# Publication in accordance with Article 1(3) of Commission Decision 2000/299/EC (Version December 2014)

In accordance with Article 1(3) of Commission Decision 2000/299/EC[1] the table below contains a list of equipment falling within the scope of 'Class 1'[2].

| Subclass of Class 1[3] | Application | Frequency band(s) | Comments |
|---|---|---|---|
| 01 | ISDN (ISDN Basic Rate, ISDN Primary Rate, ISDN U, Broadband ISDN ATM)<br>No description | | |
| 07 | Receive-only radio equipment | 9 kHz - 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 | | |
| 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 | |
| 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 | |
| 20 | Non- specific short range devices | 433.050 - 434.790 MHz | |
| 21 | Non- specific short range devices | 2 400 - 2 483.5 MHz | |
| 22 | Wideband Data Transmission Systems | 2400 - 2483.5 MHz | |
| 24 | Non- specific short range devices | 13 553 - 13 567 kHz | |
| 25 | Non- specific short range devices | 26.957 - 27.283 MHz | |
| 26 | Radio determination applications | 2400 - 2483.5 MHz | |
| 27 | Non- specific short range devices | 24.150 - 24.250 GHz | |
| 28 | Non- specific short range devices | 868.000 - 868.600 MHz | |
| 29 | Non- specific short range devices | 868.700 - 869.200 MHz | |
| 30 | Non- specific short range devices | 869.400 - 869.650 MHz | Rev. of ed. June 2012 |

[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

| | | | |
|---|---|---|---|
| 31 | Non- specific short range devices | 869.700 - 870.000 MHz | |
| 32 | Alarms | 868.600 - 868.700 MHz | |
| 33 | Alarms | 869.250 - 869.300 MHz | |
| 34 | Alarms | 869.650 - 869.700 MHz | |
| 35 | Social alarms | 869.200 - 869.250 MHz | |
| 36 | Inductive applications | 9.000 - 59.750 kHz | |
| 37 | Inductive applications | 59.750 - 60.250 kHz | |
| 39 | Inductive applications | 60.250 - 74.750 kHz | |
| 40a | Inductive applications | 74.750 - 75.250 kHz | |
| 40b | Inductive applications | 75.250 - 77.250 kHz | |
| 40c | Inductive applications | 77.250 - 77.750 kHz | |
| 40d | Inductive applications | 77.750 - 90 kHz | |
| 40e | Inductive applications | 90 - 119 kHz | |
| 41 | Inductive applications | 119 - 128.6 kHz | |
| 42a | Inductive applications | 128.6 - 129.6 kHz | |
| 42b | Inductive applications | 129.6 - 135 kHz | |
| 43 | Non- specific short range devices | 5 725 - 5 875 MHz | |
| 44 | Non- specific short range devices | 6765 - 6795 kHz | |
| 45 | Inductive applications | 7 400 - 8 800 kHz | |
| 47 | Active medical implants | 402 - 405 MHz | |
| 48 | Wireless audio and multimedia streaming applications | 863 - 865 MHz | Rev. of ed. June 2012 |
| 49 | Detection of avalanche victims | 457 kHz | |
| 50 | Transport and traffic telematics | 76 - 77 GHz | Rev. of ed. June 2012 |
| 51 | PMR446 Analog | 446.0 - 446.1 MHz | |
| 52 | Transport and traffic telematics | 21.65 - 26.65 GHz | Rev. of ed. June 2012 |
| 53 | Transport and traffic telematics | 77 - 81 GHz | Rev. of ed. June 2012 |
| 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 | |
| 57a | Equipment using Ultra-Wideband Technology | 9 kHz - 3 000 GHz | Replaced by subclass H02a-f on July 2014 |
| 57b | Equipment using Ultra-Wideband Technology | 4.2 - 4.8 GHz and 6.0 - 8.5 GHz | |
| 57c | Equipment using Ultra-Wideband Technology | 9 kHz - 3 000 GHz | |
| 61 | Non- specific short range devices | 433.050 - 434.040 MHz | |
| 62 | Non- specific short range devices | 244 - 246 GHz | |
| 63 | Non- specific short range devices | 434.040 - 434.790 MHz | |
| 64 | Assistive Listening Devices | 169.4875 MHz - 169.5875 MHz | Rev. of ed. June 2012 |
| 65 | Non-specific short range devices | 434.040 - 434.790 MHz | |
| 66 | Non- specific short range devices | 863.000 - 865.000 MHz | |
| 67 | Non- specific short range devices | 865.000 - 868.000 MHz | |
| 68 | Assistive Listening Devices | 169.4 - 169.475 MHz | Rev. of ed. June 2012 |
| 69 | Non- specific short range devices | 869.700 - 870.000 MHz | |
| 70 | Social alarms | 169.5875 - 169.6 MHz | |
| 71 | Non- specific short range devices | 61.0 - 61.5 GHz | |
| 72 | Alarms | 869.300 - 869.400 MHz | |

| | | | |
|---|---|---|---|
| 73 | Inductive applications | 140 - 148.5 kHz | |
| 74 | Inductive applications | 148.5 - 5 000 kHz | |
| 75 | Inductive applications | 400 - 600 kHz | |
| 76 | Inductive applications | 3 155 - 3 400 kHz | |
| 77 | Inductive applications | 5 000 - 30 000 kHz | |
| 78 | Inductive applications | 10 200 - 11 000 kHz | Rev. of ed. June 2012 |
| 79 | Inductive applications | 13 553 - 13 567 kHz | |
| 80 | Non- specific short range devices | 169.4 - 169.475 MHz | Rev. of ed. June 2012 |
| 81 | Active medical implants | 9 - 315 kHz | |
| 82 | Active medical implants | 30.0 - 37.5 MHz | |
| 83 | Active medical implants and associated peripherals | 401 - 402 MHz | |
| 84 | Active medical implants and associated peripherals | 405 - 406 MHz | |
| 85 | Animal implantable devices | 315 - 600 kHz | |
| 86 | Low power FM transmitters | 87.5 - 108 MHz | |
| 87 | Social alarms | 169.475 - 169.4875 MHz | Replaced by subclass 128 on July 2014 |
| 88 | Radio determination applications | 17.1 - 17.3 GHz | |
| 89 | Radio determination devices | 4.5 - 7 GHz | Rev. of ed. June 2012 |
| 90 | Radio determination devices | 8.5 - 10.6 GHz | Rev. of ed. June 2012 |
| 91 | Radio determination devices | 24.05 - 27.0 GHz | Rev. of ed. June 2012 |
| 92 | Radio determination devices | 57.0 - 64.0 GHz | Rev. of ed. June 2012 |
| 93 | Radio determination devices | 75.0 - 85.0 GHz | Rev. of ed. June 2012 |
| 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 | |
| 100 | Radio frequency identification | 2 446 - 2 454 MHz | |
| 101 | Transport and traffic telematics | 24.050 - 24.075 GHz | Rev. of ed. June 2012 |
| 102 | Transport and traffic telematics | 24.075 - 24.150 GHz | Rev. of ed. June 2012 |
| 103 | Transport and traffic telematics | 24.075 - 24.150 GHz | Rev. of ed. June 2012 |
| 104 | Transport and traffic telematics | 24.150 - 24.250 GHz | Rev. of ed. June 2012 |
| 105 | Transport and traffic telematics | 63 - 64 GHz | Rev. of ed. June 2012 |
| 106 | Inductive applications | 135 - 140 kHz | |
| 107 | Non- specific short range devices | 122 - 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 | |

| | | | |
|---|---|---|---|
| 112 | Transport and traffic telematics | 24.25 - 24.5 GHz | |
| 113 | Transport and traffic telematics | 24.495 - 24.5 GHz | |
| 114 | Inductive applications | 6 765 – 6 795 kHz | |
| 115 | Inductive applications | 26 957 – 27 283 kHz | |
| 116 | Inductive applications | 13 553 – 13 567 kHz | |
| 117 | Active medical implants | 2 483.5 - 2 500 MHz | |
| 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 | |
| 124 | Non-Specific Short Range Devices | 169.4875 - 169.5875 MHz | |
| 125 | Non-Specific Short Range Devices | 434.04 - 434.79 MHz | |
| 126 | Non-Specific Short Range Devices | 57 - 64 GHz | |
| 127 | Radio determination devices | 57 - 64 GHz | |
| 128 | Non-Specific Short Range Devices | 169.4 - 169.4875 MHz | |
| 129 | Non-Specific Short Range Devices | 169.5875 - 169.8125 MHz | |
| 130 | Non- specific short range devices | 869.400 - 869.650 MHz | |

| 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<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service<br>Mobile-Satellite Service | |
| | 2 | **Application** | Mobile terminals<br>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 eg., 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<br>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<br>July 2014 |
|---|---|---|---|---|

| | 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/(11)04 (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<br>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<br>June 2012 |
|---|---|---|---|---|

| | 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<br>1 555.0 - 1 559.0 MHz<br>1 631.5 - 1 634.5 MHz<br>1 656.5 - 1 660.5 MHz | receive 1 (space-to-Earth);<br>receive 2 (space-to-Earth);<br>transmit 1 (Earth-to-space);<br>transmit 2 (Earth-to-space);<br>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<br>177 - 25 log (φ) dBpW<br>130 dBpW | for $\varphi < 40°$;<br>for $40° < \varphi < 75°$;<br>for $\varphi > 75°$;<br>(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 part** | **12** | **Planned changes** | | |
| | **13** | **Reference** | ECC/DEC/(07)04, ECC/DEC/(07)05<br>ITU RR 5.356 and 5.208B<br>EN 301 444 and EN 301 681 | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | MSS Earth Stations | Sub-class 12 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>12.50 - 12.75 GHz<br>14.00 - 14.25 GHz | (space-to-Earth)<br>(space-to-Earth)<br>(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(φ + δφ)-10 log(K) dBW/40kHz where 2.5° ≤φ+ δφ ≤7.0°<br>+12-10 log(K) dBW/40kHz where 7.0° < φ + δφ ≤ 9.2°;<br>36-25 log(φ + δφ )-10 log(K) dBW/40kHz where 9.2° <φ + δφ ≤ 48°<br>-6-10 log(K) dBW/40 kHz where 48° <φ + δφ ≤180° | φ is the angle, in degrees, between the main beam axis and the direction considered.<br>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** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **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<br>EN 301 427<br>EN 302 186 | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | PPDR end-user equipment | Sub-class 13 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Public Protection and Disaster Relief (PPDR) | Public Protection and Disaster Relief end user terminals. Network stations without DMO. |
| | 3 | **Frequency band** | 380 - 385 MHz<br>390 - 395 MHz | |
| | 4 | **Channelling** | 25 kHz | |
| | 5 | **Modulation / Occupied bandwidth** | π/4 shifted Differential Quaternary Phase Shift Keying“ (π/4 DQPSK) | |
| | 6 | **Direction / Separation** | | |
| | 7 | **Transmit power / Power density** | 45 dBm (30W)<br>40 dBm (10W)<br>35 dBm (3W)<br>30 dBm (1W) | power class 1<br>power class 2<br>power class 3<br>power class 4 |
| | 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 302 561 | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | MSS Earth Stations | Sub-class 14 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>1 613.8 - 1 626.5 MHz<br>2 483.5 - 2 500 MHz | transmit (Earth-to-space)<br>receive (space-to-Earth)<br>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)<br>-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<br>EN 301 441 and EN 301 473 | |
| | 14 | Notification number | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | MSS Earth Stations | Sub-class 15 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>2 170 - 2 200 MHz | transmit (Earth-to-space);<br>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<br>Commission Decision 2007/98/EC | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | MSS Earth Stations | Sub-class 16 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>1 555.0 MHz - 1 559.0 MHz<br>1 626.5 MHz - 1 645.5 MHz<br>1 656.5 MHz - 1 660.5 MHz | receive 1 (space-to-Earth);<br>receive 2 (space-to-Earth);<br>transmit 1 (Earth-to-space);<br>transmit 2 (Earth-to-space);<br>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** | | |
| Info | 12 | **Planned changes** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **13** | **Reference** | ITU RR 5.208B<br>EN 301 426 | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | DECT | Sub-class 18 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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.<br>(peak radiated power over time-slot) | Type of Antenna:<br>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<br>Council Directive 91/287/EEC | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 19 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Non-Specific Short Range Devices | Video applications are excluded |
| | 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 20 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Non-Specific Short Range Devices | Analogue audio applications other than voice are excluded.<br>Analogue video applications are excluded |
| | 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 ≤ 10 % | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 21 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 300 440-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Wideband Data Transmission Systems | Sub-class 22 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 24 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 | 42 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 25 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 effective radiated power (e.r.p.)<br>42 dBµA/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 300 220-2<br>EN 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Radio determination applications | Sub-class 26 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 300 440-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 27 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 300 440-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 28 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Non-Specific Short Range Devices | Analogue video applications are excluded |
| | 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.<br>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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 29 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Non-Specific Short Range Devices | Analogue video applications are excluded |
| | 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.<br>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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 30 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Non-Specific Short Range Devices | Analogue video applications are excluded |
| | 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.<br>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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 31 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Alarms | Sub-class 32 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>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 ≤ 1.0 % | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Alarms | Sub-class 33 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 ≤ 0.1 % | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Alarms | Sub-class 34 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Social alarms | Sub-class 35 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 ≤ 0.1 % | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 36 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 37 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 39 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 40a | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 40b | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 40c | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 40d | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 40e | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 41 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 42a | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 42b | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 43 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 300 440-2<br>EN 300 674-2-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 44 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Non-Specific Short Range Devices | Including inductive applications |
| | 3 | Frequency band | 6765 - 6795 kHz | |
| | 4 | Channelling | | |
| | 5 | Modulation / Occupied bandwidth | | |
| | 6 | Direction / Separation | | |
| | 7 | Transmit power / Power density | 42 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 45 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Active medical implants | Sub-class 47 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>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 µW 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** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **11** | **Frequency planning assumptions** | | |
| **Informative part** | **12** | **Planned changes** | | |
| | **13** | **Reference** | EN 301 839-2<br>Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Wireless audio and multimedia applications | Sub-class 48 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 301 357-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Dectection of avalanche victims | Sub-class 49 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Detection of avalanche victims | |
| | 3 | Frequency band | 456.9-457.1 kHz | *Center frequency is 457 kHz* |
| | 4 | Channelling | | |
| | 5 | Modulation / Occupied bandwidth | Unmodulated Continuous Wave (CW) | |
| | 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 | According Decision 2001/148/EC | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 300 718-2<br>EN 300 718-3 | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 50 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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<br>50 dBm mean e.i.r.p. and<br>23.5 dBm mean e.i.r.p. for pulse radars | |
| | 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 301 091-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | PMR446 Analog | Sub-class 51 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | PMR446 Analog | Audio and voice tranmission |
| | 3 | Frequency band | 446.0 - 446.1 MHz | Carrier frequencies: 446.00625, 446.01875, 446.03125, 446.04375, 446.05625, 446.06875, 446.08125, 446.09375 MHz |
| | 4 | Channelling | 12.5 kHz | |
| | 5 | Modulation / Occupied bandwidth | Angle modulation | |
| | 6 | Direction / Separation | | |
| | 7 | Transmit power / Power density | 500 mW e.r.p. | Integral antenna only |
| | 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 300 296-2<br>ERC/DEC/(98)25 | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 52 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Transport and traffic telematics | Automotive Short Range Radars |
| | 3 | **Frequency band** | 21.65 - 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.<br>- 41.3 dBm/MHz mean e.i.r.p. density | For frequencies below 22 GHz, the maximum mean power density shall be limited to - 61.3 dBm/MHz e.i.r.p.<br><br>The 24.05 to 24.25 GHz radio spectrum band is designated for the narrow-band emission mode/component, which may consist of an unmodulated carrier, with a maximum peak power of 20 dBm e.i.r.p. and a duty cycle limited to 10 % for peak emissions higher than - 10 dBm e.i.r.p |
| | 8 | **Channel access and occupation rules** | | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Information | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 302 288-2 | |

| | | | | |
|---|---|---|---|---|
| | | | Commission Decision 2005/50/EC as amended by Commission Decision 2011/485/EU | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | . |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 53 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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.<br>- 3 dBm/MHz mean e.i.r.p. density<br>- 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 302 264-2<br>Commission Decision 2004/545/EC | |
| | 14 | Notification number | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Wireless Access Systems including Radio Local Area Networks (WAS/RLANs) | Sub-class 54 | Edition<br>December 2014 |
|---|---|---|---|---|

| | 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.<br>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** | | |
| Infor mati | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 301 893 | |

| | | | | |
|---|---|---|---|---|
| | | | Commission Decision 2007/90/EC amending Decision 2005/513/EC | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Radio Frequency Identification Devices | Sub-class 56 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 are 864.9 MHz + (0.2 MHz × channel number). |
| | 4 | Channelling | 200 kHz | |
| | 5 | Modulation / Occupied bandwidth | | |
| | 6 | Direction / Separation | | |
| | 7 | Transmit power / Power density | 100 mW e.r.p. 1)<br>2 W e.r.p. 2)<br>500 mW e.r.p. 3) | 1)Sub-band A: 865-865.6 MHz<br>2)Sub-band B: 865.6-867.6 MHz<br>3)Sub-band C. 867.6-868 MHz |
| | 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 302 208-2<br>Decision 2006/804/EC | |
| | 14 | Notification number | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Equipment using Ultra-Wideband Technology | Sub-class 57b | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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** | 4.2 - 4.8 GHz<br>6.0 - 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 Decision 2009/343/EC, clause 1.3.1. | Equipment using ultra-wideband technology may also be allowed to use the radio spectrum with e.i.r.p. limits other than those set out in in the Annex of Decision 2009/343/EC, clause 1.3.1 provided that appropriate mitigation techniques are applied with the result that the equipment achieves at least an equivalent level of protection to that provided by the limits in the table set out in the Annex of Decision 2009/343/EC, clause 1.3.1. Mitigation techniques are described in the relevant harmonised standards adopted under Directive 1999/5/EC or other mitigation techniques on condition that it achieves at least an equivalent level of protection. |
| | 8 | **Channel access and occupation rules** | Use of some appropriate mitigation techniques such as Low Duty Cycle (LDC) or Detect-And-Avoid (DAA) as described in Decision 2009/343/EC, clause 1.3.2 | |

| | | | | |
|---|---|---|---|---|
| | | | impose channel access and occupation rules. | |
| | **9** | **Authorisation regime** | | |
| | **10** | **Additional essential requirements** | | |
| | **11** | **Frequency planning assumptions** | | |
| **Informative part** | **12** | **Planned changes** | | |
| | **13** | **Reference** | EN 302 065<br>Commission Decision 2007/131/EC as amended by Commission Decision 2009/343/EC | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Equipment using Ultra-Wideband Technology | Sub-class 57c | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Building material analysis (BMA) 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 | |
| | 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 Decision 2009/343/EC, clause 2.1. | Equipment using ultra-wideband technology may also be allowed to use the radio spectrum with e.i.r.p. limits other than those set out in in the Annex of Decision 2009/343/EC, clause 2.1 provided that appropriate mitigation techniques are applied with the result that the equipment achieves at least an equivalent level of protection to that provided by the limits in the table set out in the Annex of Decision 2009/343/EC, clause 2.1. Mitigation techniques are described in the relevant harmonised standards adopted under Directive 1999/5/EC or other mitigation techniques on condition that it achieves at least an equivalent level of protection. |
| | 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 302 435<br>Commission Decision 2007/131/EC as amended by Commission Decision 2009/343/EC | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 61 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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.<br>- 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 62 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 305 550-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 63 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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** | 434.040 - 434.790 MHz | |
| | 4 | **Channelling** | | |
| | 5 | **Modulation / Occupied bandwidth** | | |
| | 6 | **Direction / Separation** | | |
| | 7 | **Transmit power / Power density** | 1 mW e.r.p.<br>- 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Assistive Listening Devices | Sub-class 64 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 300 422-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 65 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 | 434.040 - 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 of 100 % subject to channel spacing up to 25 kHz<br>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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 66 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Non-Specific Short Range Devices | Analogue audio applications other than voice are excluded.<br>Analogue video applications are excluded |
| | 3 | **Frequency band** | 863.000 - 865.000 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 67 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Non-Specific Short Range Devices | Analogue audio applications other than voice are excluded.<br>Analogue video applications are excluded |
| | 3 | **Frequency band** | 865.000 - 868.000 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

| | | | | |
|---|---|---|---|---|
| **European Union** | **Radio Interface Specification** | **Assistive Listening DevicesAids** | **Sub-class 68** | **Edition July 2014** |

| | 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 300 422-2<br>Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 69 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Non-Specific Short Range Devices | Analogue audio applications other than voice are excluded.<br>Analogue 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** | 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Social Alarms | Sub-class 70 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Social Alarms | |
| | 3 | Frequency band | 169.5875 - 169.6 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 ≤ 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 2005/928/EC, amended with Commission Decision 2008/673/EC | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 71 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 305 550-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Alarms | Sub-class 72 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 73 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 74 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/m at 10 metres in any bandwidth of 10 kHz<br>Furthermore the total magnetic field strength is - 5 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 75 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 76 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 77 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Inductive applications | |
| | 3 | Frequency band | 5 000 - 30 000 kHz | |
| | 4 | Channelling | | |
| | 5 | Modulation / Occupied bandwidth | | |
| | 6 | Direction / Separation | | |
| | 7 | Transmit power / Power density | - 20 dBµA/m at 10 metres in any bandwidth of 10 kHz<br>Furthermore the total magnetic field strength is - 5 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 78 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 79 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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) and Electronic Article Surveillance (EAS). |
| | 3 | Frequency band | 13 553 - 13 567 kHz | |
| | 4 | Channelling | | |
| | 5 | Modulation / Occupied bandwidth | | |
| | 6 | Direction / Separation | | |
| | 7 | Transmit power / Power density | 60 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 80 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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.i.r.p. | |
| | 8 | Channel access and occupation rules | Duty cycle ≤ 1% | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Active medical implants | Sub-class 81 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/m at 10m | |
| | 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 302 195-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Active medical implants | Sub-class 82 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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).<br>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** | | |
| Infor mati | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 302 510-2 | |

| | | | | |
|---|---|---|---|---|
| | | | Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Active medical implants and associated peripherals | Sub-class 83 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>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 µW 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 302 537-2 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** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| **Informative part** | **12** | **Planned changes** | | |
| | **13** | **Reference** | EN 302 537-2<br>Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Active medical implants and associated peripherals | Sub-class 84 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>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 µW 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 302 537-2 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** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| **Informative part** | **12** | **Planned changes** | | |
| | **13** | **Reference** | EN 302 537-2<br>Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Animal implantable devices | Sub-class 85 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Animal implantable devices | This category covers transmitting devices which are placed inside the body of an animal for the purpose of performing diagnostic functions and/or delivery of therapeutic treatment. |
| | 3 | Frequency band | 315 - 600 kHz | |
| | 4 | Channelling | | |
| | 5 | Modulation / Occupied bandwidth | | |
| | 6 | Direction / Separation | | |
| | 7 | Transmit power / Power density | -5 dBµA/m at 10m | |
| | 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 302 536-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Low power FM transmitters | Sub-class 86 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 301 357-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Radio determination applications | Sub-class 88 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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.<br>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 300 440-2 must be used | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 300 440-2<br>Commission Decision 2006/771/EC as amended | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Radio determination devices | Sub-class 89 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 302 372-2 must be used | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **13** | **Reference** | EN 302 372-2<br>Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Radio determination devices | Sub-class 90 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 302 372-2 must be used | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Info | 12 | **Planned changes** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **13** | **Reference** | EN 302 372-2<br>Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Radio determination devices | Sub-class 91 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 302 372-2 must be used | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **13** | **Reference** | EN 302 372-2<br>Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Radio determination devices | Sub-class 92 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 302 372-2 must be used | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **13** | **Reference** | EN 302 372-2<br>Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Radio determination devices | Sub-class 93 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 302 372-2 must be used | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **13** | **Reference** | EN 302 372-2<br>Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Model control | Sub-class 94 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Model control | Sub-class 95 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Model control | Sub-class 96 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Model control | Sub-class 97 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Model control | Sub-class 98 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Private (Professional) Mobile Radio | Sub-class 99 | Edition<br>April 2013 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | PMR446 Digital | Hand portable equipment only. |
| | 3 | **Frequency band** | 446.1 - 446.2 MHz | Carrier frequencies [MHz] for 12.5 kHz channeling:<br>446.106250; 446.118750; 446.131250; 446.143750; 446.156250; 446.168750; 446.181250; 446.193750<br>Carrier frequencies [MHz] for 6.25 kHz channeling:<br>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 kHz/ 12.5 kHz | |
| | 5 | **Modulation / Occupied bandwidth** | Digital modulation | |
| | 6 | **Direction / Separation** | | |
| | 7 | **Transmit power / Power density** | 500 mW e.r.p. | Integral antenna only |
| | 8 | **Channel access and occupation rules** | Maximum transmitter time-out time 180 s | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **13** | **Reference** | EN 300 113-2<br>EN 301 166-2<br>ECC/DEC/(05)12 | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Radio frequency identification | Sub-class 100 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 300 440-2 must be used | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 300 440-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 101 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 302 858-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 102 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 302 858-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 103 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 302 858-2 must be used<br>Dwell time limits apply as specified in harmonised standards | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 302 858-2<br>Commission Decision 2006/771/EC as amended | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 104 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 302 858-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 105 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 - 64 GHz | |
| | 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 106 | Edition<br>June 2012 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 107 | Edition<br>June 2012 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Non-Specific Short Range Devices | |
| | 3 | Frequency band | 122 - 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 305 550-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 108 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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<br>Directive 2004/52/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 109 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Transport and traffic telematics | This set of usage conditions is restricted to 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 dBµA/m at 10 m | |
| | 8 | Channel access and occupation rules | Duty cycle ≤ 1% | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 302 608<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 110 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Transport and traffic telematics | This set of usage conditions is restricted to 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 dBµA/m at 10 m | Antenna restrictions apply as specified in the harmonised standard EN 302 609. |
| | 8 | Channel access and occupation rules | Duty cycle ≤ 1% | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 302 609<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 111 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Transport and traffic telematics | This set of usage conditions is restricted to ground-based vehicle radars operating in the harmonised 24 GHz frequency range. |
| | 3 | **Frequency band** | 24.25 - 24.495 GHz | |
| | 4 | **Channelling** | | |
| | 5 | **Modulation / Occupied bandwidth** | | |
| | 6 | **Direction / Separation** | | |
| | 7 | **Transmit power / Power density** | -11 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 harmonised standard EN 302 288-2 must be used. | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 302 288-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 112 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Transport and traffic telematics | This set of usage conditions is restricted to ground-based vehicle radars operating in the harmonised 24 GHz frequency range. |
| | 3 | Frequency band | 24.25 - 24.5 GHz | |
| | 4 | Channelling | | |
| | 5 | Modulation / Occupied bandwidth | | |
| | 6 | Direction / Separation | | |
| | 7 | Transmit power / Power density | 20 dBm e.i.r.p. (forward-facing radars)<br>16 dBm e.i.r.p. (rear-facing 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 harmonised standard EN 302 288-2 must be used. | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 302 288-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Transport and traffic telematics | Sub-class 113 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Transport and traffic telematics | This set of usage conditions is restricted to ground-based vehicle radars operating in the harmonised 24 GHz frequency range. |
| | 3 | **Frequency band** | 24.495 - 24.5 GHz | |
| | 4 | **Channelling** | | |
| | 5 | **Modulation / Occupied bandwidth** | | |
| | 6 | **Direction / Separation** | | |
| | 7 | **Transmit power / Power density** | -8 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 harmonised standard EN 302 288-2 must be used. | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 302 288-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 114 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Inductive applications | |
| | 3 | Frequency band | 6 765 – 6 795 kHz | |
| | 4 | Channelling | | |
| | 5 | Modulation / Occupied bandwidth | | |
| | 6 | Direction / Separation | | |
| | 7 | Transmit power / Power density | 42 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 115 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | Radiocommunication Service | Mobile Service | |
| | 2 | Application | Inductive applications | |
| | 3 | Frequency band | 26 957 – 27 283 kHz | |
| | 4 | Channelling | | |
| | 5 | Modulation / Occupied bandwidth | | |
| | 6 | Direction / Separation | | |
| | 7 | Transmit power / Power density | 42 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Inductive applications | Sub-class 116 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 dBµA/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 300 330-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Active medical implants | Sub-class 117 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Active medical implants | This set of usage conditions is restricted to 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<br>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 301 559-2 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** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| **Informative part** | **12** | **Planned changes** | | |
| | **13** | **Reference** | EN 301 559-2<br>Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 118 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 ≤ 0.1 % | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 119 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 ≤ 0.1 % | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 120 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 ≤ 0.1 % | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 121 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 ≤ 0.1 % | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 122 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 ≤ 0.1 % | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Metering Devices | Sub-class 123 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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 ≤ 10% | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative part | 12 | Planned changes | | |
| | 13 | Reference | EN 300 422-2<br>Commission Decision 2006/771/EC as amended | EN 300 220-2<br>Commission Decision 2006/771/EC as amended |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 124 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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** | 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.<br>Alternatively a duty cycle limit of 0.001 % may also be used.<br>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** | | |
| Information | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 300 220-2 | |

| | | | | |
|---|---|---|---|---|
| | | | Commission Decision 2006/771/EC as amended | |
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 125 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Non-Specific Short Range Devices | Analogue audio applications other than voice are excluded.<br>Analogue 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 ≤ 10 % | |
| | 9 | **Authorisation regime** | | |
| | 10 | **Additional essential requirements** | | |
| | 11 | **Frequency planning assumptions** | | |
| Informative part | 12 | **Planned changes** | | |
| | 13 | **Reference** | EN 300 220-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 126 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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., a maximum transmit power of 10dBm and a maximum e.i.r.p. power spectral density of 13dBm/MHz | |
| | 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 305 550-2<br>Commission Decision 2006/771/EC as amended | |
| | 14 | Notification number | | |
| | 15 | Remarks | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Radio determination devices | Sub-class 127 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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.<br>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 302 729-2 must be used. | |
| | 8 | Channel access and occupation rules | | |
| | 9 | Authorisation regime | | |
| | 10 | Additional essential requirements | | |
| | 11 | Frequency planning assumptions | | |
| Informative | 12 | Planned changes | | |
| | 13 | Reference | EN 302 729-2<br>Commission Decision 2006/771/EC as amended | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **14** | **Notification number** | | |
| | **15** | **Remarks** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 128 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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** | 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.<br>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 | |
| | 14 | **Notification number** | | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | Commission Decision 2006/771/EC as amended | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 129 | Edition<br>July 2014 |
|---|---|---|---|---|

| | 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** | 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.<br>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 | |
| | 14 | **Notification number** | | |
| | 15 | **Remarks** | Commission Decision 2006/771/EC as amended | |

**Sub-class of Class 1 according Commission Decision 2000/299/EC (6.4.2000)**

| European Union | Radio Interface Specification | Non-Specific Short Range Devices | Sub-class 130 | Edition<br>July 2014 |
|---|---|---|---|---|

| | Nr | Parameter | Description | Comments |
|---|---|---|---|---|
| Normative part | 1 | **Radiocommunication Service** | Mobile Service | |
| | 2 | **Application** | Non-Specific Short Range Devices | Analogue audio applications other than voice are excluded.<br>Analogue video applications are excluded |
| | 3 | **Frequency band** | 869.4 - 869.65 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<br>Commission Decision 2006/771/EC as amended | |
| | 14 | **Notification number** | | |

| | | | | |
|---|---|---|---|---|
| | **15** | **Remarks** | | |