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| Frequency band (MHz) | Allocation RR Region 1   | National use   | Notes  |
|----------------------|--|--|--|
| 27.5 - 28            | METEOROLOGICAL AIDS<br>FIXED<br>MOBILE                                       | METEOROLOGICAL AIDS<br>SRD 5-30 MHz<br>MOBILE  | ERC/REC 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments  |
| 28 - 29.7            | AMATEUR<br>AMATEUR-SATELLITE   | AMATEUR<br>AMATEUR-SATELLITE<br>SRD 5-30 MHz   | Amateur reg.<br>CEPT T/R 61-01<br>ERC/REC 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments        |
| 29.7 - 30.005        | FIXED<br>MOBILE  | FIXED<br>MOBILE<br>SRD 5-30 MHz  | ERC/REC 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments  |
| 30.005 - 30.01       | SPACE OPERATION (satellite identificat)<br>FIXED<br>MOBILE<br>SPACE RESEARCH |  |  |
| 30.01 - 37.5         | FIXED<br>MOBILE  | MOBILE<br><br>Private Mobile Radio<br>SRD – Short Range Devices<br>(32.3, 30.015, 30.925)<br><br>Wireless Microphones<br>(36.7, 37.04, 37.1, 37.4, 37.5)<br><br>Tele command for Aircraft mod.<br>(34.995 – 35.225 MHz)<br><br>ULP-AMI (30-37.5 MHz) | CEPT T/R 70-03<br>ERC/DEC (01)11<br><br>CEPT T/R 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments |
| 37.5 - 38.25         | FIXED<br>MOBILE<br><br>Radio Astronomy<br><br>5.149                          | MOBILE<br><br>Private Mobile Service<br><br>SRD – Short Range Devices<br>Wireless microphones<br>(37.5, 37.9)  |  |
| 38.25 - 39           | FIXED<br>MOBILE  | MOBILE   |  |
| 39-39.5              | FIXED<br>MOBILE<br>Radiolocation 5.132A<br>5.159                             | MOBILE   |  |
| 39.5-39.986          | FIXED<br>MOBILE  | MOBILE   |  |
| 39.986 - 40.02       | FIXED<br>MOBILE<br>Space Research  |  |  |

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|----------------------|--|---|--|
| 40.02 - 40.98        | FIXED<br>MOBILE<br><br>5.150                               | MOBILE<br><br>Private Mobile Radio<br><br>SRD - Short Range Devices<br>(40.66-40.70)<br><br>ISM - Industrial, Scientific and Medical<br>Application (40.66 – 40.70) | CEPT T/R 70-03<br>ERC/DEC (01)12<br><br>Commision Dec<br>2006/771/EC +<br>amendments<br><br>CEPT T/R 20-03 |
| 40.98 - 41.015       | FIXED<br>MOBILE<br>Space Research                          | MOBILE  |  |
| 41.015 - 42          | FIXED<br>MOBILE  | MOBILE  |  |
| 42 - 42.5            | FIXED<br>MOBILE<br>Radiolocation 5.132A<br>5.161B          | MOBILE  |  |
| 42.5 - 44            | FIXED<br>MOBILE  | MOBILE  |  |
| 44 - 47              | FIXED<br>MOBILE<br><br>5.162A                              | MOBILE<br><br>SRD – Short Range Devices<br>Wireless Microphones<br>(41-43.6 MHz)  |  |
| 47 - 68              | BROADCASTING<br><br>5.162A                                 | BROADCASTING<br>Amateur 50-52 MHz<br><br>Radiolocation 5.162A   | TV channels 2-4  |
| 68 - 74.8            | FIXED<br>MOBILE except aeronautical mobile                 | FIXED<br>LAND MOBILE  | ECC/DEC/(06)06<br>ERC/DEC/(98)10<br>ECC/DEC/(11)04   |
| 74.8 - 75.2          | AERONAUTICAL RADIONAVIGATION<br><br>5.180                  | AERONAUTICAL RADIONAVIGATION<br>Aeronautical radio beacons – ILS/Glide<br>path markers  | ICAO Annex 10  |
| 75.2 - 87.5          | FIXED<br>MOBILE except aeronautical mobile                 | FIXED<br>LAND MOBILE  | ECC/DEC/(06)06<br>ERC/DEC/(98)10<br>ECC/DEC/(11)04   |
| 87.5 - 108           | BROADCASTING   | BROADCASTING<br><br>SRD - Wireless Audio  | ERC/REC 54-01<br><br>ERC/REC 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments                         |
| 108 - 117.975        | AERONAUTICAL RADIONAVIGATION                               | AERONAUTICAL RADIONAVIGATION<br><br>ILS/Localizer 108 – 112 MHz<br>VOR 108 – 117.975 MHz  | ICAO Annex 10  |
| 117.975 - 137        | AERONAUTICAL MOBILE (R)<br><br>5.111, 5.200, 5.201, 5.202, | AERONAUTICAL MOBILE (R)<br>ILS Localizer 108-112 MHz<br>VOR 112-117.975 MHz<br>121.45-121.55 MHz EPIRB (earth to sp.)   | RR Appendix S13<br>ICAO Annex 10<br><br>121.5 MHz EPIRB  |

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| 137 - 137.025        | SPACE OPERATION (space to earth)<br>METEOROLOGICAL-SATELLITE (space to earth)<br>SPACE RESEARCH (space to earth)<br>MOBILE-SATELLITE (space to earth)<br>5.208A, 5.208B, 5.209<br>Fixed<br>Mobile except aeronautical mobile (R)<br><br>5.208 | METEOROLOGICAL-SATELLITE (space to earth)<br><br>MOBILE-SATELLITE (space to earth) | ERC/DEC/(99)06<br>ERC/DEC/(99)05   |
| 137.025 - 137.175    | SPACE OPERATION (space to earth)<br>METEOROLOGICAL-SATELLITE (space to earth)<br>SPACE RESEARCH (space to earth)<br>Fixed<br>Mobile-Satellite (space to earth)<br>5.208A, 5.208B, 5.209<br>Mobile except aeronautical mobile (R)<br><br>5.208 | METEOROLOGICAL-SATELLITE (space to earth)<br><br>Mobile-Satellite (space to earth) | ERC/DEC/(99)06<br>ERC/DEC/(99)05   |
| 137.175 - 137.825    | SPACE OPERATION (space to earth)<br>METEOROLOGICAL-SATELLITE (space to earth)<br>SPACE RESEARCH (space to earth)<br>MOBILE-SATELLITE (space to earth)<br>5.208A, 5.208B, 5.209<br>Fixed<br>Mobile except aeronautical mobile (R)<br><br>5.208 | METEOROLOGICAL-SATELLITE (space to earth)<br><br>MOBILE-SATELLITE (space to earth) | ERC/DEC/(99)06<br>ERC/DEC/(99)05   |
| 137.825 - 138        | SPACE OPERATION (space to earth)<br>METEOROLOGICAL-SATELLITE (space to earth)<br>SPACE RESEARCH (space to earth)<br>Fixed<br>Mobile-Satellite (space to earth)<br>5.208A, 5.209<br>Mobile except aeronautical mobile (R)<br>5.208             | METEOROLOGICAL-SATELLITE (space to earth)<br><br>Mobile-Satellite (space to earth) | ERC/DEC/(99)06<br>ERC/DEC/(99)05   |
| 138 - 143.6          | AERONAUTICAL MOBILE (OR)  | AERONAUTICAL MOBILE (OR)<br>138.2-138.45 MHz SRD                                   | CEPT T/R 70-03   |
| 143.6 - 143.65       | AERONAUTICAL MOBILE (OR)<br>SPACE RESEARCH (space to earth)   | AERONAUTICAL MOBILE (OR)   |  |
| 143.65 - 144         | AERONAUTICAL MOBILE (OR)  | AERONAUTICAL MOBILE (OR)   |  |
| 144 - 146            | AMATEUR<br><br>AMATEUR-SATELLITE  | AMATEUR<br><br>AMATEUR-SATELLITE   | Amateur reg.<br>CEPT T/R 61-01   |
| 146 - 148            | FIXED<br>MOBILE except Aeronautical Mobile (R)  | LAND MOBILE<br>Private Mobile Radio  | ECC/DEC/(06)06<br>ECC/DEC/(11)04   |
| 148 – 149.9          | FIXED<br>MOBILE except Aeronautical Mobile (R)<br><br>MOBILE-SATELLITE (earth to space)<br>5.209<br><br>5.218 5.219, 5.221  | LAND MOBILE<br>Private Mobile Radio<br><br>MOBILE-SATELLITE (earth to space)       | ECC/DEC/(06)06<br>ECC/DEC/(11)04<br><br>ERC/DEC/(99)06<br>ERC/DEC/(99)05 |
| 149.9 – 150.05       | RADIONAVIGATION-SATELLITE 5.224B<br>MOBILE-SATELLITE (earth to space)<br>5.209, 5.224A<br><br>5.220, 5.222, 5.223   | MOBILE-SATELLITE (earth to space)  | ERC/DEC/(99)06<br>ERC/DEC/(99)05   |

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|----------------------|---|---|--|
| 150.05 - 153         | FIXED<br>MOBILE except Aeronautical Mobile<br><br>RADIO ASTRONOMY<br><br>5.149                                      | LAND MOBILE<br>Private Mobile Radio   | ECC/DEC/(06)06<br>ECC/DEC/(11)04                                       |
| 153 - 154            | FIXED<br>MOBILE except Aeronautical Mobile (R)<br><br>Meteorological Aids   | LAND MOBILE<br>Private Mobile Radio<br><br>SRD – Short Range Devices 153.8625 | ECC/DEC/(06)06<br>ECC/DEC/(11)04                                       |
| 154 – 156,4875       | FIXED<br>MOBILE except aeronautical mobile (R)<br>5.226   | MARITIME MOBILE   | RR Appendix 18   |
| 156.4875 – 156.5625  | MARITIME MOBILE (distress and calling via DSC)<br>5.111, 5.226, 5.227   | MARITIME MOBILE (distress and calling via DSC)                                | RR Appendix 18<br>156.525 MHz ch.70                                    |
| 156.5625 – 156.7625  | FIXED<br>MOBILE except aeronautical mobile (R)<br><br>5.226   | LAND MOBILE<br>Private Mobile Radio<br>MARITIME MOBILE<br>156 - 156.7625 MHz  | ECC/DEC/(06)06<br>ECC/DEC/(11)04<br>RR Appendix S18<br>RR Appendix S13 |
| 156.7625 – 156.7875  | MARITIME MOBILE<br>Mobile-satellite (Earth to space)<br>5.111, 5.226, 5.228   | MARITIME MOBILE   | RR Appendix 18   |
| 156.7875 – 156.8125  | MARITIME MOBILE (distress and calling)  | MARITIME MOBILE (distress and calling)  | RR Appendix 18<br>156.8 MHz ch.16                                      |
| 156.8125 – 156.8375  | MARITIME MOBILE<br>Mobile-satellite (Earth to space)<br>5.111, 5.226, 5.228   | MARITIME MOBILE   | RR Appendix 18   |
| 156.8375 – 161.9375  | FIXED<br>MOBILE except aeronautical mobile (R)<br><br>5.226   | MARITIME MOBILE   | RR Appendix 18   |
| 161.9375 – 161.9625  | FIXED<br>MOBILE except aeronautical mobile (R)<br>Maritime mobile satellite (Earth to space)<br>5.A116<br>5.226     |   |  |
| 161.9625 – 161.9875  | FIXED<br>MOBILE except aeronautical mobile<br>Mobile-satellite (Earth to space) 5.228F<br><br>5.226, 5.228A, 5.228B | MARITIME MOBILE   | RR Appendix 18   |
| 161.9875 – 162.0125  | FIXED<br>MOBILE except aeronautical mobile (R)<br>Maritime mobile-satellite (Earth to space)<br>5.A116<br><br>5.226 | MARITIME MOBILE   | RR Appendix 18   |
| 162.0125 – 162.0375  | FIXED<br>MOBILE except aeronautical mobile<br>Mobile-satellite (Earth to space) 5.228F<br><br>5.226, 5.228A, 5.228B | MARITIME MOBILE   | RR Appendix 18   |

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| 162.0375 - 174       | FIXED<br><br>MOBILE except Aeronautical Mobile (R)<br><br>5.227      | FIXED<br>(165.5 - 166.5 / 171 - 172 MHz)<br><br>LAND MOBILE<br>Private Mobile Radio<br><br>SRD 169.4-169.8125<br><br>Aids for handicapped 173.965-174.015,<br>169.4000-169.475 MHz<br>MARITIME MOBILE<br>156.8375-157.425 /160.625-162.025<br>AIS 161.975 and 162.025 MHz | Single channel links<br><br>ECC/DEC/(06)06<br>ECC/DEC/(11)04<br><br>ERC/REC 70-03<br>Commison Dec<br>2006/771/EC +<br>amendments<br>ERC/REC 70-03<br><br>RR Appendix S18<br><br>ERC DEC (99)17 |
| 174 - 223            | BROADCASTING   | BROADCASTING<br>Land Mobile<br><br>Aids for handicapped 173.965-174.015   | TV channels 5-12<br>Wireless micro-phones.<br>Individual<br>Licence.<br>ERC/REC 70-03  |
| 223 - 230            | BROADCASTING<br><br>Fixed<br>Mobile                                  | BROADCASTING<br><br>Land Mobile   | TV channel 12<br><br>Wireless micro-phones.<br>Individual<br>Licence.  |
| 230 - 235            | FIXED<br>MOBILE  | MOBILE<br><br>T-DAB – Terrestrial Digital Audio<br>Broadcasting (230 – 240 MHz)   | Planned  |
| 235 - 267            | FIXED<br>MOBILE<br><br>5.254, 5.256, 5.111                           | MOBILE<br><br>T-DAB – Terrestrial Digital Audio<br>Broadcasting (230 – 240 MHz)<br><br>242.95-243.05 MHz EPIRB (earth to sp.)   | RR Article S9.21<br>Planned<br>243 MHz EPIRB   |
| 267 - 272            | FIXED<br>MOBILE<br>Space Operation (space to earth)<br><br>5.254     | MOBILE  | RR Article S9.21   |
| 272 - 273            | FIXED<br>MOBILE<br>SPACE OPERATION (space to earth)<br><br>5.254     | MOBILE  | RR Article S9.21   |
| 273 - 312            | FIXED<br>MOBILE<br><br>5.254   | MOBILE  | RR Article S9.21   |
| 312 - 315            | FIXED<br>MOBILE<br>Mobile-Satellite (earth to space) 5.254,<br>5.255 | MOBILE  | RR Article S9.21   |
| 315 - 322            | FIXED<br>MOBILE<br><br>5.254   | MOBILE  |  |
| 322 - 328.6          | FIXED<br>MOBILE<br>RADIO ASTRONOMY<br><br>5.149                      | MOBILE  |  |

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|----------------------|--|--|---|
| 328.6 - 335.4        | AERONAUTICAL RADIONAVIGATION<br>5.258  | AERONAUTICAL RADIONAVIGATION   | ILS (glide path)  |
| 335.4 - 387          | FIXED<br>MOBILE<br><br>5.254   | MOBILE<br><br>- TETRA – Emergency Service<br>(380 – 385 MHz)<br><br>- TETRA (385 – 390 MHz)            | ECC/DEC/(08)05<br>ERC/DEC (01)20<br>ERC/DEC (01)19<br>ECC/DEC/(06)05<br>CEPT T/R 02-02<br>ECC/DEC/(11)04<br>CEPT T/R 22-05  |
| 387 - 390            | FIXED<br>MOBILE<br><br>Mobile-Satellite (space to earth) 5.254,<br>5.255, 5.208A   | FIXED<br>MOBILE<br><br>- TETRA (385 – 390 MHz)   | 4-10 channel links<br><br>Planned<br>ECC/DEC/(08)05<br>CEPT T/R 22-05<br>ECC/DEC/(11)04<br>ERC/DEC/(99)06<br>ERC/DEC/(99)05   |
| 390 - 399.9          | FIXED<br>MOBILE<br><br>5.254   | FIXED<br>MOBILE<br><br>- TETRA – Emergency Service<br>(390 – 395 MHz)<br><br>- TETRA (395 – 399.9 MHz) | 4-10 channel links<br><br>ECC/DEC/(08)05<br>ERC/DEC (01)20<br>ERC/DEC (01)19<br>ECC/DEC/(06)05<br>ECC/DEC/(11)04<br>CEPT T/R 02-02<br><br>Planned<br>ECC/DEC/(11)04<br>CEPT T/R 22-05 |
| 399.9 - 400.05       | RADIONAVIGATION-SATELLITE<br>5.222, 5.260, 5.224B<br>MOBILE-SATELLITE (earth to space)<br>5.209, 5.224A<br><br>5.220   |  | ERC/DEC/(99)06<br>ERC/DEC/(99)05  |
| 400.05 - 400.15      | STANDARD FREQUENCY AND TIME<br>SIGNAL (400.1 MHz)<br><br>5.261   |  |   |
| 400.15 - 401         | METOROLOGICAL AIDS<br>METOROLOGICAL-SATELLITE<br>(space to earth)<br>MOBILE-SATELLITE (space to earth)<br>5.208A, 5.209<br>SPACE RESEARCH (space to earth)<br>5.263<br>Space Operation (space to earth)<br><br>5.264 | METOROLOGICAL AIDS<br>METOROLOGICAL-SATELLITE<br>(space to earth)                                      | ERC/DEC/(99)06<br>ERC/DEC/(99)05  |

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|----------------------|--|--|--|
| 401 - 402            | EARTH EXPLORATION-SATELLITE<br>(earth to space)<br>METEOROLOGICAL AIDS<br>SPACE OPERATION (space to earth)<br>METEOROLOGICAL-SATELLITE<br>(earth to space)<br>Fixed<br>Mobile except aeronautical mobile | EARTH EXPLORATION-SATELLITE<br>(earth to space)<br>METEOROLOGICAL AIDS<br><br>METEOROLOGICAL-SATELLITE<br>(earth to space)<br>Fixed<br>Mobile except aeronautical mobile<br>SRD 401-406 MHz Active Medical<br>Implants | CEPT T/R 70-03<br>Commision Dec<br>2006/771/EC +<br>amendmentsERC/DEC<br>(01)17                              |
| 402 - 403            | EARTH EXPLORATION-SATELLITE<br>(earth to space)<br>METEOROLOGICAL AIDS<br>METEOROLOGICAL-SATELLITE<br>(earth to space)<br>Fixed<br>Mobile except aeronautical mobile                                     | EARTH EXPLORATION-SATELLITE<br>(earth to space)<br>METEOROLOGICAL AIDS<br>METEOROLOGICAL-SATELLITE<br>(earth to space)<br>Fixed<br>Mobile except aeronautical mobile<br>SRD 401-406 MHz Active Medical<br>Implants     | CEPT T/R 70-03<br>ERC/DEC (01)17<br>Commision Dec<br>2006/771/EC +<br>amendments                             |
| 403 - 406            | METEOROLOGICAL AIDS<br>Fixed<br>Mobile except aeronautical mobile<br><br>5.A911  | METEOROLOGICAL AIDS<br>Fixed<br>Mobile except aeronautical mobile<br>SRD 401-406 MHz Active Medical<br>Implants  | CEPT T/R 70-03<br>ERC DEC (01)17<br>Commision Dec<br>2006/771/EC +<br>amendments                             |
| 406 - 406.1          | MOBILE SATELLITE<br>(earth to space)<br><br>5.266, 5.267, 5.A911   | MOBILE SATELLITE<br>(earth to space)   | COSPAS-SARSAT EPIRB<br>RR Appendix S13<br>Commission Dec<br>2005/631/EC                                      |
| 406.1 – 410          | FIXED<br>MOBILE except Aeronautical Mobile<br>RADIOASTRONOMY<br><br>5.149, 5.A911  | FIXED<br>MOBILE  | 4-10 channel links<br>ECC/DEC (02)05<br>ECC/DEC/(06)06<br>ECC/DEC/(11)04                                     |
| 410 – 420            | FIXED<br>MOBILE except Aeronautical Mobile<br><br>Space Research (space to space) 5.268  | FIXED<br>MOBILE<br><br>- TETRA<br>- Wideband Digital Land Mobile<br>PMR/PAMR   | 4-10 channel links<br>ECC/DEC (02)05<br>ECC/DEC/(06)06<br>ECC/DEC/(11)04<br>CEPT T/R 22-05<br>ECC/DEC/(04)06 |
| 420 - 430            | FIXED<br>MOBILE except Aeronautical Mobile<br><br>Radiolocation  | FIXED<br>MOBILE except aeronautical mobile<br><br>- TETRA<br>- Wideband Digital Land Mobile<br>PMR/PAMR  | 4-10 channel links<br>ECC/DEC (02)05<br>ECC/DEC/(06)06<br>ECC/DEC/(11)04<br>CEPT T/R 22-05<br>ECC/DEC/(04)06 |
| 430 - 432            | AMATEUR<br>RADIOLOCATION   | AMATEUR  | Amateur Reg.<br>CEPT T/R 61-01   |

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| 432 - 438            | AMATEUR<br>RADIOLOCATION<br><br>Earth exploration-satellite (active) 5.279A<br>5.138, 5.282 | AMATEUR<br><br>SRD - Short Range Devices<br>(433.05 – 434.79 MHz)<br><br>ISM - Industrial, Scientific and Medical<br>Applications (433.05 – 434.79 MHz)   | Amateur Reg.<br>CEPT T/R 61-01<br>CEPT T/R 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments                    |
| 438 - 440            | AMATEUR<br>RADIOLOCATION  | AMATEUR   | Amateur Reg.<br>CEPT T/R 61-01  |
| 440 - 450            | FIXED<br><br>MOBILE except Aeronautical Mobile<br><br>Radiolocation<br><br>5.286            | FIXED<br>(441.5-442.5 paired with 451.5-452.5)<br><br>LAND MOBILE<br>- Private Mobile Radio<br>- 446.0-446.2 MHz PMR446   | Single channel links<br><br>ECC/DEC (02)05<br>ECC/DEC/(06)06<br>ECC/DEC/(11)04<br>ECC/DEC (15)5                     |
| 450 - 460            | FIXED<br><br>MOBILE 5.287 5.286AA   | FIXED<br>(451.5-452.5 paired with 441.5-442.5)<br>(459.5-460.0 paired with 469.5-470.0)<br><br>MOBILE<br>- Telemetry (458.5 – 459.0 MHz)<br>- Private Mobile radio<br>- On board communication (maritime)<br>(457.5125-457.5875 MHz )<br>- Wideband Digital Land Mobile<br>PMR/PAMR | Single channel links<br><br>ECC/DEC (02)05<br>ECC/DEC/(06)06<br>ECC/DEC/(11)04                                      |
| 460 - 470            | FIXED<br>MOBILE 5.287 5.286AA<br><br>Meteorological-Satellite (sp. to earth)<br>5.289       | FIXED<br>(469.5-470.0 paired with 459.5-460.0)<br>MOBILE<br>- Private Mobile radio<br>- On board communication (maritime)<br>(467.5125-467.5875 MHz)<br>- Private radio paging<br>(469.0 – 469.5 MHz)<br>- Wideband Digital Land Mobile<br>PMR/PAMR                                 | Single channel links<br><br>ECC/DEC (02)05<br>ECC/DEC/(06)06<br>ECC/DEC/(11)04                                      |
| 470 - 694            | BROADCASTING<br><br>5.149 5.296   | BROADCASTING<br>MOBILE 694-790 MHz<br><br>Land Mobile<br>- Wireless microphones   | TV channels 21-48<br><br>Individual licence<br>ERC/REC 70-03  |
| 694 - 790            | MOBILE except aeronautical<br>mobile 5.312A. 317A   | LAND MOBILE (703-733, 758-788 MHz)  | ECC/DEC (15)01  |
| 790 - 862            | FIXED<br>MOBILE except aeronautical mobile<br><br>5.316B                                    | LAND MOBILE (691-721, 732-862 MHz)<br><br>- Wireless Microph. (823-832 MHz)   | ECC/DEC (12)01<br>ECC/DEC/(09)03<br>Commission Dec<br>2010/267/EC<br>ERC/REC 70-03<br>Commission Dec<br>2014/641/EU |

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| 862 - 890            | FIXED<br>MOBILE except aeronautical mobile<br>5.317A  | FIXED<br>MOBILE<br><br>- RFID (865-868 MHz)<br><br>- SAS – Social Alarm System<br>(869.200 – 869.250 MHz)<br>- Alarms<br>(868.6-868.7, 869.25-869.3,<br>869.65-869.7, 869.3-869.4)<br>- SRD – Short Range Devices<br>(863-870)<br>- Wireless Audio (863-865 MHz)<br>- Non-specific SRD (863-868,6, 868.7-<br>869.2, 869,4-869,65, 869.7-870<br>MHz)<br><br>- Wideband Digital Land Mobile<br>PMR/PAMR (870-876 MHz)<br><br>- GSM (880-915 and 925-960 MHz) | CEPT T/R 70-03<br>Commission Dec<br>2006/804/EC<br><br>CEPT T/R 70-03<br>Commison Dec<br>2006/771/EC +<br>amendments<br><br>ECC/DEC/(11)04<br>ECC/DEC/(06)13<br>ERC/DEC/(97)02<br>ECC/DEC/(08)08<br>ECC/DEC (12)01<br>Commission Dec<br>2009/114/EC<br>Commission Dec<br>2009/766/EC<br>Commission Dec<br>2011/251/EC<br>Commission Dec<br>2010/166/EC |
| 890 - 960            | FIXED<br>MOBILE except aeronautical mobile<br>5.317A<br>Radiolocation (890-942 MHz)   | FIXED<br>MOBILE<br><br>GSM – (880-915 and 925-960 MHz)<br><br><br><br><br><br><br><br><br><br>- Wideband Digital Land Mobile<br>PMR/PAMR (915-921 MHz)   | ERC/DEC/(94)01<br>ECC/DEC/(08)08<br>CEPT T/R 75-02<br>ECC/REC(05)01<br>ECC/DEC/(06)13<br>Commission Dec<br>2009/114/EC<br>ECC/DEC (12)01<br>ERC/DEC/(97)02<br>Commission Dec<br>2009/766/EC<br>Commission Dec<br>2011/251/EC<br>ECC/DEC/(11)04<br>Commission Dec<br>2010/166/EC  |
| 960 - 1215           | AERONAUTICAL MOBILE (R) 5.327A<br>AERONAUTICAL RADIONAVIGATION<br>5.328<br><br>5.328A, 5.A25  | AERONAUTICAL RADIONAVIGATION   | Flight, Safety and<br>Navigation Systems<br>DME,TACAN,SSR<br>ICAO Annex 10   |
| 1164 - 1215          | AERONAUTICAL RADIONAVIGATION<br>5.328<br>RADIONAVIGATION-SATELLITE (space<br>to Earth) (space to space) 5.328B<br>5.328A  | AERONAUTICAL RADIONAVIGATION   | Flight, Safety and<br>Navigation Systems<br>DME,TACAN,SSR<br>ICAO Annex 10   |
| 1215 - 1240          | RADIOLOCATION<br>RADIONAVIGATION-SATELLITE (space<br>to earth) (space to space)<br>5.328B 5.329 5.329A<br><br>EARTH EXPLORATION-SATELLITE<br>(active)<br>SPACE RESEARCH (active)<br><br>5.332 | RADIOLOCATION<br>RADIONAVIGATION-SATELLITE (space<br>to earth)<br><br>- GPS - Global Positioning System  |  |

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|----------------------|--|-----------------------------------|--|
| 1240 - 1300          | RADIOLOCATION<br>RADIONAVIGATION-SATELLITE (space to earth) (space to space) 5.329<br>5.329A<br>EARTH EXPLORATION-SATELLITE (active)<br>SPACE RESEARCH (active)<br>Amateur<br><br>5.282, 5.332, 5.335A | RADIOLOCATION<br><br>Amateur      | Amateur reg.<br>CEPT T/R 61-01                             |
| 1300 - 1350          | AERONAUTICAL RADIONAVIGATION 5.337<br>RADIONAVIGATION –SATELLITE (Earth to space)<br>RADIOLOCATION<br><br>5.149, 5.337A  | RADIOLOCATION                     |  |
| 1350 - 1400          | FIXED<br><br>MOBILE<br>RADIOLOCATION<br><br>5.339, 5.149, 5.338A   | FIXED<br><br>RADIOLOCATION        | CEPT T/R 13-01<br>Annex A and B                            |
| 1400 - 1427          | EARTH EXPLORATION-SATELLITE (passive)<br>RADIO ASTRONOMY<br>SPACE RESEARCH (passive)<br><br>5.340, 5.341   |                                   |  |
| 1427 - 1429          | FIXED<br>SPACE OPERATION (earth to space)<br>MOBILE except aeronautical mobile<br><br>5.341, 5.338A  | FIXED                             | CEPT T/R 13-01<br>Annex A and B                            |
| 1429 - 1452          | FIXED<br>MOBILE except aeronautical mobile<br>5.R1a<br><br>5.341, 5.338A,  | FIXED                             | CEPT T/R 13-01<br>Annex A and B                            |
| 1452 - 1492          | FIXED<br>MOBILE except aeronautical mobile<br>5.R1b<br>BROADCASTING 5.345<br>BROADCASTING SATELLITE SERVICE 5.345<br>5.341   | MOBILE (MFCN SDL)                 | ECC/DEC (13)03<br>Commission Dec 2015/750/EC               |
| 1492 - 1518          | FIXED<br>MOBILE except aeronautical mobile<br>5.R1a<br><br>5.341   | FIXED<br><br>- MSS 1518-1525 MHz  | CEPT T/R 13-01<br>Annex A and B                            |
| 1518 - 1525          | FIXED<br>MOBILE except aeronautical mobile<br>MOBILE-SATELLITE (space to Earth)<br>5.348 5.348A 5.348B 5.351A<br><br>5.341   | -MSS                              | ECC/DEC/(04)09<br>ECC/DEC (12)01                           |
| 1525 - 1530          | SPACE OPERATION (space to earth)<br>FIXED<br>MOBILE-SATELLITE (space to earth)<br>5.351A<br>Earth Exploration-Satellite<br>Mobile except aeronautical mobile<br><br>5.341, 5.351, 5.354                | MOBILE-SATELLITE (space to earth) | INMARSAT earth Stations<br>ECC/DEC(02)08<br>ECC/DEC (12)01 |

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| Frequency band (MHz) | Allocation RR Region 1   | National use  | Notes  |
|----------------------|--|---|--|
| 1530 - 1535          | SPACE OPERATION (space to earth)<br>MOBILE-SATELLITE (space to earth)<br>S5.353A S5.351A<br>Earth Exploration-Satellite<br>Fixed<br>Mobile except aeronautical mobile<br><br>5.341, 5.351, 5.354 | MOBILE-SATELLITE (space to earth)   | INMARSAT earth Stations<br>ECC/DEC(02)08<br>ECC/DEC (12)01           |
| 1535 - 1559          | MOBILE-SATELLITE (space to earth)<br><br>5.341, 5.351, 5.354, 5.356, 5.357,<br>5.362A, 5.351A  | MOBILE-SATELLITE (space to earth)   | INMARSAT earth Stations<br>ECC/DEC(02)08<br>ECC/DEC (12)01           |
| 1559 - 1610          | AERONAUTICAL RADIONAVIGATION<br>RADIONAVIGATION-SATELLITE (space to earth) (space to space) 5.328B<br>5.208B 5.329A<br><br>5.341   | RADIONAVIGATION-SATELLITE (space to earth)<br><br>- GPS - Global Positioning System |  |
| 1610 - 1610.6        | MOBILE SATELLITE (earth to space)<br>5.351A<br>AERONAUTICAL RADIONAVIGATION<br><br>5.341, 5.364, 5.366, 5.367, 5.368,<br>5.371, 5.372  | MOBILE SATELLITE (earth to space)   | ECC/DEC (12)01<br>ECC/DEC/(09)02<br>ECC/DEC/(04)08                   |
| 1610.6 - 1613.8      | MOBILE SATELLITE (earth to space)<br>5.351A<br>RADIO ASTRONOMY<br>AERONAUTICAL RADIONAVIGATION<br><br>5.341, 5.364, 5.366, 5.367, 5.368,<br>5.371, 5.372, 5.149                                  | MOBILE SATELLITE (earth to space)   | ECC/DEC (12)01<br>ECC/DEC/(09)02<br>ECC/DEC/(04)08                   |
| 1613.8 - 1626.5      | MOBILE SATELLITE (earth to space)<br>5.351A<br>AERONAUTICAL RADIONAVIGATION<br>Mobile-Satellite (space to earth)<br><br>5.341, 5.364, 5.365, 5.366, 5.367,<br>5.368, 5.371, 5.372                | MOBILE SATELLITE (earth to space)   | ECC/DEC (12)01<br>ECC/DEC/(09)02<br>ECC/DEC/(09)04<br>ECC/DEC/(04)08 |
| 1626.5 - 1660        | MOBILE-SATELLITE (earth to space)<br><br>5.341, 5.351, 5.354, 5.353A, 5.351A ,<br>5.357A , 5.374, 5.375, 5.376   | MOBILE-SATELLITE (earth to space)   | ECC/DEC(02)08<br>ECC/DEC (12)01                                      |
| 1660 - 1660.5        | MOBILE-SATELLITE (earth to space)<br>5.351A<br>RADIO ASTRONOMY<br><br>5.149, 5.341, 5.351,5.354, 5.576A  |   | ECC/DEC(02)08<br>ECC/DEC (12)01                                      |
| 1660.5 - 1668.4      | RADIO ASTRONOMY<br>SPACE RESEARCH (passive)<br>Fixed<br>Mobile except aeronautical mobile<br><br>5.149, 5.341, 5.379A  |   |  |
| 1668.4 - 1670        | METOROLOGICAL AIDS<br>FIXED<br>MOBILE except aeronautical mobile<br>RADIO ASTRONOMY<br><br>5.341   |   |  |
| 1670 - 1675          | METEOROLOGICAL AIDS<br>FIXED<br>METEOROLOGICAL-SATELLITE (space to earth)<br>MOBILE<br><br>5.341   | MOBILE<br><br>- MSS 1670-1675 MHz   | ECC/DEC/(04)09<br>ECC/DEC (12)01                                     |

| Frequency band (MHz) | Allocation RR Region 1   | National use  | Notes  |
|----------------------|--|---|--|
| 1675 - 1690          | METEOROLOGICAL AIDS<br>FIXED<br>METEOROLOGICAL-SATELLITE (space to earth)<br>MOBILE except aeronautical mobile<br><br>5.341        |   |  |
| 1690 - 1700          | METEOROLOGICAL AIDS<br>METEOROLOGICAL-SATELLITE (space to earth)<br>Fixed<br>Mobile except aeronautical mobile<br><br>5.289, 5.341 |   |  |
| 1700 - 1710          | FIXED<br>METEOROLOGICAL-SATELLITE (space to earth)<br>MOBILE except aeronautical mobile<br><br>5.289, 5.341                        |   |  |
| 1710 - 1980          | FIXED<br><br>MOBILE 5.384A, 5.388A<br><br><br><br><br><br><br><br><br><br>5.149, 5.341, 5.385, 5.388                               | MOBILE<br><br>- GSM1800 1710-1785 and 1805-1880 MHz<br><br>- DECT - Digital European Cordless Telecommunication System. (1880-1900 MHz)<br><br>- UMTS - Universal Mobile Telecommunications System (1900-1980 MHz)<br><br>- Radio microphones 1785-1800 MHz<br>- Audio applications 1795-1800 MHz | ERC/DEC/(95)03<br>ECC/REC/(05)01<br>ECC/DEC/(06)13<br>ECC/DEC/(06)07<br>ECC/DEC (12)01<br>ECC/DEC/(08)08<br>ERC/DEC/(94)03<br>ERC/DEC/(98)22<br>Commission Dec 2009/766/EC<br>Commission Dec 2011/251/EC<br>Commission Dec 2008/294/EC<br>Commission Dec 2008/295/EC<br>Commission Dec 2010/166/EC<br>CEPT T/R 22-02<br>ERC/REC 21-13<br>ECC/DEC/(06)01<br>Commission Dec 2012/688/EC<br>ECC/REC/(02)10<br>ECC/DEC (12)01<br>ERC/REC 70-03<br>Commission Dec 2014/641/EU<br>Commission Dec 2013/654/EC<br>Commission Dec 2013/654/EC |
| 1980 - 2010          | FIXED<br>MOBILE<br>MOBILE-SATELLITE (earth to space)<br>5.351A<br><br><br><br><br><br><br>5.388, 5.389A,                           | MOBILE<br>MOBILE-SATELLITE (earth to space)<br><br><br><br><br><br><br><br><br><br>- UMTS - Universal Mobile Telecommunications System (1885-2025 MHz)  | ECC/REC/(06)05<br>Commission Dec 2007/98/EC<br>ECC/DEC/(06)09<br>ECC/DEC/(06)10<br>ECC/DEC (12)01  |

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|----------------------|---|---|---|
| 2010 - 2025          | FIXED<br>MOBILE 5.388A<br><br>5.388   | MOBILE<br><br>- UMTS - Universal Mobile Tele-communications System (2010-2025 MHz)  | .<br>ECC/DEC/(06)01<br>ECC/REC/(02)10<br>ECC/DEC (12)01   |
| 2025 - 2110          | FIXED<br><br>SPACE OPERATION (earth to space)<br>(space to space)<br>EARTH EXPLORATION-SATELLITE<br>(earth to space) (space to space)<br>MOBILE 5.391<br>SPACE RESEARCH (earth to space)<br>(space to space)<br><br>5.392 | FIXED   | CEPT T/R 13-01<br>Annex C..   |
| 2110 - 2120          | FIXED<br>MOBILE 5.388A<br><br>SPACE RESEARCH (deep space) (earth<br>to space)<br><br>5.388  | MOBILE<br><br>- UMTS - Universal Mobile Tele-communications System (2110-2170 MHz)  | ECC/DEC/(06)01<br>Commission Dec<br>2012/688/EC<br>ECC/DEC (12)01<br>Commission Dec<br>2013/654/EC        |
| 2120 - 2170          | FIXED<br>MOBILE 5.388A<br><br>5.388   | MOBILE<br><br>- UMTS - Universal Mobile Tele-communications System (2110-2170 MHz)  | ECC/DEC/(06)01<br>ECC/DEC (12)01<br>Commission Dec<br>2013/654/EC   |
| 2170 - 2200          | FIXED<br>MOBILE<br>MOBILE-SATELLITE (space to earth)<br>5.351A<br><br>5.388, 5.389A   | MOBILE<br>MOBILE-SATELLITE (space to earth)<br><br><br>- UMTS - Universal Mobile Tele-communications System (2110-2200 MHz) | .<br>ECC/DEC/(06)10<br>ECC/REC/(06)05<br>Commission Dec<br>2007/98/EC<br>ECC/DEC/(06)09<br>ECC/DEC (12)01 |
| 2200 - 2290          | FIXED<br><br>SPACE OPERATION (space to earth)<br>(space to space)<br>EARTH EXPLORATION-SATELLITE<br>(space to earth) (space to space)<br>MOBILE 5.391<br>SPACE RESEARCH (space to earth)<br>(space to space)<br><br>5.392 | FIXED   | CEPT T/R 13-01<br>Annex C.  |
| 2290 - 2300          | FIXED<br>MOBILE except aeronautical mobile<br>SPACE RESEARCH (deep space)<br>(space to earth)   |   |   |

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| Frequency band (MHz) | Allocation RR Region 1   | National use   | Notes  |
|----------------------|--|--|--|
| 2300 - 2400          | FIXED<br>MOBILE 5.384A<br>Amateur<br><br>Radiolocation<br><br>5.150  | FIXED<br>MOBILE (MFCN)<br>Amateur  | TV links<br>ECC/DEC (14)02   |
| 2400 - 2450          | FIXED<br>MOBILE<br>Radiolocation<br><br><br><br>Amateur<br><br>5.150   | SRD – Short Range Devices<br>(2400-2483.5 MHz)<br>RLAN – Radio Local Area Network<br>(2400-2483.5 MHz)<br>RFID – 2446-2454 MHz<br><br>ISM - Industrial Scientific and Medical<br>applications (2400-2483.5 MHz)<br><br>Amateur | CEPT T/R 70-03<br>ERC/DEC (01)08<br>Commision Dec<br>2006/771/EC +<br>amendments<br><br><br>Amateur Reg.<br>CEPT T/R 61-01 |
| 2450 - 2483.5        | FIXED<br>MOBILE<br>Radiolocation<br><br><br><br>5.150  | SRD – Short Range Devices<br>(2400-2483.5 MHz)<br>RLAN – Radio Local Area Network<br>(2400-2483.5 MHz)<br>RFID – 2446-2454 MHz<br>ISM - Industrial Scientific and Medical<br>applications (2400-2483.5 MHz)                    | CEPT T/R 70-03<br>ERC/DEC (01)08<br>Commision Dec<br>2006/771/EC +<br>amendments   |
| 2483.5 - 2500        | FIXED<br>MOBILE<br>MOBILE-SATELLITE (space to earth)<br>5.351A<br>RADIODETERMINATION-SATELLITE<br>(space to Earth) 5.398<br>Radiolocation<br><br>5.150, 5.371, 5.399, 5.402  | MOBILE-SATELLITE (space to earth)  | ECC/DEC (12)01<br>ECC/DEC/(09)02<br>ECC/DEC/(04)08<br>Commision Dec<br>2006/771/EC +<br>amendments                         |
| 2500 - 2520          | FIXED 5.410<br>MOBILE except aeronautical mobile<br>5.384A<br>MOBILE-SATELLITE<br><br>5.403, 5.414, 5.351A   | FIXED<br>MOBILE (2500-2690 MHz IMT)  | MVDS<br><br>from 1.1.2005  |
| 2520 - 2655          | FIXED 5.410<br>MOBILE except aeronautical mobile<br>5.384A<br>BROADCASTING-SATELLITE 5.423,<br>5.416<br><br>5.339, 5.403, 5.418B, 5.418C   | FIXED<br>MOBILE (2500-2690 MHz IMT)  | MVDS<br>ECC/REC/(03)03   |
| 2655 - 2670          | FIXED 5.410<br><br>MOBILE except aeronautical mobile<br>5.384A<br>BROADCASTING-SATELLITE 5.413,<br>5.416<br>Earth Exploration-Satellite (passive)<br>Radio Astronomy<br>Space Research (passive)<br><br>5.149, 5.420 | FIXED<br>MOBILE (2500-2690 MHz IMT)  | MVDS<br>ECC/REC/(03)03   |

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|----------------------|--|--|---|
| 2670 – 2690          | FIXED 5.410<br><br>MOBILE except aeronautical mobile 5.384A<br>MOBILE-SATELLITE (earth to space) 5.351A<br>Earth Exploration-Satellite (passive)<br>Radio Astronomy<br>Space Research (passive)<br><br>5.149, 5.419, 5.420 | FIXED<br><br>MOBILE (2500-2690 MHz IMT)  | MVDS<br>ECC/REC/(03)03  |
| 2690 - 2700          | EARTH EXPLORATION-SATELLITE (passive)<br>RADIO ASTRONOMY<br>SPACE RESEARCH (passive)<br><br>5.340  |  |   |
| 2700 - 2900          | AERONAUTICAL RADIONAVIGATION 5.337<br>Radiolocation<br>5.423   | AERONAUTICAL RADIONAVIGATION<br><br>Radiolocation  | Navigation System<br><br>Meteorolog. radar<br>ECC/REC/(02)09  |
| 2900 - 3100          | RADIONAVIGATION 5.424A<br>RADIOLOCATION 5.426<br><br>5.425, 5.427  | RADIONAVIGATION  | Radar   |
| 3100 - 3300          | RADIOLOCATION<br>Earth Exploration-Satellite (active)<br>Space Research (active)<br><br>5.428, 5.149   | RADIOLOCATION  | Radar   |
| 3300 - 3400          | RADIOLOCATION<br><br>5.149   | RADIOLOCATION  | Radar   |
| 3400 - 3600          | FIXED<br><br>FIXED-SATELLITE (space to earth)<br><br>MOBILE except aeronautical mobile 5.430A<br>Radiolocation   | FWA – Fixed Wireless Access<br><br>Devices using UWB technology with Low Duty Cycle (LDC) (3400-4800 MHz) <sup>o</sup><br><br>MOBILE (3400-3800 MHz)                                       | ERC Rec 13-04<br>ERC Rec 14-03<br>ECC/REC/(04)05<br>Commision Dec 2008/411/EC<br>Commision Dec 2014/276/EC<br>ERC/DEC/(99)26<br>ECC/DEC/(06)04<br>ECC/DEC/(06)12<br>ECC/DEC/(07)01<br>ECC/DEC (11)03                      |
| 3600 - 4200          | FIXED<br><br>FIXED-SATELLITE (space to earth)<br><br>Mobile  | FIXED<br><br>FIXED-SATELLITE (space to earth)<br>- ESV 3700-4200 MHz down link<br><br>Devices using UWB technology with Low Duty Cycle (LDC) (3400-4800 MHz)<br><br>MOBILE (3400-3800 MHz) | Rec. ITU-R 382-6<br>ECC/REC/(04)05<br>ERC/REC 12-08<br>ECC/DEC/(05)09<br>Commision Dec 2008/411/EC<br>Commision Dec 2014/276/EC<br>ERC/DEC/(99)26<br>ECC/DEC/(06)04<br>ECC/DEC/(06)12<br>ECC/DEC/(07)01<br>ECC/DEC (11)03 |
| 4200 - 4400          | AERONAUTICAL MOBILE (R)5.A117<br>AERONAUTICAL RADIONAVIGATION 5.438<br><br>5.440, 5.B117   | AERONAUTICAL MOBILE (R)<br>AERONAUTICAL RADIONAVIGATION<br><br>Devices using UWB technology with Low Duty Cycle (LDC) (3400-4800 MHz)  | WAIC<br>Radar<br>Radio Altimeters<br><br>ECC/DEC/(06)04<br>ECC/DEC/(06)12<br>ECC/DEC/(07)01   |

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|----------------------|--|--|---|
| 4400 - 4500          | FIXED<br>MOBILE  | Devices using UWB technology with Low Duty Cycle (LDC) (3400-4800 MHz)   | ECC/DEC/(06)04<br>ECC/DEC/(06)12<br>ECC/DEC/(07)01  |
| 4500 - 4800          | FIXED<br>FIXED-SATELLITE (space to earth) 5.441<br>MOBILE  | Devices using UWB technology with Low Duty Cycle (LDC) (3400-4800 MHz)<br><br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)                   | RR Appendix S30B<br><br>ECC/DEC/(06)04<br>ECC/DEC/(06)12<br>ECC/DEC/(07)01<br>ERC/REC 70-03<br>Commision Dec 2006/771/EC + amendments                   |
| 4800 - 4990          | FIXED<br>MOBILE 5.442<br>Radio Astronomy<br><br>5.339, 5.149   | SRD – Tank Level Probing Radar (4.5 – 7 GHz)   | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments  |
| 4990 - 5000          | FIXED<br>MOBILE except aeronautical mobile<br>RADIO ASTRONOMY<br>Space Research (passive)<br><br>5.149   | SRD – Tank Level Probing Radar (4.5 – 7 GHz)   | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments  |
| 5000 - 5010          | AERONAUTICAL MOBILE-SATELLITE (R) 5.443AA<br>AERONAUTICAL RADIONAVIGATION<br>RADIONAVIGATION-SATELLITE (Earth to space)  | AERONAUTICAL RADIONAVIGATION<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)   | ICAO Annex 10<br>CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments   |
| 5010 – 5030          | AERONAUTICAL MOBILE-SATELLITE (R) 5.443AA<br>AERONAUTICAL RADIONAVIGATION<br>RADONAVIGATION-SATELLITE (space to Earth) (space to space) 5.328B 5.443B          | AERONAUTICAL RADIONAVIGATION<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)   | ICAO Annex 10<br>CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments   |
| 5030 – 5091          | AERONAUTICAL-MOBILE (R) 5.443C<br>AERONAUTICAL MOBILE-SATELLITE (R) 5.443AA<br>AERONAUTICAL RADIONAVIGATION<br>5.444 5.444A                                    | AERONAUTICAL RADIONAVIGATION<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)   | ICAO Annex 10<br>CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments   |
| 5091 – 5150          | FIXED-SATELLITE (Earth to space) 5.444A<br>AERONAUTICAL-MOBILE 5.444B<br>AERONAUTICAL MOBILE-SATELLITE (R) 5.443AA<br>AERONAUTICAL RADIONAVIGATION<br>5.444    | AERONAUTICAL RADIONAVIGATION<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)   | ICAO Annex 10<br>CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments   |
| 5150 - 5250          | AERONAUTICAL RADIONAVIGATION<br>MOBILE except aeronautical mobile<br>5.446A 5.446B<br><br>FIXED-SATELLITE (Earth to space) 5.447A<br><br>5.446, 5.447B, 5.447C | MOBILE<br><br>- HIBERLAN – High Performance Radio Local Area Network<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)<br>- WAS/RLAN<br>- BBDR | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments<br>ECC/DEC/(04)08<br>Commission Dec 2005/513/EC<br>Commission Dec 2007/90/EC<br>ECC/REC (08)04 |

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| Frequency band (MHz) | Allocation RR Region 1   | National use  | Notes   |
|----------------------|--|---|---|
| 5250 - 5255          | EARTH EXPLORATION-SATELLITE (active)<br>MOBILE except aeronautical mobile 5.446A 5.447F<br>RADIOLOCATION<br>SPACE RESEARCH 5.447D<br><br>5.448A  | - HIBERLAN – High Performance Radio Local Area Network<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)<br><br>- WAS/RLAN  | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments<br>ECC/DEC/(04)08<br>Commission Dec 2005/513/EC<br>Commission Dec 2007/90/EC |
| 5255 - 5350          | EARTH EXPLORATION-SATELLITE (active)<br>MOBILE except aeronautical mobile 5.446A 5.447F<br>RADIOLOCATION<br>SPACE RESEARCH (active)<br><br>5.448A  | - HIBERLAN – High Performance Radio Local Area Network<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)<br><br>- WAS/RLAN  | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments<br>ECC/DEC/(04)08<br>2005/513/EC<br>2007/90/EC                               |
| 5350 - 5460          | AERONAUTICAL RADIONAVIGATION 5.449<br>EARTH EXPLORATION-SATELLITE (active) 5.448B<br>RADIOLOCATION 5.448D<br>SPACE RESEARCH (active) 5.448C  | SRD – Tank Level Probing Radar (4.5 – 7 GHz)  | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments  |
| 5460 - 5470          | RADIONAVIGATION 5.449<br>EARTH EXPLORATION-SATELLITE (active)<br>RADIOLOCATION 5.448D<br>SPACE RESEARCH (active) 5.448B  | Radiolocation<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)   | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments  |
| 5470 - 5570          | MARITIME RADIONAVIGATION<br>EARTH EXPLORATION-SATELLITE (active)<br>RADIOLOCATION 5.450B<br>SPACE RESEARCH (active)<br>MOBILE except aeronautical mobile 5.446A 5.450A<br>5.448B 5.450 5.451 | - HIERLAN – High Performance Radio Local Area Network<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)<br><br>- WAS/RLAN   | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments<br>ECC/DEC/(04)08<br>2005/513/EC   |
| 5570 – 5650          | MOBILE except aeronautical mobile 5.446A 5.450A<br>RADIOLOCATION 5.450B<br>MARITIME RADIONAVIGATION<br><br>5.452   | - HIERLAN – High Performance Radio Local Area Network<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)<br><br>- WAS/RLAN   | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments<br>ECC/DEC/(04)08<br>2005/513/EC   |
| 5650 - 5725          | RADIOLOCATION<br>Amateur<br>Space Research (deep space)<br>MOBILE except aeronautical mobile 5.446A 5.450A<br><br>5.282  | - HIBERLAN – High Performance Radio Local Area Network<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)<br><br>- WAS/RLAN  | CEPT T/R 70-03<br>ERC DEC (99)23<br>Commision Dec 2006/771/EC + amendments<br>ECC/DEC/(04)08<br>2005/513/EC                           |
| 5725 - 5830          | FIXED-SATELLITE (earth to space)<br>RADIOLOCATION<br>Amateur<br><br>5.150  | Amateur<br><br>SRD – Short Range Devices (5725-5875 MHz)<br>SRD – Tank Level Probing Radar (4.5 – 7 GHz)<br>ISM - Industrial, Scientific and Medical applications (5725-5875 MHz) | CEPT T/R 70-03<br>ECC/REC(06)04<br>Commision Dec 2006/771/EC + amendments   |

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| 5830 - 5850          | FIXED-SATELLITE (earth to space)<br>RADIOLOCATION<br>Amateur<br>Amateur-Satellite (space to earth)<br><br>5.150        | Amateur<br><br>SRD – Short Range Devices<br>(5725-5875 MHz)<br>SRD – Tank Level Probing Radar<br>(4.5 – 7 GHz)<br>ISM - Industrial, Scientific and Medical<br>applications (5725-5875 MHz)  | CEPT T/R 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments<br>ECC/REC(06)04  |
| 5850 - 5925          | FIXED<br>FIXED-SATELLITE (earth to space)<br>MOBILE<br><br>5.150   | SRD – Short Range Devices<br>(5725-5875 MHz)<br>SRD – Tank Level Probing Radar<br>(4.5 – 7 GHz)<br>ISM - Industrial, Scientific and Medical<br>applications (5725-5875 MHz)<br>ITS - Intelligent Transport System<br>(5875-5925 MHz)<br>ITS - Intelligent Transport System<br>(5855-5875 MHz) | CEPT T/R 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments<br>ECC/REC(06)04<br>ECC/DEC/(08)01<br>2008/671/EC<br>ECC/REC/(08)01 |
| 5925 - 6700          | FIXED 5.457<br><br>FIXED-SATELLITE (earth to space)<br>5.457A<br><br>MOBILE<br><br>5.149, 5.440, 5.458,                | FIXED<br>(6425-7110 MHz)<br>(5925-6425 MHz)<br>FIXED-SATELLITE (earth to space)<br>- ESV 5925-6425 MHz uplink<br><br>SRD – Tank Level Probing Radar<br>(4.5 – 7 GHz)  | ERC/REC 14-02<br>ERC/REC 14-01<br>ECC/DEC/(05)09<br><br>CEPT T/R 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments             |
| 6700 - 7075          | FIXED<br><br>FIXED-SATELLITE (earth to space)<br>(space to earth) 5.441<br>MOBILE<br><br>5.458, 5.458A, 5.458B, 5.458C | FIXED<br>(6425-7125 MHz)<br>SRD – Tank Level Probing Radar<br>(4.5 – 7 GHz)   | ERC/REC 14-02<br>CEPT T/R 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments  |
| 7075 - 7145          | FIXED<br><br>MOBILE<br><br>5.458, 5.460  | FIXED<br>(6425-7125 MHz)<br>(7125-7750 MHz)   | ERC/REC 14-02<br>ECC/REC (02)06<br>Commision Dec<br>2006/771/EC +<br>amendments  |
| 7145 – 7190          | FIXED<br>MOBILE<br>SPACE RESEARCH 5.460<br><br>5.458,  | FIXED<br>(7125-7750 MHz)  | ERC/REC 14-02 ECC/REC<br>(02)06<br>Commision Dec<br>2006/771/EC +<br>amendments  |
| 7190 - 7235          | FIXED<br>MOBILE<br>SPACE RESEARCH 5.460<br>EARTH-EXPLORATION-SATELLITE<br>(Earth to space) 5.A111<br>5.458             | FIXED<br>(7125-7750 MHz)  |  |
| 7235 - 7250          | FIXED<br>EARTH-EXPLORATION-SATELLITE<br>(Earth to space) 5.A111<br><br>MOBILE<br><br>5.458                             | FIXED<br>(7125-7750 MHz)  | ERC/REC 14-02<br>ECC/REC (02)06<br>Commision Dec<br>2006/771/EC +<br>amendments  |

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| 7250 - 7300          | FIXED<br>FIXED-SATELLITE (space to Earth)<br>MOBILE<br><br>5.461   | FIXED<br>(7125-7750 MHz)                                     | ERC/REC 14-02<br>ECommision Dec<br>2006/771/EC +<br>amendmentsCC/REC<br>(02)06       |
| 7300 - 7375          | FIXED<br><br>FIXED-SATELLITE (space to earth)<br>MOBILE except aeronautical mobile<br>MARITIME MOBILE-SATELLITE (space<br>to Earth) 5.A192 5.B19<br>5.461  | FIXED<br>(7125-7750 MHz)<br>FIXED-SATELLITE (space to earth) | ERC/REC 14-02 ECC/REC<br>(02)06<br>Commision Dec<br>2006/771/EC +<br>amendments      |
| 7375 – 7450          | FIXED<br><br>FIXED-SATELLITE (space to earth)<br>MOBILE except aeronautical mobile<br>MARITIME MOBILE-SATELLITE (space<br>to Earth) 5.A192 5.B19<br><br>5.461  |  |  |
| 7450 - 7550          | FIXED<br><br>FIXED-SATELLITE (space to earth)<br>METEOROLOGICAL-SATELLITE (space<br>to earth)<br>MOBILE except aeronautical mobile<br>MARITIME MOBILE-SATELLITE (space<br>to Earth) 5.A192 5.B19<br><br>5.461A | FIXED<br>(7125-7750 MHz)                                     | ERC/REC 14-02 ECC/REC<br>(02)06<br>Commision Dec<br>2006/771/EC +<br>amendments      |
| 7550 - 7750          | FIXED<br><br>FIXED-SATELLITE (space to earth)<br>MOBILE except aeronautical mobile<br>MARITIME MOBILE-SATELLITE (space<br>to Earth) 5.A192 5.B19   | FIXED<br>(7125-7750 MHz)                                     | ERC/REC 14-02 ECC/REC<br>(02)06<br>Commision Dec<br>2006/771/EC +<br>amendments      |
| 7750 - 7850          | FIXED<br>METEOROLOGICAL-SATELLITE (space<br>to earth) 5.461B<br>MOBILE except aeronautical mobile  | FIXED  | Rec. ITU-R F Commision<br>Dec 2006/771/EC +<br>amendments386-3                       |
| 7850 - 7900          | FIXED<br>MOBILE except aeronautical mobile   | FIXED  | Rec. ITU-R F 386-3   |
| 7900 - 8025          | FIXED<br>FIXED-SATELLITE (earth to space)<br>MOBILE<br><br>5.461   | FIXED  | Rec. ITU-R F 386-3<br>ECC/REC (02)06<br>Commision Dec<br>2006/771/EC +<br>amendments |
| 8025 - 8175          | FIXED<br>FIXED-SATELLITE (earth to space)<br>MOBILE 5.463<br>EARTH EXPLORATION-SATELLITE<br>(space to earth)<br><br>5.462A   | FIXED<br>FIXED-SATELLITE (earth to space)                    | Rec. ITU-R F 386-3<br>ECC/REC (02)06<br>Commision Dec<br>2006/771/EC +<br>amendments |
| 8175 - 8215          | FIXED<br>FIXED-SATELLITE (earth to space)<br>MOBILE 5.463<br>EARTH EXPLORATION-SATELLITE<br>(space to earth)<br>METEOROLOGICAL-SATELLITE (earth<br>to space)<br>5.462A   | FIXED  | Rec. ITU-R F 386-3<br>ECC/REC (02)06<br>Commision Dec<br>2006/771/EC +<br>amendments |

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| 8215 - 8400          | FIXED<br>FIXED-SATELLITE (earth to space)<br>MOBILE<br>EARTH EXPLORATION-SATELLITE (space to earth)<br><br>5.462A                                  | FIXED  | ECC/REC (02)06<br>Commision Dec 2006/771/EC + amendments              |
| 8400 - 8500          | FIXED<br>MOBILE except aeronautical mobile<br>SPACE RESEARCH (space to earth)<br>5.465   | FIXED  | ECC/REC (02)06<br>Commision Dec 2006/771/EC + amendments              |
| 8500 - 8550          | RADIOLOCATION  | RADIOLOCATION<br>SRD – Tank Level Probing Radar (8.5-10.6 GHz)   | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments              |
| 8550 - 8650          | EARTH EXPLORATION-SATELLITE (active)<br>RADIOLOCATION<br>SPACE RESEARCH (active)<br><br>5.463A   | SRD – Tank Level Probing Radar (8.5-10.6 GHz)  | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments              |
| 8650 - 8750          | RADIOLOCATION  | RADIOLOCATION<br>SRD – Tank Level Probing Radar (8.5-10.6 GHz)   | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments              |
| 8750 - 8850          | RADIOLOCATION<br>AERONAUTICAL RADIONAVIGATION 5.470  | RADIOLOCATION<br>AERONAUTICAL RADIONAVIGATION<br>SRD – Tank Level Probing Radar (8.5-10.6 GHz)   | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments              |
| 8850 - 9000          | RADIOLOCATION<br>MARITIME RADIONAVIGATION 5.472  | RADIOLOCATION<br>MARITIME RADIONAVIGATION S5.472<br>SRD – Tank Level Probing Radar (8.5-10.6 GHz)                                      | Radar<br>CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments     |
| 9000 - 9200          | AERONAUTICAL RADIONAVIGATION 5.337<br>RADIOLOCATION  | AERONAUTICAL RADIONAVIGATION<br><br>RADIOLOCATION<br>SRD – Tank Level Probing Radar (8.5-10.6 GHz)                                     | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments              |
| 9200 - 9300          | MARITIME RADIONAVIGATION 5.472<br>RADIOLOCATION<br><br>EARTH EXPLORATION-SATELLITE (active) 5.A112 5.C112 5.B112<br><br>5.474                      | MARITIME RADIONAVIGATION<br>RADIOLOCATION<br><br>- Movement Detection (9200-9975 MHz)<br>SRD – Tank Level Probing Radar (8.5-10.6 GHz) | Radar<br><br>CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments |
| 9300 - 9500          | RADIONAVIGATION<br>RADIOLOCATION<br>EARTH EXPLORATION-SATELLITE (active)<br>SPACE RESEARCH (active)<br>5.427, 5.474, 5.475, 5.475A, 5.475B, 5.476A | RADIONAVIGATION<br>RADIOLOCATION<br><br>- Movement Detection (9200-9975 MHz)<br>SRD – Tank Level Probing Radar (8.5-10.6 GHz)          | Radar<br><br>CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments |
| 9500 - 9800          | RADIONAVIGATION<br>SPACE RESEARCH (active)<br>EARTH EXPLORATION-SATELLITE (active)<br>RADIOLOCATION<br><br>5.476A                                  | RADIONAVIGATION<br><br>RADIOLOCATION<br><br>- Movement Detection (9200-9975 MHz)<br>SRD – Tank Level Probing Radar (8.5-10.6 GHz)      | CEPT T/R 70-03<br>Commision Dec 2006/771/EC + amendments              |

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|----------------------|--|--|--|
| 9800 - 9900          | RADIOLOCATION<br>Earth exploration-satellite (active)<br><br>Fixed<br>Space research (active)<br>5.479 | RADIOLOCATION<br><br>- Movement Detection<br>(9200-9975 MHz)<br>SRD – Tank Level Probing Radar<br>(8.5-10.6 GHz) | CEPT T/R 70-03<br>Commision Dec<br>2006/771/EC +<br>amendments |
| 9900-10000           | EARTH EXPLORATION-SATELLITE<br>(active) 5.A112 5.C112 5.B112<br>RADIOLOCATION<br>Fixed<br>5.479        |  |  |