Annex 3, point 9.7.2
1508	**399.9-400.05 MHz**							
1509	MOBILE-SATELLITE (Earth-space)	5.209 5.220 5.260A 5.260B	P	1	K	NGSO S-PCS non-voice transmission applications	ERC/DEC/(99)05, ERC/DEC/(99)06 MSZ EN 301 721	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
1510			PN			SRD		Annex 3, point 9.1
1511				3	K	Radio determination applications		Annex 3, point 9.7.2
1512	**400.05-400.15 MHz**							
1513	FIXED	5.262	N	1	K	Point-to-point, point-to-multipoint systems		Annex 4
1514	SATELLITE AUTHENTIC FREQUENCY AND CLOCK SIGNAL (400.1 MHz)	5.261	P	1	K	Satellite authentic frequency and clock applications		
1515	MOBILE	5.262	N	1	K	Single-frequency systems		Annex 4 Channel spacing: 12.5 kHz
1516			PN			SRD		Annex 3, point 9.1
1517				3	K	Radio determination applications		Annex 3, point 9.7.2
1518	**400.15-401 MHz**							
1519	METEOROLOGY		E	1	K	Meteorological applications		
1520				1	K	Radio probes	MSZ EN 302 054	
1521	FIXED	5.262	N	1	K	Point-to-point, point-to-multipoint systems		Annex 4
1522	METEOROLOGICAL-SATELLITE (space-Earth)		E	1	K	Meteorological-satellite systems		
1523	MOBILE	5.262	N	1	K	Single-frequency systems		Annex 4
1524	MOBILE-SATELLITE (space-Earth)	5.208A 5.208B 5.209 5.264	P	1	K	NGSO S-PCS non-voice transmission applications	ERC/DEC/(99)05, ERC/DEC/(99)06 MSZ EN 301 721	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
1525	SPACE RESEARCH (space-Earth)	5.263	P	1	K	Space research systems		
1526	Space operation (space to Earth)		P	2	T	Applications of space operation		
1527			PN			SRD		Annex 3, point 9.1
1528				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1529	**401-406 MHz**							
1530	METEOROLOGY	5.265	E	1	K	Meteorological applications		
1531				1	K	Radio probes	MSZ EN 302 054	
1532	SPACE OPERATION (space-Earth) (401-402 MHz)		P	1	K	Applications of space operation		
1533	EARTH EXPLORATION-SATELLITE (Earth-space) (401-403 MHz)	5.264A 5.264B	E	1	K	Applications of Earth exploration-satellite		
1534	METEOROLOGICAL-SATELLITE (Earth-space) (401-403 MHz)	5.264A 5.264B	E	1	K	Meteorological-satellite systems		
1535	Fixed	5.265	N	2	K	Point-to-point, point-to-multipoint systems		
1536	Mobile, except aeronautical mobile	5.265	N	2	K	Single-frequency systems		
1537				2	K	Military mobile systems		
1538			PN			SRD		Annex 3, point 9.1
1539				3	K	Radio determination applications		Annex 3, point 9.7.2
1540				3	K	Active medical implants		Annex 3, point 9.13.1
1541	**406-406.1 MHz**							
1542		5.267						
1543	MOBILE-SATELLITE (Earth-space)	5.265 5.266	E	1	K	Low power satellite EPIRB	RR, Article 34 RR, Appendix 15 ICAO Annex 10: Volume III, Part II, Chapter 5 Volume V, Chapter 2	Row 4 of the table in point 2 of Annex 6 All other transmissions in the band are prohibited.
1544				1	K	ELT		
1545				1	K	Low power (free-float) satellite EPIRB on 406.025 MHz	MSZ EN 300 066	
1546				1	K	PLB	MSZ EN 302152-1	Row 4 of the table in point 2 of Annex 6 All other transmissions in the band are prohibited.
1547			PN			SRD		Annex 3, point 9.1
1548				3	K	Radio determination applications		Annex 3, point 9.7.2
1549	**406.1-410 MHz**							
1550	FIXED	5.149 5.265	N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.4 Annex 4
1551	MOBILE, except aeronautical mobile	5.149 5.265	N	1	K	Single-frequency systems		Annex 3, point 4.9 Annex 4
1552		NJE		1	K	Military mobile systems		
1553	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
1554			N	3	K	Low-power wireless signal, data and speech transmission		Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1555			PN			SRD		Annex 3, point 9.1
1556				3	K	Radio determination applications		Annex 3, point 9.7.2
1557	**410-415 MHz**							
1558	MOBILE, except aeronautical mobile	NJE	N	1	K	Digital PPDR systems in the 410-415/420-425 MHz band		Annex 3, point 4.1 Annex 4 May only be used for EDR purposes. Terminals are exempt from individual licensing obligation.
1559				1	K	Wideband systems	ECC/DEC/(16)02	
1560				1	K	Wider-band systems	ECC/DEC/(08)05	
1561				1	K	Military mobile systems		Annex 4
1562	SPACE RESEARCH (space to space)	5.268	P	1	T	Space research systems		
1563			PN			SRD		Annex 3, point 9.1
1564				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1565	**415-417 MHz**							
1566	FIXED		N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.4 Annex 4
1567	MOBILE, except aeronautical mobile	NJE	N	1	K	Single-frequency and dual-frequency systems		Annex 3, point 4.9 Annex 4
1568				1	K	Military mobile systems		
1569	SPACE RESEARCH (space to space)	5.268	P	1	T	Space research systems		
1570			PN			SRD		Annex 3, point 9.1
1571				3	K	Radio determination applications		Annex 3, point 9.7.2
1572	**417-420 MHz**							
1573	LAND MOBILE		P	1	K	Dual-frequency narrowband digital PMR systems, operating with a relay station, in the 417-420/427-430 MHz band	ECC/DEC/(19)02 T/R 25-08 ETSI EN 300 113, MSZ EN 300 113 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 302 561, MSZ EN 303 035-1 MSZ EN 303 039, MSZ EN 303 758	Annex 3, point 3.1 Annex 3, point 4.9 Annex 4
1574	SPACE RESEARCH (space to space)	5.268	P	1	T	Space research systems		
1575			PN			SRD		Annex 3, point 9.1
1576				3	K	Radio determination applications		Annex 3, point 9.7.2
1577	**420-425 MHz**							
1578	MOBILE, except aeronautical mobile	NJE	N	1	K	Digital PPDR systems in the 410-415/420-425 MHz band		Annex 3, point 4.1 Annex 4 May only be used for EDR purposes. Terminals are exempt from individual licensing obligation.
1579				1	K	Wideband systems	ECC/DEC/(16)02	
1580				1	K	Wider-band systems	ECC/DEC/(08)05	
1581				1	K	Military mobile systems		Annex 4
1582			PN			SRD		Annex 3, point 9.1
1583				3	K	Radio determination applications		Annex 3, point 9.7.2
1584	**425-427 MHz**							
1585	FIXED		N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.4 Annex 4
1586	MOBILE, except aeronautical mobile	NJE	N	1	K	Single-frequency and dual-frequency systems		Annex 3, point 4.9 Annex 4
1587				1	K	Military mobile systems		
1588			PN			SRD		Annex 3, point 9.1
1589				3	K	Radio determination applications		Annex 3, point 9.7.2
1590	**427-430 MHz**							
1591	LAND MOBILE		P	1	K	Dual-frequency narrowband digital PMR systems, operating with a relay station, in the 417-420/427-430 MHz band	ECC/DEC/(19)02 T/R 25-08 ETSI EN 300 113, MSZ EN 300 113 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 302 561, MSZ EN 303 035-1 MSZ EN 303 039, MSZ EN 303 758	Annex 3, point 3.1 Annex 3, point 4.9 Annex 4
1592			PN			SRD		Annex 3, point 9.1
1593				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1594	**430-432 MHz**							
1595	FIXED	5.277	N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.4 Annex 4
1596	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
1597				1	K	Military radiolocation systems		
1598	Amateur		P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
1599			PN			SRD		Annex 3, point 9.1
1600				3	K	Tracking, tracing and data collection applications		Annex 3, point 9.3.1
1601				3	K	Radio determination applications		Annex 3, point 9.7.2
1602	**432-438 MHz**							
1603	AMATEUR		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
1604	FIXED	5.277	N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.4 Annex 4
1605	Amateur-satellite (435-438 MHz)	5.282 RRE	P	2	K	Amateur radio satellite	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
1606	Earth exploration-satellite (active)	5.279A	P	2	K	Applications of active Earth exploration-satellite		
1607			N	3	K	Low-power wireless signal, data and speech transmission		Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1608			PN			SRD		Annex 3, point 9.1
1609				3	K	Non-specific applications in the 433.05–434.79 MHz band		Annex 3, point 9.2.1
1610				3	K	Tracking, tracing and data collection applications		Annex 3, point 9.3.1
1611				3	K	Radio determination applications		Annex 3, point 9.7.2
1612		5.138	PN	-	Ü	ISM applications in the 433.05-434.79 MHz band		
1613	**438-440 MHz**							
1614	FIXED	5.277	N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.4 Annex 4
1615	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
1616				1	K	Military radiolocation systems		
1617	Amateur		P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
1618			PN			SRD		Annex 3, point 9.1
1619				3	K	Tracking, tracing and data collection applications		Annex 3, point 9.3.1
1620				3	K	Radio determination applications		Annex 3, point 9.7.2
1621	**440-442 MHz**							
1622	FIXED		N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.4 Annex 4
1623	MOBILE, except aeronautical mobile	NJE	N	1	K	Single-frequency and dual-frequency systems		Annex 3, point 4.9 Annex 4
1624				1	K	Military mobile systems		
1625	Radiolocation	NJE	N	2	K	Military radiolocation systems		
1626			N	3	K	Low-power wireless signal, data and speech transmission		Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1627			PN			SRD		Annex 3, point 9.1
1628				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1629	**442-445 MHz**							
1630	FIXED		P	1	K	Single and dual frequency, point-to-point and point-to-multi-point systems in the 442-445/447-450 MHz band	T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390	Annex 3, point 2.4 Annex 3, point 3.1 Annex 4
1631	LAND MOBILE		P	1	K	Nomadic differential GPS reference system on 443.48125 MHz	T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.9.1 Annex 4 Nature of radio spectrum use: joint Antenna height above ground: max. 6 m Power: up to 6 W ERP
1632				1	K	Analogue radio paging systems, operating with a base station, on 444.39375 MHz, 444.4 MHz and 444.40625 MHz	ECC/REC/(02)01 MSZ EN 300 224	Annex 3, point 3.1 Annex 3, point 4.9.1 Annex 4 Channel spacing: 12.5 kHz Nature of radio spectrum use: joint Power: - up to 5 W ERP for base stations, - up to 50 mW ERP for portable transponders.
1633				1	K	Single and dual-frequency narrowband analogue and digital PMR systems, operating with a relay station, in the 444.5-445/449.5-450 MHz band	T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 302 561, MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.9 Annex 4
1634			PN			SRD		Annex 3, point 9.1
1635				3	K	Radio determination applications		Annex 3, point 9.7.2
1636	**445-446 MHz**							
1637	FIXED		N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.4 Annex 4
1638	MOBILE, except aeronautical mobile	NJE	N	1	K	Single-frequency and dual-frequency systems		Annex 3, point 4.9 Annex 4
1639				1	K	Military mobile systems		
1640	Radiolocation	NJE	N	2	K	Military radiolocation systems		
1641			N	3	K	Low-power wireless signal, data and speech transmission		Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1642			PN			SRD		Annex 3, point 9.1
1643				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1644	**446-447 MHz**							
1645	FIXED (446.1–447 MHz)		N	1	K	Point-to-point, point-to-multipoint systems		Annex 3, point 2.4 Annex 4
1646	MOBILE, except aeronautical mobile	NJE	N	1	K	Single-frequency and dual-frequency systems in the 446.1–447 MHz band		Annex 3, point 4.9 Annex 4
1647				1	K	Military mobile systems		
1648			P	3	K	Analogue and digital PMR in the framework of land mobile service in the 446-446.2 MHz band	2006/771/EC, (EU) 2022/180 ECC/DEC/(15)05 MSZ EN 303 405	Annex 3, point 4.9.3 Power: up to 500 mW ERP Analogue angle modulation and digital modulation Those techniques shall be used for spectrum access and interference mitigation, which provide an appropriate level of performance to comply with the essential requirements. If the related techniques are described in harmonised standards (or parts thereof) whose references have been published in the Official Journal of the European Union under Directive 2014/53/EU, it must be ensured that the performance is at least equivalent to these techniques. Only handheld equipment shall be used. The use of base stations, relay stations, or fixed infrastructure shall not be allowed. Only integrated antennas shall be used. Exempt from individual licensing obligation.
1649			N	3	K	Low-power wireless signal, data and speech transmission		Channel spacing: max. 25 kHz Power: up to 25 mW ERP Video transmission is not allowed.
1650			PN			SRD		Annex 3, point 9.1
1651				3	K	Radio determination applications		Annex 3, point 9.7.2
1652	**447-450 MHz**							
1653	FIXED		P	1	K	Single and dual frequency, point-to-point and point-to-multipoint systems in the 442-445/447-450 MHz band	T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390	Annex 3, point 2.4 Annex 3, point 3.1 Annex 4
1654	LAND MOBILE		P	1	K	Single and dual-frequency narrowband analogue and digital PMR systems, operating with a relay station, in the 444.5-445/449.5-450 MHz band	T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 302 561, MSZ EN 303 039	Annex 3, point 3.1 Annex 3, point 4.9 Annex 4
1655			PN			SRD		Annex 3, point 9.1
1656				3	K	Radio determination applications		Annex 3, point 9.7.2
1657	**450-457.38 MHz**							
1658	FIXED		P	1	K	Wider-band digital cell system in the 450-457.38/460-467.38 MHz band	ECC/DEC/(19)02 T/R 25-08	Annex 3, point 3.2 Annex 3, point 3.13 Annex 4 Terminals operating exclusively under network control shall be exempt from individual licensing obligation.
1659	LAND MOBILE	5.286AA						
1660			PN			SRD		Annex 3, point 9.1
1661				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1662	**457.38-460 MHz**							
1663	LAND MOBILE	5.286AA	P			Land mobile service systems		Annex 3, point 3.1 Annex 4
1664				1	K	Single and dual frequency analogue PMR systems in the 457.38-458.48/467.38-468.48 MHz band	T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 4.9 The stations of the systems shall not cause harmful interference to railway stations. Equipment with channel spacing of 12.5 and 25 kHz according to the pre-1999 formula in Recommendation T/R 25-08, Section A1.2.1.1, may be in operation until 31 December 2025.
1665				1	K	Analogue railway PMR systems in the 457.38-458.48/467.38-468.48 MHz band	UIC 751-3 MSZ EN 300 086	The stations of the systems shall not cause harmful interference to stations of single- and dual-frequency analogue PMR systems.
1666				1	K	Analogue and digital PMR systems in the 458.48-458.5625 MHz band	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 4.9 Power: - up to 2 W ERP for mobile stations, - up to 1 W ERP for fixed stations. Licensed equipment with channel spacing of 12.5 and 25 kHz according to the pre-1999 formula in Recommendation T/R 25-08, Section A1.2.1.1, may be in operation until 31 December 2026. With such a channel arrangement no new authorisation may be granted and the licence may not be renewed.
1667				1	K	Analogue radio paging systems, operating with a base station, in the 458.48-458.5625 MHz band	ECC/REC/(02)01 T/R 25-08 MSZ EN 300 224	Annex 3, point 4.9 Power: - up to 2 W ERP for base stations, - up to 50 mW ERP for portable transponders. Licensed equipment with channel spacing of 12.5 and 25 kHz according to the pre-1999 formula in Recommendation T/R 25-08, Section A1.2.1.1, may be in operation until 31 December 2026. With such a channel arrangement no new authorisation may be granted and the licence may not be renewed.
1668				1	K	Dual-frequency analogue and digital PMR systems, operating with a relay station, in the 458.5625-460/468.5625-470 MHz band	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 4.9
1669			PN			SRD		Annex 3, point 9.1
1670				3	K	Radio determination applications		Annex 3, point 9.7.2
1671	**460-467.38 MHz**							
1672	FIXED		P	1	K	Wider-band digital cell system in the 450-457.38/460-467.38 MHz band	ECC/DEC/(19)02 T/R 25-08	Annex 3, point 3.2 Annex 3, point 3.13 Annex 4 Terminals operating exclusively under network control shall be exempt from individual licensing obligation.
1673	LAND MOBILE	5.286AA						
1674	Meteorological-satellite (space-Earth)		P	2	K	Meteorological-satellite systems		
1675		5.289	P	2	K	Applications of Earth exploration-satellite for non-meteorological purposes (space-Earth direction)		
1676			PN			SRD		Annex 3, point 9.1
1677				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1678	**467.38-470 MHz**							
1679	LAND MOBILE	5.286AA	P			Land mobile service systems		Annex 3, point 3.1 Annex 4
1680				1	K	Single and dual frequency analogue PMR systems in the 457.38-458.48/467.38-468.48 MHz band	T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 4.9 The stations of the systems shall not cause harmful interference to railway stations. Equipment with channel spacing of 12.5 and 25 kHz according to the pre-1999 formula in Recommendation T/R 25-08, Section A1.2.1.1, may be in operation until 31 December 2025.
1681				1	K	Analogue railway PMR systems in the 457.38-458.48/467.38-468.48 MHz band	UIC 751-3 MSZ EN 300 086	The stations of the systems shall not cause harmful interference to stations of single- and dual-frequency analogue PMR systems.
1682				1	K	Analogue and digital PMR systems in the 468.48-468.5625 MHz band	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 4.9 Power: - up to 2 W ERP for mobile stations, - up to 1 W ERP for fixed stations. Licensed equipment with channel spacing of 12.5 and 25 kHz according to the pre-1999 formula in Recommendation T/R 25-08, Section A1.2.1.1, may be in operation until 31 December 2026. With such a channel arrangement no new authorisation may be granted and the licence may not be renewed.
1683				1	K	Analogue radio paging systems, operating with a base station, in the 468.48-468.5625 MHz band	ECC/REC/(02)01 T/R 25-08 MSZ EN 300 224	Annex 3, point 4.9 Power: - up to 2 W ERP for base stations, - up to 50 mW ERP for portable transponders. Licensed equipment with channel spacing of 12.5 and 25 kHz according to the pre-1999 formula in Recommendation T/R 25-08, Section A1.2.1.1, may be in operation until 31 December 2026. With such a channel arrangement no new authorisation may be granted and the licence may not be renewed.
1684				1	K	Dual-frequency analogue and digital PMR systems, operating with a relay station, in the 458.5625-460/468.5625-470 MHz band	ECC/DEC/(19)02 T/R 25-08 MSZ EN 300 086, ETSI EN 300 113 MSZ EN 300 113, MSZ EN 300 219 MSZ EN 300 296, MSZ EN 300 341 MSZ EN 300 390, MSZ EN 301 166 MSZ EN 303 039	Annex 3, point 4.9
1685	Meteorological-satellite (space-Earth)		P	2	K	Meteorological-satellite systems		
1686		5.289	P	2	K	Applications of Earth exploration-satellite for non-meteorological purposes (space-Earth direction)		
1687			PN			SRD		Annex 3, point 9.1
1688				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1689	**470-608 MHz**							
1690	BROADCASTING (at least until 31 December 2030)		P			Terrestrial digital television broadcasting	GE06 ITU-R BT.419-3, BT.1368-13 (EU) 2017/899 T/R 51-01 MSZ EN 302 296 ETSI EN 303 340, MSZ EN 303 340 MSZ EN 303 354	Only electronic communications services may be provided in the band.
1691				1	K	DVB-T		
1692				1	K	DVB-T2	ITU-R BT.2033-1	
1693			N	2	K	Military fixed systems in the 472-476 MHz band		
1694		NJÖ	N	2	K	Military mobile systems in the 472-476 MHz band		
1695			P			Transmission of radio and television news in the framework of land mobile service	ITU-R SM.329-12, SM.1045-1, SM.1138-3	Territorial restriction An encoding technique shall be used for unedited broadcast transmissions. Power: up to 10 W ERP
1696				2	K	Transmission of television news		
1697				2	K	Transmission of radio news	ERC/REC 25-10 MSZ EN 300 454-2	
1698			PN	3	K	Applications implemented with wireless audio PMSE equipment	(EU) 2017/899 ERC/REC 25-10 MSZ EN 300 422-1	Applications may be used until at least 31 December 2030. Power: up to 50 mW ERP Exempt from individual licensing obligation.
1699			PN			SRD		Annex 3, point 9.1
1700				3	K	Radio determination applications		Annex 3, point 9.7.2
1701				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.2
1702	**608-614 MHz**							
1703	BROADCASTING (at least until 31 December 2030)	5.149	P			Terrestrial digital television broadcasting	GE06 ITU-R BT.419-3, BT.1368-13 (EU) 2017/899 T/R 51-01 MSZ EN 302 296 ETSI EN 303 340, MSZ EN 303 340 MSZ EN 303 354	Only electronic communications services may be provided in the band.
1704				1	K	DVB-T		
1705				1	K	DVB-T2	ITU-R BT.2033-1	
1706	Radio astronomy	5.306	P	2	K	Radio astronomy applications		
1707			P			In the framework of land mobile service, transmission of radio and television news	ITU-R SM.329-12, SM.1045-1, SM.1138-3	Territorial restriction An encoding technique shall be used for unedited broadcast transmissions. Power: up to 10 W ERP
1708				2	K	Transmission of television news		
1709				2	K	Transmission of radio news	ERC/REC 25-10 MSZ EN 300 454-2	
1710			PN	3	K	Applications implemented with wireless audio PMSE equipment	(EU) 2017/899 ERC/REC 25-10 MSZ EN 300 422-1	Applications may be used until at least 31 December 2030. Power: up to 50 mW ERP Exempt from individual licensing obligation.
1711			PN			SRD		Annex 3, point 9.1
1712				3	K	Radio determination applications		Annex 3, point 9.7.2
1713				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2						**Application**	**Document**	**Additional rules**
1714	**614-694 MHz**							
1715	BROADCASTING (at least until 31 December 2030)		P			Terrestrial digital television broadcasting	GE06 ITU-R BT.419-3, BT.1368-13 (EU) 2017/899 T/R 51-01 MSZ EN 302 296 ETSI EN 303 340, MSZ EN 303 340 MSZ EN 303 354	Only electronic communications services may be provided in the band.
1716				1	K	DVB-T		
1717				1	K	DVB-T2	ITU-R BT.2033-1	
1718			P			In the framework of land mobile service, transmission of radio and television news	ITU-R SM.329-12, SM.1045-1, SM.1138-3	Territorial restriction An encoding technique shall be used for unedited broadcast transmissions. Power: up to 10 W ERP
1719				2	K	Transmission of television news		
1720				2	K	Transmission of radio news	ERC/REC 25-10 MSZ EN 300 454-2	
1721			PN	3	K	Applications implemented with wireless audio PMSE equipment	(EU) 2017/899 ERC/REC 25-10 MSZ EN 300 422-1	Applications may be used until at least 31 December 2030. Power: up to 50 mW ERP Exempt from individual licensing obligation.
1722			PN			SRD		Annex 3, point 9.1
1723				3	K	Radio determination applications		Annex 3, point 9.7.2
1724				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.2
1725	**694-790 MHz**							
1726	FIXED	RRE	P	1	K	Terrestrial systems capable of providing electronic communications services in the 708-733/763-788 MHz band	(EU) 2016/687, (EU) 2017/899 ECC/DEC/(15)01, ECC/DEC/(22)01	Annex 3, point 3.2a Annex 3, point 3.4 Annex 3, point 3.13 Annex 4 Terminals are exempt from individual licensing obligation.
1727	MOBILE, except aeronautical mobile	5.312A 5.317A						
1728				1	K	IMT		
1729				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13	
1730				1	K	LTE-MTC	MSZ EN 301 908-14	
1731				1	K	LTE-eMTC	MSZ EN 301 908-15, MSZ EN 301 908-18	
1732				1	K	NB-IoT		
1733				1	K	NR	MSZ EN 301 908-18	
1734				1	T	Terrestrial systems capable of providing electronic communications services in the 703-708/758-763 MHz band	(EU) 2016/687, (EU) 2017/899 ECC/DEC/(15)01	Annex 4
1735			N	1	K	Broadband digital PPDR systems in the 698-703/753-758 MHz, 733-735/788-790 MHz and 735-736/790-791 MHz band	(EU) 2016/687 ECC/DEC/(15)01, ECC/DEC/(16)02	Annex 3, point 3.3 Annex 3, point 4.1 Annex 4 May only be used for EDR purposes. Terminals are exempt from individual licensing obligation.
1736			PN			SRD		Annex 3, point 9.1
1737				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1738	**790-862 MHz**							
1739	FIXED		P	1	K	Terrestrial systems capable of providing electronic communications services	2010/267/EU ECC/DEC/(09)03, ECC/DEC/(22)01	Annex 3, point 3.4 Annex 3, point 3.5 Annex 3, point 3.13 Annex 4 Terminals are exempt from individual licensing obligation.
1740	MOBILE, except aeronautical mobile	5.316B						
1741		5.317A		1	K	IMT		
1742				1	K	UMTS	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18	
1743				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13	
1744				1	K	LTE-MTC	MSZ EN 301 908-14	
1745				1	K	LTE-eMTC	MSZ EN 301 908-15, MSZ EN 301 908-18	
1746				1	K	NB-IoT		
1747				1	K	NR	MSZ EN 301 908-18	
1748			N	1	K	Broadband digital PPDR systems in the 735-736/790-791 MHz band	(EU) 2016/687 ECC/DEC/(15)01, ECC/DEC/(16)02	Annex 3, point 3.3 Annex 3, point 4.1 Annex 4 May only be used for EDR purposes. Terminals are exempt from individual licensing obligation.
1749			PN	3	K	Applications implemented with wireless audio PMSE equipment in the 823–832 MHz band	2014/641/EU ECC/DEC (09)03 Annex 3, point 3.1 ERC/REC 25-10 MSZ EN 300 422-1	Annex 3, point 8.1 Interference mitigation solutions should be applied. Exempt from individual licensing obligation.
1750			PN			SRD		Annex 3, point 9.1
1751				3	K	Radio determination applications		Annex 3, point 9.7.2
1752				3	K	Radio microphone applications and wireless audio and multimedia streaming applications in the 823–832 MHz band		Annex 3, point 9.11.2
1753	**862-870 MHz**							
1754	MOBILE, except aeronautical mobile	5.317A	P					
1755			PN			SRD		Annex 3, point 9.1
1756				3	K	Non-specific applications in the 862–868.6 MHz, 868.7-869.2 MHz, 869.4-869.65 MHz and 869.7-870 MHz band		Annex 3, point 9.2.1 Annex 3, point 9.2.2
1757				3	K	Tracking, tracing and data collection applications in the 865.6–865.8 MHz, 866.2–866.4 MHz, 866.8–867 MHz and 867.4–867.6 MHz bands		Annex 3, point 9.3.1
1758				3	K	Wideband data transmission applications in the 863–868 MHz band		Annex 3, point 9.4.1
1759				3	K	Radio determination applications		Annex 3, point 9.7.2
1760				3	K	Alert applications in the 868.6-868.7 MHz, 869.2-869.4 MHz and 869.65-869.7 MHz band		Annex 3, point 9.8.1
1761				3	K	Radio microphone applications and wireless audio and multimedia streaming applications in the 863–865 MHz band		Annex 3, point 9.11.1 Annex 3, point 9.11.2
1762				3	K	RFID applications in the 865–868 MHz band		Annex 3, point 9.12.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1763	**870-873 MHz**							
1764	LAND MOBILE	NJE	N	1	K	Military telemetry and telecommand systems		Power: up to 2 W ERP
1765				1	K	Military mobile systems		
1766			PN			SRD		Annex 3, point 9.1
1767				3	K	Non-specific applications		Annex 3, point 9.2.2
1768				3	K	Tracking, tracing and data collection applications		Annex 3, point 9.3.2
1769				3	K	Radio determination applications		Annex 3, point 9.7.2
1770	**873-874.4 MHz**							
1771	LAND MOBILE		P					
1772			PN			SRD		Annex 3, point 9.1
1773				3	K	Non-specific applications		Annex 3, point 9.2.2
1774				3	K	Tracking, tracing and data collection applications		Annex 3, point 9.3.1 Annex 3, point 9.3.2
1775				3	K	Radio determination applications		Annex 3, point 9.7.2
1776	**874.4-880 MHz**							
1777	LAND MOBILE		P	1	K	RMR in the 874.4-880/919.4-925 MHz band	(EU) 2021/1730 ECC/DEC/(20)02	Annex 3, point 3.6 Annex 3, points 3.7.9.12 and 3.7.9.13 Annex 4 The band can be used for communication by railway organisations as defined in the Act on Rail Transport. An undertaking designated by the Government shall be entitled to operate the RMR system and to provide electronic communications services. Management mode: block management. Block configuration: the entire band is a user block. Terminals are exempt from individual licensing obligation.
1778				1	K	GSM-R	ECC Report 162, ECC Report 229 MSZ EN 301 502, MSZ EN 301 511 MSZ EN 303 609	Operators of GSM-R and networks in the 880-915/925-960 MHz band are subject to the obligation of mutual harmonisation in accordance with ECC Report 162 and ECC Report 229 before installing their stations. If the operator of a network becomes known at a later stage, the harmonisation shall be carried out ex post and the characteristics of the stations shall be modified in accordance with the agreement concluded. Both parties should take the necessary measures to reduce or avoid interference.
1779				1	K	LTE		
1780				1	K	NB-IoT		
1781				1	K	NR		
1782			PN			SRD		Annex 3, point 9.1
1783				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1784	**880-915 MHz**							
1785	FIXED		P	1	K	Terrestrial systems capable of providing electronic communications services in the 880-915/925-960 MHz band	87/372/EEC, 2009/114/EC (EU) 2022/173 ECC/DEC/(06)13, ECC/DEC/(22)01 ERC/REC 74-01 ECC Report 162, ECC Report 229	Annex 3, point 3.7 Annex 3, point 3.13 Annex 4 Terminals are exempt from individual licensing obligation.
1786	MOBILE, except aeronautical mobile	5.317A						Operators of GSM-R and networks in the 880-915/925-960 MHz band are subject to the obligation of mutual harmonisation in accordance with ECC Report 162 and ECC Report 229 before installing their stations. If the operator of a network becomes known at a later stage, the harmonisation shall be carried out ex post and the characteristics of the stations shall be modified in accordance with the agreement concluded. Both parties should take the necessary measures to reduce or avoid interference.
1787				1	K	GSM	ERC/DEC/(94)01, ERC/DEC/(97)02	Annex 5
1788				1	K	EC-GSM-IoT	MSZ EN 301 502, MSZ EN 301 511 MSZ EN 301 908-18, MSZ EN 303 609	
1789				1	K	IMT		
1790				1	K	UMTS	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18	
1791				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13	
1792				1	K	LTE-MTC	MSZ EN 301 908-14	
1793				1	K	LTE-eMTC	MSZ EN 301 908-15, MSZ EN 301 908-18	
1794				1	K	NB-IoT		
1795				1	K	WiMAX	MSZ EN 301 908-1, MSZ EN 301 908-21 MSZ EN 301 908-22	
1796				1	K	NR	MSZ EN 301 908-18	
1797			PN			SRD		Annex 3, point 9.1
1798				3	K	Radio determination applications		Annex 3, point 9.7.2
1799	**915-918 MHz**							
1800	LAND MOBILE	NJE	N	1	K	Military telemetry and telecommand systems		Power: up to 2 W ERP
1801				1	K	Military mobile systems		A spacing of at least 200 kHz shall be applied between MFCN systems operating in the 880–915 MHz band and the nominal channel edges of non-civil systems.
1802			PN			SRD		Annex 3, point 9.1
1803				3	K	Non-specific applications		Annex 3, point 9.2.2
1804				3	K	Tracking, tracing and data collection applications		Annex 3, point 9.3.1 Annex 3, point 9.3.2
1805				3	K	Wideband data transmission applications in the 915.8–918 MHz band		Annex 3, point 9.4.1 Annex 3, point 9.4.2
1806				3	K	Radio determination applications		Annex 3, point 9.7.2
1807				3	K	RFID applications		Annex 3, point 9.12.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1808	**918-919.4 MHz**							
1809	LAND MOBILE		P					
1810			PN			SRD		Annex 3, point 9.1
1811				3	K	Non-specific applications		Annex 3, point 9.2.2
1812				3	K	Tracking, tracing and data collection applications		Annex 3, point 9.3.1
1813				3	K	Wideband data transmission applications		Annex 3, point 9.4.1
1814				3	K	Radio determination applications		Annex 3, point 9.7.2
1815				3	K	RFID applications		Annex 3, point 9.12.1 Annex 3, point 9.12.2
1816	**919.4-925 MHz**							
1817	LAND MOBILE		P	1	K	RMR in the 874.4-880/919.4-925 MHz band	(EU) 2021/1730 ECC/DEC/(20)02	Annex 3, point 3.6 Annex 3, points 3.7.9.12 and 3.7.9.13 Annex 4 The band can be used for communication by railway organisations as defined in the Act on Rail Transport. An undertaking designated by the Government shall be entitled to operate the RMR system and to provide electronic communications services. Management mode: block management. Block configuration: the entire band is a user block. Terminals are exempt from individual licensing obligation.
1818				1	K	GSM-R	ECC Report 162, ECC Report 229 MSZ EN 301 502, MSZ EN 301 511 MSZ EN 303 609	Operators of GSM-R and networks in the 880-915/925-960 MHz band are subject to the obligation of mutual harmonisation in accordance with ECC Report 162 and ECC Report 229 before installing their stations. If the operator of a network becomes known at a later stage, the harmonisation shall be carried out ex post and the characteristics of the stations shall be modified in accordance with the agreement concluded. Both parties should take the necessary measures to reduce or avoid interference.
1819				1	K	LTE		
1820				1	K	NB-IoT		
1821				1	K	NR		
1822			PN			SRD		Annex 3, point 9.1
1823				3	K	Radio determination applications		Annex 3, point 9.7.2
1824				3	K	RFID applications in the 919.4-921 MHz band		Annex 3, point 9.12.1 Annex 3, point 9.12.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1825	**925-960 MHz**							
1826	FIXED		P	1	K	Terrestrial systems capable of providing electronic communications services in the 880-915/925-960 MHz band	87/372/EEC, 2009/114/EC (EU) 2022/173 ECC/DEC/(06)13, ECC/DEC/(22)01 ERC/REC 74-01 ECC Report 162, ECC Report 229	Annex 3, point 3.7 Annex 3, point 3.13 Annex 4 Terminals are exempt from individual licensing obligation.
1827	MOBILE, except aeronautical mobile	5.317A						Operators of GSM-R and networks in the 880-915/925-960 MHz band are subject to the obligation of mutual harmonisation in accordance with ECC Report 162 and ECC Report 229 before installing their stations. If the operator of a network becomes known at a later stage, the harmonisation shall be carried out ex post and the characteristics of the stations shall be modified in accordance with the agreement concluded. Both parties should take the necessary measures to reduce or avoid interference.
1828				1	K	GSM	ERC/DEC/(94)01, ERC/DEC/(97)02	Annex 5
1829				1	K	EC-GSM-IoT	MSZ EN 301 502, MSZ EN 301 511 MSZ EN 301 908-18, MSZ EN 303 609	
1830				1	K	IMT		
1831				1	K	UMTS	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18	
1832				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13	
1833				1	K	LTE-MTC	MSZ EN 301 908-14	
1834				1	K	LTE-eMTC	MSZ EN 301 908-15, MSZ EN 301 908-18	
1835				1	K	NB-IoT		
1836				1	K	WiMAX	MSZ EN 301 908-1, MSZ EN 301 908-21 MSZ EN 301 908-22	
1837				1	K	NR	MSZ EN 301 908-18	
1838			PN			SRD		Annex 3, point 9.1
1839				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1840	**960-1215 MHz**							
1841	AERONAUTICAL RADIONAVIGATION	5.328 NJE	E	1	K	Determining the attitude of an aircraft (measuring slant range distance) with DME	ICAO Annex 10: Volume I, Chapter 3, point 3.5 Volume I, Chapter 3, Table A Volume I, Annex C, point 7 Volume V, Chapter 4, point 4.3 ICAO COM-Table 3 Official frequency list	Guard-band: ±0.002%
1842				1	K	DME/N for navigation for path approach and landing		coupled with ILS (108-111.975 MHz), with VOR (108-117.975 MHz) or with MLS (5030-5150 MHz)
1843				1	K	DME/P for navigation for landing		coupled with ILS (108-111.975 MHz) or with MLS (5030-5150 MHz)
1844				1	K	SSR on the frequency 1030 MHz and 1090 MHz	ICAO Annex 10, Volume IV, Chapter 3, 4	
1845				1	K	Aircraft interrogator and transponder	MSZ EN 303213-5-1, MSZ EN 303 213-5-2	
1846				1	K	Ground interrogator and transponder	MSZ EN 303 363-1	
1847				1	K	ACAS complementing SSR on 1030 MHz and 1090 MHz		
1848				1	K	Air navigation aids	ICAO Annex 10: Volume I, Chapter 3, Table A Volume I, Annex C, point 7 Volume V, Chapter 4, point 4.3 ICAO COM-Table 3 Official frequency list	Frequency band use: |fa - fv| = 63 MHz Guard-band: ±0.002% Bandwidth/transmission mode: 650KV1A Power: up to 40 dBW EIRP Channel spacing: 1 MHz
1849				1	K	TACAN		
1850	RADIONAVIGATION-SATELLITE (space-Earth) (1164-1215 MHz)	5.328A 5.328B	E	1	K	Applications of satellite radio navigation		Surface power density: max. -121.5 dB(W/m)^2)/MHz
1851				1	K	GNSS	ECC/REC/(10)02 MSZ EN 302 645, MSZ EN 303 413	Relay station for indoor use only.
1852		NJE	N	3	K	JTIDS/MIDS	Military frequency list	Rights of use for radio spectrum may be obtained according to harmonised civil and non-civil radio spectrum management aspects, on the basis of an agreement between the Authority and the aviation authority.
1853			PN			SRD		Annex 3, point 9.1
1854				3	K	Radio determination applications		Annex 3, point 9.7.2
1855	**1215-1240 MHz**							
1856	EARTH EXPLORATION-SATELLITE (active)	5.332	P	1	K	Applications of active Earth exploration-satellite		
1857	RADIOLOCATION	NJE	E	1	K	Radiolocation systems		
1858				1	K	Ground-based primary surveillance radars		
1859				1	K	Wind profile radars	ITU-R RS.1282-0, SM.337-6	
1860				1	K	RASS		
1861				1	K	Military radiolocation systems		
1862	RADIO NAVIGATION	5.331	E	1	K	Ground-based primary surveillance radars		
1863	RADIONAVIGATION-SATELLITE (space-Earth)	5.328B 5.329	E	1	K	Applications of satellite radio navigation		
1864		NJE		1	K	GNSS	ECC/REC/(10)02 MSZ EN 302 645, MSZ EN 303 413	Relay station for indoor use only.
1865				1	K	Military satellite systems		
1866	SPACE RESEARCH (active)	5.332	P	1	T	Systems of active space research		
1867			PN			SRD		Annex 3, point 9.1
1868				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1869	**1240-1300 MHz**							
1870	EARTH EXPLORATION-SATELLITE (active)	5.332 5.335A	P	1	K	Applications of active Earth exploration-satellite		
1871	RADIOLOCATION	NJE	E	1	K	Radiolocation systems		
1872				1	K	Ground-based primary surveillance radars		
1873				1	K	Wind profile radars	ITU-R RS.1282-0, SM.337-6	
1874				1	K	RASS		
1875				1	K	Military radiolocation systems		
1876	RADIO NAVIGATION	5.331	E	1	K	Ground-based primary surveillance radars		
1877	RADIONAVIGATION-SATELLITE (space-Earth)	5.328B 5.329 NJE	E	1	K	Applications of satellite radio navigation		
1878				1	K	GNSS	ECC/REC/(10)02 MSZ EN 302 645, MSZ EN 303 413	Relay station for indoor use only.
1879				1	K	Military satellite systems		
1880	SPACE RESEARCH (active)	5.332 5.335A	P	1	T	Systems of active space research		
1881	Amateur		P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
1882	Amateur satellite (Earth to space) (1260–1270 MHz)	5.282 RRE	P	2	K	Amateur radio satellite		
1883			PN			SRD		Annex 3, point 9.1
1884				3	K	Radio determination applications		Annex 3, point 9.7.2
1885	**1300-1350 MHz**							
1886	RADIOLOCATION	5.149 5.337A NJE	E	1	K	Radiolocation systems		
1887				1	K	Ground-based primary surveillance radars		
1888				1	K	Military radiolocation systems		
1889	AERONAUTICAL RADIONAVIGATION	5.149 5.337	E	1	K	System of ground-based radars and associated airborne transponders		
1890	Radionavigation-satellite (Earth-space)	5.149 5.337A NJE	E	2	K	Applications of satellite radio navigation		
1891				2	K	Military satellite systems		
1892			PN			SRD		Annex 3, point 9.1
1893				3	K	Radio determination applications		Annex 3, point 9.7.2
1894	**1350-1375 MHz**							
1895	FIXED	5.149 5.338A NJE	N	1	K	Point-to-point, point-to-multipoint systems	ECC/DEC/(11)01	Annex 4 Maximum unwanted emission power level in the 1400-1427 MHz band at the station's antenna port: -45 dBW/27 MHz
1896				1	K	Military fixed systems		
1897	MOBILE	5.149 5.338A NJE	N	1	K	Single-frequency and dual-frequency systems	ECC/DEC/(11)01	Maximum unwanted emission power level in the 1400-1427 MHz band at the station's antenna port: -60 dBW/27 MHz
1898				1	K	Military mobile systems		
1899	RADIOLOCATION	5.149 5.338A NJE	E	1	K	Ground-based primary surveillance radars	ECC/DEC/(11)01	Maximum unwanted emission power level, averaged over a period of 5 seconds, in the 1400-1427 MHz band at the station's antenna port: -29 dBW/27 MHz
1900				1	K	Military radiolocation systems		
1901	Earth exploration-satellite (passive) (1370-1375 MHz)	5.339	P	2	K	Applications of passive Earth exploration-satellite		
1902	Space research (passive) (1370-1375 MHz)	5.339	P	2	K	Systems of passive space research		
1903			N	3	K	Low-performance wireless data and video transmission		Power: max. 10 mW EIRP
1904			PN			SRD		Annex 3, point 9.1
1905				3	K	Radio determination applications		Annex 3, point 9.7.2
1906				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1907	**1375-1400 MHz**							
1908	FIXED	5.149 5.338A	P					
1909		5.149	N	1	K	Point-to-point, point-to-multipoint systems	ECC/DEC/(11)01	Annex 4
1910		5.338A NJE		1	K	Military fixed systems		Maximum unwanted emission power level in the 1400-1427 MHz band at the station's antenna port: -45 dBW/27 MHz
1911	MOBILE	5.149 5.338A	P					
1912		5.149	N	1	K	Single-frequency and dual-frequency systems	ECC/DEC/(11)01	Maximum unwanted emission power level in the 1400-1427 MHz band at the station's antenna port: -60 dBW/27 MHz
1913		5.338A NJE		1	K	Military mobile systems		
1914	Earth exploration-satellite (passive)	5.339	P	2	K	Applications of passive Earth exploration-satellite		
1915	Space research (passive)	5.339	P	2	K	Systems of passive space research		
1916			PN			SRD		Annex 3, point 9.1
1917				3	K	Radio determination applications		Annex 3, point 9.7.2
1918				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.2
1919	**1400-1427 MHz**							
1920		5.340					ECC/DEC/(11)01	
1921	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
1922	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
1923	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
1924		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
1925			PN			SRD		Annex 3, point 9.1
1926				3	K	Radio determination applications		Annex 3, point 9.7.2
1927	**1427-1452 MHz**							
1928	SPACE OPERATION (Earth to space) (1427–1429 MHz)	5.338A	P	1	T	Applications of space operation		
1929	FIXED	5.338A	P	1	K	Terrestrial systems capable of providing electronic communications services	(EU) 2015/750, (EU) 2018/661 ECC/DEC/(17)06, ECC/DEC/(22)01	Annex 3, point 3.8 Annex 3, point 3.13 Annex 4 Terminals are exempt from individual licensing obligation.
1930	MOBILE, except aeronautical mobile	5.338A						
1931		5.341A		1	K	IMT		
1932				1	K	LTE		
1933		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
1934			PN			SRD		Annex 3, point 9.1
1935				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1936	**1452-1492 MHz**							
1937	FIXED MOBILE, except aeronautical mobile		P	1	K	Terrestrial systems capable of providing electronic communications services	(EU) 2015/750, (EU) 2018/661 ECC/DEC/(13)03, ECC/DEC/(22)01 CEPT Report 54 Annex 3, point 3.8	Annex 3, point 3.13 Annex 4 Terminals are exempt from individual licensing obligation.
1938				1	K	IMT		
1939				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13 MSZ EN 301 908-14 MSZ EN 301 908-15, MSZ EN 301 908-18	
1940		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
1941			PN			SRD		Annex 3, point 9.1
1942				3	K	Radio determination applications		Annex 3, point 9.7.2
1943	**1492-1525 MHz**							
1944	FIXED	NJE	N	1	K	Point-to-point, point-to-multipoint systems		Annex 4
1945				1	K	Military fixed systems		
1946	MOBILE, except aeronautical mobile	NJE	N	1	K	Single-frequency and dual-frequency systems		
1947				1	K	Military mobile systems		
1948	MOBILE-SATELLITE (space-Earth) (1518-1525 MHz)	5.348 5.348A 5.348B 5.351A	P	1	K	Mobile-satellite service systems	ECC/DEC/(04)09, ECC/DEC/(12)01 MSZ EN 300 487, MSZ EN 301 444 MSZ EN 301 473, MSZ EN 301 681	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
1949		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
1950			N	3	K	Low-performance wireless data and video transmission in the 1492-1518 MHz band		Power: max. 10 mW EIRP
1951			PN			SRD		Annex 3, point 9.1
1952				3	K	Radio determination applications		Annex 3, point 9.7.2
1953				3	K	Radio microphone applications and wireless audio and multimedia streaming applications		Annex 3, point 9.11.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1954	**1525-1559 MHz**							
1955	SPACE OPERATION (space to Earth) (1525–1535 MHz)	5.351	P	1	K	Applications of space operation		
1956	MOBILE-SATELLITE (space-Earth)	5.208B 5.351 5.351A 5.352A 5.353A 5.354 5.356 5.357A	P	1	K	Mobile-satellite service systems in the 1525-1544 MHz and 1545-1559 MHz band	ECC/DEC/(12)01 MSZ EN 300 487, MSZ EN 301 426 MSZ EN 301 444, MSZ EN 301 473 MSZ EN 301 681	Annex 3, point 6.4 Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
1957				1	K	SUT		
1958				1	K	Thuraya		
1959				1	K	Inmarsat		
1960				1	K	Aerospace systems for joint speech and data transmission of aircraft in the 1545-1555 MHz band	ICAO Annex 10, Volume III, Part I, Chapter 4, Annex A MSZ EN 301 473	The technical parameters of the stations installed on board aircraft shall meet the requirements of the associated satellite operator. Terminals are exempt from individual licensing obligation.
1961				1	K	Inmarsat-Aero		
1962				1	K	GMDSS: distress, emergency and safety systems in 1530-1544 MHz band	RR, Article 31 RR, Appendix 15	GMDSS disaster, emergency and safety messages are a priority in the use of the band.
1963				1	K	Distress and safety systems in the 1544-1545 MHz band	RR, Article 31 RR, Appendix 15 ICAO Annex 10, Volume III, Part I, Chapter 4	All other transmissions in the band are prohibited.
1964	Earth exploration-satellite (1525-1535 MHz)	5.351	E	2	K	Applications of Earth exploration-satellite		
1965		5.357	P	1	K	Transmissions in the framework of the aeronautical mobile (R) service directly from a ground-based air traffic station to an aircraft station or between aircraft stations to extend or complement satellite-to-aircraft connections in the 1545-1555 MHz band	ICAO Annex 10, Volume III, Part I, Chapter 4, Annex A	
1966		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
1967			PN			SRD		Annex 3, point 9.1
1968				3	K	Radio determination applications		Annex 3, point 9.7.2
1969	**1559-1610 MHz**							
1970	AERONAUTICAL RADIONAVIGATION		E	1	K	System of airborne electronic aids for aeronautical navigation and associated ground-based radionavigation facilities		
1971	RADIONAVIGATION-SATELLITE (space-Earth)	5.208B 5.328B	E	1	K	Applications of satellite radio navigation		
1972				1	K	GNSS	ECC/REC/(10)02 MSZ EN 302 645, MSZ EN 303 413	Relay station for indoor use only.
1973		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
1974			PN			SRD		Annex 3, point 9.1
1975				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1976	**1610-1613.8 MHz**							
1977	MOBILE-SATELLITE (Earth-space)	5.149 5.351A 5.364 5.368 5.372	P	1	K	Mobile-satellite service systems	ECC/DEC/(09)02, ECC/DEC/(12)01 MSZ EN 301 441, MSZ EN 301 473	Annex 3, point 6.4 Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation. Rights of use for radio spectrum may not be obtained for a station other than a terminal.
1978				1	K	Globalstar		
1979				1	K	Iridium		
1980	RADIO ASTRONOMY (1610.6-1613.8 MHz)		P	1	K	Radio astronomy applications		
1981	AERONAUTICAL RADIONAVIGATION	5.149 5.366	E	1	K	System of airborne electronic aids for aeronautical navigation and associated ground-based radionavigation facilities in direct connection therewith		
1982	Radio determination-satellite (Earth-space)	5.149 5.364 5.368 5.371 5.372	E	2	K	Radio determination-satellite service applications		
1983		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
1984			PN			SRD		Annex 3, point 9.1
1985				3	K	Radio determination applications		Annex 3, point 9.7.2
1986	**1613.8-1621.35 MHz**							
1987	MOBILE-SATELLITE (Earth-space)	5.351A 5.364 5.368 5.372	P	1	K	Mobile-satellite service systems	ECC/DEC/(09)02, ECC/DEC/(09)04 ECC/DEC/(12)01 MSZ EN 301 441, MSZ EN 301 473	Annex 3, point 6.4 Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation. Rights of use for radio spectrum may not be obtained for a station other than a terminal.
1988				1	K	Globalstar in the 1613.8-1621.35 MHz band		
1989	AERONAUTICAL RADIONAVIGATION	5.366	E	1	K	System of airborne electronic aids to aeronautical navigation and associated ground-based radionavigation facilities in direct connection therewith		
1990	Mobile-satellite (space-Earth)	5.208B 5.364 5.365 5.368 5.372	P	2	K	Mobile-satellite service systems	ECC/DEC/(09)02, ECC/DEC/(12)01 MSZ EN 301 441, MSZ EN 301 473	Annex 3, point 6.4 Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation. Rights of use for radio spectrum may not be obtained for a station other than a terminal.
1991				2	K	Iridium		
1992	Radio determination-satellite (Earth-space)	5.364 5.368 5.371 5.372	E	2	K	Radio determination-satellite service applications		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
1993		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
1994			PN			SRD		Annex 3, point 9.1
1995				3	K	Radio determination applications		Annex 3, point 9.7.2
1996	**1621.35-1626.5 MHz**							
1997	MARITIME MOBILE-SATELLITE (space to Earth)	5.208B 5.364 5.365 5.368 5.372 5.373 5.373A	P	1	T	Maritime mobile-satellite service systems		
1998	MOBILE-SATELLITE (Earth-space)	5.351A 5.364 5.368 5.372	P	1	K	Mobile-satellite service systems	ECC/DEC/(09)02, ECC/DEC/(09)04 ECC/DEC/(12)01 MSZ EN 301 441, MSZ EN 301 473	Annex 3, point 6.4 Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation. Rights of use for radio spectrum may not be obtained for a station other than a terminal.
1999	AERONAUTICAL RADIONAVIGATION	5.366	E	1	K	System of airborne electronic aids to aeronautical navigation and associated ground-based radionavigation facilities in direct connection therewith		
2000	Mobile-satellite (space-Earth), except maritime mobile-satellite (space to Earth)	5.208B 5.364 5.365 5.368 5.372	P	2	K	Mobile-satellite service systems	ECC/DEC/(09)02, ECC/DEC/(12)01 MSZ EN 301 441, MSZ EN 301 473	Annex 3, point 6.4 Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation. Rights of use for radio spectrum may not be obtained for a station other than a terminal.
2001				2	K	Iridium		
2002	Radio determination-satellite (Earth-space)	5.364 5.368 5.371 5.372	E	2	K	Radio determination-satellite service applications		
2003		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
2004			PN			SRD		Annex 3, point 9.1
2005				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2006	**1626.5-1660.5 MHz**							
2007	MOBILE-SATELLITE (Earth-space)	5.149 5.351 5.351A 5.353A 5.354 5.357A	P	1	K	Mobile-satellite service systems in the 1626.5-1645.5 MHz and 1646.5-1660.5 MHz band	ECC/DEC/(12)01 MSZ EN 301 426, MSZ EN 301 444 MSZ EN 301 473, MSZ EN 301 681	Annex 3, point 6.4 Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
2008		5.374 5.376A		1	K	SUT		
2009				1	K	Thuraya		
2010				1	K	Inmarsat		
2011				1	K	Aerospace communication systems for joint speech and data transmission of aircraft in the 1646.5-1656.5 MHz band	ICAO Annex 10, Volume III, Part I, Chapter 4, Annex A MSZ EN 301 473	The technical parameters of the stations installed on board aircraft shall meet the requirements of the associated satellite operator. Terminals are exempt from individual licensing obligation.
2012				1	K	Inmarsat-Aero		
2013				1	K	GMDSS: distress, emergency and safety systems in the 1626.5-1645.5 MHz band	RR, Article 31 RR, Appendix 15	GMDSS disaster, emergency and safety messages are a priority in the use of the band.
2014				1	K	Distress and safety systems in the 1645.5-1646.5 MHz band	RR, Article 34 ICAO Annex 10, Volume III, Part I, Chapter 4	All other transmissions in the band are prohibited.
2015	RADIO ASTRONOMY (1660-1660.5 MHz)		P	1	K	Radio astronomy applications		
2016		5.376	P	1	K	Transmissions from an aircraft station directly to a ground-based air traffic station or between aircraft stations in the framework of the aeronautical mobile (R)service to extend or complement aircraft-satellite connections in the 1646.5-1656.5 MHz band	ICAO Annex 10, Volume III, Part I, Chapter 4, Annex A	
2017		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
2018			PN			SRD		Annex 3, point 9.1
2019				3	K	Radio determination applications		Annex 3, point 9.7.2
2020				3	K	Radio microphone applications and wireless audio and multimedia streaming applications in the 1656.5–1660.5 MHz band		Annex 3, point 9.11.2
2021	**1660.5-1668.4 MHz**							
2022		5.149 5.379A						
2023	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
2024	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
2025		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
2026			PN			SRD		Annex 3, point 9.1
2027				3	K	Radio determination applications		Annex 3, point 9.7.2
2028	**1668.4-1670 MHz**							
2029		5.149						
2030	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
2031		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
2032			PN			SRD		Annex 3, point 9.1
2033				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2034	**1670-1675 MHz**							
2035	METEOROLOGICAL-SATELLITE (space-Earth)		E	1	K	Meteorological-satellite systems		
2036	MOBILE	RRE	N	2	K	Military mobile systems		
2037	MOBILE-SATELLITE (Earth-space)	5.351A 5.379B 5.379D 5.380A	P	1	K	Mobile-satellite service systems	ECC/DEC/(04)09, ECC/DEC/(12)01 MSZ EN 301 444, MSZ EN 301 473 MSZ EN 301 681	Annex 3, point 6.4 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
2038		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
2039			PN			SRD		Annex 3, point 9.1
2040				3	K	Radio determination applications		Annex 3, point 9.7.2
2041	**1675-1690 MHz**							
2042	METEOROLOGY		E	1	K	Meteorological applications		
2043				1	K	Radio probes	MSZ EN 302 454	
2044	FIXED	NJE	N	1	K	Military fixed systems		
2045	METEOROLOGICAL-SATELLITE (space-Earth)		E	1	K	Meteorological-satellite systems		
2046	MOBILE (1675–1676 MHz)	NJE RRE	N	2	K	Military mobile systems		
2047	MOBILE, excluding aeronautical mobile (1676–1690 MHz)	NJE	N	2	K	Military mobile systems		
2048		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
2049			PN			SRD		Annex 3, point 9.1
2050				3	K	Radio determination applications		Annex 3, point 9.7.2
2051	**1690-1710 MHz**							
2052	METEOROLOGY (1690-1700 MHz)		E	1	K	Meteorological applications		
2053	METEOROLOGICAL-SATELLITE (space-Earth)		E	1	K	Meteorological-satellite systems		
2054	Fixed	NJE	N	2	K	Military fixed systems		
2055	Mobile, except aeronautical mobile	NJE	N	2	K	Military mobile systems		
2056		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
2057		5.289	P	2	K	Applications of Earth exploration-satellite for non-meteorological purposes (space-Earth direction)		
2058			PN			SRD		Annex 3, point 9.1
2059				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2060	**1710-1785 MHz**							
2061	FIXED	5.149	P	1	K	Terrestrial systems capable of providing electronic communications services in the 1710-1785/1805-1880 MHz band	(EU) 2022/173 ECC/DEC/(06)13, ECC/DEC/(22)01 ERC/REC 74-01	Annex 3, point 3.7 Annex 3, point 3.13 Annex 4
2062	MOBILE, except aeronautical mobile	5.149 5.384A						Terminals are exempt from individual licensing obligation.
2063				1	K	GSM	ERC/DEC/(95)03	Annex 5
2064				1	K	EC-GSM-IoT	MSZ EN 301 502, MSZ EN 301 511 MSZ EN 301 908-18, MSZ EN 303 609	
2065				1	K	IMT		
2066				1	K	UMTS	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18	
2067				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13	
2068				1	K	LTE-MTC	MSZ EN 301 908-14	
2069				1	K	LTE-eMTC	MSZ EN 301 908-15, MSZ EN 301 908-18	
2070				1	K	NB-IoT		
2071				1	K	WiMAX	MSZ EN 301 908-1, MSZ EN 301 908-21 MSZ EN 301 908-22	
2072				1	K	NR	MSZ EN 301 908-18	
2073	Radio astronomy (1718.8-1722.2 MHz)	5.385	P	2	K	Radio astronomy applications		
2074		5.341	P	1	K	Passive research of intentional transmissions from extraterrestrial sources in the 1710-1727 MHz band		
2075			P			MCA systems in the framework of mobile service in the 1710-1785/1805-1880 MHz band	2008/294/EC, 2013/654/EU, (EU) 2016/2317, (EU) 2022/2324 2008/295/EC ECC/DEC/(06)07 MSZ EN 301 908-18	Annex 3, point 4.10 Exempt from individual licensing obligation.
2076				3	K	GSM 1800	MSZ EN 301 502, MSZ EN 301 511 MSZ EN 302 480	Annex 5
2077				3	K	LTE 1800	MSZ EN 301 908-1, MSZ EN 301 908-13 MSZ EN 301 908-14; MSZ EN 301 908-15 MSZ EN 302 480	
2078				3	K	Non-AAS NR 1800		
2079			PN			SRD		Annex 3, point 9.1
2080				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2081	**1785-1805 MHz**							
2082	FIXED	NJE	N	1	T	Military fixed systems		
2083	MOBILE	NJE	E	1	T	Military telemetry and telecommand systems in the 1785–1790 MHz and 1800–1805 MHz bands		
2084				1	T	Military mobile systems in the 1785–1790 MHz and 1800–1805 MHz bands		
2085				1	K	Military telemetry and telecommand systems in the 1790–1800 MHz band		Territorial restriction The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2086				1	K	Military mobile systems in the 1790–1800 MHz band		
2087			PN	3	K	Applications implemented with wireless audio PMSE equipment	2014/641/EU ERC/REC 25-10 MSZ EN 300 422-1, MSZ EN 301 357	Annex 3, point 8.2 Interference mitigation solutions should be applied. Exempt from individual licensing obligation.
2088			PN			SRD		Annex 3, point 9.1
2089				3	K	Radio determination applications		Annex 3, point 9.7.2
2090				3	K	Radio microphone applications and wireless audio and multimedia streaming applications in the 1785–1804.8 MHz band		Annex 3, point 9.11.2
2091	**1805-1880 MHz**							
2092	FIXED		P	1	K	Terrestrial systems capable of providing electronic communications services in the 1710-1785/1805-1880 MHz band	(EU) 2022/173 ECC/DEC/(06)13, ECC/DEC/(22)01 ERC/REC 74-01	Annex 3, point 3.7 Annex 3, point 3.13 Annex 4 Terminals are exempt from individual licensing obligation.
2093	MOBILE, except aeronautical mobile	5.384A						
2094				1	K	GSM	ERC/DEC/(95)03	Annex 5
2095				1	K	EC-GSM-IoT	MSZ EN 301 502, MSZ EN 301 511 MSZ EN 301 908-18, MSZ EN 303 609	
2096				1	K	IMT		
2097				1	K	UMTS	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18	
2098				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13	
2099				1	K	LTE-MTC	MSZ EN 301 908-14	
2100				1	K	LTE-eMTC	MSZ EN 301 908-15, MSZ EN 301 908-18	
2101				1	K	NB-IoT		
2102				1	K	WiMAX	MSZ EN 301 908-1, MSZ EN 301 908-21 MSZ EN 301 908-22	
2103				1	K	NR	MSZ EN 301 908-18	
2104			P			MCA systems in the framework of mobile service in the 1710-1785/1805-1880 MHz band	2008/294/EC, 2013/654/EU, (EU) 2016/2317, (EU) 2022/2324 2008/295/EC ECC/DEC/(06)07 MSZ EN 301 908-18	Annex 3, point 4.10 Exempt from individual licensing obligation.
2105				3	K	GSM 1800	MSZ EN 301 502, MSZ EN 301 511 MSZ EN 302 480	Annex 5
2106				3	K	LTE 1800	MSZ EN 301 908-1, MSZ EN 301 908-13 MSZ EN 301 908-14; MSZ EN 301 908-15 MSZ EN 302 480	
2107				3	K	Non-AAS NR 1800		
2108			PN			SRD		Annex 3, point 9.1
2109				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2110	**1880-1900 MHz**							
2111	FIXED	5.388	P	1	K	DECT: digital radio subscriber access applications	91/287/EEC ERC/DEC/(94)03, ERC/DEC/(98)22 MSZ EN 301 406	Annex 5 Electronic communications service may be provided in the band. A station meeting the requirements of Decision ERC/DEC/(98)22 is exempted from individual licensing obligation.
2112	MOBILE	5.384A 5.388	P			DECT	91/287/EEC ERC/DEC/(94)03, ERC/DEC/(98)22 MSZ EN 301 406	Annex 5 Electronic communications service may be provided in the band. A station meeting the requirements of Decision ERC/DEC/(98)22 is exempted from individual licensing obligation.
2113				1	K	Digital CT application		
2114				1	K	Digital wireless sub-centre application		
2115				1	K	Applications of digital electronic communications services		
2116			PN			SRD		Annex 3, point 9.1
2117				3	K	Radio determination applications		Annex 3, point 9.7.2
2118	**1900-1980 MHz**							
2119	FIXED MOBILE	5.388	P	1	T	RMR in the 1900-1910 MHz band	(EU) 2021/1730 ECC/DEC/(20)02	
2120				1	T	European harmonised applications in the 1910-1920 MHz band		
2121				1	K	Terrestrial systems capable of providing electronic communications services in the 1920-1980/2110-2170 MHz band	2012/688/EU, (EU) 2020/667 ECC/DEC/(06)01, ECC/DEC/(22)01	Annex 3, point 3.4 Annex 3, point 3.9 Annex 3, point 3.13 Annex 4 Terminals are exempt from individual licensing obligation.
2122				1	K	IMT		
2123				1	K	UMTS	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18	
2124				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13 MSZ EN 301 908-14 MSZ EN 301 908-15, MSZ EN 301 908-18	
2125				1	K	LTE-MTC		
2126				1	K	LTE-eMTC		
2127				1	K	NB-IoT		
2128				1	K	NR	MSZ EN 301 908-18	
2129			P			MCA systems in the framework of mobile service in the 1920-1980/2110-2170 MHz band	2008/294/EC, 2013/654/EU, (EU) 2016/2317, (EU) 2022/2324 2008/295/EC ECC/DEC/(06)07	Annex 3, point 4.10 Exempt from individual licensing obligation.
2130				3	K	UMTS 2100	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18, MSZ EN 302 480	
2131			PN			SRD		Annex 3, point 9.1
2132				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2133	**1980-2010 MHz**							
2134	MOBILE	5.388	P					
2135	MOBILE-SATELLITE (Earth-space)	5.351A 5.388 5.389A	P	1	K	2 GHz mobile-satellite service systems	2007/98/EC, 626/2008/EC, 2009/449/EC ECC/DEC/(06)09, ECC/DEC/(12)01 MSZ EN 301 473, MSZ EN 302 574-2 MSZ EN 302 574-3	Annex 3, point 6.3 User stations are exempted from individual licensing obligation, except for user stations on board aircraft.
2136				1	K	Satellite component		
2137				1	K	CGC	MSZ EN 302 574-1	
2138			PN			SRD		Annex 3, point 9.1
2139				3	K	Radio determination applications		Annex 3, point 9.7.2
2140	**2010-2025 MHz**							
2141	FIXED MOBILE	5.388	P	1	T	IMT		
2142			PN	3	K	Video transmission PMSE applications	(EU) 2016/339 ERC/REC 25-10 ETSI EN 302 064-2, MSZ EN 302 064	Annex 3, point 8.3 Exempt from individual licensing obligation.
2143			PN			SRD		Annex 3, point 9.1
2144				3	K	Radio determination applications		Annex 3, point 9.7.2
2145	**2025-2110 MHz**							
2146	SPACE OPERATION (Earth to space) (space to space)	5.392	P	1	K	Applications of space operation		
2147	EARTH EXPLORATION-SATELLITE (Earth-space) (space to space)	5.392	P	1	K	Applications of Earth exploration-satellite		
2148	MOBILE (2025-2070 MHz)	5.391 NJE	N	1	K	Single-frequency and dual-frequency systems		Rights of use for radio spectrum may also be obtained for extended spectrum systems.
2149				1	K	Telemetry and telecommand systems		
2150				1	K	Military mobile systems		
2151	SPACE RESEARCH (Earth-space) (space to space)	5.392	P	1	K	Space research systems		
2152	Fixed (2070-2110 MHz)	NJE	E	2	K	2 GHz digital point-to-point systems	ITU-R F.1191-3 Recommendation T/R 13-01, point 3 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
2153				2	K	Military fixed systems		
2154			PN			SRD		Annex 3, point 9.1
2155				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2156	**2110-2170 MHz**							
2157	FIXED MOBILE	5.388	P	1	K	Terrestrial systems capable of providing electronic communications services in the 1920-1980/2110-2170 MHz band	2012/688/EU, (EU) 2020/667 ECC/DEC/(06)01, ECC/DEC/(22)01	Annex 3, point 3.4 Annex 3, point 3.9 Annex 3, point 3.13 Annex 4 Terminals are exempt from individual licensing obligation.
2158				1	K	IMT		
2159				1	K	UMTS	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18	
2160				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13	
2161				1	K	LTE-MTC	MSZ EN 301 908-14	
2162				1	K	LTE-eMTC	MSZ EN 301 908-15, MSZ EN 301 908-18	
2163				1	K	NB-IoT		
2164				1	K	NR	MSZ EN 301 908-18	
2165	SPACE RESEARCH (deep space) (Earth-space) (2110-2120 MHz)	5.388	P	1	T	Space research systems		
2166			P			MCA systems in the framework of mobile service in the 1920-1980/2110-2170 MHz band	2008/294/EC, 2013/654/EU, (EU) 2016/2317, (EU) 2022/2324 2008/295/EC ECC/DEC/(06)07	Annex 3, point 4.10 Exempt from individual licensing obligation.
2167				3	K	UMTS 2100	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18, MSZ EN 302 480	
2168			PN			SRD		Annex 3, point 9.1
2169				3	K	Radio determination applications		Annex 3, point 9.7.2
2170	**2170-2200 MHz**							
2171	MOBILE	5.388	P					
2172	MOBILE-SATELLITE (space-Earth)	5.351A 5.388 5.389A	P	1	K	2 GHz mobile-satellite service systems	2007/98/EC, 626/2008/EC, 2009/449/EC ECC/DEC/(06)09, ECC/DEC/(12)01 MSZ EN 301 473, MSZ EN 302 574-2 MSZ EN 302 574-3	Annex 3, point 6.3 User stations are exempted from individual licensing obligation, except for user stations on board aircraft.
2173				1	K	Satellite component		
2174				1	K	CGC	ECC/REC/(10)01 MSZ EN 302 574-1	
2175	Radiolocation	RRE	N	2	K	Radiolocation systems		
2176				2	K	Meteorological radars		
2177			PN			SRD		Annex 3, point 9.1
2178				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2179	**2200-2290 MHz**							
2180	SPACE OPERATION (space-Earth) (space to space)	5.392	P	1	K	Applications of space operation		
2181	EARTH EXPLORATION-SATELLITE (space-Earth) (space to space)	5.392	P	1	K	Applications of Earth exploration-satellite	ECC/REC/(10)01	Rights of use for radio spectrum may be obtained after civil and non-civil radio spectrum management aspects are harmonised.
2182	MOBILE (2200-2245 MHz)	5.391 NJE	N	1	K	Single-frequency and dual-frequency systems		
2183				1	K	Telemetry and telecommand systems		
2184				1	K	Military mobile systems		
2185	RADIOLOCATION	RRE	N	1	K	Radiolocation systems		
2186				1	K	Meteorological radars		
2187	SPACE RESEARCH (space-Earth) (space to space)	5.392	P	1	K	Space research systems		
2188	Fixed (2245-2290 MHz)	NJE	E	2	K	2 GHz digital point-to-point systems	ITU-R F.1191-3 Recommendation T/R 13-01, point 3 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
2189				2	K	Military fixed systems		
2190			N	3	K	Low-power wireless broadband data transmission in the 2245-2290 MHz band		Power: max. 100 mW EIRP Duty cycle: ≤ 100 %
2191			PN			SRD		Annex 3, point 9.1
2192				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2193	**2290-2300 MHz**							
2194	RADIOLOCATION	RRE	N	1	K	Radiolocation systems		
2195				1	K	Meteorological radars		
2196	SPACE RESEARCH (deep space) (space-Earth)		P	1	T	Space research systems		
2197			N	3	K	Low-power wireless broadband data transmission		Power: max. 100 mW EIRP Duty cycle: ≤ 100 %
2198			PN			SRD		Annex 3, point 9.1
2199				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2200	**2300-2370 MHz**							
2201	FIXED		P	1	T	Terrestrial electronic communications networks	ECC/DEC/(14)02	
2202	MOBILE	5.384A						
2203				1	T	IMT		
2204				1	T	BWA		
2205				1	T	WiMAX		
2206				1	T	WiBro		
2207				1	T	LTE		
2208				1	T	NR		
2209	Amateur		P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
2210			PN			SRD		Annex 3, point 9.1
2211				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2212	**2370-2400 MHz**							
2213	FIXED		N	1	K	Terrestrial electronic communications networks	ECC/DEC/(14)02, ECC/DEC/(22)01	Annex 3, point 3.10 Terminals are exempt from individual licensing obligation.
2214	MOBILE	5.384A NJE						
2215				1	K	BWA		
2216				1	K	WiMAX		
2217				1	K	WiBro		
2218				1	K	LTE		
2219				1	K	NR		
2220				1	K	Military telemetry and telecommand systems	ERC/REC 62-02	
2221				1	K	Military mobile systems		
2222	Amateur		P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
2223			N	3	K	Low-power wireless broadband data transmission		Power: max. 100 mW EIRP Duty cycle: ≤ 100 %
2224			PN			SRD		Annex 3, point 9.1
2225				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2226	**2400-2450 MHz**							
2227	Amateur	5.150	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
2228	Amateur-satellite	5.150 5.282 RRE	P	2	K	Amateur radio-satellite		
2229			N	3	K	Low-power wireless broadband data transmission		Power: max. 100 mW EIRP Duty cycle: ≤ 100 %
2230			PN			SRD		Annex 3, point 9.1
2231				3	K	Non-specific applications		Annex 3, point 9.2.1
2232				3	K	Wideband data transmission applications		Annex 3, point 9.4.1 Electronic communications service may be provided in the band.
2233				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2234				3	K	RFID applications in the 2446–2450 MHz band		Annex 3, point 9.12.1 Annex 3, point 9.12.2
2235		5.150	PN	-	Ü	ISM applications		
2236	**2450-2483.5 MHz**							
2237	FIXED	5.150	E					
2238	MOBILE	5.150	E					
2239	Radiolocation	5.150	E					
2240			N	3	K	Low-power wireless broadband data transmission		Power: max. 100 mW EIRP Duty cycle: ≤ 100 %
2241			PN			SRD		Annex 3, point 9.1
2242				3	K	Non-specific applications		Annex 3, point 9.2.1
2243				3	K	Wideband data transmission applications		Annex 3, point 9.4.1 Electronic communications service may be provided in the band.
2244				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2245				3	K	RFID applications in the 2450–2454 MHz band		Annex 3, point 9.12.1 Annex 3, point 9.12.2
2246		5.150	PN	-	Ü	ISM applications		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2247	**2483.5-2500 MHz**							
2248	MOBILE-SATELLITE (space-Earth)	5.150 5.351A 5.402	P	1	K	Mobile-satellite service systems	ECC/DEC/(09)02, ECC/DEC/(12)01 MSZ EN 301 441, MSZ EN 301 473	Annex 3, point 6.4 Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation. Rights of use for radio spectrum may not be obtained for a station other than a terminal.
2249				1	K	Globalstar		
2250	RADIO DETERMINATION-SATELLITE (space-Earth)	5.150 5.398 5.399 5.402	E	1	K	Radio determination-satellite service applications		
2251			PN			SRD		Annex 3, point 9.1
2252				3	K	Tracking, tracing and data collection applications		Annex 3, point 9.3.1
2253				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2254				3	K	Active medical implants		Annex 3, point 9.13.1
2255		5.150	PN	-	Ü	ISM applications		
2256	**2500-2655 MHz**							
2257	FIXED		P	1	K	Terrestrial systems capable of providing electronic communications services	2008/477/EC, (EU) 2020/636 ECC/DEC/(05)05, ECC/DEC/(22)01	Annex 3, point 3.4 Annex 3, point 3.11 Annex 3, point 3.13 Annex 4 User stations shall be exempt from individual licensing obligation.
2258	MOBILE, except aeronautical mobile	5.384A						
2259				1	K	Point-to-multipoint systems	ETSI EN 302 326-2, MSZ EN 302 326-2 MSZ EN 302 326-3	
2260				1	K	IMT		
2261				1	K	UMTS	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18	
2262				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13	
2263				1	K	LTE-MTC	MSZ EN 301 908-14	Not allowed in the 2570–2620 MHz band.
2264				1	K	LTE-eMTC	MSZ EN 301 908-15, MSZ EN 301 908-18	
2265				1	K	NB-IoT		
2266				1	K	NR	MSZ EN 301 908-18	
2267				1	K	WMAN	MSZ EN 301 908-19, MSZ EN 301 908-20	
2268	Earth exploration-satellite (passive) (2640-2655 MHz)	5.339	P	2	K	Applications of passive Earth exploration-satellite		
2269	Space research (passive) (2640-2655 MHz)	5.339	P	2	K	Systems of passive space research		
2270			PN			SRD		Annex 3, point 9.1
2271				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2272	**2655-2690 MHz**							
2273	FIXED	5.149	P	1	K	Terrestrial systems capable of providing electronic communications services	2008/477/EC, (EU) 2020/636 ECC/DEC/(05)05, ECC/DEC/(22)01	Annex 3, point 3.4 Annex 3, point 3.11 Annex 3, point 3.13 Annex 4 User stations are exempt from individual licensing obligation.
2274	MOBILE, except aeronautical mobile	5.149 5.384A						
2275				1	K	Point-to-multipoint systems	ETSI EN 302 326-2, MSZ EN 302 326-2 MSZ EN 302 326-3	
2276				1	K	IMT		
2277				1	K	UMTS	MSZ EN 301 908-1, MSZ EN 301 908-2 MSZ EN 301 908-3, MSZ EN 301 908-11 MSZ EN 301 908-18	
2278				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13 MSZ EN 301 908-14 MSZ EN 301 908-15, MSZ EN 301 908-18	
2279				1	K	LTE-MTC		
2280				1	K	LTE-eMTC		
2281				1	K	NB-IoT		
2282				1	K	NR	MSZ EN 301 908-18	
2283				1	K	WMAN	MSZ EN 301 908-19, MSZ EN 301 908-20	
2284	Earth exploration-satellite (passive)		P	2	K	Applications of passive Earth exploration-satellite		
2285	Radio astronomy		P	2	K	Radio astronomy applications		
2286	Space research (passive)		P	2	K	Systems of passive space research		
2287			PN			SRD		Annex 3, point 9.1
2288				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2289	**2690-2700 MHz**							
2290		5.340						
2291	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
2292	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
2293	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
2294			PN			SRD		Annex 3, point 9.1
2295				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2296	**2700-2900 MHz**							
2297	RADIOLOCATION	5.423 RRE	E	1	K	Ground-based meteorological radars	MSZ EN 303 347-1	
2298	AERONAUTICAL RADIONAVIGATION	5.337 5.423	E	1	K	Ground-based radar and associated aircraft transponders	ICAO Annex 10: Volume I, Chapter 3, point 3.2 Volume I, Annex C, point 4	
2299				1	K	Primary surveillance, precision approach and meteorological radars	MSZ EN 303 364-2	
2300	Radiolocation	NJE	E	2	K	Radiolocation systems		
2301				2	K	Ground-based primary surveillance radars	MSZ EN 303 364-2	
2302				2	K	Military radiolocation systems		
2303			PN			SRD		Annex 3, point 9.1
2304				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2305	**2900-3100 MHz**							
2306	RADIOLOCATION	5.424A	E	1	K	Radiolocation systems		
2307		5.427		1	K	Ground-based primary surveillance radars	MSZ EN 303 364-2	
2308		NJE		1	K	Meteorological radars		
2309				1	K	Military radiolocation systems		
2310	RADIO NAVIGATION	5.426	E	1	K	Ground-based radars	ICAO Annex 10: Volume I, Chapter 3, point 3.2 Volume I, Annex C, point 4	
2311		5.427		1	K	Primary surveillance, precision approach and meteorological radars	MSZ EN 303 364-2	
2312			PN			SRD		Annex 3, point 9.1
2313				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2314	**3100-3400 MHz**							
2315	RADIOLOCATION	5.149	N	1	K	Radiolocation systems		
2316		NJE		1	K	Meteorological radars		
2317				1	K	Military radiolocation systems		
2318	Earth exploration-satellite (active) (3100-3300 MHz)	5.149	P	2	K	Applications of active Earth exploration-satellite		
2319	Space research (active) (3100-3300 MHz)	5.149	P	2	K	Systems of active space research		
2320			PN			SRD		Annex 3, point 9.1
2321				3	K	Non-specific applications		Annex 3, point 9.2.1
2322				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2323	**3400-3600 MHz**							
2324	FIXED		P	1	K	Terrestrial systems capable of providing electronic communications services	2008/411/EC, 2014/276/EU, (EU) 2019/235 ECC/DEC/(11)06, ECC/DEC/(22)01	Annex 3, point 3.12 Annex 3, point 3.13 Annex 4 User stations are exempt from individual licensing obligation.
2325	MOBILE, except aeronautical mobile	5.430A						
2326				1	K	Point-to-multipoint systems	ETSI EN 302 326-2, MSZ EN 302 326-2 MSZ EN 302 326-3	
2327				1	K	Point-to-point systems	ITU-R F.1191-3 MSZ EN 302 217-2	
2328				1	K	IMT		
2329				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13 MSZ EN 301 908-14, MSZ EN 301 908-18	
2330				1	K	NR	MSZ EN 301 908-18	
2331				1	K	WMAN	MSZ EN 301 908-19, MSZ EN 301 908-20	
2332	FIXED-SATELLITE (space-Earth)		P	1	K	Fixed-satellite service applications		Annex 3, point 6.1 Electronic communications service may be provided in the band.
2333				1	K	Coordinated VSAT	MSZ EN 301 443	
2334				1	K	ROES	ERC/DEC/(99)26 MSZ EN 301 443	Exempt from individual licensing obligation.
2335	Radiolocation (3400-3410 MHz)	NJE	N	2	K	Radiolocation systems		
2336				2	K	Meteorological radars		
2337				2	K	Military radiolocation systems		
2338			PN			SRD		Annex 3, point 9.1
2339				3	K	Non-specific applications		Annex 3, point 9.2.1
2340				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2341	**3600-3800 MHz**							
2342	FIXED		P	1	K	Terrestrial systems capable of providing electronic communications services	2008/411/EC, 2014/276/EU, (EU) 2019/235 ECC/DEC/(11)06, ECC/DEC/(22)01	Annex 3, point 3.12 Annex 3, point 3.13 Annex 4 User stations are exempt from individual licensing obligation.
2343	MOBILE, except aeronautical mobile	RRE						
2344				1	K	Point-to-multipoint systems	ETSI EN 302 326-2, MSZ EN 302 326-2 MSZ EN 302 326-3	
2345				1	K	Point-to-point systems	ITU-R F.1191-3 MSZ EN 302 217-2	
2346				1	K	IMT		
2347				1	K	LTE	MSZ EN 301 908-1, MSZ EN 301 908-13 MSZ EN 301 908-14, MSZ EN 301 908-18	
2348				1	K	NR	MSZ EN 301 908-18	
2349				1	K	WMAN	MSZ EN 301 908-19, MSZ EN 301 908-20	
2350	FIXED-SATELLITE (space-Earth)		P	1	K	Fixed-satellite service applications		Annex 3, point 6.1 Electronic communications service may be provided in the band.
2351				1	K	Coordinated VSAT	MSZ EN 301 443	
2352				1	K	ROES	ERC/DEC/(99)26 MSZ EN 301 443	Exempt from individual licensing obligation.
2353			PN			SRD		Annex 3, point 9.1
2354				3	K	Non-specific applications		Annex 3, point 9.2.1
2355				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2356	**3800-4200 MHz**							
2357	FIXED		P	1	K	4 GHz digital point-to-point systems	ITU-R F.382-8, F.1191-3 Recommendation ERC/REC 12-08, point 2 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
2358	FIXED-SATELLITE (space-Earth)		P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2359				1	K	Coordinated VSAT	MSZ EN 301 443	Annex 3, point 6.1
2360				1	K	ROES	ERC/DEC/(99)26 MSZ EN 301 443	Annex 3, point 6.1 Exempt from individual licensing obligation.
2361			PN			SRD		Annex 3, point 9.1
2362				3	K	Non-specific applications		Annex 3, point 9.2.1
2363				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2364	**4200-4400 MHz**							
2365	AERONAUTICAL MOBILE (R)	5.436	E	1	K	WAIC		
2366	AERONAUTICAL RADIONAVIGATION	5.438 NJE	E	1	K	System of ground-based transponders and radio altimeters on board aircraft		Band centre frequency: 4300 MHz Transmission mode: F3X Average radiated power: 100 mW Frequency boost: 100 MHz
2367				1	K	Military aeronautical radio navigation systems		
2368		5.437	P	2	K	Applications of passive Earth exploration-satellite		
2369		5.440	P	2	K	Satellite authentic frequency and clock signal (space-Earth) applications in the 4200-4204 MHz band		
2370		5.437	P	2	K	Systems of passive space research		
2371			PN			SRD		Annex 3, point 9.1
2372				3	K	Non-specific applications		Annex 3, point 9.2.1
2373				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2374	**4400-4825 MHz**							
2375	FIXED	NJE	N	1	K	Military fixed systems		The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2376	FIXED-SATELLITE (space-Earth) (4500-4800 MHz)	5.441	E	1	K	Fixed-satellite service applications		
2377				1	T	Coordinated VSAT		
2378	MOBILE	NJE	N	1	K	Military telemetry and telecommand systems		The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2379				1	K	Military mobile systems		
2380	Radio astronomy (4800-4825 MHz)		P	2	K	Radio astronomy applications		
2381			PN			SRD		Annex 3, point 9.1
2382				3	K	Non-specific applications in the 4400–4800 MHz band		Annex 3, point 9.2.1
2383				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2384	**4825-4835 MHz**							
2385	FIXED	5.149 NJE	N	1	K	Military fixed systems		The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2386	MOBILE, except aeronautical mobile	5.149	N	1	K	Military telemetry and telecommand systems		The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2387		5.442 NJE		1	K	Military mobile systems		
2388	Radio astronomy		P	2	K	Radio astronomy applications		
2389			PN			SRD		Annex 3, point 9.1
2390				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2391	**4835-4950 MHz**							
2392	FIXED	NJE	N	1	K	Military fixed systems		The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2393	MOBILE	NJE	N	1	K	Military telemetry and telecommand systems		The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2394				1	K	Military mobile systems		
2395	Radio astronomy		P	2	K	Radio astronomy applications		
2396			PN			SRD		Annex 3, point 9.1
2397				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2398	**4950-4990 MHz**							
2399	FIXED	5.149 NJE	N	1	K	Military fixed systems		The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2400	MOBILE, except aeronautical mobile	5.149	N	1	K	Military telemetry and telecommand systems		The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2401		5.442 NJE		1	K	Military mobile systems		
2402	Earth exploration-satellite (passive)	5.339	P	2	K	Applications of passive Earth exploration-satellite		
2403	Radio astronomy		P	2	K	Radio astronomy applications		
2404	Space research (passive)	5.339	P	2	K	Systems of passive space research		
2405			PN			SRD		Annex 3, point 9.1
2406				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2407	**4990-5000 MHz**							
2408	FIXED	5.149 NJE	N	1	K	Military fixed systems		The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2409	MOBILE, except aeronautical mobile	5.149	N	1	K	Military telemetry and telecommand systems		The sub-bands which may be used, the conditions of band use and the radio spectrum management requirements are specified in an agreement between the Authority and the Hungarian Defence Forces.
2410		NJE		1	K	Military mobile systems		
2411	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
2412	Space research (passive)		P	2	K	Systems of passive space research		
2413			PN			SRD		Annex 3, point 9.1
2414				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2415	**5000-5010 MHz**							
2416	AERONAUTICAL MOBILE-SATELLITE (R)	5.443AA	E					
2417	RADIONAVIGATION-SATELLITE (Earth-space)		E	1	K	Applications of satellite radio navigation		
2418			PN			SRD		Annex 3, point 9.1
2419				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2420	**5010-5030 MHz**							
2421	AERONAUTICAL MOBILE-SATELLITE (R)	5.443AA	E					
2422	RADIONAVIGATION-SATELLITE (space-Earth)	5.328B 5.443B	E	1	K	Applications of satellite radio navigation		
2423			PN			SRD		Annex 3, point 9.1
2424				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2425	**5030-5091 MHz**							
2426	AERONAUTICAL MOBILE	5.443C 5.444 RRE	E	2	T	UAS CNPC connection		
2427	AERONAUTICAL MOBILE-SATELLITE	5.443D 5.444 RRE	E	2	T	UAS CNPC connection		
2428	AERONAUTICAL RADIONAVIGATION	5.444	E	1	K	Precision approach and landing MLS	ICAO Annex 10: Volume I, Chapter 3, point 3.11 Volume I, Appendix A Volume I, Annex G Volume V, Chapter 4, point 4.4 ICAO COM-Table 3 Official frequency list	
2429			PN			SRD		Annex 3, point 9.1
2430				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2431	**5091-5150 MHz**							
2432	FIXED-SATELLITE (Earth-space)	5.444A	P	1	K	Feeder links for NGSO systems of mobile-satellite services		
2433				1	K	Globalstar		
2434	AERONAUTICAL MOBILE-SATELLITE (R)	5.443AA 5.444	E					
2435	AERONAUTICAL RADIONAVIGATION	5.444	E	1	K	Precision approach and landing MLS	ICAO Annex 10: Volume I, Chapter 3, point 3.11 Volume I, Appendix A Volume I, Annex G Volume V, Chapter 4, point 4.4 ICAO COM-Table 3 Official frequency list	
2436			PN			SRD		Annex 3, point 9.1
2437				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2438	**5150-5250 MHz**							
2439	FIXED-SATELLITE (Earth-space)	5.447A 5.447C	P	1	K	Feeder links for NGSO systems of mobile-satellite services		
2440				1	K	Globalstar		
2441	FIXED-SATELLITE (space-Earth) (5150-5216 MHz)	5.447B 5.447C	P	1	K	Feeder links for NGSO systems of mobile-satellite services		
2442	MOBILE, except aeronautical mobile	5.446A 5.446B	P	3	K	WAS/RLAN systems	(EU) 2022/179, (EU) 2022/2307 ECC/DEC/(04)08 MSZ EN 301 893	Annex 3, point 4.11 Electronic communications service may be provided in the band. Exempt from individual licensing obligation.
2443			N	1	T	BBDR	ECC/REC/(08)04	
2444	AERONAUTICAL RADIONAVIGATION		N	1	K	Radio navigation systems		
2445	Radiodetermination-satellite (space-Earth) (5150-5216 MHz)	5.446	E	2	K	Radiodetermination-satellite service applications		The feeder links serve the radiodetermination satellites in the 1610-1626.5 MHz band.
2446			PN			SRD		Annex 3, point 9.1
2447				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2448	**5250-5350 MHz**							
2449	EARTH EXPLORATION-SATELLITE (active)	5.448A	P	1	K	Applications of active Earth exploration-satellite		
2450	MOBILE, except aeronautical mobile	5.446A 5.447F 5.448A	P	3	K	WAS/RLAN systems	(EU) 2022/179, (EU) 2022/2307 ECC/DEC/(04)08 MSZ EN 301 893	Annex 3, point 4.11 Electronic communications service may be provided in the band. Exempt from individual licensing obligation.
2451	RADIOLOCATION	5.448A NJE	N	1	K	Radiolocation systems		
2452				1	K	Meteorological radars	MSZ EN 303 347-2	
2453				1	K	Military radiolocation systems		
2454	SPACE RESEARCH (5250-5255 MHz)	5.447D 5.448A	P	1	T	Space research systems		
2455	SPACE RESEARCH (active) (5255-5350 MHz)	5.448A	P	1	T	Systems for active space research		
2456			PN			SRD		Annex 3, point 9.1
2457				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2458	**5350-5460 MHz**							
2459	EARTH EXPLORATION-SATELLITE (active)	5.448B	P	1	K	Applications of active Earth exploration-satellite		
2460	RADIOLOCATION	5.448D NJE	N	1	K	Radiolocation systems		
2461				1	K	Meteorological radars	MSZ EN 303 347-2	
2462				1	K	Military radiolocation systems		
2463	AERONAUTICAL RADIONAVIGATION	5.449	E	1	K	System of airborne radars and associated on-board radiobeacons		
2464	SPACE RESEARCH (active)	5.448C	P	1	T	Systems of active space research		
2465			PN			SRD		Annex 3, point 9.1
2466				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2467	**5460-5470 MHz**							
2468	EARTH EXPLORATION-SATELLITE (active)	5.448B	P	1	K	Applications of active Earth exploration-satellite		
2469	RADIOLOCATION	5.448D NJE	N	1	K	Radiolocation systems		
2470				1	K	Meteorological radars	MSZ EN 303 347-2	
2471				1	K	Military radiolocation systems		
2472	RADIO NAVIGATION	5.449	E	1	K	System of airborne radars and associated on-board radiobeacons		
2473	SPACE RESEARCH (active)	5.448B	P	1	T	Systems of active space research		
2474			PN			SRD		Annex 3, point 9.1
2475				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2476	**5470-5570 MHz**							
2477	EARTH EXPLORATION-SATELLITE (active)	5.448B	P	1	K	Applications of active Earth exploration-satellite		
2478	MOBILE, except aeronautical mobile	5.446A 5.450A	P	3	K	WAS/RLAN systems	(EU) 2022/179, (EU) 2022/2307 ECC/DEC/(04)08 MSZ EN 301 893	Annex 3, point 4.11 Electronic communications service may be provided in the band. Exempt from individual licensing obligation.
2479	RADIOLOCATION	5.450B NJE	E	1	K	Radiolocation systems		
2480				1	K	Primary terminal surveillance radars		
2481				1	K	Military radiolocation systems		
2482	SPACE RESEARCH (active)	5.448B	P	1	T	Systems of active space research		
2483			PN			SRD		Annex 3, point 9.1
2484				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2485	**5570-5650 MHz**							
2486	MOBILE, except aeronautical mobile	5.446A 5.450A	P	3	K	WAS/RLAN systems	(EU) 2022/179, (EU) 2022/2307 ECC/DEC/(04)08 MSZ EN 301 893	Annex 3, point 4.11 Electronic communications service may be provided in the band. Exempt from individual licensing obligation.
2487	RADIOLOCATION	5.450B 5.452 NJE	E	1	K	Radiolocation systems		
2488				1	K	Ground-based meteorological radars in the 5600-5650 MHz band	MSZ EN 303 347-2	In the band outside the range of ±300 MHz from the carrier frequency of the radar, the secondary wave radiation level shall not exceed the nominal output power value -100 dB, excluding radars installed before 1 May 2006.
2489				1	K	Primary terminal surveillance radars		
2490				1	K	Military radiolocation systems		
2491			PN			SRD		Annex 3, point 9.1
2492				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2493	**5650-5725 MHz**							
2494	FIXED (5670-5725 MHz)	5.455	N	1	K	Point-to-point systems		
2495	MOBILE, except aeronautical mobile	5.446A 5.450A	P	3	K	WAS/RLAN systems	(EU) 2022/179, (EU) 2022/2307 ECC/DEC/(04)08 MSZ EN 301 893	Annex 3, point 4.11 Electronic communications service may be provided in the band. Exempt from individual licensing obligation.
2496	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
2497				1	K	Meteorological radars	MSZ EN 303 347-2	
2498				1	K	Military radiolocation systems		
2499	Amateur		P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
2500	Amateur satellite (Earth to Space) (5650-5670 MHz)	5.282 RRE	P	2	K	Amateur radio-satellite		
2501	Space research (deep space)		P	2	T	Space research systems		
2502			PN			SRD		Annex 3, point 9.1
2503				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2504	**5725-5850 MHz**							
2505	FIXED	5.150 5.455	N	1	K	Point-to-point systems		
2506	FIXED-SATELLITE (Earth-space)	5.150	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2507				1	K	Coordinated VSAT	MSZ EN 301 443	Annex 3, point 6.1
2508	RADIOLOCATION	5.150 NJE	N	1	K	Radiolocation systems		
2509				1	K	Meteorological radars	MSZ EN 303 347-2	
2510				1	K	Military radiolocation systems		
2511	Amateur	5.150	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
2512	Amateur-satellite (space-Earth) (5830-5850 MHz)	5.150	P	2	K	Amateur radio satellite		
2513			PN	3	K	Fixed and nomadic BFWA systems with digital, point-to-point, point-to-multipoint and general multipoint structure	ECC/REC/(06)04 MSZ EN 302 502	Annex 3, point 2.6 Exempt from individual licensing obligation.
2514				3	K	WiMAX		For such equipment, a type certificate recognised by the WiMAX Forum is necessary.
2515			PN			SRD		Annex 3, point 9.1
2516				3	K	Non-specific applications		Annex 3, point 9.2.1
2517				3	K	Tracking, tracing and data collection applications		Annex 3, point 9.3.2
2518				3	K	TTT applications in the 5795–5815 MHz band		Annex 3, point 9.6.1 Annex 3, point 9.6.3
2519				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2520		5.150	PN	-	Ü	ISM applications		Band centre frequency: 5800 MHz
2521	**5850-5925 MHz**							
2522	FIXED-SATELLITE (Earth-space)	5.150	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2523				1	K	Coordinated VSAT	MSZ EN 301 443	Annex 3, point 6.1
2524	LAND MOBILE (5875-5925 MHz)		P	1	K	Safety-related applications of ITS	(EU) 2020/1426 ECC/DEC/(08)01 MSZ EN 302 571	Annex 3, point 4.12 The stations of the systems shall not cause harmful interference to stations of the fixed satellite service operating in the band, or claim protection against them. In-vehicle ITS is exempt from individual licensing obligation. Road and railway stations may be operated on the basis of a simplified radio licence as of 1 January 2025.
2525			PN	3	K	Fixed and nomadic BFWA systems with digital, point-to-point, point-to-multipoint and general multipoint structure in the 5850-5875 MHz band	ECC/REC/(06)04 MSZ EN 302 502	Annex 3, point 2.6 Exempt from individual licensing obligation.
2526				3	K	WiMAX		For such equipment, a type certificate recognised by the WiMAX Forum is necessary.
2527			PN			SRD		Annex 3, point 9.1
2528				3	K	Non-specific applications in the 5850–5875 MHz band		Annex 3, point 9.2.1
2529				3	K	Tracking, tracing and data collection applications in the 5850–5875 MHz band		Annex 3, point 9.3.2
2530				3	K	TTT applications in the 5855–5875 MHz band		Annex 3, point 9.6.1
2531				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2532		5.150	PN	-	Ü	ISM applications in the 5850-5875 MHz band		Band centre frequency: 5800 MHz

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2533	**5925-6425 MHz**							
2534	FIXED		P	1	K	Digital point-to-point systems in the lower 6 GHz band	ITU-R F.1191-3 ERC/REC 14-01 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
2535	FIXED-SATELLITE (Earth-space)		P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2536				1	K	Coordinated VSAT	MSZ EN 301 443	Annex 3, point 6.1
2537	MOBILE, except aeronautical mobile		P	1	K	Safety-related applications of ITS in the 5925-5935 MHz band	(EU) 2020/1426 ECC/DEC/(08)01 MSZ EN 302 571	Annex 3, point 4.12 The stations of the systems shall not cause harmful interference to stations of the fixed satellite service operating in the band, or claim protection against them. In-vehicle ITS is exempt from individual licensing obligation. Railway stations may be operated on the basis of a simplified radio licence as of 1 January 2025.
2538				3	K	WAS/RLAN systems in the 5945-6425 MHz band	(EU) 2021/1067 ECC/DEC/(20)01	Annex 3, point 4.13 Electronic communications service may be provided in the band. Exempt from individual licensing obligation.
2539			PN			SRD		Annex 3, point 9.1
2540				3	K	Non-specific applications in the 6000–6425 MHz band		Annex 3, point 9.2.1
2541				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2542	**6425-6700 MHz**							
2543	FIXED	5.149 5.458	P	1	K	Fixed digital point-to-point systems in the upper 6 GHz band	ITU-R F.1191-3 ERC/REC 14-02 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum are expected to be obtained until 31 December 2026 after harmonisation of the civil and non-civil radio spectrum management aspects.
2544	FIXED-SATELLITE (Earth-space)	5.149 5.458	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band. Rights of use for radio spectrum are expected to be obtained until 31 December 2026 after harmonisation of the civil and non-civil radio spectrum management aspects.
2545				1	K	Coordinated VSAT	MSZ EN 301 443	Annex 3, point 6.1
2546	RADIOLOCATION (probably until 31 December 2026)	5.149 5.458 RRE	N	1	K	Radiolocation systems		Those radars may be operated which have a valid radio licence on 1 January 2008 and have been in operation since then.
2547	AERONAUTICAL RADIONAVIGATION (probably until 31 December 2026)	5.149 5.458 RRE	N	1	K	Aeronautical radionavigation systems		Those applications may be in operation which have valid radio licence on 1 January 2008 and have been in operation since then.
2548		5.440	P	2	K	Satellite authentic frequency and clock signal (Earth-space) applications in the 6425-6429 MHz band		Rights of use for radio spectrum are expected to be obtained until 31 December 2026 after harmonisation of the civil and non-civil radio spectrum management aspects.
2549			PN			SRD		Annex 3, point 9.1
2550				3	K	Non-specific applications		Annex 3, point 9.2.1
2551				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2552	**6700-7075 MHz**							
2553	FIXED	5.458	P	1	K	Fixed digital point-to-point systems in the upper 6 GHz band	ITU-R F.1191-3 ERC/REC 14-02 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum are expected to be obtained until 31 December 2026 after harmonisation of the civil and non-civil radio spectrum management aspects.
2554	FIXED-SATELLITE (space-Earth)	5.458 5.458B	P	1	K	Feeder links for NGSO systems of mobile-satellite services		Rights of use for radio spectrum are expected to be obtained until 31 December 2026 after harmonisation of civil and non-civil radio spectrum management aspects.
2555				1	K	Globalstar in the 6875-7055 MHz band		
2556	FIXED-SATELLITE (Earth-space)	5.441 5.458 5.458A	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band. Rights of use for radio spectrum are expected to be obtained until 31 December 2026 after harmonisation of the civil and non-civil radio spectrum management aspects.
2557				1	K	Coordinated VSAT	MSZ EN 301 443	Annex 3, point 6.1
2558	RADIOLOCATION (probably until 31 December 2026)	5.458 RRE	N	1	K	Radiolocation systems		Those radars may be operated which have a valid radio licence on 1 January 2008 and have been in operation since then.
2559	AERONAUTICAL RADIONAVIGATION (probably until 31 December 2026)	5.458 RRE	N	1	K	Aeronautical radionavigation systems		Those radars may be operated which have a valid radio licence on 1 January 2008 and have been in operation since then.
2560			PN			SRD		Annex 3, point 9.1
2561				3	K	Non-specific applications		Annex 3, point 9.2.1
2562				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2563	**7075-7125 MHz**							
2564	FIXED	5.458	P	1	K	Fixed digital point-to-point systems in the upper 6 GHz band	ITU-R F.1191-3 ERC/REC 14-02 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
2565			PN			SRD		Annex 3, point 9.1
2566				3	K	Non-specific applications		Annex 3, point 9.2.1
2567				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2568	**7125-7190 MHz**							
2569	FIXED	5.458	N	1	K	Digital point-to-point systems in the lower 7 GHz band	ECC/REC/(02)06	Annex 3, point 2.5 Annex 4
2570	SPACE RESEARCH (deep space) (Earth-space) (7145-7190 MHz)	5.458	P	1	T	Space research systems		
2571			PN			SRD		Annex 3, point 9.1
2572				3	K	Non-specific applications		Annex 3, point 9.2.1
2573				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2574	**7190-7250 MHz**							
2575	EARTH EXPLORATION-SATELLITE (Earth-space)	5.458 5.460A 5.460B	E	1	K	Applications of Earth exploration-satellite		
2576	FIXED	5.458	N	1	K	Digital point-to-point systems in the lower 7 GHz band	ECC/REC/(02)06	Annex 3, point 2.5 Annex 4
2577	SPACE RESEARCH (Earth-space) (7190-7235 MHz)	5.458 5.460	P	1	T	Space research systems		
2578			PN			SRD		Annex 3, point 9.1
2579				3	K	Non-specific applications		Annex 3, point 9.2.1
2580				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2581	**7250-7425 MHz**							
2582	FIXED	NJE	N	1	K	Digital point-to-point systems in the lower 7 GHz band	ECC/REC/(02)06	Annex 3, point 2.5 Annex 4
2583				1	K	Military fixed systems		
2584	FIXED-SATELLITE (space-Earth)	NJE	N	1	K	Military satellite systems		Annex 3, point 6.1 Uncoordinated terminals (end-user stations) are exempted from individual licensing obligation.
2585	SATELLITE MOBILE (space-Earth) (7250-7375 MHz)	5.461 NJE	N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
2586	MARITIME MOBILE-SATELLITE (space-Earth) (7375–7425 MHz)	5.461AA 5.461AB NJE	N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
2587			PN			SRD		Annex 3, point 9.1
2588				3	K	Non-specific applications		Annex 3, point 9.2.1
2589				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2590	**7425-7750 MHz**							
2591	FIXED		P	1	K	Upper 7 GHz band digital point-to-point systems in the 7425-7725 MHz band	ITU-R F.1191-3 Recommendation ECC/REC/(02)06, point 1 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Channel configuration: Recommendation ECC/REC/(02)06, Annex 1, point 1.1
2592				1	K	7 GHz band analogue and digital radio and television news transmission systems, as well as radio and television broadcast transmission systems, in the 7725-7750 MHz band	ERC/REC 25-10 Recommendation ECC/REC/(02)06, point 1 ETSI EN 302 064-2, MSZ EN 302 064 MSZ EN 302 217-4	Annex 3, point 2.5 Annex 4 Channel configuration for analogue systems: pursuant to point 2.7 of Annex 3 Channel configuration for digital systems: pursuant to Recommendation ECC/REC/(02)06, Annex 2, point 2.2 Configurations of the 1.75 MHz and 3.5 MHz channels can be made by subdividing the 7 MHz channels according to the Recommendation.
2593	FIXED-SATELLITE (space-Earth)	NJE	N	1	K	Military satellite systems		Annex 3, point 6.1 Uncoordinated terminals (end-user stations) are exempted from individual licensing obligation.
2594	METEOROLOGICAL-SATELLITE (space-Earth) (7450-7550 MHz)	5.461A	P	1	K	Meteorological-satellite systems		
2595			PN			SRD		Annex 3, point 9.1
2596				3	K	Non-specific applications		Annex 3, point 9.2.1
2597				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2598	**7750-7900 MHz**							
2599	FIXED		P	1	K	7 GHz band analogue and digital radio and television news transmission systems and radio and television broadcast transmission systems	ERC/REC 25-10 Recommendation ECC/REC/(02)06, point 1 ETSI EN 302 064-2, MSZ EN 302 064 MSZ EN 302 217-4	Annex 3, point 2.5 Annex 4 Channel configuration for analogue systems: pursuant to point 2.7 of Annex 3 Channel configuration for digital systems: pursuant to Recommendation ECC/REC/(02)06, Annex 2, point 2.2 Configuration of the 1.75 MHz and 3.5 MHz channels can be made by subdividing the 7 MHz channels according to the Recommendation. Rights of use for radio spectrum are expected to be obtained until 31 December 2028 after harmonisation of the civil and non-civil radio spectrum management aspects.
2600	METEOROLOGICAL-SATELLITE (space-Earth)	5.461B	P	1	K	Meteorological-satellite systems		Rights of use for radio spectrum are expected to be obtained until 31 December 2028 after harmonisation of the civil and non-civil radio spectrum management aspects.
2601	AERONAUTICAL RADIONAVIGATION (probably until 31 December 2028)	RRE	N	1	K	Aeronautical radionavigation systems		Those applications may be in operation which have valid radio licence on 1 January 2008 and have been in operation since then.
2602			PN			SRD		Annex 3, point 9.1
2603				3	K	Non-specific applications		Annex 3, point 9.2.1
2604				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2605	**7900-8025 MHz**							
2606	FIXED		P	1	K	8 GHz band digital point-to-point systems	ITU-R F.1191-3 ECC/REC/(02)06, Annex 2, point 2.3 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
2607	FIXED-SATELLITE (Earth-space)	NJE	N	1	K	Military satellite systems		Annex 3, point 6.1 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised. Uncoordinated terminals (end-user stations) are exempted from individual licensing obligations.
2608	MOBILE-SATELLITE (Earth-space)	5.461 NJE	N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
2609	AERONAUTICAL RADIONAVIGATION (probably until 31 December 2028)	RRE	N	1	K	Aeronautical radionavigation systems		Those applications may be in operation which have valid radio licence on 1 January 2008 and have been in operation since then.
2610			PN			SRD		Annex 3, point 9.1
2611				3	K	Non-specific applications		Annex 3, point 9.2.1
2612				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2613	**8025-8275 MHz**							
2614	EARTH EXPLORATION-SATELLITE	5.462A	E	1	K	Applications of Earth exploration-satellite		
2615	(space-Earth)	NJE		1	K	Military satellite systems		
2616	FIXED		P	1	K	8 GHz band digital point-to-point systems	ITU-R F.1191-3 ECC/REC/(02)06, Annex 2, point 2.3 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
2617	FIXED-SATELLITE (Earth-space)	NJE	N	1	K	Military satellite systems		Annex 3, point 6.1 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised. Uncoordinated terminals (end-user stations) are exempted from individual licensing obligation.
2618	METEOROLOGICAL-SATELLITE (Earth-space) (8175-8215 MHz)		P	1	K	Meteorological-satellite systems		Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
2619	AERONAUTICAL RADIONAVIGATION (probably until 31 December 2028)	RRE	N	1	K	Aeronautical radionavigation systems		Those applications may be in operation which have valid radio licence on 1 January 2008 and have been in operation since then.
2620			PN			SRD		Annex 3, point 9.1
2621				3	K	Non-specific applications		Annex 3, point 9.2.1
2622				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2623	**8275-8400 MHz**							
2624	EARTH EXPLORATION-SATELLITE	5.462A	E	1	K	Applications of Earth exploration-satellite		
2625	(space-Earth)	NJE		1	K	Military satellite systems		
2626	FIXED		P	1	K	8 GHz band digital point-to-point systems	ITU-R F.1191-3 ECC/REC/(02)06, Annex 2, point 2.3 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
2627	FIXED-SATELLITE (Earth-space)	NJE	N	1	K	Military satellite systems		Annex 3, point 6.1 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised. Uncoordinated terminals (end-user stations) are exempted from individual licensing obligation.
2628			PN			SRD		Annex 3, point 9.1
2629				3	K	Non-specific applications		Annex 3, point 9.2.1
2630				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2631	**8400-8500 MHz**							
2632	FIXED		P	1	K	8 GHz band digital point-to-point systems	ITU-R F.1191-3 ECC/REC/(02)06, Annex 2, point 2.3 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
2633	SPACE RESEARCH (space-Earth)	5.465	P	1	T	Space research systems		
2634			PN			SRD		Annex 3, point 9.1
2635				3	K	Non-specific applications		Annex 3, point 9.2.1
2636				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2						**Application**	**Document**	**Additional rules**
2637	**8500-8750 MHz**							
2638	EARTH EXPLORATION-SATELLITE (active) (8550-8650 MHz)	5.469A	P	1	K	Applications of active Earth exploration-satellite		
2639	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
2640				1	K	Meteorological radars		
2641				1	K	Military radiolocation systems		
2642	RADIO NAVIGATION	5.469 NJE	N	1	K	Radio navigation systems		
2643				1	K	Military aeronautical radio navigation systems		
2644	SPACE RESEARCH (active) (8550-8650 MHz)	5.469A	P	1	T	Systems for active space research		
2645			PN			SRD		Annex 3, point 9.1
2646				3	K	Non-specific applications		Annex 3, point 9.2.1
2647				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2648	**8750-8850 MHz**							
2649	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
2650				1	K	Meteorological radars		
2651				1	K	Military radiolocation systems		
2652	AERONAUTICAL RADIONAVIGATION	5.470 NJE	E	1	K	Airborne Doppler radars		Band centre frequency: 8800 MHz
2653				1	K	Military aeronautical radio navigation systems		
2654			PN			SRD		Annex 3, point 9.1
2655				3	K	Non-specific applications		Annex 3, point 9.2.1
2656				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2657	**8850-9000 MHz**							
2658	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
2659				1	K	Meteorological radars		
2660				1	K	Military radiolocation systems		
2661	RADIO NAVIGATION	5.473 NJE	N	1	K	Radio navigation systems		
2662				1	K	Military aeronautical radio navigation systems		
2663			PN			SRD		Annex 3, point 9.1
2664				3	K	Non-specific applications		Annex 3, point 9.2.1
2665				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2666	**9000-9200 MHz**							
2667	RADIOLOCATION	5.473A NJE	E	1	K	Radiolocation systems		
2668				1	K	Ground-based primary surveillance radars	MSZ EN 303 364-3	
2669				1	K	Military radiolocation systems		
2670	AERONAUTICAL RADIONAVIGATION	5.337 NJE	E	1	K	System of ground-based radars and associated airborne transponders	ICAO Annex 10: Volume I, Chapter 3, point 3.2 Volume I, Annex C, point 4 MSZ EN 303 364-3	
2671				1	K	PAR		
2672				1	K	SRE		
2673				1	K	Surface movement radars	MSZ EN 303 213-6-1	
2674				1	K	Military aeronautical radio navigation systems		
2675			PN			SRD		Annex 3, point 9.1
2676				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2677	**9200-9300 MHz**							
2678	EARTH EXPLORATION-SATELLITE (active)	5.474A 5.474B 5.474C 5.474D	E	1	K	Applications of active Earth exploration-satellite		
2679	RADIOLOCATION	NJE	E	1	K	Radiolocation systems		
2680				1	K	Ground-based primary surveillance radars	MSZ EN 303 364-3	
2681				1	K	Military radiolocation systems		
2682	RADIO NAVIGATION	5.473 NJE	E	1	K	Ground-based radars	ICAO Annex 10: Volume I, Chapter 3, point 3.2 Volume I, Annex C, point 4 MSZ EN 303 364-3	
2683				1	K	PAR		
2684				1	K	SRE		
2685				1	K	Surface movement radars		
2686				1	K	Shipborne radars	CD/SES 60/10	Only applicable on inland waterways.
2687				1	K	Rate-of-turn meters		
2688				1	K	Military aeronautical radio navigation systems		
2689			PN			SRD		Annex 3, point 9.1
2690				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2691	**9300-9500 MHz**							
2692	EARTH EXPLORATION-SATELLITE (active)	5.475A 5.476A NJE	E	1	K	Applications of active Earth exploration-satellite		
2693				1	K	Military satellite systems		
2694	RADIOLOCATION	5.427 5.475B NJE	E	1	K	Radiolocation systems		
2695				1	K	Ground-based primary surveillance radars	MSZ EN 303 364-3	
2696				1	K	Meteorological radars	MSZ EN 303 347-3	
2697				1	K	Military radiolocation systems		
2698	RADIO NAVIGATION	5.427 5.475 NJE	E	1	K	Ground-based radars	ICAO Annex 10: Volume I, Chapter 3, point 3.2 Volume I, Annex C, point 4 MSZ EN 303 364-3	
2699				1	K	PAR		
2700				1	K	SRE		
2701				1	K	Surface movement radars	MSZ EN 303 213-6-1	
2702				1	K	Ground-based radar beacons in the 9300-9320 MHz band		
2703				1	K	Airborne meteorological radars		
2704				1	K	Shipborne radars	CD/SES 60/10 ETSI EN 302 194-2, MSZ EN 302 194	Only applicable on inland waterways.
2705				1	K	Rate-of-turn meters		
2706				1	K	Military aeronautical radio navigation systems		
2707	SPACE RESEARCH (active)	5.475A 5.476A	P	1	T	Systems for active space research		
2708			PN			SRD		Annex 3, point 9.1
2709				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2710	**9500-9800 MHz**							
2711	EARTH EXPLORATION-SATELLITE (active)	5.476A NJE	E	1	K	Applications of active Earth exploration-satellite		
2712				1	K	Military satellite systems		
2713	RADIOLOCATION	NJE	E	1	K	Radiolocation systems		
2714				1	K	Ground-based primary surveillance radars	MSZ EN 303 364-3	
2715				1	K	Military radiolocation systems		
2716	RADIO NAVIGATION	NJE	E	1	K	Ground-based radars	ICAO Annex 10: Volume I, Chapter 3, point 3.2 Volume I, Annex C, point 4 MSZ EN 303 364-3	
2717				1	K	PAR		
2718				1	K	SRE		
2719				1	K	Surface movement radars		
2720				1	K	Airborne meteorological radars		
2721				1	K	Military aeronautical radio navigation systems		
2722	SPACE RESEARCH (active)	5.476A	P	1	T	Systems for active space research		
2723			PN			SRD		Annex 3, point 9.1
2724				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2725	**9800-9900 MHz**							
2726	RADIOLOCATION	NJE	E	1	K	Radiolocation systems		
2727				1	K	Ground-based primary surveillance radars	MSZ EN 303 364-3	
2728				1	K	Military radiolocation systems		
2729	Earth exploration-satellite (active)	5.478A 5.478B NJE	E	2	K	Applications of active Earth exploration-satellite		
2730				2	K	Military satellite systems		
2731	Space research (active)	5.478A 5.478B	P	2	T	Systems for active space research		
2732			PN			SRD		Annex 3, point 9.1
2733				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2734	**9900-10 000 MHz**							
2735	EARTH EXPLORATION-SATELLITE (active)	5.474A 5.474B 5.474C 5.474D NJE	E	1	K	Applications of active Earth exploration-satellite		
2736				1	K	Military satellite systems		
2737	RADIOLOCATION	NJE	E	1	K	Radiolocation systems		
2738				1	K	Ground-based primary surveillance radars	MSZ EN 303 364-3	
2739				1	K	Military radiolocation systems		
2740	Satellite meteorology (9975-10 000 MHz)	5.479 NJE	E	2	K	Weather radars		
2741				2	K	Military satellite systems		
2742			PN			SRD		Annex 3, point 9.1
2743				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2744	**10-10.45 GHz**							
2745	EARTH EXPLORATION-SATELLITE (active) (10-10.4 GHz)	5.474A 5.474B 5.474C 5.474D	E	1	K	Applications of active Earth exploration-satellite		
2746	FIXED		P	1	K	10 GHz band analogue and digital radio and television news transmission systems and radio and television broadcast transmission systems	Recommendation ERC/REC 12-05, point 4 ERC/REC 25-10 ETSI EN 302 064-2, MSZ EN 302 064 MSZ EN 302 217-4	Annex 3, point 2.5 Annex 4 Channel configuration for analogue systems: pursuant to point 2.7 of Annex 3 Channel configuration for digital systems: pursuant to Annex A of Recommendation ERC/REC 1205 Configuration of 1.75 MHz channels may be made with the subdivision of 3.5 MHz channels according to the Recommendation.
2747	MOBILE		P	1	K	Cordless cameras	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	
2748	Amateur		P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
2749	Satellite meteorology (10-10.025 GHz)	5.479	E	2	K	Weather radars		
2750			PN			SRD		Annex 3, point 9.1
2751				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
2752	**10.45-10.5 GHz**							
2753	FIXED	5.481	P	1	K	10 GHz band analogue and digital radio and television news transmission systems and radio and television broadcast transmission systems	Recommendation ERC/REC 12-05, point 4 ERC/REC 25-10 ETSI EN 302 064-2, MSZ EN 302 064 MSZ EN 302 217-4	Annex 3, point 2.5 Annex 4 Channel configuration for analogue systems: pursuant to point 2.7 of Annex 3 Channel configuration for digital systems: pursuant to Annex A of Recommendation ERC/REC 1205 Configuration of 1.75 MHz channels may be made with the subdivision of 3.5 MHz channels according to the Recommendation. Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised. Analogue systems which operate on a band centre frequency different from those specified in point 2.7 of Annex 3 and which have a valid licence as of 5 March 2016 may be operated until 31 December 2025 at the latest.
2754	MOBILE	5.481	P	1	K	Cordless cameras	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
2755	RADIOLOCATION	NJE	E	1	K	Radiolocation systems		
2756				1	K	Speedometer radars		
2757				1	K	Military radiolocation systems		
2758	Amateur		P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
2759	Amateur-satellite		P	2	K	Amateur radio satellite		
2760			PN			SRD		Annex 3, point 9.1
2761				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2762	**10.5-10.6 GHz**							
2763	FIXED		P	1	K	10 GHz band analogue and digital radio and television news transmission systems and radio and television broadcast transmission systems	Recommendation ERC/REC 12-05, point 4 ERC/REC 25-10 ETSI EN 302 064-2, MSZ EN 302 064 MSZ EN 302 217-4	Annex 3, point 2.5 Annex 4 Channel configuration for analogue systems: pursuant to point 2.7 of Annex 3 Channel configuration for digital systems: pursuant to Annex A of Recommendation ERC/REC 1205 Configuration of 1.75 MHz channels may be made with the subdivision of 3.5 MHz channels according to the Recommendation. Analogue systems which operate on a band centre frequency different from those specified in point 2.7 of Annex 3 and which have a valid licence as of 5 March 2016 may be operated until 31 December 2025 at the latest.
2764	MOBILE (10.5-10.55 GHz)		P	1	K	Cordless cameras	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	
2765	MOBILE, except aeronautical mobile (10.55-10.6 GHz)		P					
2766	Radiolocation		E	2	K	Radiolocation systems		
2767				2	K	Speedometer radars		
2768				2	K	Military radiolocation systems		
2769			PN			SRD		Annex 3, point 9.1
2770				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2771	**10.6-10.68 GHz**							
2772	EARTH EXPLORATION-SATELLITE (passive)	5.482A	P	1	K	Applications of passive Earth exploration-satellite	ECC/DEC/(10)01	Angle of incidence of the passive sensor: max. 60° Spatial resolution of the passive sensor: max. 50 km Efficiency of the main beam: min. 85 %
2773	FIXED	5.149 5.482 5.482A	P	1	K	10 GHz band analogue and digital radio and television news transmission systems and radio and television broadcast transmission systems	Recommendation ERC/REC 12-05, point 4 ERC/REC 25-10 ETSI EN 302 064-2, MSZ EN 302 064 MSZ EN 302 217-4	Annex 3, point 2.5 Annex 4 Channel configuration for analogue systems: pursuant to point 2.7 of Annex 3 Channel configuration for digital systems: pursuant to Annex A of Recommendation ERC/REC 1205 Configuration of 1.75 MHz channels may be made with the subdivision of 3.5 MHz channels according to the Recommendation. The elevation angle of the radiation axis of the station: max. 20° Analogue systems which operate on a band centre frequency different from those specified in point 2.7 of Annex 3 and which have a valid licence as of 5 March 2016 may be operated until 31 December 2025 at the latest.
2774	MOBILE, except aeronautical mobile	5.149 5.482 5.482A	P	1	K	Cordless cameras	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	Maximum power supplied to the antenna: max. -3 dBW The stations may be operated until 31 December 2028.
2775	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
2776	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
2777	Radiolocation	5.149	E	2	K	Radiolocation systems		
2778				2	K	Speedometer radars		
2779				2	K	Military radiolocation systems		
2780			PN			SRD		Annex 3, point 9.1
2781				3	K	Radio determination applications		Annex 3, point 9.7.2
2782	**10.68-10.7 GHz**							
2783		5.340						
2784	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
2785	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
2786	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
2787			PN			SRD		Annex 3, point 9.1
2788				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2789	**10.7-11.7 GHz**							
2790	FIXED		P	1	K	11 GHz band digital point-to-point systems	Recommendation ITU-R F.387-13, points 1.1 and 1.3, F.1191-3 ERC/DEC/(00)08 Recommendation ERC/REC 12-06, points 1 and 3, Annex 1, point 1 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 3, point 2.9 Annex 4 According to the channel arrangement set out in Recommendation ITU-R F.387-13, Section 1.1 and 1.3, only systems holding a valid radio licence on 31 December 2022 may be operated, and they may be in operation until the radio licence expires; the radio licence may not be renewed.
2791	FIXED-SATELLITE (space-Earth)	5.441 5.484A	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2792				1	K	Coordinated earth stations		
2793				1	K	Coordinated VSAT	MSZ EN 301 428	
2794				1	K	Uncoordinated earth stations	ERC/DEC/(00)08	Annex 3, point 6.1
2795				1	K	Uncoordinated VSAT	ECC/DEC/(00)08, ECC/DEC/(03)04 MSZ EN 301 360, MSZ EN 301 428 MSZ EN 301 459	Exempt from individual licensing obligation.
2796				1	K	HEST	ECC/DEC/(00)08, ECC/DEC/(06)03 MSZ EN 301 360, MSZ EN 301 428 MSZ EN 301 459	
2797				1	K	ROES	ERC/DEC/(99)26, ERC/DEC/(00)08 MSZ EN 303 372-1, MSZ EN 303 372-2	
2798				1	K	Ground-based vehicular ESIM, with GSO systems	ECC/DEC/(00)08, ECC/DEC/(18)04 MSZ EN 302 448, MSZ EN 302 977	
2799				1	K	Fixed land stations with NGSO systems	ECC/DEC/(00)08, ECC/DEC/(17)04 MSZ EN 303 980, MSZ EN 303 981	
2800				1	K	ESIM with NGSO systems	ECC/DEC/(00)08, ECC/DEC/(18)05 MSZ EN 303 980, MSZ EN 303 981	
2801				1	K	SNG	ERC/DEC/(00)08 MSZ EN 301 430	Annex 3, point 6.1 Exempted from the coordination obligation, but operation is subject to individual authorisation.
2802			P	3	K	Land mobile-satellite service (space-Earth) systems	MSZ EN 301 427	Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
2803			P	3	K	Non-safety wideband data transmission systems of the aeronautical mobile satellite service (space-Earth)		
2804				3	K	AES	ECC/DEC/(05)11 ETSI EN 302186, MSZ EN 302186	Only electronic communications services may be provided in the band. Exempt from individual licensing obligation.
2805			PN			SRD		Annex 3, point 9.1
2806				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2807	**11.7-12.5 GHz**							
2808	FIXED (12.3-12.5 GHz)	5.487	P	1	K	Point-to-multipoint system for broadcasting in Budapest	ERC/DEC/(00)08	Only electronic communications services may be provided in the band. Only a system with a valid radio licence on 1 January 2011 may be operated. The extension of the radiation zone limit of the system is subject to radio licence and to the conditions specified therein. Receiving stations shall not claim protection against stations of other radio services operating in the band. Terminals are exempt from individual licensing obligation.
2809	FIXED-SATELLITE (space-Earth)	5.487 5.487A	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2810				1	K	Coordinated earth stations		
2811				1	K	Coordinated VSAT		
2812				1	K	Uncoordinated earth stations		Annex 3, point 6.1
2813				1	K	Uncoordinated VSAT	MSZ EN 301 360, MSZ EN 301 459	Exempt from individual licensing obligation.
2814				1	K	HEST	ECC/DEC/(06)03 MSZ EN 301 360, MSZ EN 301 459	
2815				1	K	ROES	ERC/DEC/(99)26 MSZ EN 303 372-1, MSZ EN 303 372-2	
2816				1	K	Ground-based vehicular ESIM, with GSO systems	ECC/DEC/(18)04 MSZ EN 302 448, MSZ EN 302 977	
2817				1	K	Fixed land stations with NGSO systems	ECC/DEC/(17)04 MSZ EN 303 980, MSZ EN 303 981	
2818				1	K	ESIM with NGSO systems	ECC/DEC/(18)05 MSZ EN 303 980, MSZ EN 303 981	
2819	SATELLITE BROADCASTING	5.492	P	1	K	Satellite broadcasting		Only electronic communications services may be provided in the band. The receiving land station shall not claim protection against fixed service stations in the 12.3–12.5 GHz band.
2820				1	K	HEST	ECC/DEC/(06)03 MSZ EN 301 360, MSZ EN 301 459	Exempt from individual licensing obligation.
2821				1	K	ROES	ERC/DEC/(99)26 MSZ EN 303 372-1, MSZ EN 303 372-2	
2822			PN			SRD		Annex 3, point 9.1
2823				3	K	Radio determination applications in the 11.7-12.4 GHz band		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2824	**12.5-12.75 GHz**							
2825	FIXED-SATELLITE (space-Earth)	5.484A 5.496	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2826				1	K	Coordinated earth stations		
2827				1	K	Coordinated VSAT	MSZ EN 301 428	
2828				1	K	Uncoordinated earth stations		Annex 3, point 6.1
2829				1	K	Uncoordinated VSAT	MSZ EN 301 360, MSZ EN 301 428 MSZ EN 301 459	Exempt from individual licensing obligation.
2830				1	K	HEST	ECC/DEC/(06)03 MSZ EN 301 360, MSZ EN 301 428 MSZ EN 301 459	
2831				1	K	ROES	ERC/DEC/(99)26 MSZ EN 303 372-1, MSZ EN 303 372-2	
2832				1	K	Ground-based vehicular ESIM, with GSO systems	ECC/DEC/(18)04 MSZ EN 302 448, MSZ EN 302 977	
2833				1	K	Fixed land stations with NGSO systems	ECC/DEC/(17)04 MSZ EN 303 980, MSZ EN 303 981	
2834				1	K	ESIM with NGSO systems	ECC/DEC/(18)05 MSZ EN 303 980, MSZ EN 303 981	
2835				1	K	SNG	MSZ EN 301 430	Annex 3, point 6.1 Exempted from the coordination obligation, but operation is subject to individual authorisation.
2836			P	3	K	Land mobile service (space-Earth) systems	MSZ EN 301 427	Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
2837			P	3	K	Non-safety wideband data transmission systems of the aeronautical mobile-satellite service (space-Earth)		
2838				3	K	AES	ECC/DEC/(05)11 ETSI EN 302 186, MSZ EN 302 186	Only electronic communications services may be provided in the band. Exempt from individual licensing obligation.
2839	**12.75-13.25 GHz**							
2840	FIXED		P	1	K	Fixed digital point-to-point systems in the 13 GHz band	ITU-R F.1191-3 ERC/REC 12-02 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Channel spacing: in the 12.807-12.835 GHz, 13.073-13.101 GHz, 12.863-12.891 GHz and 13.129-13.157 GHz band, only 28 MHz may be used.
2841	FIXED-SATELLITE (Earth-space)	5.441	P	1	K	GSO satellite systems		Electronic communications service may be provided in the band.
2842				1	K	Coordinated earth stations		Annex 3, point 6.1
2843				1	K	Coordinated VSAT		
2844				1	K	SNG	MSZ EN 301 430	Annex 3, point 6.1 Exempted from the coordination obligation, but operation is subject to individual authorisation.
2845	Space research (deep space) (space-Earth)		P	2	T	Space research systems		
2846	**13.25-13.4 GHz**							
2847	EARTH EXPLORATION-SATELLITE (active)	5.498A	P	1	K	Applications of active Earth exploration-satellite		
2848	AERONAUTICAL RADIONAVIGATION	5.497	N	1	K	Airborne Doppler radars		
2849	SPACE RESEARCH (active)	5.498A	P	1	T	Systems of active space research		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2850	**13.4-13.75 GHz**							
2851	EARTH EXPLORATION-SATELLITE (active)	5.501B	P	1	K	Applications of active Earth exploration-satellite		
2852	FIXED-SATELLITE (space-Earth) (13.4-13.65 GHz)	5.499A 5.499B 5.499E	E	1	K	GSO satellite systems		Electronic communications service may be provided in the band.
2853				1	K	Coordinated earth stations		Annex 3, point 6.1
2854				1	K	Coordinated VSAT		
2855				1	K	SNG		Annex 3, point 6.1 Exempted from the coordination obligation, but operation is subject to individual authorisation.
2856	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
2857				1	K	Speedometer radars		
2858				1	K	Military radiolocation systems		
2859	RADIO NAVIGATION	5.501	N	1	K	Radio navigation systems		
2860	SPACE RESEARCH	5.501A 5.501B	P	1	T	Space research systems		
2861	Satellite authentic frequency and clock signal (Earth-space)		P	2	K	Satellite authentic frequency and clock signal applications		
2862			PN			SRD		Annex 3, point 9.1
2863				3	K	Radio determination applications		Annex 3, point 9.7.2
2864	**13.75-14 GHz**							
2865	FIXED-SATELLITE (Earth-space)	5.484A 5.502 5.503	P	1	K	GSO satellite systems		Electronic communications service may be provided in the band.
2866				1	K	Coordinated earth stations		Annex 3, point 6.1
2867				1	K	Coordinated VSAT		
2868				1	K	SNG	MSZ EN 301 430	Annex 3, point 6.1 Exempted from the coordination obligation, but operation is subject to individual authorisation.
2869	RADIOLOCATION	5.502 NJE	N	1	K	Radiolocation systems		
2870				1	K	Speedometer radars		
2871				1	K	Military radiolocation systems		
2872	RADIO NAVIGATION	5.501 5.502	N	1	K	Radio navigation systems		
2873	Earth exploration satellite		P	2	K	Applications of Earth exploration-satellite		
2874	Satellite authentic frequency and clock signal (Earth-space)		P	2	K	Satellite authentic frequency and clock signal applications		
2875	Space research	5.503	P	2	T	Space research systems		
2876			PN			SRD		Annex 3, point 9.1
2877				3	K	Radio determination applications		Annex 3, point 9.7.2

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2878	**14-14.25 GHz**							
2879	FIXED-SATELLITE (Earth-space)	5.457A 5.484A 5.504A 5.506	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2880				1	K	Coordinated earth stations		Annex 3, point 6.1
2881				1	K	Coordinated VSAT	MSZ EN 301 428	
2882				1	K	Uncoordinated earth stations		Annex 3, point 6.1
2883				1	K	Uncoordinated VSAT	MSZ EN 301 428	Exempt from individual licensing obligation.
2884				1	K	HEST	ECC/DEC/(06)03 MSZ EN 301 428	
2885				1	K	Ground-based vehicular ESIM, with GSO systems	ECC/DEC/(18)04 MSZ EN 302 448, MSZ EN 302 977	
2886				1	K	Fixed land stations with NGSO systems	ECC/DEC/(17)04 MSZ EN 303 980, MSZ EN 303 981	
2887				1	K	ESIM with NGSO systems	ECC/DEC/(18)05 MSZ EN 303 980, MSZ EN 303 981	
2888				1	K	SNG	MSZ EN 301 430	Annex 3, point 6.1 Exempted from the coordination obligation, but operation is subject to individual authorisation.
2889	RADIO NAVIGATION	5.504	N	1	K	Radio navigation systems		
2890	Mobile-satellite (Earth-space)	5.504A 5.504B 5.504C 5.506A	P	2	K	Land mobile-satellite systems	MSZ EN 301 427	Annex 5 Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
2891				2	K	Non-safety wideband data transmission systems for the aeronautical mobile satellite service		
2892				2	K	AES	ECC/DEC/(05)11 ETSI EN 302 186, MSZ EN 302 186	Only electronic communications services may be provided in the band. Aerodrome ground operation requires the consent of the aviation authority. Exempt from individual licensing obligation. Power: up to 50 dBW EIRP
2893	Space research		P	2	T	Space research systems		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2894	**14.25-14.3 GHz**							
2895	FIXED-SATELLITE (Earth-space)	5.457A 5.484A 5.504A 5.506	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2896				1	K	Coordinated earth stations		Annex 3, point 6.1
2897				1	K	Coordinated VSAT	MSZ EN 301 428	
2898				1	K	Uncoordinated earth stations		Annex 3, point 6.1
2899				1	K	Uncoordinated VSAT	ECC/DEC/(03)04 MSZ EN 301 428	Exempt from individual licensing obligation.
2900				1	K	Ground-based vehicular ESIM, with GSO systems	ECC/DEC/(18)04 MSZ EN 302 448, MSZ EN 302 977	
2901				1	K	Fixed land stations with NGSO systems	ECC/DEC/(17)04 MSZ EN 303 980, MSZ EN 303 981	
2902				1	K	ESIM with NGSO systems	ECC/DEC/(18)05 MSZ EN 303 980, MSZ EN 303 981	
2903				1	K	SNG	MSZ EN 301 430	Annex 3, point 6.1 Exempted from the coordination obligation, but operation is subject to individual authorisation.
2904	RADIO NAVIGATION	5.504	N	1	K	Radio navigation systems		
2905	Mobile-satellite (Earth-space)	5.504A 5.504B 5.506A 5.508A	P	2	K	Land mobile-satellite systems	MSZ EN 301 427	Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
2906				2	K	Non-safety wideband data transmission systems for the aeronautical mobile satellite service		
2907				2	K	AES	ECC/DEC/(05)11 ETSI EN 302 186, MSZ EN 302 186	Only electronic communications services may be provided in the band. Aerodrome ground operation requires the consent of the aviation authority. Exempt from individual licensing obligation. Power: up to 50 dBW EIRP
2908	Space research		P	2	T	Space research systems		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2909	**14.3-14.47 GHz**							
2910	FIXED-SATELLITE (Earth-space)	5.484A 5.504A 5.506	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2911				1	K	Coordinated earth stations		Annex 3, point 6.1
2912				1	K	Coordinated VSAT	MSZ EN 301 428	
2913				1	K	Uncoordinated earth stations		Annex 3, point 6.1
2914				1	K	Uncoordinated VSAT	ECC/DEC/(03)04 MSZ EN 301 428	Exempt from individual licensing obligation.
2915				1	K	Ground-based vehicular ESIM, with GSO systems	ECC/DEC/(18)04 MSZ EN 302 448, MSZ EN 302 977	
2916				1	K	Fixed land stations with NGSO systems	ECC/DEC/(17)04 MSZ EN 303 980, MSZ EN 303 981	
2917				1	K	ESIM with NGSO systems	ECC/DEC/(18)05 MSZ EN 303 980, MSZ EN 303 981	
2918				1	K	SNG	MSZ EN 301 430	Annex 3, point 6.1 Exempted from the coordination obligation, but operation is subject to individual authorisation.
2919	Mobile-satellite (Earth-space)	5.504A 5.504B 5.509A	P	2	K	Land mobile-satellite systems	MSZ EN 301 427	Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
2920				2	K	Non-safety wideband data transmission systems for the aeronautical mobile satellite service		
2921				2	K	AES	ECC/DEC/(05)11 ETSI EN 302 186, MSZ EN 302 186	Only electronic communications services may be provided in the band. Aerodrome ground operation requires the consent of the aviation authority. Exempt from individual licensing obligation. Power: up to 50 dBW EIRP
2922	Space research (space-Earth) (14.4-14.47 GHz)		P	2	T	Space research systems		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2923	**14.47-14.5 GHz**							
2924	FIXED-SATELLITE (Earth-space)	5.149 5.484A 5.504A 5.506	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
2925				1	K	Coordinated earth stations		Annex 3, point 6.1
2926				1	K	Coordinated VSAT	MSZ EN 301 428	
2927				1	K	Uncoordinated earth stations		Annex 3, point 6.1
2928				1	K	Uncoordinated VSAT	ECC/DEC/(03)04 MSZ EN 301 428	Exempt from individual licensing obligation.
2929				1	K	Ground-based vehicular ESIM, with GSO systems	ECC/DEC/(18)04 MSZ EN 302 448, MSZ EN 302 977	
2930				1	K	Fixed land stations with NGSO systems	ECC/DEC/(17)04 MSZ EN 303 980, MSZ EN 303 981	
2931				1	K	ESIM with NGSO systems	ECC/DEC/(18)05 MSZ EN 303 980, MSZ EN 303 981	
2932				1	K	SNG	MSZ EN 301 430	Annex 3, point 6.1 Exempted from the coordination obligation, but operation is subject to individual authorisation.
2933	Mobile-satellite (Earth-space)	5.149 5.504A 5.504B 5.509A	P	2	K	Land mobile-satellite systems	MSZ EN 301 427	Only electronic communications services may be provided in the band. Terminals are exempt from individual licensing obligation.
2934				2	K	Non-safety wideband data transmission systems for the aeronautical mobile satellite service		
2935				2	K	AES	ECC/DEC/(05)11 ETSI EN 302 186, MSZ EN 302 186	Only electronic communications services may be provided in the band. Aerodrome ground operation requires the consent of the aviation authority. Exempt from individual licensing obligation. Power: up to 50 dBW EIRP
2936	Radio astronomy		P	2	K	Radio astronomy applications		
2937	**14.5-14.62 GHz**							
2938	FIXED		P	1	K	Fixed digital point-to-point systems in the 15 GHz band	ITU-R F.1191-3 ERC/REC 12-07 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
2939	Space research	5.509G	P	2	T	Space research systems		
2940	**14.62-14.923 GHz**							
2941	FIXED (14.62-14.809 GHz)	NJE	N	1	K	15 GHz band digital point-to-point systems	ITU-R F.636-5, F.1191-3 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
2942				1	K	Military fixed systems		
2943	MOBILE	NJE	N	1	K	Military mobile systems in the 14.809-14.923 GHz band		
2944				2	K	Military mobile systems in the 14.62-14.809 GHz band		
2945	Space research	5.509G	P	2	T	Space research systems		
2946	**14.923-15.23 GHz**							
2947	FIXED (15.04-15.23 GHz)	NJE	N	1	K	15 GHz band digital point-to-point systems	ITU-R F.636-5, F.1191-3 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
2948				1	K	Military fixed systems		
2949	MOBILE	NJE	N	1	K	Military mobile systems in the 14.923-15.04 GHz band		
2950				2	K	Military mobile systems in the 15.04-15.23 GHz band		
2951	Earth exploration-satellite (passive) (15.2-15.23 GHz)	5.339	P	2	K	Applications of passive Earth exploration-satellite		
2952	Space research		P	2	T	Space research systems		
2953	Space research (passive) (15.2-15.23 GHz)	5.339	P	2	K	Systems of passive space research		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2954	**15.23-15.35 GHz**							
2955	FIXED		P	1	K	Fixed digital point-to-point systems in the 15 GHz band	ITU-R F.1191-3 ERC/REC 12-07 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
2956	Earth exploration-satellite (passive)	5.339	P	2	K	Applications of passive Earth exploration-satellite		
2957	Space research		P	2	T	Space research systems		
2958	Space research (passive)	5.339	P	2	K	Systems of passive space research		
2959	**15.35-15.4 GHz**							
2960		5.340						
2961	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
2962	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
2963	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
2964	**15.4-15.43 GHz**							
2965	RADIOLOCATION	5.511E	E	1	T	Radiolocation systems		
2966		5.511F NJÖ		1	T	Military radiolocation systems		
2967	AERONAUTICAL RADIONAVIGATION		E	1	K	Surface movement radars	ITU-R S.1340-0	
2968				1	K	Airborne RSMS		
2969				1	K	ALS, not fixed		
2970				1	K	Airborne surveillance radars		
2971	**15.43-15.63 GHz**							
2972	RADIOLOCATION	5.511E	E	1	T	Radiolocation systems		
2973		5.511F NJÖ		1	T	Military radiolocation systems		
2974	AERONAUTICAL RADIONAVIGATION	5.511C	E	1	K	Surface movement radars	ITU-R S.1340-0	
2975				1	K	Airborne RSMS		
2976				1	K	ALS, not fixed		
2977				1	K	Airborne surveillance radars		
2978	**15.63-15.7 GHz**							
2979	RADIOLOCATION	5.511E	E	1	T	Radiolocation systems		
2980		5.511F NJÖ		1	T	Military radiolocation systems		
2981	AERONAUTICAL RADIONAVIGATION		E	1	K	Surface movement radars	ITU-R S.1340-0	
2982				1	K	Airborne RSMS		
2983				1	K	ALS, not fixed		
2984				1	K	Airborne surveillance radars		
2985	**15.7-16.6 GHz**							
2986	RADIOLOCATION	NJE	E	1	K	Radiolocation systems		
2987				1	K	Surface movement radars	ITU-R S.1340-0	
2988				1	K	Military radiolocation systems		
2989	**16.6-17.1 GHz**							
2990	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
2991				1	K	Speedometer radars		
2992				1	K	Military radiolocation systems		
2993	Space research (deep space) (Earth-space)		P	2	T	Space research systems		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
2994	**17.1-17.2 GHz**							
2995	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
2996				1	K	Speedometer radars		
2997				1	K	Military radiolocation systems		
2998			PN			SRD		Annex 3, point 9.1
2999				3	K	Radio determination applications		Annex 3, point 9.7.1
3000	**17.2-17.3 GHz**							
3001	EARTH EXPLORATION-SATELLITE (active)	5.513A	P	1	K	Applications of active Earth exploration-satellite		
3002	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
3003				1	K	Speedometer radars		
3004				1	K	Military radiolocation systems		
3005	SPACE RESEARCH (active)	5.513A	P	1	T	Systems for active space research		
3006			PN			SRD		Annex 3, point 9.1
3007				3	K	Radio determination applications		Annex 3, point 9.7.1
3008	**17.3-17.7 GHz**							
3009	FIXED-SATELLITE (space-Earth)	5.516A 5.516B	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3010				1	K	Coordinated earth stations		
3011				1	K	Uncoordinated earth stations	ECC/DEC/(05)08	Annex 3, point 6.1 Exempt from individual licensing obligation.
3012				1	K	HDFSS uncoordinated earth stations		
3013				1	K	ESOMP	ECC/DEC/(13)01, ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3014	FIXED-SATELLITE (Earth-space)	5.516	P	1	K	Feeder links of GSO satellite systems for satellite broad-casting		
3015	Radiolocation	NJE	N	2	K	Radiolocation systems		
3016				2	K	Military radiolocation systems		
3017	**17.7-18.1 GHz**							
3018	FIXED		P	1	K	Fixed digital point-to-point systems in the 18 GHz band	ITU-R F.1191-3 ERC/DEC/(00)07, ERC/REC 12-03 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
3019			N					Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
3020	FIXED-SATELLITE (space-Earth)	5.484A 5.517A	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3021				1	K	Coordinated earth stations	ERC/DEC/(00)07	
3022				1	K	Uncoordinated earth stations	ERC/DEC/(00)07 MSZ EN 301 360, MSZ EN 301 459	Annex 3, point 6.1 Exempt from individual licensing obligation.
3023				1	K	ROES	ERC/DEC/(99)26, ERC/DEC/(00)07	
3024				1	K	ESOMP	ERC/DEC/(00)07, ECC/DEC/(13)01 ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3025	FIXED-SATELLITE (Earth-space)	5.516	P	1	K	Feeder links of GSO satellite systems for satellite broad-casting		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3026	**18.1-18.4 GHz**							
3027	FIXED		P	1	K	Fixed digital point-to-point systems in the 18 GHz band	ITU-R F.1191-3 ERC/DEC/(00)07, ERC/REC 12-03 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
3028			N					Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
3029	FIXED-SATELLITE (space-Earth)	5.484A 5.517A	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3030				1	K	Coordinated earth stations	ERC/DEC/(00)07	
3031				1	K	Uncoordinated earth stations	ERC/DEC/(00)07 MSZ EN 301 360, MSZ EN 301 459	Annex 3, point 6.1 Exempt from individual licensing obligation.
3032				1	K	ROES	ERC/DEC/(99)26, ERC/DEC/(00)07	
3033				1	K	ESOMP	ECC/DEC/(00)07, ECC/DEC/(13)01 ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3034	FIXED-SATELLITE (Earth-space)	5.520	P	1	K	Feeder links of GSO satellite systems for satellite broad-casting		
3035	METEOROLOGICAL-SATELLITE (space-Earth)	5.519	P	1	K	Meteorological-satellite systems		
3036	**18.4-18.6 GHz**							
3037	FIXED		P	1	K	Fixed digital point-to-point systems in the 18 GHz band	ITU-R F.1191-3 ERC/DEC/(00)07, ERC/REC 12-03 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
3038			N					Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
3039	FIXED-SATELLITE (space-Earth)	5.484A 5.517A	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3040				1	K	Coordinated earth stations	ERC/DEC/(00)07	
3041				1	K	Uncoordinated earth stations	ERC/DEC/(00)07 MSZ EN 301 360, MSZ EN 301 459	Annex 3, point 6.1 Exempt from individual licensing obligation.
3042				1	K	ROES	ERC/DEC/(99)26, ERC/DEC/(00)07	
3043				1	K	ESOMP	ERC/DEC/(00)07, ECC/DEC/(13)01 ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3044	**18.6-18.8 GHz**							
3045	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3046	FIXED	5.522A	P	1	K	Fixed digital point-to-point systems in the 18 GHz band	ITU-R F.1191-3 ERC/DEC/(00)07, ERC/REC 12-03 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
3047			N					Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
3048	FIXED-SATELLITE (space-Earth)	5.517A 5.522A 5.522B	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3049				1	K	Coordinated earth stations	ERC/DEC/(00)07	
3050				1	K	Uncoordinated earth stations	ERC/DEC/(00)07 MSZ EN 301 360, MSZ EN 301 459	Annex 3, point 6.1 Exempt from individual licensing obligation.
3051				1	K	ROES	ERC/DEC/(99)26, ERC/DEC/(00)07	
3052				1	K	ESOMP	ECC/DEC/(00)07, ECC/DEC/(13)01 ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3053	Space research (passive)		P	2	K	Systems of passive space research		
3054	**18.8-19.3 GHz**							
3055	FIXED		P	1	K	Fixed digital point-to-point systems in the 18 GHz band	ITU-R F.1191-3 ERC/DEC/(00)07, ERC/REC 12-03 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
3056			N					Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
3057	FIXED-SATELLITE (space-Earth)	5.517A 5.523A	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3058				1	K	Coordinated earth stations	ERC/DEC/(00)07	
3059				1	K	Uncoordinated earth stations	ERC/DEC/(00)07 MSZ EN 301 360, MSZ EN 301 459	Annex 3, point 6.1 Exempt from individual licensing obligation.
3060				1	K	ROES	ERC/DEC/(99)26, ERC/DEC/(00)07	
3061				1	K	ESOMP	ERC/DEC/(00)07, ECC/DEC/(13)01 ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3062	**19.3-19.7 GHz**							
3063	FIXED		P	1	K	Fixed digital point-to-point systems in the 18 GHz band	ITU-R F.1191-3 ERC/DEC/(00)07, ERC/REC 12-03 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
3064			N					Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained after the civil and non-civil radio spectrum management aspects are harmonised.
3065	FIXED-SATELLITE (space-Earth)	5.517A	P	1	K	Feeder links for NGSO systems of mobile-satellite services		
3066		5.523C 5.523D 5.523E		1	K	Iridium central earth station	ERC/DEC/(00)07	
3067				1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3068				1	K	Coordinated earth stations	ERC/DEC/(00)07	
3069				1	K	Uncoordinated earth stations	ERC/DEC/(00)07 MSZ EN 301 360, MSZ EN 301 459	Annex 3, point 6.1 Exempt from individual licensing obligation.
3070				1	K	ROES	ERC/DEC/(99)26, ERC/DEC/(00)07	
3071				1	K	ESOMP	ERC/DEC/(00)07, ECC/DEC/(13)01 ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3072	**19.7-20.1 GHz**							
3073	FIXED-SATELLITE (space-Earth)	5.484A 5.516B	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3074		5.527A		1	K	Coordinated earth stations		
3075				1	K	Uncoordinated earth stations	ECC/DEC/(05)08	Annex 3, point 6.1 Exempt from individual licensing obligation.
3076				1	K	HDFSS uncoordinated earth stations	ECC/DEC/(05)08 MSZ EN 301 360, MSZ EN 301 459	
3077				1	K	HEST	ECC/DEC/(06)03 MSZ EN 301 360, MSZ EN 301 459	
3078				1	K	ROES	ERC/DEC/(99)26	
3079				1	K	ESOMP	ECC/DEC/(13)01, ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3080	Mobile-satellite (space-Earth)		P					
3081	**20.1-20.2 GHz**							
3082	FIXED-SATELLITE (space-Earth)	5.484A 5.516B	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3083		5.525		1	K	Coordinated earth stations		
3084		5.526 5.527A		1	K	Uncoordinated earth stations	ECC/DEC/(05)08	Annex 3, point 6.1 Exempt from individual licensing obligation.
3085				1	K	HDFSS uncoordinated earth stations	ECC/DEC/(05)08 MSZ EN 301 360, MSZ EN 301 459	
3086				1	K	HEST	ECC/DEC/(06)03 MSZ EN 301 360, MSZ EN 301 459	
3087				1	K	ROES	ERC/DEC/(99)26	
3088				1	K	ESOMP	ECC/DEC/(13)01, ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3089	MOBILE-SATELLITE (space-Earth)	5.525 5.526 5.527 5.528	P					

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3090	**20.2-21.2 GHz**							
3091	FIXED-SATELLITE (space-Earth)	NJE	N	1	K	Military satellite systems		Annex 3, point 6.1 Uncoordinated terminals (end-user stations) are exempted from individual licensing obligations.
3092	MOBILE-SATELLITE (space-Earth)	NJE	N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
3093	Satellite authentic frequency and clock signal (space-Earth)		P	2	K	Satellite authentic frequency and clock signal applications		
3094	**21.2-21.4 GHz**							
3095	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3096	FIXED		P	1	K	22 GHz band analogue and digital radio and television news transmission systems and radio and television broadcast transmission systems	ERC/REC 25-10 ETSI EN 302 064-2, MSZ EN 302 064 MSZ EN 302 217-4	Annex 3, point 2.5 Annex 3, point 2.7 Annex 4
3097	MOBILE	NJE	P	1	K	Cordless cameras	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	
3098			N	1	T	Military aeronautical mobile systems		
3099	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3100	**21.4-22 GHz**							
3101	BROADCASTING-SATELLITE	5.208B 5.530A	P	1	K	Satellite broadcasting	ITU-R BO.1776-1, BO.1900-0 MSZ EN 301 360, MSZ EN 301 459	Only electronic communications services may be provided in the band.
3102			PN			SRD		Annex 3, point 9.1
3103				3	K	TTT applications in the 21.65–22 GHz band		Annex 3, point 9.6.1
3104	**22-22.21 GHz**							
3105	FIXED	5.149	P	1	K	Fixed digital point-to-point systems in the 23 GHz band	ITU-R F.1191-3 Recommendation T/R 13-02, point 1.1 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4
3106			PN			SRD		Annex 3, point 9.1
3107				3	K	TTT applications		Annex 3, point 9.6.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3108	**22.21-22.5 GHz**							
3109	EARTH EXPLORATION-SATELLITE (passive)	5.532	P	1	K	Applications of passive Earth exploration-satellite		
3110	FIXED (22.21-22.456 GHz)	5.149 5.532	P	1	K	Fixed digital point-to-point systems in the 23 GHz band	ITU-R F.1191-3 Recommendation T/R 13-02, point 1.1 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 A channel with a bandwidth of 56 MHz may only be used in the range 22.4–22.456/23.408–23.464 GHz in accordance with Recommendation T/R 13-02, Annex 1, Section A1.1, point (b2) (channel 8). Rights of use for radio spectrum in the range of 22.428–22.456/23.436–23.464 GHz can be obtained after harmonisation of the civil and non-civil radio spectrum management aspects.
3111	FIXED (22.442-22.5 GHz)	5.149 5.532	N	1	K	23 GHz band digital point-to-point systems		Annex 3, point 2.5 Annex 4 In the range of 22.442–22.456/23.45–23.464 GHz, only stations that have a valid radio licence on 15 February 2024 and which have been in operation since 15 February 2024 may be operated. Rights of use for radio spectrum in the range of 22.456–22.484/23.464–23.492 GHz can be obtained after harmonisation of the civil and non-civil radio spectrum management aspects.
3112	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		In order to ensure protection, the station must be notified to the Authority.
3113	SPACE RESEARCH (passive)	5.532	P	1	K	Systems of passive space research		
3114			PN			SRD		Annex 3, point 9.1
3115				3	K	TTT applications		Annex 3, point 9.6.1
3116	**22.5-22.6 GHz**							
3117	FIXED		N	1	K	23 GHz band digital point-to-point systems	ITU-R F.1191-3 Recommendation T/R 13-02, point 1.1 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 A channel with a bandwidth of 56 MHz may only be used in the range of 22.512–22.568/23.520–23.576 GHz in accordance with Recommendation T/R 13-02, Annex 1, Section A1.1, point (b2) (channel 10).
3118	SPACE RESEARCH (Earth-space) (22.55-22.6 GHz)	5.532A	P	1	T	Space research systems		
3119			PN			SRD		Annex 3, point 9.1
3120				3	K	TTT applications		Annex 3, point 9.6.1
3121	**22.6-23 GHz**							
3122	FIXED	5.149	P	1	K	22 GHz band analogue and digital radio and television news transmission systems and radio and television broadcast transmission systems	ERC/REC 25-10 ETSI EN 302 064-2, MSZ EN 302 064 MSZ EN 302 217-4	Annex 3, point 2.5 Annex 4
3123				1	K	Analogue systems		Annex 3, point 2.7
3124				1	K	Digital systems	Recommendation T/R 13-02, points 1.2 and 1.3	
3125	MOBILE	5.149	P	1	K	Cordless cameras	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	
3126	SPACE RESEARCH (Earth-space)	5.149 5.532A	P	1	T	Space research systems		
3127			PN			SRD		Annex 3, point 9.1
3128				3	K	TTT applications		Annex 3, point 9.6.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3129	**23-23.464 GHz**							
3130	FIXED	5.149	P	1	K	Fixed digital point-to-point systems in the 23 GHz band	ITU-R F.1191-3 Recommendation T/R 13-02, point 1.1 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 A channel with a bandwidth of 56 MHz may only be used in the range of 22.4–22.456/23.408–23.464 GHz in accordance with Recommendation T/R 13-02, Annex 1, Section A1.1, point (b2) (channel 8). Rights of use for radio spectrum in the range of 22.428–22.456/23.436–23.464 GHz can be obtained after harmonisation of the civil and non-civil radio spectrum management aspects.
3131	FIXED (23.45-23.464 GHz)		N	1	K	23 GHz band digital point-to-point systems		Annex 3, point 2.5 Annex 4 In the range of 22.442–22.456/23.45–23.464 GHz, only stations that have a valid radio license on 15 February 2024 and which have been in operation since 15 February 2024 may be operated.
3132	SPACE RESEARCH (Earth-space) (23-23.15 GHz)	5.149 5.532A	P	1	T	Space research systems		
3133			PN			SRD		Annex 3, point 9.1
3134				3	K	TTT applications		Annex 3, point 9.6.1
3135	**23.464-23.6 GHz**							
3136	FIXED		N	1	K	23 GHz band digital point-to-point systems	ITU-R F.1191-3 Recommendation T/R 13-02, point 1.1 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 A channel with a bandwidth of 56 MHz may only be used in the range of 22.512–22.568/23.52–23.576 GHz in accordance with Recommendation T/R 13-02, Annex 1, Section A1.1, point (b2) (channel 10). Rights of use for radio spectrum in the range of 22.456–22.484/23.464–23.492 GHz can be obtained after harmonisation of the civil and non-civil radio spectrum management aspects.
3137			PN			SRD		Annex 3, point 9.1
3138				3	K	TTT applications		Annex 3, point 9.6.1
3139	**23.6-24 GHz**							
3140		5.340						
3141	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3142	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		In order to ensure protection, the station must be notified to the Authority.
3143	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3144			PN			SRD		Annex 3, point 9.1
3145				3	K	TTT applications		Annex 3, point 9.6.1
3146	**24-24.05 GHz**							
3147	AMATEUR	5.150	P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3148	AMATEUR SATELLITE	5.150	P	1	K	Amateur radio satellite		
3149			PN			SRD		Annex 3, point 9.1
3150				3	K	Non-specific applications		Annex 3, point 9.2.2
3151				3	K	TTT applications		Annex 3, point 9.6.1
3152		5.150	PN	-	Ü	ISM applications		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3153	**24.05-24.25 GHz**							
3154	RADIOLOCATION	5.150	E	1	K	Radiolocation systems		
3155		NJE		1	K	Military radiolocation systems		
3156	Amateur	5.150	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3157	Earth exploration-satellite (active)	5.150	P	2	K	Applications of active Earth exploration-satellite		
3158			PN			SRD		Annex 3, point 9.1
3159				3	K	Non-specific applications		Annex 3, point 9.2.1 Annex 3, point 9.2.2
3160				3	K	TTT applications		Annex 3, point 9.6.1
3161				3	K	Radio determination applications		Annex 3, point 9.7.1 Annex 3, point 9.7.2
3162		5.150	PN	-	Ü	ISM applications		
3163	**24.25-24.5 GHz**							
3164	FIXED		P	1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3165	INTER-SATELLITE (24.45-24.5 GHz)		P	1	T	Inter-satellite service applications		
3166	MOBILE, except aeronautical mobile	5.338A 5.532AB	P	1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3167				1	T	IMT		
3168			PN			SRD		Annex 3, point 9.1
3169				3	K	TTT applications		Annex 3, point 9.6.1
3170				3	K	Radio determination applications		Annex 3, point 9.7.1
3171	**24.5-25.25 GHz**							
3172	FIXED		P	1	K	Fixed digital point-to-point systems in the 26 GHz band	ITU-R F.1191-3 Recommendation T/R 13-02, point 2 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 3, point 2.11 Annex 3, point 3.13 Annex 4
3173				1	K	26 GHz band digital point-to-multipoint systems	ECC/REC/(11)01 ETSI EN 302 326-2, MSZ EN 302 326-2 MSZ EN 302 326-3	Annex 3, point 2.11 Annex 3, point 3.13 Annex 4 User stations shall be exempt from individual licensing obligation.
3174				1	K	FWA		
3175				1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3176	FIXED-SATELLITE (Earth-space) (24.65-25.25 GHz)	5.532B	E	1	T	Fixed-satellite service applications		
3177	INTER-SATELLITE (24.5-24.75 GHz)		P	1	T	Inter-satellite service applications		
3178	MOBILE, except aeronautical mobile	5.338A 5.532AB	P	1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3179				1	T	IMT		
3180			PN			SRD		Annex 3, point 9.1
3181				3	K	TTT applications		Annex 3, point 9.6.1
3182				3	K	Radio determination applications		Annex 3, point 9.7.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3183	**25.25-25.5 GHz**							
3184	FIXED		P	1	K	Fixed digital point-to-point systems in the 26 GHz band	ITU-R F.1191-3 Recommendation T/R 13-02, point 2 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 3, point 2.11 Annex 3, point 3.13 Annex 4
3185				1	K	26 GHz band digital point-to-multipoint systems	ECC/REC/(11)01 ETSI EN 302 326-2, MSZ EN 302 326-2 MSZ EN 302 326-3	Annex 3, point 2.11 Annex 3, point 3.13 Annex 4 User stations shall be exempt from individual licensing obligation.
3186				1	K	FWA		
3187				1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3188	INTER-SATELLITE	5.536	P	1	T	Inter-satellite service applications		
3189	MOBILE	5.338A 5.532AB	P	1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3190				1	T	IMT		
3191	Satellite authentic frequency and clock signal (Earth-space)		P	2	K	Satellite authentic frequency and clock signal applications		
3192			PN			SRD		Annex 3, point 9.1
3193				3	K	TTT applications		Annex 3, point 9.6.1
3194				3	K	Radio determination applications		Annex 3, point 9.7.1
3195	**25.5-26.5 GHz**							
3196	EARTH EXPLORATION-SATELLITE (space-Earth)	5.536A 5.536B	P	1	K	Applications of Earth exploration-satellite		
3197	FIXED		P	1	K	Fixed digital point-to-point systems in the 26 GHz band	ITU-R F.1191-3 Recommendation T/R 13-02, point 2 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 3, point 2.11 Annex 3, point 3.13 Annex 4
3198				1	K	26 GHz band digital point-to-multipoint systems	ECC/REC/(11)01 ETSI EN 302 326-2, MSZ EN 302 326-2 MSZ EN 302 326-3	Annex 3, point 2.11 Annex 3, point 3.13 Annex 4 User stations are exempt from individual licensing obligation.
3199				1	K	FWA		
3200				1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3201	INTER-SATELLITE	5.536	P	1	T	Inter-satellite service applications		
3202	MOBILE	5.338A 5.532AB	P	1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3203				1	T	IMT		
3204	SPACE RESEARCH (space-Earth)	5.536A	P	1	T	Space research systems		
3205	Satellite authentic frequency and clock signal (Earth-space)		P	2	K	Satellite authentic frequency and clock signal applications		
3206			PN			SRD		Annex 3, point 9.1
3207				3	K	TTT applications		Annex 3, point 9.6.1
3208				3	K	Radio determination applications		Annex 3, point 9.7.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3209	**26.5-27 GHz**							
3210	EARTH EXPLORATION-SATELLITE (space-Earth)	5.536A 5.536B	P	1	K	Applications of Earth exploration-satellite		
3211	FIXED	NJE	P	1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3212			N	1	K	26 GHz band digital point-to-point systems		Annex 3, point 2.5
3213				1	K	Military fixed systems		Rights of use for radio spectrum may be obtained after harmonisation of the civil and non-civil radio spectrum management aspects, subject to Commission Implementing Decision (EU) 2019/784.
3214	INTER-SATELLITE	5.536	P	1	T	Inter-satellite service applications		
3215	MOBILE	5.338A 5.532AB NJE	P	1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3216				1	T	IMT		
3217			N	1	K	Single-frequency and dual-frequency systems		Rights of use for radio spectrum may be obtained after harmonisation of the civil and non-civil radio spectrum management aspects, subject to Commission Implementing Decision (EU) 2019/784.
3218				1	K	Military mobile systems		
3219	SPACE RESEARCH (space-Earth)	5.536A	P	1	T	Space research systems		
3220	Satellite authentic frequency and clock signal (Earth-space)		P	2	K	Satellite authentic frequency and clock signal applications		
3221			PN			SRD		Annex 3, point 9.1
3222				3	K	TTT applications in the 26.5-26.65 GHz band		Annex 3, point 9.6.1
3223				3	K	Radio determination applications		Annex 3, point 9.7.1
3224	**27-27.5 GHz**							
3225	FIXED	NJE	P	1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3226			N	1	K	26 GHz band digital point-to-point systems		Annex 3, point 2.5
3227				1	K	Military fixed systems		Rights of use for radio spectrum may be obtained after harmonisation of the civil and non-civil radio spectrum management aspects, subject to Commission Implementing Decision (EU) 2019/784.
3228	INTER-SATELLITE	5.536	P	1	T	Inter-satellite service applications		
3229	MOBILE	5.338A 5.532AB NJE	P	1	T	Terrestrial systems capable of providing electronic communications services	(EU) 2019/784, (EU) 2020/590 ECC/DEC/(18)06	
3230				1	T	IMT		
3231			N	1	K	Single-frequency and dual-frequency systems		Rights of use for radio spectrum may be obtained after harmonisation of the civil and non-civil radio spectrum management aspects, subject to Commission Implementing Decision (EU) 2019/784.
3232				1	K	Military mobile systems		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3233	**27.5-28.5 GHz**							
3234	FIXED		P	1	T	Digital point-to-multipoint systems and fixed digital point-to-point systems in the 27.8285-28.4445 GHz band	ECC/DEC/(05)01	
3235	FIXED-SATELLITE (Earth-space)	5.484A 5.516B 5.517A	P	1	K	Fixed-satellite service applications in the 27.5-27.8285 GHz and 28.4445-28.5 GHz bands		Electronic communications service may be provided in the band.
3236				1	K	Coordinated earth stations		Annex 3, point 6.1
3237				1	K	Uncoordinated earth stations	ECC/DEC/(05)01 MSZ EN 301 360	Annex 3, point 6.1 Annex 3, point 6.2 Exempt from individual licensing obligation.
3238				1	K	HDFSS uncoordinated earth stations in the 27.5-27.82 GHz and 28.45-28.5 GHz bands		
3239				1	K	ESOMP	ECC/DEC/(13)01, ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3240						Fixed-satellite service applications in the 27.8285-28.4445 GHz band		Electronic communications service may be provided in the band.
3241				1	K	Coordinated earth stations		Annex 3, point 6.1
3242				1	K	ESOMP	ECC/DEC/(13)01 MSZ EN 303 978	Annex 3, point 6.1 Annex 3, point 6.2 Exempt from individual licensing obligation.
3243	**28.5-29.1 GHz**							
3244	FIXED		P	1	T	Digital point-to-multipoint systems and fixed digital point-to-point systems in the 28.9485-29.1 GHz band	ECC/DEC/(05)01	
3245	FIXED-SATELLITE (Earth-space)	5.484A 5.516B 5.517A 5.523A	P	1	K	Fixed-satellite service applications in the 28.5-28.9485 GHz band		Electronic communications service may be provided in the band.
3246				1	K	Coordinated earth stations		Annex 3, point 6.1
3247				1	K	Uncoordinated earth stations	ECC/DEC/(05)01 MSZ EN 301 360	Annex 3, point 6.1 Annex 3, point 6.2 Exempt from individual licensing obligation.
3248				1	K	HDFSS uncoordinated earth stations in the 28.5-28.94 GHz band		
3249				1	K	ESOMP	ECC/DEC/(13)01, ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3250						Fixed-satellite service applications in the 28.9485-29.1 GHz band		Electronic communications service may be provided in the band.
3251				1	K	Coordinated earth stations		Annex 3, point 6.1
3252				1	K	ESOMP	ECC/DEC/(13)01 MSZ EN 303 978	Annex 3, point 6.1 Annex 3, point 6.2 Exempt from individual licensing obligation.
3253	Earth exploration-satellite (space-Earth)	5.541	P	2	K	Applications of Earth exploration-satellite		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3254	**29.1-29.5 GHz**							
3255	FIXED		P	1	T	Digital point-to-multipoint systems and fixed digital point-to-point systems in the 29.1-29.4525 GHz band	ECC/DEC/(05)01	
3256	FIXED-SATELLITE (Earth-space)	5.516B 5.517A 5.523C 5.523E 5.535A 5.541A	P	1	K	Feeder links for NGSO systems of mobile-satellite services		
3257				1	K	Iridium central earth station		
3258				1	K	Fixed-satellite service applications in the 29.4525-29.5 GHz band		Electronic communications service may be provided in the band.
3259				1	K	Coordinated earth stations		Annex 3, point 6.1
3260				1	K	Uncoordinated earth stations	ECC/DEC/(05)01 MSZ EN 301 360	Annex 3, point 6.1 Annex 3, point 6.2 Exempt from individual licensing obligation.
3261				1	K	HDFSS uncoordinated earth stations in the 29.46-29.5 GHz band		
3262				1	K	ESOMP	ECC/DEC/(13)01 MSZ EN 303 978	
3263						Fixed-satellite service applications in the 29.1-29.4525 GHz band		Electronic communications service may be provided in the band.
3264				1	K	Coordinated earth stations		Annex 3, point 6.1
3265				1	K	ESOMP	ECC/DEC/(13)01 MSZ EN 303 978	Annex 3, point 6.1 Annex 3, point 6.2 Exempt from individual licensing obligation.
3266	Earth exploration-satellite (space-Earth)	5.541	P	2	K	Applications of Earth exploration-satellite		
3267	**29.5-29.9 GHz**							
3268	FIXED-SATELLITE (Earth-space)	5.484A 5.516B 5.527A	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3269				1	K	Coordinated earth stations		Annex 3, point 6.1
3270				1	K	Uncoordinated earth stations	ECC/DEC/(05)08	Annex 3, point 6.1 Annex 3, point 6.2 Exempt from individual licensing obligation.
3271				1	K	HDFSS uncoordinated earth stations	ECC/DEC/(05)08 MSZ EN 301 459	
3272				1	K	HEST	ECC/DEC/(06)03 MSZ EN 301 459	
3273				1	K	ESOMP	ECC/DEC/(13)01, ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3274	Earth exploration-satellite (Earth-space)	5.541	P	2	K	Applications of Earth exploration-satellite		
3275	Mobile-satellite (Earth-space)		P					

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3276	**29.9-30 GHz**							
3277	FIXED-SATELLITE (Earth-space)	5.484A 5.516B	P	1	K	Fixed-satellite service applications		Electronic communications service may be provided in the band.
3278		5.525		1	K	Coordinated earth stations		Annex 3, point 6.1
3279		5.526 5.527A		1	K	Uncoordinated earth stations	ECC/DEC/(05)08	Annex 3, point 6.1 Annex 3, point 6.2 Exempt from individual licensing obligation.
3280				1	K	HDFSS uncoordinated earth stations	ECC/DEC/(05)08 MSZ EN 301 459	
3281				1	K	HEST	ECC/DEC/(06)03 MSZ EN 301 459	
3282				1	K	ESOMP	ECC/DEC/(13)01, ECC/DEC/(15)04 MSZ EN 303 978, MSZ EN 303 979	
3283	MOBILE-SATELLITE (Earth-space)	5.525 5.526 5.527	P					
3284	Earth exploration-satellite (Earth-space)	5.541	P	2	K	Applications of Earth exploration-satellite		
3285	**30-31 GHz**							
3286	FIXED-SATELLITE (Earth-space)	5.338A NJE	E	1	K	Fixed-satellite service applications	ECC/DEC/(10)02	Electronic communications service may be provided in the band. Maximum power levels of unwanted emission under clear sky conditions in the 31.3-31.5 GHz band on the earth station's antenna port: - -9 dBW for earth stations with antenna gain of 56 dBi or more, - -20 dBW for earth stations with antenna gain of less than 56 dBi.
3287				1	K	Coordinated earth stations		Annex 3, point 6.1
3288				1	K	Coordinated VSAT		
3289				1	K	Uncoordinated earth stations		Annex 3, point 6.1
3290				1	K	Uncoordinated VSAT		Exempt from individual licensing obligation.
3291				1	K	Military satellite systems		Annex 3, point 6.1 Uncoordinated terminals are exempted from individual licensing obligation.
3292	MOBILE-SATELLITE (Earth-space)	NJE	N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
3293	Satellite authentic frequency and clock signal (space-Earth)		P	2	K	Satellite authentic frequency and clock signal applications		
3294	**31-31.3 GHz**							
3295	FIXED	5.149 5.338A	P	1	K	Fixed digital point-to-point systems in the 31 GHz band	ITU-R F.1191-3 ECC/REC/(02)02 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 3, point 2.12 Annex 4
3296	Satellite authentic frequency and clock signal (space-Earth)	5.149	P	2	K	Satellite authentic frequency and clock signal applications		
3297	Space research	5.149 5.544	P	2	T	Space research systems		
3298	**31.3-31.5 GHz**							
3299		5.340						
3300	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3301	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3302	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3303	**31.5-31.8 GHz**							
3304	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3305	FIXED	5.149 5.546	P	1	K	Fixed digital point-to-point systems in the 31 GHz band	ITU-R F.1191-3 ECC/REC/(02)02 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 3, point 2.12 Annex 4
3306	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3307	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3308	**31.8-33 GHz**							
3309	FIXED	5.547 5.547A	P	1	K	Fixed digital point-to-point systems in the 32 GHz band	ITU-R F.1191-3 ERC/REC/(01)02 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 3, point 2.13 Annex 3, point 3.13 Annex 4
3310				1	K	32 GHz digital point-to-multipoint systems	ERC/REC/(01)02, ECC/REC/(11)01 ETSI EN 302 326-2, MSZ EN 302 326-2 MSZ EN 302 326-3	Annex 3, point 2.13 Annex 3, point 3.13 Annex 4 User stations are exempt from individual licensing obligation.
3311				1	K	FWA		
3312	RADIO NAVIGATION	5.548	E	1	K	Surface movement radars		
3313	SPACE RESEARCH (deep space) (space-Earth) (31.8-32.3 GHz)	5.548	P	1	T	Space research systems		
3314	**33-33.4 GHz**							
3315	FIXED	5.547 5.547A	P	1	K	Fixed digital point-to-point systems in the 32 GHz band	ITU-R F.1191-3 ERC/REC/(01)02 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 3, point 2.13 Annex 3, point 3.13 Annex 4
3316				1	K	32 GHz band digital point-to-multipoint systems	ERC/REC/(01)02, ECC/REC/(11)01 ETSI EN 302 326-2, MSZ EN 302 326-2 MSZ EN 302 326-3	Annex 3, point 2.13 Annex 3, point 3.13 Annex 4 User stations are exempt from individual licensing obligation.
3317				1	K	FWA		
3318	RADIO NAVIGATION		E	1	K	Surface movement radars		
3319	**33.4-35.2 GHz**							
3320	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
3321				1	K	Meteorological radars		
3322				1	K	Speedometer radars		
3323				1	K	Military radiolocation systems		
3324	SPACE RESEARCH (deep space) (Earth-space (34.2-34.7 GHz)		P	1	T	Space research systems		
3325	Space research (34.7-35.2 GHz)		P	2	T	Space research systems		
3326	**35.2-36 GHz**							
3327	METEOROLOGY		E	1	K	Meteorological applications		
3328	EARTH EXPLORATION-SATELLITE (active) (35.5-36 GHz)	5.549A	P	1	K	Applications of active Earth exploration-satellite		
3329	RADIOLOCATION	NJE	N	1	K	Radiolocation systems		
3330				1	K	Meteorological radars		
3331				1	K	Speedometer radars		
3332				1	K	Military radiolocation systems		
3333	SPACE RESEARCH (active) (35.5-36 GHz)	5.549A	P	1	T	Systems of active space research		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3334	**36-37 GHz**							
3335	EARTH EXPLORATION-SATELLITE (passive)	5.550A	P	1	K	Applications of passive Earth exploration-satellite		
3336	FIXED	5.149 5.550A	N	1	K	Military fixed systems		
3337	MOBILE	5.149 5.550A	N	1	K	Military mobile systems		
3338	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3339	**37-37.926 GHz**							
3340	FIXED	5.547	P	1	K	Fixed digital point-to-point systems in the 38 GHz band	ITU-R F.1191-3 ERC/DEC/(00)02, T/R 12-01 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained in the 37.016-37.926/38.276-39.186 GHz band.
3341	FIXED-SATELLITE (space-Earth) (37.5-37.926 GHz)	5.550C	P	1	T	Fixed-satellite service applications	ERC/DEC/(00)02	
3342	SPACE RESEARCH (space-Earth)		P	1	T	Space research systems		
3343	Earth exploration-satellite (space-Earth) (37.5-37.926 GHz)		P	2	K	Applications of Earth exploration-satellite		
3344	**37.926-38.248 GHz**							
3345	FIXED	5.547	N	1	K	38 GHz band digital point-to-point systems	ITU-R F.1191-3 ERC/DEC/(00)02, T/R 12-01 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained in the 37.926-38.22/39.186-39.48 GHz band.
3346	FIXED-SATELLITE (space-Earth)	5.550C	P	1	T	Fixed-satellite service applications	ERC/DEC/(00)02	
3347	SPACE RESEARCH (space-Earth) (37.926-38 GHz)		P	1	T	Space research systems		
3348	Earth exploration-satellite (space-Earth)		P	2	K	Applications of Earth exploration-satellite		
3349	**38.248-39.186 GHz**							
3350	FIXED	5.547	P	1	K	Fixed digital point-to-point systems in the 38 GHz band	ITU-R F.1191-3 ERC/DEC/(00)02, T/R 12-01 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained in the 37.016-37.926/38.276-39.186 GHz band.
3351	FIXED-SATELLITE (space-Earth)	5.550C	P	1	T	Fixed-satellite service applications	ERC/DEC/(00)02	
3352	Earth exploration-satellite (space-Earth)		P	2	K	Applications of Earth exploration-satellite		
3353	**39.186-39.5 GHz**							
3354	FIXED	5.547	N	1	K	38 GHz band digital point-to-point systems	ITU-R F.1191-3 ERC/DEC/(00)02, T/R 12-01 MSZ EN 302 217-2	Annex 3, point 2.5 Annex 4 Rights of use for radio spectrum may be obtained in the 37.926-38.22/39.186-39.48 GHz band.
3355	FIXED-SATELLITE (space-Earth)	5.550C	P	1	T	Fixed-satellite service applications	ERC/DEC/(00)02	
3356	Earth exploration-satellite (space-Earth)		P	2	K	Applications of Earth exploration-satellite		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3357	**39.5-40.5 GHz**							
3358	EARTH EXPLORATION-SATELLITE (Earth-space) (40-40.5 GHz)		P	1	K	Applications of Earth exploration-satellite		
3359	FIXED-SATELLITE (space-Earth)	5.516B 5.550C 5.550E	P	1	K	Fixed-satellite service applications	ERC/DEC/(00)02	Electronic communications service may be provided in the band.
3360				1	K	Coordinated earth stations		Annex 3, point 6.1
3361				1	K	Uncoordinated earth stations		Annex 3, point 6.1 Exempt from individual licensing obligation.
3362			N	1	K	Fixed-satellite service applications	ERC/DEC/(00)02	Annex 3, point 6.1 Uncoordinated terminals are exempted from individual licensing obligation.
3363	MOBILE-SATELLITE (space-Earth)	5.550E	N	1	K	Mobile-satellite service systems	ERC/DEC/(00)02	Terminals are exempt from individual licensing obligation.
3364	SPACE RESEARCH (Earth-space) (40-40.5 GHz)		P	1	T	Space research systems		
3365	Earth exploration-satellite (space-Earth)		P	2	K	Applications of Earth exploration-satellite		
3366	**40.5-43.5 GHz**							
3367	FIXED	5.149 5.547	P	1	T	Fixed digital point-to-point systems		
3368				1	T	MWS		
3369				1	T	MVDS		
3370	FIXED-SATELLITE (space-Earth) (40.5-42.5 GHz)	5.550C 5.551H 5.551I	P	1	T	Fixed-satellite service applications		
3371	LAND MOBILE	5.550B	P	1	T	Terrestrial electronic communications networks	ECC/DEC/(22)06	
3372				1	T	IMT		
3373	RADIO ASTRONOMY (42.5-43.5 GHz)		P	1	K	Radio astronomy applications		
3374	**43.5-45.5 GHz**							
3375	MOBILE	5.553 NJE	N	1	K	Military mobile systems		
3376	MOBILE-SATELLITE (Earth-space)	5.554 NJE	N	1	K	Military satellite systems		Terminals are exempt from individual licensing obligation.
3377	**45.5-47 GHz**							
3378	MOBILE	5.553 5.553A	E					
3379	MOBILE-SATELLITE	5.554	E					
3380	RADIO NAVIGATION		E					
3381	RADIONAVIGATION-SATELLITE	5.554	E					
3382	**47-47.2 GHz**							
3383	AMATEUR		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3384	AMATEUR SATELLITE		P	1	K	Amateur radio satellite		
3385	**47.2-47.5 GHz**							
3386	FIXED	5.552A	P	1	T	Systems implemented with HAPS		
3387	FIXED-SATELLITE (Earth-space)	5.550C 5.552	E	1	T	Fixed-satellite service applications		
3388			P	3	K	Cordless cameras in the framework of mobile service	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	Exempt from individual licensing obligation.

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3389	**47.5-47.9 GHz**							
3390	FIXED-SATELLITE (space-Earth)	5.516B 5.554A	P	1	K	HDFSS	ECC/DEC/(05)08	Annex 3, point 6.1 Electronic communications service may be provided in the band. Terminals are exempt from individual licensing obligation.
3391	FIXED-SATELLITE (Earth-space)	5.550C 5.552	E	1	T	Fixed-satellite service applications		
3392			P	3	K	Cordless cameras in the framework of mobile service	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	Exempt from individual licensing obligation.
3393	**47.9-48.2 GHz**							
3394	FIXED	5.552A	P	1	T	Systems implemented with HAPS		
3395	FIXED-SATELLITE (Earth-space)	5.550C 5.552	E	1	T	Fixed-satellite service applications		
3396			P	3	K	Cordless cameras in the framework of mobile service	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	Exempt from individual licensing obligation.
3397	**48.2-48.54 GHz**							
3398	FIXED (48.5-48.54 GHz)		E	1	K	Fixed digital point-to-point systems in the 49 GHz band	ITU-R F.1191-3 Recommendation ERC/REC 12-11, point 2 MSZ EN 302 217-2	Annex 3, point 2.5
3399	FIXED-SATELLITE (space-Earth)	5.516B 5.554A 5.555B	P	1	K	HDFSS	ECC/DEC/(05)08	Annex 3, point 6.1 Electronic communications service may be provided in the band. Terminals are exempt from individual licensing obligation.
3400	FIXED-SATELLITE (Earth-space)	5.550C 5.552	E	1	T	Fixed-satellite service applications		
3401			P	3	K	Cordless cameras in the framework of mobile service	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	Exempt from individual licensing obligation.
3402	**48.54-49.44 GHz**							
3403		5.340						
3404	FIXED	5.149	E	1	K	Fixed digital point-to-point systems in the 49 GHz band	ITU-R F.1191-3 Recommendation ERC/REC 12-11, point 2 MSZ EN 302 217-2	Annex 3, point 2.5
3405	FIXED-SATELLITE (Earth-space)	5.149 5.550C 5.552	E	1	T	Fixed-satellite service applications		
3406	RADIO ASTRONOMY (48.94-49.04 GHz)	5.555	P	1	K	Radio astronomy applications		
3407			P	3	K	Cordless cameras in the framework of mobile service	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	Exempt from individual licensing obligation.

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3408	**49.44-50.2 GHz**							
3409	FIXED		E	1	K	Fixed digital point-to-point systems in the 49 GHz band	ITU-R F.1191-3 Recommendation ERC/REC 12-11, point 2 MSZ EN 302 217-2	Annex 3, point 2.5
3410	FIXED-SATELLITE (space-Earth)	5.516B 5.554A 5.555B	P	1	K	HDFSS	ECC/DEC/(05)08	Annex 3, point 6.1 Electronic communications service may be provided in the band. Terminals are exempt from individual licensing obligation.
3411	FIXED-SATELLITE (Earth-space)	5.338A 5.550C 5.552	E	1	T	Fixed-satellite service applications		
3412			P	3	K	Cordless cameras in the framework of mobile service	ERC/REC 25-10 ERC Report 38 ETSI EN 302 064-2, MSZ EN 302 064	Exempt from individual licensing obligation.
3413	**50.2-50.4 GHz**							
3414		5.340						
3415	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3416	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3417	**50.4-51.4 GHz**							
3418	FIXED		E					
3419	FIXED-SATELLITE (Earth-space)	5.338A 5.550C	E	1	K	Fixed-satellite service applications		Annex 3, point 6.1 Uncoordinated terminals are exempted from individual licensing obligation.
3420	Mobile-satellite (Earth-space)		N	2	K	Mobile-satellite service systems		Terminals are exempt from individual licensing obligation.
3421	**51.4-52.6 GHz**							
3422	FIXED	5.338A 5.547	P	1	K	Fixed digital point-to-point systems in the 52 GHz band	ITU-R F.1191-3 Recommendation ERC/REC 12-11, point 1 MSZ EN 302 217-2	Annex 3, point 2.5
3423	FIXED-SATELLITE (Earth-space) (51.4-52.4 GHz)	5.555C	P	1	K	Fixed-satellite service applications		
3424		5.556	P	1	K	Radio astronomy applications		
3425	**52.6-54.25 GHz**							
3426		5.340						
3427	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3428	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3429		5.556	P	1	K	Radio astronomy applications		
3430	**54.25-56.9 GHz**							
3431	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3432	FIXED (55.78-56.9 GHz)	5.547 5.557A	P	1	K	Fixed digital point-to-point systems in the 56 GHz band	ITU-R F.1191-3 ERC/REC 12-12 MSZ EN 302 217-2	Annex 3, point 2.5
3433	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3434	**56.9-57 GHz**							
3435	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3436	FIXED	5.547	P	1	K	Fixed digital point-to-point systems in the 56 GHz band	ITU-R F.1191-3 ERC/REC 12-12 MSZ EN 302 217-2	Annex 3, point 2.5
3437	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3438	**57-59 GHz**							
3439	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3440	FIXED	5.547	P			SRD		Annex 3, point 9.1
3441				1	K	Wideband data transmission applications		Rows 9 and 10 in the table under point 9.4.1 of Annex 3
3442			N					
3443	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3444		5.556	P	1	K	Applications of radio astronomy in the 58.2–59 GHz band		
3445			PN			SRD		Annex 3, point 9.1
3446				3	K	Non-specific applications		Annex 3, point 9.2.1
3447				3	K	Wideband data transmission applications		Rows 6–8 in the table under point 9.4.1 of Annex 3 Electronic communications service may be provided in the band.
3448				3	K	Radio determination applications		Annex 3, point 9.7.1
3449	**59-63 GHz**							
3450	EARTH EXPLORATION-SATELLITE (passive) (59-59.3 GHz)		P	1	K	Applications of passive Earth exploration-satellite		
3451	FIXED	NJÖ	P			SRD		Annex 3, point 9.1
3452				1	K	Wideband data transmission applications		Row 11 in the table under point 9.4.1 of Annex 3
3453			N					
3454				1	T	Military fixed systems		
3455	MOBILE	5.558 NJÖ	N	1	T	Mobile service applications		
3456				1	T	Military mobile systems		
3457	RADIOLOCATION	5.559 NJÖ	N	1	K	Radiolocation systems		
3458				1	K	Military radiolocation systems		
3459	SPACE RESEARCH (passive) (59-59.3 GHz)		P	1	K	Systems of passive space research		
3460			PN			SRD		Annex 3, point 9.1
3461				3	K	Non-specific applications		Annex 3, point 9.2.1
3462				3	K	Wideband data transmission applications		Rows 6–8 in the table under point 9.4.1 of Annex 3 Electronic communications service may be provided in the band.
3463				3	K	Radio determination applications		Annex 3, point 9.7.1
3464		5.138	PN	-	Ü	ISM applications in the 61-61.5 GHz band		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3465	**63-64 GHz**							
3466	FIXED		P			SRD		Annex 3, point 9.1
3467				1	K	Wideband data transmission applications		Row 11 in the table under point 9.4.1 of Annex 3
3468			N					
3469	LAND MOBILE		P					
3470			PN			SRD		Annex 3, point 9.1
3471				3	K	Non-specific applications		Annex 3, point 9.2.1
3472				3	K	Wideband data transmission applications		Rows 6–8 in the table under point 9.4.1 of Annex 3 Electronic communications service may be provided in the band.
3473				3	K	TTT applications		Annex 3, point 9.6.1
3474				3	K	Radio determination applications		Annex 3, point 9.7.1
3475	**64-66 GHz**							
3476	EARTH EXPLORATION-SATELLITE (65-66 GHz)		P	1	K	Applications of Earth exploration-satellite		
3477	FIXED	5.547	P			SRD		Annex 3, point 9.1
3478				1	K	Wideband data transmission applications		Row 12 in the table under point 9.4.1 of Annex 3
3479			N					
3480	SPACE RESEARCH (65-66 GHz)		P	1	T	Space research systems		
3481		5.556	P	1	K	Applications of radio astronomy in the 64-65 GHz band		
3482			PN			SRD		Annex 3, point 9.1
3483				3	K	Wideband data transmission applications		Rows 6–8 in the table under point 9.4.1 of Annex 3 Electronic communications service may be provided in the band.
3484				3	K	TTT applications in the 64-65.88 GHz band		Annex 3, point 9.6.1
3485	**66-71 GHz**							
3486	MOBILE	5.553 5.558 5.559AA	P	1	T	Terrestrial electronic communications networks		
3487				1	T	IMT		
3488	MOBILE-SATELLITE	5.554	P					
3489	RADIO NAVIGATION		P					
3490	RADIONAVIGATION-SATELLITE	5.554	P					
3491	Fixed	RRE	P			SRD		Annex 3, point 9.1
3492				2	K	Wideband data transmission applications		Row 13 in the table under point 9.4.1 of Annex 3
3493			N					
3494			PN			SRD		Annex 3, point 9.1
3495				3	K	Wideband data transmission applications		Rows 6–8 in the table under point 9.4.1 of Annex 3 Electronic communications service may be provided in the band.
3496	**71-74 GHz**							
3497	FIXED	NJÖ	P	1	K	Fixed digital point-to-point systems in the 76 GHz band	ITU-R F.1191-3 ECC/REC/(05)07 MSZ EN 302 217-2	Annex 3, point 2.5 Channel spacing: Other than Recommendation ECC/REC/(05)07 may also be used. Operation based on a simplified radio licence.
3498			N					
3499				1	T	Military fixed systems		
3500	FIXED-SATELLITE (space-Earth)	NJÖ	E	1	T	Fixed-satellite service applications		
3501				1	T	Military satellite systems		
3502	MOBILE	NJÖ	N	1	T	Military mobile systems		
3503	MOBILE-SATELLITE (space-Earth)	NJÖ	E	1	T	Mobile-satellite service systems		
3504				1	T	Military satellite systems		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3505	**74-76 GHz**							
3506	FIXED	5.561	P	1	K	Fixed digital point-to-point systems in the 76 GHz band	ITU-R F.1191-3 ECC/REC/(05)07 MSZ EN 302 217-2	Annex 3, point 2.5 Channel spacing: Other than Recommendation ECC/ REC/(05)07 may also be used. Operation based on a simplified radio licence.
3507			N					
3508	FIXED-SATELLITE (space-Earth)		P					
3509	BROADCASTING-SATELLITE		P					
3510	Space research (space-Earth)		P					
3511			PN			SRD		Annex 3, point 9.1
3512				3	K	Radio determination applications in the 75-76 GHz band		Annex 3, point 9.7.1
3513	**76-77.5 GHz**							
3514	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3515	RADIOLOCATION	5.149	E	1	K	Radiolocation systems		
3516				3	K	SRR in the 77-77.5 GHz band	2004/545/EC ECC/DEC/(04)03 ETSI EN 302 264-2, MSZ EN 302 264	Annex 3, point 5.1 Exempt from individual licensing obligation.
3517	Amateur	5.149	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3518	Amateur-satellite	5.149	P	2	K	Amateur radio satellite		
3519	Space research (space-Earth)	5.149	P					
3520			PN			SRD		Annex 3, point 9.1
3521				3	K	Railway applications in the 76-77 GHz band		Annex 3, point 9.5.1
3522				3	K	TTT applications in the 76-77 GHz band		Annex 3, point 9.6.1
3523				3	K	Radio determination applications		Annex 3, point 9.7.1
3524	**77.5-78 GHz**							
3525	AMATEUR	5.149	P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3526	AMATEUR SATELLITE	5.149	P	1	K	Amateur radio satellite		
3527	RADIOLOCATION	5.149 5.559B	E	3	K	SRR	2004/545/EC ECC/DEC/(04)03 ETSI EN 302 264-2, MSZ EN 302 264	Annex 3, point 5.1 Exempt from individual licensing obligation.
3528	Radio astronomy		P	2	K	Radio astronomy applications		
3529	Space research (space-Earth)	5.149	P					
3530			PN			SRD		Annex 3, point 9.1
3531				3	K	Radio determination applications		Annex 3, point 9.7.1
3532	**78-79 GHz**							
3533	RADIOLOCATION	5.149	E	1	K	Radiolocation systems		
3534				3	K	SRR	2004/545/EC ECC/DEC/(04)03 ETSI EN 302 264-2, MSZ EN 302 264	Annex 3, point 5.1 Exempt from individual licensing obligation.
3535	Amateur	5.149	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3536	Amateur-satellite	5.149 5.560	P	2	K	Amateur radio satellite		
3537	Radio astronomy		P	2	K	Radio astronomy applications		
3538	Space research (space-Earth)	5.149 5.560	P					
3539			PN			SRD		Annex 3, point 9.1
3540				3	K	Radio determination applications		Annex 3, point 9.7.1

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3541	**79-81 GHz**							
3542	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3543	RADIOLOCATION	5.149	E	1	K	Radiolocation systems		
3544				3	K	SRR	2004/545/EC ECC/DEC/(04)03 ETSI EN 302 264-2, MSZ EN 302 264	Annex 3, point 5.1 Exempt from individual licensing obligation.
3545	Amateur	5.149	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3546	Amateur-satellite	5.149	P	2	K	Amateur radio satellite		
3547	Space research (space-Earth)	5.149	P					
3548			PN			SRD		Annex 3, point 9.1
3549				3	K	Radio determination applications		Annex 3, point 9.7.1
3550	**81-84 GHz**							
3551	FIXED	5.149 5.338A NJÖ	P	1	K	Fixed digital point-to-point systems in the 76 GHz band	ITU-R F.1191-3 ECC/REC/(05)07 MSZ EN 302 217-2	Annex 3, point 2.5 Channel spacing: Other than Recommendation ECC/REC/(05)07 may also be used. Operation based on a simplified radio licence.
3552			N					
3553				1	T	Military fixed systems		
3554	FIXED-SATELLITE (Earth-space)	5.149	E	1	T	Fixed-satellite service applications		
3555		NJÖ		1	T	Military satellite systems		
3556	MOBILE	NJÖ	N	1	T	Military mobile systems		
3557	MOBILE-SATELLITE (Earth-space)	5.149	E	1	T	Mobile-satellite service systems		
3558		NJÖ		1	T	Military satellite systems		
3559	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3560	Amateur (81-81.5 GHz)	5.149 5.561A	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3561	Amateur satellite (81-81.5 GHz)	5.149 5.561A	P	2	K	Amateur radio satellite		
3562	Space research (space-Earth)	5.149	P					
3563			PN			SRD		Annex 3, point 9.1
3564				3	K	Radio determination applications		Annex 3, point 9.7.1
3565	**84-86 GHz**							
3566	FIXED	5.149 5.338A	P	1	K	Fixed digital point-to-point systems in the 76 GHz band	ITU-R F.1191-3 ECC/REC/(05)07 MSZ EN 302 217-2	Annex 3, point 2.5 Channel spacing: Other than Recommendation ECC/REC/(05)07 may also be used. Operation based on a simplified radio licence.
3567			N					
3568	FIXED-SATELLITE (Earth-space)	5.149	P					
3569	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3570			PN			SRD		Annex 3, point 9.1
3571				3	K	Radio determination applications in the 84-85 GHz band		Annex 3, point 9.7.1
3572	**86-92 GHz**							
3573		5.340						
3574	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3575	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3576	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3577	**92-94 GHz**							
3578	FIXED	5.149 5.338A NJÖ	E	1	T	Fixed digital point-to-point systems in the 92 GHz band	ECC/REC/(14)01, ECC/REC/(18)02	
3579				1	T	Military fixed systems		
3580	MOBILE	5.149 NJÖ	E	1	T	Military mobile systems		
3581	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3582	RADIOLOCATION	5.149 NJÖ	E	1	K	Radiolocation systems		
3583				1	K	Military radiolocation systems		
3584	**94-94.1 GHz**							
3585	EARTH EXPLORATION-SATELLITE (active)	5.562 5.562A NJÖ	E					
3586	RADIOLOCATION	NJÖ	E	1	K	Radiolocation systems		
3587				1	K	Military radiolocation systems		
3588	SPACE RESEARCH (active)	5.562A	P					
3589	Radio astronomy		P	2	K	Radio astronomy applications		
3590	**94.1-95 GHz**							
3591	FIXED	5.149 NJÖ	E	1	T	Fixed digital point-to-point systems in the 92 GHz band	ECC/REC/(14)01, ECC/REC/(18)02	
3592				1	T	Military fixed systems		
3593	MOBILE	5.149 NJÖ	E	1	T	Military mobile systems		
3594	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3595	RADIOLOCATION	5.149 NJÖ	E	1	K	Radiolocation systems		
3596				1	K	Military radiolocation systems		
3597	**95-100 GHz**							
3598	FIXED	5.149 NJÖ	E					
3599	MOBILE	5.149 NJÖ	E					
3600	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3601	RADIOLOCATION	5.149 NJÖ	E	1	T	Radiolocation systems		
3602				1	T	Military radiolocation systems		
3603	RADIO NAVIGATION	5.149 NJÖ	E					
3604	RADIONAVIGATION-SATELLITE	5.149 5.554 NJÖ	E					
3605	**100-102 GHz**							
3606		5.340						
3607	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3608	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3609	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3610		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources in the 101-102 GHz band		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3611	**102-109.5 GHz**							
3612	FIXED	5.149	E					
3613	MOBILE	5.149	E					
3614	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3615	SPACE RESEARCH (passive) (105–109.5 GHz)	5.562B	P	1	K	Systems of passive space research		
3616		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
3617	**109.5-111.8 GHz**							
3618		5.340						
3619	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3620	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3621	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3622		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
3623	**111.8-114.25 GHz**							
3624	FIXED	5.149	E					
3625	MOBILE	5.149	E					
3626	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3627	SPACE RESEARCH (passive)	5.562B	P	1	K	Systems of passive space research		
3628		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
3629	**114.25-116 GHz**							
3630		5.340						
3631	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3632	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3633	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3634		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources		
3635	**116-122.25 GHz**							
3636	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3637	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3638		5.341	P	1	K	Passive research into intentional transmissions from extraterrestrial sources in the 116–120 GHz band		
3639			PN			SRD		Annex 3, point 9.1
3640				3	K	Non-specific applications in the 122-122.25 GHz band		Annex 3, point 9.2.1
3641		5.138	PN	-	Ü	ISM applications in the 122-122.25 GHz band		
3642	**122.25-123 GHz**							
3643	FIXED		E					
3644	MOBILE	5.558	E					
3645	Amateur		P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3646			PN			SRD		Annex 3, point 9.1
3647				3	K	Non-specific applications		Annex 3, point 9.2.1
3648		5.138	PN	-	Ü	ISM applications		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3649	**123-130 GHz**							
3650	FIXED-SATELLITE (space-Earth)	5.149	E					
3651	MOBILE-SATELLITE (space-Earth)	5.149 5.554	E					
3652	RADIO NAVIGATION	5.149	E					
3653	RADIONAVIGATION-SATELLITE	5.149 5.554	E					
3654	Radio astronomy		P	2	K	Radio astronomy applications		
3655	**130-134 GHz**							
3656	EARTH EXPLORATION-SATELLITE (active)	5.149 5.562A 5.562E	P					
3657	FIXED	5.149	E					
3658	MOBILE	5.149 5.558	E					
3659	RADIO ASTRONOMY	5.562A	P	1	K	Radio astronomy applications		
3660	**134-136 GHz**							
3661	AMATEUR		P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3662	AMATEUR SATELLITE		P	1	K	Amateur radio satellite		
3663	Radio astronomy		P	2	K	Radio astronomy applications		
3664	**136-141 GHz**							
3665	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3666	RADIOLOCATION	5.149	E					
3667	Amateur	5.149	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3668	Amateur-satellite	5.149	P	2	K	Amateur radio satellite		
3669	**141-148.5 GHz**							
3670	FIXED	5.149	E					
3671	MOBILE	5.149	E					
3672	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3673	RADIOLOCATION	5.149	E					
3674	**148.5-151.5 GHz**							
3675		5.340						
3676	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3677	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3678	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3679	**151.5-155.5 GHz**							
3680	FIXED	5.149	E					
3681	MOBILE	5.149	E					
3682	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3683	RADIOLOCATION	5.149	E					
3684	**155.5-158.5 GHz**							
3685	FIXED	5.149	E					
3686	MOBILE	5.149	E					
3687	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3688	**158.5-164 GHz**							
3689	FIXED		E					
3690	FIXED-SATELLITE (space-Earth)		E					
3691	MOBILE		E					
3692	MOBILE-SATELLITE (space-Earth)		E					
3693	**164-167 GHz**							
3694		5.340						
3695	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3696	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3697	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3698	**167-174.8 GHz**							
3699	FIXED	5.149	E					
3700	FIXED-SATELLITE (space-Earth) (167-174.5 GHz**)**	5.149	E					
3701	MOBILE	5.149 5.558	E					
3702	**174.8-182 GHz**							
3703	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3704	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3705	**182-185 GHz**							
3706		5.340						
3707	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3708	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3709	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3710	**185-190 GHz**							
3711	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration satellite		
3712	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3713	**190-191.8 GHz**							
3714		5.340						
3715	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3716	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3717	**191.8-200 GHz**							
3718	FIXED	5.149	E					
3719	MOBILE	5.149 5.558	E					
3720	MOBILE-SATELLITE	5.149 5.554	E					
3721	RADIO NAVIGATION	5.149	E					
3722	RADIONAVIGATION-SATELLITE	5.149 5.554	E					
3723		5.341	P	1	K	Passive research into intentional transmissions from ex-traterrestrial sources in the 197-200 GHz band		

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3724	**200-209 GHz**							
3725		5.340						
3726	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3727	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3728	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3729		5.341	P	1	K	Passive research into intentional transmissions from ex-traterrestrial sources		
3730		5.563A	P	1	K	Ground-based passive atmospheric sensing		
3731	**209-226 GHz**							
3732	FIXED	5.149	E					
3733	FIXED-SATELLITE (Earth-space)	5.149	E					
3734	MOBILE	5.149	E					
3735	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3736	SPACE RESEARCH (passive) (217-226 GHz)	5.562B	P	1	K	Systems of passive space research		
3737		5.341	P	1	K	Passive research into intentional transmissions from ex-traterrestrial sources in the 209-220 GHz band		
3738	**226-231.5 GHz**							
3739		5.340						
3740	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3741	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3742	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3743	**231.5-235 GHz**							
3744	FIXED		E					
3745	FIXED-SATELLITE (space-Earth) (232-235 GHz)		E					
3746	MOBILE		E					
3747	Radiolocation		E					
3748	**235-238 GHz**							
3749	EARTH EXPLORATION-SATELLITE (active) (237.9-238 GHz)	5.563B	P					
3750	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3751	FIXED-SATELLITE (space-Earth)		E					
3752	SPACE RESEARCH (active) (237.9-238 GHz)	5.563B	P					
3753	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3754		5.563A	P	1	K	Ground-based passive atmospheric sensing		
3755	**238-240 GHz**							
3756	FIXED		E					
3757	FIXED-SATELLITE (space-Earth)		E					
3758	MOBILE		E					
3759	RADIOLOCATION		E					
3760	RADIO NAVIGATION		E					
3761	RADIONAVIGATION-SATELLITE		E					
3762	**240-241 GHz**							
3763	FIXED		E					
3764	MOBILE		E					
3765	RADIOLOCATION		E					

	A	B	C	D	E	F	G	H
1	**National allocation**			**Rules of frequency band use**				
2				**Application**			**Document**	**Additional rules**
3766	**241-248 GHz**							
3767	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3768	RADIOLOCATION	5.149	E					
3769	Amateur	5.149	P	2	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3770	Amateur-satellite	5.149	P	2	K	Amateur radio satellite		
3771			PN			SRD		Annex 3, point 9.1
3772				3	K	Non-specific applications in the 244-246 GHz band		Annex 3, point 9.2.1
3773		5.138	PN	-	Ü	ISM applications in the 244-246 GHz band		
3774	**248-250 GHz**							
3775	AMATEUR	5.149	P	1	K	Amateur radio	ECC/REC/(02)01 MSZ EN 301 783	Annex 3, point 7
3776	AMATEUR SATELLITE	5.149	P	1	K	Amateur radio satellite		
3777	Radio astronomy		P	2	K	Radio astronomy applications		
3778	**250-252 GHz**							
3779		5.340						
3780	EARTH EXPLORATION-SATELLITE (passive)		P	1	K	Applications of passive Earth exploration-satellite		
3781	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3782	SPACE RESEARCH (passive)		P	1	K	Systems of passive space research		
3783		5.563A	P	1	K	Ground-based passive atmospheric sensing		
3784	**252-265 GHz**							
3785	FIXED	5.149	E					
3786	MOBILE	5.149	E					
3787	MOBILE-SATELLITE (Earth-space)	5.149 5.554	E					
3788	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3789	RADIO NAVIGATION	5.149	E					
3790	RADIONAVIGATION-SATELLITE	5.149 5.554	E					
3791	**265-275 GHz**							
3792	FIXED	5.149	E					
3793	FIXED-SATELLITE (Earth-space)	5.149	E					
3794	MOBILE	5.149	E					
3795	RADIO ASTRONOMY		P	1	K	Radio astronomy applications		
3796		5.563A	P	1	K	Ground-based passive atmospheric sensing		
3797	**275-3000 GHz**							
3798	(Not allocated)	5.564A 5.565	E					

”

Annex 3 to NMHH Decree No 3/2024 of 29 January 2024 of the National Media and Infocommunications Authority

1. In Annex 3 to the Decree, point 1.4 is replaced by the following:

“1.4 The detailed rules for applications in the fixed service are set out in rows 9 to 13 of the table under point 9.4.1 and in point 2.”

2. In Annex 3 to the Decree, points 1.6 to 1.10 are replaced by the following points, and the following points 1.10a and 1.10b are added:

“1.6 The detailed rules for applications in the mobile service are set out in point 4.

1.7 The detailed rules for applications in the radiolocation service are set out in point 5.

1.8 The detailed rules for applications in satellite services are set out in point 6.

1.9 The detailed rules for applications in amateur and amateur-satellite services are set out in point 7.

1.10 The detailed rules for PMSE applications are set out in point 8.

1.10a The detailed rules for SRD applications which are not included in the radio service and which in some cases are included in fixed service are set out in point 9.

1.10b The detailed rules for UWB applications not included in the radio service are set out in point 10.”

3. In Annex 3 to the Decree, point 2.4.2 is replaced by the following point, and the following point 2.4.3 is added:

“2.4.2 Detailed technical requirements

	A	B	C	D	E	F
1	**Frequency band [MHz]**	**Channel spacing [kHz]**	**Transmission or reception band**	**First carrier frequency [MHz] (channel number)**	**Last carrier frequency [MHz] (channel number)**	**Duplex distance (spacing) [MHz]**
2	406.1–410*	12.5	–	406.10625 (1)	409.99375 (312)	–
3		25		406.1125 (1)	409.9875 (156)	
4	415–417/425–427*	12.5	central station transmitter falls into the upper band, central or collection station receiver falls into the lower band	415.00625/425.00625 (401)	416.99375/426.99375 (560)	10
5		25		415.0125/425.0125 (201)	416.9875/426.9875 (280)	
6	440–441/445–446*	12.5	central station transmitter falls into the upper band, central or collection station receiver falls into the lower band	440.00625/445.00625 (1)	440.99375/445.99375 (80)	5
7		25		440.0125/445.0125 (1)	440.9875/445.9875 (40)	

	A	B	C	D	E	F
1	**Frequency band [MHz]**	**Channel spacing [kHz]**	**Transmission or reception band**	**First carrier frequency [MHz] (channel number)**	**Last carrier frequency [MHz] (channel number)**	**Duplex distance (spacing) [MHz]**
8	441–441.1*	12.5	–	441.00625 (81)	441.09375 (88)	–
9		25		441.0125 (41)	441.0875 (44)	
10	441.1–442/446.1–447*	12.5	central station transmitter falls into the upper band, central or collection station receiver falls into the lower band	441.10625/446.10625 (89)	441.99375/446.99375 (160)	5
11		25		441.1125/446.1125 (45)	441.9875/446.9875 (80)	
12	442–445	12.5	–	442.00625 (161)	444.99375 (400)	–
13		25		442.0125 (81)	444.9875 (200)	
14	442–445/447–450	12.5	central station transmitter falls into the upper band, central or collection station receiver falls into the lower band	442.00625/447.00625 (161)	444.99375/449.99375 (400)	5
15		25		442.0125/447.0125 (81)	444.9875/449.9875 (200)	
16	447–450	12.5	–	447.00625 (561)	449.99375 (800)	
17		25		447.0125 (281)	449.9875 (400)	

2.4.3 In column A of the table in point 2.4.2, use of the radio spectrum in frequency bands marked by * is non-civil, in any other case it is civil.”

4. Point 2.5 of Annex 3 to the Decree is replaced by the following point:

“**2.5 Point-to-point systems and radio and television news and radio and television broadcast transmission systems in the 2.07–86 GHz band**

2.5.1 Radio spectrum management requirements

	A	B	C	D	E	F	G	H	
1	**Frequency band [GHz]**	**Application**	**Channel spacing [MHz]**	**Minimum capacity [Mbit/s]**	**Duplex distance (spacing) [MHz]**	**Maximum power or power density supplied to the antenna**	**Minimum antenna gain [dBi]**	**Maximum EIRP or EIRP density Section length (L) [km]**	
2	2.07–2.11** 2.245–2.29**	Digital point-to-point systems in the 2 GHz band	1.75	2	175	3 dBW	16	40 dBW 40 – 20lg(20/L) dBW	if L ≥ 20 if L < 20
3			3.5	4					
4			7	8					
5			14	16					
6	3.8–4.2	Digital point-to-point systems in the 4 GHz band	29	140/155	213	3 dBW	30	50 dBW 50 – 20lg(30/L) dBW	if L ≥ 30 if L < 30
7	5.925–6.425	Digital point-to-point systems in the lower 6 GHz band	29.65	140/155	252.04	4 dBW	40	40 dBW 40 – 20lg(25/L) dBW	if L ≥ 25 if L < 25
8	6.425–7.125	Fixed digital point-to-point systems in the upper 6 GHz band	40	140/155	340	4 dBW	40	40 dBW 40 – 20lg(25/L) dBW	if L ≥ 25 if L < 25

	A	B	C	D	E	F	G	H
1	**Frequency band [GHz]**	**Application**	**Channel spacing [MHz]**	**Minimum capacity [Mbit/s]**	**Duplex distance (spacing) [MHz]**	**Maximum power or power density supplied to the antenna**	**Minimum antenna gain [dBi]**	**Maximum EIRP or EIRP density Section length (L) [km]**
9	7.125–7.425*	Digital point-to-point systems in the lower 7 GHz band	3.5	4	154	10 dBW	30	40 dBW if L ≥ 20 40 – 20lg(20/L) dBW if L < 20
10			7	8				
11			14	16				
12			28	34				
13			56	140				
14	7.425–7.725	Digital point-to-point systems in the upper 7 GHz band	1.75	2	154	10 dBW	30	40 dBW if L ≥ 20 40 – 20lg(20/L) dBW if L < 20
15			3.5	4				
16			7	8				
17			14	16				
18			28	34				
19	7.725–7.9	Analogue systems for radio and television news and radio and television broadcast transmissions in the 7 GHz band	TV: 28	–	–	0 dBW	30	40 dBW
20			radio: 1.75					
21		Digital systems for radio and television news and radio and television broadcast transmissions in the 7 GHz band	1.75					
22			3.5					
23			7					
24			14					
25			28					
26	7.9–8.5	Digital point-to-point systems in the 8 GHz band	1.75	2	310	10 dBW	30	40 dBW if L ≥ 20 40 – 20lg(20/L) dBW if L < 20
27			3.5	4				
28			7	8				
29			14	16				
30			28	34				
31	10–10.68	10 Analogue systems for radio and television news and radio and television broadcast transmissions in the 10 GHz band	TV: 28	–	–	0 dBW (in the 10.6–10.68 GHz band: –3 dBW)	30	40 dBW
32			radio: 1.75					
33		Digital systems for radio and television news and radio and television broadcast transmissions in the 10 GHz band	1.75					
34			3.5					
35			7					
36			14					
37			28					
38	10.7–11.7	Digital point-to-point systems in the 11 GHz band	40	140/155	530	10 dBW (in the 10.7–10.975 GHz band: –2 dBW)	40	50 dBW if L ≥ 14 50 – 20lg(14/L) dBW if L < 14
39			80					

	A	B	C	D	E	F	G	H
1	**Frequency band [GHz]**	**Application**	**Channel spacing [MHz]**	**Minimum capacity [Mbit/s]**	**Duplex distance (spacing) [MHz]**	**Maximum power or power density supplied to the antenna**	**Minimum antenna gain [dBi]**	**Maximum EIRP or EIRP density Section length (L) [km]**
40	12.75–13.25	Fixed digital point-to-point systems in the 13 GHz band	3.5	2	266	10 dBW	30	50 dBW if L ≥ 12 50 – 20lg(12/L) dBW if L < 12
41			7	8				
42			14	16				
43			28	34				
44	14.5–14.62 15.23–15.35	Fixed digital point-to-point systems in the 15 GHz band	3.5	2	728	10 dBW	30	50 dBW if L ≥ 10 50 – 20lg(10/L) dBW if L < 10
45			7	8				
46			14	16				
47			28	34				
48			56	140				
49	14.62–14.809* 15.04–15.23*	Digital point-to-point systems in the 15 GHz band	3.5	2	420	10 dBW	30	50 dBW if L ≥ 10 50 – 20lg(10/L) dBW if L < 10
50			7	8				
51			14	16				
52			28	34				
53	17.7–19.7**	Fixed digital point-to-point systems in the 18 GHz band	27.5	34	1010	10 dBW (in the 18.6–18.8 GHz band: –3 dBW)	30	55 dBW if L ≥ 9 55 – 20lg(9/L) dBW if L < 9 (in the 18.6–18.8 GHz band: 40 dBW)
54			55	140/155				
55			110					
56	21.2–21.4 22.6–23	Analogue systems for radio and television news and radio and television broadcast transmissions in the 22 GHz band	TV: 28	–	–	0 dBW	30	40 dBW
57			radio: 1.75					
58		Digital systems for radio and television news and radio and television broadcast transmissions in the 22 GHz band	3.5					
59			7					
60			14					
61			28					
62	22–22.4 23–23.408	Fixed digital point-to-point systems in the 23 GHz band	3.5	2	1008	0 dBW	30	50 dBW if L ≥ 7 50 – 20lg(7/L) dBW if L < 7
63			7	8				
64			14	16				
65			28	34				
66	22.4–22.456 23.408–23.464	Fixed digital point-to-point systems in the 23 GHz band	3.5	2	1008	0 dBW	40***	50 dBW if L ≥ 7 50 – 20lg(7/L) dBW if L < 7
67			7	8				
68			14	16				
69			28	34				
70			56	140				
71	22.442–22.456* 23.45–23.464*	Digital point-to-point systems in the 23 GHz band	3.5	2	1008	0 dBW	30	50 dBW if L ≥ 7 50 – 20lg(7/L) dBW if L < 7
72			7	8				
73			14	16				

	A	B	C	D	E	F	G	H
1	**Frequency band [GHz]**	**Application**	**Channel spacing [MHz]**	**Minimum capacity [Mbit/s]**	**Duplex distance (spac-ing) [MHz]**	**Maximum power or power density supplied to the antenna**	**Minimum antenna gain [dBi]**	**Maximum EIRP or EIRP density Section length (L) [km]**
74	22.456–22.512* 23.464–23.52*	Digital point-to-point systems in the 23 GHz band	3.5	2	1008	0 dBW	40***	50 dBW if L ≥ 7 50 – 20lg(7/L) dBW if L < 7
75			7	8				
76			14	16				
77			28	34				
78	22.512–22.568* 23.52–23.576*	Digital point-to-point systems in the 23 GHz band	3.5	2	1008	0 dBW	30	50 dBW if L ≥ 7 50 – 20lg(7/L) dBW if L < 7
79			7	8				
80			14	16				
81			28	34				
82			56	140				
83	22.568–22.6* 23.576–23.6*	Digital point-to-point systems in the 23 GHz band	3.5	2	1008	0 dBW	30	50 dBW if L ≥ 7 50 – 20lg(7/L) dBW if L < 7
84			7	8				
85			14	16				
86	24.5–26.5	Fixed digital point-to-point systems in the 26 GHz band	3.5	2	1008	0 dBW	30	50 dBW if L ≥ 7 50 – 20lg(7/L) dBW if L < 7
87			7	8				
88			14	16				
89			28	34				
90			56	140				
91			112					
92	26.5–27.5*	Digital point-to-point systems in the 26 GHz band	3.5	2	For FDD, not specified or TDD	0 dBW	30	50 dBW if L ≥ 7 50 – 20lg(7/L) dBW if L < 7
93			7	8				
94			14	16				
95	31–31.3 31.5–31.8	Fixed digital point-to-point systems in the 31 GHz band	3.5	2	140 or 514 or TDD	0 dBW	30	50 dBW if L ≥ 5 50 – 20lg(5/L) dBW if L < 5
96			7	8				
97			14	16				
98			28	34				
99			56	140				
100	31.8–33.4	Fixed digital point-to-point systems in the 32 GHz band	3.5	2	812	0 dBW	30	50 dBW if L ≥ 5 50 – 20lg(5/L) dBW if L < 5
101			7	8				
102			14	16				
103			28	34				
104			56	140				
105			112					

	A	B	C	D	E	F	G	H
1	**Frequency band [GHz]**	**Application**	**Channel spacing [MHz]**	**Minimum capacity [Mbit/s]**	**Duplex distance (spacing) [MHz]**	**Maximum power or power density supplied to the antenna**	**Minimum antenna gain [dBi]**	**Maximum EIRP or EIRP density Section length (L) [km]**
106	37–37.926 38.248–39.186	Fixed digital point-to-point systems in the 38 GHz band	3.5	2	1260	0 dBW	30	50 dBW if L ≥ 4 50 – 20lg(4/L) dBW if L < 4
107			7	8				
108			14	16				
109			28	34				
110			56	140				
111			112					
112	37.926–38.248* 39.186–39.5*	Digital point-to-point systems in the 38 GHz band	3.5	2	1260	0 dBW	30	50 dBW if L ≥ 5 50 – 20lg(5/L) dBW if L < 5
113			7	8				
114			14	16				
115			28	34				
116			56	140				
117	48.5-50.2**	49 Fixed digital point-to-point systems in the 76 GHz band	3.5	–	884	0 dBW	–	35 dBW
118			7					
119			14					
120			28					
121			56					
122			112					
123	51.4–52.6	Fixed digital point-to-point systems in the 52 GHz band	14	–	616	0 dBW	–	30 dBW
124			28					
125			56					
126			112					
127	55.78–57	Fixed digital point-to-point systems in the 56 GHz band	3.5	–	616 or TDD	0 dBW (in the 55.78–56.26 GHz band: –26 dBW/MHz)	–	30 dBW
128			7					
129			14					
130			28					
131			56					
132			112					
133	71–76** 81–86**	Fixed digital point-to-point systems in the 76 GHz band	–	–	For FDD, not specified or TDD	0 dBW	38	55 dBW

2.5.2 Interpretation of symbols *, ** and *** in the table under point 2.5.1.

Unmarked frequency band designated for civil fixed service systems.

	A	B
1	**Marking**	**Interpretation of marking**
2	*	designated for non-civil fixed service systems
3	**	designated for both civil and non-civil fixed service systems
4	***	Stations with an antenna gain of less than 40 dBi, which had a valid radio licence on 15 February 2024 or which obtained a valid radio licence on the basis of the applicable frequency assignment on that day, may be operated under the original conditions.

2.5.3 For digital point-to-point systems, the following values shall apply to quality reduction due to interference, according to Recommendation ECC/REC/(01)05:

	A	B
1	**Quality reduction due to interference**	**Maximum value [dB]**
2	individual quality reduction	0.4
3	total quality reduction due to applications in fixed service	3
4	total quality reduction due to applications in all radio services	4

”

5. Point 3.3 of Annex 3 to the Decree is replaced by the following:

“**3.3 Broadband digital PPDR systems in the 698-703/753-758 MHz and 733-736/788-791 MHz band**

3.3.1 Radio spectrum management requirements

	A	B
1	**Subject of the requirement**	**Regulation**
2	Uplink frequency band	698–703 MHz 733–736 MHz
3	Downlink frequency band	753–758 MHz 788–791 MHz
4	Duplex distance (spacing)	55 MHz
5	Access mode	FDD
6	Nominal channel bandwidth	1.4 MHz, 3 MHz, 5 MHz
7	Maximum mean in-block power	For base station: 64 dBm/5 MHz/antenna EIRP. In the case of end-user stations: 23 dBm, as EIRP for fixed/nomadic stations and as TRP for mobile/nomadic stations. Taking into account operations under extreme environmental conditions and the production standard deviation, a tolerance of up to +2 dB shall apply for this value.
8	Maximum mean out-of-block power	For base stations: point 3.3.2 if the transitional range requirement is not applicable. In the case of end-user stations: point 3.3.4.
9	Requirement for transitional regions	For base stations: point 3.3.3

3.3.2 Out-of-block emission requirements for PPDR base stations

	A	B	C
1	**Frequency range of out-of-block emissions**	**Maximum mean out-of-block EIRP**	**Measurement bandwidth**
2	470–694 MHz	–23 dBm/cell	8 MHz
3	694–698 MHz	–32 dBm/cell	1 MHz
4	698–733 MHz	–50 dBm/cell	5 MHz
5	733–736 MHz	–52 dBm/cell	3 MHz
6		–64 dBm/cell	200 kHz
7	736–748 MHz	–4 dBm/antenna	5 MHz
8	748–753 MHz	16 dBm/antenna	
9	753–788 MHz		
10	788–791 MHz	14 dBm/antenna	3 MHz
11		2 dBm/antenna	200 kHz
12	791–821 MHz	16 dBm/antenna	5 MHz
13	832–862 MHz	–49 dBm/cell	

In column B of the table, the value per cell for a multisectoral location corresponds to the value of one sector.

3.3.3 Transitional range requirements for PPDR base stations:

	B	C	D
1	**Frequency range of out-of-block emissions**	**Maximum mean out-of-block EIRP**	**Measurement bandwidth**
2	from –10 MHz to –5 MHz from the lower end of the user block	18 dBm/antenna	5 MHz
3	from –5 MHz to 0 MHz from the lower end of the user block	22 dBm/antenna	
4	from 0 MHz to + 5 MHz from the upper end of the user block		
5	from +5 MHz to +10 MHz from the upper end of the user block	18 dBm/antenna	

3.3.4 Out-of-block emission requirements for PPDR end-user stations:

	A	B	C
1	**Frequency range of out-of-block emissions**	**Maximum mean out-of-block power**	**Measurement bandwidth**
2	470–694 MHz	–42 dBm	8 MHz
3	694–698 MHz	–7 dBm EIRP	4 MHz
4	698–703 MHz	2 dBm EIRP	5 MHz
5	733–738 MHz		
6	738–753 MHz	–6 dBm EIRP	
7	753–758 MHz	–18 dBm EIRP	

3.3.5 The power limit given in row 2 of the table under point 3.3.4 shall be understood as EIRP for fixed/nomadic terminals and as TRP for mobile/nomadic end-user stations. For uplink PPDR connections in the 698–703 MHz band, rows 3 and 4 shall not apply, and for connections in the 733–736 MHz band, row 5 shall not apply.”

6. In Annex 3, points 3.4, 3.5 and 3.7 are replaced by the following points, and the following points 3.6 and 3.8 are added:

“**3.4 Separation between channel edges on the boundaries of user blocks in the 708–733/763–788 MHz, 790–862 MHz, 1920–1980/2110–2170 MHz and 2500–2570/2620–2690 MHz bands**

3.4.1 At the boundaries of user blocks, the need for separation between the channel edges, its scope and location shall be determined by competitive tender specifications, or by the decision establishing the right to use the radio spectrum or by a public authority contract. Failing this, points 3.4.2 and 3.4.3 shall apply.

3.4.2 For separation between the channel edges of two adjacent networks (“A” and “B”) in the frequency (where the two networks belong to two radio spectrum licence holders), depending on the technologies used, the rules set out in points 3.4.2.1 to 3.4.2.5 shall apply.

3.4.2.1 Value of separation between channel edges [kHz]:

	A	B	C
1	Network B	Network A	
2		Non-AAS LTE, NR, UMTS, WiMAX	GB-NB-IoT
3	Non-AAS LTE, NR, UMTS, WiMAX	0	200
4	GB-NB-IoT	200	200

3.4.2.2 Where GB-NB-IoT is used, the 200 kHz separation between channel edges shall be ensured by the radio spectrum licence holder (i.e. the holder of the right to use the radio spectrum) who introduces the GB-NB-IoT system.

3.4.2.3 Where both radio spectrum licence holders using adjacent user blocks in the frequency implement a GB-NB-IoT system, each of the two radio spectrum licence holders shall be subject to the obligation to ensure the 200 kHz separation between channel edges, unless otherwise agreed.

3.4.2.4 Where a radio spectrum licence holder using adjacent user blocks in the frequency introduces an AAS system, the radio spectrum licence holder using the AAS system shall be obliged to harmonise and to establish a separation between the channel edges, unless otherwise agreed between the licence holders of the radio spectrum concerned.

3.4.2.5 The separation between channel edges shall be determined by using the standard channel spacing of the applied system, unless otherwise agreed by the radio spectrum licence holders who are using adjacent user blocks in the frequency.

3.4.3 In order to reduce and avoid any harmful interference, in addition to those specified in points 3.4.1 and 3.4.2, the radio spectrum licence holders concerned shall be obliged to harmonise and each Party shall mutually modify the characteristics of the stations, irrespective of which radio spectrum licence holder has installed its stations first.

3.5 Terrestrial systems capable of providing electronic communications services in the 790–862 MHz band

3.5.1 Division of the band into sub-bands:

	A	B
1	**Sub-band [MHz]**	**Sub-band name**
2	790–791	guard-band
3	791–821	lower block band
4	821–832	duplex gap band
5	832–862	upper block band

The guard-band and the duplex gap band cannot be further divided.

3.5.2 Division of the lower and upper block bands into basic blocks:

	A	B	C
1	**Basic block**	**Lower block band [MHz]**	**Upper block band [MHz]**
2	1	791–796	832–837
3	2	796–801	837–842
4	3	801–806	842–847
5	4	806–811	847–852
6	5	811–816	852–857
7	6	816–821	857–862

3.5.3 A user block shall consist of an integer number of basic blocks.

3.5.4 Conditions for obtaining the rights of radio spectrum use and the conditions of band use:

	A	B
1	**Subject of the condition**	**Regulation**
2	Purpose of use	provision of electronic communications services
3	Method of frequency allocation	competitive procedure
4	Scope of the frequency range that may be obtained	the scope of basic blocks that can be obtained by participants in the competitive tendering procedure and the size of the user blocks are defined in the specifications of the competitive tendering procedure
5	Territorial scope of rights of radio spectrum use	where the rights of radio spectrum use are obtained as a result of a competitive procedure, a national unit, if such rights of radio spectrum use are obtained by way of transfer, a smaller geographical unit is also allowed.
6	Management mode	block management
7	Secondary trading	rights of radio spectrum use may be transferred or leased in whole or in part; partial transfer of frequency is allowed by base block

3.5.5 Radio spectrum management requirements:

	A	B
1	**Subject of the requirement**	**Regulation**
2	Duplex distance (spacing)	41 MHz
3	Access mode	FDD
4	Nominal channel bandwidth	UMTS: 5 MHz
5		LTE (including LTE-MTC and LTE-eMTC): 5 MHz, 10 MHz, 15 MHz, 20 MHz
6		NB-IoT: 200 kHz
7		NR: 5 MHz, 10 MHz, 15 MHz, 20 MHz
8	Application mode of IoT systems	LTE-MTC, LTE-eMTC: within channel
9		NB-IoT: within channel (IB-NB-IoT), guard-band (GB-NB-IoT)

3.5.6 Frequency bands for transmission signal paths:

	A	B
1	**Signal path**	**Block band**
2	end-user station – fixed station	upper
3	end-user station – relay station	
4	relay station – fixed station	
5	fixed station – end-user station	lower
6	fixed station – relay station	
7	relay station – end-user station	

3.5.7 Technical conditions for fixed stations and relay stations' connection to end-user stations

3.5.7.1 The emission limit is given at any frequency by the highest value, i.e. least strict, of the in-block requirements (point 3.5.7.2) (where applicable), of the basic requirements (points 3.5.7.3 and 3.5.7.4) and of the transitional requirements (point 3.5.7.3). The values correspond to the emitted power of the station, regardless of the number of transmitter antennas, with the exception of values for transitional requirements, which are given per antenna.

3.5.7.2 In-block EIRP may not exceed 64 dBm/5 MHz in the case of fixed stations or relay stations which are installed in a residential area or within 1 km of the borders of the area.

3.5.7.3 Out-of-block limits for frequencies above 790 MHz:

	A	B	C	D
1	**Requirements:**	**Frequency range for out-of-block emissions**	**Maximum mean out-of-block EIRP [dBm]**	**Measurement bandwidth [MHz]**
2	Basic requirements	FDD frequencies for connections to fixed stations	–49.5	5
3	Transitional requirements for terminal FDD frequencies, per antenna, in the case of not more than four antennas	From –10 MHz to –5 MHz from the lower end of the user block	18	5
4		From –5 MHz to 0 MHz from the lower end of the user block	22	5
5		From 0 MHz to + 5 MHz from the upper end of the user block	22	5
6		From +5 MHz to +10 MHz from the upper end of the user block	18	5
7		Residual terminal FDD frequencies	11	1
8	Transitional requirements for frequencies used as gap bands, per antenna, in the case of not more than four antennas	Gap band (guard-band) between the broadcasting band end at 790 MHz and the boundary of the lower block band (790–791 MHz)	17.4	1
9		Gap band between the lower block band boundary and the upper block band boundary (duplex gap band) (821–832 MHz)	15	1

3.5.7.4 Out-of-block limits for frequencies below 790 MHz:

	A	B	C	D	E	F
1	**Requirements**	**Case**		**Condition for in-block EIRP limits at relay stations and fixed stations (P = transmit power) [dBm/10 MHz]**	**Maximum mean out-of-block EIRP [dBm]**	**Measurement bandwidth [MHz]**
2	Basic requirements	A	For protected TV channels	P ≥ 59	0	8
3				36 ≤ P < 59	(P – 59)	8
4				P < 36	–23	8
5		B	For medium-protected TV channels	P ≥ 59	10	8
6				36 ≤ P < 59	(P – 49)	8
7				P < 36	–13	8
8		C	For unprotected TV channels	No condition	22	8

Cases A, B and C in the table can be applied by broadcasting channel or geographical area in such a way that the same broadcasting channel gets a different level of protection in different geographical areas and different broadcasting channels have different levels of protection in the same geographical area. The baseline requirement level of case A applies when digital terrestrial broadcasting channels are in use at the time when terrestrial systems capable of providing electronic communications services are being installed. The baseline levels of cases A, B or C may also be applied if the relevant broadcasting channels are not in use at the time when terrestrial systems capable of providing electronic communications services are being installed. It should be taken into account that cases A and B maintain the possibility to use the relevant broadcasting channels for digital terrestrial broadcasting in the future, whereas case C is appropriate if no future use of the relevant broadcasting channels is envisaged.

3.5.8 Technical conditions for terminals

3.5.8.1 The maximum mean in-block power of terminals shall not exceed 23 dBm in the case of fixed station frequencies.

3.5.8.2 The power limit set out in point 3.5.8.1 is defined as EIRP value for fixed/nomadic terminals and as TRP for mobile/nomadic end-user stations. For isotropic antennas, EIRP and TRP are the same. Taking into account operations under extreme environmental conditions and the production standard deviation, a tolerance of up to +2 dB shall apply for this value.

3.5.8.3 Derogation from the limit in point 3.5.8.1 is possible in the case of certain applications, such as fixed terminals in rural areas, provided that the operation of other services, networks and applications is not compromised and that border zone obligations are met.

3.5.9 Limit values other than those set out in points 3.5.7 and 3.5.8 may be used if a mitigation technique in accordance with Directive 2014/53/EU or the NMHH Decree on Radio Equipment is used which ensures a level of protection equal to or greater than that resulting from the limit values set out in points 3.5.7 and 3.5.8.

3.5.10 Radio spectrum licence holders of user blocks may apply less stringent technical parameters than those set out in points 3.5.7 to 3.5.9, provided that the use of such parameters is accepted by all parties concerned and the said radio spectrum licence holders continue to comply with the technical conditions which have been laid down for the protection of other services, applications and networks and those resulting from cross-border coordination.

3.6 RMR in the 874.4–880/919.4–925 MHz band

3.6.1 Radio spectrum management requirements for the GSM-R system

	A	B
1	**Subject of the requirement**	**Regulation**
2	Channel centre frequency for downlink connection	f_{DL} = 921 MHz + n × 0.2 MHz, where {n ∈ Z | –7 ≤ n ≤ 19}
3	Channel centre frequency for uplink connection	$f_{UL} = f_{DL}$ – 45 MHz
4	Channel bandwidth	200 kHz
5	Largest in-block EIRP	for GSM-R base stations operating in the 919.4–921 MHz band in case of uncoordinated deployment: 70,5 dBm + (f_{DL} – 921) × 40/3 dB, where f_{DL} is the channel centre frequency in MHz and f_{DL} ≤ 921 MHz. For GSM-R base stations transmitting in the 921–925 MHz frequency band, the EIRP is not subject to any restrictions. In order to allow for a higher EIRP, a coordination procedure is necessary or other interference mitigation measures shall be used.

3.6.2 Radio spectrum management requirements for broadband RMR

3.6.2.1 Radio spectrum management requirements for RMR base stations

The requirements set out in this point shall apply to a single broadband RMR, assuming that there is no need for detailed coordination and cooperation arrangements prior to the deployment of the network. In order to allow RMR base stations to operate with multiple carriers or an EIRP higher than those specified in points 3.6.2.1.2 and 3.6.2.1.3., a coordination procedure is necessary or other interference mitigation measures shall be applied among the radio spectrum licence holders concerned in order to ensure the coexistence of adjacent systems in the frequency.

3.6.2.1.1 General radio spectrum management requirements

	A	B
1	**Subject of the requirement**	**Regulation**
2	Antenna system	Use of an AAS base station is not permitted.
3	Bottom edge of the lowest resource block	≥ 919.6 MHz
4	Method of application of NB-IoT systems	In the case of 5 MHz and 5.6 MHz channel bandwidth, in-channel application mode is allowed with no power increase. Application with the guard-band and in-channel application with power increase shall not be allowed.

3.6.2.1.2 In-block requirements

	A	B
1	**RMR channel bandwidth**	**Largest EIRP**
2	200 kHz (for an application mode with stand-alone NB-IoT deployment, comprising a single resource block)	70.5 dBm/200 kHz + (f_{DL} – 921) × 40/3 dB, where f_{DL} is channel centre frequency in MHz and f_{DL} ≤ 921 MHz for cases where f_{DL} > 921 MHz, there is no specific EIRP restriction.
3	1.4 MHz	56 dBm/1.4 MHz + (f_{DL} – 920,2) × 40/3 dB, where f_{DL} is channel centre frequency in MHz and f_{DL} ≤ 921.7 MHz. for cases where f_{DL} > 921.7 MHz, there is no specific EIRP restriction.
4	5 MHz	64.5 dBm/5 MHz + (f_{DL} – 922.1) × 40/3 dB, where f_{DL} is the channel centre frequency in MHz.
5	5.6 MHz	62 dBm/5.6 MHz

3.6.2.1.3 Out-of-block requirements

	A	B	C
1	**Subject of the requirement**	**Frequency range**	**EIRP limit**
2	Basic requirement (priority over out-of-band requirements)	880–915 MHz	–49 dBm/5 MHz
3	Out-of-band requirement from the edge of the user block (919.4–925 MHz)	0 ≤ Δf < 0.2 MHz	32.5 dBm/200 kHz
4		0.2 MHz ≤ Δf < 1 MHz	14 dBm/800 kHz
5		1 MHz ≤ Δf < 10 MHz	5 dBm/MHz

3.6.2.2 Radio spectrum management requirements for RMR equipment

	A	B	C
1	**Subject of the requirement**	**Regulation**	
2		**RMR onboard radios**	**RMR equipment other than RMR on-board radios**
3	Maximum output power	> 23 dBm, but ≤ 31 dBm	23 dBm
4	ACLR	≥ 37 dB	≥ 30 dB
5	Power control	mandatory upwards and must be switched on	mandatory upwards and must be switched on

3.6.2.3 Radio spectrum management requirements for RMR receivers

3.6.2.3.1 For RMR receivers using broadband technology, the band is available when spectrum access and mitigation techniques are used that ensure an adequate level of receiver performance to meet the basic requirements. If the related techniques are described in harmonised standards (or parts thereof) whose references have been published in the Official Journal of the European Union under Directive 2014/53/EU, it must be ensured that the performance is at least equivalent to the level of performance of these techniques.

3.6.2.3.2. In the tables in points 3.6.3.2.3 and 3.6.2.3.4., the values are valid for both blocking and third order intermodulation. The reference point is the antenna connector of the radio module. The reference sensitivity is the minimum mean power on the antenna connector, where a specified minimum power must be achieved.

3.6.2.3.3 Requirements for the receiver characteristics of RMR base stations

	A	B
1	**Subject of the requirement**	**Regulation**
2	Useful signal level	reference sensitivity + 3 dB
3	Maximum interfering signal in the 870–874.4 MHz band (for interfering signal with 200 kHz bandwidth)	–34 dBm

3.6.2.3.4 Requirements for the receiver characteristics of RMR on-board radios

	A	B
1	**Subject of the requirement**	**Regulation**
2	Useful signal level	reference sensitivity + 3 dB
3	Maximum interfering signal in the 880–918.9 MHz band (in the case of RFID interfering signal with 400 kHz bandwidth)	–26 dBm
4	Maximum continuous wave interfering signal in the 925.6–927 MHz band	–13 dBm
5	Maximum continuous wave interfering signal in the 927–960 MHz band	–10 dBm
6	Maximum 5 MHz LTE interfering signal (lowest carrier at 927.6 MHz)	–13 dBm

3.7 Terrestrial systems capable of providing electronic communications services in the 880–915/925–960 MHz and 1710–1785/1805–1880 MHz bands

3.7.1 For the purposes of point 3.7:

3.7.1.1 *narrowband system:* a terrestrial system operating on a 200 kHz channel, which is capable of providing electronic communications services, excluding GSM systems;

3.7.1.2 *broadband system:* a terrestrial system operating on a channel over the bandwidth of 200 kHz, which is capable of providing electronic communications services.

3.7.2 Division of the 880–915/925–960 MHz band into sub-bands:

	A	B
1	**Sub-band [MHz]**	**Sub-band name**
2	880–915	lower block band
3	925–960	upper block band

3.7.3 Division of the 1710–1785/1805–1880 MHz band into sub-bands:

	A	B
1	**Sub-band [MHz]**	**Sub-band name**
2	1710–1785	lower block band
3	1805–1880	upper block band

3.7.4 Division of the 880–915/925-960 MHz band into basic blocks:

	A	B	C
1	**Basic block**	**Lower block band [MHz]**	**Upper block band [MHz]**
2	1	880–885	925–930
3	2	885–890	930–935
4	3	890–895	935–940
5	4	895–900	940–945
6	5	900–905	945–950
7	6	905–910	950–955
8	7	910–915	955–960

3.7.5 Division of the 1710–1785/1805–1880 MHz band into basic blocks:

	A	B	C
1	**Basic block**	**Lower block band [MHz]**	**Upper block band [MHz]**
2	1	1710–1715	1805–1810
3	2	1715–1720	1810–1815
4	3	1720–1725	1815–1820
5	4	1725–1730	1820–1825
6	5	1730–1735	1825–1830
7	6	1735–1740	1830–1835
8	7	1740–1745	1835–1840
9	8	1745–1750	1840–1845
10	9	1750–1755	1845–1850
11	10	1755–1760	1850–1855
12	11	1760–1765	1855–1860
13	12	1765–1770	1860–1865
14	13	1770–1775	1865–1870
15	14	1775–1780	1870–1875
16	15	1780–1785	1875–1880

3.7.6 The size of the user block shall normally allow access to a contiguous spectrum of at least 5 MHz. If the size of the user block is smaller, it must be a multiple of 200 kHz.

3.7.7 Conditions for obtaining the rights of radio spectrum use and the conditions of band use:

	A	B
1	**Subject of the condition**	**Regulation**
2	Purpose of use	provision of electronic communications services
3	Method of frequency allocation	competitive procedure
4	Scope of the frequency range that may be obtained	the scope of basic blocks that may be obtained by participants in the competitive tendering procedure, the size of user blocks and the use of radio spectrum within the user block shall be defined in the specifications of the competitive tendering procedure.
5	Territorial scope of rights of radio spectrum use	where the rights of radio spectrum use are obtained as a result of a competitive procedure, a national unit, if such rights of radio spectrum use are obtained by way of transfer, a smaller geographical unit is also allowed.
6	Management mode	block management
7	Secondary trading	the right of radio spectrum use may be transferred and leased in whole or in part without any territorial or temporal restriction, i.e. without limitation on the minimum unit and quantity of the frequency band, subject to compliance with point 3.7.6.
8	Band rearrangement	allowed

3.7.8 Radio spectrum management requirements:

3.7.8.1 General radio spectrum management requirements:

	A	B	C
1	**Subject of the requirement**	**Regulation**	
2		**880–915/925–960 MHz**	**1710–1785/1805–1880 MHz**
3	Uplink frequency band of end-user stations/relay stations	lower block band	
4	Downlink frequency band of MFCN stations	upper block band	
5	Relationship between the mobile station and fixed station's channel centre frequencies	Fb(a) = Fm(a) + D [MHz], Fb(v) = Fm(v) – D [MHz], where Fb(a) fixed station transmission frequency/channel centre frequency [MHz], Fb(v) fixed station reception frequency/channel centre frequency [MHz], Fm(a) mobile station transmission frequency/channel centre frequency [MHz], Fm(v) mobile station reception frequency/channel centre frequency [MHz], D duplex distance	
6	Duplex distance	45 MHz	95 MHz
7	Access mode, mode of operation	FDD	
8		the lower block band or its parts may only be used for uplink operation without pairing with spectrum within the upper block band (e.g. for SUL)	
9		the upper block band or its parts may only be used for downlink operation without pairing with spectrum within the lower block band (e.g. for SDL)	

	A	B	C
1	**Subject of the requirement**	**Regulation**	
2		**880–915/925–960 MHz**	**1710–1785/1805–1880 MHz**
10	Antenna system	Use of AAS MFCN station is not allowed Use of AAS end-user station is not allowed	Use of AAS MFCN station is allowed Use of AAS end-user station is not allowed
11	Interference protection	–	terrestrial systems which are capable of providing electronic communications services and use an AAS MFCN station shall not claim more protection against systems in adjacent bands than terrestrial systems which are capable of providing electronic communications services and use non-AAS MFCN stations

3.7.8.2 Specific radio spectrum management requirements for certain applications:

	A	B	C
1	**Subject of the requirement**	**Regulation**	
2		**880–915/925–960 MHz**	**1710–1785/1805–1880 MHz**
3	Nominal channel bandwidth	GSM, EC-GSM-IoT, NB-IoT: 200 kHz	
4		UMTS, WiMAX: 5 MHz	
5		LTE (including LTE-MTC and LTE-eMTC): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz	
6		NR: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 35 MHz	NR: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz
7		channel centre frequencies may be chosen for any of the places permitted under the applicable standards, but the channels shall be located near the edges of the user blocks in such a way that the channel belonging to a given channel centre frequency falls fully into the user block of the radio spectrum licence holder, even with the nominal channel bandwidth of the chosen technology and the separation between the channel edges provided for in point 3.7.9, also taking into account the requirements for in-block radio spectrum use in the specifications of the competitive tendering procedure, unless otherwise agreed between radio spectrum licence holders using adjacent user blocks in the frequency	
8	Application mode of IoT systems	EC-GSM-IoT: within the channel, stand-alone	
9		LTE-MTC, LTE-eMTC: within the channel	
10		NB-IoT: in-channel (IB-NB-IoT), guard-band (GB-NB-IoT), stand-alone (SA-NB-IoT)	

3.7.9 Separation between channel edges at the boundaries of user blocks

3.7.9.1 In the absence of bilateral or multilateral agreements between the radio spectrum licence holders concerned, separation between channel edges is necessary to ensure the coexistence of adjacent systems in the frequency.

3.7.9.2 The location of the gap band (separation between channel edges, expressed in kHz) at the boundaries of the user blocks which were obtained through the competitive tendering procedure is determined by a public authority contract or the tender specifications. In the absence of this or in failure of frequency coordination, points 3.7.9.3 to 3.7.9.11 shall apply.

3.7.9.3 The categorisation of each technology is shown in the table below:

	A	B
1	**System type (Category)**	**Technology**
2	GSM system (1)	GSM
3		EC-GSM-IoT
4	Narrowband system (1)	NB-IoT
5	Broadband system (2)	UMTS
6		LTE
7		LTE-MTC
8		LTE-eMTC
9		WiMAX
10		NR

3.7.9.4 A 200 kHz separation shall be applied between the nominal channel edges of the following adjacent systems in the frequency:

3.7.9.4.1 a narrowband system and a broadband system meeting the technical conditions set out in point 3.7.10;

3.7.9.4.2 two different types of narrowband systems meeting the technical conditions set out in point 3.7.10;

3.7.9.4.3 a GSM system and a narrow or broadband system, both of which meet the technical conditions set out in point 3.7.10.

3.7.9.5 The frequency separation conditions given in 3.7.9.4 are summarised in the table below, broken down into technologies:

	A	B	C	D	E	F	G	H
1	Network B	Network A						
2		GSM EC-GSM-IoT	SA-NB-IoT	UMTS	LTE LTE-MTC LTE-eMTC IB-NB-IoT	GB-NB-IoT	WiMAX	NR
3	GSM EC-GSM-IoT	0 kHz	200 kHz	200 kHz	200 kHz	200 kHz	200 kHz	200 kHz
4	SA-NB-IoT	200 kHz	0 kHz	200 kHz	200 kHz	200 kHz	200 kHz	200 kHz
5	UMTS	200 kHz	200 kHz	0 kHz	0 kHz	200 kHz	0 kHz	0 kHz
6	LTE LTE-MTC LTE-eMTC IB-NB-IoT	200 kHz	200 kHz	0 kHz	0 kHz	200 kHz	0 kHz	0 kHz
7	GB-NB-IoT	200 kHz	200 kHz	200 kHz	200 kHz	200 kHz	200 kHz	200 kHz

	A	B	C	D	E	F	G	H
1	Network B	Network A						
2		GSM EC-GSM-IoT	SA-NB-IoT	UMTS	LTE LTE-MTC LTE-eMTC IB-NB-IoT	GB-NB-IoT	WiMAX	NR
8	WiMAX	200 kHz	200 kHz	0 kHz	0 kHz	200 kHz	0 kHz	0 kHz
9	NR	200 kHz	200 kHz	0 kHz	0 kHz	200 kHz	0 kHz	0 kHz

3.7.9.6 In the guard-band application mode of a given broadband system (GB-NB-IoT), more precisely for a narrowband system operating on the side of the user block which is used for the broadband system, a minimum separation of 200 kHz shall be applied between the channel edge of the narrowband system and the edge of the user block, taking into account the existing guard-bands between the edges of adjacent user blocks in the frequency or the edge of the operating band (nearing other services in frequency). This narrowband system shall only be operated in a block of at least 10 MHz of that broadband system.

3.7.9.7 At the time of the introduction of the IoT system, except for LTE-MTC, LTE-eMTC and IB-NB-IoT systems, the separation between the channel edges shall be ensured by the radio spectrum licence holder who is introducing the IoT system. Where both radio spectrum licence holders using adjacent user blocks in the frequency implement IoT systems, the separation between channel edges shall be ensured by both radio spectrum licence holders, unless otherwise agreed.

3.7.9.8 Separation between channel edges may be reduced by mutual agreement between radio spectrum licence holders.

3.7.9.9 When it comes to networks which are adjacent in frequency but use different categories of technology and belong to two radio spectrum licence holders, upon the use of block-bordering channels in adjacent user blocks, channel edge separation according to the table in point 3.7.9.5 shall be ensured by the user block of the radio spectrum licence holder who is applying category 1 technology as defined in point 3.7.9.3, unless otherwise agreed between licence holders using adjacent user blocks.

3.7.9.10 The separation between channel edges shall be determined by the standard channel spacing of the applied system, unless otherwise agreed by radio spectrum licence holders who are using adjacent user blocks in the frequency.

3.7.9.11 In order to reduce and avoid harmful interference, in addition to those set out in points 3.7.9.1 to 3.7.9.10, the radio spectrum licence holder concerned shall be obliged to harmonise and each Party shall mutually modify the characteristics of the stations, regardless of who installed its stations first.

3.7.9.12 A 200 kHz separation shall be applied between RMR systems and terrestrial systems capable of providing electronic communications services, and this separation shall be applied between the nominal channel edges of these systems at the frequency limit of 880/925 MHz in the following cases:

3.7.9.12.1 an RMR system operating on a 200 kHz channel, which is adjacent to a broadband system in frequency;

3.7.9.12.2 an RMR system operating on a channel greater than 200 kHz, which is adjacent to a narrowband system in frequency;

3.7.9.12.3 an RMR system operating on a 200 kHz channel, which is adjacent to a narrowband system of a different type in frequency.

3.7.9.13 Where a 200 kHz separation is necessary between the RMR system and the terrestrial system capable of providing electronic communications services, and radio spectrum licence holders using adjacent user blocks do not otherwise agree, the separation between channel edges shall be ensured by both radio spectrum licence holders.

3.7.10 Technical conditions for the downlink connection of an MFCN station

3.7.10.1 The technical conditions set out in point 3.7.10 do not apply to GSM systems.

3.7.10.2 For a non-AAS MFCN station, the in-block EIRP may not exceed 65 dBm/(5 MHz) for broadband systems and 64 dBm/(200 kHz) per antenna for narrowband systems. For an AAS MFCN station in the 1805–1880 MHz band, in-block TRP shall not exceed 58 dBm/(5 MHz) per cell.

3.7.10.3 Out-of-block requirements within the 925–960 MHz and 1805–1880 MHz band

	A	B	C	D
1	**Requirement**	**Frequency range of out-of-block emissions of MFCN stations within the upper block band**	**Maximum mean EIRP, per antenna, for a non-AAS MFCN station**	**Maximum mean TRP, per cell, for AAS MFCN stations** (only for the 1805–1880 MHz band)
2	Basic requirement	Frequencies more than 10 MHz from the lower or upper edge of the user block	3 dBm/MHz	–6 dBm/MHz
3	Transitional requirement	0–0.2 MHz range from the edge of the user block	32.4 dBm/(0.2 MHz)	17.4 dBm/(0.2 MHz)
4		0.2–1 MHz range from the edge of the user block	13.8 dBm/(0.8 MHz)	4.7 dBm/(0.8 MHz)
5		1–5 MHz range from the edge of the user block	5 dBm/MHz	–4 dBm/MHz
6		5–10 MHz range from the edge of the user block	12 dBm/(5 MHz)	3 dBm/(5 MHz)

3.7.10.4 Out-of-block requirements outside the 925–960 MHz and 1805–1880 MHz band

	A	B	C
1	**Requirement**	**Frequency range of out-of-block emissions of MFCN stations outside the upper block band**	**Maximum mean EIRP, per antenna, for a non-AAS MFCN station**
2	Additional basic requirement	0–0.2 MHz range from the edge of the user block	32.4 dBm/(0.2 MHz)
3		0.2–1 MHz range from the edge of the user block	13.8 dBm/(0.8 MHz)
4		1–5 MHz range from the edge of the user block	5 dBm/MHz
5		5–10 MHz range from the edge of the user block	12 dBm/(5 MHz)
6		> 10 MHz range from the edge of the user block	3 dBm/MHz

3.7.10.4.1 For AAS MFCN stations, the out-of-block requirements set out in point 3.7.10.3 shall also apply mutatis mutandis to the range outside the upper block band, in the range 0 to 10 MHz from the edge of the upper block band, taking into account the position of the user block.

3.7.10.4.2 The secondary wave transmission range of the MFCN station will begin at a frequency spacing of 10 MHz from the edge of the upper block band. The relevant limit values are set out in Recommendation ERC/REC 74-01.

3.7.10.5 In the case of a multi-sector AAS MFCN station, the emitted power limit shall apply to each sector.

3.7.11 Technical conditions for end-user stations

3.7.11.1 The maximum mean in-block TRP for mobile terminal stations shall not exceed 25 dBm.

3.7.11.2 Taking into account operations under extreme environmental conditions and the production standard deviation, the value in point 3.7.11.1 shall include a tolerance of not more than + 2 dB. This value does not include the test tolerance.

3.7.12 When appropriate mitigation techniques are used, limit values other than those specified in point 3.7.10 may also be used. These mitigation techniques should comply with Directive 2014/53/EU and the NMHH Decree on Radio Equipment and shall provide at least the level of protection provided by the basic requirements.

3.7.13 Radio spectrum licence holders of user blocks may, on the basis of bilateral or multilateral agreements, apply less stringent technical parameters than those set out in points 3.7.10 and 3.7.12, provided that they continue to comply with the applicable technical conditions for the protection of other services, applications or networks and with their obligations arising from border coordination.

3.8 Terrestrial systems capable of providing electronic communications services in the band 1427–1492 MHz

3.8.1 Operation in the 1427–1492 MHz band is limited to the downward transmissions of fixed stations.

3.8.2 Division of the band into basic blocks:

	A	B
1	**Basic block identification**	**Frequency range [MHz]**
2	1	1427–1432
3	2	1432–1437
4	3	1437–1442
5	4	1442–1447
6	5	1447–1452
7	6	1452–1457
8	7	1457–1462
9	8	1462–1467
10	9	1467–1472
11	10	1472–1477
12	11	1477–1482
13	12	1482–1487
14	13	1487–1492

3.8.3 A user block shall consist of an integer number of basic blocks.

3.8.4 Conditions for obtaining the rights of radio spectrum use and the conditions of band use:

	A	B
1	**Subject of the condition**	**Regulation**
2	Purpose of use	provision of electronic communications services
3	Method of frequency allocation	competitive procedure
4	Scope of the frequency range that may be obtained	the scope of basic blocks that can be obtained by the participant in the competitive tendering procedure and the size of the user blocks are defined in the specifications of the competitive tendering procedure
5	Territorial scope of rights of radio spectrum use	where the rights of radio spectrum use are obtained as a result of a competitive procedure, a national unit, if such rights of radio spectrum use are obtained by way of transfer, a smaller geographical unit is also allowed.
6	Management mode	block management
7	Secondary trading	rights of radio spectrum use may be transferred or leased in whole or in part; partial transfer of frequency is allowed by base block

3.5.8 Radio spectrum management requirements:

	A	B
1	**Subject of the requirement**	**Regulation**
2	Nominal channel bandwidth	LTE: 5 MHz, 10 MHz, 15 MHz, 20 MHz

3.8.6 Technical conditions for fixed stations

3.8.6.1 In-block EIRP may not exceed 68 dBm/5 MHz. For some applications, this value may be increased, in particular in the case of combined spectrum use in the 1427–1492 MHz band and in lower frequency bands.

3.8.6.2 Out-of-block EIRP limits, per antenna, in the 1427–1492 MHz band

	A	B	C
1	**Frequency range of out-of-block emissions**	**Maximum mean out-of-block EIRP [dBm]**	**Measurement bandwidth [MHz]**
2	From –10 MHz to –5 MHz from the lower end of the user block	11	5
3	From –5 MHz to 0 MHz from the lower end of the user block	16.3	5
4	From 0 MHz to +5 MHz from the upper end of the user block	16.3	5
5	From +5 MHz to +10 MHz from the upper end of the user block	11	5
6	Frequencies more than 10 MHz from the lower or upper end of the user block, within the 1427–1492 MHz band	9	5

3.8.6.3 For fixed stations operating in the 1427–1552 MHz band, the power limits for unwanted emissions to ensure compatibility with radio astronomy and passive Earth exploration-satellite services in the 1400–11427 MHz band:

	A	B	C
1	**Frequency range of out-of-band emissions**	**Maximum power level of unwanted emissions on the antenna connector [dBW]**	**Measurement bandwidth [MHz]**
2	1400–1427 MHz	–72	27

3.8.6.4 Out-of-band EIRP limits per cell for fixed stations operating in the 1452–1492 MHz band to ensure compatibility with coordinated fixed connections, mobile services and aeronautical telemetry services limited to ground-based stations, deployed in adjacent frequency bands above 1492 MHz:

	A	B	C
1	**Frequency range of out-of-band emissions**	**Maximum mean out-of-band EIRP [dBm]**	**Measurement bandwidth [MHz]**
2	1492–1495 MHz	14	3
3	Above 1495 MHz	–20	1

3.8.7 Radio spectrum licence holders of user blocks may apply less stringent technical parameters than those set out in point 3.8.6, provided that such parameters are agreed with the administrations or the affected radio spectrum licence holders, and the said parameters must comply with the technical conditions laid down for the protection of other services and applications, including those operating in adjacent bands and those subject to border-zone obligations.”

7. In Annex 3, points 4.5 and 4.6 are replaced by the following:

“**4.5 Mobile service systems in the 146–174 MHz band**

4.5.1 General requirements for use

	A	B
1	**Subject of the requirement**	**Regulation**
2	Location of carrier frequencies	as specified in Recommendation T/R 25-08, Section A1.2.1.1
3		the pre-1999 formula set out in this point of the Recommendation shall be used if offset channel spacing in accordance with column B of the table in point 4.5.3 may be used
4		the 10 kHz and 20 kHz channel spacing shall not be used in the case of a station which is installed with newly acquired equipment; the carrier frequency of the 10 kHz bandwidth transmission is defined according to the 12.5 kHz channel spacing, the carrier frequency of the 20 kHz bandwidth is determined according to the 25 kHz channel spacing
5	Installation and radiation characteristics	when choosing them, account shall be taken of the protection of the stations and networks already operating on the same and adjacent channels, provided that the band is not subject to any other requirement in column H of the table in Annex 2, point 2
6	Mode of transmission	F3E, G3E, F1D, G1D, 7K60FXE
7	Other conditions	
8	in the 150.05–151.4/154.65–156 MHz band in the 167.3–169.4/171.9–174 MHz band	rights of radio spectrum use may also be obtained for single frequency radio spectrum with up to regional coverage

4.5.2 In column A of the table under point 4.5.3, use of the radio spectrum in the frequency bands marked with * is non-civil, whereas in any other case it is civil.

4.5.3 Detailed technical requirements

	A	B	C	D	E	F	G
1	**Frequency band, frequency [MHz]**	**Channel spacing [kHz]**	**Nature of radio spectrum use**	**Transmission or reception band**	**First carrier frequency [MHz] (channel number)**	**Last carrier frequency [MHz] (channel number)**	**Duplex distance (spacing) [MHz]**
2	146–146,5	6.25	exclusive or shared	–	146.003125 (1)	146.496875 (80)	–
3		12.5			146.00625 (1)	146.49375 (40)	
4	146.5–146.8	6.25	exclusive or shared	–	146.503125 (81)	146.796875 (128)	–
5		12.5			146.50625 (41)	146.79375 (64)	
6		25			146.5125 (21)	146.7875 (32)	
7	146.8–147.6/ 151.4–152.2	6.25	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	146.803125/151.403125 (1)	147.596875/152.196875 (128)	4.6
8		12.5			146.80625/151.40625 (1)	147.59375/152.19375 (64)	
9		25			146.8125/151.4125 (1)	147.5875/152.1875 (32)	

	A	B	C	D	E	F	G
1	**Frequency band, frequency [MHz]**	**Channel spacing [kHz]**	**Nature of radio spectrum use**	**Transmission or reception band**	**First carrier frequency [MHz] (channel number)**	**Last carrier frequency [MHz] (channel number)**	**Duplex distance (spacing) [MHz]**
10	147.6–148/ 152.2–152.6	6.25	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	147.603125/152.203125 (129)	147.996875/152.596875 (192)	4.6
11		12.5			147.60625/152.20625 (65)	147.99375/152.59375 (96)	
12	148–148.2125/ 152.6–152.8125	6.25	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	148.003125/152.603125 (193)	148.209375/152.809375 (226)	4.6
13		12.5			148.00625/152.60625 (97)	148.20625/152.80625 (113)	
14	148–148.2125	6.25	exclusive or shared	–	148.003125 (193)	148.209375 (226)	–
15		12.5			148.00625 (97)	148.20625 (113)	
16		offset 12.5			148.0125 (offset 97)	148.2 (offset 112)	
17		25			148.0125 (49)	148.1875 (56)	
18		offset 25			148.025 (offset 49)	148.2 (offset 56)	
19	148.2125–148.2375	12.5	joint	–	148.21875 (114)	148.23125 (115)	–
20		offset 12.5			148.225 (offset 114)	148.225 (offset 114)	
21		offset 25			148.225 (offset 57)	148.225 (offset 57)	
22	148.2375–149.4/ 152.8375–154	6.25	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	148.240625/152.840625 (231)	149.396875/153.996875 (416)	4.6
23		12.5			148.24375/152.84375 (116)	149.39375/153.99375 (208)	
24	148.2375–149.4	6.25	exclusive or shared	–	148.240625 (231)	149.396875 (416)	–
25		12.5			148.24375 (116)	149.39375 (208)	
26		offset 12.5			148.25 (offset 116)	149.3875 (offset 207)	
27		25			148.2625 (59)	149.3875 (104)	
28		offset 25			148.25 (offset 58)	149.375 (offset 103)	
29	149.4–149.9	6.25	exclusive or shared	–	149.403125 (417)	149.896875 (496)	–
30		12.5			149.40625 (209)	149.89375 (248)	
31	150.05–151.4/ 154.65–156*	10	–	base transmitters in the upper band, mobile transmitters in the lower band	150.05625/154.65625 (1)	151.39375/155.99375 (108)	4.6
32		12.5					
33		20			150.0625/154.6625 (1)	151.3875/155.9875 (54)	
34		25					
35	152.8125–152.8375	12.5	joint	–	152.81875 (114)	152.83125 (115)	–
36	154–154.5*	10	–	–	154.00625 (209)	154.49375 (248)	–
37		12.5					
38		20			154.0125 (105)	154.4875 (124)	
39		25					

	A	B	C	D	E	F	G
1	**Frequency band, frequency [MHz]**	**Channel spacing [kHz]**	**Nature of radio spectrum use**	**Transmission or reception band**	**First carrier frequency [MHz] (channel number)**	**Last carrier frequency [MHz] (channel number)**	**Duplex distance (spacing) [MHz]**
40	154.5–154.65*	10	–	–	154.50625 (1)	154.64375 (12)	–
41		12.5					
42		20			154.5125 (1)	154.6375 (6)	
43		25					
44	156–156.375/ 160.6–160.975	6.25	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	156.003125/160.603125 (1)	156.371875/160.971875 (60)	4.6
45		12.5			156.00625/160.60625 (1)	156.36875/160.96875 (30)	
46	156.375–156.7625	6.25	exclusive or shared	–	156.378125 (1)	156.759375 (62)	–
47		12.5			156.38125 (1)	156.75625 (31)	
48	156.8375–156.875	6.25	exclusive or shared	–	156.840625 (75)	156.871875 (80)	–
49		12.5			156.84375 (38)	156.86875 (40)	
50	156.875–157.45/ 161.475–162.05	6.25	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	156.878125/161.478125 (141)	157.446875/162.046875 (232)	4.6
51		12.5			156.88125/161.48125 (71)	157.44375/162.04375 (116)	
52	157.45–159.5625/ 162.05–164.1625	6.25	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	157.453125/162.053125 (1)	159.559375/164.159375 (338)	4.6
53		12.5			157.45625/162.05625 (1)	159.55625/164.15625 (169)	
54		offset 12.5			157.4625/162.0625 (offset 1)	159.55/164.15 (offset 168)	
55		25			157.4625/162.0625 (1)	159.5375/164.1375 (84)	
56		offset 25			157.475/162.075 (offset 1)	159.55/164.15 (offset 84)	
57	159.5625–159.5875	6.25	exclusive or shared	–	159.565625 (339)	159.584375 (342)	–
58		12.5			159.56875 (170)	159.58125 (171)	
59	159.5875–160.6/ 164.1875–165.2	6.25	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	159.590625/164.190625 (343)	160.596875/165.196875 (504)	4.6
60		12.5			159.59375/164.19375 (172)	160.59375/165.19375 (252)	
61		offset 12.5			159.6/164.2 (offset 172)	160.5875/165.1875 (offset 251)	
62		25			159.6125/164.2125 (87)	160.5875/165.1875 (126)	
63		offset 25			159.6/164.2 (offset 86)	160.575/165.175 (offset 125)	
64	160.975–161.475	6.25	exclusive or shared	–	160.978125 (1)	161.471875 (80)	–
65		12.5			160.98125 (1)	161.46875 (40)	

	A	B	C	D	E	F	G
1	**Frequency band, frequency [MHz]**	**Channel spacing [kHz]**	**Nature of radio spectrum use**	**Transmission or reception band**	**First carrier frequency [MHz] (channel number)**	**Last carrier frequency [MHz] (channel number)**	**Duplex distance (spacing) [MHz]**
66	164.1625–164.1875	offset 12.5	exclusive or shared	–	164.175 (offset 170)	164.175 (offset 170)	–
67	165.2–165.225	6.25	exclusive or shared	–	165.203125 (1)	165.221875 (4)	–
68		12.5			165.20625 (1)	165.21875 (2)	
69	165.225–166.6125	6.25	exclusive or shared	–	165.228125 (1)	166.609375 (222)	–
70		12.5			165.23125 (1)	166.60625 (111)	
71	166.6125–166.6375	12.5	joint	–	166.61875 (112)	166.63125 (113)	–
72		offset 12.5			166.625 (offset 112)	166.625 (offset 112)	
73		offset 25			166.625 (offset 56)	166.625 (offset 56)	
74	166.6375–166.8125	6.25	exclusive or shared	–	166.640625 (227)	166.809375 (254)	–
75		12.5			166.64375 (114)	166.80625 (127)	
76	166.8125–166.8375	12.5	joint	–	166.81875 (128)	166.83125 (129)	–
77		offset 12.5			166.825 (offset 128)	166.825 (offset 128)	
78		offset 25			166.825 (offset 64)	166.825 (offset 64)	
79	166.8375–167.3	6.25	exclusive or shared	–	166.840625 (259)	167.296875 (332)	–
80		12.5			166.84375 (130)	167.29375 (166)	
81	167.3–169.4/ 171.9–174*	10	–	base transmitters in the upper band, mobile transmitters in the lower band	167.30625/171.90625 (167)	169.39375/173.99375 (334)	4.6
82		12.5					
83		20			167.3125/171.9125 (84)	169.3875/173.9875 (167)	
84		25					
85	169.8125–169.825*	10	–	–	169.81875 (34)	169.81875 (34)	–
86		12.5					
87	169.825–171.9*	10	–	–	169.83125 (1)	171.89375 (166)	–
88		12.5					
89		20			169.825 (1)	171.875 (83)	
90		25					

4.6 Inland waterway mobile service systems in the 156–162.05 MHz band

4.6.1 Allocation plan of frequencies which are designated (K) and planned (T) for coastal and ship stations on inland waterways in respect of the channels designed for RAINWAT and VDES and ASM in accordance with Decision ECC/DEC/(19)03

	A	B	C	D	E	F	G
1	**Channel number**		**Transmission frequencies [MHz]**		**Ship-to-ship link**	**Ship-to-shore link**	**Navigational information**
2			**Ship**	**Coastal**			
3			**station**				
4		60	156.025	160.625			T

	A	B	C	D	E	F	G
1	**Channel number**		**Transmission frequencies [MHz]**		**Ship-to-ship link**	**Ship-to-shore link**	**Navigational information**
2			**Ship**	**Coastal**			
3			**station**				
5	01		156.050	160.650			T
6		61	156.075	160.675			T
7	02		156.100	160.700			T
8		62	156.125	160.725			T
9	03		156.150	160.750			T
10		63	156.175	160.775			T
11	04		156.200	160.800			T
12		64	156.225	160.825			T
13	05		156.250	160.850			T
14		65	156.275	160.875			K
15	06		156.300	156.300	T		
16		66	156.325	160.925			T
17	07		156.350	160.950			K
18		67	156.375	156.375			T
19	08		156.400	156.400	T		
20		68	156.425	156.425			T
21	09		156.450	156.450			T
22		69	156.475	156.475			T
23	10		156.500	156.500	K		
24	11		156.550	156.550		K	
25		71	156.575	156.575		K	
26	12		156.600	156.600		K	
27		72	156.625	156.625	T		
28	13		156.650	156.650		K	
29		73	156.675	156.675		K	
30	14		156.700	156.700		K	
31		74	156.725	156.725		T	
32	15		156.750	156.750	on-board telecommunications, K		
33		75	156.775	156.775		K	
34	16		156.800	156.800	distress, safety and calling, K		
35		76	156.825	156.825			K
36	17		156.850	156.850	on-board telecommunications, K		
37		77	156.875	156.875	T		
38	18		156.900	161.500			K
39		78	156.925	161.525			K
40	19		156.950	161.550			K
41		79	156.975	161.575			K
42	20		157.000	161.600			K
43		80	157.025	161.625			K

	A	B	C	D	E	F	G
1	**Channel number**		**Transmission frequencies [MHz]**		**Ship-to-ship link**	**Ship-to-shore link**	**Navigational information**
2			**Ship**	**Coastal**			
3			**station**				
44	21		157.050	161.650			K
45		81	157.075	161.675			K
46	22		157.100	161.700			K
47		82	157.125	161.725			K
48	23		157.150	161.750			K
49		83	157.175	161.775			K
50	24		157.200	161.800	not usable		
51	1024		157.200	157.200	VDES, T		
52	2024		161.800	161.800	VDES, T		
53		84	157.225	161.825	not usable		
54		1084	157.225	157.225	VDES, T		
55		2084	161.825	161.825	VDES, T		
56	25		157.250	161.850	not usable		
57	1025		157.250	157.250	VDES, T		
58	2025		161.850	161.850	VDES, T		
59		85	157.275	161.875	not usable		
60		1085	157.275	157.275	VDES, T		
61		2085	161.875	161.875	VDES, T		
62	26		157.300	161.900	not usable		
63	1026		157.300	157.300	VDES, T		
64	2026		161.900	161.900	VDES, T		
65		86	157.325	161.925	not usable		
66		1086	157.325	157.325	VDES, T		
67		2086	161.925	161.925	VDES, T		
68	27		157.350	161.950	not usable		
69	1027		157.350	157.350		T	
70	2027		161.950	161.950	ASM1, T		
71		87	157.375	157.375			T
72	28		157.400	162.000	not usable		
73	1028		157.400	157.400		T	
74	2028		162.000	162.000	ASM2, T		
75		88	157.425	157.425			T
76	AIS1		161.975	161.975	K		
77	AIS2		162.025	162.025	K		

In the table, rights of use for radio spectrum can be obtained only on frequencies K for the specified purposes. Rights of use for radio spectrum may only be obtained for large vessels (ships over 20 m) for the purpose of on-board telecommunications.

4.6.2 Further rules for mobile systems on inland waterways
4.6.2.1 A certificate of radiotelephone management on inland waterways is required.
4.6.2.2 Use of DSC is not allowed.
4.6.2.3 Handheld radio telephones may only be used on board.
4.6.2.4 In the frequency bands specified in the RAINWAT Agreement, the equipment shall be fitted with an ATIS pursuant to Annex B of standard MSZ EN 300 698.
4.6.2.5 The transmit power of the radio equipment on board, between vessels and with the coastal port surveillance shall not exceed 1 W.
4.6.2.6 In accordance with Decision ECC/DEC/(19)03, in inland navigation analogue speech transmission shall not be allowed on channels designed for VDES and ASM as of 1 January 2023.”

8. In Annex 3, points 4.9 and 4.10 are replaced by the following:

“**4.9 Mobile service systems in the 406.1–470 MHz**

4.9.1 General requirements for use

	A	B
1	**Subject of the requirement**	**Regulation**
2	Location of carrier frequencies	pursuant to Recommendation T/R 25-08. Section A1.2.1.1, if no dedicated frequencies are specified for the application
3	410–420/420–430 MHz band	the pre-1999 formula set out in this point of the Recommendation cannot be used
4	440–470 MHz band	the pre-1999 formula set out in this point of the Recommendation may be used if there are relevant rules laid down in column H of the table under point 2 of Annex 2
5	Installation and radiation characteristics	when choosing them, account shall be taken of the protection of the stations and networks already operating on the same and adjacent channels, provided that the band is not subject to any other requirement in column H of the table in Annex 2, point 2
6	Mode of transmission	F3E, G3E, F1D, G1D, 7K60FXE
7	Other conditions	
8	in the 415–417/425–427 MHz band	single-frequency radio spectrum use is limited to systems which provide regional coverage at most channels may be merged in the band up to a maximum of 200 kHz for wider band military applications, but the radiation shall not extend beyond the edges of the band
9	in the 417–420/427–430 MHz band	DMO operation not applicable

4.9.2 In column A of the table under point 4.9.3, the use of radio spectrum in the frequency bands marked with * is non-civil, whereas in any other case it is civil.

4.9.3 Detailed technical requirements

	A	B	C	D	E	F	G
1	**Frequency band [MHz]**	**Channel spacing [kHz]**	**Nature of radio spectrum use**	**Transmission or reception band**	**First carrier frequency [MHz] (channel number)**	**Last carrier frequency [MHz] (channel number)**	**Duplex distance [MHz]**
2	406.1–410*	12.5	–	–	406.10625 (1)	409.99375 (312)	–
3		25			406.1125 (1)	409.9875 (156)	
4	415–417/ 425–427*	12.5	–	base transmitters in the upper band, mobile transmitters in the lower band	415.00625/425.00625 (401)	416.99375/426.99375 (560)	10
5		25			415.0125/425.0125 (201)	416.9875/426.9875 (280)	
6	417–420/ 427–430	12.5	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	417.00625/427.00625 (561)	419.99375/429.99375 (800)	10
7		25			417.0125/427.0125 (281)	419.9875/429.9875 (400)	
8	440–441/ 445–446*	12.5	–	base transmitters in the upper band, mobile transmitters in the lower band	440.00625/445.00625 (1)	440.99375/445.99375 (80)	5
9		25			440.0125/445.0125 (1)	440.9875/445.9875 (40)	
10	441–441.1*	12.5	–	–	441.00625 (81)	441.09375 (88)	–
11	441.1–442/ 446.1–447*	12.5	–	base transmitters in the upper band, mobile transmitters in the lower band	441.10625/446.10625 (89)	441.99375/446.99375 (160)	5
12		25			441.1125/446.1125 (45)	441.9875/446.9875 (80)	
13	444.5–445	6.25	exclusive or shared	–	444.503125 (721)	444.996875 (800)	–
14		12.5			444.50625 (361)	444.99375 (400)	
15		25			444.5125 (181)	444.9875 (200)	
16	444.5–445/ 449.5–450	6.25	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	444.503125/449.503125 (721)	444.996875/449.996875 (800)	5
17		12.5			444.50625/449.50625 (361)	444.99375/449.99375 (400)	
18		25			444.5125/449.5125 (181)	444.9875/449.9875 (200)	
19	446–446.1*	12.5	–	–	446.00625 (481)	446.09375 (488)	–
20	446–446.2	6.25	joint	–	446.003125 (961)	446.196875 (992)	–
21		12.5			446.00625 (481)	446.19375 (496)	
22	449.5–450	6.25	exclusive or shared	–	449.503125 (1521)	449.996875 (1600)	–
23		12.5			449.50625 (761)	449.99375 (800)	
24		25			449.5125 (381)	449.9875 (400)	
25	457.38–458.48/ 467.38–468.48	12.5	geographically shared with other applications	base transmitters in the upper band, mobile transmitters in the lower band	457.39375/467.39375 (592)	458.46875/468.46875 (678)	10

	A	B	C	D	E	F	G
1	**Frequency band [MHz]**	**Channel spacing [kHz]**	**Nature of radio spectrum use**	**Transmission or reception band**	**First carrier frequency [MHz] (channel number)**	**Last carrier frequency [MHz] (channel number)**	**Duplex distance [MHz]**
26	457.38–458.48	12.5	geographically shared with other applications	–	457.39375 (592)	458.46875 (678)	–
27	458.48–458.5625	6.25	joint	–	458.484375 (1358)	458.559375 (1370)	–
28		12.5			458.49375 (680)	458.55625 (685)	
29	458.5625-460/ 468.5625-470	6.25	exclusive or shared	base transmitters in the upper band, mobile transmitters in the lower band	458.565625/468.565625 (1371)	459.996875/469.996875 (1600)	10
30		12.5			458.56875/468.56875 (686)	459.99375/469.99375 (800)	
31	467.38–468.48	12.5	geographically shared with other applications	–	467.39375 (1392)	468.46875 (1478)	–
32	468.48–468.5625	6.25	joint	–	468.484375 (2958)	468.559375 (2970)	–
33		12.5			468.49375 (1480)	468.55625 (1485)	

4.10 MCA systems in the 1710–1785/1805–1880 MHz and 1920–1980/2110–2170 MHz band

4.1.10 Purpose of use: provision of MCA services.

4.10.2 Frequency bands and systems for MCA services:

	A	B	C
1	**Frequency band (signal path)**	**Type**	**System**
2	1710–1785 MHz (uplink) 1805–1880 MHz (downlink)	GSM 1800	systems complying with GSM standards, in particular MSZ EN 301 502, MSZ EN 301 511 and MSZ EN 302 480 or equivalent specifications
3		LTE 1800	systems complying with LTE standards, in particular MSZ EN 301 908-1, MSZ EN 301 908-13, MSZ EN 301 908-14, MSZ EN 301 908-15 and MSZ EN 302 480 or equivalent specifications
4		non-AAS NR 1800	non-AAS NR systems complying with NR standards
5	1920–1980 MHz (uplink) 2110–2170 MHz (downlink)	UMTS 2100	systems complying with UMTS standards, in particular MSZ EN 301 908-1, MSZ EN 301 908-2, MSZ EN 301 908-3, MSZ EN 301 908-11 and MSZ EN 302 480 or equivalent specifications

4.3.10 Prevention of mobile end-user stations from connecting to ground networks

4.10.3.1 Until 1 January 2026, the use of the methods set out in point 4.10.3.2 or 4.10.3.3 shall prevent mobile terminal stations, which are capable of receiving in the frequency bands and systems listed in the following table, from attempting to connect to a ground UMTS mobile network:

	A	B
1	**Frequency band [MHz]**	**Ground systems**
2	925–960	UMTS
3	2110–2170	UMTS

4.10.3.2 The installation of an NCU in the MCA system, which increases the level of noise on board in the reception band of mobile stations.

4.10.3.3 Shielding the body of the aircraft to further attenuate the signal entering and leaving the body.

4.10.3.4 After the date indicated in point 4.10.3.1, the MCA operator may, at the discretion of the MCA operator, continue to use an NCU in the frequency bands and systems listed in the table in point 4.10.3.1.

4.10.3.5 At the discretion of the MCA operator, an NCU may be used for terrestrial systems providing electronic communications services in the frequency bands listed in the table below:

	A
1	**Frequency band [MHz]**
2	460–470
3	791–821
4	925–960
5	1805–1880
6	2110–2170
7	2570–2620
8	2620–2690

4.10.4 Radiation requirements

4.10.4.1 NCU, for on-board BTS:

	A	B	C	D	E
1	**Height from ground level [m]**	**Maximum permissible EIRP density from NCU, on-board BTS in the vicinity of the aircraft [dBm/channel bandwidth]**			
2		**NCU**	**GSM and LTE on-board BTS**	**Non-AAS NR on-board BTS**	**UMTS on-board BTS and NCU**
3		**925–960 MHz (900 MHz)**	**1805–1880 MHz (1800 MHz)**	**1805–1880 MHz (1800 MHz)**	**2110–2170 MHz (2100 MHz)**
4		**Channel bandwidth = 3.84 MHz**	**Channel bandwidth = 200 kHz**	**Channel bandwidth = 5 MHz**	**Channel bandwidth = 3.84 MHz**
5	3000	–6.2	–13.0	10	1.0
6	4000	–3.7	–10.5	13	3.5
7	5000	–1.7	–8.5	15	5.4
8	6000	–0.1	–6.9	16	7.0
9	7000	1.2	–5.6	18	8.3
10	8000	2.3	–4.4	19	9.5

4.10.4.2 On-board BTS is not operational in the 900 MHz band, but NCU is required to prevent attempts by end-user stations using other MCA channels to connect to 900 MHz ground UMTS networks.

4.10.4.3 For GSM and LTE on-board BTS, if the channel bandwidth differs from 200 kHz, the correction calculated by the formula 10 × lg(channel bandwidth/(200 kHz)) dB shall be added to the EIRP density values according to column C of the table in point 4.10.4.1.

4.10.4.4 For non-AAS NR on-board BTS, if the channel bandwidth differs from 5 MHz, the correction calculated by the formula 10 × lg(channel bandwidth/(5 MHz)) dB shall be added to the EIRP density values according to column D of the table in point 4.10.4.1.

4.10.4.5 In the case of NCU, together with the requirements of the table in point 4.10.4.1, the requirements of the following table shall also be met if NCU is also used in the frequency bands listed in the table under point 4.10.3.5 to prevent attempts by mobile end-user stations to connect to non-UMTS ground mobile networks:

	A	B	C	D	E
1	**Height from ground level [m]**	**Maximum permissible EIRP density from the NCU in the vicinity of the aircraft**			
2		**460–470 MHz [dBm/1.25 MHz]**	**791–821 MHz [dBm/10 MHz]**	**1805–1880 MHz [dBm/200 kHz]**	**2570–2690 MHz [dBm/4.75 MHz]**
3	3000	–17.0	–0.87	–13.0	1.9
4	4000	–14.5	1.63	–10.5	4.4
5	5000	–12.6	3.57	–8.5	6.3
6	6000	–11.0	5.15	–6.9	7.9
7	7000	–9.6	6.49	–5.6	9.3
8	8000	–8.5	7.65	–4.4	10.4

4.10.4.6 In the case of a mobile end-user station operating on board:

	A	B	C	D	E
1	**Height from ground level [m]**	**Maximum permissible EIRP density from the mobile end-user station in the vicinity of the aircraft**			
2		**GSM 1800 [dBm/200 kHz]**	**LTE 1800 [dBm/5 MHz]**	**LTE 1800 and NR 1800 [dBm/5 MHz]**	**UMTS 2100 [dBm/3.84 MHz]**
3	3000	–3.3	1.7	0	3.1
4	4000	–1.1	3.9	2	5.6
5	5000	0.5	5	4	7
6	6000	1.8	5	6	7
7	7000	2.9	5	7	7
8	8000	3.8	5	8	7

4.10.4.7 The conditions set out in column C of the table in point 4.10.4.6 apply to the operation of MCA systems installed until 31 December 2022.
4.10.4.8 The conditions set out in column D of the table in point 4.10.4.6 apply to the operation of MCA systems installed after 31 December 2022.
4.10.4.9 For systems LTE 1800 and NR 1800, if the channel bandwidth differs from 5 MHz, the correction calculated by the formula 10 × lg(channel bandwidth/5 MHz) dB shall be added to the EIRP density values according to column D of the table in point 4.10.4.6.
4.10.4.10 In column D of the table in point 4.10.4.6, the EIRP density is determined per channel, regardless of the channel bandwidth used, as several mobile terminal stations may be in operation.

4.10.5 Operational requirements
4.10.5.1 The minimum height from the ground level shall be 3000 m for any transmission from the MCA system in operation.
4.10.5.2 When in operation, the on-board BTS shall limit the transmission power of all GSM mobile terminal stations operating in the 1800 MHz band to a nominal value of 0 dBm/200 kHz for the entire duration the connection, including connection to the network.
4.10.5.3 When in operation, the on-board BTS shall limit the transmission power of all LTE mobile terminal stations operating in the 1800 MHz band to a nominal value of 5 dBm/5 MHz for the entire duration of the connection.
4.10.5.4 When in operation, the on-board BTS shall limit the transmission power of all NR mobile terminal stations operating in the 1800 MHz band to a nominal value of 5 dBm/channel for the entire duration of the connection, including connection to the network.
4.10.5.5 When in operation, the on-board BTS shall limit the transmission power of all UMTS mobile terminal stations operating in the 2100 MHz band to a nominal value of -6 dBm/3.84 MHz for the entire duration of the connection, and the number of end-users shall be no more than 20.”

9. Rows 4 and 5 of the table in point 4.11 of Annex 3 to the Decree are replaced by the following:

	(A)	*(B)*	*(C)*	*(D)*
	(Subject of the requirement)	*(Regulation)*		
		(Frequency band [MHz])		
		(5150–5250)	*(5250–5350)*	*(5470–5725)*
4	Allowed operation	Indoor, including equipment inside road vehicles, trains and aircraft, and restricted outdoor use. In the case of outdoor use, the equipment may not be connected to a fixed outdoor antenna, fixed infrastructure, and nor may it be attached to the external bodywork of a road vehicle. Use by UAS is limited to within the band 5170–5250 MHz.	Indoor use: only inside buildings. Equipment inside road vehicles, trains and aircraft shall not be permitted, except for equipment inside aircraft, classified as aeroplanes, with a maximum permissible take-off mass exceeding 5700 kg, which may be operated until 31 December 2028. Outdoor use is not allowed.	Indoor and outdoor use. Equipment inside road vehicles is only allowed for devices that operate in slave mode and are controlled by a fixed device with DFS function in master mode. Use by UAS and equipment inside trains and aircraft shall not be permitted, except for equipment inside aircraft, classified as aeroplanes, with a maximum permissible take-off mass exceeding 5700 kg, which may be operated until 31 December 2028, excluding the band 5600–5650 MHz.
5	Maximum mean EIRP for in-band emissions	200 mW Exceptions: - 40 mW for equipment inside wagons, if the attenuation loss on average is less than 12 dB, - 40 mW for equipment inside road vehicles.	200 mW Exceptions: 100 mW for equipment inside aircraft, classified as aeroplanes, with a maximum permissible take-off mass exceeding 5700 kg.	1 W Exceptions: - 100 mW for equipment inside aircraft, classified as aeroplanes, with a maximum permissible take-off mass exceeding 5700 kg, - 200 mW for equipment inside road vehicles.

10. Point 4.13 of Annex 3 to the Decree is replaced by the following:

"**4.13 WAS/RLAN systems in the 5945–6425 MHz band**

	A	B	C	D
1	**Subject of the requirement**	**Technical specifications for LPI devices**	**Technical specifications for VLP devices**	**Additional requirement**
2	Location of radio spectrum use	Restricted to indoor use, including use on trains with metal-coated windows, or on trains with similar structures from materials with similar attenuation characteristics, and on aircraft. Outdoor use, including use in road vehicles, shall not be permitted.	Indoor and non-fixed outdoor. Use on UAS is not allowed.	Such spectrum access and interference mitigation techniques shall be used that ensure an adequate level of performance to meet the basic requirements. If the related techniques are described in harmonised standards (or parts thereof) whose references have been published in the Official Journal of the European Union under Directive 2014/53/EU, it must be ensured that the performance is at least equivalent to the level of performance of these techniques.
3	Device category	An LPI access point or bridge powered by a wired connection, with a built-in antenna and not a battery. An LPI client device that connects to an LPI access point or to another LPI client device and which can operate with or without battery.	The VLP device is a portable device.	
4	Maximum mean EIRP for in-band emissions	23 dBm	14 dBm	
5	Maximum mean EIRP density for in-band emissions	10 dBm/MHz	1 dBm/MHz 10 dBm/MHz for narrowband use	Such spectrum access and interference mitigation techniques shall be used that ensure an adequate level of performance to meet the basic requirements. If the related techniques are described in harmonised standards (or parts thereof) whose references have been published in the Official Journal of the European Union under Directive 2014/53/EU, it must be ensured that the performance is at least equivalent to the level of performance of these techniques. Narrowband devices are devices operating in a channel bandwidth below 20 MHz. For narrowband devices, a frequency hopping mechanism based on at least 15 hop channels is also required to operate at an in-band power spectral density value above 1 dBm/MHz

	A	B	C	D
1	**Subject of the requirement**	**Technical specifications for LPI devices**	**Technical specifications for VLP devices**	**Additional requirement**
6	Maximum mean EIRP density for out-of-band emissions below 5935 MHz	–22 dBm/MHz	–45 dBm/MHz until 31 December 2024 –37 dBm/MHz from 1 January 2025	Such spectrum access and interference mitigation techniques shall be used that ensure an adequate level of performance to meet the basic requirements. If the related techniques are described in harmonised standards (or parts thereof) whose references have been published in the Official Journal of the European Union under Directive 2014/53/EU, it must be ensured that the performance is at least equivalent to the level of performance of these techniques.

”

11. In Annex 3 to the Decree, points 6.1 and 6.2 are replaced by the following:

“**6.1 General requirements for fixed-satellite systems**

	A	B
1	**Application**	**Requirement**
2	Coordinated earth stations (space-to-Earth)	The station shall not be entitled to protection against the stations of other applications, of a similar nature, which operate in the band. The frequency assignment shall not require the submission of a technical design.
3	VSAT in the 3400–4200 MHz band	
4	Coordinated earth stations (Earth-to-space)	At airports, radio licences shall be subject – besides successful coordination – to the approval of the aviation authority.
5	VSAT	
6	VSAT in the 5725–7075 MHz band	The station shall not cause harmful interference with the stations of other applications, of a similar nature, which are operating in the band. The submission of a technical design shall not be required.
7	Uncoordinated earth stations (space-to-Earth)	The station shall not be entitled to protection against other stations that operate in the same band.
8	Fixed ground stations with VSAT, HEST, SNG, HDFSS, ESOMP, ESIM, NGSO systems	
9	Uncoordinated earth stations (Earth-to-space)	ESOMP and ESIM can also be operated in GSO and NGSO networks. The ESOMP and the ESIM and the satellite network containing them shall operate under the guidance of the NCF. ESOMP and ESIM shall not be used on inland waterways. The station shall not cause harmful interference to other stations operating in the same band.
10	Fixed ground stations with VSAT, HEST, SNG, HDFSS, ESOMP, ESIM, NGSO systems	
11	ROES	The station shall not be entitled to protection against other stations that operate in the same band.

6.2 Additional requirements for earth stations of fixed-satellite systems in the 27.5–30 GHz band

	A	B
1	**Subject of the requirement**	**Regulation**
2	Elevation angle of the end-user station emission axis in the 27.5–29.5 GHz band	min. 3°
3	Power	pursuant to Decision ECC/DEC/(05)01, Annex 2, point 5 in the case of uncoordinated earth stations in the 27.5–29.5 GHz band pursuant to Decision ECC/DEC/(13)01, Annex 1, point 8 in the case of GSO ESOMP pursuant to Decision ECC/DEC/(15)04, Annex 1, point 8 in the case of NGSO ESOMP
4	Power density	
5	in the 27.5–29.1 GHz band	pursuant to Decision ECC/DEC/(05)01, Annex 2, point 1 in the case of an uncoordinated earth station pursuant to Decision ECC/DEC/(13)01, Annex 2 in the case of GSO ESOMP pursuant to Decision ECC/DEC/(15)04, Annex 2 in the case of NGSO ESOMP
6	in the 29.1–29.5 GHz band	pursuant to Decision ECC/DEC/(05)01, Annex 2, point 1 in the case of an uncoordinated earth station pursuant to Decision ECC/DEC/(13)01, Annex 2 in the case of GSO ESOMP
7	Frequency range	in the case of an uncoordinated earth station, the band occupied by the station shall fall entirely within one of the following frequency ranges: 27.5−27.8185 GHz, 28.4545−28.9385 GHz or 29.4625−29.5 GHz in the case of GSO ESOMP the full frequency range of 27.5 to 30 GHz in the case of NGSO ESOMP, the band occupied by the station shall fall entirely within one of the following frequency ranges: 27.5−29.1 GHz or 29.5−30 GHz
8	Power control	necessary for the operation of the end-user station and an assembly of end-user station-satellite

”

12. Rows 18 to 25 in the table under point 7.2 of Annex 3 to the Decree are replaced by the following rows, and the following row 23/A is added to the table:

	(A)	*(B)*	*(C)*	*(D)*	*(E)*	*(F)*	*(G)*	*(H)*	*(I)*	*(J)*
	(Frequency band)	*(Radio service)*	*(Maximum bandwidth [kHz])*	*(Maximum transmit power [W])*			*(Transmission mode)*			*(Transmission mode (with IARU marking)*
				(Licence degree)						
				(Beginner)	*(CEPT Novice)*	*(CEPT)*	*(Beginner)*	*(CEPT Novice)*	*(CEPT)*	
18	5366–5366.5 kHz	Amateur	0.02			15 (EIRP)			A1A*, A1B, A1C, A1D, A2A*, A2B, A2C, A2D, A3C, F1A*, F1B, F1C, F1D, F2A*, F2B, F2C, F2D, F3C, F3E, F3F, J2A*, J2B, J2C, J2D, J2E, J3C, J3E, R3E	narrowband transmission modes

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
	(Frequency band)	(Radio service)	(Maximum bandwidth [kHz])	(Maximum transmit power [W])			(Transmission mode)			(Transmission mode (with IARU marking)
				(Licence degree)						
				(Beginner)	(CEPT Novice)	(CEPT)	(Beginner)	(CEPT Novice)	(CEPT)	
19	7000–7040 kHz	AMATEUR AMATEUR SATELLITE	0.2	100	200	1500	A1A			telegraph
20	7040–7050 kHz	AMATEUR AMATEUR SATELLITE	0.5	100	200	1500	A1A*, A1B, A1D, F1A*, F1B, F1D			digital mode, telegraph
21	7050–7060 kHz	AMATEUR AMATEUR SATELLITE	2.7	100	200	1500	A1A*, F1D, J3E	A1A*, A1B, A2A*, A2B, F1A*, F1B, F1D, J2A*, J2B, J2E, J3E	A1A*, A1B, A1D, A2A*, A2B, A2D, F1A*, F1B, F1D, F2A*, F2B, F2D, F3E, F3F, J2A*, J2B, J2D, J2E, J3E, R3E	digital mode, telephone, telegraph
22	7060–7100 kHz	AMATEUR AMATEUR SATELLITE	2.7	100	200	1500	A1A*, F1D, J3E	A1A*, A1B, A2A*, A2B, F1A*, F1B, F1D, J2A*, J2B, J2E, J3E	A1A*, A1B, A2A*, A2B, F1A*, F1B, F1D, F2A*, F2B, F3E, F3F, J2A*, J2B, J2E, J3E, R3E	digital mode, telephone, telegraph
23	7100–7175 kHz	AMATEUR	2.7		200	1500				
23/A	7175–7200 kHz	AMATEUR	2.7	100	200	1500	A1A*, F1D, J3E			
24	10 100–10 140 kHz	Amateur	0.2			1500			A1A*	telegraph
25	10 140–10 150 kHz	Amateur	0.5			1500			A1A*, A1B, A1D, F1A*, F1B, F1D	digital mode, telegraph

13. Rows 30 and 31 of the table under point 7.2 of Annex 3 to the Decree is replaced by the following row, and the following row 31/A is added to the table:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
	(Frequency band)	(Radio service)	(Maximum bandwidth [kHz])	(Maximum transmit power [W])			(Transmission mode)			(Transmission mode (with IARU marking)
				(Licence degree)						
				(Beginner)	(CEPT Novice)	(CEPT)	(Beginner)	(CEPT Novice)	(CEPT)	
30	14 112–14 250 kHz	AMATEUR AMATEUR SATELLITE	2.7	100	200	1500	A1A*, J3E		A1A*, A1B, A2A*, A2B, F1A*, F1B, F2A*, F2B, F3E, F3F, J2A*, J2B, J2E, J3E, R3E	telephone, telegraph
31	14 250–14 300 kHz	AMATEUR	2.7	100	200	1500				
31/A	14 300–14 350 kHz	AMATEUR	2.7		200	1500		A1A*, J3E		

14. Point 9.4.1 of Annex 3 to the Decree is replaced by the following:

"**9.4.1. Wideband data transmission applications with harmonised radio spectrum use**

	A	B	C	D	E
1	**Frequency band**	**Application**	**Document**	**Technical requirement**	**Additional requirement**
2	863–868 MHz	Wideband SRDs in data networks	2006/771/EC, (EU) 2022/180	Power: up to 25 mW ERP Bandwidth: > 600 kHz and ≤ 1 MHz Duty cycle: ≤ 10% for data network access points, ≤ 2.8% in other cases	Techniques to mitigate interference shall be used.
3	917.4–919.4 MHz	Wideband SRDs in data networks	(EU) 2018/1538, (EU) 2022/172	Power: up to 25 mW ERP Bandwidth: > 600 kHz and ≤ 1 MHz Duty cycle: ≤ 10% for data network access points, ≤ 2.8% in other cases	Individual licensing obligation. Techniques to mitigate interference shall be used. All nomadic/mobile devices within the data network shall be controlled by a master data network access point.
4	2400–2483.5 MHz	Wideband data transmission devices	2006/771/EC, (EU) 2022/180 MSZ EN 300 328	Power: up to 100 mW EIRP Power density: - max. 100 mW/100 kHz EIRP density when frequency hopping modulation is used, - max. 10 mW/MHz EIRP density when other types of modulation are used.	Techniques to mitigate interference shall be used.
5		WAS/RLAN systems			
6	57–71 GHz	Wideband data transmission devices	2006/771/EC, (EU) 2022/180 MSZ EN 302 567	Power: max. 40 dBm EIRP Power density: max. 23 dBm/MHz EIRP density	Fixed outdoor installation is not allowed. Techniques to mitigate interference shall be used.
7		Multiple-gigabit systems			
8			2006/771/EC, (EU) 2022/180	Power: max. 40 dBm EIRP Power density: max. 23 dBm/MHz EIRP density Transmit power at the antenna port: max. 27 dBm	Techniques to mitigate interference shall be used.

	A	B	C	D	E
1	**Frequency band**	**Application**	**Document**	**Technical requirement**	**Additional requirement**
9	57–59 GHz	Wideband data transmission devices	2006/771/EC, (EU) 2022/180 ITU-R F.1191-3 MSZ EN 302 217-2	Power: max. 55 dBm EIRP Power density: max. 38 dBm/MHz EIRP density Transmit antenna gain: min. 30 dBi	Individual licensing obligation. Nature of radio spectrum use: joint. The submission of a technical design shall not be required. Only fixed outdoor installation is allowed. Techniques to mitigate interference shall be used.
10		Fixed digital point-to-point systems			
11	59–64 GHz				Operation based on a simplified radio licence. Only fixed outdoor installation is allowed. Techniques to mitigate interference shall be used.
12	64–66 GHz				Individual licensing obligation. Nature of radio spectrum use: joint. The submission of a technical design shall not be required. Only fixed outdoor installation is allowed. Techniques to mitigate interference shall be used.
13	66–71 GHz		2006/771/EC, (EU) 2022/180 ITU-R F.1191-3		

”

15. Row 4 in the table under point 9.6.1 of Annex 3 to the Decree is replaced by the following:

	(A)	*(B)*	*(C)*	*(D)*	*(E)*
	(Frequency band)	*(Application)*	*(Document)*	*(Technical requirement)*	*(Additional requirement)*
4	5855–5865 MHz 5865–5875 MHz	ITS: vehicle-to-vehicle, vehicle-to-infrastructure and infrastructure-to-vehicle systems	2006/771/EC, (EU) 2022/180 ECC/REC/(08)01 MSZ EN 302 571	Total transmission power: up to 33 dBm EIRP Power density: max. 23 dBm/MHz EIRP density ATCP range: 30 dB to reduce total transmission power to 3 dBm Channel bandwidth: max. 10 MHz	Techniques to mitigate interference shall be used.

16. Rows 16–18 in the table under point 9.6.1 of Annex 3 to the Decree are replaced by the following:

	(A)	*(B)*	*(C)*	*(D)*	*(E)*
	(Frequency band)	*(Application)*	*(Document)*	*(Technical requirement)*	*(Additional requirement)*
16	76–77 GHz	Ground-based vehicular systems	2006/771/EC, (EU) 2022/180 MSZ EN 301 091-1 ETSI EN 301 091-2	Power: - max. 55 dBm peak EIRP - max. 50 dBm mean EIRP - max. 23.5 dBm mean EIRP for pulsed radars	Techniques to mitigate interference shall be used.
17		Infrastructure systems	2006/771/EC, (EU) 2022/180 MSZ EN 301 091-2		Radars shall be of a scanning nature in order to limit illumination time and ensure a minimum silent time to achieve coexistence with automotive radar systems. Techniques to mitigate interference shall be used.
18		Obstacle detection systems for rotorcraft use	2006/771/EC, (EU) 2022/180 ECC/DEC/(16)01 MSZ EN 303 360	Power: max. 30 dBm peak EIRP Power density: 3 dBm/MHz average power density Duty cycle: ≤ 56 %/s	

17. Field C:5 in the table under point 9.11.1 of Annex 3 to the Decree is replaced by the following:

	(C)
	(Document)
(5)	2006/771/EC, (EU) 2022/180 MSZ EN 300 422-1 MSZ EN 301 357

18. Point 9.11.2 of Annex 3 of the Decree is replaced by the following:

"**9.11.2 Radio microphone applications and wireless audio and multimedia streaming applications with non-harmonised radio spectrum use**

	A	B	C	D	E
1	**Frequency band**	**Application**	**Document**	**Technical requirement**	**Additional requirement**
2	0.1–9 kHz	Induction loop systems	ERC/REC 70-03, Annex 10 MSZ EN 303 348	Magnetic field strength: max. 120 dBμA/m, at a distance of 10 m	The size of the antenna shall be smaller than 1/20 of the wavelength.
3	3155–3400 kHz	ALD	RR 5.116 MSZ EN 300 422-1 MSZ EN 300 422-4	Power: up to 10 mW ERP	

	A	B	C	D	E
1	**Frequency band**	**Application**	**Document**	**Technical requirement**	**Additional requirement**
4	34.9–38.5 MHz	Radio microphones	ERC/REC 70-03, Annex 10 MSZ EN 300 422-1	Power: up to 10 mW ERP Channel spacing: max. 50 kHz	
5	174–216 MHz			Power: up to 50 mW ERP	
6	470–694 MHz				
7	823–826 MHz		ECC/DEC (09)03, Annex 3, point 3.1 ERC/REC 70-03, Annex 10 MSZ EN 300 422-1	Power: - max. 20 mW EIRP - max. 100 mW EIRP for body-worn devices	
8	826–832 MHz			Power: up to 100 mW EIRP	
9	863–865 MHz	ALD	ERC/REC 70-03, Annex 10 MSZ EN 300 422-1 MSZ EN 300 422-4 MSZ EN 301 357	Power: up to 10 mW ERP	
10	1350–1400 MHz	Radio microphones	ERC/REC 70-03, Annex 10 MSZ EN 300 422-1	Power: - max. 20 mW EIRP - max. 50 mW EIRP for body-worn devices or when SPP is used	
11	1492–1525 MHz			Power: up to 50 mW EIRP	Only indoor use is allowed. Individual licensing obligation.
12	1656.5–1660.5 MHz	Assistive listening devices	ERC/REC 70-03, Annex 10 ECC Report 270, Annex 4 MSZ EN 300 422-1 MSZ EN 300 422-4	Power density: max. 2 mW/600 kHz EIRP density	Only indoor use is allowed. Transmitters shall be subject to individual licensing obligation.
13	1785–1795 MHz	Radio microphones	ERC/REC 70-03, Annex 10 MSZ EN 300 422-1	Power: - max. 20 mW EIRP - max. 50 mW EIRP for body-worn devices or when SPP is used	
14	1795–1800 MHz	Radio microphones			
15		Baby guards			
16		Wireless audio and multimedia streaming systems with continuous data transmission	ERC/REC 70-03, Annex 10 MSZ EN 301 357		
17	1800–1804.8 MHz	Radio microphones	ERC/REC 70-03, Annex 10 MSZ EN 300 422-1		

”

19. Point 10.2.6.2 of Annex 3 to the Decree is replaced by the following:

“10.2.6.2 Radio spectrum management requirements for contact-based material sensing devices

	A	B	C	D	E
1	**Frequency range**	**Document**	**Maximum mean spectral power density (EIRP) [dBm/MHz]**	**Maximum peak power (EIRP) (in relation to 50 MHz) [dBm]**	**Additional requirement**
2	f ≤ 1.215 GHz	(EU) 2019/785 ECC/DEC/(07)01 MSZ EN 302 065-1 MSZ EN 302 065-4	–85	–45	Duty cycle: up to 10 % per second in the following frequency ranges: 2.69 < f ≤ 2.7 GHz, 3.4 < f ≤ 3.8 GHz, 4.8 < f ≤ 5 GHz. In order to protect the radio astronomy service, the total spectral power density is max. -65 dBm/MHz in the following frequency ranges: 2.69 < f ≤ 2.7 GHz, 4.8 < f ≤ 5 GHz. In order to protect radio services, the total spectral power density shall have the following values in the case of non-fixed installation: in the frequency range 2.5 < f ≤ 2.69 GHz, max. 75 dBm/MHz, in the frequency range 3.4 < f ≤ 3.8 GHz, max. 55 dBm/MHz, in the frequency range 4.8 < f ≤ 5 GHz, max. 65 dBm/MHz. Fixed outdoor installation is not allowed in the frequency range 6 < f ≤ 8.5 GHz or when LDC, DAA mitigation techniques are used. The LBT mitigation technique is defined in point 4.5.2.1., 4.5.2.2. and 4.5.2.3 of standard MSZ EN 302 065-4. The LDC mitigation technique and its limits are defined in points 4.5.3.1, 4.5.3.2 and 4.5.3.3 of standard MSZ EN 302 065-1. The DAA mitigation technique and its limits are defined in points 4.5.1.1., 4.5.1.2 and 4.5.1.3 of standard MSZ EN 302 065-1. Alternative mitigation techniques may be used instead of the indicated mitigation techniques.
3	1.215 < f ≤ 1.73 GHz		–85	–45	
4			–70 (when LBT is used)	–45 (when LBT is used)	
5	1.73 < f ≤ 2.2 GHz		–65	–25	
6	2.2 < f ≤ 2.5 GHz		–50	–10	
7	2.5 < f ≤ 2.69 GHz		–65	–25	
8			–50 (when LBT is used)	–10 (when LBT is used)	
9	2.69 < f ≤ 2.7 GHz		–55	–15	
10	2.7 < f ≤ 2.9 GHz		–70	–30	
11			–50 (when LBT is used)	–10 (when LBT is used)	
12	2.9 < f ≤ 3.1 GHz		–70	–30	
13			–50 (when LBT is used)	–10 (when LBT is used)	
14	3.1 < f ≤ 3.4 GHz		–70	–30	
15			–50 (when LBT is used)	–10 (when LBT is used)	
16			–41.3 (if LDC or DAA is used)	0 (if LDC or DAA is used)	
17	3.4 < f ≤ 3.8 GHz		–50	–10	
18			–41.3 (if LDC or DAA is used)	0 (if LDC or DAA is used)	
19	3.8 < f ≤ 4.8 GHz		–50	–10	
20			–41.3 (if LDC or DAA is used)	0 (if LDC or DAA is used)	
21	4.8 < f ≤ 5 GHz		–55	–15	
22	5 < f ≤ 5.25 GHz		–50	–10	

	A	B	C	D	E
1	**Frequency range**	**Document**	**Maximum mean spectral power density (EIRP) [dBm/MHz]**	**Maximum peak power (EIRP) (in relation to 50 MHz) [dBm]**	**Additional requirement**
23	5.25 < f ≤ 5.35 GHz		–50	–10	
24	5.35 < f ≤ 5.6 GHz		–50	–10	
25	5.6 < f ≤ 5.65 GHz		–50	–10	
26	5.65 < f ≤ 5.725 GHz		–50	–10	
27	5.725 < f ≤ 6 GHz		–50	–10	
28	6 < f ≤ 8.5 GHz		–41.3	0	
29	8.5 < f ≤ 9 GHz		–65	–25	
30			–41.3 (when DAA is used)	0 (when DAA is used)	
31	9 < f ≤ 10.6 GHz		–65	–25	
32	f > 10.6 GHz		–85	–45	

”

20. Column A of the table in point 10.3.1 of Annex 3 to the Decree is replaced by the following column:

	A
(1)	**Frequency range**
(2)	f ≤ 0.03 GHz
(3)	0.03 < f ≤ 0.23 GHz
(4)	0.23 < f ≤ 1 GHz
(5)	1 < f ≤ 1.6 GHz
(6)	1.6 < f ≤ 3.4 GHz
(7)	3.4 < f ≤ 5 GHz
(8)	5 < f ≤ 6 GHz
(9)	6 < f ≤ 12.4 GHz
(10)	12.4 < f ≤ 18 GHz
(11)	f > 18 GHz

21. Column A of the table in point 10.3.2.2 of Annex 3 to the Decree is replaced by the following column:

	A
(1)	**Frequency range**
(2)	f ≤ 1.6 GHz
(3)	1.6 < f ≤ 2.7 GHz
(4)	2.7 < f ≤ 3.1 GHz
(5)	3.1 < f ≤ 3.4 GHz
(6)	
(7)	3.4 < f ≤ 4.2 GHz
(8)	4.2 < f ≤ 4.4 GHz
(9)	4.4 < f ≤ 4.8 GHz
(10)	4.8 < f ≤ 10.6 GHz
(11)	f > 10.6 GHz

22. Column A of the table in point 10.3.2.3 of Annex 3 to the Decree is replaced by the following column:

	A
(1)	**Frequency range**
(2)	f ≤ 1.6 GHz
(3)	1.6 < f ≤ 2.7 GHz
(4)	2.7 < f ≤ 3.1 GHz
(5)	3.1 < f ≤ 3.4 GHz
(6)	
(7)	3.4 < f ≤ 4.8 GHz
(8)	4.8 < f ≤ 10.6 GHz
(9)	f > 10.6 GHz

23. Column A of the table in point 10.3.3.2 of Annex 3 to the Decree is replaced by the following column:

	A
(1)	**Frequency range**
(2)	f ≤ 1.6 GHz
(3)	1.6 < f ≤ 2.7 GHz
(4)	2.7 < f ≤ 3.1 GHz
(5)	3.1 < f ≤ 3.4 GHz
(6)	

	A
(1)	**Frequency range**
(7)	3.4 < f ≤ 4.2 GHz
(8)	4.2 < f ≤ 4.8 GHz
(9)	4.8 < f ≤ 10.6 GHz
(10)	f > 10.6 GHz

Annex 4 to NMHH Decree No 3/2024 of 29 January 2024 of the National Media and Infocommunications Authority

1. Rows 28 and 29 of the table under point 2 of Annex 4 to the Decree is replaced by the following row, and the following row 29/A is added to the table:

	(A)	*(B)*	*(C)*	*(D)*	*(E)*	*(F)*	*(G)*	*(H)*	*(I)*
	(Frequency band)	*(Document)*	*(Validity with neighbouring countries)*						
			(SVK)	*(AUT)*	*(SVN)*	*(HRV)*	*(SRB)*	*(ROU)*	*(UKR)*
28	876–880/921–925 MHz	Vienna (2003)	×	×	×				
29		GSM-R Agreement (2007)			×	×			
29/A		GSM-R Agreement (2022)				×	×		

2. Rows 49–61 in the table under point 2 of Annex 4 to the Decree are replaced by the following rows, and the following rows 55/A and 61/A are added to the table:

	(A)	*(B)*	*(C)*	*(D)*	*(E)*	*(F)*	*(G)*	*(H)*	*(I)*
	(Frequency band)	*(Document)*	*(Validity with neighbouring countries)*						
			(SVK)	*(AUT)*	*(SVN)*	*(HRV)*	*(SRB)*	*(ROU)*	*(UKR)*
49	1710–1739.9/1805–1834.9 MHz	Vienna (1994)-3	×	×	×	×			
50		Budapest (1999)	×					×	×
51		Szeged (2000)						×	
52		Pécs (2003)-1					×	×	
53		Vienna (1994)-3 amendment (2004)				×			
54		Budapest (2010)							×
55		Budapest (2014)-3	×	×	×	×	×	×	
55/A		GSM 1800 Agreement (2018)				×	×		
56	1739.9–1785/1834.9–1880 MHz	Vienna (1994)-3	×	×	×	×			
57		Budapest (1999)	×					×	×
58		Szeged (2000)						×	
59		Vienna (1994)-3 amendment (2004)				×			
60		Budapest (2010)							×
61		Budapest (2014)-3	×	×	×	×	×	×	
61/A		GSM 1800 Agreement (2018)				×	×		

Annex 5 to NMHH Decree No 3/2024 of 29 January 2024 of the National Media and Infocommunications Authority

Point 1a in Annex 6 to the Decree is replaced by the following:

“1a. Outside the borders of Hungary, radio equipment which is used in the maritime mobile service and the maritime mobile-satellite service and operates in the 156–162.05 MHz band shall be designed in such a way that:

(a) it operates properly in a marine environment;

(b) in the transitional period of the introduction of VDES (until 31 December 2024), in port operation services and in ship movement services, it ensures clear and reliable communication in the channels and modes appropriate for the shipping route, either via analogue speech transmission or digital communications links;

(c) after the end of the transition period, channels designed for VDES and ASM in accordance with the table in point 4.6.1 of Annex 3 shall be used exclusively for that purpose.”

Annex 6 to NMHH Decree No 3/2024 of 29 January 2024 of the National Media and Infocommunications Authority

1. The following row 1/A is added to the table in Annex 7 to the Decree:

	(A)	*(B)*
	(Acronym, abbreviation)	*(Meaning)*
1/A	AAS	Active Antenna System Aktív antennarendszerű

2. The following row 11/A is added to the table in Annex 7 to the Decree:

	(A)	*(B)*
	(Acronym, abbreviation)	*(Meaning)*
11/A	ASM	Application Specific Message Alkalmazásspecifikus üzenet

3. The following row 130/A is added to the table in Annex 7 to the Decree:

	(A)	*(B)*
	(Acronym, abbreviation)	*(Meaning)*
130/A	non-AAS	Non-Active Antenna System Nem aktív antennarendszerű

4. Row 131/C of the table in Annex 7 to the Decree is replaced by the following row, and the following row 131/D is added to the table:

	(A)	*(B)*
	(Acronym, abbreviation)	*(Meaning)*
131/C	NR 1800	NR in the 1800 MHz band 1800 MHz-es sávú NR
131/D	NR-IoT	NR-based IoT NR alapú IoT

5. The following row 153/A is added to the table in Annex 7 to the Decree:

	(A)	*(B)*
	(Acronym, abbreviation)	*(Meaning)*
153/A	Rev.WRC-19	Revised by WRC-19 A WRC-19 által módosított

Annex 7 to NMHH Decree No 3/2024 of 29 January 2024 of the National Media and Infocommunications Authority

1. Row 27/A of the table under point 1.4 of Annex 8 to the Decree is replaced by the following row:

	(A)	*(B)*
	(Reference)	*(Title)*
27/A	M.2010-2	Characteristics of a digital system, referred to as navigational data for broadcasting maritime safety and security related information from shore-to-ship in the 500 kHz band Az 500 kHz-es sávban tengeri vészhelyzettel és biztonsággal kapcsolatos információk part–hajó irányú sugárzására szolgáló, Navigációs adatok nevű digitális rendszer jellemzői

2. The following rows 69 and 70 are added to the table under point 2.3 of Annex 8 to the Decree:

	(A)	*(B)*
	(Reference)	*(Title)*
69	(EU) 2022/2307	Commission Implementing Decision (EU) 2022/2307 of 23 November 2022 amending Implementing Decision (EU) 2022/179 as regards designating and making available the 5 150-5 250 MHz, 5 250-5 350 MHz and 5 470-5 725 MHz frequency bands in accordance with the technical conditions set out in the Annex
70	(EU) 2022/2324	Commission Implementing Decision (EU) 2022/2324 of 23 November 2022 amending Decision 2008/294/EC, to include additional access technologies and measures for the operation of mobile communications services on aircraft (MCA services) in the Union

3. Point 3.2 of Annex 8 to the Decree is replaced by the following:

"**3.2 ERC and ECC decisions**

	A	B
1	Reference	Title
2	ERC/DEC/(94)01	ERC Decision of 24th October 1994 on the frequency bands to be designated for the coordinated introduction of the GSM digital pan-European communications system Az ERC 1994. október 24-i határozata a GSM digitális páneurópai hírközlő rendszer összehangolt bevezetéséhez kijelölendő frekvenciasávokról
3	ERC/DEC/(94)03	ERC Decision of 24th October 1994 on the frequency band to be designated for the coordinated introduction of the Digital European Cordless Telecommunications system Az ERC 1994. október 24-i határozata a digitális európai zsinórnélküli távközlő rendszer összehangolt bevezetéséhez kijelölendő frekvenciasávról
4	ERC/DEC/(95)03	ERC Decision of 1 December 1995 on the frequency bands to be designated for the introduction of DCS 1800 Az ERC 1995. december 1-jei határozata a DCS 1800 bevezetéséhez kijelölendő frekvenciasávokról
5	ERC/DEC/(96)06	ERC Decision of 7 March 1996 on the withdrawal of the ERC Decision (93)01 "Decision on the frequency bands to be designated for the co-ordinated introduction of Digital Short-Range Radio (DSRR)" Az ERC 1996. március 7-i határozata a „Határozat a digitális kis hatókörzetű rádió (DSRR) összehangolt bevezetéséhez kijelölendő frekvenciasávokról” című (93)01 ERC-határozat visszavonásáról

	A	B
1	Reference	Title
6	ERC/DEC/(97)02	ERC Decision of 21 March 1997 on the extended frequency bands to be used for the GSM Digital Pan-European Communications System Az ERC 1997. március 21-i határozata a GSM digitális páneurópai hírközlő rendszer által használandó kiterjesztett frekvenciasávokról
7	ERC/DEC/(98)22 *(5 November 2021)*	Exemption from individual licensing and free circulation and use of DECT equipment A DECT berendezések egyedi engedélyezés alóli mentesítése, valamint szabad mozgása és használata
8	ERC/DEC/(99)05	ERC Decision of 10 March 1999 on Free Circulation, Use and Exemption from Individual Licensing of Mobile Earth Stations of S-PCS<1GHz systems Az ERC 1999. március 10-i határozata az S-PCS<1GHz rendszerek mozgó földi állomásainak szabad mozgásáról, használatáról és egyedi engedélyezés alóli mentesítéséről
9	ERC/DEC/(99)06 *(10 March 2023)*	ERC Decision of 10 March 1999 on the harmonised introduction of satellite personal communication systems operating in the bands below 1 GHz (S-PCS<1GHz) Az ERC 1999. március 10-i határozata az 1 GHz alatti sávokban működő műholdas személyi távközlési rendszerek (S-PCS<1GHz) harmonizált bevezetéséről
10	ERC/DEC/(99)16	ERC Decision of 1 June 1999 on the withdrawal of the ERC Decision (96)05 “Decision on the harmonised frequency band to be designated for the introduction of the Multipoint Video Distribution Systems (MVDS)” Az ERC 1999. június 1-jei határozata a „Határozat a videoműsor-elosztó rendszerek (MVDS) bevezetéséhez kijelölendő harmonizált frekvenciasávról” című (96)05 ERC-határozat visszavonásáról
11	ERC/DEC/(99)24	ERC Decision of 29 November 1999 on the withdrawal of the ERC Decision (96)03 “Decision on the harmonised frequency bands to be designated for the introduction of High Performance Radio Local Area Networks (HIPERLANs)” Az ERC 1999. november 29-i határozata a „Határozat a nagysebességű rádiós helyi hálózatok (HIPERLAN-ok) bevezetéséhez kijelölendő harmonizált frekvenciasávokról” című (96)03 ERC-határozat visszavonásáról
12	ERC/DEC/(99)26	ERC Decision of 29 November 1999 on Exemption from Individual Licensing of Receive Only Earth Stations (ROES) Az ERC 1999. november 29-i határozata a csak vételre szolgáló földi állomások (ROES) egyedi engedélyezés alóli mentesítéséről
13	ERC/DEC/(00)02 *(4 March 2022)*	Use of the band 37.5-39.5 GHz by the fixed service and by earth stations of the fixed-satellite service (space-to-Earth) and use of the band 39.5-40.5 GHz by earth stations of the fixed-satellite service and the mobile-satellite service (space-to-Earth) A 37,5-39,5 GHz sávnak az állandóhelyű szolgálat, valamint a műholdas állandóhelyű szolgálat (űr–Föld irány) földi állomásai által történő használata és a 39,5-40,5 GHz sávnak a műholdas állandóhelyű szolgálat és a műholdas mozgószolgálat földi állomásai által történő használata
14	ERC/DEC/(00)07 *(4 March 2016)*	The shared use of the band 17.7-19.7 GHz by the fixed service and earth stations of the fixed-satellite service (space-to-Earth) A 17,7-19,7 GHz sávnak az állandóhelyű szolgálat, valamint a műholdas állandóhelyű szolgálat (űr–Föld irány) földi állomásai által történő megosztott használata

	A	B
1	Reference	Title
15	ERC/DEC/(00)08	ERC Decision of 19 October 2000 on the use of the band 10.7 - 12.5 GHz by the fixed service and Earth stations of the broadcasting-satellite and fixed-satellite service (space-to-Earth) Az ERC 2000. október 19-i határozata a 10,7-12,5 GHz sávnak az állandóhelyű szolgálat, valamint a műholdas műsorszóró és a műholdas állandóhelyű szolgálat (űr–Föld irány) földi állomásai által történő használatáról
16	ERC/DEC/(01)11 *(10 June 2022)*	Harmonised frequencies, technical characteristics and exemption from individual licensing of short range devices used for Flying Model control operating in the frequency band 34.995 - 35.225 MHz A 34,995-35,225 MHz frekvenciasávban működő – légimodell-irányítás céljára használt – kis hatótávolságú eszközök harmonizált frekvenciái, műszaki jellemzői, valamint egyedi engedélyezés alóli mentesítése
17	ERC/DEC/(01)12 *(10 June 2022)*	Harmonised frequencies, technical characteristics and exemption from individual licensing of short range devices used for Model control operating on the frequencies 40.665, 40.675, 40.685 and 40.695 MHz A 40,665, 40,675, 40,685 és a 40,695 MHz frekvencián működő – modellirányítás céljára használt – kis hatótávolságú eszközök harmonizált frekvenciái, műszaki jellemzői, valamint egyedi engedélyezés alóli mentesítése
18	ERC/DEC/(01)17 *(10 June 2022)*	Harmonised frequencies, technical characteristics and exemption from individual licensing of Ultra Low Power Active Medical Implant (ULP-AMI) communication systems operating in the frequency band 401 - 406 MHz on a secondary basis A 401-406 MHz frekvenciasávban másodlagos jelleggel működő nagyon kis teljesítményű aktív orvosi implantátum (ULP-AMI) hírközlő rendszerek harmonizált frekvenciái, műszaki jellemzői, valamint egyedi engedélyezés alóli mentesítése
19	ERC/DEC/(01)19	ERC Decision of 12 March 2001 on the harmonised frequency bands to be designated for the Direct Mode Operation (DMO) of the Digital Land Mobile Systems for the Emergency Services Az ERC 2001. március 12-i határozata a készenléti szolgálatok digitális földi mozgó rendszere közvetlen üzemmódú működése (DMO) részére kijelölendő harmonizált frekvenciasávról
20	ECC/DEC/(02)02	ECC Decision of 15 March 2002 on the withdrawal of the ERC Decision (92)02 “Decision on the frequency bands to be designated for the co-ordinated introduction of Road Transport Telematic Systems” Az ECC 2002. március 15-i határozata a „Határozat a közúti közlekedés telematikai rendszereinek összehangolt bevezetéséhez kijelölendő frekvenciasávokról” című (92)02 ERC-határozat visszavonásáról
21	ECC/DEC/(02)04	ECC Decision of 15 March 2002 on the use of the band 40.5 - 42.5 GHz by terrestrial (fixed service/broadcasting service) systems and uncoordinated Earth stations in the fixed satellite service and broadcasting satellite service (space-to-Earth) Az ECC 2002. március 15-i határozata a 40,5-42,5 GHz sávnak a földfelszíni (állandóhelyű szolgálati/műsorszóró szolgálati) rendszerek, valamint a műholdas állandóhelyű szolgálat és a műholdas műsorszóró szolgálat (űr–Föld irány) nem koordinált földi állomásai által történő használatáról
22	ECC/DEC/(03)03	ECC Decision of 17 October 2003 on the withdrawal of the ERC Decision (97)08 „Decision on management of the Schiever Plan for the Terrestrial Flight Telecommunications System” Az ECC 2003. október 17-i határozata a „Határozat a repülőgépes földfelszíni távközlő rendszerre vonatkozó Schiever Terv kezeléséről” című (97)08 ERC-határozat visszavonásáról

	A	B
1	Reference	Title
23	ECC/DEC/(03)04 *(8 March 2019)*	Exemption from Individual Licensing of Very Small Aperture Terminals (VSAT) operating in the frequency bands 14.25-14.50 GHz Earth-to-space and 10.70-11.70 GHz space-to-Earth A 14,25-14,50 GHz (Föld–űr irány) és a 10,70-11,70 GHz (űr–Föld irány) frekvenciasávban működő kis apertúrájú végfelhasználói állomások (VSAT) egyedi engedélyezés alóli mentesítése
24	ECC/DEC/(03)05 *(3 July 2015)*	The publication of national tables of frequency allocations and utilisations (NTFAs) A frekvenciasávok nemzeti felosztási és használati táblázatainak (NTFA-k) közzététele
25	ECC/DEC/(03)06	ECC Decision of 17 October 2003 on the withdrawal of the ERC Decision (97)01 “Decision on the publication of national tables of frequency allocations” Az ECC 2003. október 17-i határozata a „Határozat a frekvenciasávok nemzeti felosztási táblázatainak közzétételéről” című (97)01 ERC-határozat visszavonásáról
26	ECC/DEC/(04)03 *(6 March 2015)*	The frequency band 77-81 GHz to be designated for the use of Automotive Short Range Radars A kis hatótávolságú gépkocsiradarok részére kijelölendő 77-81 GHz frekvenciasáv
27	ECC/DEC/(04)05	ECC Decision of 19 March 2004 on the withdrawal of the ERC decisions (95)02, (96)07, (96)08, (96)09, (96)10, (96)11, (96)12, (96)13, (96)14, (96)15, (96)16, (96)17, (96)18, (96)19, (96)20, (98)05, (98)06, (98)07, (98)08, (98)09, (98)28, (98)30, (99)04, (99)07, (99)08, (99)09, (99)10, (99)11, (99)12, (99)13 and (99)14 on the adoption of approval regulations for various types of radio equipment Az ECC 2004. március 19-i határozata a különböző típusú rádióberendezések jóváhagyási szabályainak elfogadásáról szóló (95)02, (96)07, (96)08, (96)09, (96)10, (96)11, (96)12, (96)13, (96)14, (96)15, (96)16, (96)17, (96)18, (96)19, (96)20, (98)05, (98)06, (98)07, (98)08, (98)09, (98)28, (98)30, (99)04, (99)07, (99)08, (99)09, (99)10, (99)11, (99)12, (99)13 és (99)14 ERC-határozat visszavonásáról
28	ECC/DEC/(04)08 *(1 July 2022)*	On the harmonised use of the 5 GHz frequency bands for Wireless Access Systems including Radio Local Area Networks (WAS/RLAN) Az 5 GHz-es frekvenciasávok vezetéknélküli hozzáférési rendszerek, többek között rádiós helyi hálózatok (WAS/RLAN) céljára történő harmonizált használatáról
29	ECC/DEC/(04)09 *(26 June 2009)*	ECC Decision of 12 November 2004 on the designation of the bands 1518 - 1525 MHz and 1670 - 1675 MHz for systems in the Mobile-Satellite Service Az ECC 2004. november 12-i határozata az 1518-1525 MHz és az 1670-1675 MHz sávnak a műholdas mozgószolgálati rendszerek részére történő kijelöléséről
30	ECC/DEC/(04)10 *(5 March 2021)*	The frequency bands to be designated for the temporary introduction of Automotive Short Range Radars (SRR) A kis hatótávolságú gépkocsiradarok (SRR) ideiglenes bevezetéséhez kijelölendő frekvenciasávok
31	ECC/DEC/(05)01 (8 March 2019)	The use of the band 27.5-29.5 GHz by the Fixed Service and uncoordinated Earth stations of the Fixed-Satellite Service (Earth-to-space) A 27,5-29,5 GHz sávnak az állandóhelyű szolgálat, valamint a műholdas állandóhelyű szolgálat (Föld–űr irány) nem koordinált földi állomásai által történő használata
32	ECC/DEC/(05)02 *(5 July 2019)*	A harmonised frequency plan for the use of the band 169.4-169.8125 MHz A 169,4-169,8125 MHz sáv használatára vonatkozó harmonizált frekvenciaterv

	A	B
1	Reference	Title
33	ECC/DEC/(05)03	ECC Decision of 18 March 2005 on the withdrawal of the ERC/DEC(94)02 “Decision on the frequency band to be designated for the coordinated introduction of the European Radio Messaging System (ERMES)” Az ECC 2005. március 18-i határozata a „Határozat az európai rádiós személyhívó rendszer (ERMES) összehangolt bevezetéséhez kijelölendő frekvenciasávról” című ERC/DEC/(94)02 Határozat visszavonásáról
34	ECC/DEC/(05)05 *(4 March 2022)*	Harmonised utilization of spectrum for Mobile/Fixed Communications Networks (MFCN) operating within the band 2500-2690 MHz A 2500-2690 MHz sávban működő mozgó/állandóhelyű hírközlő hálózatok (MFCN) harmonizált spektrumhasználata
35	ECC/DEC/(05)08 *(18 November 2022)*	The availability of frequency bands for high density applications in the Fixed-Satellite Service (space-to-Earth and Earth-to-space) Frekvenciasávok hozzáférhetősége a műholdas állandóhelyű szolgálat (űr–Föld irány és Föld–űr irány) nagysűrűségű alkalmazásai részére
36	ECC/DEC/(05)09 *(8 March 2019)*	The Free Circulation and Use of Earth Stations on Board Vessels operating in Fixed Satellite Service Networks in the Frequency Bands 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) Az 5925-6425 MHz (Föld–űr irány) és a 3700-4200 MHz (űr–Föld irány) frekvenciasávban a műholdas állandóhelyű szolgálat hálózataiban működő, hajók fedélzetén elhelyezett földi állomások szabad mozgása és használata
37	ECC/DEC/(05)10 *(8 March 2019)*	The free circulation and use of Earth Stations on board Vessels operating in fixed satellite service networks in the frequency bands 14-14.5 GHz A 14-14,5 GHz frekvenciasávban a műholdas állandóhelyű szolgálat hálózataiban működő, hajók fedélzetén elhelyezett földi állomások szabad mozgása és használata
38	ECC/DEC/(05)11 *(18 November 2022)*	The free circulation and use of Aircraft Earth Stations (AES) in the frequency bands 14.0-14.5 GHz (Earth-to-space), 10.7-11.7 GHz (space-to-Earth) and 12.5-12.75 GHz (space-to-Earth) A 14,0-14,5 GHz (Föld–űr irány), 10,7-11,7 GHz (űr–Föld irány) és a 12,5-12,75 GHz (űr–Föld irány) frekvenciasávban üzemelő légijármű földi állomások (AES) szabad mozgása és használata
39	ECC/DEC/(06)01 *(8 March 2019)*	The harmonised utilisation of the bands 1920-1980 MHz and 2110-2170 MHz for mobile/fixed communications networks (MFCN) including terrestrial IMT systems Az 1920-1980 MHz és a 2110-2170 MHz sáv mozgó/állandóhelyű hírközlő hálózatok (MFCN) – beleértve a földfelszíni IMT rendszereket is – céljára történő harmonizált használata
40	ECC/DEC/(06)03 *(18 November 2022)*	Exemption from Individual Licensing of high e.i.r.p. satellite terminals (HEST) operating with geostationary satellites and in the frequency bands 10.70-12.75 GHz or 19.70-20.20 GHz space-to-Earth and 14.00-14.25 GHz or 29.50-30.00 GHz Earth-to-space A 10,70-12,75 GHz vagy 19,70-20,20 GHz (űr–Föld irány) és a 14,00-14,25 GHz vagy 29,50-30,00 GHz (Föld–űr irány) frekvenciasávban geostacionárius műholdakkal működő nagy EIRP-jű műholdas végfelhasználói állomások (HEST) egyedi engedélyezés alóli mentesítése
41	ECC/DEC/(06)04 *(8 March 2019)*	The harmonised use, exemption from individual licensing and free circulation of devices using Ultra-Wideband (UWB) technology in bands below 10.6 GHz A 10,6 GHz alatti sávokban ultraszéles sávú (UWB) technológiát használó eszközök harmonizált használata, egyedi engedélyezés alóli mentesítése és szabad mozgása

	A	B
1	Reference	Title
42	ECC/DEC/(06)05	ECC Decision of 7 July 2006 on the harmonised frequency bands to be designated for Air–Ground–Air operation (AGA) of the Digital Land Mobile Systems for the Emergency Services Az ECC 2006. július 7-i határozata a készenléti szolgálatok digitális földi mozgó rendszere levegő–föld–levegő műveletei (AGA) részére kijelölendő harmonizált frekvenciasávról
43	ECC/DEC/(06)07 *(18 November 2022)*	The harmonised use of airborne GSM, LTE and 5G NR non-AAS systems in the frequency bands 1710-1785 MHz and 1805-1880 MHz, and airborne UMTS systems in the frequency bands 1920-1980 MHz and 2110-2170 MHz Az 1710-1785 MHz és az 1805-1880 MHz frekvenciasávban működő légijármű-fedélzeti GSM, LTE és 5G NR nem-AAS rendszerek, valamint az 1920-1980 MHz és a 2110-2170 MHz frekvenciasávban működő légijármű-fedélzeti UMTS rendszerek harmonizált használata
44	ECC/DEC/(06)08 *(26 October 2018)*	The conditions for use of the radio spectrum by Ground- and Wall-Probing Radar (GPR/WPR) imaging systems A rádióspektrum talaj- és falvizsgáló képalkotó radar (GPR/WPR) rendszerek általi használatának feltételei
45	ECC/DEC/(06)09 *(5 September 2007)*	ECC Decision of 1 December 2006 on the designation of the bands 1980-2010 MHz and 2170-2200 MHz for use by systems in the Mobile-Satellite Service including those supplemented by a Complementary Ground Component (CGC) Az ECC 2006. december 1-jei határozata az 1980-2010 MHz és a 2170-2200 MHz sávnak a műholdas mozgószolgálat rendszerei – beleértve a kiegészítő földfelszíni komponenssel (CGC) kiegészítetteket is – általi használata céljára történő kijelöléséről
46	ECC/DEC/(06)10 *(4 March 2022)*	Transition of terrestrial service operations from the Bands 1980-2010 MHz and 2170-2200 MHz in order to facilitate the Harmonised Introduction and Development of Systems in the mobile-satellite service including those supplemented by a Complementary Ground Component A földfelszíni szolgálati üzemelések átállása az 1980-2010 MHz és a 2170-2200 MHz sávból a műholdas mozgószolgálati rendszerek – beleértve a kiegészítő földfelszíni komponenssel kiegészítetteket is – harmonizált bevezetésének és fejlesztésének elősegítése érdekében
47	ECC/DEC/(06)13 *(4 March 2022)*	Harmonised technical conditions for mobile/fixed communications networks (MFCN) including terrestrial IMT systems, other than GSM and EC-GSM IoT, in the bands 880-915/925-960 MHz and 1710-1785/1805-1880 MHz A 880–915/925–960 MHz és az 1710–1785/1805–1880 MHz sávban működő mozgó/állandóhelyű hírközlő hálózatok (MFCN) – beleértve a földfelszíni IMT rendszereket, de kivéve a GSM-et és az EC-GSM IoT-t – harmonizált műszaki feltételei
48	ECC/DEC/(07)01 *(1 July 2022)*	The harmonised use, exemption from individual licensing and free circulation of Material Sensing Devices using Ultra-Wideband (UWB) technology Ultraszéles sávú (UWB) technológiát használó anyagérzékelő eszközök harmonizált használata, egyedi engedélyezés alóli mentesítése és szabad mozgása
49	ECC/DEC/(08)01 *(18 November 2022)*	The harmonised use of Safety-Related Intelligent Transport Systems (ITS) in the 5875-5935 MHz frequency band A biztonsággal összefüggő intelligens közlekedési rendszerek (ITS) harmonizált használata az 5875-5935 MHz frekvenciasávban

	A	B
1	Reference	Title
50	ECC/DEC/(08)02	ECC Decision of 14 March 2008 on the withdrawal of ERC/DEC(97)06, ERC/DEC(01)01, ERC/DEC(01)05, ERC/DEC(01)06, ERC/DEC(01)14 and ERC/DEC(01)21 Az ECC 2008. március 14-i határozata az ERC/DEC/(97)06, ERC/DEC/(01)01, ERC/DEC/(01)05, ERC/DEC/(01)06, ERC/DEC/(01)14 és az ERC/DEC/(01)21 Határozat visszavonásáról
51	ECC/DEC/(08)04	ECC Decision of 14 March 2008 on the withdrawal of ERC/DEC/(01)04, ERC/DEC/(01)09, ERC/DEC/(01)13, ERC/DEC/(01)15 and ERC/DEC(01)18 Az ECC 2008. március 14-i határozata az ERC/DEC/(01)04, ERC/DEC/(01)09, ERC/DEC/(01)13, ERC/DEC/(01)15 és az ERC/DEC(01)18 Határozat visszavonásáról
52	ECC/DEC/(08)05 *(8 March 2019)*	The harmonisation of frequency bands for the implementation of digital Public Protection and Disaster Relief (PPDR) narrow band and wide band radio applications in bands within the 380-470 MHz range Keskenysávú és szélesebb sávú digitális közrendvédelmi és katasztrófavédelmi (PPDR) rádióalkalmazások harmonizált frekvenciasávjainak megvalósítása a 380-470 MHz tartományban
53	ECC/DEC/(08)06	ECC Decision of 27 June 2008 on the withdrawal of ERC Decisions ERC/DEC/(00)03, ERC/DEC/(00)04, ERC/DEC/(00)05 Az ECC 2008. június 27-i határozata az ERC/DEC/(00)03, ERC/DEC/(00)04 és az ERC/DEC/(00)05 ERC-határozat visszavonásáról
54	ECC/DEC/(08)07	ECC Decision of 27 June 2008 on the withdrawal of ERC Decisions ERC/DEC/(98)03, ERC/DEC/(98)17, ERC/DEC/(98)18, ERC/DEC/(98)24 Az ECC 2008. június 27-i határozata az ERC/DEC/(98)03, ERC/DEC/(98)17, ERC/DEC/(98)18 és az ERC/DEC/(98)24 ERC-határozat visszavonásáról
55	ECC/DEC/(08)08 *(30 June 2017)*	The harmonised use of GSM systems in the 900 MHz and 1800 MHz bands, UMTS systems in the 2 GHz band and LTE systems in the 1800 MHz and 2.6 GHz bands on board vessels A 900 MHz-es és az 1800 MHz-es sávban működő GSM rendszerek, a 2 GHz-es sávban működő UMTS rendszerek és az 1800 MHz-es és a 2,6 GHz-es sávban működő LTE rendszerek hajók fedélzetén történő harmonizált használata
56	ECC/DEC/(09)01 *(5 July 2019)*	Harmonised use of the 63.72-65.88 GHz frequency band for Intelligent Transport Systems (ITS) A 63,72-65,88 GHz frekvenciasáv intelligens közlekedési rendszerek (ITS) céljára történő harmonizált használata
57	ECC/DEC/(09)02 *(2 November 2012)*	The harmonisation of the bands 1610-1626.5 MHz and 2483.5-2500 MHz for use by systems in the Mobile-Satellite Service A műholdas mozgószolgálati rendszerek által használt 1610-1626,5 MHz és 2483,5-2500 MHz sáv harmonizálása
58	ECC/DEC/(09)03	ECC Decision of 30 October 2009 on harmonised conditions for mobile/fixed communications networks (MFCN) operating in the band 790 - 862 MHz Az ECC 2009. október 30-i határozata a 790-862 MHz sávban működő mozgó/állandóhelyű hírközlő hálózatok (MFCN) harmonizált feltételeiről
59	ECC/DEC/(09)04	ECC Decision of 30 October 2009 on exemption from individual licensing and the free circulation and use of transmit-only mobile satellite terminals operating in the Mobile-Satellite Service allocations in the 1613.8 - 1626.5 MHz band Az ECC 2009. október 30-i határozata az 1613,8-1626,5 MHz sávban a műholdas mozgószolgálati felosztás keretében működő, csak adásra szolgáló műholdas mozgó végfelhasználói állomások egyedi engedélyezés alóli mentesítéséről, valamint szabad mozgásáról és használatáról

	A	B
1	Reference	Title
60	ECC/DEC/(09)05	ECC Decision of 30 October 2009 on the withdrawal of ERC/ECC Decisions ERC/DEC/(96)04, ECC/DEC/(04)01 and ECC/DEC/(04)02 Az ECC 2009. október 30-i határozata az ERC/DEC/(96)04, ECC/DEC/(04)01 és az ECC/DEC/(04)02 ERC/ECC-határozat visszavonásáról
61	ECC/DEC/(10)01	ECC Decision of 12 November 2010 on sharing conditions in the 10.6-10.68 GHz band between the fixed service, mobile service and Earth exploration satellite service (passive) Az ECC 2010. november 12-i határozata az állandóhelyű szolgálat, a mozgószolgálat és a műholdas Föld-kutató szolgálat (passzív) közötti sávmegosztás feltételeiről a 10,6-10,68 GHz sávban
62	ECC/DEC/(10)02	ECC Decision of 12 November 2010 on compatibility between the fixed satellite service in the 30-31 GHz band and the Earth exploration satellite service (passive) in the 31.3-31.5 GHz band Az ECC 2010. november 12-i határozata a 30-31 GHz sávban működő műholdas állandóhelyű szolgálat és a 31,3-31,5 GHz sávban működő műholdas Föld-kutató szolgálat (passzív) közötti összeférhetőségről
63	ECC/DEC/(11)01 *(3 March 2017)*	The Protection of the Earth Exploration-Satellite Service (passive) in the 1400-1427 MHz Band A műholdas Föld-kutató szolgálat (passzív) védelme az 1400-1427 MHz sávban
64	ECC/DEC/(11)02 *(5 July 2019)*	Industrial Level Probing Radars (LPR) operating in frequency bands 6-8.5 GHz, 24.05-26.5 GHz, 57-64 GHz and 75-85 GHz A 6-8,5 GHz, 24,05-26,5 GHz, 57-64 GHz és a 75-85 GHz frekvenciasávban működő ipari szintmérő radarok (LPR)
65	ECC/DEC/(11)03 *(17 June 2016)*	The harmonised use of frequencies for Citizens' Band (CB) radio equipment A polgári sávban működő (CB) rádióberendezések harmonizált frekvenciahasználata
66	ECC/DEC/(11)05	The withdrawal of ERC Decisions ERC/DEC/(01)02, ERC/DEC/(01)03, ERC/DEC/(01)07, ERC/DEC/(01)10, and ERC/DEC/(01)16 Az ERC/DEC/(01)02, ERC/DEC/(01)03, ERC/DEC/(01)07, ERC/DEC/(01)10 és az ERC/DEC/(01)16 ERC-határozat visszavonása
67	ECC/DEC/(11)06 *(26 October 2018)*	Harmonised frequency arrangements and least restrictive technical conditions (LRTC) for mobile/fixed communications networks (MFCN) operating in the band 3400-3800 MHz Harmonizált frekvenciaelrendezések és legkevésbé korlátozó műszaki feltételek (LRTC) a 3400-3800 MHz sávban működő mozgó/állandóhelyű hírközlő hálózatok (MFCN) részére
68	ECC/DEC/(12)01 *(4 March 2022)*	Exemption from individual licensing and free circulation and use of satellite mobile terminals operating under the control of networks in the range 1 to 3 GHz Az 1–3 GHz tartományban hálózatok vezérlése alatt működő műholdas mozgó végfelhasználói állomások egyedi engedélyezés alóli mentesítése, valamint szabad mozgása és használata
69	ECC/DEC/(12)03 *(6 March 2020)*	The harmonised conditions for UWB applications onboard aircraft Légijárművek fedélzetén működő UWB alkalmazások harmonizált feltételei
70	ECC/DEC/(13)01 *(2 July 2021)*	The harmonised use, free circulation and exemption from individual licensing of Earth Stations On Mobile Platforms (ESOMPs) within the frequency bands 17.3-20.2 GHz and 27.5-30.0 GHz A 17,3-20,2 GHz és a 27,5-30,0 GHz frekvenciasávban működő, mozgó hordozóra telepített földi állomások (ESOMP-ok) harmonizált használata, szabad mozgása és egyedi engedélyezés alóli mentesítése
71	ECC/DEC/(13)02	ECC Decision on the withdrawal of ECC Decision (03)02 ECC-határozat a (03)02 ECC-határozat visszavonásáról

	A	B
1	Reference	Title
72	ECC/DEC/(13)03 *(2 March 2018)*	The harmonised use of the frequency band 1452-1492 MHz for Mobile/Fixed Communications Networks Supplemental Downlink (MFCN SDL) Az 1452-1492 MHz frekvenciasávnak a mozgó/állandóhelyű hírközlő hálózatok kiegészítő lemenő irányú összeköttetései (MFCN SDL) céljára történő harmonizált használata
73	ECC/DEC/(14)01	ECC Decision on the withdrawal of ECC Decision (02)07 ECC-határozat a (02)07 ECC-határozat visszavonásáról
74	ECC/DEC/(14)02 *(10 March 2023)*	Harmonised technical and regulatory conditions for the use of the band 2300-2400 MHz for Mobile/Fixed Communications Networks (MFCN) A 2300-2400 MHz sávnak a mozgó/állandóhelyű hírközlő hálózatok (MFCN) általi használatára vonatkozó harmonizált műszaki és szabályozási feltételek
75	ECC/DEC/(15)01	Harmonised technical conditions for mobile/fixed communications networks (MFCN) in the band 694-790 MHz including a paired frequency arrangement (Frequency Division Duplex 2x30 MHz) and an optional unpaired frequency arrangement (Supplemental Downlink) A 694-790 MHz sávban működő mozgó/állandóhelyű hírközlő hálózatok (MFCN) harmonizált műszaki feltételei, beleértve egy párosított (2x30 MHz frekvenciaosztásos duplex) és egy választható párosítatlan (kiegészítő lemenő irányú összeköttetés célú) frekvenciaelrendezést
76	ECC/DEC/(15)04 *(20 November 2020)*	The harmonised use, free circulation and exemption from individual licensing of Land, Maritime and Aeronautical Earth Stations On Mobile Platforms (ESOMPs) operating with NGSO FSS satellite systems in the frequency ranges 17.3-20.2 GHz, 27.5-29.1 GHz and 29.5-30.0 GHz A 17,3–20,2 GHz, 27,5–29,1 GHz és a 29,5–30,0 GHz frekvenciatartományban NGSO FSS műholdas rendszerekkel működő, földi mozgó, tengeri mozgó és légi mozgó hordozóra telepített földi állomások (ESOMP-ok) harmonizált használata, szabad mozgása és egyedi engedélyezés alóli mentesítése
77	ECC/DEC/(15)05 *(2 March 2018)*	The harmonised frequency range 446.0-446.2 MHz, technical characteristics, exemption from individual licensing and free carriage and use of analogue and digital PMR 446 applications A 446,0-446,2 MHz harmonizált frekvenciatartomány, az analóg és digitális PMR 446 alkalmazások műszaki jellemzői, egyedi engedélyezés alóli mentesítése, valamint szabad mozgása és használata
78	ECC/DEC/(16)01 *(18 November 2016)*	The harmonised frequency band 76-77 GHz, technical characteristics, exemption from individual licensing and free carriage and use of obstacle detection radars for rotorcraft use A 76-77 GHz harmonizált frekvenciasáv, forgószárnyas légijárműveken használt akadályérzékelő radarok műszaki jellemzői, egyedi engedélyezés alóli mentesítése, valamint szabad mozgása és használata
79	ECC/DEC/(16)02 *(8 March 2019)*	Harmonised technical conditions and frequency bands for the implementation of Broadband Public Protection and Disaster Relief (BB-PPDR) systems Harmonizált műszaki feltételek és frekvenciasávok a szélessávú közrendvédelmi és katasztrófavédelmi (BB-PPDR) rendszerek megvalósítása részére
80	ECC/DEC/(16)03	ECC Decision on the withdrawal of ERC Decision (99)17 ECC-határozat a (99)17 ERC-határozat visszavonásáról

	A	B
1	Reference	Title
81	ECC/DEC/(17)01	ECC Decision on the withdrawal of ECC Decision (01)01 on phasing out analogue CT1 and CT1+ applications in the 900 MHz band and ECC Decision (01)02 on phasing out digital CT2 applications in the 900 MHz band ECC-határozat a 900 MHz-es sávú analóg CT1 és CT1+ alkalmazások kivonásáról szóló (01)01 ECC-határozat és a 900 MHz-es sávú digitális CT2 alkalmazások kivonásáról szóló (01)02 ECC-határozat visszavonásáról
82	ECC/DEC/(17)03	ECC Decision on the withdrawal of ERC/DEC/(98)15 “Exemption from Individual Licensing of Omnitracs terminals for the Euteltracs system” ECC-határozat az „Az Euteltracs rendszer Omnitracs végberendezéseinek az egyedi engedélyezés alóli mentesítéséről” című ERC/DEC/(98)15 Határozat visszavonásáról
83	ECC/DEC/(17)04 *(18 November 2022)*	The harmonised use and exemption from individual licensing of fixed earth stations operating with NGSO FSS satellite systems in the frequency bands 10.7-12.75 GHz and 14.0-14.5 GHz A 10,7-12,75 GHz és a 14,0-14,5 GHz frekvenciasávban NGSO FSS műholdas rendszerekkel működő, állandóhelyű földi állomások harmonizált használata és egyedi engedélyezés alóli mentesítése
84	ECC/DEC/(17)06 *(2 March 2018)*	The harmonised use of the frequency bands 1427-1452 MHz and 1492-1518 MHz for Mobile/Fixed Communications Networks Supplemental Downlink (MFCN SDL) Az 1427-1452 MHz és az 1492-1518 MHz frekvenciasávnak a mozgó/állandóhelyű hírközlő hálózatok kiegészítő lemenő irányú összeköttetései (MFCN SDL) céljára történő harmonizált használata
85	ECC/DEC/(18)02	ECC Decision on the withdrawal of ECC Decision (07)02 on availability of frequency bands between 3400-3800 MHz for the harmonised implementation of Broadband Wireless Access systems (BWA) ECC-határozat a 3400-3800 MHz közötti frekvenciasávoknak a szélessávú vezetéknélküli hozzáférési rendszerek (BWA) harmonizált megvalósítása céljára történő hozzáférhetőségéről szóló (07)02 ECC-határozat visszavonásáról
86	ECC/DEC/(18)03	ECC Decision on the withdrawal of ERC Decision (01)08 on harmonised frequencies, technical characteristics and exemption from individual licensing of Short Range Devices used for Movement Detection and Alert operating in the frequency band 2400 - 2483.5 MHz ECC-határozat a 2400-2483,5 MHz frekvenciasávban működő – mozgásérzékelők és riasztók céljára használt – kis hatótávolságú eszközök harmonizált frekvenciáiról, műszaki jellemzőiről, valamint egyedi engedélyezés alóli mentesítéséről szóló (01)08 ERC-határozat visszavonásáról
87	ECC/DEC/(18)04 *(18 November 2022)*	The harmonised use, exemption from individual licensing and free circulation and use of land based Earth Stations In-Motion (ESIM) operating with GSO FSS satellite systems in the frequency bands 10.7-12.75 GHz and 14.0-14.5 GHz A 10,7-12,75 GHz és a 14,0-14,5 GHz frekvenciasávban GSO FSS műholdas rendszerekkel működő, földön mozgó járművön elhelyezett mozgásban lévő földi állomások (ESIM) harmonizált használata, egyedi engedélyezés alóli mentesítése, valamint szabad mozgása és használata

	A	B
1	Reference	Title
88	ECC/DEC/(18)05 *(18 November 2022)*	The harmonised use, exemption from individual licensing and free circulation and use of Earth Stations In-Motion (ESIM) operating with NGSO FSS satellite systems in the frequency bands 10.7-12.75 GHz and 14.0-14.5 GHz A 10,7-12,75 GHz és a 14,0-14,5 GHz frekvenciasávban NGSO FSS műholdas rendszerekkel működő mozgásban lévő földi állomások (ESIM) harmonizált használata, egyedi engedélyezés alóli mentesítése, valamint szabad mozgása és használata
89	ECC/DEC/(18)06 *(20 November 2020)*	Harmonised technical conditions for Mobile/Fixed Communications Networks (MFCN) in the band 24.25-27.5 GHz A 24,25-27,5 GHz sávban működő mozgó/állandóhelyű hírközlő hálózatok (MFCN) harmonizált műszaki feltételei
90	ECC/DEC/(19)01	ECC Decision on the withdrawal of ECC Decision (11)04) on exemption from individual licensing of digital terminals of narrowband and wideband PMR/PAMR/PPDR systems and free circulation and use of digital terminals of narrowband and wideband PPDR systems operating in the 80 MHz, 160 MHz, 380-470 MHz and 800/900 MHz bands ECC-határozat a 80 MHz, 160 MHz, 380-470 MHz és a 800/900 MHz sávban a keskeny- és szélesebb sávú PMR/PAMR/PPDR rendszerek digitális végberendezéseinek egyedi engedélyezés alóli mentesítéséről, valamint a keskeny- és szélesebb sávú PPDR rendszerek digitális végberendezéseinek szabad mozgásáról és használatáról szóló (11)04 ECC-határozat visszavonásáról
91	ECC/DEC/(19)02	Land mobile systems in the frequency ranges 68-87.5 MHz, 146-174 MHz, 406.1-410 MHz, 410-430 MHz, 440-450 MHz and 450-470 MHz Földi mozgó rendszerek a 68–87,5 MHz, 146–174 MHz, 406,1–410 MHz, 410–430 MHz, 440–450 MHz és a 450–470 MHz frekvenciatartományban
92	ECC/DEC/(19)03	Harmonised usage of the channels of the Radio Regulations Appendix 18 (transmitting frequencies in the VHF maritime mobile band) A Nemzetközi Rádiószabályzat 18. függeléke (adási frekvenciák a VHF tengeri mozgó sávban) szerinti csatornák harmonizált használata
93	ECC/DEC/(20)01	On the harmonised use of the frequency band 5945-6425 MHz for Wireless Access Systems including Radio Local Area Networks (WAS/RLAN) Az 5945-6425 MHz frekvenciasáv vezetéknélküli hozzáférési rendszerek, többek között rádiós helyi hálózatok (WAS/RLAN) céljára történő harmonizált használatáról
94	ECC/DEC/(20)02 *(10 June 2022)*	Harmonised use of the paired frequency bands 874.4-880.0 MHz and 919.4-925.0 MHz and of the unpaired frequency band 1900-1910 MHz for Railway Mobile Radio (RMR) A 874,4–880,0 MHz és a 919,4–925,0 MHz párosított frekvenciasáv, valamint az 1900–1910 MHz párosítatlan frekvenciasáv vasúti mozgó rádió (RMR) céljára történő harmonizált használata
95	ECC/DEC/(21)03	ECC Decision on the withdrawal of ERC Decision (95)01 on the free circulation and use of certain radio equipment in CEPT member countries ECC-határozat az egyes rádióberendezések CEPT-tagországokban való szabad mozgásáról és használatáról szóló (95)01 ERC-határozat visszavonásáról
96	ECC/DEC/(22)01	Free circulation and use of Mobile/Fixed Communication Networks (MFCN) terminals operating under the control of terrestrial networks Földfelszíni hálózatok vezérlése alatt működő mozgó/állandóhelyű hírközlő hálózati (MFCN) végfelhasználói állomások szabad mozgása és használata

	A	B
1	Reference	Title
97	ECC/DEC/(22)05	ECC Decision on the withdrawal of ERC Decision (99)15 on the designation of the harmonised frequency band 40.5 to 43.5 GHz for the introduction of Multimedia Wireless Systems (MWS) and Point-to-Point (PtP) Fixed Wireless Systems ECC-határozat a vezetéknélküli multimédia rendszerek (MWS) és pont-pont (PtP) struktúrájú állandóhelyű vezetéknélküli rendszerek bevezetésére szolgáló 40,5–43,5 GHz harmonizált frekvenciasáv kijelöléséről szóló (99)15 ERC-határozat visszavonásáról
98	ECC/DEC/(22)06	Harmonised technical conditions for Mobile/Fixed Communications Networks (MFCN) in the band 40.5-43.5 GHz A 40,5–43,5 GHz sávban működő mozgó/állandóhelyű hírközlő hálózatok (MFCN) harmonizált műszaki feltételei

”

4. The following row 32 is added to the table under point 3.3 in Annex 8 of the Decree:

	(A)	*(B)*
	(Reference)	*(Title)*
32	ECC/REC/(18)02	Radio frequency channel/block arrangements for Fixed Service systems operating in the bands 92-94 GHz, 94.1-100 GHz, 102-109.5 GHz and 111.8-114.25 GHz Rádiófrekvenciás csatorna-/blokkelrendezések a 92–94 GHz, 94,1–100 GHz, 102–109,5 GHz és a 111,8–114,25 GHz sávban működő állandóhelyű szolgálati rendszerek részére

5. Rows 58 and 59 of the table under point 5 in Annex 8 of the Decree are replaced by the following rows, and the following rows 60 and 61 are added:

	(A)	*(B)*
	(Reference)	*(Title)*
58	GSM 1800 Agreement (2018)	TECHNICAL ARRANGEMENT between the National Frequency Management Authorities of CROATIA, HUNGARY and SERBIA concerning allotment of preferential frequencies and coordination of GSM 1800 systems in the frequency bands 1710 – 1785 / 1805 – 1880 MHz agreed by correspondence in November 2018 Horvátország, Magyarország és Szerbia nemzeti frekvenciagazdálkodási hatóságai között létrejött Műszaki Megegyezés a preferált frekvenciák felosztásáról és a GSM 1800 rendszerek koordinációjáról az 1710–1785/1805–1880 MHz frekvenciasávban levelezés útján elfogadva 2018. novemberben
59	Sharm el-Sheikh (2019)	TECHNICAL AND PROCEDURAL ARRANGEMENT for usage of the 1427-1518 MHz frequency band by terrestrial systems in the border areas Hungary and Ukraine Sharm-El-Sheikh, Egypt, 20 November 2019 Műszaki és eljárási megegyezés az 1427–1518 MHz frekvenciasáv földfelszíni rendszerek általi használatáról Magyarország és Ukrajna határövezetében Sarm es-Sejk, Egyiptom, 2019. november 20.
60	GSM-R Agreement (2022)	TECHNICAL ARRANGEMENT between the Frequency Management Authorities of CROATIA, HUNGARY and SERBIA on the frequency coordination in the frequency bands 876 – 880 / 921 – 925 MHz (GSM-R core band) agreed by correspondence in May 2022 Horvátország, Magyarország és Szerbia frekvenciagazdálkodási hatóságai között létrejött Műszaki Megegyezés a 876–880/921–925 MHz (GSM-R alapsáv) frekvenciasávban történő frekvenciakoordinációról levelezés útján elfogadva 2022. májusban

	(A)	*(B)*
	(Reference)	*(Title)*
61	HCM Agreement (2022)	AGREEMENT between the Administrations of Austria, Belgium, the Czech Republic, Germany, France, Hungary, the Netherlands, Croatia, Italy, Liechtenstein, Lithuania, Luxembourg, Poland, Romania, the Slovak Republic, Slovenia and Switzerland on the co-ordination of frequencies between 29.7 MHz and 43.5 GHz for the fixed service and the land mobile service. (HCM Agreement) Berlin, 8th September 2022 Megállapodás, amely létrejött Ausztria, Belgium, a Cseh Köztársaság, Németország, Franciaország, Magyarország, Hollandia, Horvátország, Olaszország, Liechtenstein, Litvánia, Luxemburg, Lengyelország, Románia, a Szlovák Köztársaság, Szlovénia és Svájc igazgatásai között az állandóhelyű szolgálat és a földi mozgószolgálat 29,7 MHz és 43,5 GHz közötti frekvenciáinak koordinálására. (HCM Megállapodás) Berlin, 2022. szeptember 8.

6. Row 4 of the table under point 7.1 in Annex 8 of the Decree is replaced by the following row:

	(A)	*(B)*	*(C)*
	(Reference)	*(Title)*	*(Restriction on the presumption of conformity)*
4	ETSI EN 300 113 *(2016)*	Land Mobile Service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU Földi mozgószolgálat. Adat- és/vagy beszédátviteli célú, állandó vagy nem állandó burkológörbéjű modulációt használó, antennacsatlakozóval ellátott rádióberendezések. A 2014/53/EU irányelv 3. cikke (2) bekezdésének alapvető követelményeit tartalmazó, harmonizált szabvány	

7. Row 16 of the table under point 7.1 in Annex 8 of the Decree is replaced by the following row:

	(A)	*(B)*	*(C)*
	(Reference)	*(Title)*	*(Restriction on the presumption of conformity)*
16	MSZ EN 300 422-1 *(2022)*	Wireless microphones. Audio PMSE up to 3 GHz. Part 1: Audio PMSE equipment up to 3 GHz. Harmonised standard for access to radio spectrum	

8. The following row 23/A is added to the table under point 7.1 of Annex 8 to the Decree:

	(A)	*(B)*	*(C)*
	(Reference)	*(Title)*	*(Restriction on the presumption of conformity)*
23/A	MSZ EN 300 674-2-1 *(2022)*	Transport and Traffic Telematics (TTT). Dedicated Short Range Communication (DSRC) transmission equipment (500 kbit/s / 250 kbit/s) operating in the 5 795 MHz to 5 815 MHz frequency band. Part 2: Harmonised standard for access to radio spectrum. Subpart 1: Road side units (RSUs)	

9. Row 58 of the table under point 7.1 in Annex 8 of the Decree is replaced by the following row:

	(A)	*(B)*	*(C)*
	(Reference)	*(Title)*	*(Restriction on the presumption of conformity)*
58	MSZ EN 301 908-13 *(2022)*	IMT cellular networks. Harmonised standard for access to radio spectrum. Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)	Compliance with this harmonised standard does not confer a presumption of conformity with the essential requirement for radio spectrum management, if a tolerance greater than 2 dB is applied by applying point 4.2.2 of this harmonised standard.

10. Row 77 of the table under point 7.1 in Annex 8 of the Decree is replaced by the following row:

	(A)	*(B)*	*(C)*
	(Reference)	*(Title)*	*(Restriction on the presumption of conformity)*
77	ETSI EN 302 186 *(2016)*	Satellite Earth Stations and Systems (SES). Harmonised Standard for satellite mobile Aircraft Earth Stations (AESs) operating in the 11/12/14 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU Műholdas földi állomások és rendszerek (SES). A 2014/53/EU irányelv 3. cikke (2) bekezdésének alapvető követelményeit tartalmazó, harmonizált szabvány a 11/12/14 GHz-es frekvenciasávokban működő, műholdas, mozgó légi járművek földi állomásai (AES-ek) számára	

11. Row 86 of the table under point 7.1 in Annex 8 of the Decree is replaced by the following row:

	(A)	*(B)*	*(C)*
	(Reference)	*(Title)*	*(Restriction on the presumption of conformity)*
86	ETSI EN 302 326-2 *(2007)*	Fixed Radio Systems; Multipoint Equipment and Antennas. Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive for Digital Multipoint Radio Equipment Állandó helyű rádiórendszerek. Többpontos berendezések és antennák. 2. rész: A digitális többpontos rádióberendezésekre vonatkozó, az R&TTE-irányelv 3. cikke (2) bekezdésének alapvető követelményeit tartalmazó, harmonizált európai szabvány	

12. The following row 113/A is added to the table under point 7.1 of Annex 8 to the Decree:

	(A)	*(B)*	*(C)*
	(Reference)	*(Title)*	*(Restriction on the presumption of conformity)*
113/A	MSZ EN 303 213-5-2 *(2022)*	Advanced Surface Movement Guidance and Control System (A-SMGCS). Part 5: Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment. Sub-part 2: Reference and vehicle transmitters	

13. In the table under point 7.1 of Annex 8 to the Decree, rows 116–119/A are replaced by the following rows, and the following rows 118/B–118/D and 119/B are added:

	(A)	*(B)*	*(C)*
	(Reference)	*(Title)*	*(Restriction on the presumption of conformity)*
116	ETSI EN 303 340 *(2016)*	Digital Terrestrial TV Broadcast Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU Digitális földfelszíni tv-műsorszóró vevőkészülékek. A 2014/53/EU irányelv 3. cikke (2) bekezdésének alapvető követelményeit tartalmazó, harmonizált szabvány	
117	MSZ EN 303 345-2 *(2022)*	Broadcast Sound Receivers. Part 2: AM broadcast sound service. Harmonised Standard for access to radio spectrum	Compliance with this harmonised standard shall not presume compliance with the essential requirement for radio spectrum management with regard to unwanted radiation in the secondary wave range if, for the purposes of point 4.4.3 of the standard, either discretionary tests are carried out or tests are not carried out to measure the radiation level of the secondary wave range.
117/A	MSZ EN 303 345-3 *(2021)*	Broadcast Sound Receivers. Part 3: FM broadcast sound service. Harmonised Standard for access to radio spectrum	Compliance with this harmonised standard shall not presume compliance with the essential requirement for radio spectrum management with regard to unwanted radiation in the secondary wave range if, for the purposes of point 4.4.3 of the standard, either discretionary tests are carried out or tests are not carried out to measure the radiation level of the secondary wave range.
117/B	MSZ EN 303 345-4 *(2021)*	Broadcast Sound Receivers. Part 4: DAB broadcast sound service. Harmonised Standard for access to radio spectrum	Compliance with this harmonised standard shall not presume compliance with the essential requirement for radio spectrum management with regard to unwanted radiation in the secondary wave range if, for the purposes of point 4.4.3 of the standard, either discretionary tests are carried out or tests are not carried out to measure the radiation level of the secondary wave range.

	(A)	*(B)*	*(C)*
	(Reference)	*(Title)*	*(Restriction on the presumption of conformity)*
118	MSZ EN 303 345-5 *(2022)*	Broadcast Sound Receivers. Part 5: DRM broadcast sound service. Harmonised Standard for access to radio spectrum	Compliance with this harmonised standard shall not presume compliance with the essential requirement for radio spectrum management with regard to unwanted radiation in the secondary wave range if, for the purposes of point 4.4.3 of the standard, either discretionary tests are carried out or tests are not carried out to measure the radiation level of the secondary wave range.
118/A	MSZ EN 303 347-1 *(2021)*	Meteorological radars. Harmonised Standard for access to radio spectrum. Part 1: Meteorological radar sensor operating in the frequency band 2 700 MHz to 2 900 MHz (S band)	
118/B	MSZ EN 303 347-2 *(2021)*	Meteorological radars. Harmonised Standard for access to radio spectrum. Part 2: Meteorological radar sensor operating in the frequency band 5 250 MHz to 5 850 MHz (C band)	
118/C	MSZ EN 303 347-3 *(2021)*	Meteorological radars. Harmonised Standard for access to radio spectrum. Part 3: Meteorological radar sensor operating in the frequency band 9 300 MHz to 9 500 MHz (X band)	
118/D	MSZ EN 303 348 *(2021)*	Audio frequency induction loop drivers up to 45 amperes in the frequency range 10 Hz to 9 kHz. Harmonised Standard for access to radio spectrum	
119	MSZ EN 303 354 *(2017)*	Amplifiers and active antennas for TV broadcast reception in domestic premises. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	
119/A	MSZ EN 303 363-1 *(2022)*	Air traffic control surveillance radar sensors. Secondary surveillance radar (SSR). Harmonised Standard for access to radio spectrum. Part 1: SSR Interrogator	
119/B	MSZ EN 303 364-2 *(2021)*	Primary Surveillance Radar (PSR). Harmonised Standard for access to radio spectrum. Part 2: Air Traffic Control (ATC) PSR sensors operating in the frequency band 2 700 MHz to 3 100 MHz (S band)	As regards points 4.2.1.4 and 5.3.1.5 of this harmonised standard, compliance with this harmonised standard does not confer a presumption of conformity with the essential requirement for radio spectrum management with regard to the equipment which does not use WR284/WG10/R32 wave guides for the transmission of energy between the transmitter and the antenna.

14. Point 7.2 in Annex 8 to the Decree is replaced by the following point:

"**7.2 Other standards**

	A	B
1	Reference	Title
2	ETSI TS 144 018 *(2022)*	Digital cellular telecommunications system (Phase 2+) (GSM); Mobile radio interface layer 3 specification; GSM/EDGE Radio Resource Control (RRC) protocol (3GPP TS 44.018 version 17.0.0 Release 17) Digitális, cellás távközlőrendszer (2+ fázis) (GSM). A mobilrádió-interfész 3. rétegének előírása. GSM/EDGE rádióerőforrás-vezérlő (RRC) protokoll (3GPP TS 44.018, 17.0.0. változat, Release 17)
3	ETSI TS 148 008 *(2022)*	Digital cellular telecommunications system (Phase 2+) (GSM); Mobile Switching Centre - Base Station system (MSC-BSS) interface; Layer 3 specification (3GPP TS 48.008 version 17.0.0 Release 17) Digitális, cellás távközlőrendszer (2+ fázis) (GSM). A mobil központ és a bázisállomás-rendszer közötti (MSC-BSS) interfész. A 3. réteg előírása (3GPP TS 48.008, 17.0.0. változat, Release 17)
4	MSZ EN 300 066 *(2002)*	Electromagnetic compatibility and radio spectrum matters (ERM). Float-free maritime satellite Emergency Position Indicating Radio Beacons (EPIRBs) operating in the 406.0 MHz - 406.1 MHz frequency band. Technical characteristics and methods of measurement
5	MSZ EN 300 113 *(2020)*	Land mobile service. Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector
6	MSZ EN 300 152-2 *(2001)*	Electromagnetic compatibility and radio spectrum matters (ERM). Maritime Emergency Position Indicating Radio Beacons (EPIRBs) intended for use on the frequency 121.5 MHz or the frequencies 121.5 MHz and 243 MHz for homing purposes only. Part 2: Harmonised EU standard covering the essential requirements of article 3.2 of the R&TTE Directive
7	MSZ EN 300 152-3 *(2001)*	Electromagnetic compatibility and radio spectrum matters (ERM). Maritime Emergency Position Indicating Radio Beacons (EPIRBs) intended for use on the frequency 121.5 MHz or the frequencies 121.5 MHz and 243 MHz for homing purposes only. Part 3: Harmonised EU standard covering the essential requirements of article 3.3 (e) of the R&TTE Directive
8	MSZ EN 300 220-2 *(2018)*	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz. Part 2: Harmonised Standard for access to radio spectrum for non specific radio equipment
9	MSZ ETS 300 384 *(2000)*	Radio broadcasting systems. Very High Frequency (VHF), frequency modulated, sound broadcasting transmitters
10	MSZ ETS 300 384/A1 *(2000)*	Radio broadcasting systems. Very High Frequency (VHF), frequency modulated, sound broadcasting transmitters
11	MSZ EN 300 440 *(2018)*	Short Range Devices (SRD). Radio equipment to be used in the 1 GHz to 40 GHz frequency range. Harmonised Standard for access to radio spectrum
12	MSZ EN 300 761-2 *(2001)*	Electromagnetic compatibility and radio spectrum matters (ERM). Short Range Devices (SRD). Automatic Vehicle Identification (AVI) for railways operating in the 2.45 GHz frequency range. Part 2: Harmonized standard covering essential requirements under article 3.2 of the R&TTE Directive
13	MSZ EN 301 091-1 *(2017)*	Short Range Devices. Transport and Traffic Telematics (TTT). Radar equipment operating in the 76 GHz to 77 GHz range. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU. Part 1: Ground based vehicular radar

	A	B
1	Reference	Title
14	MSZ EN 301 091-2 *(2017)*	Short Range Devices. Transport and Traffic Telematics (TTT). Radar equipment operating in the 76 GHz to 77 GHz range. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU. Part 2: Fixed infrastructure radar equipment
15	MSZ EN 301 091-3 *(2017)*	Short Range Devices. Transport and Traffic Telematics (TTT). Radar equipment operating in the 76 GHz to 77 GHz range. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU. Part 3: Railway/Road Crossings obstacle detection system applications
16	MSZ EN 302 064 *(2017)*	Wireless video links operating in the 1.3 GHz to 50 GHz frequency band. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
17	MSZ EN 302 065-5 *(2018)*	Short Range Devices (SRD) using Ultra Wide Band technology (UWB). Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU. Part 5: Devices using UWB technology onboard aircraft
18	MSZ EN 302 077 *(2023)*	Transmitting equipment for the Digital Audio Broadcasting (DAB) service. Harmonised Standard for access to radio spectrum
19	MSZ EN 302 152-1 *(2004)*	Electromagnetic compatibility and radio spectrum matters (ERM). Satellite Personal Locator Beacons (PLBs) operating in the 406.0 MHz - 406.1 MHz frequency band. Part 1: Technical characteristics and methods of measurement
20	MSZ EN 302 186 *(2021)*	Satellite Earth Stations and Systems (SES). Satellite mobile Aircraft Earth Stations (AESs) operating in the 11/12/14 GHz frequency bands. Harmonised Standard for access to radio spectrum
21	MSZ EN 302 194 *(2017)*	Navigation radar used on inland waterways. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
22	ETSI EN 302 208-2 *(2015)*	Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive Elektromágneses összeférhetőségi és rádióspektrumügyek (ERM). A 865 MHz-től 868 MHz-ig terjedő sávban legfeljebb 2 W teljesítménnyel és a 915 MHz-től 921 MHz-ig terjedő sávban legfeljebb 4 W teljesítménnyel működő rádiófrekvenciás azonosító berendezés. 2. rész: Az R&TTE-irányelv 3. cikke (2) bekezdésének alapvető követelményeit tartalmazó, harmonizált európai szabvány
23	MSZ EN 302 217-4 *(2017)*	Fixed radio systems. Characteristics and requirements for point-to-point equipment and antennas. Part 4: Antennas
24	MSZ EN 302 245 *(2022)*	Transmitting equipment for the Digital Radio Mondiale (DRM) service. Harmonised Standard for access to radio spectrum
25	MSZ EN 302 264 *(2017)*	Short Range Devices. Transport and Traffic Telematics (TTT). Short Range Radar equipment operating in the 77 GHz to 81 GHz band. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
26	MSZ EN 302 288 *(2017)*	Short Range Devices. Transport and Traffic Telematics (TTT). Ultra-wideband radar equipment operating in the 24.25 GHz to 26.65 GHz range. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
27	MSZ EN 302 291-2 *(2005)*	Electromagnetic compatibility and Radio spectrum Matters (ERM). Short Range Devices (SRD). Close Range Inductive Data Communication equipment operating at 13.56 MHz. Part 2: Harmonized EN standard under article 3.2 of the R&TTE Directive
28	MSZ EN 302 326-2 *(2022)*	Fixed radio systems. Multipoint equipment and antennas. Part 2: Harmonised standard for access to radio spectrum

	A	B
1	Reference	Title
29	MSZ EN 302 326-3 *(2022)*	Fixed radio systems. Multipoint equipment and antennas. Part 3: Multipoint antennas
30	MSZ EN 302 510 *(2017)*	Short Range Devices (SRD). Ultra Low Power Active Medical Membrane Implants (ULP-AMI-M) and Peripherals (ULP-AMI-M-P) operating in the frequency range 30 MHz to 37.5 MHz. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
31	MSZ EN 302 536 *(2018)*	Short Range Devices (SRD). Radio equipment operating in the frequency range 315 kHz to 600 kHz for Ultra Low Power Animal Implantable Devices (ULP-AID) and associated peripherals. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
32	MSZ EN 302 608 *(2018)*	Short Range Devices (SRD). Radio equipment for Eurobalise railway systems. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
33	MSZ EN 302 645 *(2010)*	Electromagnetic compatibility and Radio spectrum Matters (ERM). Short Range Devices (SRD). Global Navigation Satellite Systems (GNSS) Repeaters. Harmonized EN standard covering the essential requirements of article 3.2 of the R&TTE Directive
34	MSZ EN 302 858 *(2017)*	Short Range Devices. Transport and Traffic Telematics (TTT). Radar equipment operating in the 24.05 GHz to 24.25 GHz or 24.05 GHz to 24.50 GHz range. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
35	MSZ EN 303 035-1 *(2002)*	Terrestrial Trunked Radio (TETRA). Harmonized EN standard for TETRA equipment covering essential requirements under article 3.2 of the R&TTE Directive. Part 1: Voice plus Data (V+D)
36	MSZ EN 303 340 *(2021)*	Digital Terrestrial TV Broadcast Receivers. Harmonised standard for access to radio spectrum
37	MSZ EN 303 360 *(2017)*	Short Range Devices. Transport and Traffic Telematics (TTT). Radar equipment operating in the 76 GHz to 77 GHz range. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU. Obstacle detection radars for use on manned rotorcraft
38	MSZ EN 303 405 *(2017)*	Land mobile service. Analogue and digital PMR446 equipment. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
39	MSZ EN 303 447 *(2022)*	Short Range Devices (SRD). Harmonised Standard for access to radio spectrum. Inductive loop systems for robotic mowers operating within the frequency range 100 Hz to 148.5 kHz
40	MSZ EN 303 454 *(2018)*	Short Range Devices (SRD). Metal and object detection sensors in the frequency range 1 kHz to 148.5 kHz. Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

”