

Documente de referință și reglementări aplicabile

Reglementări adoptate la nivelul Uniunii Europene (UE)

- Decizia 2010/368/UE - Decizia Comisiei din 30 iunie 2010 de modificare a Deciziei 2006/771/CE de armonizare a spectrului de frecvențe radio în vederea utilizării de dispozitive cu rază mică de acțiune
- Decizia 2008/432/CE - Decizia Comisiei din 23 mai 2008 de modificare a Deciziei 2006/771/CE de armonizare a spectrului de frecvențe radio în vederea utilizării de dispozitive cu rază mică de acțiune
- Decizia 2006/771/CE – Decizia Comisiei din 9 noiembrie 2006 de armonizare a spectrului de frecvențe radio în vederea utilizării de dispozitive cu rază mică de acțiune
- Decizia 2013/752/UE - Decizia de punere în aplicare a Comisiei din 11 decembrie 2013 de modificare a Deciziei 2006/771/CE de armonizare a spectrului de frecvențe radio în vederea utilizării de dispozitive cu rază mică de acțiune și de abrogare a Deciziei 2005/928/CE
- Decizia 1999/569/CE - Decizia Comisiei din 30 mai 2002 privind specificația tehnică de interoperabilitate referitoare la subsistemul control-comandă și semnalizare al sistemului feroviar transeuropean de mare viteză menționat la articolul 6 alineatul (1) din Directiva 96/48/CE a Consiliului
- Decizia 2017/1483/UE - Decizia de punere în aplicare (UE) 2017/1483 a Comisiei din 8 august 2017 de modificare a Deciziei 2006/771/CE de armonizare a spectrului de frecvențe radio în vederea utilizării de dispozitive cu rază mică de acțiune și de abrogare a Deciziei 2006/804/CE
- Decizia 2019/1345/UE - Decizia de punere în aplicare (UE) 2019/1345 a Comisiei din 2 august 2019 de modificare a Deciziei 2006/771/CE în vederea actualizării condițiilor tehnice armonizate de utilizare a spectrului radio pentru dispozitivele cu rază mică de acțiune
- Decizia 2017/899/UE - Decizia (UE) 2017/899 a Parlamentului European și a Consiliului din 17 mai 2017 privind utilizarea benzii de frecvențe de 470-790 MHz în Uniune
- Decizia (UE) 2016/687 - Decizia de punere în aplicare (UE) 2016/687 a Comisiei din 28 aprilie 2016 privind armonizarea benzii de frecvențe de 694-790 MHz pentru sistemele terestre capabile să furnizeze servicii de comunicații electronice pe suport radio în bandă largă și pentru o utilizare națională flexibilă în Uniune
- Decizia 2010/267/UE - Decizia Comisiei din 6 mai 2010 privind condițiile tehnice armonizate de utilizare a benzii de frecvențe 790-862 MHz pentru sistemele terestre capabile să furnizeze servicii de comunicații electronice în Uniunea Europeană
- Decizia 2014/641/UE - Decizia de punere în aplicare a Comisiei din 1 septembrie 2014 privind condițiile tehnice armonizate de utilizare a spectrului de frecvențe radio de către echipamentele

audio pe suport radio utilizate pentru producția de programe și pentru evenimente speciale în Uniune

- Decizia 2018/1538/UE - Decizia de punere în aplicare nr. 1538/2018 privind armonizarea spectrului de frecvențe radio pentru utilizarea de dispozitive cu rază mică de acțiune în benzile de frecvențe de 874-876 și 915-921 MHz
- Directiva 2009/114/CE a Parlamentului European și a Consiliului din 16 septembrie 2009 de modificare a Directivei 87/372/CEE a Consiliului privind benzile de frecvență care urmează să fie rezervate pentru introducerea coordonată în Comunitate a telecomunicațiilor mobile terestre digitale celulare paneuropene publice
- Directiva 87/372/CEE a Consiliului din 25 iunie 1987 privind benzile de frecvență care urmează să fie rezervate pentru introducerea coordonată în Comunitate a telecomunicațiilor mobile terestre digitale celulare paneuropene publice modificată prin Directiva 2009/114/CE
- Decizia 2009/766/CE- Decizia Comisiei din 16 octombrie 2009 privind armonizarea benzilor de frecvențe de 900 MHz și de 1800 MHz pentru sistemele terestre capabile să furnizeze servicii paneuropene de comunicații electronice în cadrul Comunității modificată prin Decizia CE 2011/251/UE
- Decizia UE/2018/637 - DECIZIA de punere în aplicare a Comisiei din 20 aprilie 2018 de modificare a Deciziei 2009/766/CE privind armonizarea benzilor de frecvențe de 900 MHz și de 1800 MHz pentru sistemele terestre capabile să furnizeze servicii paneuropene de comunicații electronice în cadrul Comunității, în ceea ce privește condițiile tehnice relevante pentru internetul obiectelor
- Decizia CE 2010/166/UE - Decizia Comisiei din 19 martie 2010 privind condițiile armonizate de utilizare a spectrului de frecvențe radio pentru exploatarea serviciilor de comunicații mobile la bordul navelor (servicii MCV) în Uniunea Europeană
- Decizia 2017/191/UE - Decizia de punere în aplicare a Comisiei din 1 februarie 2017 de modificare a Deciziei 2010/166/UE pentru a introduce noi tehnologii și benzi de frecvențe pentru serviciile de comunicații mobile la bordul navelor (servicii MCV) în Uniunea Europeană
- Decizia 2013/654/UE - Decizia de punere în aplicare a Comisiei din 12 noiembrie 2013 de modificare a Deciziei 2008/294/CE în vederea includerii unor tehnologii de acces și benzi de frecvențe suplimentare pentru serviciile de comunicații mobile de la bordul aeronavelor modificată prin Decizia (UE) 2016/2317
- Decizia (UE) 2018/661 - Decizia de punere în aplicare a Comisiei din 26 aprilie 2018 de modificare a Deciziei de punere în aplicare (UE) 2015/750 privind armonizarea benzii de frecvențe 1452-1492 MHz pentru sistemele terestre capabile să furnizeze servicii de comunicații electronice în Uniune, în sensul extinderii acesteia la benzile de frecvențe armonizate de 1427-1452 MHz și 1492-1517 MHz
- Decizia (UE) 2015/750 - Decizia de punere în aplicare a Comisiei din 8 mai 2015 privind armonizarea benzii de frecvențe 1452-1492 MHz pentru sistemele terestre capabile să furnizeze servicii de comunicații electronice în Uniune modificată prin Decizia (UE) 2018/661

- Decizia 2007/131/CE - Decizia Comisiei din 21 februarie 2007 privind autorizarea utilizării în condiții armonizate a spectrului de frecvențe radio pentru echipamente care folosesc tehnologia de bandă ultralargă în cadrul Comunității
- Decizia 2008/294/CE - Decizia Comisiei din 7 aprilie 2008 privind condițiile armonizate de utilizare a spectrului de frecvențe radio pentru exploatarea serviciilor de comunicații mobile la bordul aeronavelor (servicii CMA) în Comunitate
- Decizia 2007/98/CE - Decizia Comisiei din 14 februarie 2007 privind utilizarea armonizată a spectrului radio pentru benzile de frecvență de 2 GHz în vederea punerii în aplicare a sistemelor care furnizează servicii mobile prin satelit
- Directiva 91/287/CEE a Consiliului din 3 iunie 1991 privind banda de frecvențe care trebuie stabilită pentru introducerea coordonată a standardelor europene de radiocomunicație digitală fără fir (DECT) în Comunitate
- Decizia 2009/381/CE - Decizia Comisiei din 13 mai 2009 de modificare a Deciziei 2006/771/CE de armonizare a spectrului de frecvențe radio în vederea utilizării de dispozitive cu rază mică de acțiune
- Rec. 91/288/CEE - Recomandarea 91/288/CEE a Consiliului privind introducerea coordonată a radiocomunicației digitale fără fir (DECT) în Comunitate
- Rec. 2010/167/UE - Recomandarea comisiei din 19 martie 2010 privind autorizarea sistemelor destinate serviciilor de comunicații mobile la bordul navelor (servicii MCV)
- Rec. 2008/295/CE - Recomandarea Comisiei din 7 aprilie 2008 privind autorizarea serviciilor de comunicații mobile la bordul aeronavelor (servicii MCA) în Comunitatea Europeană
- Decizia 2012/688/UE - Decizia de punere în aplicare a Comisiei din 5 noiembrie 2012 privind armonizarea benzilor de frecvențe radio 1920 - 1980 MHz și 2110 - 2170 MHz pentru sistemele terestre capabile să furnizeze servicii de comunicații electronice în Uniune
- Decizia 2008/626/CE - Decizia nr. 626/2008/CE a Parlamentului European și a Consiliului din 30 iunie 2008 privind selectarea și autorizarea sistemelor care furnizează servicii mobile de comunicații prin satelit (MSS)
- Decizia 2009/449/CE - Decizia Comisiei din 13 mai 2009 privind selectarea operatorilor de sisteme paneuropene care furnizează servicii mobile prin satelit (MSS)
- Decizia (UE) 2019/784 - Decizia de punere în aplicare a Comisiei din 14 mai 2019 privind armonizarea benzii de frecvențe de 24,25-27,5 GHz pentru sistemele terestre capabile să furnizeze servicii de comunicații electronice pe suport radio în bandă largă în Uniune
- Decizia 2004/545/CE - Decizia Comisiei din 8 iulie 2004 privind armonizarea spectrului radioelectric în banda de frecvențe de 79 GHz în vederea utilizării de către sistemele radar cu rază scurtă de acțiune pentru automobile în Comunitate
- Decizia 2008/477/CE - Decizia Comisiei din 13 iunie 2008 privind armonizarea benzii de frecvențe 2500 - 2690 MHz pentru sistemele terestre capabile să furnizeze servicii de comunicații electronice în cadrul Comunității

- Decizia 2008/411/CE - Decizia Comisiei din 21 mai 2008 privind armonizarea benzii de frecvențe 3400 - 3800 MHz pentru sisteme terestre capabile să furnizeze servicii de comunicații electronice în cadrul Comunității modificată prin Decizia 2014/276/UE și Decizia (UE) 2019/235
- Decizia 2005/513/CE - Decizia Comisiei din 11 iulie 2005 privind folosirea armonizată a spectrului radio în banda de frecvență de 5 GHz pentru punerea în funcțiune a sistemelor de acces fără fir, inclusiv rețelele radio locale (WAS/RLAN) modificată prin Decizia 2007/90/CE
- Decizia 2008/671/CE- Decizia Comisiei din 5 august 2008 privind utilizarea armonizată a spectrului radio în banda de frecvențe 5875 - 5905 MHz pentru aplicațiile sistemelor inteligente de transport (SIT) legate de siguranță
- Decizia 2005/50/CE - Decizia Comisiei din 17 ianuarie 2005 privind armonizarea spectrului în banda de frecvențe de 24 GHz în vederea utilizării pe durată limitată de către sistemele radar cu rază scurtă de acțiune pentru automobile în Comunitate
- Decizia 2011/829/UE- Decizia de punere în aplicare a Comisiei din 8 decembrie 2011 de modificare a Deciziei 2006/771/CE de armonizare a spectrului de frecvențe radio în vederea utilizării de dispozitive cu rază mică de acțiune

Reglementări adoptate la nivelul Conferinței Europene a Administrațiilor de Poștă și Telecomunicații (CEPT)

- ERC/REC 70-03 - ERC Recommendation 70-03 Relating to the use of Short Range Devices (SRD)
- ECC DEC (11)03 - ECC Decision of 24 June 2011 on the harmonised use of frequencies for Citizens' Band (CB) radio equipment, amended on 17 June 2016
- ERC DEC(01)11 - Harmonised frequencies, technical characteristics and exemption from individual licensing of short range devices used for Flying Model control operating in the frequency band 34.995 - 35.225 MHz
- ECC/DEC/(05)08 - The availability of frequency bands for high density applications in the Fixed-Satellite Service (space-to-Earth and Earth-to-space)
- ECC/DEC/(13)01 - The harmonised use, free circulation and exemption from individual licensing of Earth Stations On Mobile Platforms (ESOMPs) within the frequency bands 17.3-20.2 GHz and 27.5-30.0 GHz
- ECC/DEC/(15)04 - The harmonised use, free circulation and exemption from individual licensing of Land and Maritime Earth Stations On Mobile Platforms (ESOMPs) operating with NGSO FSS satellite systems in the frequency ranges 17.3-20.2 GHz, 27.5-29.1 GHz and 29.5-30.0 GHz
- ERC/DEC/(00)07 - The shared use of the band 17.7-19.7 GHz by the fixed service and earth stations of the fixed-satellite service (space-to-Earth)
- ERC/REC 12-03 - Harmonised radio frequency channel arrangements for digital terrestrial fixed systems operating in the band 17.7- 19.7 GHz
- ECC/DEC/(04)10 - The frequency bands to be designated for the temporary introduction of Automotive Short Range Radars (SRR)

- ECC/DEC/(18)06 - Harmonised technical conditions for Mobile/Fixed Communications Networks (MFCN) in the band 24.25-27.5 GHz
- ECC/REC(02)02 – Preferred channel arrangements for fixed service systems (POINT-TO-POINT and POINT-TO-MULTIPOINT) operating in the frequency band 31.0 – 31.3 GHz
- ERC/REC/(01)02 – Preferred channel arrangements for fixed service systems operating in the frequency band 31.8 – 33.4 GHz
- ECC/REC/(11)01 – Guidelines for assignment of frequency blocks for fixed wireless systems in the bands 24.5-26.5 GHz, 27.5-29.5 GHz AND 31.8-33.4 GHz
- ERC/DEC/(00)02 - The use of the band 37.5 - 40.5 GHz by the fixed service and Earth stations of the fixed - satellite service (space-to-Earth)
- ECC/DEC/(02)04 - MEASURING NON-IONISING ELECTROMAGNETIC RADIATION (9 kHz – 300 GHz)
- ERC/DEC/(99)15 - The designation of the harmonised frequency band 40.5 to 43.5 GHz for the introduction of Multimedia Wireless Systems (MWS) and Point-to-Point (P-P) Fixed Wireless Systems
- ECC/REC(01)04 - Recommended guidelines for the accommodation and assignment of multimedia wireless systems (MWS) and point-to-point (P-P) fixed wireless systems in the frequency band 40.5 - 43.5 GHz
- ERC/REC 12–11 - Radio frequency channel arrangements for Fixed Service systems operating in the bands 48.5 to 50.2 GHz / 50.9 to 52.6 GHz
- ECC/DEC/(05) 08 - The availability of frequency bands for high density applications in the Fixed-Satellite Service (space-to-Earth and Earth-to-space)
- ECC/REC/(09)01 – Use of the 57 - 64 GHz frequency band for POINT-TO-POINT fixed wireless systems
- ECC/REC(05)02 – Use of the 64-66 GHz frequency band for fixed service
- ECC/REC/(05)07 – Radio frequency channel arrangements for fixed service systems operating in the bands 71-76 GHz and 81-86 GHz
- ECC/DEC/(16)01 - The harmonised frequency band 76-77 GHz, technical characteristics, exemption from individual licensing and free carriage and use of obstacle detection radars for rotorcraft use
- ECC/DEC/(04)03 - The frequency band 77-81 GHz to be designated for the use of Automotive Short Range Radars
- ECC/REC/(14)01 - Radio frequency channel arrangements for fixed service systems operating in the band 92-95 GHz
- ECC/REC/(18)02 - ECC Recommendation of 14 September 2018 on radio frequency channel/block arrangements for Fixed Service systems operating in the bands 92-94 GHz, 94.1-100 GHz, 102-109.5 GHz and 111.8-114.25 GHz

- ECC/REC/(18)01 - ECC Recommendation of 27 April 2018 on radio frequency channel/block arrangements for Fixed Service systems operating in the bands 130-134 GHz, 141-148.5 GHz, 151.5-164 GHz and 167-174.8 GHz
- ECC/DEC/(11)06 - Harmonised frequency arrangements and least restrictive technical conditions (LRTC) for mobile/fixed communications networks (MFCN) operating in the band 3400-3800 MHz
- Recommendation T/R 25-08 - Planning criteria and cross-border coordination of frequencies for land mobile systems in the range 29.7-470 MHz
- Recommendation T/R 13-01 – Preferred Channel Arrangements for fixed service systems operating in the frequency range 1 - 2.3 GHz
- Recommendation T/R 13-02 - Preferred channel arrangements for Fixed Service systems in the frequency range 22.0-29.5 GHz
- Recommendation T/R 12-01 - Harmonised radio frequency channel arrangements for analogue and digital terrestrial fixed systems operating in the band 37-39.5 GHz

Documente adoptate la nivelul Institutului European de Standardizare în Telecomunicații (ETSI)

- EN 300 330 - Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 302 195 - Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULP-AMI) and accessories (ULP-AMI-P) operating in the frequency range 9 kHz to 315 kHz Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301 783 - Commercially available amateur radio equipment; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 017 - Transmitting equipment for the Amplitude Modulated (AM) sound broadcasting service; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 302 245 - Transmitting equipment for the Digital Radio Mondiale (DRM) sound broadcasting service; Harmonised Standard for access to radio spectrum
- EN 302 536 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 315 kHz to 600 kHz
- EN 300 338 - Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service
- EN 300 065 - Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX); Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of the Directive 2014/53/EU

- EN 300 718 - Avalanche Beacons operating at 457 kHz; Transmitter-receiver systems
- EN 302 608 - Short Range Devices (SRD); Radio equipment for Eurobalise railway systems; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 303 402 - Maritime mobile transmitters and receivers for use in the MF and HF bands; Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of Directive 2014/53/EU
- EN 302 885 - Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands with integrated handheld class H DSC; Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of Directive 2014/53/EU
- EN 302 609 - Short Range Devices (SRD); Radio equipment for Euroloop railway systems; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 433 - Citizens' Band (CB) radio equipment; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 510 - Short Range Devices (SRD); Ultra Low Power Active Medical Membrane Implants (ULP-AMI-M) and Peripherals (ULP-AMI-M-P) operating in the frequency range 30 MHz to 37,5 MHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 422 - Wireless Microphones; Audio PMSE up to 3 GHz; Part 1: Class A Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 300 086 - Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 113 - Land Mobile Service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 219 – Land Mobile Service; Radio equipment transmitting signals to initiate a specific response in the receiver; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 296 - Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 341 – Land Mobile Service; Radio equipment using an integral antenna transmitting signals to initiate a specific response in the receiver; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 390 - Land Mobile Service; Radio equipment intended for the transmission of data (and speech) and using an integral antenna; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

- EN 300 471 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Rules for Access and the Sharing of common used channels by equipment complying with EN 300 113
- EN 301 166 - Land mobile service; Radio equipment for analogue and/or digital communication (speech and/or data) and operating on narrow band channels and having an antenna connector; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 561 - Land Mobile Service; Radio equipment using constant or non-constant envelope modulation operating in a channel bandwidth of 25 kHz, 50 kHz, 100 kHz or 150 kHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 303 039 - Land Mobile Service; Multichannel transmitter specification for the PMR Service; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 220 - Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz;
- EN 300 224 - Land Mobile Service; Radio Equipment for use in a Paging Service operating within the frequency range 25 MHz - 470 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 302 018 - Transmitting equipment for the Frequency Modulated (FM) sound broadcasting service; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 301 357 - Cordless audio devices in the range 25 MHz to 2 000 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 301 842 - Electromagnetic compatibility and Radio spectrum Matters (ERM); VHF air-ground Digital Link (VDL) Mode 4 radio equipment; Technical characteristics and methods of measurement for ground-based equipment
- EN 300 676 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation; Part 1: Technical characteristics and methods of measurement
- EN 301 841 - VHF air-ground Digital Link (VDL) Mode 2; Technical characteristics and methods of measurement for ground-based equipment
- EN 300 152 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Maritime Emergency Position Indicating Radio Beacons (EPIRBs) intended for use on the frequency 121,5 MHz or the frequencies 121,5 MHz and 243 MHz for homing purposes only
- EN 301 842 - Electromagnetic compatibility and Radio spectrum Matters (ERM); VHF air-ground Digital Link (VDL) Mode 4 radio equipment; Technical characteristics and methods of measurement for ground-based equipment
- EN 301 721 - Satellite Earth Stations and Systems (SES); Harmonised Standard for Mobile Earth Stations (MES) providing Low Bit Rate Data Communications (LBRDC) using Low Earth Orbiting

(LEO) satellites operating below 1 GHz frequency band covering the essential requirements of article 3.2 of the Directive 2014/53/EU

- EN 300 162 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands
- EN 300 698 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio telephone transmitters and receivers for the maritime mobile service operating in the VHF bands used on inland waterways; Part 1: Technical characteristics and methods of measurement
- EN 301 178 - Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands (for non-GMDSS applications only); Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301 025 - VHF radiotelephone equipment for general communications and associated equipment for Class "D" Digital Selective Calling (DSC); Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of the Directive 2014/53/EU
- EN 301 929 - VHF transmitters and receivers as Coast Stations for GMDSS and other applications in the maritime mobile service; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 302 885 - Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands with integrated handheld class H DSC; Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of Directive 2014/53/EU
- EN 303 132 - Maritime low power VHF personal locating beacons employing Digital Selective Calling (DSC); Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 303 098 - Maritime low power personal locating devices employing AIS; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 077 - Transmitting equipment for the Digital Audio Broadcasting (DAB) service; Harmonised Standard for access to radio spectrum
- EN 302 617 - Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation; Harmonised Standard for access to radio spectrum
- EN 302 054 - Meteorological Aids (Met Aids); Radiosondes to be used in the 400,15 MHz to 406 MHz frequency range with power levels ranging up to 200 mW; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 302 537 - Ultra Low Power Medical Data Service (MEDS) Systems operating in the frequency range 401 MHz to 402 MHz and 405 MHz to 406 MHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

- EN 301 839 - Ultra Low Power Active Medical Implants (ULP-AMI) and associated Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 066 - Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Float-free maritime satellite Emergency Position Indicating Radio Beacons (EPIRBs) operating in the 406,0 MHz to 406,1 MHz frequency band; Technical characteristics and methods of measurement
- EN 303 520 - Short Range Devices (SRD); Ultra Low Power (ULP) wireless medical capsule endoscopy devices operating in the band 430 MHz to 440 MHz; Harmonised Standard for access to radio spectrum
- EN 303 405 - Land Mobile Service; Analogue and Digital PMR446 Equipment; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 303 505 - Land Mobile Service Broadband radio equipment used for Public Protection and Disaster Relief below 1 GHz Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 300 720 - Ultra-High Frequency (UHF) on-board vessels communications systems and equipment; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 454 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Wide band audio links
- EN 300 442 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Wireless microphones in the 25 MHz to 3 GHz frequency range
- EN 301 908-1 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 1: Introduction and common requirements
- EN 301 908-13 - IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE); Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)
- EN 301 908-14 - IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS)
- EN 301 908-15 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Part 15: Evolved Universal Terrestrial Radio Access (E-UTRA FDD) Repeaters
- EN 301 908-18 - IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 18: E-UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS)
- EN 308 901 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

- EN 301 908-2 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)
- EN 301 908-3 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)
- EN 301 908-11 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 11: CDMA Direct Spread (UTRA FDD) Repeaters
- EN 303 406 - Short Range Devices (SRD); Social Alarms Equipment operating in the frequency range 25 MHz to 1 000 MHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 208 - Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Harmonised Standard for access to radio spectrum
- EN 303 204 - Network Based Short Range Devices (SRD); Radio equipment to be used in the 870 MHz to 876 MHz frequency range with power levels ranging up to 500 mW; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301 502 - Global System for Mobile communications (GSM); Base Station (BS) equipment; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301 511 - Global System for Mobile communications (GSM); Mobile Stations (MS) equipment; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 301 908 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 303 659 - Short Range Devices (SRD) in Data Networks; Radio equipment to be used in the frequency ranges 865-868 MHz and 915-919.4MHz; Harmonised Standard for access to radio spectrum
- EN 302 208 - Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Harmonised Standard for access to radio spectrum
- EN 303 413 - Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers; Radio equipment operating in the 1 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz frequency bands; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 302 645 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices; Global Navigation Satellite Systems (GNSS) Repeaters; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

- EN 302 217 - Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 2: Digital systems operating in frequency bands from 1,3 GHz to 86 GHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 301 908-1 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 1: Introduction and common requirements
- EN 301 901-14 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices; Transport and Traffic Telematics (TTT); Radar equipment operating in the 76 GHz to 77 GHz range; Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS)
- EN 301 901-18 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Part 18: E-UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS)
- EN 301 473 - Satellite Earth Stations and Systems (SES); Harmonised Standard for Aircraft Earth Stations (AES) providing Aeronautical Mobile Satellite Service (AMSS)/ Mobile Satellite Service (MSS) and/or the Aeronautical Mobile Satellite on Route Service (AMS(R)S)/ Mobile Satellite Service (MSS), operating in the frequency band below 3 GHz covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301 681 - Satellite Earth Stations and Systems (SES); Harmonized EN for Mobile Earth Stations (MESs) of Geostationary mobile satellite systems, including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 1,5/1,6 GHz bands under the Mobile Satellite Service (MSS) covering essential requirements under article 3.2 of the R&TTE Directive
- EN 301 426 - Satellite Earth Stations and Systems (SES); Harmonised Standard for Low data rate Land Mobile satellite Earth Stations (LMES) and Maritime Mobile satellite Earth Stations (MMES) not intended for distress and safety communications operating in the 1,5 GHz/1,6 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- ECC/REC/(11)08 - ECC Recommendation of 1 November 2011 on framework for authorisation regime of indoor global navigation satellite system (GNSS) pseudolites in the band 1559-1610 MHz
- EN 301 441 - Satellite Earth Stations and Systems (SES); Harmonised Standard for Mobile Earth Stations (MES), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) operating in the 1,6 GHz/2,4 GHz frequency band under the Mobile Satellite Service (MSS) covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 454 - Meteorological Aids (Met Aids); Radiosondes to be used in the 1 668,4 MHz to 1 690 MHz frequency range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 301 908-21 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 21: OFDMA TDD WMAN (Mobile WiMAX™) FDD User Equipment (UE)

- EN 301 908-22 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 22: OFDMA TDD WMAN (Mobile WiMAX™) FDD Base Stations (BS)
- EN 302 480 - Mobile Communication On Board Aircraft (MCOBA) systems; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 301 406 - Digital Enhanced Cordless Telecommunications (DECT); Harmonized EN for Digital Enhanced Cordless Telecommunications (DECT) covering essential requirements under article 3.2 of the R&TTE Directive; Generic radio
- EN 301 908 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 574 - Satellite Earth Stations and Systems (SES); Harmonised Standard for Mobile Earth Stations (MES) operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to-earth) frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 064 - Wireless Video Links operating in the 1,3 GHz to 50 GHz frequency band; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 300 440 - Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 300 328 - Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 301 559 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Low Power Active Medical Implants (LP-AMI) operating in the frequency range 2 483,5 MHz to 2 500 MHz
- EN 303 203 - Short Range Devices (SRD); Medical Body Area Network Systems (MBANSs) operating in the 2 483,5 MHz to 2 500 MHz range; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301 908-19 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 19: OFDMA TDD WMAN (Mobile WiMAX™) TDD User Equipment (UE)
- EN 301 908-20 - IMT cellular networks; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Part 20: OFDMA TDD WMAN (Mobile WiMAX™) TDD Base Stations (BS)
- EN 302 248 - Navigation radar for use on non-SOLAS vessels; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

- EN 302 752 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Active radar target enhancers; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 443 - Satellite Earth Stations and Systems (SES); Harmonized EN for Very Small Aperture Terminal (VSAT); Transmit-only, transmit-and-receive, receive-only satellite earth stations operating in the 4 GHz and 6 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE Directive
- EN 301 447 - Satellite Earth Stations and Systems (SES); Harmonised Standard for satellite Earth Stations on board Vessels (ESVs) operating in the 4/6 GHz frequency bands allocated to the Fixed Satellite Service (FSS) covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 625 - Electromagnetic compatibility and Radio spectrum Matters (ERM); 5 GHz BroadBand Disaster Relief applications (BBDR); Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 302 372 - Short Range Devices (SRD); Tank Level Probing Radar (TLPR) equipment operating in the frequency ranges 4,5 GHz to 7 GHz, 8,5 GHz to 10,6 GHz, 24,05 GHz to 27 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301 893 - 5 GHz RLAN; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 302 502 - Wireless Access Systems (WAS); 5,8 GHz fixed broadband data transmitting systems; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 300 674 - Transport and Traffic Telematics (TTT); Dedicated Short Range Communication (DSRC) transmission equipment (500 kbit/s / 250 kbit/s) operating in the 5 795 MHz to 5 815 MHz frequency band
- EN 303 258 - Wireless Industrial Applications (WIA); Equipment operating in the 5 725 MHz to 5 875 MHz frequency range with power levels ranging up to 400 mW; Harmonised Standard for access to radio spectrum
- EN 303 316 - Broadband Direct Air-to-Ground Communications; Equipment operating in the 1 900 MHz to 1 920 MHz and 5 855 MHz to 5 875 MHz frequency bands; Beamforming antennas; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 303 339 - Broadband Direct Air-to-Ground Communications; Equipment operating in the 1 900 MHz to 1 920 MHz and 5 855 MHz to 5 875 MHz frequency bands; Fixed pattern antennas; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 303 276 - Maritime Broadband Radiolink operating within the bands 5 852 MHz to 5 872 MHz and/or 5 880 MHz to 5 900 MHz for ships and off-shore installations engaged in coordinated

activities; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

- EN 302 729 - Short Range Devices (SRD); Level Probing Radar (LPR) equipment operating in the frequency ranges 6 GHz to 8,5 GHz, 24,05 GHz to 26,5 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 303 135 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Coastal Surveillance, Vessel Traffic Services and Harbour Radars (CS/VTS/HR); Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 303 213 - Advanced Surface Movement Guidance and Control System (A-SMGCS)
- EN 302 194 - Electromagnetic compatibility and Radio spectrum Matters (ERM); Navigation radar used on inland waterways
- EN 302 326 - Fixed Radio Systems; Multipoint Equipment and Antennas
- EN 302 186 - Satellite Earth Stations and Systems (SES); Harmonised Standard for satellite mobile Aircraft Earth Stations (AESs) operating in the 11/12/14 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 340 - Satellite Earth Stations and Systems (SES); Harmonized EN for satellite Earth Stations on board Vessels (ESVs) operating in the 11/12/14 GHz frequency bands allocated to the Fixed Satellite Service (FSS) covering essential requirements under article 3.2 of the R&TTE directive
- EN 302 448 - Satellite Earth Stations and Systems (SES); Harmonised Standard for tracking Earth Stations on Trains (ESTs) operating in the 14/12 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 977 - Satellite Earth Stations and Systems (SES); Harmonized EN for Vehicle-Mounted Earth Stations (VMES) operating in the 14/12 GHz frequency bands covering the essential requirements of article 3.2 of the R&TTE directive
- EN 303 980 - Satellite Earth Stations and Systems (SES); Harmonised Standard for fixed and in-motion Earth Stations communicating with non-geostationary satellite systems (NEST) in the 11 GHz to 14 GHz frequency bands covering essential requirements of article 3.2 of Directive 2014/53/EU
- EN 301 427 - Satellite Earth Stations and Systems (SES); Harmonised Standard for low data rate Mobile satellite Earth Stations (MES) except aeronautical mobile satellite earth stations, operating in the 11/12/14 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301 428 - Satellite Earth Stations and Systems (SES); Harmonised Standard for Very Small Aperture Terminal (VSAT); Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU

- EN 301 430 - Satellite Earth Stations and Systems (SES); Harmonised Standard for Satellite News Gathering Transportable Earth Stations (SNG TES) operating in the 11 GHz to 12 GHz/13 GHz to 14 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301 459 - Satellite Earth Stations and Systems (SES); Harmonised Standard for Satellite Interactive Terminals (SIT) and Satellite User Terminals (SUT) transmitting towards satellites in geostationary orbit, operating in the 29,5 GHz to 30,0 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301 360 - Satellite Earth Stations and Systems (SES); Harmonised Standard for Satellite Interactive Terminals (SIT) and Satellite User Terminals (SUT) transmitting towards satellites in geostationary orbit, operating in the 27,5 GHz to 29,5 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 303 978 - Satellite Earth Stations and Systems (SES); Harmonized EN for Earth Stations on Mobile Platforms (ESOMP) transmitting towards satellites in geostationary orbit in the 27,5 GHz to 30,0 GHz frequency bands covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 303 979 - Satellite Earth Stations and Systems (SES); Harmonised Standard for Earth Stations on Mobile Platforms (ESOMP) transmitting towards satellites in non-geostationary orbit, operating in the 27,5 GHz to 29,1 GHz and 29,5 GHz to 30,0 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 288 - Short Range Devices; Transport and Traffic Telematics (TTT); Ultra-wideband radar equipment operating in the 24,25 GHz to 26,65 GHz range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 302 858 - Short Range Devices; Transport and Traffic Telematics (TTT); Radar equipment operating in the 24,05 GHz to 24,25 GHz or 24,05 GHz to 24,50 GHz range; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 302 567 - Multiple-Gigabit/s radio equipment operating in the 60 GHz band; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 305 550 - Short Range Devices (SRD); Radio equipment to be used in the 40 GHz to 246 GHz frequency range; Harmonised Standard for access to radio spectrum
- EN 302 686 - Intelligent Transport Systems (ITS); Radiocommunications equipment operating in the 63 GHz to 64 GHz frequency band; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 091 - Short Range Devices; Transport and Traffic Telematics (TTT); Radar equipment operating in the 76 GHz to 77 GHz range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 303 360 - Short Range Devices; Transport and Traffic Telematics (TTT); Radar equipment operating in the 76 GHz to 77 GHz range; Harmonised Standard covering the essential

requirements of article 3.2 of Directive 2014/53/EU; Obstacle Detection Radars for Use on Manned Rotorcraft

- EN 302 264 - Short Range Devices; Transport and Traffic Telematics (TTT); Short Range Radar equipment operating in the 77 GHz to 81 GHz band; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
- EN 301 841-3 VHF air-ground Digital Link (VDL) Mode 2; Technical characteristics and methods of measurement for ground-based equipment; Part 3: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Reglementări adoptate la nivelul Uniunii Internaționale a Telecomunicațiilor (UIT)

- UIT-R F 635 - Radio-frequency channel arrangements based on a homogeneous pattern for fixed wireless systems operating in the 4 GHz (3400-4200 MHz) band
- UIT-R F 382 - Radio-frequency channel arrangements for fixed wireless systems operating in the 2 and 4 GHz bands
- UIT-R F.383 - Radio-frequency channel arrangements for high-capacity fixed wireless systems operating in the lower 6 GHz (5 925 to 6 425 MHz) band
- UIT-R F.384 - Radio-frequency channel arrangements for medium- and high- capacity digital fixed wireless systems operating in the the 6 425-7125 MHz band
- UIT-R F.385 - Radio-frequency channel arrangements for fixed wireless systems operating in the 7 110-7 900 MHz band
- UIT-R F.386 - Radio-frequency channel arrangements for fixed wireless systems operating in the 8 GHz (7 725 to 8 500 MHz) band
- UIT-R F.387 - Radio-frequency channel arrangements for fixed wireless systems operating in the 10.7-11.7 GHz band
- UIT-R F. 497 - Radio-frequency channel arrangements for fixed wireless systems operating in the 13 GHz (12.75-13.25 GHz) frequency band
- UIT-R F.636 - Radio-frequency channel arrangements for fixed wireless systems operating in the 14.4-15.35 GHz band
- UIT-R F.595 - Radio-frequency channel arrangements for fixed wireless systems operating in the 17.7-19.7 GHz frequency band
- UIT-R SA.1260-1 - Feasibility of sharing between active spaceborne sensors and other services in the range 420-470 MHz