

Publication in accordance with Article 1(3) of Commission Decision 2000/299/EC
(Version January 2020 of indicative and non-exhaustive list)

In accordance with Article 1(3) of Commission Decision 2000/299/EC¹ the table below contains a list of equipment falling within the scope of ‘Class 1’².

Subclass of Class 1³	Application	Frequency band(s)	Comments
	Radio equipment that will automatically adapt, without user intervention, so as to meet at the moment of its use the authorised conditions, under the described scope of application, of use in every Member State in license exempt frequency bands (or general authorisation regime) in force on the whole single market and the technical solution is documented in the technical documentation.	up to 3000 GHz	
07	Receive-only radio equipment	up to 3000 GHz	
09a	Radio equipment which can only transmit under the control of a licensed public mobile radio network		
09b	Radio equipment which can only transmit under the control of a licensed non-public mobile radio network		Rev. of ed. January 2020
11	MSS Earth Stations	1 525.0 - 1 660.5 MHz	
12	MSS Earth Stations	10.70 - 14.25 GHz	
13	PPDR end-user equipment	380 - 395 MHz	Rev. of ed. October 2016 Covered by 9b
14	MSS Earth Stations	1 610 - 2 500 MHz	
15	MSS Earth Stations	1 980 - 2 200 MHz	
16	MSS Earth Stations	1 525.0 - 1 660.5 MHz	
18	DECT	1880 - 1900 MHz	
19	Non-specific short range devices	40.660 - 40.700 MHz	Rev. of ed. October 2016
20	Non- specific short range devices	433.050 - 434.790 MHz	Rev. of ed. January 2020
21	Non- specific short range devices	2 400 - 2 483.5 MHz	Rev. of ed. October 2016
22	Wideband Data Transmission Systems	2400 - 2483.5 MHz	
24	Non- specific short range devices	13 553 - 13 567 kHz	Rev. of ed. October 2016

¹ COMMISSION DECISION of 6 April 2000 establishing the initial classification of radio equipment and telecommunications terminal equipment and associated identifiers (2000/299/EC)

² ‘Class 1’ as set out in Article 1(1) of Decision 2000/299/EC

³ To access directly the subclass (.doc version of this document) press CTRL + Click on the subclass number

25	Non- specific short range devices	26.957 - 27.283 MHz	Rev. of ed. October 2016
26	Radio determination applications	2400 - 2483.5 MHz	Rev. of ed. October 2016
27	Non- specific short range devices	24.150 - 24.250 GHz	Rev. of ed. October 2016
28	Non- specific short range devices	868.000 - 868.600 MHz	Rev. of ed. January 2020
29	Non- specific short range devices	868.700 - 869.200 MHz	Rev. of ed. January 2020
30	Non- specific short range devices	869.400 - 869.650 MHz	Rev. of ed. January 2020
31	Non- specific short range devices	869.700 - 870.000 MHz	
32	Alarms	868.600 - 868.700 MHz	Rev. of ed. October 2016
33	Alarms	869.250 - 869.300 MHz	Rev. of ed. October 2016
34	Alarms	869.650 - 869.700 MHz	Rev. of ed. October 2016
35	Social alarms	869.200 - 869.250 MHz	
36	Inductive applications	9.000 - 59.750 kHz	Rev. of ed. October 2016
37	Inductive applications	59.750 - 60.250 kHz	Rev. of ed. October 2016
39	Inductive applications	60.250 - 74.750 kHz	Rev. of ed. October 2016
40a	Inductive applications	74.750 - 75.250 kHz	Rev. of ed. October 2016
40b	Inductive applications	75.250 - 77.250 kHz	Rev. of ed. October 2016
40c	Inductive applications	77.250 - 77.750 kHz	Rev. of ed. October 2016
40d	Inductive applications	77.750 - 90 kHz	Rev. of ed. October 2016
40e	Inductive applications	90 - 119 kHz	Rev. of ed. October 2016
41	Inductive applications	119 - 128.6 kHz	Rev. of ed. October 2016
42a	Inductive applications	128.6 - 129.6 kHz	Rev. of ed. October 2016
42b	Inductive applications	129.6 - 135 kHz	Rev. of ed. October 2016
43	Non- specific short range devices	5 725 - 5 875 MHz	Rev. of ed. October 2016
44	Non- specific short range devices	6765 - 6795 kHz	Rev. of ed. October 2016
45	Inductive applications	7 400 - 8 800 kHz	Rev. of ed. October 2016
47	Active medical implants	402 - 405 MHz	Rev. of ed. October 2016
48	Wireless audio and multimedia streaming applications	863 - 865 MHz	Rev. of ed. October 2016
49	Emergency detections of buried victims and valuable items	457 kHz	Rev. of ed. October 2016
50a	Transport and traffic telematics	76 - 77 GHz	Rev. of ed. January 2020
50b	Transport and traffic telematics	76 - 77 GHz	
51	PMR446	446.0 - 446.2 MHz	Rev. of ed. October 2016
52	Transport and traffic telematics	24.25 - 26.65 GHz	Rev. of ed. October 2016
53	Transport and traffic telematics	77 - 81 GHz	Rev. of ed. October 2016
54	Wireless Access Systems including Radio Local Area Networks (WAS/RLANs)	5470 - 5725 MHz	Rev. of ed. July 2014
56	Radio Frequency Identification Devices	865-868 MHz	Rev. of ed. October 2016
57a	Equipment using Ultra-Wideband Technology	9 kHz - 3 000 GHz	
57b	Equipment using Ultra-Wideband Technology (automotive and railway vehicles)	3.1 - 4.8 GHz and 6.0 - 9.0 GHz	Rev. of ed. January 2020
57c	Equipment using Ultra-Wideband Technology (Material sensing devices - Building Material Analysis - BMA and Object Discrimination and Characterisation - ODC)	9 kHz - 3 000 GHz	Rev. of ed. January 2020
57d	Equipment using Ultra-Wideband Technology (Generic usage)	3.1 - 4.8 GHz 6.0 – 9.0 GHz	Rev. of ed. January 2020
57e	Equipment using Ultra-Wideband Technology (Location tracking systems)	6 – 9 GHz	Rev. of ed. January 2020

57f	Equipment using Ultra-Wideband Technology (onboard aircrafts)	6 – 6.65 GHz 6.6752 – 8.5 GHz	Rev. of ed. January 2020
61	Non- specific short range devices	433.050 - 434.040 MHz	
62	Non- specific short range devices	244 - 246 GHz	Rev. of ed. October 2016
63	Non- specific short range devices	434.040 - 434.790 MHz	
64	Assistive Listening Devices	169.4875 MHz - 169.5875 MHz	Rev. of ed. October 2016
65	Non-specific short range devices	434.04 - 434.79 MHz	Rev. of ed. January 2020
66	Non- specific short range devices	863 - 865 MHz	Rev. of ed. October 2016
67	Non- specific short range devices	865 - 868 MHz	Rev. of ed. January 2020
68	Assistive Listening Devices	169.4 - 169.475 MHz	Rev. of ed. October 2016
69	Non- specific short range devices	869.7 - 870 MHz	Rev. of ed. January 2020
70	Social alarms	169.5875 - 169.6 MHz	Included in subclass 129
71	Non- specific short range devices	61.0 - 61.5 GHz	Rev. of ed. October 2016
72	Alarms	869.300 - 869.400 MHz	Rev. of ed. October 2016
73	Inductive applications	140 - 148.5 kHz	Rev. of ed. October 2016
74	Inductive applications	148.5 - 5 000 kHz	Rev. of ed. October 2016
75	Inductive applications	400 - 600 kHz	Rev. of ed. October 2016
76	Inductive applications	3 155 - 3 400 kHz	Rev. of ed. October 2016
77	Inductive applications	5 - 30 MHz	Rev. of ed. October 2016
78	Inductive applications	10 200 - 11 000 kHz	Rev. of ed. October 2016
79	Inductive applications	13 553 - 13 567 kHz	Rev. of ed. October 2016
80	Non- specific short range devices	169.4 - 169.475 MHz	Rev. of ed. June 2012
81	Active medical implants	9 - 315 kHz	Rev. of ed. October 2016
82	Active medical implants	30.0 - 37.5 MHz	Rev. of ed. October 2016
83	Active medical implants and associated peripherals	401 - 402 MHz	Rev. of ed. October 2016
84	Active medical implants and associated peripherals	405 - 406 MHz	Rev. of ed. October 2016
85	Animal implantable devices	315 - 600 kHz	Included in subclass 74
86	Low power FM transmitters	87.5 - 108 MHz	Rev. of ed. October 2016
87	Social alarms	169.475 - 169.4875 MHz	Replaced by subclass 128 on July 2014
88	Radio determination applications	17.1 - 17.3 GHz	Rev. of ed. October 2016
89	Radio determination devices	4.5 - 7 GHz	Rev. of ed. October 2016
90	Radio determination devices	8.5 - 10.6 GHz	Rev. of ed. October 2016
91	Radio determination devices	24.05 - 27.0 GHz	Rev. of ed. October 2016
92	Radio determination devices	57.0 - 64.0 GHz	Rev. of ed. October 2016
93	Radio determination devices	75.0 - 85.0 GHz	Rev. of ed. October 2016
94	Model control	26 990 - 27 000 kHz	
95	Model control	27 040 - 27 050 kHz	
96	Model control	27 090 - 27 100 kHz	
97	Model control	27 140 - 27 150 kHz	
98	Model control	27 190 - 27 200 kHz	
99	PMR 446 Digital	446.1 - 446.2 MHz	Included in subclass 51 from January 2018
100	Radio frequency identification	2 446 - 2 454 MHz	Rev. of ed. October 2016
101	Transport and traffic telematics	24.050 - 24.075 GHz	Rev. of ed. October 2016
102	Transport and traffic telematics	24.075 - 24.150 GHz	Rev. of ed. October 2016
103	Transport and traffic telematics	24.075 - 24.150 GHz	Rev. of ed. October 2016
104	Transport and traffic telematics	24.150 - 24.250 GHz	Rev. of ed. October 2016
105	Transport and traffic telematics	63.72 – 65.88 GHz	Rev. of ed. January 2020
106	Inductive applications	135 - 140 kHz	Rev. of ed. October 2016
107a	Non- specific short range devices	122 – 122.25 GHz	Rev. of ed. October 2016
107b	Non- specific short range devices	122.25 - 123 GHz	
108	Transport and traffic telematics	5 725 - 5 875 MHz	Rev. of ed. June 2012

109	Transport and traffic telematics	984 – 7 484 kHz	
110	Transport and traffic telematics	7 300 – 23 000 kHz	
111	Transport and traffic telematics	24.25 - 24.495 GHz	Rev. of ed. October 2016
112	Transport and traffic telematics	24.25 - 24.5 GHz	Rev. of ed. October 2016
113	Transport and traffic telematics	24.495 - 24.5 GHz	Rev. of ed. October 2016
114	Inductive applications	6 765 – 6 795 kHz	Included in subclass 44
115	Inductive applications	26 957 – 27 283 kHz	Included in subclass 25 from January 2018
116	Inductive applications	13 553 – 13 567 kHz	Rev. of ed. January 2020
117	Active medical implants	2 483.5 - 2 500 MHz	Rev. of ed. October 2016
118	Non-Specific Short Range Devices	26 990 - 27 000 kHz	
119	Non-Specific Short Range Devices	27 040 - 27 050 kHz	
120	Non-Specific Short Range Devices	27 090 - 27 100 kHz	
121	Non-Specific Short Range Devices	27 140 - 27 150 kHz	
122	Non-Specific Short Range Devices	27 190 - 27 200 kHz	
123	Metering Devices	169.4 - 169.475 MHz	Rev. of ed. October 2016
124	Non-Specific Short Range Devices	169.4875 - 169.5875 MHz	Rev. of ed. January 2020
125	Non-Specific Short Range Devices	434.04 - 434.79 MHz	
126	Non-Specific Short Range Devices	57 - 64 GHz	Rev. of ed. January 2020
127	Radio determination devices	57 - 64 GHz	Rev. of ed. October 2016
128	Non-Specific Short Range Devices	169.4 - 169.4875 MHz	Rev. of ed. January 2020
129	Non-Specific Short Range Devices	169.5875 - 169.8125 MHz	Rev. of ed. January 2020
130	Non- specific short range devices	869.400 - 869.650 MHz	Included in subclass 30 from January 2018
131	Assistive Listening Devices	173.965 - 216 MHz	
132	Wideband Data Transmission Systems	863 - 868 MHz	
133	Non-Specific Short Range Devices	865 - 868 MHz	
134	Transport and traffic telematics	5 795 - 5 815 MHz	Rev. of ed. January 2020
135	Intelligent Transport Systems (ITS)	5 875 - 5 905 MHz	
136	Non- specific short range devices	442,2 - 450,0 kHz	
137	Medical data acquisition devices	430 - 440 MHz	
138	Non-Specific Short Range Devices	862 – 863 MHz	
139	Transport and traffic telematics	5 855 - 5 865 MHz	
140	Transport and traffic telematics	5 865 - 5 875 MHz	
141	Wideband Data Transmission Systems	57 – 71 GHz	
142	Wideband Data Transmission Systems	57 – 71 GHz	
143	Wideband Data Transmission Systems	57 – 71 GHz	

European Union	Radio Interface Specification	Radio equipment which can only transmit under the control of a licensed public mobile radio network	Sub-class 9a	Edition July 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service Mobile-Satellite Service	
	2	Application	Mobile terminals Mobile-Satellite earth stations	This subclass covers radio equipment of receive before transmit type which can only transmit under the control of a licensed public mobile radio network as e.g., and not exclusively described in the ECC/DEC/(12)01 (GSM, UMTS/IMT200, LTE, Wimax, ...).
	3	Frequency band		
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density		
	8	Channel access and occupation rules	Listen before transmit Control under a network	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference		
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio equipment which can only transmit under the control of a licensed non-public mobile radio network	Sub-class 9b	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Mobile terminals	This subclass covers radio equipment of receive before transmit type which can only transmit under the control of a licensed mobile radio network providing communications to closed user group as described in the ECC/DEC/(19)02 and ECC/DEC(08)05 (TETRA, TETRAPOL, DMR, ...).
	3	Frequency band		
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density		
	8	Channel access and occupation rules	Listen before transmit Control under a network	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference		
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	MSS Earth Stations	Sub-class 11	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Satellite Service	
	2	Application	Mobile Satellite Service Earth Stations	
	3	Frequency band	1 525.0 - 1 544.0 MHz 1 555.0 - 1 559.0 MHz 1 631.5 - 1 634.5 MHz 1 656.5 - 1 660.5 MHz	receive 1 (space-to-Earth); receive 2 (space-to-Earth); transmit 1 (Earth-to-space); transmit 2 (Earth-to-space); The use of the bands 1 544 - 1 545 MHz (space-to-Earth) and 1 645.5 - 1 646.5 MHz (Earth-to-space) is limited to distress and safety communications.
	4	Channelling	defined by the satellite network operator	
	5	Modulation / Occupied bandwidth	defined by the satellite network operator	
	6	Direction / Separation	defined by the satellite network operator	
	7	Transmit power / Power density	148 dBpW 177 - 25 log (φ) dBpW 130 dBpW	for $\varphi < 40^\circ$; for $40^\circ < \varphi < 75^\circ$; for $\varphi > 75^\circ$; (φ is the angle, in degrees, between the main beam axis and the direction considered)
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative	12	Planned changes		
	13	Reference	ECC/DEC/(07)04, ECC/DEC/(07)05 ITU RR 5.356 and 5.208B	

		EN 301 444 and EN 301 681	
14	Notification number		
15	Remarks		

European Union	Radio Interface Specification	MSS Earth Stations	Sub-class 12	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile-Satellite Service	
	2	Application	Mobile Satellite Service Earth Stations	
	3	Frequency band	10.70 - 11.70 GHz 12.50 - 12.75 GHz 14.00 - 14.25 GHz	(space-to-Earth) (space-to-Earth) (Earth to space)
	4	Channelling	defined by the satellite network operator	
	5	Modulation / Occupied bandwidth	defined by the satellite network operator	
	6	Direction / Separation	defined by the satellite network operator	
	7	Transmit power / Power density	33-25 log($\varphi + \delta\varphi$)-10 log(K) dBW/40kHz where $2.5^\circ \leq \varphi + \delta\varphi \leq 7.0^\circ$ +12-10 log(K) dBW/40kHz where $7.0^\circ < \varphi + \delta\varphi \leq 9.2^\circ$; 36-25 log($\varphi + \delta\varphi$)-10 log(K) dBW/40kHz where $9.2^\circ < \varphi + \delta\varphi \leq 48^\circ$ -6-10 log(K) dBW/40 kHz where $48^\circ < \varphi + \delta\varphi \leq 180^\circ$	φ is the angle, in degrees, between the main beam axis and the direction considered. K is the power density ratio between the fully loaded system and a single LMES measured in a 40 kHz bandwidth
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	ERC/DEC/(98)15 ERC, ECC/DEC/(05)10 and ECC/DEC/(05)11 EN 301 427 EN 302 186	

	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	MSS Earth Stations	Sub-class 14	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile-Satellite Service	
	2	Application	Mobile Satellite Service Earth Stations	
	3	Frequency band	1 610 - 1 613.5 MHz 1 613.8 - 1 626.5 MHz 2 483.5 - 2 500 MHz	transmit (Earth-to-space) receive (space-to-Earth) receive (space-to-Earth)
	4	Channelling	defined by the satellite network operator	
	5	Modulation / Occupied bandwidth	defined by the satellite network operator	
	6	Direction / Separation	defined by the satellite network operator	
	7	Transmit power / Power density	-3 dB (W/4 kHz), (mean limit) -15 dB (W/4 kHz), (peak limit)	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	ECC/DEC/(07)04, ECC/DEC/(07)05 EN 301 441 and EN 301 473	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	MSS Earth Stations	Sub-class 15	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile-Satellite Service	
	2	Application	Mobile Satellite Service Earth Stations	
	3	Frequency band	1 980 - 2 010 MHz 2 170 - 2 200 MHz	transmit (Earth-to-space); receive (space-to-Earth);
	4	Channelling	defined by the satellite network operator	
	5	Modulation / Occupied bandwidth	defined by the satellite network operator	
	6	Direction / Separation	defined by the satellite network operator	
	7	Transmit power / Power density	defined by the satellite network operator	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 301 442, EN 301 473 and EN 302 574 Commission Decision 2007/98/EC	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	MSS Earth Stations	Sub-class 16	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile-Satellite Service	
	2	Application	Mobile Satellite Service Earth Stations	Low data rate LMES applications
	3	Frequency band	1 525.0 MHz - 1 544.0 MHz 1 555.0 MHz - 1 559.0 MHz 1 626.5 MHz - 1 645.5 MHz 1 656.5 MHz - 1 660.5 MHz	receive 1 (space-to-Earth); receive 2 (space-to-Earth); transmit 1 (Earth-to-space); transmit 2 (Earth-to-space); The use of the bands 1 544 - 1 545 MHz (space-to-Earth) and 1 645.5 - 1 646.5 MHz (Earth-to-space) is limited to distress and safety communications.
	4	Channelling	defined by the satellite network operator	
	5	Modulation / Occupied bandwidth	defined by the satellite network operator	
	6	Direction / Separation	defined by the satellite network operator	
	7	Transmit power / Power density	defined by the satellite network operator	
	8	Channel access and occupation rules	defined by the satellite network operator	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	ITU RR 5.208B EN 301 426	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	DECT	Sub-class 18	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	DECT	
	3	Frequency band	1880 - 1900 MHz	
	4	Channelling	1728 kHz	
	5	Modulation / Occupied bandwidth	See EN 301 406	
	6	Direction / Separation	TDD	See EN 301 406
	7	Transmit power / Power density	250 mW peak e.r.p. (peak radiated power over time-slot)	Type of Antenna: integral or dedicated
	8	Channel access and occupation rules	Instant Dynamic Channel Selection	See EN 301 406
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 301 406 Council Directive 91/287/EEC	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 19	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	40.660 - 40.700 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 20	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	433.050 - 434.790 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 10 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 21	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	2 400 - 2 483.5 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 440 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Wideband Data Transmission Systems	Sub-class 22	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Wideband Data Transmission Systems	
	3	Frequency band	2400 - 2483.5 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW eirp and 100 mW/100 kHz e.i.r.p. density applies when frequency hopping modulation is used, 10 mW/MHz e.i.r.p. density applies when other types of modulation are used	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 300 328 must be implemented	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 328 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 24	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	13 553 - 13 567 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 25	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	Including inductive applications
	3	Frequency band	26.957 - 27.283 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio determination applications	Sub-class 26	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Radio determination applications	
	3	Frequency band	2 400 - 2 483.5 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 mW e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 440 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 27	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	24.150 - 24.250 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 440 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 28	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	868.000 - 868.600 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 300 220-2 must be used. Alternatively a duty cycle limit of 1 % may also be used	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 29	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	868.700 - 869.200 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 300 220-2 must be used. Alternatively a duty cycle limit of 0.1 % may also be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 30	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	869.400 - 869.650 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	500 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 300 220-2 must be used. Alternatively a duty cycle limit of 10 % may also be used	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 31	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	Audio and video applications are excluded
	3	Frequency band	869.700 - 870.000 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	5 mW e.r.p.	
	8	Channel access and occupation rules	Voice applications allowed with advanced mitigation techniques	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Alarms	Sub-class 32	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Alarms	
	3	Frequency band	868.600 - 868.700 MHz	
	4	Channelling	25 kHz The whole frequency band may also be used as a single channel for high- speed data transmission	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 1.0 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-3-2 EN 303 406 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Alarms	Sub-class 33	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Alarms	
	3	Frequency band	869.250 - 869.300 MHz	
	4	Channelling	25 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 0.1 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-3-2 EN 303 406 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Alarms	Sub-class 34	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Alarms	
	3	Frequency band	869.650 - 869.700 MHz	
	4	Channelling	25 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle ≤ 10 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-3-2 EN 303 406 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Social alarms	Sub-class 35	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Social alarms	Social alarm devices are used to assist elderly or disabled people when they are in distress.
	3	Frequency band	869.200 - 869.250 MHz	
	4	Channelling	25 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 0.1 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-3-1 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 36	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	9.000 - 59.750 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	72 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 37	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	59.750 - 60.250 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	42 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 39	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	60.250 - 74.750 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	72 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 40a	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	74.750 - 75.250 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	42 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 40b	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	75.250 - 77.250 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	72 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 40c	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	77.250 - 77.750 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	42 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 40d	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	77.750 - 90 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	72 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 40e	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	90 - 119 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	42 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 41	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	119 - 128.6 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	66 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 42a	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	128.6 - 129.6 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	42 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 42b	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	129.6 - 135 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	66 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 43	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	5 725 - 5 875 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 mW e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 440 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 44	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive devices	
	3	Frequency band	6765 - 6795 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	42 dB μ A/m at 10 metres	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 45	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	7 400 - 8 800 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	9 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Active medical implants	Sub-class 47	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Active medical implants	This category covers the radio part of active implantable medical devices, as defined in Council Directive 90/385/EEC of 20 June 1990 on the approximation of the laws of the Member States relating to active implantable medical devices (OJ L 189, 20.7.1990, p. 17)
	3	Frequency band	402 - 405 MHz	
	4	Channelling	Channel spacing: 25 kHz Individual transmitters may combine adjacent channels for increased bandwidth up to 300 kHz.	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 μ W e.r.p.	
	8	Channel access and occupation rules	Other techniques to access spectrum or mitigate interference, including bandwidths greater than 300 kHz, can be used provided they result at least in an equivalent performance to the techniques described in EN 301 839-2 to ensure compatible operation with the other users and in particular with meteorological radiosondes.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 301 839 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Wireless audio and multimedia applications	Sub-class 48	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Wireless audio and multimedia streaming applications	
	3	Frequency band	863 - 865 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 301 357 EN 300 422-1/-2/-3/-4 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Detection of avalanche victims	Sub-class 49	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Emergency detections of buried victims and valuable items	
	3	Frequency band	456.9-457.1 kHz	<i>Center frequency is 457 kHz</i>
	4	Channelling		
	5	Modulation / Occupied bandwidth	Unmodulated Continuous Wave (CW)	
	6	Direction / Separation		
	7	Transmit power / Power density	7 dB μ A/m at 10 m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements	According Decision 2001/148/EC	
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 718 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 50a	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	This set of usage conditions applies to ground based vehicle and infrastructure systems only
	3	Frequency band	76.0 - 77.0 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	55 dBm peak e.i.r.p. and 50 dBm mean e.i.r.p. and 23.5 dBm mean e.i.r.p. for pulse radars	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 301 091-1/-2/-3 must be used. Fixed transportation infrastructure radars have to be of a scanning nature in order to limit the illumination time and ensure a minimum silent time to achieve coexistence with automotive radar systems.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 301 091-1/-2/-3 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 50b	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	This set of usage conditions applies to obstacle detection systems for rotorcraft use only
	3	Frequency band	76.0 - 77.0 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	30 dBm peak e.i.r.p. and 3 dBm/MHz average	
	8	Channel access and occupation rules	≤ 56 %/s	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 303 360 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	PMR446	Sub-class 51	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	PMR446	Hand portable equipment (no base station or repeater use) with integral antennas only. This equipment operates in short range peer-to-peer mode and shall be used neither as a part of infrastructure network nor as a repeater.
	3	Frequency band	446.0 - 446.2 MHz	Carrier frequencies [MHz] for 12.5 kHz channeling: 446.006250; 446.018750; 446.031250; 446.043750; 446.056250; 446.068750; 446.081250; 446.093750; 446.106250; 446.118750; 446.131250; 446.143750; 446.156250; 446.168750; 446.181250; 446.193750 Carrier frequencies [MHz] for 6.25 kHz channeling: 446.003125; 446.009375; 446.015625; 446.021875; 446.028125; 446.034375; 446.040625; 446.046875; 446.053125; 446.059375; 446.065625; 446.071875; 446.078125; 446.084375; 446.090625; 446.096875; 446.103125; 446.109375; 446.115625; 446.121875; 446.128125; 446.134375; 446.140625; 446.146875; 446.153125; 446.159375; 446.165625; 446.171875; 446.178125; 446.184375; 446.190625; 446.196875.
	4	Channelling	6.25/12.5 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	500 mW e.r.p.	Integral antenna only
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 303 405 must be used	
	9	Authorisation regime		
	10	Additional essential requirements		

	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 303 405 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 52	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	Automotive Short Range Radars
	3	Frequency band	24.25 - 26.65 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	0 dBm/50 MHz peak e.i.r.p. - 41.3 dBm/MHz mean e.i.r.p. density	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 288 Commission Decision 2005/50/EC as amended by Commission Decision 2011/485/EU and Commission Decision 2017/2077/EU	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 53	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	Automotive Short Range Radars
	3	Frequency band	77 GHz - 81 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	55 dBm peak e.i.r.p. - 3 dBm/MHz mean e.i.r.p. density - 9 dBm/MHz mean e.i.r.p. density outside a vehicle resulting from the operation of one short-range radar	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 264 Commission Decision 2004/545/EC	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Wireless Access Systems including Radio Local Area Networks (WAS/RLANs)	Sub-class 54	Edition December 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service except aeronautical mobile service	
	2	Application	Wireless Access Systems including Radio Local Area Networks (WAS/RLANs)	Forbidden for communication between planes and earth stations.
	3	Frequency band	5 470 – 5 725 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	1 W mean e.i.r.p. 50 mW/MHz mean e.i.r.p. density in any 1 MHz band.	Devices shall employ transmitter power control (TPC), which provides, on average, a mitigation factor of at least 3 dB on the maximum permitted output power of the systems. If transmitter power control is not in use, the maximum permitted mean e.i.r.p. and the corresponding mean e.i.r.p. density limits shall be reduced by 3 dB.
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 301 893 must be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 301 893 Commission Decision 2007/90/EC amending Decision 2005/513/EC	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio Frequency Identification Devices	Sub-class 56	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Radio frequency identification (RFID)	
	3	Frequency band	865 - 868 MHz	Channel center frequencies for interrogators are: 865,7 MHz, 866,3 MHz, 866,9 MHz and 867,5 MHz.
	4	Channelling	200 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	2 W e.r.p.	For interrogators
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 302 208 must be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 208 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Equipment using Ultra-Wideband Technology	Sub-class 57b	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	UWB applications in automotive and railway vehicles	Equipment using ultra-wideband (UWB) technology means equipment incorporating, as an integral part or as an accessory, technology for short-range radiocommunication involving the intentional generation and transmission of radio-frequency energy that spreads over a frequency range wider than 50 MHz, which may overlap several frequency bands allocated to radiocommunication services.
	3	Frequency band	3.1 - 4.8 GHz 6.0 – 9.0 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	Maximum e.i.r.p. density (dBm/MHz) and maximum peak e.i.r.p. density (dBm/50MHz) limits as in the Annex of Commission implementing Decision (EU) 2019/785	
	8	Channel access and occupation rules	Appropriate mitigation techniques are described in the relevant harmonised standards EN 302 065-3 or other mitigation techniques on condition that it achieves at least an equivalent level of protection.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 065-3 Commission implementing Decision (EU) 2019/785	
	14	Notification number		

	15	Remarks		
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European Union	Radio Interface Specification	Equipment using Ultra-Wideband Technology	Sub-class 57c	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Material Sensing Devices (Building Material Analysis - BMA and Object Discrimination and Characterisation - ODC) using ultra-wideband technology	Equipment using ultra-wideband (UWB) technology means equipment incorporating, as an integral part or as an accessory, technology for short-range radiocommunication involving the intentional generation and transmission of radio-frequency energy that spreads over a frequency range wider than 50 MHz, which may overlap several frequency bands allocated to radiocommunication services.
	3	Frequency band	9 kHz - 3 000 GHz	Main operating frequency ranges : 2.2 - 8.5 GHz
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	Maximum e.i.r.p. density (dBm/MHz) and maximum peak e.i.r.p. density (dBm/50MHz) limits as in the Annex of Commission implementing Decision (EU) 2019/785.	
	8	Channel access and occupation rules	Appropriate mitigation techniques are described in the relevant harmonised standards EN 302 065-1, EN 302 065-4, EN 302 435-1 and EN 302 498-2 or other mitigation techniques on condition that it achieves at least an equivalent level of protection.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 065-1/-4, EN 302 435-1, EN 302 498-2 Commission implementing Decision (EU) 2019/785	
	14	Notification number		

	15	Remarks		
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European Union	Radio Interface Specification	Equipment using Ultra-Wideband Technology	Sub-class 57d	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Generic usage	Equipment using ultra-wideband (UWB) technology means equipment incorporating, as an integral part or as an accessory, technology for short-range radiocommunication involving the intentional generation and transmission of radio-frequency energy that spreads over a frequency range wider than 50 MHz, which may overlap several frequency bands allocated to radiocommunication services.
	3	Frequency band	3.1 - 4.8 GHz 6.0 – 9.0 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	Maximum e.i.r.p. density (dBm/MHz) and maximum peak e.i.r.p. density (dBm/50MHz) limits as in the Annex of Commission implementing Decision (EU) 2019/785.	
	8	Channel access and occupation rules	Appropriate mitigation techniques are described in the relevant harmonised standards EN 302 065-1 and EN 302 500-1 or other mitigation techniques on condition that it achieves at least an equivalent level of protection.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 065-1 and EN 302 500-1 Commission implementing Decision (EU) 2019/785	
	14	Notification number		

	15	Remarks		
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European Union	Radio Interface Specification	Equipment using Ultra-Wideband Technology	Sub-class 57e	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Location tracking systems	Equipment using ultra-wideband (UWB) technology means equipment incorporating, as an integral part or as an accessory, technology for short-range radiocommunication involving the intentional generation and transmission of radio-frequency energy that spreads over a frequency range wider than 50 MHz, which may overlap several frequency bands allocated to radiocommunication services.
	3	Frequency band	6 – 9 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	Maximum e.i.r.p. density (dBm/MHz) and maximum peak e.i.r.p. density (dBm/50MHz) limits as in the Annex of Commission implementing Decision (EU) 2019/785.	
	8	Channel access and occupation rules	Appropriate mitigation techniques are described in the relevant harmonised standards EN 302 065-2 or other mitigation techniques on condition that it achieves at least an equivalent level of protection.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 065-2 Commission implementing Decision (EU) 2019/785	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Equipment using Ultra-Wideband Technology	Sub-class 57f	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	UWB onboard aircrafts	Equipment using ultra-wideband (UWB) technology means equipment incorporating, as an integral part or as an accessory, technology for short-range radiocommunication involving the intentional generation and transmission of radio-frequency energy that spreads over a frequency range wider than 50 MHz, which may overlap several frequency bands allocated to radiocommunication services.
	3	Frequency band	6 – 6.65 GHz 6.6752 – 8.5 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	Maximum e.i.r.p. density (dBm/MHz) and maximum peak e.i.r.p. density (dBm/50MHz) limits as in the Annex of Commission implementing Decision (EU) 2019/785.	
	8	Channel access and occupation rules	Appropriate mitigation techniques are described in the relevant harmonised standards EN 302 065-5 or other mitigation techniques on condition that it achieves at least an equivalent level of protection.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 065-5 Commission implementing Decision (EU) 2019/785	
	14	Notification number		

	15	Remarks		
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European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 61	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	Audio and video applications are excluded
	3	Frequency band	433.050 - 434.040 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	1 mW e.r.p. - 13 dBm/10 kHz power density for bandwidth modulation larger than 250 kHz	
	8	Channel access and occupation rules	Voice applications allowed with advanced mitigation techniques	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 62	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	244 - 246 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 305 550 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Assistive Listening Devices	Sub-class 64	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Assistive Listening Devices	
	3	Frequency band	169.4875 - 169.5875 MHz	
	4	Channelling	max. 50 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	500 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 422-4 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 65	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	Voice applications are allowed with advanced mitigation techniques. Other audio and video applications are excluded
	3	Frequency band	434.04 - 434.79 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle of 100 % subject to channel spacing up to 25 kHz	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 66	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	863 - 865 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 300 220-2 must be used. Alternatively a duty cycle limit of 0.1 % may also be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 67	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	865 - 868 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 300 220-2 must be used. Alternatively a duty cycle limit of 1 % may also be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Assistive Listening DevicesAids	Sub-class 68	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Assistive Listening Devices	
	3	Frequency band	169.4 - 169.475 MHz	
	4	Channelling	max. 50 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	500 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 422-4 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 69	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	869.7 - 870 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 300 220-2 must be used. Alternatively a duty cycle limit of 1 % may also be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 71	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	61.0 - 61.5 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 305 550 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Alarms	Sub-class 72	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Alarms	
	3	Frequency band	869.300 - 869.400 MHz	
	4	Channelling	25 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle ≤ 1.0 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-3-2 EN 303 406 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 73	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	140 - 148.5 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	37.7 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 74	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	148.5 - 5 000 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	- 15 dB μ A/m at 10 metres in any bandwidth of 10 kHz Furthermore the total magnetic field strength is - 5 dB μ A/m at 10 m for systems operating at bandwidths larger than 10 kHz	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 EN 302 536 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 75	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	This set of usage conditions applies to Radio Frequency Identification (RFID).
	3	Frequency band	400 - 600 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	- 8 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 76	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	3 155 - 3 400 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	13.5 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 77	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	5 - 30 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	- 20 dB μ A/m at 10 metres in any bandwidth of 10 kHz Furthermore the total magnetic field strength is - 5 dB μ A/m at 10 m for systems operating at bandwidths larger than 10 kHz	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 78	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	10 200 - 11 000 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	9 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 79	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	This set of usage conditions applies to Radio Frequency Identification (RFID).
	3	Frequency band	13 553 - 13 567 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	60 dB μ A/m at 10m	The transmission mask and antenna requirements for all combined frequency segments have to provide at least equivalent performance to the techniques described in harmonised standards EN 300 330.
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 80	Edition July 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	169.4 - 169.475 MHz	
	4	Channelling	Max 50 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	500 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 1%	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Active medical implants	Sub-class 81	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Active medical implants	This category covers the radio part of active implantable medical devices, as defined in Council Directive 90/385/EEC of 20 June 1990 on the approximation of the laws of the Member States relating to active implantable medical devices (OJ L 189, 20.7.1990, p. 17).
	3	Frequency band	9 - 315 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	30 dB μ A/m at 10m	
	8	Channel access and occupation rules	Duty cycle \leq 10 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 195 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Active medical implants	Sub-class 82	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Active medical implants	This category covers the radio part of active implantable medical devices, as defined in Council Directive 90/385/EEC of 20 June 1990 on the approximation of the laws of the Member States relating to active implantable medical devices (OJ L 189, 20.7.1990, p. 17). This set of usage conditions applies to ultra low power medical membrane implants for blood pressure measurements only
	3	Frequency band	30.0 - 37.5 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	1 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle ≤ 10 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 510 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Active medical implants and associated peripherals	Sub-class 83	Edition November June 2017
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Active medical implants and associated peripherals	This category covers systems specifically designed for the purpose of providing non-voice digital communications between active medical implants, and/or body-worn devices and other devices external to the human body used for transferring non-time critical individual patient-related physiological information.
	3	Frequency band	401 - 402 MHz	
	4	Channelling	Channel spacing: 25 kHz Individual transmitters may combine adjacent channels for increased bandwidth up to 100 kHz.	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 μ W e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 302 537 must be used. Alternatively a duty cycle limit of 0,1 % may also be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 537 Commission Decision 2006/771/EC as amended	
	14	Notification number		

	15	Remarks		
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European Union	Radio Interface Specification	Active medical implants and associated peripherals	Sub-class 84	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Active medical implants and associated peripherals	This category covers systems specifically designed for the purpose of providing non-voice digital communications between active medical implants, and/or body-worn devices and other devices external to the human body used for transferring non-time critical individual patient-related physiological information.
	3	Frequency band	405 - 406 MHz	
	4	Channelling	Channel spacing: 25 kHz Individual transmitters may combine adjacent channels for increased bandwidth up to 100 kHz.	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	25 μ W e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 302 537 must be used. Alternatively a duty cycle limit of 0.1 % may also be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 537 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Low power FM transmitters	Sub-class 86	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Low power FM transmitters	This category includes applications which connect personal audio devices, including mobile phones, and the automotive or home entertainment system.
	3	Frequency band	87.5 - 108.0 MHz	
	4	Channelling	Channel spacing up to 200 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	50 nW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 301 357 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio determination applications	Sub-class 88	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Radio determination applications	This category covers applications used for determining the position, velocity and/or other characteristics of an object, or for obtaining information relating to these parameters. This set of usage conditions applies to ground-based systems only.
	3	Frequency band	17.1 - 17.3 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	26 dBm e.i.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 300 440 must be used	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 440 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio determination devices	Sub-class 89	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Tank level probing radar	Tank level probing radars (TLPR) are a specific type of radio-determination application, which are used for tank level measurements and are installed in metallic or reinforced concrete tanks, or similar structures made of material with comparable attenuation characteristics. The purpose of the tank is to contain a substance.
	3	Frequency band	4.5 - 7.0 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	24 dBm e.i.r.p.	The power limit applies inside a closed tank and corresponds to a spectral density of - 41.3 dBm/MHz e.i.r.p. outside a 500 litre test tank.
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 302 372 must be used	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 372 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio determination devices	Sub-class 90	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Tank level probing radar	Tank level probing radars (TLPR) are a specific type of radio-determination application, which are used for tank level measurements and are installed in metallic or reinforced concrete tanks, or similar structures made of material with comparable attenuation characteristics. The purpose of the tank is to contain a substance.
	3	Frequency band	8.5 - 10.6 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	30 dBm e.i.r.p.	The power limit applies inside a closed tank and corresponds to a spectral density of - 41.3 dBm/MHz e.i.r.p. outside a 500 litre test tank.
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 302 372 must be used	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 372 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio determination devices	Sub-class 91	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Tank level probing radar	Tank level probing radars (TLPR) are a specific type of radio-determination application, which are used for tank level measurements and are installed in metallic or reinforced concrete tanks, or similar structures made of material with comparable attenuation characteristics. The purpose of the tank is to contain a substance.
	3	Frequency band	24.05 - 27.0 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	43 dBm e.i.r.p.	The power limit applies inside a closed tank and corresponds to a spectral density of - 41.3 dBm/MHz e.i.r.p. outside a 500 litre test tank.
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 302 372 must be used	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 372 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio determination devices	Sub-class 92	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Tank level probing radar	Tank level probing radars (TLPR) are a specific type of radio-determination application, which are used for tank level measurements and are installed in metallic or reinforced concrete tanks, or similar structures made of material with comparable attenuation characteristics. The purpose of the tank is to contain a substance.
	3	Frequency band	57.0 - 64.0 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	43 dBm e.i.r.p.	The power limit applies inside a closed tank and corresponds to a spectral density of - 41.3 dBm/MHz e.i.r.p. outside a 500 litre test tank.
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 302 372 must be used	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 372 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio determination devices	Sub-class 93	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Tank level probing radar	Tank level probing radars (TLPR) are a specific type of radio-determination application, which are used for tank level measurements and are installed in metallic or reinforced concrete tanks, or similar structures made of material with comparable attenuation characteristics. The purpose of the tank is to contain a substance.
	3	Frequency band	75.0 - 85.0 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	43 dBm e.i.r.p.	The power limit applies inside a closed tank and corresponds to a spectral density of - 41.3 dBm/MHz e.i.r.p. outside a 500 litre test tank.
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 302 372 must be used	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 372 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Model control	Sub-class 94	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Model control	This category covers applications used to control the movement of models (principally miniature representations of vehicles) in the air, on land or over or under the water surface.
	3	Frequency band	26 990 - 27 000 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Model control	Sub-class 95	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Model control	This category covers applications used to control the movement of models (principally miniature representations of vehicles) in the air, on land or over or under the water surface.
	3	Frequency band	27 040 - 27 050 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Model control	Sub-class 96	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Model control	This category covers applications used to control the movement of models (principally miniature representations of vehicles) in the air, on land or over or under the water surface.
	3	Frequency band	27 090 - 27 100 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Model control	Sub-class 97	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Model control	
	3	Frequency band	27 140 - 27 150 kHz	This category covers applications used to control the movement of models (principally miniature representations of vehicles) in the air, on land or over or under the water surface.
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Model control	Sub-class 98	Edition June 2012
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Model control	This category covers applications used to control the movement of models (principally miniature representations of vehicles) in the air, on land or over or under the water surface.
	3	Frequency band	27 190 - 27 200 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio frequency identification	Sub-class 100	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Radio frequency identification (RFID)	
	3	Frequency band	2 446 - 2 454 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	500 mW e.i.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 300 440 must be used	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 440 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 101	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	
	3	Frequency band	24.050 - 24.075 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 858 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 102	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	
	3	Frequency band	24.075 - 24.150 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	0.1 mW e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 858 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 103	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	This set of usage conditions applies to ground-based vehicle radars only
	3	Frequency band	24.075 - 24.150 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth	Frequency modulation range apply as specified in harmonised standards	
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 302 858 must be used Dwell time limits apply as specified in harmonised standards	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 858 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 104	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	
	3	Frequency band	24.150 - 24.250 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 858 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 105	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	This set of usage conditions applies to vehicle-to-vehicle, vehicle-to-infrastructure and infrastructure-to-vehicle systems only
	3	Frequency band	63.72 – 65.88 GHz	TTT devices placed on the market before the 1 January 2020 are “grandfathered”, i.e. they are permitted to use the previous frequency range 63- 64 GHz, and otherwise the same conditions apply.
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	40 dBm e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 686 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 106	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	135 - 140 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	42 dB μ A/m at 10m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 107a	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	122 – 122.25 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 dBm e.i.r.p./250 MHz and – 48 dBm/MHz at 30° elevation	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 305 550 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 107b	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	122.25 – 123 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 305 550 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 108	Edition July 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Road transport and traffic telematics	On-Board Units (OBU)
	3	Frequency band	5 725 - 5 875 MHz	
	4	Channelling	500 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	-14 dBm e.i.r.p.	
	8	Channel access and occupation rules	according to EN 12253	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions	EN 12253	
Informative part	12	Planned changes		
	13	Reference	EN 300 674-2-2 Directive 2004/52/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 109	Edition July 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	This set of usage conditions is for Eurobalise transmissions in the presence of trains and using the 27 MHz band for telepowering.
	3	Frequency band	984 – 7 484 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	9 dB μ A/m at 10 m	
	8	Channel access and occupation rules	Duty cycle \leq 1%	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 608 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 110	Edition July 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	This set of usage conditions is for Euroloop transmissions in the presence of trains and using the 27 MHz band for telepowering.
	3	Frequency band	7 300 – 23 000 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	-7 dB μ A/m at 10 m	Antenna restrictions apply as specified in the harmonised standard EN 302 609.
	8	Channel access and occupation rules	Duty cycle \leq 1%	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 609 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Inductive applications	Sub-class 116	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Inductive applications	
	3	Frequency band	13 553 – 13 567 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	42 dB μ A/m at 10m	The transmission mask and antenna requirements for all combined frequency segments have to provide at least equivalent performance to the techniques described in harmonised standards EN 300 330.
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Active medical implants	Sub-class 117	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Active medical implants	This set of usage conditions is for active implantable medical devices. Peripheral master units are not covered by this template.
	3	Frequency band	2 483.5 - 2 500 MHz	
	4	Channelling	1 MHz The whole frequency band may also be used dynamically as a single channel for high-speed data transmissions.	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.i.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in EN 301 559 must be used. Duty cycle limit of 10 % .	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 301 559 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 118	Edition July 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	26 990 - 27 000 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 0.1 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 119	Edition July 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	27 040 - 27 050 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 0.1 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 120	Edition July 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	27 090 - 27 100 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 0.1 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 121	Edition July 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	27 140 - 27 150 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 0.1 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 122	Edition July 2014
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	27 190 - 27 200 kHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 0.1 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Metering Devices	Sub-class 123	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Metering Devices	
	3	Frequency band	169.4 - 169.475 MHz	
	4	Channelling	max. 50 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	500 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle \leq 10%	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-4 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 124	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	169.4875 - 169.5875 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle limit of 0.001 %. Between 00:00h and 06:00h local time a duty cycle limit of 0.1 % may be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 126	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	57 - 64 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	100 mW e.i.r.p.and maximum transmit power of 10dBm	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 305 550 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Radio determination devices	Sub-class 127	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Level probing radar	
	3	Frequency band	57 - 64 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	35 dBm/50 MHz peak e.i.r.p. and -2 dBm/MHz mean e.i.r.p. Automatic power control and antenna requirements as well as equivalent techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 302 729 must be used.	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 729 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 128	Edition Januar 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	169.4 - 169.4875 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle limit of 0.1 %.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2	
	14	Notification number		
	15	Remarks	Commission Decision 2006/771/EC as amended	

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 129	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	169.5875 - 169.8125 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle limit of 0.1 %.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2	
	14	Notification number		
	15	Remarks	Commission Decision 2006/771/EC as amended	

European Union	Radio Interface Specification	Assistive Listening Devices	Sub-class 131	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Assistive Listening Devices	
	3	Frequency band	173.965 - 216 MHz	Devices shall implement the whole frequency range on a tuning range basis. A threshold of 35 dB μ V/m is required to ensure the protection of a DAB receiver located at 1,5 m from the ALD device, subject to DAB signal strength measurements taken around the ALD operating site. The ALD device should operate under all circumstances at least 300 kHz away from the channel edge of an occupied DAB channel.
	4	Channelling	max. 50 kHz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	10 mW e.r.p.	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 300 422-4 must be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 422-4 Commission Decision 2006/771/EC as amended	
	14	Notification number		

	15	Remarks		
European Union		Radio Interface Specification	Wideband Data Transmission Systems	Sub-class 132
				Edition January 2018

	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Wideband Data Transmission Systems	This set of usage conditions is only available for wideband SRDs in data networks.
	3	Frequency band	863 - 868 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth	Bandwidth: ≤ 1 MHz.	
	6	Direction / Separation		
	7	Transmit power / Power density	25 mW erp	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standards adopted under Directive 2014/53/EU must be used. Duty cycle: ≤ 10 % for network access points Duty cycle: $\leq 2,8$ % otherwise.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Wideband Data Transmission Systems	Sub-class 133	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-specific short- range devices	This set of usage conditions is only available for data networks
	3	Frequency band	865 - 868 MHz	Transmissions only permitted within the bands 865,6- 865,8 MHz, 866,2-866,4 MHz, 866,8-867,0 MHz and 867,4- 867,6 MHz.
	4	Channelling		
	5	Modulation / Occupied bandwidth	Bandwidth: ≤ 200 kHz.	
	6	Direction / Separation		
	7	Transmit power / Power density	500 mW erp	Adaptive Power Control (APC) required. Alternatively other mitigation technique with at least an equivalent level of spectrum compatibility.
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 303 204 must be used. Duty cycle : ≤ 10 % for network access points Duty cycle : $\leq 2,5$ % otherwise.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 134	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	This set of usage conditions applies only to road tolling applications and smart tachograph, weight and dimension applications.
	3	Frequency band	5 795 - 5 815 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	2 W e.i.r.p	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 300 674-2-1 must be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 674-2-1 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 135	Edition January 2018
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Intelligent Transport Systems (ITS)	This subclass is for vehicle to vehicle safety related communication.
	3	Frequency band	5 875 - 5 905 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	33 dBm mean e.i.r.p 23 dBm / MHz	Transmit power control range of at least 30 dB.
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 302 571 and EN 302 663 must be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 571 EC Decision 2008/671/EC	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non- specific short range devices	Sub-class 136	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non- specific short range devices	This subclass is only available for person detection and collision avoidance devices.
	3	Frequency band	442,2 - 450,0 kHz	
	4	Channelling	≥ 150 Hz	
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	7 dBμA/m at 10 m	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 330 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Medical data acquisition devices	Sub-class 137	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Medical data acquisition devices	This subclass is only available for Ultra-Low Power Wireless Medical Capsule Endoscopy (ULP- WMCE) applications.
	3	Frequency band	430 - 440 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	– 50 dBm/100kHz e.r.p. power density but not exceeding a total power of – 40 dBm/10MHz (both limits are intended for measurement outside of the patient's body)	
	8	Channel access and occupation rules		
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 303 520 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Non-Specific Short Range Devices	Sub-class 138	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Non-Specific Short Range Devices	
	3	Frequency band	862 – 863 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth	Bandwith : ≤ 350 kHz	
	6	Direction / Separation		
	7	Transmit power / Power density	25 mW e.r.p.	
	8	Channel access and occupation rules	Duty cycle : ≤ 0.1 %	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 300 220-2 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 139	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	This set of usage conditions applies only to vehicle-to-vehicle, vehicle-to-infrastructure and infrastructure-to-vehicle systems.
	3	Frequency band	5 855 - 5 865 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	33 dBm e.i.r.p., 23 dBm/MHz e.i.r.p. density and a Transmit Power Control (TPC) range of 30 dB	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 302 571 and EN 302 663 must be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 571 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Transport and traffic telematics	Sub-class 140	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Transport and traffic telematics	This set of usage conditions applies only to vehicle-to-vehicle, vehicle-to-infrastructure and infrastructure-to-vehicle systems.
	3	Frequency band	5 865 - 5 875 MHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	33 dBm e.i.r.p., 23 dBm/MHz e.i.r.p. density and a Transmit Power Control (TPC) range of 30 dB	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 302 571 and EN 302 663 must be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 571, EN 302 663 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Wideband Data Transmission Systems	Sub-class 141	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Wideband Data Transmission Systems	Fixed outdoor installations are excluded.
	3	Frequency band	57 – 71 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	40 dBm e.i.r.p. and 23 dBm/MHz e.i. r.p. density	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 302 567 must be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 567 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Wideband Data Transmission Systems	Sub-class 142	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Wideband Data Transmission Systems	
	3	Frequency band	57 – 71 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	40 dBm e.i.r.p., 23 dBm/MHz e.i.r.p. density and maximum transmit power of 27 dBm at the antenna port or ports	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 302 567 must be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 567 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		

European Union	Radio Interface Specification	Wideband Data Transmission Systems	Sub-class 143	Edition January 2020
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Mobile Service	
	2	Application	Wideband Data Transmission Systems	This set of usage conditions is only available to fixed outdoor installations.
	3	Frequency band	57 – 71 GHz	
	4	Channelling		
	5	Modulation / Occupied bandwidth		
	6	Direction / Separation		
	7	Transmit power / Power density	55 dBm e.i.r.p., 38 dBm/MHz e.i.r.p. density and a transmit antenna gain ≥ 30 dBi	
	8	Channel access and occupation rules	Techniques to access spectrum and mitigate interference that provide at least equivalent performance to the techniques described in harmonised standard EN 302 567 must be used.	
	9	Authorisation regime		
	10	Additional essential requirements		
	11	Frequency planning assumptions		
Informative part	12	Planned changes		
	13	Reference	EN 302 567 Commission Decision 2006/771/EC as amended	
	14	Notification number		
	15	Remarks		