Electronic Communications Committee (ECC)
within the European Conference of Postal and
Telecommunications Administrations (CEPT)

european communications office

THE EUROPEAN TABLE OF FREQUENCY ALLOCATIONS AND APPLICATIONS IN THE FREQUENCY RANGE 8.3 kHz to 3000 GHz (ECA TABLE)

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ECA

1 INTRODUCTION

The ECC engages in many objectives. These objectives cover topics such as:

- the development of common European positions and proposals for use in the framework of international regional bodies;
- the harmonisation the use of radio spectrum and satellite orbits within Europe in order to facilitate their efficient use;
- considering the requirements of users and industry;
- the maintenance of a multi-annual Strategic Plan.

In order to achieve these objectives CEPT endorsed in 2002 the principle of adopting a harmonised European Table of Frequency Allocations and Applications to establish a strategic framework for the use of the radio spectrum in Europe. After a detailed review in 2010 of the key principles defining the ECA Table, WG FM concluded at its meeting in February 2011 that the ECA Table should essentially deliver information on the current situation, although some future oriented information could still be maintained for some specific frequency bands.

The task of developing and maintaining the ECA Table is the responsibility of the Working Group Frequency Management (WG FM). Much of this work is carried out by the European Communications Office (ECO) on behalf of WG FM and a fully searchable electronic version of the ECA can be found at: https://efis.cept.org.

The factual information of the ECA Table will typically be updated by the ECO three times a year, after every ECC meeting. These amendments will not require a public consultation. A fundamental update on this Report will be carried out at least after every WRC and will undergo a CEPT wide public consultation.

The present edition of the ECA Table takes into account ECC harmonisation deliverables (ECC/ERC Decisions and Recommendations).

2 EUROPEAN TABLE OF FREQUENCY ALLOCATIONS AND APPLICATIONS

A European Table of Frequency Allocations and Applications for the frequency range 8.3 kHz to 3000 GHz (ECA Table) is provided in the Annex 1 of this Report. Information collected in the ECA Table is intended to reflect the main use of spectrum within CEPT countries. This information can be used for the development or revision of Decisions, Recommendations, Reports and European Common Proposals (ECPs) for future World Radiocommunication Conferences (WRCs) of the ITU and as a reference document when developing national frequency allocation tables and national frequency plans.

3 ITU RADIOCOMMUNICATION CONFERENCES

Due account has been taken of the relevant decisions of past ITU World Radiocommunication Conferences as well as the Regional Radiocommunication Conference Geneva-06. In addition strategies developed by other international organisations for a concerning, in particular, the introduction and development of mobile and mobile-satellite services have been considered.

4 ECC/ERC DECISIONS AND RECOMMENDATIONS

During the preparation and update of the ECA Table account was taken of work already completed by CEPT in respect of systems expected to operate in the given frequency bands. The ECC/ERC Decisions and Recommendations, which are relevant to frequency management issues and which have been incorporated into the Table are listed in Annex 4 of this Report.

Understanding of the term "to designate"

ECC/ERC Decisions that "designate" a frequency band for a harmonised application are intended to foster the deployment of an application to meet a market demand in a harmonised manner throughout CEPT. CEPT countries who declare implementation of an ECC/ERC Decision, commit themselves to make spectrum available for this harmonised application which includes assessing when and where there is a demand for the harmonised service/application and deciding whether that demand is great enough to

exclude other services and applications from the harmonised band. Thus, such ECC/ERC Decisions do not necessarily preclude authorising other uses and applications in the same band, or part(s) thereof on the following conditions:

1. an underlay application (i.e., able to share co-frequency, co-coverage with the application for which the band was designated) may be implemented, preferably subject to prior harmonisation at CEPT level, without affecting the application for which the band is designated, i.e., this underlay system is designed in such a way that they are not causing interference to the application for which the band is designated nor request protection against interference;

2. the deployment of the application for which a band is designated may be constrained geographically in a reasonable extent in order to protect stations of another service/application using the same band;

3. there may be a lack of market demand for the application for which the band is designated in some cases:

    a. absence of demand for deployment in certain geographical areas, thus enabling geographical sharing with other applications;

    b. transition period until equipment are available for the deployment of the harmonised application, so that other applications may be introduced or retained for this temporary period;

    c. in cases where market demand does not fully materialise for the harmonised application, all or parts of the band could be used for alternative applications, having due regard to spectrum use consideration (channelling, guard bands, protection of the harmonised application).

In all these cases, CEPT countries retain the commitment to make their best efforts to make the frequency band available for the application for which the band is designated in due time where the market demand materialises.

Underlay regulations

Underlay regulations by contrast do not "designate" a specific frequency band for a certain usage but rather define conditions of use of the radio spectrum across a relatively wide frequency range. The intentional emissions of underlay applications are not always limited to the boundaries of a specific frequency band, which implies that in some cases underlay regulations cannot be referenced conveniently in a frequency allocation table.

Regulations developed within CEPT for applications using Ultra-Wideband (UWB) technology (e.g. ECC Decision (06)04) typically fit within this regulatory approach. Therefore, with respect to the publication in pdf format of this ERC Report, UWB applications may not be indicated or listed.

5 MILITARY REQUIREMENTS

Liaison with military authorities from CEPT countries has also been necessary in view of their use of, and requirements in, the relevant frequency ranges. Although no single representative military body exists for all CEPT countries, the North Atlantic Treaty Organisation (NATO) has a Joint Civil/Military Frequency Agreement (NATO Joint Civil/Military Frequency Agreement (NJFA) 2021, Extract for Public Disclosure, 3 July 2023), which is taken into account by European NATO nations as a base contribution for radio frequency planning and policy making. A forum that allows both civil and military frequency managers from all CEPT countries to meet has also been established by CEPT. This forum, the civil/military meeting, considers requirements for harmonised military use of spectrum to meet the needs of both NATO and non-NATO CEPT countries and invites WG FM to consider follow-up actions. Military requirements vary both between activities and countries. In some countries national requirements may be more than those indicated in the ECA Table or specifically harmonised by NATO and NATO nations for military use. The NJFA identifies frequency bands that are in general military use by NATO nations throughout NATO Europe. The NJFA refers to such frequency bands as “NATO harmonised” which does not refer to the defined harmonised frameworks with the EU or CEPT. In general, the ‘NATO harmonised bands’ should provide a common military frequency resource in order to facilitate common exercises and operations throughout the territory of NATO nations in ITU Region 1. These frequencies include the core frequency assets for day-to-day training, exercise, combat readiness, deployment and to support Electronic Warfare (EW) training.

The NATO Civil/Military Spectrum Capability Panel (CaP3) invited the NATO nations to provide information to the EFIS database on the military use of spectrum including EFIS application layer 2 as a harmonised

approach, except where national laws do not allow. WG FM decided that in cases where several layer 2 applications are utilised, the layer 1 terminology may be used.

6 UPDATES PROCESS

The ECA Table (Annex 1) will typically be updated by the ECO three times a year, normally after every ECC meeting.

Update of factual information which will not require a public consultation:

1. ECO will update the information on Harmonised European Standards when it becomes available (expected three times a year in the OJEU). Other standards may also be mentioned in the ECA Table if necessary.

2. ECO will include/update references to ECC/ERC Decisions and Recommendations in the ECA Table after every ECC meeting (expected three times a year).

3. Update of ITU Region 1 allocation based on RR Article 5 (ECA Table column 1).

4. ECO will update also other ordinary issues.

ECO will update the references to all ECC/ERC Decisions and Recommendations, which are relevant to frequency management issues and which had been finally adopted should be incorporated in the ECA Table and listed in Annex 4.

Update which requires a public consultation:

a. The general part of ERC Report 25 will be updated by taking into account the conclusions as described above.

b. Update of all information which is not only factual.

c. Update of ECA allocations (column 2) after a WRC taking into account the ECPs for the WRC.

Other aspects

During future update processes it should be verified whether the ECA footnotes are still valid. If possible, footnotes should be deleted, or the content of the footnotes should be transferred into the table by other means.

7 THE EUROPEAN TABLE OF FREQUENCY ALLOCATIONS AND APPLICATIONS IN THE FREQUENCY RANGE 8.3 kHz to 3000 GHz (ECA TABLE)

The ECA Table in Annex 1 and the related information in Annexes 2-7 are incorporated to the Report.

Annex 1: ECA Table

Annex 2: ECA footnotes

Annex 3: ITU Radio Regulations footnotes for Region 1

Annex 4: CEPT deliverables (relevant ECC/ERC Decisions and Recommendations)

Annex 5: European Standards

Annex 6: European Standards for Receive-Only Equipment

Annex 7: List of abbreviations used in the ECA Table.

Explanatory notes to the ECA Table

The heading of the ECA Table includes a number of columns, with the following contents:

Column 1: RR Region 1 Allocation

Provides a copy of RR Article 5 ITU Region 1 allocations and footnotes which correspond to ITU Region 1.

Column 2: European Common Allocation

Allocations of major use or major interest in CEPT countries. This should include allocations for radio services made available in at least 15 CEPT countries according to EFIS. RR Article 5 footnotes and ECA footnotes. RR Article 5 footnotes are listed if applicable to at least one CEPT country or relevant for the whole ITU Region 1. This column may also contain ECA footnotes.

Column 3: Applications

A radio application will be added to the ECA Table as an "Application" if:

a. An ECC/ERC Decision, EC Decision or ECC/ERC Recommendation exists which harmonises or designates frequency bands, or

b. At least 10 CEPT countries have made available the relevant frequency band for a radio application according to EFIS, or

c. WG FM has decided to do so (based on other aspects).

A future reduction of the number of CEPT countries (below 10) will not automatically generate a withdrawal of a radio application from the ECA Table. There is no priority implied by the order in which the radio applications are listed.

Column 4: CEPT deliverables

This column contains information about CEPT deliverables (mainly ECC/ERC Decisions and Recommendations) relevant to the particular radio application.

Column 5: Standard

This column contains information about the relevant Harmonised European standards - see Annex 5. Also those standards may be referenced which had not been cited in the Official Journal of the European Union (OJEU) at the date of publication of this version of the ERC Report.

Column 6: Notes

This column may be used in order to reflect any other relevant information, such as the nature of use of a radio application or decisions which might affect the future use of the band.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
0 Hz - 8300 Hz					
Not allocated 5.53 5.54	Not allocated 5.53 5.54				
8300 Hz - 9 kHz					
METEOROLOGICAL AIDS (5.54A) 5.54B	METEOROLOGICAL AIDS (5.54A)	Lightning detection systems			
9 kHz - 11.3 kHz					
METEOROLOGICAL AIDS (5.54A) RADIONAVIGATION	METEOROLOGICAL AIDS (5.54A) RADIONAVIGATION	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Lightning detection systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
11.3 kHz - 14 kHz					
RADIONAVIGATION	RADIONAVIGATION	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
14 kHz - 19.95 kHz					
FIXED MARITIME MOBILE (5.57) 5.55 5.56	FIXED MARITIME MOBILE (5.57) 5.56 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
19.95 kHz - 20.05 kHz					
STANDARD FREQUENCY AND TIME SIGNAL (20 KHZ)	STANDARD FREQUENCY AND TIME SIGNAL (20 KHZ)	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
20.05 kHz - 70 kHz					
FIXED MARITIME MOBILE (5.57) 5.56 5.58	FIXED MARITIME MOBILE (5.57) 5.56 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
70 kHz - 72 kHz					
RADIONAVIGATION (5.60)	RADIONAVIGATION (5.60) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
72 kHz - 84 kHz					
FIXED MARITIME MOBILE (5.57) RADIONAVIGATION (5.60) 5.56	FIXED MARITIME MOBILE (5.57) RADIONAVIGATION (5.60) 5.56 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		Standard frequency and time signal			77.5 kHz DCF time signal
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
84 kHz - 86 kHz					
RADIONAVIGATION (5.60)	RADIONAVIGATION (5.60) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
86 kHz - 90 kHz					
FIXED MARITIME MOBILE (5.57) RADIONAVIGATION 5.56	FIXED MARITIME MOBILE (5.57) RADIONAVIGATION 5.56 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
90 kHz - 110 kHz					
RADIONAVIGATION (5.62) Fixed 5.64	RADIONAVIGATION (5.62) Fixed 5.64 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
110 kHz - 112 kHz					
FIXED MARITIME MOBILE RADIONAVIGATION 5.64	FIXED MARITIME MOBILE RADIONAVIGATION 5.64 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
112 kHz - 115 kHz					
RADIONAVIGATION (5.60)	RADIONAVIGATION (5.60) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
115 kHz - 117.6 kHz					
RADIONAVIGATION (5.60) Fixed Maritime mobile 5.64 5.66	RADIONAVIGATION (5.60) Fixed Maritime mobile 5.64 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
117.6 kHz - 126 kHz					
FIXED MARITIME MOBILE RADIONAVIGATION (5.60) 5.64	FIXED MARITIME MOBILE RADIONAVIGATION (5.60) 5.64 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
126 kHz - 129 kHz					
RADIONAVIGATION (5.60)	RADIONAVIGATION (5.60) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
129 kHz - 130 kHz					
FIXED MARITIME MOBILE RADIONAVIGATION (5.60) 5.64	FIXED MARITIME MOBILE RADIONAVIGATION (5.60) 5.64 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
130 kHz - 135.7 kHz					
FIXED MARITIME MOBILE 5.64 5.67	FIXED MARITIME MOBILE 5.64 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
135.7 kHz - 137.8 kHz					
FIXED (5.64) MARITIME MOBILE Amateur (5.67A) 5.67B	FIXED (5.64) MARITIME MOBILE Amateur (5.67A) 5.67B ECA36	Amateur		EN 301 783	Within the band 135.7-137.8 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
137.8 kHz - 148.5 kHz					
FIXED MARITIME MOBILE 5.64 5.67	FIXED MARITIME MOBILE 5.64 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330 EN 303 447 EN 303 454	Within the band 9-148.5 kHz
		Land military systems			
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
148.5 kHz - 255 kHz					
BROADCASTING 5.68 5.69 5.70	BROADCASTING	Broadcasting		EN 302 017 EN 302 245	Frequency Assignment plan GE75. Digital systems to be introduced
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
255 kHz - 283.5 kHz					
AERONAUTICAL RADIONAVIGATION BROADCASTING 5.70	AERONAUTICAL RADIONAVIGATION BROADCASTING ECA36	Aeronautical military systems			
		Beacons (aeronautical)			Frequency Assignment plan GE85
		Broadcasting		EN 302 017 EN 302 245	Frequency Assignment plan GE75. Digital systems to be introduced
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
283.5 kHz - 315 kHz					
AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (RADIOBEACONS) (5.73) 5.74	AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (RADIOBEACONS) (5.73) 5.74 ECA36	Aeronautical military systems			
		Beacons (aeronautical)			Frequency Assignment plan GE85
		Beacons (maritime)			Frequency Assignment plan GE85
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime military systems			
		ULP-AMI	ERC/REC 70-03	EN 302 195	Within the band 9-315 kHz
315 kHz - 325 kHz					
AERONAUTICAL RADIONAVIGATION Maritime radionavigation (radiobeacons) (5.73) 5.75	AERONAUTICAL RADIONAVIGATION Maritime radionavigation (radiobeacons) (5.73) ECA36	Aeronautical military systems			
		Beacons (aeronautical)			Frequency Assignment plan GE85
		Beacons (maritime)			Frequency Assignment plan GE85. IALA - plan to allow differential GPS
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime military systems			
		ULP-AID	ERC/REC 70-03	EN 302 536	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
325 kHz - 405 kHz					
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION ECA36	Aeronautical military systems			
		Beacons (aeronautical)			Frequency Assignment plan GE85
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz.
		RFID	ERC/REC 70-03	EN 300 330	within frequency range 400-600 kHz
		ULP-AID	ERC/REC 70-03	EN 302 536	
405 kHz - 415 kHz					
RADIONAVIGATION (5.76)	RADIONAVIGATION (5.76) ECA36	Aeronautical military systems			
		Beacons (aeronautical)			Frequency Assignment plan GE85
		Beacons (maritime)			Frequency Assignment plan GE85. IALA - plan to allow differential GPS
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz.
		Maritime military systems			
		RFID	ERC/REC 70-03	EN 300 330	within frequency range 400-600 kHz
		ULP-AID	ERC/REC 70-03	EN 302 536	
415 kHz - 435 kHz					
AERONAUTICAL RADIONAVIGATION MARITIME MOBILE (5.79)	AERONAUTICAL RADIONAVIGATION MARITIME MOBILE (5.79) ECA36	Aeronautical military systems			
		Beacons (aeronautical)			Frequency Assignment plan GE85
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz.
		Maritime communications		EN 300 338	Frequency Assignment plan GE85
		Maritime military systems			
		RFID	ERC/REC 70-03	EN 300 330	within frequency range 400-600 kHz
		ULP-AID	ERC/REC 70-03	EN 302 536	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
435 kHz - 472 kHz					
MARITIME MOBILE (5.79) Aeronautical radionavigation (5.77) 5.82	MARITIME MOBILE (5.79) Aeronautical radionavigation 5.82 ECA36	Aeronautical military systems			
		Emergency detection	ERC/REC 70-03	EN 300 330 EN 300 718	Emergency detection is only with the band 456.9-457.1 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz.
		Maritime communications		EN 300 338	Frequency Assignment plan GE85
		Maritime military systems			
		RFID	ERC/REC 70-03	EN 300 330	within frequency range 400-600 kHz
		ULP-AID	ERC/REC 70-03	EN 302 536	
472 kHz - 479 kHz					
MARITIME MOBILE (5.79) Aeronautical radionavigation (5.77 5.80) Amateur (5.80A) 5.80B 5.82	MARITIME MOBILE (5.79) Aeronautical radionavigation Amateur (5.80A) 5.80B 5.82 ECA36	Aeronautical military systems			
		Amateur		EN 301 783	
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz.
		Maritime communications		EN 300 338	Frequency Assignment plan GE85
		Maritime military systems			
		RFID	ERC/REC 70-03	EN 300 330	within frequency range 400-600 kHz
		ULP-AID	ERC/REC 70-03	EN 302 536	
479 kHz - 495 kHz					
MARITIME MOBILE (5.79 5.79A) Aeronautical radionavigation (5.77) 5.82	MARITIME MOBILE (5.79 5.79A) Aeronautical radionavigation 5.82 ECA36	Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz.
		Maritime communications		EN 300 338	Frequency Assignment plan GE85
		Maritime military systems			
		NAVTEX		EN 300 065	490 kHz: NAVTEX transmission in national language
		RFID	ERC/REC 70-03	EN 300 330	within frequency range 400-600 kHz
		ULP-AID	ERC/REC 70-03	EN 302 536	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
495 kHz - 505 kHz					
MARITIME MOBILE (5.82C 5.82D)	MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz.
		Maritime military systems			
		RFID	ERC/REC 70-03	EN 300 330	within frequency range 400-600 kHz
		ULP-AID	ERC/REC 70-03	EN 302 536	
505 kHz - 526.5 kHz					
AERONAUTICAL RADIONAVIGATION MARITIME MOBILE (5.79 5.79A 5.84)	AERONAUTICAL RADIONAVIGATION MARITIME MOBILE (5.79 5.79A 5.84) ECA36	Aeronautical military systems			
		Beacons (aeronautical)			Frequency Assignment plan GE85
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz.
		Maritime communications		EN 300 338	Frequency Assignment plan GE85
		Maritime military systems			
		NAVTEX		EN 300 065	518 kHz: NAVTEX transmission in national language
		ULP-AID	ERC/REC 70-03	EN 302 536	
526.5 kHz - 1606.5 kHz					
BROADCASTING 5.87 5.87A	BROADCASTING	Broadcasting		EN 302 017 EN 302 245	Frequency Assignment plan GE75. Digital systems to be introduced
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz.
		RFID	ERC/REC 70-03	EN 300 330	within frequency range 400-600 kHz
		ULP-AID	ERC/REC 70-03	EN 302 536	within frequency range 315-600 kHz
1606.5 kHz - 1625 kHz					
FIXED LAND MOBILE MARITIME MOBILE (5.90) 5.92	FIXED LAND MOBILE MARITIME MOBILE (5.90) Radiolocation ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	Frequency Assignment plan GE85
		Maritime military systems			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1625 kHz - 1635 kHz					
RADIOLOCATION 5.93	RADIOLOCATION 5.93 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Radiolocation (military)			
1635 kHz - 1800 kHz					
FIXED LAND MOBILE MARITIME MOBILE (5.90) 5.92 5.96	FIXED LAND MOBILE MARITIME MOBILE (5.90) 5.96 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	Frequency Assignment plan GE85
		Maritime military systems			
1800 kHz - 1810 kHz					
RADIOLOCATION 5.93	RADIOLOCATION 5.93 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Radiolocation (military)			
1810 kHz - 1850 kHz					
AMATEUR 5.98 5.99 5.100	AMATEUR 5.98 5.100	Amateur		EN 301 783	Within the band 1810-2000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
1850 kHz - 2000 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.92 5.96 5.103	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Amateur 5.96 5.103 ECA36	Amateur		EN 301 783	Within the band 1810-2000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	
		Maritime military systems			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
2000 kHz - 2025 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.92 5.103	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.103 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	
		Maritime military systems			
2025 kHz - 2045 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) Meteorological aids (5.104) 5.92 5.103	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.103 5.104 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	
		Maritime military systems			
		Oceanographic buoys			Meteorological
2045 kHz - 2160 kHz					
FIXED LAND MOBILE MARITIME MOBILE 5.92	FIXED LAND MOBILE MARITIME MOBILE 5.92 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	Frequency Assignment plan GE85
		Maritime military systems			
2160 kHz - 2170 kHz					
RADIOLOCATION 5.93 5.107	RADIOLOCATION 5.93 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Radiolocation (military)			
2170 kHz - 2173.5 kHz					
MARITIME MOBILE	MARITIME MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	
		Maritime military systems			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
2173.5 kHz - 2190.5 kHz					
MOBILE (DISTRESS AND CALLING) 5.108 5.109 5.110 5.111	MOBILE (DISTRESS AND CALLING) 5.108 5.109 5.110 5.111 ECA36	DSC		EN 302 885 EN 303 402	2187.5 kHz (DSC for distress and calling)
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	2182 kHz (Radiotelephony distress and calling). 2174.5 kHz (Telex distress traffic)
2190.5 kHz - 2194 kHz					
MARITIME MOBILE	MARITIME MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	
		Maritime military systems			
2194 kHz - 2300 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.92 5.103 5.112	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.103 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	
		Maritime military systems			
2300 kHz - 2498 kHz					
BROADCASTING (5.113) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.103	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.103 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	
		Maritime military systems			
2498 kHz - 2501 kHz					
STANDARD FREQUENCY AND TIME SIGNAL (2 500 KHZ)	STANDARD FREQUENCY AND TIME SIGNAL (2 500 KHZ)	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
2501 kHz - 2502 kHz					
STANDARD FREQUENCY AND TIME SIGNAL Space research	STANDARD FREQUENCY AND TIME SIGNAL Space research	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
2502 kHz - 2625 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.92 5.103 5.114	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.92 5.103 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
2625 kHz - 2650 kHz					
MARITIME MOBILE MARITIME RADIONAVIGATION 5.92	MARITIME MOBILE MARITIME RADIONAVIGATION 5.92 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	
		Maritime military systems			
2650 kHz - 2850 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.92 5.103	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.92 5.103 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
2850 kHz - 3025 kHz					
AERONAUTICAL MOBILE (R) 5.111 5.115	AERONAUTICAL MOBILE (OR) 5.111 5.115 ECA36	Aeronautical communications			Appendix 27 Allotment Plan
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		SAR (communications)		EN 303 402	3023 kHz (Aeronautical/Maritime radiotelephony SAR coordination)

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
3025 kHz - 3155 kHz					
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR) ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
3155 kHz - 3200 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.116 5.117	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.116 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 3155-3400 kHz; and within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	
		Maritime military systems			
3200 kHz - 3230 kHz					
BROADCASTING (5.113) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.116	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.116 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 3155-3400 kHz; and within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	
		Maritime military systems			
3230 kHz - 3400 kHz					
BROADCASTING (5.113) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.116 5.118	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.116 ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 3155-3400 kHz; and within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	
		Maritime military systems			
3400 kHz - 3500 kHz					
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R) ECA36	Aeronautical communications			Appendix 27 Allotment Plan. Including HF Data Links
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
3500 kHz - 3800 kHz					
AMATEUR FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.92	AMATEUR FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.92 ECA36	Amateur		EN 301 783	
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	
		Maritime military systems			
3800 kHz - 3900 kHz					
AERONAUTICAL MOBILE (OR) FIXED LAND MOBILE	AERONAUTICAL MOBILE (OR) FIXED LAND MOBILE ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
3900 kHz - 3950 kHz					
AERONAUTICAL MOBILE (OR) 5.123	AERONAUTICAL MOBILE (OR) ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
3950 kHz - 4000 kHz					
BROADCASTING FIXED	BROADCASTING FIXED ECA36	Broadcasting		EN 302 017 EN 302 245	Digital systems to be introduced
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
4000 kHz - 4063 kHz					
FIXED MARITIME MOBILE (5.127) 5.126	FIXED MARITIME MOBILE (5.127) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 302 885 EN 303 402	Appendix 17 channelling plan. Appendix 25 allotment plan
		Maritime military systems			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
4063 kHz - 4438 kHz					
MARITIME MOBILE (5.79A 5.109 5.110 5.82D 5.130 5.131 5.132) 5.128	MARITIME MOBILE (5.109 5.110 5.130 5.131 5.132 5.79A) 5.128 ECA36	DSC		EN 302 885 EN 303 402	centre frequency 4207.5 kHz (DSC distress traffic). Ship stations centre frequencies 4208, 4208.5, 4209 kHz. Coast stations 4219.5, 4220, 4220.5 kHz (DSC calling)
		Eurobalise	ERC/REC 70-03	EN 302 608	centre frequency at 4234 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	Appendix 17 channelling plan. Appendix 25 allotment plan. centre frequency 4125 kHz (Radiotelephony distress and safety traffic. centre frequency 4177.5 kHz (Telex distress traffic). 4209.5 kHz (Meteorological and navigational warnings. centre frequency4210 kHz (Safety Information)
		Maritime military systems			
		NAVTEX		EN 300 065	centre frequency 4209.5 kHz
4438 kHz - 4488 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) Radiolocation (5.132A) 5.132B	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) Radiolocation (5.132A) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
		Radiolocation (military)			
4488 kHz - 4650 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R)	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
4650 kHz - 4700 kHz					
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R) ECA36	Aeronautical communications			Appendix 27 Allotment Plan. Including HF Data Links
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
4700 kHz - 4750 kHz					
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR) ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
4750 kHz - 4850 kHz					
AERONAUTICAL MOBILE (OR) BROADCASTING (5.113) FIXED LAND MOBILE	AERONAUTICAL MOBILE (OR) FIXED LAND MOBILE ECA36	Aeronautical communications			
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
4850 kHz - 4995 kHz					
BROADCASTING (5.113) FIXED LAND MOBILE	FIXED LAND MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
4995 kHz - 5003 kHz					
STANDARD FREQUENCY AND TIME SIGNAL (5 000 KHZ)	STANDARD FREQUENCY AND TIME SIGNAL (5 000 KHZ)	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
5003 kHz - 5005 kHz					
STANDARD FREQUENCY AND TIME SIGNAL Space research	STANDARD FREQUENCY AND TIME SIGNAL Space research	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
5005 kHz - 5060 kHz					
BROADCASTING (5.113) FIXED	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
5060 kHz - 5250 kHz					
FIXED Mobile except aeronautical mobile 5.133	FIXED Mobile except aeronautical mobile ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
5250 kHz - 5275 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Radiolocation (5.132A) 5.133A	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Radiolocation (5.132A) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
		Radiolocation (military)			
5275 kHz - 5351.5 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
5351.5 kHz - 5366.5 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Amateur (5.133B)	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Amateur (5.133B) ECA36	Amateur		EN 301 783	
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
5366.5 kHz - 5450 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
5450 kHz - 5480 kHz					
AERONAUTICAL MOBILE (OR) FIXED LAND MOBILE	AERONAUTICAL MOBILE (OR) FIXED LAND MOBILE ECA36	Aeronautical communications			
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
5480 kHz - 5680 kHz					
AERONAUTICAL MOBILE (R) 5.111 5.115	AERONAUTICAL MOBILE (OR) 5.111 5.115 ECA36	Aeronautical communications			Appendix 27 Allotment Plan Including HF Data Links
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		SAR (communications)		EN 303 402	5680 kHz (Aeronautical/Maritime radiotelephony SAR coordination)
5680 kHz - 5730 kHz					
AERONAUTICAL MOBILE (OR) 5.111 5.115	AERONAUTICAL MOBILE (OR) 5.111 5.115 ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		SAR (communications)		EN 303 402	5680 kHz (Aeronautical/Maritime radiotelephony SAR coordination)
5730 kHz - 5900 kHz					
FIXED LAND MOBILE	FIXED LAND MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
5900 kHz - 5950 kHz					
BROADCASTING (5.134) 5.136	BROADCASTING (5.134) 5.136	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced.
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
5950 kHz - 6200 kHz					
BROADCASTING	BROADCASTING	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
6200 kHz - 6525 kHz					
MARITIME MOBILE (5.109 5.110 5.130 5.132 5.137A) 5.137	MARITIME MOBILE (5.109 5.110 5.130 5.132 5.137A) 5.137 ECA36	DSC		EN 302 885 EN 303 402	6312 kHz (DSC distress traffic). 6312.5, 6313, 6313.5, 6331, 6331.5, 6332 kHz (DSC calling)
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	Appendix 17 channelling plan. Appendix 25 allotment plan. 6215 kHz. (Radiotelephony distress and safety traffic). 6268 kHz (Telex distress traffic). 6314 kHz (Maritime Safety Information)
		Maritime military systems			
6525 kHz - 6685 kHz					
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R) ECA36	Aeronautical communications			Appendix 27 Allotment Plan. Including HF Data Links
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
6685 kHz - 6765 kHz					
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR) ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
6765 kHz - 7000 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.138	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.138 ECA36	ISM			Within the band 6765-6795 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 6765-6795 kHz; and within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
7000 kHz - 7100 kHz					
AMATEUR AMATEUR-SATELLITE 5.140 5.141 5.141A	AMATEUR AMATEUR-SATELLITE	Amateur		EN 301 783	Within the band 7000-7200 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
7100 kHz - 7200 kHz					
AMATEUR 5.141A 5.141B	AMATEUR	Amateur		EN 301 783	Within the band 7000-7200 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
7200 kHz - 7300 kHz					
BROADCASTING	BROADCASTING	Broadcasting		EN 302 017 EN 302 245	RR - Article 12 planning procedure. Digital systems to be introduced. Within the band 7200-7450 kHz.
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
7300 kHz - 7400 kHz					
BROADCASTING (5.134) 5.143 5.143A 5.143B 5.143C 5.143D	BROADCASTING (5.134) 5.143 5.143B	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced. Within the band 7200-7450 kHz.
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
7400 kHz - 7450 kHz					
BROADCASTING 5.143B 5.143C	BROADCASTING 5.143B	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced. Within the band 7200-7450 kHz.
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 7400-8800 kHz; and within the band 148.5 kHz - 30 MHz
7450 kHz - 8100 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.144	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 7400-8800 kHz; and within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
8100 kHz - 8195 kHz					
FIXED MARITIME MOBILE	FIXED MARITIME MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 7400-8800 kHz; and within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime communications		EN 303 402	Appendix 17 channelling plan
		Maritime military systems			
8195 kHz - 8815 kHz					
MARITIME MOBILE (5.109 5.110 5.132 5.145 5.137A) 5.111	MARITIME MOBILE (5.109 5.110 5.132 5.137A 5.145) 5.111 ECA36	DSC		EN 302 885 EN 303 402	8414.5 kHz (DSC distress traffic). 8415, 8415.5, 8416, 8436.5, 8437, 8437.5 kHz (DSC calling)
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 7400-8800 kHz; and within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	Appendix 17 channelling plan. Appendix 25 allotment plan. 8291 kHz (Radiotelephony distress and safety traffic).8376.5 kHz (Telex distress traffic). 8416.5 kHz (Maritime Safety Information)
		Maritime military systems			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
8815 kHz - 8965 kHz					
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R) ECA36	Aeronautical communications			Appendix 27 Allotment Plan1 Including HF Data Links
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
8965 kHz - 9040 kHz					
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR) ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
9040 kHz - 9305 kHz					
FIXED	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
9305 kHz - 9355 kHz					
FIXED Radiolocation (5.145A) 5.145B	FIXED Radiolocation (5.145A) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
9355 kHz - 9400 kHz					
FIXED	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
9400 kHz - 9500 kHz					
BROADCASTING (5.134) 5.146	BROADCASTING (5.134) 5.146	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Within 9400-9900 kHz.
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
9500 kHz - 9900 kHz					
BROADCASTING 5.147	BROADCASTING 5.147	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. . Within 9400-9900 kHz.
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
9900 kHz - 9995 kHz					
FIXED	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
9995 kHz - 10003 kHz					
STANDARD FREQUENCY AND TIME SIGNAL (10 000 KHZ) 5.111	STANDARD FREQUENCY AND TIME SIGNAL (10 000 KHZ) 5.111	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
10003 kHz - 10005 kHz					
STANDARD FREQUENCY AND TIME SIGNAL Space research 5.111	STANDARD FREQUENCY AND TIME SIGNAL Space research 5.111	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		SAR (communications)			10003 kHz (+/-3 kHz) concerning manned space vehicles
10005 kHz - 10100 kHz					
AERONAUTICAL MOBILE (R) 5.111	AERONAUTICAL MOBILE (R) 5.111 ECA36	Aeronautical communications			Appendix 27 Allotment Plan. Including HF Data Links
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
10100 kHz - 10150 kHz					
FIXED Amateur	FIXED Amateur ECA36	Amateur		EN 301 783	
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
10150 kHz - 11175 kHz					
FIXED Mobile except aeronautical mobile (R)	FIXED Mobile except aeronautical mobile (R) ECA36	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 10200-11000 kHz; and within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
11175 kHz - 11275 kHz					
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR) ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
11275 kHz - 11400 kHz					
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R) ECA36	Aeronautical communications			Appendix 27 Allotment Plan. Including HF Data Links
		Aeronautical military systems			
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
11400 kHz - 11600 kHz					
FIXED	FIXED ECA36	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
11600 kHz - 11650 kHz					
BROADCASTING (5.134) 5.146	BROADCASTING (5.134) 5.146	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced. Within frequency range 11600-12100 kHz
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
11650 kHz - 12050 kHz					
BROADCASTING 5.147	BROADCASTING 5.147	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced. Within frequency range 11600-12100 kHz
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
12050 kHz - 12100 kHz					
BROADCASTING (5.134) 5.146	BROADCASTING (5.134) 5.146	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced. Within frequency range 11600-12100 kHz
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
12100 kHz - 12230 kHz					
FIXED	FIXED ECA36	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
12230 kHz - 13200 kHz					
MARITIME MOBILE (5.109 5.110 5.132 5.145 5.137A)	MARITIME MOBILE (5.109 5.110 5.132 5.137A 5.145) ECA36	DSC		EN 302 885 EN 303 402	Centre frequency 12577 kHz (DSC distress traffic). Centre frequencies 12577.5, 12578, 12578.5, 12657, 12657.5, 12658 kHz (DSC calling)
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	Appendix 17 channelling plan. Appendix 25 allotment plan. Centre frequency 12290 kHz (Radiotelephony distress and safety traffic). centre frequency 12520 kHz (Telex distress traffic). 12579 kHz (Maritime Safety Information)
		Maritime military systems			
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
13200 kHz - 13260 kHz					
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR) ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
13260 kHz - 13360 kHz					
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R) ECA36	Aeronautical communications			Appendix 27 Allotment Plan. Including HF Data Links
		Aeronautical military systems			
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*

13360 kHz - 13410 kHz

FIXED RADIO ASTRONOMY 5.149	FIXED RADIO ASTRONOMY 5.149 ECA36	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		Radio astronomy			Continuum observations
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz

13410 kHz - 13450 kHz

FIXED Mobile except aeronautical mobile (R)	FIXED Mobile except aeronautical mobile (R) ECA36	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz

13450 kHz - 13550 kHz

FIXED Mobile except aeronautical mobile (R) Radiolocation (5.132A) 5.149A	FIXED Mobile except aeronautical mobile (R) Radiolocation (5.132A) ECA36	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz. Centre frequency 13.547 MHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
13550 kHz - 13570 kHz					
FIXED Mobile except aeronautical mobile (R) 5.150	FIXED Mobile except aeronautical mobile (R) 5.150 ECA36	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		ISM			Within the band 13553-13567 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 13553-13567 kHz; and within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
		Non-specific SRDs	ERC/REC 70-03	EN 300 330	Within the band 13553-13567 kHz
		RFID		EN 300 330	Centre frequency is 13.56 MHz. Within frequency range 11.810-15.310 MHz.
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
13570 kHz - 13600 kHz					
BROADCASTING (5.134) 5.151	BROADCASTING (5.134) 5.151	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
13600 kHz - 13800 kHz					
BROADCASTING	BROADCASTING	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
13800 kHz - 13870 kHz					
BROADCASTING (5.134) 5.151	BROADCASTING (5.134) 5.151	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
13870 kHz - 14000 kHz					
FIXED Mobile except aeronautical mobile (R)	FIXED Mobile except aeronautical mobile (R) ECA36	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
14000 kHz - 14250 kHz					
AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE	Amateur		EN 301 783	Within the band 14000-14350 kHz
		Amateur-satellite			
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
14250 kHz - 14350 kHz					
AMATEUR 5.152	AMATEUR	Amateur		EN 301 783	Within the band 14000-14350 kHz
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
14350 kHz - 14990 kHz					
FIXED Mobile except aeronautical mobile (R)	FIXED Mobile except aeronautical mobile (R) ECA36	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
14990 kHz - 15005 kHz					
STANDARD FREQUENCY AND TIME SIGNAL (15 000 KHZ) 5.111	STANDARD FREQUENCY AND TIME SIGNAL (15 000 KHZ) 5.111	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		SAR (communications)			14993 kHz (+/-3 kHz) concerning manned space vehicles
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
15005 kHz - 15010 kHz					
STANDARD FREQUENCY AND TIME SIGNAL Space research	STANDARD FREQUENCY AND TIME SIGNAL Space research	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
15010 kHz - 15100 kHz					
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR) ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	Within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
15100 kHz - 15600 kHz					
BROADCASTING	BROADCASTING	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		RFID		EN 300 330	within frequency range 11.810-15.310 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
15600 kHz - 15800 kHz					
BROADCASTING (5.134) 5.146	BROADCASTING (5.134) 5.146	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced
		Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
15800 kHz - 16100 kHz					
FIXED	FIXED ECA36	Euroloop	ERC/REC 70-03	EN 302 609	Mainly within the band 11100-16000 kHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
16100 kHz - 16200 kHz					
FIXED Radiolocation (5.145A) 5.145B	FIXED Radiolocation (5.145A) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
16200 kHz - 16360 kHz					
FIXED	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		ULP-AID		EN 300 330	Within frequency range 12500-20000 kHz
16360 kHz - 17410 kHz					
MARITIME MOBILE (5.109 5.110 5.132 5.145 5.137A)	MARITIME MOBILE (5.109 5.110 5.132 5.137A 5.145) ECA36	DSC		EN 302 885 EN 303 402	16804.5 kHz (DSC distress traffic).16805, 16805.5, 16806, 16903, 16903.5, 16904 kHz (DSC calling)
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	Appendix 17 channelling plan. Appendix 25 allotment plan.16420 kHz (Radiotelephony distress and safety traffic).16695 kHz (Telex distress traffic).16806.5 kHz (Maritime Safety Information)
		Maritime military systems			
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
17410 kHz - 17480 kHz					
FIXED	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		ULP-AID		EN 300 330	Within frequency range 12500-20000 kHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
17480 kHz - 17550 kHz					
BROADCASTING (5.134) 5.146	BROADCASTING (5.134) 5.146	Broadcasting		EN 302 017 EN 302 245	Digital systems to be introduced
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
17550 kHz - 17900 kHz					
BROADCASTING	BROADCASTING	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
17900 kHz - 17970 kHz					
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R) ECA36	Aeronautical communications			Appendix 27 Allotment Plan. Including HF Data Links
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
17970 kHz - 18030 kHz					
AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR) ECA36	Aeronautical communications			Appendix 26 Allotment Plan
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
18030 kHz - 18052 kHz					
FIXED	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
18052 kHz - 18068 kHz					
FIXED Space research	FIXED Space research ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
18068 kHz - 18168 kHz					
AMATEUR AMATEUR-SATELLITE 5.154	AMATEUR AMATEUR-SATELLITE	Amateur		EN 301 783	
		Amateur-satellite			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
18168 kHz - 18780 kHz					
FIXED Mobile except aeronautical mobile	FIXED Mobile except aeronautical mobile ECA36	DSC		EN 302 885 EN 303 402	Centre frequencies at 18898.5, 18899. 18899.5 kHz (DSC) digital selective calling)
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
18780 kHz - 18900 kHz					
MARITIME MOBILE	MARITIME MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	Appendix 17 channelling plan
		Maritime military systems			
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
18900 kHz - 19020 kHz					
BROADCASTING (5.134) 5.146	BROADCASTING (5.134) 5.146	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
19020 kHz - 19680 kHz					
FIXED	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
19680 kHz - 19800 kHz					
MARITIME MOBILE (5.132)	MARITIME MOBILE (5.132) ECA36	DSC		EN 302 885 EN 303 402	19703.5, 19704, 19704.5 kHz (DSC calling)
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	Appendix 17 channelling plan. Appendix 25 allotment plan.19680.5 kHz (Maritime Safety Information)
		Maritime military systems			
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
19800 kHz - 19990 kHz					
FIXED	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		ULP-AID	ERC/REC 70-03	EN 300 330	Within frequency range 12500-20000 kHz
19990 kHz - 19995 kHz					
STANDARD FREQUENCY AND TIME SIGNAL Space research 5.111	STANDARD FREQUENCY AND TIME SIGNAL Space research 5.111	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		SAR (communications)			19993 kHz (+/-3 kHz) concerning manned space vehicles
		ULP-AID		EN 300 330	Within frequency range 12500-20000 kHz
19995 kHz - 20010 kHz					
STANDARD FREQUENCY AND TIME SIGNAL (20 000 KHZ) 5.111	STANDARD FREQUENCY AND TIME SIGNAL (20 000 KHZ) 5.111	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		ULP-AID		EN 300 330	Within frequency range 12500-20000 kHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
20010 kHz - 21000 kHz					
FIXED Mobile	FIXED Mobile ECA36	Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
21000 kHz - 21450 kHz					
AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE	Amateur		EN 301 783	
		Amateur-satellite			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
21450 kHz - 21850 kHz					
BROADCASTING	BROADCASTING	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
21850 kHz - 21870 kHz					
FIXED (5.155A) 5.155	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
21870 kHz - 21924 kHz					
FIXED (5.155B)	FIXED (5.155B) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
21924 kHz - 22000 kHz					
AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R) ECA36	Aeronautical communications			Appendix 27 Allotment Plan. Including HF Data Links.
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
22000 kHz - 22855 kHz					
MARITIME MOBILE (5.132 5.137A) 5.156	MARITIME MOBILE (5.132 5.137A) ECA36	DSC		EN 302 885 EN 303 402	22374.5, 22375, 22375.5, 22444, 22444.5, 22445 kHz (DSC calling)
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	Appendix 17 channelling plan. Appendix 25 allotment plan. 22376 kHz safety information.
		Maritime military systems			
22855 kHz - 23000 kHz					
FIXED 5.156	FIXED ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
23000 kHz - 23200 kHz					
FIXED Mobile except aeronautical mobile (R) 5.156	FIXED Mobile except aeronautical mobile (R) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
23200 kHz - 23350 kHz					
AERONAUTICAL MOBILE (OR) FIXED (5.156A)	AERONAUTICAL MOBILE (OR) FIXED (5.156A) ECA36	Aeronautical communications			
		Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
23350 kHz - 24000 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.157)	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.157) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
24000 kHz - 24450 kHz					
FIXED LAND MOBILE	FIXED LAND MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
24450 kHz - 24600 kHz					
FIXED LAND MOBILE Radiolocation (5.132A) 5.158	FIXED LAND MOBILE Radiolocation (5.132A) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
24600 kHz - 24890 kHz					
FIXED LAND MOBILE	FIXED LAND MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
24890 kHz - 24990 kHz					
AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE	Amateur		EN 301 783	
		Amateur-satellite			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
24990 kHz - 25005 kHz					
STANDARD FREQUENCY AND TIME SIGNAL (25 000 KHZ)	STANDARD FREQUENCY AND TIME SIGNAL (25 000 KHZ)	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
25005 kHz - 25010 kHz					
STANDARD FREQUENCY AND TIME SIGNAL Space research	STANDARD FREQUENCY AND TIME SIGNAL Space research ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Space research			Scientific and medical space research
25010 kHz - 25070 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
25070 kHz - 25210 kHz					
MARITIME MOBILE	MARITIME MOBILE	DSC		EN 302 885 EN 303 402	25208.5, 25209, 25209.5 kHz (DSC calling)
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	Appendix 17 channelling plan
		Maritime military systems			
25210 kHz - 25550 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
25550 kHz - 25670 kHz					
RADIO ASTRONOMY 5.149	RADIO ASTRONOMY 5.149	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Radio astronomy			Continuum observations

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
25670 kHz - 26100 kHz					
BROADCASTING	BROADCASTING	Broadcasting		EN 302 017 EN 302 245	RR-Article 12 planning procedure. Digital systems to be introduced.
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
26100 kHz - 26175 kHz					
MARITIME MOBILE (5.132)	MARITIME MOBILE (5.132) ECA36	DSC		EN 302 885 EN 303 402	26121, 26121.5, 26122 kHz (DSC calling)
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Maritime communications		EN 303 402	Appendix 17 channelling plan. Appendix 25 allotment plan. 26100.5 kHz Maritime Safety Information.
		Maritime military systems			
26175 kHz - 26200 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
26200 kHz - 26350 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Radiolocation (5.132A) 5.133A	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Radiolocation (5.132A) ECA36	Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
26350 kHz - 27500 kHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.150	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.150 ECA36	CB radio	ECC/DEC/(11)03 ERC/REC 70-03	EN 300 433	(CEPT PR 27). Within the band 26.960-27.410 MHz
		Eurobalise	ERC/REC 70-03	EN 302 608	Centre frequency 27.095 MHz
		ISM			Within the band 26.957-27.283 MHz
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
		Model control	ERC/REC 70-03	EN 300 220	26.995, 27.045, 27.095, 27.145, 27.195 MHz
		Non-specific SRDs	ERC/REC 70-03	EN 300 220 EN 300 330	Within the band 26.957-27.283 MHz
27500 kHz - 28 MHz					
FIXED METEOROLOGICAL AIDS MOBILE	FIXED METEOROLOGICAL AIDS MOBILE ECA36	Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
28 MHz - 29.7 MHz					
AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE	Amateur		EN 301 783	
		Amateur-satellite			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
29.7 MHz - 30.005 MHz					
FIXED MOBILE	MOBILE ECA36	Aeronautical military systems			
		Inductive applications	ERC/REC 70-03	EN 300 330	Within the band 148.5 kHz - 30 MHz
		Land military systems			
		Maritime military systems			
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis.
		ULP-MMI	ERC/REC 70-03	EN 302 510	Within the band 30.0-30.005 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
30.005 MHz - 30.01 MHz					
FIXED MOBILE SPACE OPERATION (SATELLITE IDENTIFICATION) SPACE RESEARCH	MOBILE ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis
		ULP-MMI	ERC/REC 70-03	EN 302 510	
30.01 MHz - 37.5 MHz					
FIXED MOBILE	MOBILE ECA36	Aeronautical military systems			
		Flying model control	ERC/DEC/(01)11 ERC/REC 70-03		Within the band 34.995-35.225 MHz only for flying models
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis.
		ULP-MMI	ERC/REC 70-03	EN 302 510	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
37.5 MHz - 38.25 MHz					
FIXED MOBILE Radio astronomy 5.149	MOBILE Radio astronomy 5.149 ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio astronomy			Continuum observations
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis.
38.25 MHz - 39 MHz					
FIXED MOBILE	MOBILE ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
39 MHz - 39.5 MHz					
FIXED MOBILE Radiolocation (5.132A) 5.159	MOBILE Radiolocation (5.132A) ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		Meteor scatter communications	ERC/REC/(00)04		Within the band 39.0-39.2 MHz
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis.
39.5 MHz - 39.986 MHz					
FIXED MOBILE	MOBILE ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		Meteor scatter communications			Within the band 39.0-39.2 MHz
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
39.986 MHz - 40 MHz					
FIXED MOBILE Space research	MOBILE Space research ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis
40 MHz - 40.02 MHz					
FIXED MOBILE Earth exploration-satellite (active) (5.159A) Space research	MOBILE Earth exploration-satellite (active) (5.159A) Space research ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
40.02 MHz - 40.66 MHz					
FIXED MOBILE Earth exploration-satellite (active) (5.159A)	MOBILE ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis
40.66 MHz - 40.7 MHz					
FIXED MOBILE Earth exploration-satellite (active) (5.159A) 5.150	MOBILE 5.150 ECA36	Aeronautical military systems			
		ISM			Centre frequency 40.68 MHz
		Land military systems			
		Maritime military systems			
		Model control	ERC/DEC/(01)12 ERC/REC 70-03	EN 300 220	Centre frequencies 40.665, 40.675, 40.685, 40.695 MHz
		Non-specific SRDs	ERC/REC 70-03	EN 300 220	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
40.7 MHz - 40.98 MHz					
FIXED MOBILE Earth exploration-satellite (active) (5.159A)	MOBILE ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis
40.98 MHz - 41.015 MHz					
FIXED MOBILE Earth exploration-satellite (active) (5.159A) Space research 5.160 5.161	MOBILE Space research ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
41.015 MHz - 42 MHz					
FIXED MOBILE Earth exploration-satellite (active) (5.159A) 5.160 5.161 5.161A	MOBILE ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis
42 MHz - 42.5 MHz					
FIXED MOBILE Earth exploration-satellite (active) (5.159A) Radiolocation (5.132A) 5.160 5.161B	FIXED MOBILE Radiolocation (5.132A) 5.161B ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
42.5 MHz - 44 MHz					
FIXED MOBILE Earth exploration-satellite (active) (5.159A) 5.160 5.161 5.161A	MOBILE ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis
44 MHz - 47 MHz					
FIXED MOBILE Earth exploration-satellite (active) (5.159A) 5.162 5.162A	MOBILE 5.162A ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	Within the band 29.7-47.0 MHz. Narrow band audio systems including tour guide systems on a tuning range basis
		Wind profilers			In the range 46-68 MHz, geographical sharing with other services

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
47 MHz - 50 MHz					
BROADCASTING Earth exploration-satellite (active) (5.159A) 5.162A 5.163 5.164 5.165	LAND MOBILE 5.162A 5.164 ECA36	Earth exploration-satellite			In the range 48.5-50 MHz. Space Research/EESS
		Land military systems			
		On-site paging		EN 300 224	On site paging in the band 47.0-47.25 MHz
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Wind profilers			In the range 46-68 MHz, geographical sharing with other services
50 MHz - 52 MHz					
BROADCASTING Amateur (5.166C 5.166E 5.166B) 5.162A 5.164 5.165 5.166A 5.169A 5.169B	LAND MOBILE Amateur 5.162A 5.164 5.166A 5.169B ECA36	Amateur		EN 301 783	
		Land military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Wind profilers			In the range 46-68 MHz, geographical sharing with other services

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
52 MHz - 68 MHz					
BROADCASTING 5.162A 5.163 5.163 5.164 5.169A 5.169B	LAND MOBILE 5.162A 5.163 5.164 ECA36	Land military systems			
		PMR	T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	Mobile station transmit band in 68-74.8 MHz paired with base station transmit band in 77.8-84.6 MHz
		Wind profilers			In the range 46-68 MHz, geographical sharing with other services
68 MHz - 70.45 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.175	MOBILE Amateur ECA9 ECA36	Amateur		EN 301 783	Within the band 69.9-70.5 MHz
		Land military systems			
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	Mobile station transmit band in 68-74.8 MHz paired with base station transmit band in 77.8-84.6 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
70.45 MHz - 74.8 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.149 5.175 5.177 5.178 5.179	MOBILE EXCEPT AERONAUTICAL MOBILE Amateur Radio astronomy 5.149 ECA9 ECA36	Amateur		EN 301 783	Within the band 69.9-70.5 MHz
		Land military systems			
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	Mobile station transmit band in 68-74.8 MHz paired with base station transmit band in 77.8-84.6 MHz
		Radio astronomy			Continuum observations (inter alia solar wind monitoring in 73-74.6 MHz)
74.8 MHz - 75.2 MHz					
AERONAUTICAL RADIONAVIGATION 5.180	AERONAUTICAL RADIONAVIGATION 5.180	ILS			Marker beacons
75.2 MHz - 87.5 MHz					
FIXED Mobile except aeronautical mobile 5.175 5.179 5.187	MOBILE ECA36	Land military systems			
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	Mobile station transmit band in 75.2-77.7 MHz paired with base station transmit band in 85.0-87.5 MHz Base station transmit band in 77.8-84.6 MHz paired with mobile station transmit band in 68-74.8 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
87.5 MHz - 100 MHz					
BROADCASTING 5.190	BROADCASTING	FM sound analogue		EN 302 018 EN 303 345	Geneva Agreement GE84
		Wireless audio/multimedia	ERC/REC 70-03	EN 301 357	Within the band 87.5-108.0 MHz
100 MHz - 108 MHz					
BROADCASTING 5.192 5.194	BROADCASTING	FM sound analogue		EN 302 018 EN 303 345	Geneva Agreement GE84
		Wireless audio/multimedia	ERC/REC 70-03	EN 301 357	Within the band 87.5-108.0 MHz
108 MHz - 117.975 MHz					
AERONAUTICAL RADIONAVIGATION 5.197 5.197A	AERONAUTICAL MOBILE (R) AERONAUTICAL RADIONAVIGATION 5.197A	Aeronautical communications		EN 301 842	Safety and regularity of flights, below 112 MHz limited to ground based data link transmitters
		GBAS		EN 303 084	GBAS/VDB within 112-117.975 MHz
		ILS			Localiser within the band 108-112 MHz
		VOR			Within the band 108-117.975 MHz
117.975 MHz - 121.45 MHz					
AERONAUTICAL MOBILE (R) AERONAUTICAL MOBILE-SATELLITE (R) (5.198A 5.198B)	AERONAUTICAL MOBILE (R) ECA5	Aeronautical communications		EN 300 676 EN 301 841 EN 301 842	Safety and regularity of flights. EN 301 841-3 is for ground-based equipment. 121.5 MHz. Aeronautical mobile distress communication.
121.45 MHz - 121.55 MHz					
AERONAUTICAL MOBILE (R) AERONAUTICAL MOBILE-SATELLITE (R) (5.198A 5.198B) 5.111 5.200	AERONAUTICAL MOBILE (R) 5.111 5.200	Aeronautical emergency		EN 300 676 EN 301 841 EN 302 961	121.5 MHz is the aeronautical emergency frequency. Personal Homing Beacon for search and rescue purposes. EN 301 841-3 is for ground-based equipment
		EPIRBs		EN 300 152	Band only for distress and safety. ELT

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
121.55 MHz - 136 MHz					
AERONAUTICAL MOBILE (R) AERONAUTICAL MOBILE-SATELLITE (R) (5.198A 5.198B) 5.200 5.201	AERONAUTICAL MOBILE (R) 5.200 5.201 ECA5	Aeronautical communications		EN 300 676 EN 301 841 EN 301 842	123.1 MHz Auxiliary aeronautical mobile distress communication. EN 301 841-3 is for ground-based equipment
136 MHz - 137 MHz					
AERONAUTICAL MOBILE (R) AERONAUTICAL MOBILE-SATELLITE (R) (5.198A 5.198B) 5.202	AERONAUTICAL MOBILE (R) 5.202 ECA5	Aeronautical communications		EN 300 676 EN 301 841 EN 301 842	EN 301 841-3 is for ground-based equipment
137 MHz - 137.025 MHz					
METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208A 5.208B 5.209) SPACE OPERATION (SPACE-TO-EARTH) (5.203C) SPACE RESEARCH (SPACE-TO-EARTH) Fixed Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208A 5.208B 5.209) SPACE OPERATION (SPACE-TO-EARTH) SPACE RESEARCH (SPACE-TO-EARTH) (5.203C) 5.206 5.208 ECA6 ECA36	Aeronautical military systems			
		Land military systems			
		Land mobile			Mobile restricted to Aeronautical Mobile (OR), including air sport
		MSS Earth stations	ERC/DEC/(99)06	EN 301 721	Non-geostationary
		Maritime military systems			
		Satellite systems (military)			
		Weather satellites			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
137.025 MHz - 137.175 MHz					
METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) SPACE OPERATION (SPACE-TO-EARTH) (5.203C) SPACE RESEARCH (SPACE-TO-EARTH) Fixed Mobile except aeronautical mobile (R) Mobile-Satellite (space-to-Earth) (5.208A 5.208B 5.209) 5.204 5.205 5.206 5.207 5.208	METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE SPACE OPERATION (SPACE-TO-EARTH) SPACE RESEARCH (SPACE-TO-EARTH) (5.203C) Mobile-Satellite (space-to-Earth) (5.208A 5.208B 5.209) 5.206 5.208 ECA6 ECA36	Aeronautical military systems			
		Land military systems			
		Land mobile			Mobile restricted to Aeronautical Mobile (OR), including air sport
		MSS Earth stations	ERC/DEC/(99)06	EN 301 721	Non-geostationary
		Maritime military systems			
		Satellite systems (military)			
		Weather satellites			
137.175 MHz - 137.825 MHz					
METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208A 5.208B 5.209) SPACE OPERATION (SPACE-TO-EARTH) (5.209A 5.203C) SPACE RESEARCH (SPACE-TO-EARTH) Fixed Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208A 5.208B 5.209) SPACE OPERATION (SPACE-TO-EARTH) (5.203C 5.209A) SPACE RESEARCH (SPACE-TO-EARTH) 5.206 5.208 ECA6 ECA36	Aeronautical military systems			
		Land military systems			
		Land mobile			Mobile restricted to Aeronautical Mobile (OR), including air sport
		MSS Earth stations	ERC/DEC/(99)06	EN 301 721	Non-geostationary
		Maritime military systems			
		Satellite systems (military)			
		Weather satellites			
137.825 MHz - 138 MHz					
METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) SPACE OPERATION (SPACE-TO-EARTH) (5.203C) SPACE RESEARCH (SPACE-TO-EARTH) Fixed Mobile except aeronautical mobile (R) Mobile-Satellite (space-to-Earth) (5.208A 5.208B 5.209) 5.204 5.205 5.206 5.207 5.208	METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE SPACE OPERATION (SPACE-TO-EARTH) (5.203C) SPACE RESEARCH (SPACE-TO-EARTH) Mobile-Satellite (space-to-Earth) (5.208A 5.208B 5.209) 5.206 5.208 ECA6 ECA36	Aeronautical military systems			
		Land military systems			
		Land mobile			Mobile restricted to Aeronautical Mobile (OR), including air sport
		MSS Earth stations	ERC/DEC/(99)06	EN 301 721	Non-geostationary
		Maritime military systems			
		Satellite systems (military)			
		Weather satellites			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
138 MHz - 143.6 MHz					
AERONAUTICAL MOBILE (OR) 5.210 5.211 5.212 5.214	AERONAUTICAL MOBILE (OR) LAND MOBILE Space research (space-to-Earth) 5.211 ECA5 ECA36	Aeronautical military systems			
		Land military systems			
		Land mobile			
		Maritime military systems			
		Non-specific SRDs	ERC/REC 70-03	EN 300 220	Within the band 138.20-138.45 MHz
143.6 MHz - 143.65 MHz					
AERONAUTICAL MOBILE (OR) SPACE RESEARCH (SPACE-TO-EARTH) 5.211 5.212 5.214	AERONAUTICAL MOBILE (OR) LAND MOBILE SPACE RESEARCH (SPACE-TO-EARTH) 5.211 ECA5 ECA36	Aeronautical military systems			
		Land military systems			
		Land mobile			
		Maritime military systems			
143.65 MHz - 144 MHz					
AERONAUTICAL MOBILE (OR) 5.210 5.211 5.212 5.214	AERONAUTICAL MOBILE (OR) LAND MOBILE 5.211 ECA5 ECA36	Aeronautical military systems			
		Land military systems			
		Land mobile			
		Maritime military systems			
144 MHz - 146 MHz					
AMATEUR AMATEUR-SATELLITE 5.216	AMATEUR AMATEUR-SATELLITE	Amateur		EN 301 783	
		Amateur-satellite			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*

146 MHz - 148 MHz

FIXED Mobile except aeronautical mobile (R)	MOBILE ECA7 ECA36	Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	

148 MHz - 149.9 MHz

FIXED MOBILE-SATELLITE (EARTH-TO-SPACE) (5.209) Mobile except aeronautical mobile (R) 5.218 5.218A 5.219 5.221	MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) (5.209) 5.218 5.218A 5.219 5.221 ECA6 ECA7 ECA36	MSS Earth stations	ERC/DEC/(99)06	EN 301 721	Non-geostationary
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
149.9 MHz - 150.05 MHz					
MOBILE-SATELLITE (EARTH-TO-SPACE) (5.209 5.220)	MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) (5.209 5.220) ECA6 ECA36	MSS Earth stations	ERC/DEC/(99)06	EN 301 721	Non-geostationary
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	Single frequency applications
150.05 MHz - 153 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE RADIO ASTRONOMY 5.149	MOBILE EXCEPT AERONAUTICAL MOBILE RADIO ASTRONOMY 5.149 ECA7 ECA36	Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
		Radio astronomy			Continuum observations (inter-alia solar research)

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
153 MHz - 154 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) Meteorological aids	MOBILE EXCEPT AERONAUTICAL MOBILE (R) ECA7 ECA36	Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	Base station transmit paired with 148.4-149.4 MHz
154 MHz - 156.4875 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.225A 5.226	MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.226 ECA7 ECA8 ECA36	Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
156.4875 MHz - 156.5125 MHz					
MARITIME MOBILE (DISTRESS AND CALLING VIA DSC) 5.226 5.227	MARITIME MOBILE (DISTRESS AND CALLING VIA DSC) 5.226 5.227 ECA7 ECA8 ECA36	Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
156.5125 MHz - 156.5375 MHz					
MARITIME MOBILE (DISTRESS AND CALLING VIA DSC) 5.111 5.226	MARITIME MOBILE (DISTRESS AND CALLING VIA DSC) 5.111 5.226 ECA36	AMRD Group A	ECC/DEC/(22)02		
		DSC	ECC/DEC/(19)03	EN 301 025 EN 301 929 EN 302 885 EN 303 132	RR Appendix 18. Distress, safety and calling 156.525 MHz.
		Maritime military systems			
156.5375 MHz - 156.5625 MHz					
MARITIME MOBILE (DISTRESS AND CALLING VIA DSC) 5.226 5.227	MARITIME MOBILE (DISTRESS AND CALLING VIA DSC) MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.226 5.227 ECA7 ECA8 ECA36	Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			
156.5625 MHz - 156.7625 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.226	MOBILE EXCEPT AERONAUTICAL MOBILE (R) 5.226 ECA7 ECA8 ECA36	Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			
156.7625 MHz - 156.7875 MHz					
MARITIME MOBILE Mobile-Satellite (Earth-to-space) 5.111 5.226 5.228	MARITIME MOBILE (DISTRESS AND CALLING) 5.111 5.226 5.228 ECA36	Maritime communications	ECC/DEC/(19)03	EN 301 929	RR Appendix 18. Satellite AIS Earth-to-space
		Maritime military systems			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
156.7875 MHz - 156.8125 MHz					
MARITIME MOBILE (DISTRESS AND CALLING) 5.111 5.226	MARITIME MOBILE (DISTRESS AND CALLING) 5.111 5.226 ECA36	Maritime communications	ECC/DEC/(19)03	EN 300 162	RR Appendix 18. Distress, safety and calling 156.8 MHz for the maritime mobile VHF radiotelephone service.
		Maritime military systems			
156.8125 MHz - 156.8375 MHz					
MARITIME MOBILE Mobile-Satellite (Earth-to-space) 5.111 5.226 5.228	MARITIME MOBILE 5.111 5.226 5.228 ECA36	Maritime communications	ECC/DEC/(19)03	EN 301 929	RR Appendix 18. Satellite AIS Earth-to-space.
		Maritime military systems			
156.8375 MHz - 157.1875 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.226)	MOBILE EXCEPT AERONAUTICAL MOBILE (5.226 ECA7 ECA8) ECA36	Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
157.1875 MHz - 157.3375 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.226) Maritime mobile-satellite (5.208A 5.208B 5.228AC 5.228AB)	Maritime mobile-satellite (5.208A 5.208B 5.228AB 5.228AC) Mobile except aeronautical mobile (5.226) ECA7 ECA8 ECA36	Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
157.3375 MHz - 161.7875 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.226)	MOBILE EXCEPT AERONAUTICAL MOBILE (5.226) ECA7 ECA8 ECA36	AMRD Group B	ECC/DEC/(22)02		Within frequency range 160.8875-160.9125 MHz
		Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
161.7875 MHz - 161.9375 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.226) Maritime mobile-satellite (5.208A 5.228AB 5.208B 5.228AC)	MOBILE EXCEPT AERONAUTICAL MOBILE (5.226) Maritime mobile-satellite (5.208A 5.208B 5.228AB 5.228AC) ECA7 ECA8 ECA36	Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	
161.9375 MHz - 161.9625 MHz					
FIXED MARITIME MOBILE-SATELLITE (EARTH-TO-SPACE) (5.228AA) MOBILE EXCEPT AERONAUTICAL MOBILE 5.226	MOBILE EXCEPT AERONAUTICAL MOBILE Maritime mobile-satellite (Earth-to-space) (5.228AA) 5.226 ECA7 ECA8 ECA36	Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
161.9625 MHz - 161.9875 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.226) Mobile-Satellite (Earth-to-space) (5.228F) 5.226 5.228A 5.228B	MOBILE EXCEPT AERONAUTICAL MOBILE Mobile-Satellite (Earth-to-space) (5.228F) 5.226 ECA7 ECA8	AIS		EN 303 098	Centre frequency 161.975 MHz
		AMRD Group A	ECC/DEC/(22)02		
		Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			
161.9875 MHz - 162.0125 MHz					
FIXED MARITIME MOBILE-SATELLITE (EARTH-TO-SPACE) (5.228AA) MOBILE EXCEPT AERONAUTICAL MOBILE 5.226	MOBILE EXCEPT AERONAUTICAL MOBILE Maritime mobile-satellite (Earth-to-space) (5.228AA) 5.226 ECA7 ECA8 ECA36	Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			
162.0125 MHz - 162.0375 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Mobile-Satellite (Earth-to-space) (5.228F) 5.226 5.228A 5.228B	MOBILE EXCEPT AERONAUTICAL MOBILE 5.226 ECA7 ECA8 ECA36	AIS		EN 303 098	Centre frequency 162.025 MHz
		AMRD Group A	ECC/DEC/(22)02		
		Maritime communications	ECC/DEC/(19)03	EN 300 162 EN 300 698 EN 301 025 EN 301 178 EN 301 929	RR Appendix 18
		Maritime military systems			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
162.0375 MHz - 169.4 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.226	Mobile except aeronautical mobile 5.226 ECA7 ECA36	Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	Single frequency applications. 165.225-169.4 MHz mobile station transmit paired with 169.825-174.0 MHz, 162.05-165.2 MHz: Base station transmit paired with 157.45-160.6 MHz.
169.4 MHz - 169.8125 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE	Mobile except aeronautical mobile ECA36	ALD	ECC/DEC/(05)02 ERC/REC 70-03	EN 300 422	The bands 169.400-169.475 MHz and 169.4875-169.5875 MHz.
		Maritime military systems			
		Meter reading	ECC/DEC/(05)02 ERC/REC 70-03	EN 300 220	Within the band 169.400-169.475 MHz
		Non-specific SRDs	ECC/DEC/(05)02 ERC/REC 70-03	EN 300 220	
169.8125 MHz - 174 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE	Mobile except aeronautical mobile ECA7 ECA36	Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	Single frequency applications. 169.825-174 MHz Base station transmit paired with 165.225-169.4 MHz.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
174 MHz - 223 MHz					
BROADCASTING 5.235	BROADCASTING LAND MOBILE 5.235	Audio PMSE	ERC/REC 25-10	EN 300 454	Radio microphones and In-ear monitors on a tuning range basis within 174-216 MHz
		Broadcasting (terrestrial)		EN 302 077 EN 302 296	Geneva Agreement 2006. TV Broadcasting T-DAB.
		Radio microphones and ALD	ERC/REC 25-10 ERC/REC 70-03	EN 300 422	On a tuning range basis within 174-216 MHz
223 MHz - 225 MHz					
BROADCASTING Fixed Mobile 5.243 5.246 5.247	BROADCASTING	Broadcasting (terrestrial)		EN 302 077 EN 302 296	Geneva Agreement 2006. TV Broadcasting, T-DAB
225 MHz - 230 MHz					
BROADCASTING Fixed Mobile 5.246 5.247	BROADCASTING Land mobile ECA10 ECA36	Broadcasting (terrestrial)		EN 302 077 EN 302 296	Geneva Agreement 2006.This band is within the military tuning range 225-400 MHz. Sharing with defence on national basis. TV Broadcasting, T-DAB.
		Defence systems			
230 MHz - 235 MHz					
FIXED MOBILE 5.247 5.251 5.252	MOBILE ECA10 ECA36	Defence systems			
		T-DAB			T-DAB sharing with defence on a national basis. Wiesbaden 1995 Special Arrangement, as revised in Constanta, 2007. Within the frequency range 230-240 MHz.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
235 MHz - 240 MHz					
FIXED MOBILE 5.252 5.254	MOBILE 5.254 ECA10 ECA36	Defence systems			
		T-DAB			T-DAB sharing with defence on a national basis. Wiesbaden 1995 Special Arrangement, as revised in Constanta, 2007. Within the frequency range 230-240 MHz
240 MHz - 242.95 MHz					
FIXED MOBILE 5.111 5.254 5.256	MOBILE 5.254 ECA10 ECA36	Defence systems		EN 302 617	
242.95 MHz - 243.05 MHz					
FIXED MOBILE 5.111 5.254 5.256	AERONAUTICAL MOBILE 5.111 5.254 5.256	EPIRBs		EN 300 152	Band only available for distress and safety purposes 243.0 MHz
243.05 MHz - 267 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.111 5.252 5.254 5.256 5.256A	MOBILE 5.254 ECA10 ECA36	Defence systems		EN 302 617	
267 MHz - 272 MHz					
FIXED MOBILE Space Operation (space-to-Earth) 5.254 5.257	MOBILE 5.254 5.257 ECA10 ECA36	Defence systems		EN 302 617	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
272 MHz - 273 MHz					
FIXED MOBILE SPACE OPERATION (SPACE-TO-EARTH) 5.254	MOBILE 5.254 ECA10 ECA36	Defence systems		EN 302 617	
273 MHz - 312 MHz					
FIXED MOBILE 5.254	MOBILE 5.254 ECA10 ECA36	Defence systems		EN 302 617	
312 MHz - 315 MHz					
FIXED MOBILE Mobile-Satellite (Earth-to-space) (5.254 5.255)	MOBILE 5.254 5.255 ECA10 ECA36	Defence systems		EN 302 617	
315 MHz - 322 MHz					
FIXED MOBILE 5.254	MOBILE 5.254 ECA10 ECA36	Defence systems		EN 302 617	
322 MHz - 328.6 MHz					
FIXED MOBILE RADIO ASTRONOMY 5.149	MOBILE RADIO ASTRONOMY 5.149 ECA10 ECA36	Defence systems			
		Radio astronomy			Continuum and spectral line observations (e.g. deuterium), VLBI

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
328.6 MHz - 335.4 MHz					
AERONAUTICAL RADIONAVIGATION 5.258 5.259	AERONAUTICAL RADIONAVIGATION 5.258	ILS			Glide path
335.4 MHz - 380 MHz					
FIXED MOBILE 5.254	MOBILE 5.254 ECA7 ECA10 ECA36	Defence systems		EN 302 617	
380 MHz - 385 MHz					
FIXED MOBILE 5.254	MOBILE 5.254 ECA10 ECA36	Defence systems			
		PPDR	ECC/DEC/(06)05 ECC/DEC/(08)05 ERC/DEC/(01)19 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 302 426 EN 302 561	Within the bands 384.8-385.0 and 394.8-395.0 MHz for AGA, 384.750-384.800 MHz and 394.750-394.800 MHz may be used as preferred extension bands for AGA. Within the bands 380-380.15 and 390-390.15 MHz for DMO. Mobile station transmit paired with 390-395 MHz. PPDR sharing with defence applications. PPDR on a tuning range basis in 380-470 MHz range according to ECC/DEC/(08)05.
385 MHz - 387 MHz					
FIXED MOBILE 5.254	MOBILE 5.254 ECA10 ECA36	Defence systems			
		PPDR	ECC/DEC/(08)05 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 302 426 EN 302 561	Mobile station transmit paired with 395-397 MHz. PPDR on a tuning range basis in 380-470 MHz range according to ECC/DEC/(08)05.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
387 MHz - 390 MHz					
FIXED MOBILE Mobile-Satellite (space-to-Earth) (5.208A 5.254 5.255 5.208B)	MOBILE ECA10 ECA36	Defence systems			
		PPDR	ECC/DEC/(08)05 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 302 426 EN 302 561	Single frequency applications in 389.9-390 MHz. Mobile station transmit paired with 397.0-399.9 MHz. PPDR on a tuning range basis in 380-470 MHz range according to ECC/DEC/(08)05.
390 MHz - 395 MHz					
FIXED MOBILE 5.254	MOBILE 5.254 ECA10 ECA36	Defence systems			
		PPDR	ECC/DEC/(06)05 ECC/DEC/(08)05 ERC/DEC/(01)19 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 302 426 EN 302 561	Within the bands 384.8-385.0 and 394.8-395.0 MHz for AGA, 384.750-384.800 MHz and 394.750-394.800 MHz may be used as preferred extension bands. Within the bands 380-380.15 and 390-390.15 MHz for DMO. Base station transmit paired with 380-385 MHz. PPDR sharing with defence applications. PPDR on a tuning range basis in 380-470 MHz range according to ECC/DEC/(08)05.
395 MHz - 399.9 MHz					
FIXED MOBILE 5.254	MOBILE 5.254 ECA10 ECA36	Defence systems			
		PPDR	T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 302 426 EN 302 561	Base station transmit paired with 385.0-389.9 MHz. PPDR on a tuning range basis in 380-470 MHz range according to ECC/DEC/(08)05.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
399.9 MHz - 400.05 MHz					
MOBILE-SATELLITE (EARTH-TO-SPACE) (5.220 5.209 5.260A 5.260B)	MOBILE-SATELLITE (EARTH-TO-SPACE) (5.209 5.220)	MSS Earth stations	ERC/DEC/(99)05 ERC/DEC/(99)06	EN 301 721	Non-geostationary
		PPDR	ECC/DEC/(08)05		
400.05 MHz - 400.15 MHz					
STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHZ) 5.261 5.262	STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHZ) 5.261 5.262	PPDR	ECC/DEC/(08)05		
400.15 MHz - 401 MHz					
METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208A 5.208B 5.209) SPACE RESEARCH (SPACE-TO-EARTH) (5.263) Space Operation (space-to-Earth) 5.262 5.264	METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208A 5.208B 5.209) SPACE OPERATION (SPACE-TO-EARTH) SPACE RESEARCH (SPACE-TO-EARTH) (5.263) 5.262 5.264	MSS Earth stations	ERC/DEC/(99)05 ERC/DEC/(99)06	EN 301 721	Non-geostationary
		PPDR	ECC/DEC/(08)05		
		Sondes		EN 302 054	
		Weather satellites			
401 MHz - 402 MHz					
EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (EARTH-TO-SPACE) SPACE OPERATION (SPACE-TO-EARTH) Fixed Mobile except aeronautical mobile 5.264A 5.264B	EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (EARTH-TO-SPACE) 5.264A 5.264B	Earth exploration-satellite			
		Sondes		EN 302 054	
		ULP-AMI	ERC/DEC/(01)17 ERC/REC 70-03	EN 302 537	
		Weather satellites			Data collection platform telemetry

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
402 MHz - 403 MHz					
EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (EARTH-TO-SPACE) Fixed Mobile except aeronautical mobile 5.264A 5.264B	EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (EARTH-TO-SPACE) 5.264A 5.264B	Earth exploration-satellite			
		Sondes		EN 302 054	
		Weather satellites			Data collection platform telemetry
403 MHz - 406 MHz					
METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile 5.265	METEOROLOGICAL AIDS 5.265	Sondes		EN 302 054	
		ULP-AMI	ERC/DEC/(01)17 ERC/REC 70-03	EN 301 839 EN 302 537	EN 301 839 is only within the band 402-405 MHz. EN 302 537 is only within the band 405-406 MHz
406 MHz - 406.1 MHz					
MOBILE-SATELLITE (EARTH-TO-SPACE) 5.265 5.266 5.267	MOBILE-SATELLITE (EARTH-TO-SPACE) 5.265 5.266 5.267	EPIRBs		EN 300 066 EN 302 152	Band only available for distress and safety purposes
406.1 MHz - 410 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE RADIO ASTRONOMY 5.149 5.265	LAND MOBILE RADIO ASTRONOMY 5.149 5.265 ECA36	Land military systems			
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	Single frequency applications. PPDR on a tuning range basis in 380-470 MHz range according to ECC/DEC/(08)05
		Radio astronomy			Continuum observations, VLBI

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
410 MHz - 420 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE SPACE RESEARCH (SPACE-TO-SPACE) (5.268)	MOBILE EXCEPT AERONAUTICAL MOBILE ECA36	Land military systems			
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 301 908 EN 302 561 EN 303 039	Mobile station transmit paired with 420-430 MHz.
		PPDR	ECC/DEC/(08)05 ECC/DEC/(16)02 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 301 908 EN 302 426 EN 302 561	Mobile station transmit paired with 420-430 MHz. PPDR on a tuning range basis in 380-470 MHz range according to ECC/ DEC/(08)05.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
420 MHz - 430 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Radiolocation 5.269 5.270 5.271	MOBILE EXCEPT AERONAUTICAL MOBILE Radiolocation ECA7 ECA36	Land military systems			
		Maritime military systems			
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 301 908 EN 302 561 EN 303 039	Base station transmit paired with 410-420 MHz.
		PPDR	ECC/DEC/(08)05 ECC/DEC/(16)02 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 301 908 EN 302 426 EN 302 561	Base station transmit paired with 410-420 MHz. PPDR on a tuning range basis in 380-470 MHz range according to ECC/ DEC/(08)05.
		Radiolocation (military)			
430 MHz - 432 MHz					
AMATEUR RADIOLOCATION 5.271 5.274 5.275 5.276 5.277	AMATEUR RADIOLOCATION ECA12 ECA36	Amateur		EN 301 783	Within the band 430-440 MHz
		Radiolocation (military)			
		ULP-WMCE	ERC/REC 70-03	EN 303 520	Within the band 430-440 MHz
432 MHz - 433.05 MHz					
AMATEUR RADIOLOCATION Earth exploration-satellite (active) (5.279A) 5.138 5.271 5.276 5.277 5.280	AMATEUR RADIOLOCATION Earth exploration-satellite (active) (5.279A) ECA12 ECA36	Active sensors (satellite)			The use of this band by sensors in the EESS (active) shall be in accordance with Recommendation ITU-R SA 1260-1
		Amateur		EN 301 783	Within the band 430-440 MHz
		Radiolocation (military)			
		ULP-WMCE	ERC/REC 70-03	EN 303 520	Within the band 430-440 MHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
433.05 MHz - 434.79 MHz					
AMATEUR RADIOLOCATION Earth exploration-satellite (active) (5.279A) 5.138 5.271 5.276 5.277 5.280 5.281	AMATEUR RADIOLOCATION Earth exploration-satellite (active) (5.279A) Land mobile 5.138 5.280 ECA12 ECA36	Active sensors (satellite)			The use of this band by sensors in the EESS (active) shall be in accordance with Recommendation ITU-R SA 1260-1
		Amateur		EN 301 783	Within the band 430-440 MHz
		ISM			
		Non-specific SRDs	ERC/REC 70-03	EN 300 220	
		Radiolocation (military)			
		ULP-WMCE	ERC/REC 70-03	EN 303 520	Within the band 430-440 MHz
434.79 MHz - 438 MHz					
AMATEUR RADIOLOCATION Earth exploration-satellite (active) (5.279A) 5.138 5.271 5.276 5.277 5.280 5.282	AMATEUR AMATEUR-SATELLITE RADIOLOCATION Earth exploration-satellite (active) (5.279A) ECA12 ECA36	Active sensors (satellite)			The use of this band by sensors in the EESS (active) shall be in accordance with Recommendation ITU-R SA 1260-1
		Amateur		EN 301 783	Within the band 430-440 MHz
		Amateur-satellite			Amateur Satellite Service restricted to 435-438 MHz
		Radiolocation (military)			
		ULP-WMCE	ERC/REC 70-03	EN 303 520	Within the band 430-440 MHz
438 MHz - 440 MHz					
AMATEUR RADIOLOCATION 5.271 5.274 5.275 5.276 5.277 5.283	AMATEUR RADIOLOCATION ECA12 ECA36	Amateur		EN 301 783	Within the band 430-440 MHz
		Radiolocation (military)			
		ULP-WMCE	ERC/REC 70-03	EN 303 520	Within the band 430-440 MHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
440 MHz - 450 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Radiolocation 5.269 5.270 5.271 5.284 5.285 5.286	MOBILE EXCEPT AERONAUTICAL MOBILE Radiolocation ECA7 ECA36	Land military systems			
		Maritime military systems			
		On-site paging		EN 300 224	Call-out & answer-back
		PMR 446	ECC/DEC/(15)05 ERC/REC 70-03	EN 303 405	PMR446 in 446.0-446.2 MHz
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561 EN 303 039	Single frequency operation. PPDR on a tuning range basis in 380-470 MHz range according to ECC/DEC/(08)05.
		Radiolocation (military)			
		Wind profilers			Geographical sharing with other services

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
450 MHz - 455 MHz					
FIXED MOBILE (5.286AA) 5.209 5.271 5.286 5.286A 5.286B 5.286C 5.286D 5.286E	MOBILE ECA7 ECA34	On-site paging		EN 300 224	Call-out & answer-back
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 301 908 EN 302 561 EN 303 039	Mobile station transmit paired with 460-465 MHz.
		PPDR	ECC/DEC/(08)05 ECC/DEC/(16)02 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 301 908 EN 302 426 EN 302 561	Mobile station transmit paired with 460-465 MHz. PPDR on a tuning range basis in 380-470 MHz range according to ECC/ DEC/(08)05.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
455 MHz - 456 MHz					
FIXED MOBILE (5.286AA) 5.209 5.271 5.286A 5.286B 5.286C 5.286E	MOBILE ECA7 ECA34	Land mobile			Existing public cellular networks
		On-site paging		EN 300 224	Call-out & answer-back
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 301 908 EN 302 561 EN 303 039	Mobile station transmit paired with 465-466 MHz.
		PPDR	ECC/DEC/(08)05 ECC/DEC/(16)02 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 301 908 EN 302 426 EN 302 561	Mobile station transmit paired with 465-466 MHz. PPDR on a tuning range basis in 380-470 MHz range according to ECC/ DEC/(08)05.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
456 MHz - 459 MHz					
FIXED MOBILE (5.286AA) 5.271 5.287 5.288	MOBILE 5.287 ECA7 ECA34	Land mobile			Existing public cellular networks
		On-board communications		EN 300 720	Within 457.5125-457.5875 MHz and 467.5125-467.5875 MHz
		On-site paging		EN 300 224	Call-out & answer-back
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 301 908 EN 302 561 EN 303 039	Mobile station transmit paired with 466-469 MHz.
		PPDR	ECC/DEC/(08)05 ECC/DEC/(16)02 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 301 908 EN 302 426 EN 302 561	Mobile station transmit paired with 466-469 MHz. PPDR on a tuning range basis in 380-470 MHz range according to ECC/ DEC/(08)05.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
459 MHz - 460 MHz					
FIXED MOBILE (5.286AA) 5.209 5.271 5.286A 5.286B 5.286C 5.286E	MOBILE ECA7	Land mobile			Existing public cellular networks
		On-site paging		EN 300 224	Call-out & answer-back
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 301 908 EN 302 561 EN 303 039	Mobile station transmit paired with 469-470 MHz
		PPDR	ECC/DEC/(08)05 ECC/DEC/(16)02 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 301 908 EN 302 426 EN 302 561	Mobile station transmit paired with 469-470 MHz. PPDR on a tuning range basis in 380-470 MHz range according to ECC/ DEC/(08)05.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
460 MHz - 470 MHz					
FIXED MOBILE (5.286AA) Meteorological-satellite (space-to-Earth) 5.287 5.288 5.289 5.290	MOBILE 5.287 5.289 ECA7 ECA34	Land mobile			Existing public cellular networks
		On-board communications		EN 300 720	Within 457.5125-457.5875 MHz and 467.5125-467.5875 MHz
		On-site paging		EN 300 224	Call-out & answer-back
		PMR/PAMR	ECC/DEC/(19)02 T/R 25-08	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 301 908 EN 302 561 EN 303 039	Base station transmit paired with 450-460 MHz.
		PPDR	ECC/DEC/(08)05 ECC/DEC/(16)02 T/R 25-08	EN 300 113 EN 301 449 EN 301 502 EN 301 511 EN 301 526 EN 301 908 EN 302 426 EN 302 561	Base station transmit paired with 450-460 MHz. PPDR on a tuning range basis in 380-470 MHz range according to ECC/ DEC/(08)05.
		Space research			Allocation to EESS is via RR 5.289. Data collection platform telecommand. Geographical sharing with other services
470 MHz - 694 MHz					
BROADCASTING 5.149 5.291A 5.294 5.295A 5.296 5.300 5.304 5.306 5.307A 5.307B 5.312	BROADCASTING 5.149 5.291A 5.296 5.306 ECA13	Audio PMSE	ERC/REC 25-10	EN 300 422 EN 300 454	Audio links and Talkback on a tuning range basis
		Broadcasting (terrestrial)		EN 302 296 EN 303 340	Geneva Agreement 2006. TV Broadcasting
		Radio astronomy			Continuum observations, VLBI
		Radio microphones and ALD	ERC/REC 25-10 ERC/REC 70-03	EN 300 422	Within the band 470-789 MHz on a tuning range basis
		Wind profilers			Limited to the band 470-494 MHz. Geographical sharing with other services

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
694 MHz - 790 MHz					
BROADCASTING MOBILE EXCEPT AERONAUTICAL MOBILE (5.312A 5.317A 5.312B) 5.300 5.312	BROADCASTING MOBILE EXCEPT AERONAUTICAL MOBILE (5.312A 5.317A) 5.312 ECA38	Audio PMSE	ERC/REC 25-10	EN 300 422 EN 300 454	Radio microphones and In-ear monitors on a tuning rage basis within the band 733-757.5 MHz
		Broadcasting (terrestrial)		EN 302 296 EN 303 340	Geneva Agreement 2006 TV Broadcasting
		MFCN	ECC/DEC/(15)01 ECC/DEC/(22)01 ECC/DEC/(22)07 ECC/REC/(15)01	EN 301 908	Within the band 703-788 MHz
		PPDR	ECC/DEC/(16)02 ECC/REC/(16)03	EN 301 908	BB-PPDR options in 698-703/753-758 MHz, 703-733/758-788 MHz and 733-736/788-791 MHz
		Radio microphones and ALD	ERC/REC 25-10 ERC/REC 70-03	EN 300 422	Within the band 470-703 MHz and 733-757.5 MHz on a tuning range basis
790 MHz - 862 MHz					
BROADCASTING FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.317A 5.316B 5.312B) 5.312 5.319	MOBILE EXCEPT AERONAUTICAL MOBILE 5.312 5.316B 5.317A ECA13 ECA38	-			Geneva Agreement 2006
		MFCN	ECC/DEC/(09)03 ECC/DEC/(22)01 ECC/DEC/(22)07 ECC/REC/(11)04	EN 301 908	Within the band 791-862 MHz. Aerial UE are permitted in the band 832-862 MHz in ECC Decision (22)07
		PPDR	ECC/DEC/(16)02 ECC/REC/(16)03		BB-PPDR options in 698-703/753-758 MHz, 703-733/758-788 MHz and 733-736/788-791 MHz
		Radio microphones and ALD	ERC/REC 25-10 ERC/REC 70-03	EN 300 422	Within the band 821.5-832 MHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
862 MHz - 870 MHz					
BROADCASTING (5.322) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.312B 5.317A) 5.319 5.323	MOBILE (5.317A) 5.323 ECA13 ECA36	-			This band is identified for IMT in the RRs, but within CEPT this band is not planned for the harmonised introduction of IMT
		Alarms	ERC/REC 70-03	EN 300 220 EN 303 406	Within the bands 868.6-868.7, 869.25-869.4 and 869.65-869.7 MHz
		Audio PMSE	ERC/REC 25-10 ERC/REC 70-03	EN 300 422	Radio microphones and In-ear monitors within the band 863-865 MHz
		LPD-S	ECC/DEC/(25)02		
		Land military systems			
		Maritime military systems			
		Non-specific SRDs	ERC/REC 70-03	EN 300 220	
		RFID	ERC/REC 70-03	EN 302 208	Within the band 865-868 MHz
		Radio microphones and ALD	ERC/REC 25-10 ERC/REC 70-03	EN 300 422 EN 301 357	Within the band 863-865 MHz
		Social alarms	ERC/REC 70-03	EN 300 220	Within the band 869.2-869.25 MHz
		Tracking, tracing and data acquisition	ERC/REC 70-03	EN 303 659	Within the band 865-868 MHz
		Wideband data transmission systems	ERC/REC 70-03	EN 304 220	Within the band 863-868 MHz
870 MHz - 874.4 MHz					
BROADCASTING (5.322) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.317A 5.312B) 5.319 5.323	MOBILE (5.317A) 5.323 ECA13 ECA36	-			This band is identified for IMT in the RRs, but within CEPT this band is not planned for the harmonised introduction of IMT
		Land military systems			The band 870-876 MHz MHz is used for land military systems, specifically for unmanned systems.
		Non-specific SRDs	ERC/REC 70-03	EN 300 220	
		Tracking, tracing and data acquisition	ERC/REC 70-03	EN 303 204	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
874.4 MHz - 880 MHz					
BROADCASTING (5.322) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.317A 5.312B) 5.319 5.323	MOBILE (5.317A) 5.323 ECA13 ECA36	-			This band is identified for IMT in the RRs, but within CEPT this band is not planned for the harmonised introduction of IMT
		Land military systems			The band 870-876 MHz MHz is used for land military systems, specifically for unmanned systems.
		Maritime military systems			
		RMR	ECC/DEC/(20)02 ECC/REC/(05)08 ECC/REC/(25)02	EN 301 502 EN 301 511	Mobile station transmit paired with 919.4-925 MHz. GSM-R is included in ECC/DEC/(20)02.
880 MHz - 890 MHz					
BROADCASTING (5.322) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.317A 5.312B) 5.319 5.323	MOBILE (5.317A) 5.323 ECA13 ECA29 ECA32 ECA36	GSM	ECC/REC/(08)02 ERC/DEC/(97)02	EN 301 502 EN 301 511 EN 303 609	Within the band 880-890 MHz paired with 925-935 MHz
		Land military systems			
		MCV	ECC/DEC/(08)08		Within the band 880-915 MHz
		MFCN	ECC/DEC/(06)13 ECC/DEC/(22)01 ECC/DEC/(22)07 ECC/REC/(08)02	EN 301 908	Within the band 880-915 MHz. Aerial UE are permitted in ECC Decision (22)07.

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
890 MHz - 915 MHz					
BROADCASTING (5.322) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.317A 5.312B) Radiolocation 5.323	Mobile (5.317A) Radiolocation 5.323 ECA13 ECA14 ECA29 ECA32 ECA36	GSM	ECC/REC/(08)02 ERC/DEC/(94)01 ERC/DEC/(97)02	EN 301 502 EN 301 511 EN 303 609	Within the band 890-915 MHz paired with 935-960 MHz
		Land military systems			The bands 870-876 MHz and 915-921 MHz are used for land military systems, specifically for unmanned systems.
		MCV	ECC/DEC/(08)08		Within the bands 880-915 MHz and 925-960 MHz
		MFCN	ECC/DEC/(06)13 ECC/DEC/(22)01 ECC/DEC/(22)07 ECC/REC/(08)02	EN 301 908	Within the band 880-915 MHz. Aerial UE are permitted in ECC Decision (22)07.
		Maritime military systems			
		Telemetry/Telecommand (military)			
915 MHz - 919.4 MHz					
BROADCASTING (5.322) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.317A 5.312B) Radiolocation 5.323	MOBILE (5.317A) Radiolocation 5.323 ECA13 ECA14 ECA36	-			The band 915-925 MHz is identified for IMT in the RRs, but within CEPT this band is not planned for the harmonised introduction of IMT
		Land military systems			The bands 870-876 MHz and 915-921 MHz are used for land military systems, specifically for unmanned systems.
		Maritime military systems			
		Non-specific SRDs	ERC/REC 70-03	EN 300 220	
		RFID	ERC/REC 70-03	EN 302 208	
		Telemetry/Telecommand (military)			
		Tracking, tracing and data acquisition	ERC/REC 70-03	EN 303 659	
		Wideband data transmission systems	ERC/REC 70-03	EN 304 220	Within the band 915.8-919.4 MHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
919.4 MHz - 925 MHz					
BROADCASTING (5.322) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.317A 5.312B) Radiolocation 5.323	MOBILE (5.317A) Radiolocation 5.323 ECA13 ECA14 ECA36	-			The band 915-925 MHz is identified for IMT in the RRs, but within CEPT this band is not planned for the harmonised introduction of IMT
		Land military systems			The bands 870-876 MHz and 915-921 MHz are used for land military systems, specifically for unmanned systems.
		Maritime military systems			
		RMR	ECC/DEC/(20)02 ECC/REC/(05)08 ECC/REC/(25)02	EN 301 502 EN 301 511	Base station transmit paired with 874.4-880 MHz. GSM-R is included in ECC/DEC/(20)02.
925 MHz - 942 MHz					
BROADCASTING (5.322) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.317A 5.312B) Radiolocation 5.323	MOBILE (5.317A) Radiolocation 5.323 ECA13 ECA14 ECA30 ECA32 ECA36	GSM	ECC/REC/(08)02 ERC/DEC/(94)01 ERC/DEC/(97)02	EN 301 502 EN 301 511 EN 303 609	Within the band 890-915 MHz paired with 935-960 MHz
		Land military systems			The bands 870-876 MHz and 915-921 MHz are used for land military systems, specifically for unmanned systems.
		MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(06)13 ECC/DEC/(22)01 ECC/REC/(08)02	EN 301 908	
		Maritime military systems			
942 MHz - 960 MHz					
BROADCASTING (5.322) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.312B 5.317A) 5.323	MOBILE (5.317A) 5.323 ECA13 ECA29 ECA32	GSM	ECC/REC/(08)02 ERC/DEC/(94)01 ERC/DEC/(97)02	EN 301 502 EN 301 511 EN 303 609	Base station transmit paired with 897-915 MHz
		MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(06)13 ECC/DEC/(22)01 ECC/REC/(08)02	EN 301 908	

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
960 MHz - 1164 MHz					
AERONAUTICAL MOBILE (R) (5.327A) AERONAUTICAL RADIONAVIGATION (5.328) 5.328AA	AERONAUTICAL MOBILE (R) (5.327A) AERONAUTICAL MOBILE-SATELLITE (R) AERONAUTICAL RADIONAVIGATION (5.328) 5.328AA ECA36	Aeronautical			Including DME and SSR
		Aeronautical military systems			Military use includes JTIDS/MIDS and TACAN within 108.7-1092.3 MHz
1164 MHz - 1215 MHz					
AERONAUTICAL RADIONAVIGATION (5.328) RADIONAVIGATION-SATELLITE (SPACE-TO-EARTH) (SPACE-TO-SPACE) (5.328B) 5.328A	AERONAUTICAL RADIONAVIGATION (5.328) RADIONAVIGATION-SATELLITE (SPACE-TO-EARTH) (SPACE-TO-SPACE) (5.328B) 5.328A ECA36	Aeronautical military systems			Military use includes JTIDS/MIDS
		Aeronautical navigation			
		GALILEO		EN 303 413	Within the band 1164-1214 MHz
		GLONASS		EN 303 413	Within the band 1190.3-1213.8 MHz
		GNSS Repeater	ECC/REC/(10)02	EN 302 645	Within the band 1164-1300 MHz
		Satellite systems (military)			
1215 MHz - 1240 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION RADIONAVIGATION-SATELLITE (SPACE-TO-EARTH) (SPACE-TO-SPACE) (5.328B 5.329 5.329A) SPACE RESEARCH (ACTIVE) 5.330 5.331 5.332	EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION RADIONAVIGATION-SATELLITE (SPACE-TO-EARTH) (SPACE-TO-SPACE) (5.328B 5.329 5.329A) SPACE RESEARCH (ACTIVE) 5.331 5.332 ECA36	Active sensors (satellite)			
		GLONASS		EN 303 413	Within the band 1237.8-1253.8 MHz
		GNSS Repeater	ECC/REC/(10)02	EN 302 645	Within the band 1164-1300 MHz
		GPS		EN 303 413	Within the band 1215.6-1239.6 MHz
		Radiolocation (civil)			Radar and Navigation systems
		Radiolocation (military)			
		Satellite systems (military)			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1240 MHz - 1300 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION RADIONAVIGATION-SATELLITE (SPACE-TO-EARTH) (SPACE-TO-SPACE) (5.329 5.328B 5.329A) SPACE RESEARCH (ACTIVE) Amateur 5.282 5.330 5.331 5.332 5.332A 5.335A	EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION RADIONAVIGATION-SATELLITE (SPACE-TO-EARTH) (SPACE-TO-SPACE) (5.328B 5.329 5.329A) SPACE RESEARCH (ACTIVE) Amateur Amateur-satellite 5.282 5.331 5.332 5.332A 5.335A ECA36	Active sensors (satellite)			
		Amateur	ECC/DEC/(25)01	EN 301 783	
		Amateur-satellite	ECC/DEC/(25)01		1260-1270 MHz limited to Earth-to-space.
		GALILEO	ECC/DEC/(25)01	EN 303 413	Within the band 1258-1300 MHz
		GLONASS		EN 303 413	Within the band 1237.8-1253.8 MHz
		GNSS Repeater	ECC/REC/(10)02	EN 302 645	Within the band 1164-1300 MHz
		Radiolocation (civil)			Radar and Navigation systems
		Radiolocation (military)			
		Satellite systems (military)			
		Wind profilers			Within the band 1270-1295 MHz
1300 MHz - 1350 MHz					
AERONAUTICAL RADIONAVIGATION (5.337) RADIOLOCATION RADIONAVIGATION-SATELLITE (EARTH-TO-SPACE) 5.149 5.337A	AERONAUTICAL RADIONAVIGATION (5.337) RADIOLOCATION RADIONAVIGATION-SATELLITE (EARTH-TO-SPACE) 5.149 5.337A ECA36	Radio astronomy			Continuum and spectral line observations (e.g. neutral hydrogen line). VLBI.
		Radiolocation (civil)			Radar and Navigation systems
		Radiolocation (military)			
		Satellite navigation systems			
		Satellite systems (military)			
1350 MHz - 1400 MHz					
FIXED MOBILE RADIOLOCATION 5.149 5.338 5.338A 5.339	FIXED MOBILE RADIOLOCATION 5.149 5.338A 5.339 ECA36	Aeronautical military systems			
		Fixed	T/R 13-01	EN 302 217	Low capacity fixed links
		Land military systems			
		Maritime military systems			
		Radio astronomy			Continuum and spectr.al line observations (e.g. neutral hydrogen line). VLBI
		Radio microphones and ALD	ERC/REC 25-10 ERC/REC 70-03	EN 300 422	Radio microphones and In-ear monitors
		Radiolocation (military)			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1400 MHz - 1427 MHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341	Passive sensors (satellite)	ECC/DEC/(11)01		Measurement of soil moisture, salinity, ocean surface temperature, vegetation index
		Radio astronomy			Continuum and spectral line observations (e.g. neutral hydrogen line). VLBI.
1427 MHz - 1429 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.341A) SPACE OPERATION (EARTH-TO-SPACE) 5.338A 5.341	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE SPACE OPERATION (EARTH-TO-SPACE) 5.338A 5.341 ECA36	Fixed	T/R 13-01	EN 302 217	Low capacity fixed links
		Land military systems			
		MFCN	ECC/DEC/(17)06 ECC/DEC/(22)01 ECC/REC/(15)01	EN 301 908	Supplemental Downlink
		Maritime military systems			
		Telemetry/Telecommand (military)			
1429 MHz - 1452 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.341A) 5.338A 5.341 5.342	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.338A 5.341 ECA36	Fixed	T/R 13-01	EN 302 217	Low capacity fixed links
		Land military systems			
		MFCN	ECC/DEC/(17)06 ECC/DEC/(22)01 ECC/REC/(15)01	EN 301 908	Supplemental Downlink
		Maritime military systems			
		Telemetry/Telecommand (military)			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1452 MHz - 1492 MHz					
BROADCASTING BROADCASTING-SATELLITE (5.208B) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.346) 5.341 5.342 5.345	BROADCASTING MOBILE EXCEPT AERONAUTICAL MOBILE Fixed 5.341 5.342 5.345	MFCN	ECC/DEC/(13)03 ECC/DEC/(22)01 ECC/REC/(15)01	EN 301 908	Supplemental Downlink
		T-DAB		EN 302 077 EN 303 345	Within the band 1452.0-1479.5 MHz. Maastricht 2002 Special Arrangement, as revised in Constanta, 2007.
		Telemetry/Telecommand (military)			
1492 MHz - 1518 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.341A) 5.341 5.342	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.341 ECA36	Fixed	T/R 13-01	EN 302 217	Low capacity fixed links
		Land military systems			
		MFCN	ECC/DEC/(17)06 ECC/DEC/(22)01 ECC/REC/(15)01	EN 301 908	Supplemental Downlink
		Maritime military systems			
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	On a tuning range basis
		Telemetry/Telecommand (military)			
1518 MHz - 1525 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH) (5.348 5.348A 5.348B 5.351A) 5.341 5.342	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH) (5.348 5.348A 5.348B 5.351A) 5.341 ECA36	Audio PMSE	ERC/REC 25-10	EN 300 422	Radio microphones and In-ear monitors on a tuning range basis
		Fixed		EN 302 217	Unidirectional fixed links
		IMT-2000 satellite component			
		Land military systems			
		MSS Earth stations	ECC/DEC/(04)09 ECC/DEC/(12)01	EN 301 444 EN 301 473 EN 301 681	
		Maritime military systems			
		Radio microphones and ALD	ERC/REC 70-03	EN 300 422	On a tuning range basis
		Telemetry/Telecommand (military)			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1525 MHz - 1530 MHz					
FIXED MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208B 5.351A) SPACE OPERATION (SPACE-TO-EARTH) Earth exploration-satellite Mobile except aeronautical mobile (5.349) 5.341 5.342 5.350 5.351 5.352A 5.354	FIXED MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208B 5.351A) SPACE OPERATION (SPACE-TO-EARTH) 5.341 5.351 5.354	Fixed		EN 302 217	Unidirectional fixed links
		IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(12)01	EN 301 426 EN 301 444 EN 301 473 EN 301 681	
1530 MHz - 1535 MHz					
MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208B 5.353A 5.351A) SPACE OPERATION (SPACE-TO-EARTH) Earth exploration-satellite Fixed Mobile except aeronautical mobile 5.341 5.342 5.351 5.354	MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208B 5.351A 5.353A) SPACE OPERATION (SPACE-TO-EARTH) Earth exploration-satellite Fixed Mobile except aeronautical mobile 5.341 5.351 5.354	IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(12)01	EN 301 426 EN 301 444 EN 301 473 EN 301 681	Priority for GMDSS Distress, urgency and safety and for AMS(R)S categories 1 to 6 communications
1535 MHz - 1559 MHz					
MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208B 5.351A) 5.341 5.351 5.353A 5.354 5.355 5.356 5.357 5.357A 5.359	MOBILE-SATELLITE (SPACE-TO-EARTH) (5.208B 5.351A) 5.341 5.351 5.353A 5.354 5.356 5.357 5.357A 5.359	IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(12)01	EN 301 426 EN 301 444 EN 301 473 EN 301 681	Priority for GMDSS Distress, urgency and safety and for AMS(R)S categories 1 to 6 communications within the band 1544-1545 MHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1559 MHz - 1610 MHz					
AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (SPACE-TO-EARTH) (5.208B) RADIONAVIGATION-SATELLITE (SPACE-TO-SPACE) (5.328B 5.329A) 5.341	AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (SPACE-TO-EARTH) (5.208B) RADIONAVIGATION-SATELLITE (SPACE-TO-SPACE) (5.328B 5.329A) 5.341	GALILEO		EN 303 413	Within the band 1559.42-1591.42 MHz
		GLONASS		EN 303 413	Within the band 1592.9-1610.5 MHz
		GNSS Repeater	ECC/REC/(10)02	EN 302 645	
		GPS		EN 303 413	Within the band 1563.42-1587.42 MHz
		IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(09)02 ECC/DEC/(12)01	EN 301 441 EN 301 473	
1610 MHz - 1610.6 MHz					
AERONAUTICAL RADIONAVIGATION MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) 5.341 5.355 5.359 5.364 5.366 5.367 5.368 5.369 5.371 5.372	AERONAUTICAL RADIONAVIGATION MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) 5.341 5.359 5.364 5.366 5.367 5.368 5.371 5.372	GLONASS			Within the band 1592.9-1610.5 MHz
		IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(09)02 ECC/DEC/(12)01	EN 301 441 EN 301 473	
1610.6 MHz - 1613.8 MHz					
AERONAUTICAL RADIONAVIGATION MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) RADIO ASTRONOMY 5.149 5.341 5.355 5.359 5.364 5.366 5.367 5.368 5.369 5.371 5.372	AERONAUTICAL RADIONAVIGATION MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) RADIO ASTRONOMY 5.149 5.341 5.359 5.364 5.366 5.367 5.368 5.371 5.372	IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(09)02 ECC/DEC/(12)01	EN 301 441 EN 301 473	
		Radio astronomy			Spectral line observations (e.g. hydroxyl line). VLBI
1613.8 MHz - 1621.35 MHz					
AERONAUTICAL RADIONAVIGATION MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) Mobile-Satellite (space-to-Earth) (5.208B) 5.341 5.355 5.359 5.364 5.365 5.366 5.367 5.368 5.369 5.371 5.372 5.372A	AERONAUTICAL RADIONAVIGATION MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) Mobile-Satellite (space-to-Earth) (5.208B) 5.341 5.359 5.364 5.365 5.366 5.367 5.368 5.371 5.372	IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(09)02 ECC/DEC/(09)04 ECC/DEC/(12)01	EN 301 426 EN 301 441 EN 301 473	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1621.35 MHz - 1626.5 MHz					
AERONAUTICAL RADIONAVIGATION MARITIME MOBILE-SATELLITE (SPACE-TO-EARTH) (5.373A 5.373) MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) Mobile-Satellite (space-to-Earth) (5.208B) Mobile-satellite except maritime mobile satellite (space-to-Earth) 5.341 5.355 5.359 5.364 5.365 5.366 5.367 5.368 5.369 5.371 5.372	AERONAUTICAL RADIONAVIGATION MARITIME MOBILE-SATELLITE (SPACE-TO-EARTH) (5.373 5.373A) MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) Mobile-Satellite (space-to-Earth) (5.208B) Mobile-satellite except maritime mobile satellite (space-to-Earth) 5.341 5.359 5.364 5.365 5.365 5.366 5.367 5.368 5.371 5.372	IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(09)02 ECC/DEC/(09)04 ECC/DEC/(12)01	EN 301 426 EN 301 441 EN 301 473	
1626.5 MHz - 1660 MHz					
MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) 5.341 5.351 5.353A 5.354 5.355 5.357A 5.359 5.374 5.375 5.376	MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) 5.100 5.341 5.351 5.353A 5.354 5.359 5.374 5.375 5.376	ALS	ERC/REC 70-03	EN 300 422	ALS is Assistive Listening Systems. Within 1656.5-1660.5 MHz
		IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(12)01	EN 301 426 EN 301 473 EN 301 681	Priority for GMDSS Distress, urgency and safety and for AMS(R)S categories 1 to 6 communications within the band 1645.5-1646.5 MHz
1660 MHz - 1660.5 MHz					
MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) RADIO ASTRONOMY 5.149 5.341 5.351 5.354 5.376A	MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) RADIO ASTRONOMY 5.149 5.341 5.351 5.354 5.376A	ALS	ERC/REC 70-03	EN 300 422	ALS is Assistive Listening Systems. Within 1656.5-1660.5 MHz
		IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(12)01	EN 301 426 EN 301 444 EN 301 473 EN 301 681	
		Radio astronomy			Continuum and spectral line observations (e.g. hydroxyl line), VLBI

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1660.5 MHz - 1668 MHz					
RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) Fixed Mobile except aeronautical mobile 5.149 5.341 5.379 5.379A	RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) Fixed Mobile except aeronautical mobile 5.149 5.341 5.379A	Radio astronomy			Continuum and spectral line observations (e.g. hydroxyl line), VLBI
1668 MHz - 1668.4 MHz					
MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A 5.379B 5.379C) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) Fixed Mobile except aeronautical mobile 5.149 5.341 5.379 5.379A	MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A 5.379B 5.379C) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) Fixed Mobile except aeronautical mobile 5.149 5.341 5.379A	IMT-2000 satellite component			
		Radio astronomy			Continuum and spectral line observations (e.g. hydroxyl line), VLBI
1668.4 MHz - 1670 MHz					
FIXED METEOROLOGICAL AIDS MOBILE EXCEPT AERONAUTICAL MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A 5.379B 5.379C) RADIO ASTRONOMY 5.149 5.341 5.379D 5.379E	FIXED METEOROLOGICAL AIDS MOBILE EXCEPT AERONAUTICAL MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A 5.379B 5.379C) RADIO ASTRONOMY 5.149 5.341 5.379D 5.379E	IMT-2000 satellite component			
		Meteorology			
		Radio astronomy			Continuum and spectral line observations (e.g. hydroxyl line), VLBI
1670 MHz - 1675 MHz					
FIXED METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A 5.379B) 5.341 5.379D 5.379E 5.380A	METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A 5.379B) Fixed 5.341 5.379D 5.379E 5.380A	IMT-2000 satellite component			
		MSS Earth stations	ECC/DEC/(04)09 ECC/DEC/(12)01	EN 301 444 EN 301 473 EN 301 681	
		Meteorology			
		Weather satellites			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1675 MHz - 1690 MHz					
FIXED METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE EXCEPT AERONAUTICAL MOBILE 5.341	FIXED METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE EXCEPT AERONAUTICAL MOBILE 5.341 ECA36	Land military systems			
		Maritime military systems			
		Meteorological aids (military)			
		Sondes		EN 302 454	Meteorological radiosondes
		Weather satellites			Data collection platform
1690 MHz - 1700 MHz					
METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) Fixed Mobile except aeronautical mobile 5.289 5.341 5.382	METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) Fixed Mobile except aeronautical mobile 5.289 5.341 ECA36	Land military systems			
		Maritime military systems			
		Meteorological aids (military)			
		Weather satellites			Data collection platform. Allocation to EESS is via RR 5.289
1700 MHz - 1710 MHz					
FIXED METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE EXCEPT AERONAUTICAL MOBILE 5.289 5.341	FIXED FIXED METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE (5.384A) Mobile except aeronautical mobile 5.289 5.341 ECA36	Land military systems			
		Maritime military systems			
		Meteorological aids (military)			
		Weather satellites			Data collection platform. Allocation to EESS is via RR 5.289

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1710 MHz - 1785 MHz					
FIXED MOBILE (5.384A 5.388A) 5.149 5.341 5.385 5.387	FIXED MOBILE (5.384A) 5.149 5.341 5.385 ECA29	GSM	ECC/REC/(05)08 ECC/REC/(08)02 ERC/DEC/(95)03	EN 301 502 EN 301 511 EN 303 609	
		Land military systems			
		MCA	ECC/DEC/(06)07	EN 302 480	
		MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(06)13 ECC/DEC/(22)01 ECC/DEC/(22)07 ECC/REC/(08)02	EN 301 908	Aerial UE are permitted – See ECC Decision (22)07
		Radio astronomy			Spectral line observations (e.g. hydroxyl line), VLB
1785 MHz - 1805 MHz					
FIXED MOBILE 5.387	FIXED MOBILE (5.384A) ECA36	-			This band is identified for IMT in the RRs, but within CEPT this band is not planned for the harmonised introduction of IMT. This band can also be used by fixed service on a national basis
		Audio PMSE	ERC/REC 25-10 ERC/REC 70-03	EN 300 422	
		Land military systems			
1805 MHz - 1880 MHz					
FIXED MOBILE (5.384A)	FIXED MOBILE (5.384A) ECA29	GSM	ECC/REC/(05)08 ECC/REC/(08)02 ERC/DEC/(95)03	EN 301 502 EN 301 511 EN 303 609	
		MCA	ECC/DEC/(06)07	EN 302 480	
		MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(06)13 ECC/DEC/(22)01 ECC/REC/(08)02	EN 301 908	Aerial UE are permitted – See ECC Decision (22)07

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1880 MHz - 1900 MHz					
FIXED MOBILE (5.384A) 5.388	MOBILE (5.384A) Fixed	DECT	ERC/DEC/(94)03 ERC/DEC/(98)22 ERC/REC 70-03	EN 301 406	
		UAS	ECC/REC/(24)02		Governmental drones
1900 MHz - 1920 MHz					
FIXED MOBILE (5.388A) 5.388	MOBILE (5.388A ECA38) Fixed 5.388 ECA29	RMR	ECC/DEC/(20)02 ECC/REC/(23)01		Within the band 1900-1910 MHz
		UAS	ECC/REC/(24)02		Within the band 1910-1920 MHz. Governmental drones
		Wideband data transmission systems	ERC/REC 70-03	EN 301 406	Within the band 1910-1920 MHz
1920 MHz - 1930 MHz					
FIXED MOBILE (5.388A) 5.388	MOBILE (5.388A ECA38) Fixed 5.388 ECA29	MCA	ECC/DEC/(06)07		
		MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(06)01 ECC/DEC/(22)01 ECC/DEC/(22)07 ERC/REC 01-01	EN 301 908	Aerial UE are permitted – See ECC Decision (22)07
1930 MHz - 1970 MHz					
FIXED MOBILE (5.388A) 5.388	MOBILE (5.388 5.388A ECA38) Fixed ECA29	-			This band can also be used by fixed service on a national basis
		MCA	ECC/DEC/(06)07		
		MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(06)01 ECC/DEC/(22)01 ECC/DEC/(22)07 ERC/REC 01-01	EN 301 908	1920-1980 MHz, Aerial UE are permitted – See ECC Decision (22)07

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
1970 MHz - 1980 MHz					
FIXED MOBILE (5.388A) 5.388	MOBILE (5.388A ECA38) Fixed 5.388 ECA29	-			This band can also be used by fixed service on a national basis
		MCA	ECC/DEC/(06)07		
		MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(06)01 ECC/DEC/(22)01 ECC/DEC/(22)07 ERC/REC 01-01	EN 301 908	1920-1980 MHz, Aerial UE are permitted – See ECC Decision (22)07
1980 MHz - 2010 MHz					
FIXED MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) 5.388 5.389A 5.389B 5.389F	MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) (5.351A) 5.388 5.389A	-			This band can also be used by fixed service on a national basis
		MSS Earth stations	ECC/DEC/(06)09 ECC/DEC/(06)10 ECC/DEC/(12)01	EN 301 442 EN 301 473 EN 302 574	The mobile satellite systems using this band may incorporate a complementary Ground Component (CGC)
2010 MHz - 2025 MHz					
FIXED MOBILE (5.388A 5.388) 5.388	MOBILE Fixed	-			This band can also be used by fixed service on a national basis
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
2025 MHz - 2110 MHz					
EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) (SPACE-TO-SPACE) FIXED MOBILE (5.391) SPACE OPERATION (EARTH-TO-SPACE) (SPACE-TO-SPACE) SPACE RESEARCH (EARTH-TO-SPACE) (SPACE-TO-SPACE) 5.392	EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) (SPACE-TO-SPACE) FIXED MOBILE (5.391) SPACE OPERATION (EARTH-TO-SPACE) (SPACE-TO-SPACE) SPACE RESEARCH (EARTH-TO-SPACE) (SPACE-TO-SPACE) 5.392 ECA16A ECA36	Aeronautical military systems			
		Fixed	T/R 13-01	EN 302 217	
		Land military systems			
		MSS Earth stations	ECC/REC/(24)03		
		Maritime military systems			
		Space research			Satellite payload and platform telecommand
		Telemetry/Telecommand (military)			
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links
2110 MHz - 2120 MHz					
FIXED MOBILE (5.388A) SPACE RESEARCH (DEEP SPACE) (EARTH-TO-SPACE) 5.388	MOBILE (5.388A) SPACE RESEARCH (DEEP SPACE) (EARTH-TO-SPACE) Fixed 5.388 ECA29	-			Satellite payload and platform telecommand for space research (deep space). This band can also be used by fixed service on a national basis
		MCA	ECC/DEC/(06)07		
		MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(06)01 ECC/DEC/(22)01 ERC/REC 01-01	EN 301 908	
2120 MHz - 2170 MHz					
FIXED MOBILE (5.388A) 5.388	FIXED MOBILE (5.388A) 5.388 ECA29	-			This band can also be used by fixed service on a national basis
		MCA	ECC/DEC/(06)07		
		MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(06)01 ECC/DEC/(22)01 ERC/REC 01-01	EN 301 908	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
2170 MHz - 2200 MHz					
FIXED MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH) (5.351A) 5.388 5.389A 5.389F	FIXED MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH) (5.351A) 5.388 5.389A	-			This band can also be used by fixed service on a national basis
		MSS Earth stations	ECC/DEC/(06)09 ECC/DEC/(06)10 ECC/DEC/(12)01 ECC/REC/(10)01	EN 301 442 EN 301 473 EN 302 574	The mobile satellite systems using this band may incorporate a Complementary Ground Component (CGC)
2200 MHz - 2290 MHz					
EARTH EXPLORATION-SATELLITE (SPACE-TO-EARTH) (SPACE-TO-SPACE) FIXED MOBILE (5.391) SPACE OPERATION (SPACE-TO-EARTH) (SPACE-TO-SPACE) SPACE RESEARCH (SPACE-TO-EARTH) (SPACE-TO-SPACE) 5.392	EARTH EXPLORATION-SATELLITE (SPACE-TO-EARTH) (SPACE-TO-SPACE) FIXED MOBILE (5.391) SPACE OPERATION (SPACE-TO-EARTH) (SPACE-TO-SPACE) SPACE RESEARCH (SPACE-TO-EARTH) (SPACE-TO-SPACE) 5.392 ECA16A ECA36	Aeronautical military systems			
		Fixed	T/R 13-01	EN 302 217	
		Land military systems			
		MSS Earth stations	ECC/REC/(24)03		
		Maritime military systems			
		Radio astronomy			Continuum observations, VLBI (used by SRS)
		Space research	ECC/REC/(10)01		EESS Satellite payload and platform telemetry
		Telemetry/Telecommand (military)			
		UWB applications	ECC/DEC/(07)01 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links
2290 MHz - 2300 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE SPACE RESEARCH (DEEP SPACE) (SPACE-TO-EARTH)	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE SPACE RESEARCH (DEEP SPACE) (SPACE-TO-EARTH)	Land mobile			Mobile applications
		Space research			Satellite payload and platform telemetry for space research (deep space). Continuum observations, VLBI (used by SRS)
		UWB applications	ECC/DEC/(07)01 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
2300 MHz - 2400 MHz					
FIXED MOBILE (5.384A) Amateur Radiolocation 5.395	FIXED MOBILE (5.384A) Amateur Radiolocation ECA36	Aeronautical military systems			
		Aeronautical telemetry	ERC/REC 62-02		Parts of the band are used for aeronautical telemetry on a national basis
		Amateur		EN 301 783	Within the band 2300-2450 MHz
		Land military systems			
		MFCN	ECC/DEC/(14)02 ECC/DEC/(22)01 ECC/REC/(14)04 ECC/REC/(15)04	EN 301 908	Shared use of spectrum envisaged
		Maritime military systems			
		Telemetry/Telecommand (military)			
		Video PMSE	ECC/REC/(15)04 ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links
2400 MHz - 2450 MHz					
FIXED MOBILE Amateur Radiolocation 5.150 5.282	FIXED MOBILE Amateur Amateur-satellite Radiolocation 5.150 5.282	Amateur		EN 301 783	Within the band 2300-2450 MHz
		Amateur-satellite			
		ISM			
		Non-specific SRDs	ERC/REC 70-03	EN 300 440	Within the band 2400.0-2483.5 MHz
		RFID	ERC/REC 70-03	EN 300 440	Within the band 2446-2454 MHz
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 2400.0-2483.5 MHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links
		Wideband data transmission systems	ERC/REC 70-03	EN 300 328	Within the band 2400-2483.5 MHz

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
2450 MHz - 2483.5 MHz					
FIXED MOBILE Radiolocation 5.150	FIXED MOBILE 5.150	ISM			
		Non-specific SRDs	ERC/REC 70-03	EN 300 440	Within the band 2400.0-2483.5 MHz
		RFID	ERC/REC 70-03	EN 300 440	Within the band 2446-2454 MHz
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 2400.0-2483.5 MHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links
		Wideband data transmission systems	ERC/REC 70-03	EN 300 328	Within the band 2400-2483.5 MHz
2483.5 MHz - 2500 MHz					
FIXED MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH) (5.351A) RADIODETERMINATION-SATELLITE (SPACE-TO-EARTH) (5.398) Radiolocation (5.398A) 5.150 5.368 5.372A 5.399 5.401 5.402	FIXED MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH) (5.351A) 5.150 5.399 5.402	IMT-2000 satellite component			
		ISM			
		LP-AMI	ERC/REC 70-03	EN 301 559	Low Power Active Medical Implants and associated peripherals
		Land mobile			Mobile applications
		MBANS	ERC/REC 70-03	EN 303 203	
		MSS Earth stations	ECC/DEC/(09)02 ECC/DEC/(12)01	EN 301 441	
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links
2500 MHz - 2520 MHz					
FIXED (5.410) MOBILE EXCEPT AERONAUTICAL MOBILE (5.384A 5.409A) 5.412	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.384A)	MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(05)05 ECC/DEC/(22)01 ECC/DEC/(22)07 ECC/REC/(11)05	EN 301 908	2500-2570 MHz, Aerial UE are permitted – See ECC Decision (22)07

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
2520 MHz - 2655 MHz					
BROADCASTING-SATELLITE (5.413 5.416) FIXED (5.410) MOBILE EXCEPT AERONAUTICAL MOBILE (5.384A 5.409A) 5.339 5.412 5.418B 5.418C	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.384A ECA38) 5.339 5.418B 5.418C ECA16	MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(05)05 ECC/DEC/(22)01 ECC/DEC/(22)07 ECC/REC/(11)05	EN 301 908	2500-2570 MHz, Aerial UE are permitted – See ECC Decision (22)07
2655 MHz - 2670 MHz					
BROADCASTING-SATELLITE (5.208B 5.413 5.416) FIXED (5.410) MOBILE EXCEPT AERONAUTICAL MOBILE (5.384A 5.409A) Earth exploration-satellite (passive) Radio astronomy Space research (passive) 5.149 5.412	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.384A) Earth exploration-satellite (passive) Radio astronomy Space research (passive) 5.149 5.208B ECA16	MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(05)05 ECC/DEC/(22)01 ECC/REC/(11)05	EN 301 908	
		Radio astronomy			Continuum observations, VLBI
2670 MHz - 2690 MHz					
FIXED (5.410) MOBILE EXCEPT AERONAUTICAL MOBILE (5.384A 5.409A) Earth exploration-satellite (passive) Radio astronomy Space research (passive) 5.149 5.412	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.384A) Radio astronomy 5.149	MCV	ECC/DEC/(08)08		
		MFCN	ECC/DEC/(05)05 ECC/DEC/(22)01 ECC/REC/(11)05	EN 301 908	
		Radio astronomy			Continuum observations, VLBI
2690 MHz - 2700 MHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.422	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			
		Radio astronomy			Continuum observations, VLBI

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
2700 MHz - 2900 MHz					
AERONAUTICAL RADIONAVIGATION (5.337) Radiolocation 5.423	AERONAUTICAL RADIONAVIGATION (5.337) Radiolocation 5.423 ECA36	Aeronautical navigation	ECC/REC/(02)09		Radar and navigation systems
		Radiolocation (civil)			
		Radiolocation (military)			
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links
		Weather radar		EN 303 347	
2900 MHz - 3100 MHz					
RADIOLOCATION (5.424A) RADIONAVIGATION (5.426) 5.425 5.427	RADIOLOCATION (5.424A) RADIONAVIGATION (5.426) 5.425 5.427 ECA36	Radiolocation (civil)		EN 302 248 EN 302 752	Radar and navigation systems
		Radiolocation (military)			
3100 MHz - 3300 MHz					
RADIOLOCATION Earth exploration-satellite (active) Space research (active) 5.149 5.428	RADIOLOCATION Earth exploration-satellite (active) Space research (active) 5.149 ECA36	Active sensors (satellite)			
		Radio astronomy			Spectral line observations (e.g. methine line)
		Radiolocation (civil)			Radars
		Radiolocation (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/REC/(11)09 ECC/REC/(11)10 ERC/REC 70-03	EN 302 065	Generic UWB. Location Tracking Type 2 (LT2). Location Application for Emergency Services (LAES)

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
3300 MHz - 3400 MHz					
RADIOLOCATION 5.149 5.429 5.429A 5.429B 5.430	RADIOLOCATION 5.149 ECA36	Radio astronomy			Spectral line observations (e.g. methine line)
		Radiolocation (civil)			Upper limit for airborne radars 3410 MHz
		Radiolocation (military)			Upper limit for airborne radars is 3410 MHz
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/REC/(11)09 ECC/REC/(11)10 ERC/REC 70-03	EN 302 065	Generic UWB. Location Tracking Type 2 (LT2). Location Application for Emergency Services (LAES)
3400 MHz - 3600 MHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE EXCEPT AERONAUTICAL MOBILE (5.430A) Radiolocation 5.431	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE EXCEPT AERONAUTICAL MOBILE (5.430A ECA38) Amateur Radiolocation ECA36	Amateur		EN 301 783	Within the band 3400-3410 MHz
		MFCN	ECC/DEC/(11)06 ECC/DEC/(22)01 ECC/REC/(15)01 ECC/REC/(20)03 ECC/REC/(21)02	EN 301 908	
		Radiolocation (civil)			Upper limit for airborne radars is 3410 MHz
		Radiolocation (military)			Upper limit for airborne radars is 3410 MHz
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/REC/(11)09 ECC/REC/(11)10 ERC/REC 70-03	EN 302 065	Generic UWB. Location Tracking Type 2 (LT2). Location Application for Emergency Services (LAES)

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
3600 MHz - 3800 MHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE EXCEPT AERONAUTICAL MOBILE (5.433B 5.434A 5.434B) 5.435A	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE (5.434A 5.434B ECA38)	ESV	ECC/DEC/(05)09	EN 301 447	Within the band 3700-3800 MHz
		Fixed	ERC/REC 12-08	EN 302 217	Medium/high capacity fixed
		MFCN	ECC/DEC/(11)06 ECC/DEC/(22)01 ECC/REC/(15)01 ECC/REC/(20)03 ECC/REC/(21)02	EN 301 908	
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/REC/(11)09 ECC/REC/(11)10 ERC/REC 70-03	EN 302 065	Generic UWB. Location Tracking Type 2 (LT2). Location Application for Emergency Services (LAES)
		VSAT		EN 301 443	Within the band 3700-3800 MHz
3800 MHz - 4200 MHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) Mobile	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) Mobile	ESV	ECC/DEC/(05)09	EN 301 447	
		Fixed	ERC/REC 12-08	EN 302 217	Medium/high capacity fixed
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/REC/(11)09 ECC/REC/(11)10 ERC/REC 70-03	EN 302 065	Generic UWB. Location Tracking Type 2 (LT2). Location Application for Emergency Services (LAES)
		VSAT		EN 301 443	
		WBB LMP	ECC/DEC/(24)01 ECC/REC/(25)03 ECC/REC/(26)02		

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
4200 MHz - 4400 MHz					
AERONAUTICAL MOBILE (R) (5.436) AERONAUTICAL RADIONAVIGATION (5.438) 5.437 5.439 5.440	AERONAUTICAL MOBILE (R) (5.436) AERONAUTICAL RADIONAVIGATION (5.438) 5.437 5.440 ECA36	Aeronautical military systems			
		Altimeters			
		Passive sensors (satellite)			For sea surface temperature measurements
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/REC/(11)09 ECC/REC/(11)10 ERC/REC 70-03	EN 302 065	Generic UWB. Location Tracking Type 2 (LT2). Location Application for Emergency Services (LAES)
		WAIC			Wireless Avionics Intra-Communications
4400 MHz - 4500 MHz					
FIXED MOBILE	FIXED MOBILE ECA20 ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		Telemetry/Telecommand (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/REC/(11)09 ECC/REC/(11)10 ERC/REC 70-03	EN 302 065	Generic UWB. Location Tracking Type 2 (LT2). Location Application for Emergency Services (LAES)

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
4500 MHz - 4800 MHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.441) MOBILE	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.441) MOBILE ECA20 ECA36	Aeronautical military systems			
		FSS Earth stations			FSS not to be implemented in NATO Europe. Fixed-Satellite frequency plan in 4500-4800 MHz
		Land military systems			
		Maritime military systems			
		TLPR	ERC/REC 70-03	EN 302 372	
		Telemetry/Telecommand (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/REC/(11)09 ECC/REC/(11)10 ERC/REC 70-03	EN 302 065	Generic UWB. Location Tracking Type 2 (LT2). Location Application for Emergency Services (LAES)
4800 MHz - 4990 MHz					
FIXED MOBILE (5.442 5.440A 5.441A 5.441B) Radio astronomy 5.149 5.339 5.443	FIXED MOBILE (5.440A 5.441A 5.441B 5.442) Radio astronomy 5.149 5.339 ECA20 ECA36	Aeronautical military systems			
		BBDR	ECC/REC/(08)04	EN 302 625	Within the band 4940-4990 MHz. Optimal band for BBDR within the PPDR uses
		Land military systems			
		Maritime military systems			
		Passive sensors (satellite)			Space Research and EESS (passive) above 4950 MHz in some countries
		Radio astronomy			Continuum and spectral line observations, (e.g. formaldehyde line), VLBI
		TLPR	ERC/REC 70-03	EN 302 372	
		Telemetry/Telecommand (military)			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
4990 MHz - 5000 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE RADIO ASTRONOMY Space research (passive) 5.149	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE RADIO ASTRONOMY 5.149 ECA20 ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		Radio astronomy			Continuum observations, VLBI
		TLPR	ERC/REC 70-03	EN 302 372	
		Telemetry/Telecommand (military)			
5000 MHz - 5010 MHz					
AERONAUTICAL MOBILE-SATELLITE (R) (5.443AA) AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (EARTH-TO-SPACE)	AERONAUTICAL MOBILE-SATELLITE (R) (5.443AA) AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (EARTH-TO-SPACE) Radio astronomy Space research (passive)	GALILEO			For future use by Galileo
		Radio astronomy			Continuum observation, VLBI
		Satellite navigation systems			Aeronautical Radionavigation and FSS envisaged in some countries
		TLPR	ERC/REC 70-03	EN 302 372	
5010 MHz - 5030 MHz					
AERONAUTICAL MOBILE-SATELLITE (R) (5.443AA) AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (SPACE-TO-EARTH) (SPACE-TO-SPACE) (5.328B 5.443B)	AERONAUTICAL MOBILE-SATELLITE (R) (5.443AA) AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (SPACE-TO-EARTH) (SPACE-TO-SPACE) (5.328B 5.443B) Radio astronomy Space research (passive)	GALILEO			
		Radio astronomy			Continuum observation, VLBI
		Satellite navigation systems			Aeronautical Radionavigation and FSS envisaged in some countries
		TLPR	ERC/REC 70-03	EN 302 372	
5030 MHz - 5091 MHz					
AERONAUTICAL MOBILE (R) (5.443C) AERONAUTICAL MOBILE-SATELLITE (R) (5.443D) AERONAUTICAL RADIONAVIGATION 5.444	AERONAUTICAL MOBILE (R) (5.443C) AERONAUTICAL MOBILE-SATELLITE (R) (5.443D) AERONAUTICAL RADIONAVIGATION 5.444	MLS			Aeronautical Radionavigation envisaged in some countries. FSS in use in some countries
		TLPR	ERC/REC 70-03	EN 302 372	

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
5091 MHz - 5150 MHz					
AERONAUTICAL MOBILE (5.444B) AERONAUTICAL MOBILE-SATELLITE (R) (5.443AA) AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (EARTH-TO-SPACE) (5.444A) 5.444	AERONAUTICAL MOBILE (5.444B) AERONAUTICAL MOBILE-SATELLITE (R) (5.443AA) AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (EARTH-TO-SPACE) (5.444A) 5.444	-			FSS in use in some countries
		TLPR	ERC/REC 70-03	EN 302 372	
5150 MHz - 5250 MHz					
AERONAUTICAL RADIONAVIGATION (5.446D) FIXED-SATELLITE (EARTH-TO-SPACE) (5.447A) MOBILE EXCEPT AERONAUTICAL MOBILE (5.446B 5.446A) 5.446 5.446C 5.447 5.447B 5.447C	AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (EARTH-TO-SPACE) (5.447A) MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.446B) 5.446 5.446C 5.447 5.447B 5.447C	Aeronautical telemetry			
		BBDR	ECC/REC/(08)04	EN 302 625	Temporary use by PPDR users
		Feeder links			Feeder links for MSS. Aeronautical Radionavigation and FSS envisaged in some countries
		RLAN	ECC/DEC/(04)08 ERC/REC 70-03	EN 301 893	WAS/RLANs within the bands 5150-5350 MHz and 5470-5725 MHz
		TLPR	ERC/REC 70-03	EN 302 372	
5250 MHz - 5255 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.447F) RADIOLOCATION SPACE RESEARCH (5.447D) 5.447E 5.448 5.448A	EARTH EXPLORATION-SATELLITE (ACTIVE) MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.447F) RADIOLOCATION SPACE RESEARCH (5.447D) 5.448A ECA22 ECA36	-			Position fixing
		Active sensors (satellite)			
		Maritime radar			Shipborne and VTS radar
		RLAN	ECC/DEC/(04)08 ERC/REC 70-03	EN 301 893	WAS/RLANs within the bands 5150-5350 MHz and 5470-5725 MHz
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		Weather radar		EN 303 347	Ground based and airborne

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
5255 MHz - 5350 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.447F) RADIOLOCATION SPACE RESEARCH (ACTIVE) 5.447E 5.448 5.448A	EARTH EXPLORATION-SATELLITE (ACTIVE) MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.447F) RADIOLOCATION SPACE RESEARCH (ACTIVE) 5.448A ECA22 ECA36	-			Position fixing
		Active sensors (satellite)			
		Maritime radar			Shipborne and VTS radar
		RLAN	ECC/DEC/(04)08 ERC/REC 70-03	EN 301 893	WAS/RLANs within the bands 5150-5350 MHz and 5470-5725 MHz
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		Weather radar		EN 303 347	Ground based and airborne
5350 MHz - 5460 MHz					
AERONAUTICAL RADIONAVIGATION (5.449) EARTH EXPLORATION-SATELLITE (ACTIVE) (5.448B) RADIOLOCATION (5.448D) SPACE RESEARCH (ACTIVE) (5.448C)	AERONAUTICAL RADIONAVIGATION (5.449) EARTH EXPLORATION-SATELLITE (ACTIVE) (5.448B) RADIOLOCATION (5.448D) SPACE RESEARCH (ACTIVE) (5.448C) ECA22 ECA36	-			Position fixing
		Active sensors (satellite)			
		Maritime radar			Shipborne and VTS radar
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		Weather radar		EN 303 347	Ground based and airborne
5460 MHz - 5470 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION (5.448D) RADIONAVIGATION (5.449) SPACE RESEARCH (ACTIVE) 5.448B	EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION (5.448D) RADIONAVIGATION (5.449) SPACE RESEARCH (ACTIVE) 5.448B ECA22 ECA36	-			Position fixing
		Active sensors (satellite)			
		Maritime radar			Shipborne and VTS radar
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		Weather radar		EN 303 347	Ground based and airborne

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
5470 MHz - 5570 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) MARITIME RADIONAVIGATION MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.450A) RADIOLOCATION (5.450B) SPACE RESEARCH (ACTIVE) 5.448B 5.450 5.451	EARTH EXPLORATION-SATELLITE (ACTIVE) MARITIME RADIONAVIGATION MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.450A) RADIOLOCATION (5.450B) SPACE RESEARCH (ACTIVE) 5.448B ECA22 ECA36	-			Position fixing
		Active sensors (satellite)			
		Maritime radar			Shipborne and VTS radar
		RLAN	ECC/DEC/(04)08 ERC/REC 70-03	EN 301 893	WAS/RLANs within the bands 5150-5350 MHz and 5470-5725 MHz
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		Weather radar		EN 303 347	Ground based and airborne
5570 MHz - 5650 MHz					
MARITIME RADIONAVIGATION MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.450A) RADIOLOCATION (5.450B) 5.450 5.451 5.452	MARITIME RADIONAVIGATION MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.450A) RADIOLOCATION (5.450B) 5.452 ECA22 ECA36	-			Position fixing
		Maritime radar			Shipborne and VTS radar
		RLAN	ECC/DEC/(04)08 ERC/REC 70-03	EN 301 893	WAS/RLANs within the bands 5150-5350 MHz and 5470-5725 MHz
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		Weather radar		EN 303 347	Ground based
5650 MHz - 5725 MHz					
MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.450A) RADIOLOCATION Amateur Space research (deep space) 5.282 5.451 5.453 5.454 5.455	MOBILE EXCEPT AERONAUTICAL MOBILE (5.446A 5.450A) RADIOLOCATION Amateur Amateur-satellite (Earth-to-space) 5.282 ECA22 ECA23 ECA36	-			Position fixing
		Amateur		EN 301 783	Within the band 5650-5850 MHz
		Amateur-satellite			Within the band 5650-5670 MHz
		Maritime radar			Shipborne and VTS radar
		RLAN	ECC/DEC/(04)08 ERC/REC 70-03	EN 301 893	WAS/RLANs within the bands 5150-5350 MHz and 5470-5725 MHz
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		Weather radar		EN 303 347	Ground based and airborne

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
5725 MHz - 5830 MHz					
FIXED-SATELLITE (EARTH-TO-SPACE) RADIOLOCATION Amateur 5.150 5.451 5.453 5.455	FIXED-SATELLITE (EARTH-TO-SPACE) RADIOLOCATION Amateur Fixed Mobile 5.150 ECA17 ECA22 ECA36	Amateur		EN 301 783	Within the band 5650-5850 MHz
		BFWA	ECC/REC/(06)04	EN 302 502	Within the band 5725-5875 MHz
		ISM			Within the band 5725-5875 MHz
		Non-specific SRDs	ERC/REC 70-03	EN 300 440	Within the band 5725-5875 MHz
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		TTT	ERC/REC 70-03	EN 300 674	Within the band 5795-5805 MHz. TTT in the band 5805-5815 MHz on a national basis
		WIA	ERC/REC 70-03	EN 303 258	Within the band 5725-5875 MHz
		Weather radar		EN 303 347	Ground based and airborne
5830 MHz - 5850 MHz					
FIXED-SATELLITE (EARTH-TO-SPACE) RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) 5.150 5.451 5.453 5.455	FIXED-SATELLITE (EARTH-TO-SPACE) RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) Fixed Mobile 5.150 ECA22 ECA23 ECA36	-			Within the band 5725-5875 MHz
		Amateur		EN 301 783	Within the band 5650-5850 MHz
		Amateur-satellite			Within the band 5830-5850 MHz
		BFWA			Within the band 5725-5875 MHz
		ISM			Within the band 5725-5875 MHz
		Non-specific SRDs	ERC/REC 70-03	EN 300 440	Within the band 5725-5875 MHz
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		WIA	ERC/REC 70-03	EN 303 258	Within the band 5725-5875 MHz
		Weather radar		EN 303 347	Ground based and airborne

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
5850 MHz - 5925 MHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE 5.150	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE 5.150	BFWA	ECC/REC/(06)04	EN 302 502	Within the band 5725-5875 MHz
		ISM			Within the band 5725-5875 MHz
		ITS	ECC/DEC/(08)01 ECC/REC/(08)01 ERC/REC 70-03	EN 302 571	Safety related applications within the band 5875-5935 MHz. Non-Safety applications within the band 5855-5875 MHz.
		MBR	ECC/REC/(17)03	EN 303 276	Within 5852-5872 MHz and 5880-5900 MHz
		Non-specific SRDs	ERC/REC 70-03	EN 300 440	Within the band 5725-5875 MHz
		TLPR	ERC/REC 70-03	EN 302 372	
		VSAT		EN 301 443	
		WIA	ERC/REC 70-03	EN 303 258	Within the band 5725-5875 MHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
5925 MHz - 6700 MHz					
FIXED (5.457) FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A 5.457B) MOBILE (5.457C 5.457E) 5.149 5.440 5.458	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A) MOBILE (5.457E) Earth exploration-satellite (passive) 5.149 5.440 5.458	-			
		ESV	ECC/DEC/(05)09	EN 301 447	Within the band 5925-6425 MHz
		FSS Earth stations			
		Fixed	ECC/REC/(14)06 ERC/REC 14-01 ERC/REC 14-02	EN 302 217	Point-to-point
		ITS	ECC/DEC/(08)01 ERC/REC 70-03		Urban rail systems only 5925–5935 MHz. Safety related applications within the band 5875-5935 MHz.
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Passive sensors (satellite)			For sea surface temperature, sea surface wind speed and soil moisture measurements
		RLAN	ECC/DEC/(20)01	EN 303 687	Within the band 5945-6425 MHz
		Radio astronomy			Spectral line observations (e.g. methanol line), VLBI.
		TLPR	ERC/REC 70-03	EN 302 372	
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB as well as UWB on-board aircraft regulation within the band 6.0- 8.5 GHz
		VSAT		EN 301 443	

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
6700 MHz - 7075 MHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (SPACE-TO-EARTH) (5.441) MOBILE (5.457E) 5.458 5.458A 5.458B	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (SPACE-TO-EARTH) (5.441) MOBILE (5.457E) Earth exploration-satellite (passive) 5.458 5.458A 5.458B	Feeder links			
		Fixed	ECC/REC/(14)06 ERC/REC 14-02	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Passive sensors (satellite)			For sea surface temperature, sea surface wind speed and soil moisture measurements
		TLPR	ERC/REC 70-03	EN 302 372	
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB as well as on-board aircraft regulation within the band 6.0-8.5 GHz
		VSAT		EN 301 443	
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link within 7-8.5 GHz.
7075 MHz - 7145 MHz					
FIXED MOBILE (5.457E) 5.458	FIXED MOBILE (5.457E) Earth exploration-satellite (passive) 5.458	Fixed	ECC/REC/(02)06 ECC/REC/(14)06 ERC/REC 14-02	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Passive sensors (satellite)			For sea surface temperature, sea surface wind speed and soil moisture measurements
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB as well as on-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
7145 MHz - 7190 MHz					
FIXED MOBILE SPACE RESEARCH (DEEP SPACE) (EARTH-TO-SPACE) 5.458	FIXED MOBILE SPACE RESEARCH (DEEP SPACE) (EARTH-TO-SPACE) Space Operation (Earth-to-space) 5.458	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB. On-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.
7190 MHz - 7235 MHz					
EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) (5.460A 5.460B) FIXED MOBILE SPACE RESEARCH (EARTH-TO-SPACE) (5.460) 5.458	EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) (5.460A 5.460B) FIXED MOBILE SPACE RESEARCH (EARTH-TO-SPACE) (5.460) 5.458	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Passive sensors (satellite)			For sea surface temperature, sea surface wind speed and soil moisture measurements
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB. On-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
7235 MHz - 7250 MHz					
EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) (5.460A) FIXED MOBILE 5.458	EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) (5.460A) FIXED Space research (Earth-to-space) 5.458	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Passive sensors (satellite)			For sea surface temperature, sea surface wind speed and soil moisture measurements
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB as well as on-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.
7250 MHz - 7300 MHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE 5.461	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE 5.461 ECA36	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point. FIXED and MOBILE services not to be implemented in most NATO countries
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		MSS Earth stations			Mobile satellite applications within the band 7250-7375 MHz
		Satellite systems (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB as well as on-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
7300 MHz - 7375 MHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE EXCEPT AERONAUTICAL MOBILE 5.461	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE EXCEPT AERONAUTICAL MOBILE 5.461 ECA36	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		MSS Earth stations			Mobile satellite applications within the band 7250-7375 MHz
		Maritime military systems			
		Satellite systems (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB. On-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.
7375 MHz - 7450 MHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MARITIME MOBILE-SATELLITE (SPACE-TO-EARTH) (5.461AA 5.461AB) MOBILE EXCEPT AERONAUTICAL MOBILE 5.461AC	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MARITIME MOBILE-SATELLITE (SPACE-TO-EARTH) (5.461AA 5.461AB) MOBILE EXCEPT AERONAUTICAL MOBILE 5.461AC ECA36	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		MSS Earth stations			
		Maritime military systems			
		Satellite systems (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB. On-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
7450 MHz - 7550 MHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MARITIME MOBILE-SATELLITE (SPACE-TO-EARTH) (5.461AA 5.461AB) METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE EXCEPT AERONAUTICAL MOBILE 5.461A 5.461AC	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MARITIME MOBILE-SATELLITE (SPACE-TO-EARTH) (5.461AA 5.461AB) METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) MOBILE EXCEPT AERONAUTICAL MOBILE 5.461A 5.461AC ECA36	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		Maritime military systems			
		Satellite systems (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB as well as on-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.
		Weather satellites			Limited to geostationary systems
7550 MHz - 7750 MHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MARITIME MOBILE-SATELLITE (SPACE-TO-EARTH) (5.461AA 5.461AB) MOBILE EXCEPT AERONAUTICAL MOBILE 5.461AC	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MARITIME MOBILE-SATELLITE (SPACE-TO-EARTH) (5.461AA 5.461AB) MOBILE EXCEPT AERONAUTICAL MOBILE 5.461AC ECA36	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		Maritime military systems			
		Satellite systems (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB. On-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
7750 MHz - 7900 MHz					
FIXED METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) (5.461B) MOBILE EXCEPT AERONAUTICAL MOBILE	FIXED METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) (5.461B) MOBILE EXCEPT AERONAUTICAL MOBILE	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB as well as on-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.
		Weather satellites			Limited to non-geostationary systems
7900 MHz - 8025 MHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE 5.461	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE 5.461 ECA36	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		MSS Earth stations			Mobile satellite applications
		Satellite systems (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB. On-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
8025 MHz - 8175 MHz					
EARTH EXPLORATION-SATELLITE (SPACE-TO-EARTH) FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE (5.463) 5.462A	EARTH EXPLORATION-SATELLITE (SPACE-TO-EARTH) FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE (5.463) 5.462A ECA36	Earth exploration-satellite			Satellite payload telemetry
		Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		Land mobile			Mobile applications within the band 8025-8200 MHz
		Satellite systems (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB as well as on-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.
8175 MHz - 8215 MHz					
EARTH EXPLORATION-SATELLITE (SPACE-TO-EARTH) FIXED FIXED-SATELLITE (EARTH-TO-SPACE) METEOROLOGICAL-SATELLITE (EARTH-TO-SPACE) MOBILE (5.463) 5.462A	EARTH EXPLORATION-SATELLITE (SPACE-TO-EARTH) FIXED FIXED-SATELLITE (EARTH-TO-SPACE) METEOROLOGICAL-SATELLITE (EARTH-TO-SPACE) MOBILE (5.463) 5.462A ECA36	Earth exploration-satellite			Satellite payload telemetry
		Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		Land mobile			Mobile applications within the band 8025-8200 MHz
		Satellite systems (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB. On-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
8215 MHz - 8400 MHz					
EARTH EXPLORATION-SATELLITE (SPACE-TO-EARTH) FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE (5.463) 5.462A	EARTH EXPLORATION-SATELLITE (SPACE-TO-EARTH) FIXED FIXED-SATELLITE (EARTH-TO-SPACE) 5.462A 5.463	Earth exploration-satellite			Satellite payload telemetry
		Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		Radio astronomy			Continuum observations, VLBI (used by SRS)
		Satellite systems (military)			
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB as well as on-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.
8400 MHz - 8500 MHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE SPACE RESEARCH (SPACE-TO-EARTH) (5.465 5.466)	FIXED SPACE RESEARCH (SPACE-TO-EARTH) (5.465) Radiolocation	Fixed	ECC/REC/(02)06	EN 302 217	Point-to-point
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Space research			Satellite payload telemetry. The band 8400-8450 MHz is limited to deep space applications. Continuum observations, VLBI (used by SRS)
		UWB applications	ECC/DEC/(06)04 ECC/DEC/(07)01 ECC/DEC/(12)03 ERC/REC 70-03	EN 302 065	Generic UWB as well as on-board aircraft regulation within the band 6.0-8.5 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Mobile video links; Temporary point-to-point video link.

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
8500 MHz - 8550 MHz					
RADIOLOCATION 5.468 5.469	RADIOLOCATION 5.469 ECA24 ECA36	Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. airfield approach
		Radiolocation (civil)		EN 303 135	Shipborne, land and airborne surveillance
		Radiolocation (military)			Shipborne, land and airborne surveillance
		TLPR	ERC/REC 70-03	EN 302 372	
		UWB applications	ECC/DEC/(06)04 ERC/REC 70-03	EN 302 065	Generic UWB
8550 MHz - 8650 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION SPACE RESEARCH (ACTIVE) 5.468 5.469 5.469A	EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION SPACE RESEARCH (ACTIVE) 5.469 5.469A ECA24 ECA36	Active sensors (satellite)			
		Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. airfield approach
		Radiolocation (civil)		EN 303 135	Shipborne, land and airborne surveillance
		Radiolocation (military)			Shipborne, land and airborne surveillance
		TLPR	ERC/REC 70-03	EN 302 372	
		UWB applications	ECC/DEC/(06)04 ERC/REC 70-03	EN 302 065	Generic UWB
8650 MHz - 8750 MHz					
RADIOLOCATION 5.468 5.469	RADIOLOCATION 5.469 ECA24 ECA36	Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. airfield approach
		Radiolocation (civil)		EN 303 135	Shipborne, land and airborne surveillance
		Radiolocation (military)			Shipborne, land and airborne surveillance
		TLPR	ERC/REC 70-03	EN 302 372	
		UWB applications	ECC/DEC/(06)04 ERC/REC 70-03	EN 302 065	Generic UWB

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
8750 MHz - 8850 MHz					
AERONAUTICAL RADIONAVIGATION (5.470) RADIOLOCATION 5.471	AERONAUTICAL RADIONAVIGATION (5.470) RADIOLOCATION Space research 5.471 ECA24 ECA36	Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. airfield approach
		Radiolocation (civil)		EN 303 135	Shipborne, land and airborne surveillance
		Radiolocation (military)			Shipborne, land and airborne surveillance
		TLPR	ERC/REC 70-03	EN 302 372	
		UWB applications	ECC/DEC/(06)04 ERC/REC 70-03	EN 302 065	Generic UWB
8850 MHz - 9000 MHz					
MARITIME RADIONAVIGATION (5.472) RADIOLOCATION 5.473	MARITIME RADIONAVIGATION (5.472) RADIOLOCATION Space research 5.473 ECA24 ECA36	Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. airfield approach
		Radiolocation (civil)		EN 303 135	Shipborne, land and airborne surveillance
		Radiolocation (military)			Shipborne, land and airborne surveillance
		TLPR	ERC/REC 70-03	EN 302 372	
		UWB applications	ECC/DEC/(06)04 ERC/REC 70-03	EN 302 065	Generic UWB
9000 MHz - 9200 MHz					
AERONAUTICAL RADIONAVIGATION (5.337) Radiolocation 5.471 5.473A	AERONAUTICAL RADIONAVIGATION (5.337) RADIOLOCATION Space research 5.471 5.473A ECA24 ECA36	Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. airfield approach
		Radiolocation (civil)		EN 303 135 EN 303 213	Shipborne, land and airborne surveillance. EN 303 213-1 X-band sensors
		Radiolocation (military)			Shipborne, land and airborne surveillance
		TLPR	ERC/REC 70-03	EN 302 372	

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
9200 MHz - 9300 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) (5.474A 5.474B 5.474C) MARITIME RADIONAVIGATION (5.472) RADIOLOCATION 5.473 5.474 5.474D	EARTH EXPLORATION-SATELLITE (ACTIVE) (5.474A 5.474B 5.474C) MARITIME RADIONAVIGATION (5.472) RADIOLOCATION Space research 5.473 5.474 5.474D ECA24 ECA36	Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. airfield approach
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 9200-9975 MHz;
		Radiolocation (civil)		EN 303 135	Shipborne, land and airborne surveillance
		Radiolocation (military)			Shipborne, land and airborne surveillance
		Synthetic aperture radar			
		TLPR	ERC/REC 70-03	EN 302 372	
9300 MHz - 9500 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION RADIONAVIGATION (5.475) SPACE RESEARCH (ACTIVE) 5.427 5.474 5.475 5.475A 5.475B 5.476A	EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION RADIONAVIGATION (5.475) SPACE RESEARCH (ACTIVE) 5.427 5.474 5.475 5.475A 5.475B 5.476A ECA24 ECA36	Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. airfield approach
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 9200-9975 MHz;
		Radiolocation (civil)		EN 302 194 EN 302 248 EN 302 752 EN 303 135 EN 303 213	Shipborne, land and airborne surveillance EN 303 213-6-1 X-band sensors
		Radiolocation (military)			Shipborne, land and airborne surveillance
		Satellite systems (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		Weather radar		EN 303 347	Shipborne, land and airborne serveillance

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
9500 MHz - 9800 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION RADIONAVIGATION SPACE RESEARCH (ACTIVE) 5.476A	EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION SPACE RESEARCH (ACTIVE) 5.476A ECA24 ECA36	Active sensors (satellite)			
		Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. airfield approach
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 9200-9975 MHz
		Radiolocation (civil)		EN 303 135	Shipborne, land and airborne surveillance
		Radiolocation (military)			Shipborne, land and airborne surveillance
		Satellite systems (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
9800 MHz - 9900 MHz					
RADIOLOCATION Earth exploration-satellite (active) Fixed Space research (active) 5.477 5.478 5.478A 5.478B	RADIOLOCATION Earth exploration-satellite (active) Space research (active) 5.478 5.478A 5.478B ECA24 ECA36	Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. airfield approach
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 9200-9975 MHz;
		Radiolocation (civil)		EN 303 135	Shipborne, land and airborne surveillance
		Radiolocation (military)			Shipborne, land and airborne surveillance
		Satellite systems (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
9900 MHz - 10000 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) (5.474A 5.474B 5.474C) RADIOLOCATION Fixed 5.477 5.478 5.479	EARTH EXPLORATION-SATELLITE (ACTIVE) (5.474A 5.474B 5.474C) RADIOLOCATION Fixed 5.477 5.478 5.479	Aeronautical military systems			
		Aeronautical navigation		EN 303 064	Civil and military e.g. Airfield approach
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 9200-9975 MHz
		Radiolocation (civil)		EN 303 135	Shipborne, land and airborne surveillance
		Radiolocation (military)			Shipborne, land and airborne surveillance
		Satellite systems (military)			
		Synthetic aperture radar			
		TLPR	ERC/REC 70-03	EN 302 372	

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
10000 MHz - 10400 MHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) (5.474A 5.474B 5.474C) FIXED MOBILE RADIOLOCATION Amateur 5.474D 5.479	EARTH EXPLORATION-SATELLITE (ACTIVE) (5.474A 5.474B 5.474C) FIXED MOBILE RADIOLOCATION Amateur 5.474D 5.479 ECA17A ECA36	Aeronautical military systems			
		Amateur		EN 301 783	Within the band 10-10.5 GHz
		FWA		EN 302 326	Including Point-to-Multipoint
		Fixed	ERC/REC 12-05	EN 302 217	
		Land military systems			
		Maritime military systems			
		Radiolocation (civil)			
		Radiolocation (military)			
		Synthetic aperture radar			
		TLPR	ERC/REC 70-03	EN 302 372	
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Temporary point-to-point video link
10400 MHz - 10450 MHz					
FIXED MOBILE RADIOLOCATION Amateur	FIXED RADIOLOCATION Amateur Mobile ECA17 ECA17A ECA36	Aeronautical military systems			
		Amateur		EN 301 783	Within the band 10-10.5 GHz
		Land military systems			
		Maritime military systems			
		Radiolocation (civil)			Low power radars in certain subbands
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Temporary point-to-point video link

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
10450 MHz - 10.5 GHz					
RADIOLOCATION Amateur Amateur-satellite 5.481	FIXED MOBILE RADIOLOCATION Amateur Amateur-satellite 5.481 ECA17 ECA17A ECA23 ECA36	Aeronautical military systems			
		Amateur		EN 301 783	Within the band 10-10.5 GHz
		Amateur-satellite			
		Land military systems			
		Maritime military systems			
		Radiolocation (civil)			
		Radiolocation (military)			
		TLPR	ERC/REC 70-03	EN 302 372	
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Temporary point-to-point video link
10.5 GHz - 10.55 GHz					
FIXED MOBILE Radiolocation	FIXED MOBILE Radiolocation ECA17A	Fixed	ERC/REC 12-05	EN 302 217 EN 302 326	Including Point-to-Multipoint
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 10.5-10.6 GHz;
		TLPR	ERC/REC 70-03	EN 302 372	
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Temporary point-to-point video link
10.55 GHz - 10.6 GHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Radiolocation	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE Radiolocation ECA17A	Fixed	ERC/REC 12-05	EN 302 217 EN 302 326	Including Point-to-Multipoint
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 10.5-10.6 GHz,
		TLPR	ERC/REC 70-03	EN 302 372	
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Temporary point-to-point video link

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
10.6 GHz - 10.68 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) Mobile except aeronautical mobile Radiolocation 5.149 5.482 5.482A	EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) Mobile except aeronautical mobile Radiolocation 5.149 5.482 5.482A ECA17	Fixed	ECC/DEC/(10)01 ERC/REC 12-05	EN 302 217 EN 302 326	Including Point-to-Multipoint
		Passive sensors (satellite)	ECC/DEC/(10)01		Surface emissivity and precipitation measurements
		Radio astronomy			Continuum observations, VLBI
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Portable video links; Temporary point-to-point video link
10.68 GHz - 10.7 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.483	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			Surface emmissivity and precipitation measurement
		Radio astronomy			Continuum observations, VLBI
10.7 GHz - 10.95 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484) FIXED-SATELLITE (SPACE-TO-EARTH) (5.441) MOBILE EXCEPT AERONAUTICAL MOBILE	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484) FIXED-SATELLITE (SPACE-TO-EARTH) (5.441) MOBILE EXCEPT AERONAUTICAL MOBILE Mobile-Satellite (space-to-Earth)	AES	ECC/DEC/(05)11 ECC/DEC/(19)04	EN 302 186	
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		ESV	ECC/DEC/(05)10	EN 302 340	
		FSS Earth stations	ERC/DEC/(00)08	EN 301 427 EN 301 430 EN 302 448	Within the band 10.7-10.95/11.2-11.45 GHz in accordance with App 30B of RR - VSAT
		Fixed	ERC/DEC/(00)08 ERC/REC 12-06	EN 302 217	Limited to high capacity fixed links
		HEST	ECC/DEC/(06)03	EN 301 428 EN 301 459	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	
		VSAT	ECC/DEC/(03)04	EN 301 428	SNG

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
10.95 GHz - 11.2 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484) FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.484B) MOBILE EXCEPT AERONAUTICAL MOBILE	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484) FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.484B) MOBILE EXCEPT AERONAUTICAL MOBILE	AES	ECC/DEC/(05)11 ECC/DEC/(19)04	EN 302 186	
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		ESV	ECC/DEC/(05)10	EN 302 340	
		Fixed	ERC/DEC/(00)08 ERC/REC 12-06	EN 302 217	Limited to high capacity fixed links
		HEST	ECC/DEC/(06)03	EN 301 428 EN 301 459	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	
		VSAT	ECC/DEC/(03)04	EN 301 428	SNG
11.2 GHz - 11.45 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484) FIXED-SATELLITE (SPACE-TO-EARTH) (5.441) MOBILE EXCEPT AERONAUTICAL MOBILE	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484) FIXED-SATELLITE (SPACE-TO-EARTH) (5.441) MOBILE EXCEPT AERONAUTICAL MOBILE	AES	ECC/DEC/(05)11 ECC/DEC/(19)04	EN 302 186	
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		ESV	ECC/DEC/(05)10	EN 302 340	
		Fixed	ERC/DEC/(00)08 ERC/REC 12-06	EN 302 217	Limited to high capacity fixed links
		HEST	ECC/DEC/(06)03	EN 301 428 EN 301 459	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	
		VSAT	ECC/DEC/(03)04	EN 301 428	SNG

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
11.45 GHz - 11.7 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484) FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.484B) MOBILE EXCEPT AERONAUTICAL MOBILE	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484) FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.484B) MOBILE EXCEPT AERONAUTICAL MOBILE	AES	ECC/DEC/(05)11 ECC/DEC/(19)04	EN 302 186	
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		ESV	ECC/DEC/(05)10	EN 302 340	
		Fixed	ERC/DEC/(00)08 ERC/REC 12-06	EN 302 217	Limited to high capacity fixed links
		HEST	ECC/DEC/(06)03	EN 301 428 EN 301 459	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	
		VSAT	ECC/DEC/(03)04	EN 301 428	SNG
11.7 GHz - 12.5 GHz					
BROADCASTING BROADCASTING-SATELLITE (5.492) FIXED Mobile except aeronautical mobile 5.487 5.487A	BROADCASTING-SATELLITE (5.492) MOBILE EXCEPT AERONAUTICAL MOBILE 5.487 5.487A ECA28	AES	ECC/DEC/(19)04	EN 302 186	
		Broadcasting (satellite)	ERC/DEC/(00)08	EN 302 340 EN 302 448	In accordance with App 30 of RR. SIT within the band 12.4 - 12.5 GHz
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		HEST	ECC/DEC/(06)03	EN 301 428 EN 301 459	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
12.5 GHz - 12.75 GHz					
FIXED-SATELLITE (EARTH-TO-SPACE) FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.484B) 5.494 5.495 5.496	FIXED-SATELLITE (EARTH-TO-SPACE) FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.484B) 5.496	AES	ECC/DEC/(05)11 ECC/DEC/(19)04	EN 302 186	
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		ESV	ECC/DEC/(05)10	EN 302 340	
		HEST	ECC/DEC/(06)03	EN 301 428 EN 301 459	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	
12.75 GHz - 13.25 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.441 5.496A) MOBILE Space research (deep space) (space-to-Earth)	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.441 5.496A)	AES	ECC/DEC/(19)04	EN 302 186	
		FSS Earth stations		EN 301 430	
		Fixed	ERC/REC 12-02	EN 302 217	
13.25 GHz - 13.4 GHz					
AERONAUTICAL RADIONAVIGATION (5.497) EARTH EXPLORATION-SATELLITE (ACTIVE) SPACE RESEARCH (ACTIVE) 5.498A 5.499	AERONAUTICAL RADIONAVIGATION (5.497) EARTH EXPLORATION-SATELLITE (ACTIVE) SPACE RESEARCH (ACTIVE) 5.498A ECA26	Active sensors (satellite)			Altimeters, scatterometers, precipitation radars
		Airborne doppler navigation aids			
		Maritime radar			Ship berthing radars

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
13.4 GHz - 13.65 GHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) FIXED-SATELLITE (SPACE-TO-EARTH) (5.499A 5.499B) RADIOLOCATION SPACE RESEARCH (5.499C 5.499D) Standard frequency and time signal-satellite (Earth-to-space) 5.499E 5.500 5.501 5.501B	EARTH EXPLORATION-SATELLITE (ACTIVE) FIXED-SATELLITE (SPACE-TO-EARTH) (5.499A 5.499B) RADIOLOCATION SPACE RESEARCH (5.499C 5.499D) 5.501B ECA26 ECA36	-			Data relay satellites
		Active sensors (satellite)			Altimeters, scatterometers, precipitation radars
		Airborne doppler navigation aids			
		FSS Earth stations			
		Maritime radar			Ship berthing radars
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 13.4-14.0 GHz
		Radiolocation (military)			
13.65 GHz - 13.75 GHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION SPACE RESEARCH (5.501A) Standard frequency and time signal-satellite (Earth-to-space) 5.499 5.500 5.501 5.501B	EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION SPACE RESEARCH (5.501A) 5.501B ECA26 ECA36	-			Data relay satellites
		Active sensors (satellite)			Altimeters, scatterometers, precipitation radars
		Airborne doppler navigation aids			
		Maritime radar			Ship berthing radars
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 13.4-14.0 GHz
		Radiolocation (military)			
13.75 GHz - 14 GHz					
FIXED-SATELLITE (EARTH-TO-SPACE) (5.484A) RADIOLOCATION Earth exploration-satellite Space research Standard frequency and time signal-satellite (Earth-to-space) 5.499 5.500 5.501 5.502 5.503	FIXED-SATELLITE (EARTH-TO-SPACE) (5.484A) RADIOLOCATION Space research 5.502 5.503 ECA26 ECA36	-			Data relay satellites
		FSS Earth stations		EN 301 430	minimum antenna size imposed according to 5.502
		Maritime radar			Navigation radars, ship berthing radars
		Passive sensors (satellite)			Future VLBI measurements
		Radiodetermination applications	ERC/REC 70-03	EN 300 440	Within the band 13.4-14.0 GHz
		Radiolocation (military)			

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
14 GHz - 14.25 GHz					
FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A 5.457B 5.484A 5.506 5.506B 5.484B) RADIONAVIGATION (5.504) Mobile-Satellite (Earth-to-space) (5.504B 5.504C 5.506A) Space research 5.504A 5.505	FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A 5.457B 5.484A 5.484B 5.506 5.506B) Mobile-Satellite (Earth-to-space) (5.504B 5.504C 5.506A) Space research 5.504	AES	ECC/DEC/(05)11	EN 302 186	
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		ESV	ECC/DEC/(05)10	EN 302 340	
		HEST	ECC/DEC/(06)03	EN 301 428 EN 301 459	
		MSS Earth stations		EN 301 427 EN 302 977	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	
		VSAT	ECC/DEC/(03)04 ERC/REC 13-03	EN 301 428 EN 301 430	Low density carriers, including VSATs and digital SNG, are encouraged to use this band
14.25 GHz - 14.3 GHz					
FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A 5.457B 5.484A 5.484B 5.506 5.506B) RADIONAVIGATION (5.504) Mobile-Satellite (Earth-to-space) (5.504B 5.506A 5.508A) Space research 5.504A 5.505 5.508	FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A 5.457B 5.484A 5.484B 5.506 5.506B) Mobile-Satellite (Earth-to-space) (5.504B 5.506A 5.508A) Space research 5.504	AES	ECC/DEC/(05)11	EN 302 186	
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		ESV	ECC/DEC/(05)10	EN 302 340	
		MSS Earth stations		EN 301 427 EN 302 977	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	
		VSAT	ECC/DEC/(03)04 ERC/REC 13-03	EN 301 428 EN 301 430	SNG

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
14.3 GHz - 14.4 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.506 5.457A 5.506B 5.484A 5.457B 5.484B) MOBILE EXCEPT AERONAUTICAL MOBILE Mobile-Satellite (Earth-to-space) (5.504B 5.506A 5.509A) Radionavigation-satellite 5.504A	FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A 5.457B 5.484A 5.484B 5.506 5.506B) Mobile-Satellite (Earth-to-space) (5.504B 5.506A 5.509A)	AES	ECC/DEC/(05)11	EN 302 186	
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		ESV	ECC/DEC/(05)10	EN 302 340	
		FSS Earth stations		EN 302 340	Fixed links to be coordinated with Fixed Satellite Services on a national basis
		MSS Earth stations		EN 301 427 EN 302 977	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	
		VSAT	ECC/DEC/(03)04 ERC/REC 13-03	EN 301 428 EN 301 430	SNG
14.4 GHz - 14.47 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A 5.457B 5.484A 5.506 5.506B 5.484B) MOBILE EXCEPT AERONAUTICAL MOBILE Mobile-Satellite (Earth-to-space) (5.504B 5.506A 5.509A) Space research (space-to-Earth) 5.504A	FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A 5.457B 5.484A 5.484B 5.506 5.506B) Mobile-Satellite (Earth-to-space) (5.504B 5.506A 5.509A) 5.504A	AES	ECC/DEC/(05)11	EN 302 186	
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		ESV	ECC/DEC/(05)10	EN 302 340	
		FSS Earth stations		EN 302 340	Fixed links to be coordinated with Fixed Satellite Services on a national basis
		MSS Earth stations		EN 301 427 EN 302 977	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	
		VSAT	ECC/DEC/(03)04 ERC/REC 13-03	EN 301 428 EN 301 430	SNG

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
14.47 GHz - 14.5 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A 5.457B 5.484A 5.506 5.506B) MOBILE EXCEPT AERONAUTICAL MOBILE Mobile-Satellite (Earth-to-space) (5.504B 5.506A 5.509A) Radio astronomy 5.149 5.504A	FIXED-SATELLITE (EARTH-TO-SPACE) (5.457A 5.484A 5.506) Mobile-Satellite (Earth-to-space) (5.504B 5.506A 5.509A) Radio astronomy 5.149 5.504A	AES	ECC/DEC/(05)11	EN 302 186	
		ESIM	ECC/DEC/(18)04 ECC/DEC/(18)05	EN 302 448 EN 302 977 EN 303 980 EN 303 981	
		ESV	ECC/DEC/(05)10	EN 302 340	
		FSS Earth stations		EN 302 340	Fixed links to be coordinated with Fixed Satellite Service on a national basis
		MSS Earth stations		EN 301 427 EN 302 977	
		NGSO FSS	ECC/DEC/(17)04	EN 303 980 EN 303 981	
		Radio astronomy			Spectral line observations, VLBI
		VSAT	ERC/REC 13-03	EN 301 428 EN 301 430	SNG
14.5 GHz - 14.75 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.510 5.509B 5.509C 5.509D 5.509E 5.509F) MOBILE Space research (5.509G)	FIXED MOBILE Radio astronomy ECA20 ECA36	Aeronautical military systems			
		Fixed	ERC/REC 12-07	EN 302 217	
		Land military systems			
		Maritime military systems			
		Radio astronomy			VLBI (when compatible with primary use)
14.75 GHz - 14.8 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.510) MOBILE Space research (5.509G)	FIXED MOBILE Radio astronomy ECA20 ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		Radio astronomy			VLBI (when compatible with primary use)

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
14.8 GHz - 15.35 GHz					
FIXED MOBILE SPACE RESEARCH (5.510A) 5.339	FIXED MOBILE Radio astronomy 5.339 ECA20 ECA36	Aeronautical military systems			
		Fixed	ERC/REC 12-07	EN 302 217	
		Land military systems			
		Maritime military systems			
		Radio astronomy			VLBI (when compatible with primary use)
15.35 GHz - 15.4 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.511	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			
		Radio astronomy			Continuum observations, VLBI
15.4 GHz - 15.41 GHz					
AERONAUTICAL RADIONAVIGATION RADIOLOCATION (5.511E 5.511F)	RADIOLOCATION (5.511E 5.511F) Aeronautical radionavigation	Airborne doppler navigation aids			Doppler radar low power sensing
		Radiolocation (civil)			Ground movement radars
15.41 GHz - 15.43 GHz					
AERONAUTICAL RADIONAVIGATION RADIOLOCATION (5.511F 5.511E) Aeronautical mobile (OR) (5.511G)	RADIOLOCATION (5.511E 5.511F) Aeronautical radionavigation	Airborne doppler navigation aids			Doppler radar low power sensing
		Radiolocation (civil)			Ground movement radars
15.43 GHz - 15.63 GHz					
AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (EARTH-TO-SPACE) (5.511A) RADIOLOCATION (5.511E 5.511F) Aeronautical mobile (OR) (5.511G) 5.511C	AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (EARTH-TO-SPACE) RADIOLOCATION (5.511E 5.511F) 5.511C	Airborne doppler navigation aids			Doppler radar low power sensing
		FSS Earth stations			MSS feeder links
		Radiolocation (civil)			Ground movement radars

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
15.63 GHz - 15.7 GHz					
AERONAUTICAL RADIONAVIGATION RADIOLOCATION (5.511E 5.511F) Aeronautical mobile (OR) (5.511G)	AERONAUTICAL RADIONAVIGATION RADIOLOCATION (5.511E 5.511F)	Airborne doppler navigation aids			Doppler radar low power sensing
		Radiolocation (civil)			Ground movement radars
15.7 GHz - 16.6 GHz					
RADIOLOCATION 5.512 5.513	RADIOLOCATION ECA36	Radiolocation (military)			
16.6 GHz - 17.1 GHz					
RADIOLOCATION Space research (deep space) (Earth-to-space) 5.512 5.513	RADIOLOCATION Space research (deep space) (Earth-to-space) ECA36	Radiolocation (military)			
17.1 GHz - 17.2 GHz					
RADIOLOCATION 5.512 5.513	RADIOLOCATION Mobile ECA36	GBSAR	ERC/REC 70-03	EN 303 661	
		Radiolocation (military)			
17.2 GHz - 17.3 GHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION SPACE RESEARCH (ACTIVE) 5.512 5.513 5.513A	EARTH EXPLORATION-SATELLITE (ACTIVE) MOBILE RADIOLOCATION SPACE RESEARCH (ACTIVE) 5.513A ECA36	GBSAR	ERC/REC 70-03	EN 303 661	
		Radiolocation (military)			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
17.3 GHz - 17.7 GHz					
FIXED-SATELLITE (EARTH-TO-SPACE) (5.516) FIXED-SATELLITE (SPACE-TO-EARTH) (5.516A 5.516B) Radiolocation 5.514	FIXED-SATELLITE (EARTH-TO-SPACE) (5.516) FIXED-SATELLITE (SPACE-TO-EARTH) (5.516A 5.516B) Radiolocation ECA36	FSS Earth stations	ECC/DEC/(05)08		High Density FSS
		Feeder links			Feeder links for the BSS service. Appendix 30A of RR
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	
		Radiolocation (military)			
17.7 GHz - 18.1 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.516) FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.517A 5.517B) MOBILE	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.516 5.517A 5.517B) FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A)	FSS Earth stations	ERC/DEC/(00)07		
		Feeder links			Feeder links for the BSS service. Appendix 30A of RR
		Fixed	ERC/DEC/(00)07 ERC/REC 12-03	EN 302 217	
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	
18.1 GHz - 18.4 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.520) FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.517A 5.517B 5.516B) INTER-SATELLITE (5.521A) MOBILE 5.519 5.521	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.520) FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.517A 5.517B) INTER-SATELLITE (5.521A) METEOROLOGICAL-SATELLITE (SPACE-TO-EARTH) 5.519	FSS Earth stations	ERC/DEC/(00)07		
		Feeder links			Feeder links for the BSS service
		Fixed	ERC/DEC/(00)07 ERC/REC 12-03	EN 302 217	
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	
18.4 GHz - 18.6 GHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.517A 5.517B 5.516B) INTER-SATELLITE (5.521A) MOBILE	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.517A 5.517B) INTER-SATELLITE (5.521A)	FSS Earth stations	ERC/DEC/(00)07		
		Fixed	ERC/DEC/(00)07 ERC/REC 12-03	EN 302 217	
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
18.6 GHz - 18.8 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.522B 5.517A) MOBILE EXCEPT AERONAUTICAL MOBILE Space research (passive) 5.522A 5.522C	EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.522B) 5.522A	FSS Earth stations	ERC/DEC/(00)07		.
		Fixed	ERC/DEC/(00)07 ERC/REC 12-03	EN 302 217	
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	
		Passive sensors (satellite)			Surface emmissivity, snow, sea, ice and precipitation
18.8 GHz - 19.3 GHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.523A 5.517A 5.517B 5.516B) INTER-SATELLITE (5.521A) MOBILE	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.517A 5.517B 5.523A) INTER-SATELLITE (5.521A)	FSS Earth stations	ERC/DEC/(00)07		
		Fixed	ERC/DEC/(00)07 ERC/REC 12-03	EN 302 217	
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	
19.3 GHz - 19.7 GHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (EARTH-TO-SPACE) (5.523B 5.523C 5.523D 5.523E 5.517A) INTER-SATELLITE (5.521A 5.523DA) MOBILE	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (EARTH-TO-SPACE) (5.517A 5.523B 5.523C 5.523D 5.523E)	FSS Earth stations	ERC/DEC/(00)07		
		Fixed	ERC/DEC/(00)07 ERC/REC 12-03	EN 302 217	
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	
19.7 GHz - 20.1 GHz					
FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.516B 5.527A 5.484B 5.517B) INTER-SATELLITE (5.521A) Mobile-Satellite (space-to-Earth) 5.524	FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.484B 5.516B 5.517B 5.527A) INTER-SATELLITE (5.521A) Mobile-Satellite (space-to-Earth)	FSS Earth stations	ECC/DEC/(05)08		High Density FSS
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		HEST	ECC/DEC/(06)03	EN 301 428 EN 301 459	
		MSS Earth stations			For uncoordinated Earth stations SUT
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
20.1 GHz - 20.2 GHz					
FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.516B 5.527A 5.484B 5.517B) INTER-SATELLITE (5.521A) MOBILE-SATELLITE (SPACE-TO-EARTH) 5.524 5.525 5.526 5.527 5.528	FIXED-SATELLITE (SPACE-TO-EARTH) (5.484A 5.484B 5.516B 5.517B 5.527A) INTER-SATELLITE (5.521A) MOBILE-SATELLITE (SPACE-TO-EARTH) 5.525 5.526 5.527 5.528	FSS Earth stations	ECC/DEC/(05)08		High Density FSS
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		HEST	ECC/DEC/(06)03	EN 301 428 EN 301 459	
		MSS Earth stations			For uncoordinated Earth stations SUT
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	
20.2 GHz - 21.2 GHz					
FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE-SATELLITE (SPACE-TO-EARTH) Standard frequency and time signal-satellite (space-to-Earth) 5.524 5.529A	FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE-SATELLITE (SPACE-TO-EARTH) ECA36	MSS Earth stations			For uncoordinated Earth stations
		Satellite systems (military)			
21.2 GHz - 21.4 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED MOBILE SPACE RESEARCH (PASSIVE)	EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED MOBILE SPACE RESEARCH (PASSIVE)	Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link
21.4 GHz - 22 GHz					
BROADCASTING-SATELLITE (5.208B) FIXED MOBILE 5.530A 5.530B	BROADCASTING-SATELLITE (5.208B) 5.530A 5.530B	Broadcasting (satellite)			
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		Within the frequency band 21.65-22 GHz
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
22 GHz - 22.2 GHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (R) (5.531D 5.531A 5.531B 5.531F 5.531C) 5.149	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.149 ECA17A	Fixed	T/R 13-02	EN 302 217 EN 302 326	
		Radio astronomy			Continuum and spectral line observations (e.g. water line), VLBI
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link
22.2 GHz - 22.21 GHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE 5.149	FIXED 5.149	Fixed	T/R 13-02	EN 302 217 EN 302 326	
		Radio astronomy			Continuum and spectral line observations (e.g. water line), VLBI
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link
22.21 GHz - 22.5 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED MOBILE EXCEPT AERONAUTICAL MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.149 5.532	FIXED MOBILE EXCEPT AERONAUTICAL MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) Earth exploration-satellite (passive) Mobile (ECA39) 5.149 5.532 ECA17A	Fixed	T/R 13-02	EN 302 217 EN 302 326	
		Radio astronomy			Continuum and spectral line observations (e.g. water line), VLBI
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
22.5 GHz - 22.55 GHz					
FIXED MOBILE	FIXED MOBILE (ECA39) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) ECA17A	Fixed	T/R 13-02	EN 302 217 EN 302 326	
		Radio astronomy			Continuum and spectral line observations (e.g. water line), VLBI
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link
22.55 GHz - 23.15 GHz					
FIXED INTER-SATELLITE (5.338A) MOBILE SPACE RESEARCH (EARTH-TO-SPACE) (5.532A) 5.149	FIXED INTER-SATELLITE (5.338A) MOBILE (ECA39) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) ECA17A	Fixed	T/R 13-02	EN 302 217 EN 302 326	
		Radio astronomy			Continuum and spectral line observations (e.g. water line), VLBI
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link
23.15 GHz - 23.55 GHz					
FIXED INTER-SATELLITE (5.338A) MOBILE	FIXED INTER-SATELLITE (5.338A) MOBILE (ECA39)	Fixed	T/R 13-02	EN 302 217 EN 302 326	
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link
23.55 GHz - 23.6 GHz					
FIXED MOBILE	FIXED INTER-SATELLITE MOBILE (ECA39)	Fixed	T/R 13-02	EN 302 217 EN 302 326	
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
23.6 GHz - 24 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			Measurement of water vapour, liquid water, clouds for atsmospheric sounding
		Radio astronomy			Continuum and spectral line observations (e.g. ammonia line). VLBI
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link
24 GHz - 24.05 GHz					
AMATEUR AMATEUR-SATELLITE 5.150	AMATEUR AMATEUR-SATELLITE 5.150	Amateur		EN 301 783	Within the band 24-24.25 GHz
		Amateur-satellite			
		ISM			Within the band 24-24.25 GHz
		Non-specific SRDs	ERC/REC 70-03	EN 300 440	Within the band 24-24.25 GHz
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
24.05 GHz - 24.25 GHz					
RADIOLOCATION Amateur Earth exploration-satellite (active) 5.150	RADIOLOCATION Amateur Earth exploration-satellite (active) Fixed Mobile 5.150 ECA36	Active sensors (satellite)			Rain radars from satellites
		Amateur		EN 301 783	Within the band 24-24.25 GHz
		ISM			Within the band 24-24.25 GHz
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Non-specific SRDs	ERC/REC 70-03	EN 300 440	Within the band 24-24.25 GHz
		Radiodetermination applications		EN 300 440	
		Radiolocation (military)			
		SRR	ECC/DEC/(04)10 ERC/REC 70-03		
		TLPR	ERC/REC 70-03	EN 302 372	
		TTT	ERC/REC 70-03	EN 302 858	Automotive radars
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
24.25 GHz - 24.45 GHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.338A 5.532AB)	FIXED MOBILE (5.338A 5.532AB) ECA17A	Fixed	T/R 13-02	EN 302 217 EN 302 326	Unidirectional fixed links
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		MFCN	ECC/DEC/(18)06 ECC/DEC/(22)01 ECC/REC/(23)02		
		SRR	ECC/DEC/(04)10 ERC/REC 70-03	EN 302 288	New SRR systems shall not be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz as of 1 July 2013. New SRR systems may only be introduced in CEPT countries in the frequency bands 24.25-26.65 GHz until 1 January 2018; this date is extended by 4 years for SRR equipment mounted on motor vehicles for which a type-approval application has been submitted and has been granted before 1 January 2018
		TLPR	ERC/REC 70-03	EN 302 372	
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
24.45 GHz - 24.5 GHz					
FIXED INTER-SATELLITE MOBILE EXCEPT AERONAUTICAL MOBILE (5.338A 5.532AB)	FIXED MOBILE (5.338A 5.532AB) ECA17A	Fixed	T/R 13-02	EN 302 217 EN 302 326	Unidirectional fixed links
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		MFCN	ECC/DEC/(18)06 ECC/DEC/(22)01 ECC/REC/(23)02		
		SRR	ECC/DEC/(04)10 ERC/REC 70-03	EN 302 288	New SRR systems shall not be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz as of 1 July 2013. New SRR systems may only be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz until 1 January 2018; this date is extended by 4 years for SRR equipment mounted on motor vehicles for which a type-approval application has been submitted and has been granted before 1 January 2018
		TLPR	ERC/REC 70-03	EN 302 372	
		Video PMSE	ERC/REC 25-10	EN 302 064	Cordless Cameras; Temporary point-to-point video link

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
24.5 GHz - 24.65 GHz					
FIXED INTER-SATELLITE MOBILE EXCEPT AERONAUTICAL MOBILE (5.338A 5.532AB)	FIXED MOBILE (5.338A 5.532AB)	FWA	ECC/REC/(11)01	EN 302 326	CRS paired with 25.5-26.5 GHz for FDD systems
		Fixed	T/R 13-02	EN 302 217 EN 302 326	
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		MFCN	ECC/DEC/(18)06 ECC/DEC/(22)01 ECC/REC/(23)02		
		SRR	ECC/DEC/(04)10 ERC/REC 70-03	EN 302 288	New SRR systems shall not be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz as of 1 July 2013. New SRR systems may only be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz until 1 January 2018; this date is extended by 4 years for SRR equipment mounted on motor vehicles for which a type-approval application has been submitted and has been granted before 1 January 2018
		TLPR	ERC/REC 70-03	EN 302 372	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
24.65 GHz - 24.75 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.532B) INTER-SATELLITE MOBILE EXCEPT AERONAUTICAL MOBILE (5.338A 5.532AB)	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.532B) MOBILE (5.338A 5.532AB)	FWA	ECC/REC/(11)01	EN 302 326	CRS paired with 25.5-26.5 GHz for FDD systems
		Fixed	T/R 13-02	EN 302 217 EN 302 326	
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		MFCN	ECC/DEC/(18)06 ECC/DEC/(22)01 ECC/REC/(20)01 ECC/REC/(23)02		
		SRR	ECC/DEC/(04)10 ERC/REC 70-03	EN 302 288	New SRR systems shall not be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz as of 1 July 2013. New SRR systems may only be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz until 1 January 2018; this date is extended by 4 years for SRR equipment mounted on motor vehicles for which a type-approval application has been submitted and has been granted before 1 January 2018
		TLPR	ERC/REC 70-03	EN 302 372	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
24.75 GHz - 25.25 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.532B) INTER-SATELLITE MOBILE EXCEPT AERONAUTICAL MOBILE (5.338A 5.532AB)	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.532B) INTER-SATELLITE MOBILE (5.338A 5.532AB)	FWA	ECC/REC/(11)01	EN 302 326	CRS paired with 25.5-26.5 GHz for FDD systems
		Fixed	T/R 13-02	EN 302 217 EN 302 326	
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		MFCN	ECC/DEC/(18)06 ECC/DEC/(22)01 ECC/REC/(20)01 ECC/REC/(23)02		
		SRR	ECC/DEC/(04)10 ERC/REC 70-03	EN 302 288	New SRR systems shall not be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz as of 1 July 2013. New SRR systems may only be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz until 1 January 2018; this date is extended by 4 years for SRR equipment mounted on motor vehicles for which a type-approval application has been submitted and has been granted before 1 January 2018
		TLPR	ERC/REC 70-03	EN 302 372	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
25.25 GHz - 25.5 GHz					
FIXED (5.534A) INTER-SATELLITE (5.536) MOBILE (5.338A 5.532AB) Standard frequency and time signal-satellite (Earth-to-space)	FIXED INTER-SATELLITE (5.536) MOBILE (5.338A 5.532AB) ECA36	Aeronautical military systems			
		FWA	ECC/REC/(11)01	EN 302 326	CRS paired with 25.5-26.5 GHz for FDD systems
		Fixed	T/R 13-02	EN 302 217 EN 302 326	
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		MFCN	ECC/DEC/(18)06 ECC/DEC/(22)01 ECC/REC/(23)02		
		Maritime military systems			
		SRR	ECC/DEC/(04)10 ERC/REC 70-03	EN 302 288	New SRR systems shall not be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz as of 1 July 2013. New SRR systems may only be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz until 1 January 2018; this date is extended by 4 years for SRR equipment mounted on motor vehicles for which a type-approval application has been submitted and has been granted before 1 January 2018
		TLPR	ERC/REC 70-03	EN 302 372	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
25.5 GHz - 26.5 GHz					
EARTH EXPLORATION-SATELLITE (SPACE-TO-EARTH) (5.536B) FIXED (5.534A) INTER-SATELLITE (5.536) MOBILE (5.338A 5.532AB) SPACE RESEARCH (SPACE-TO-EARTH) (5.536C) Standard frequency and time signal-satellite (Earth-to-space) 5.536A	FIXED INTER-SATELLITE (5.536) MOBILE (5.338A 5.532AB) SPACE RESEARCH (SPACE-TO-EARTH) (5.536C) Earth exploration-satellite (space-to-Earth) (5.536B) 5.536A ECA36	Aeronautical military systems			
		FWA	ECC/REC/(11)01	EN 302 326	TS should be paired with 24.5-25.5 GHz for FDD systems
		Fixed	T/R 13-02	EN 302 217 EN 302 326	
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Land military systems			
		MFCN	ECC/DEC/(18)06 ECC/DEC/(22)01 ECC/REC/(19)01 ECC/REC/(23)02		
		Maritime military systems			
		SRR	ECC/DEC/(04)10 ERC/REC 70-03	EN 302 288	New SRR systems shall not be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz as of 1 July 2013. New SRR systems may only be introduced in CEPT countries in the frequency bands 24.25-26.65 GHz until 1 January 2018; this date is extended by 4 years for SRR equipment mounted on motor vehicles for which a type-approval application has been submitted and has been granted before 1 January 2018
		Space research	ECC/REC/(19)01		Satellite payload telemetry
		TLPR	ERC/REC 70-03	EN 302 372	

Annex 1 - ECA Table

26.5 GHz - 27 GHz

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
EARTH EXPLORATION-SATELLITE (SPACE-TO-EARTH) (5.536B) FIXED (5.534A) INTER-SATELLITE (5.536) MOBILE (5.338A 5.532AB) SPACE RESEARCH (SPACE-TO-EARTH) (5.536C) Standard frequency and time signal-satellite (Earth-to-space) 5.536A	FIXED INTER-SATELLITE (5.536) MOBILE (5.338A 5.532AB) SPACE RESEARCH (SPACE-TO-EARTH) (5.536C) Earth exploration-satellite (space-to-Earth) (5.536B) 5.536A ECA36	Land military systems			
		MFCN	ECC/DEC/(18)06 ECC/DEC/(22)01 ECC/REC/(19)01 ECC/REC/(23)02		
		SRR	ECC/DEC/(04)10 ERC/REC 70-03	EN 302 288	New SRR systems shall not be introduced in CEPT countries in the frequency bands 21.65-26.65 GHz as of 1 July 2013. New SRR systems may only be introduced in CEPT countries in the frequency bands 24.25-26.65 GHz until 1 January 2018; this date is extended by 4 years for SRR equipment mounted on motor vehicles for which a type approval application has been submitted and has been granted before 1 January 2018
		Space research	ECC/REC/(19)01		Satellite payload telemetry
		TLPR	ERC/REC 70-03	EN 302 372	

27 GHz - 27.5 GHz

FIXED INTER-SATELLITE (5.536) MOBILE (5.338A 5.532AB)	FIXED INTER-SATELLITE (5.536) MOBILE (5.338A 5.532AB) Earth exploration-satellite (space-to-Earth) ECA36	Land military systems			
		MFCN	ECC/DEC/(18)06 ECC/DEC/(22)01 ECC/REC/(19)01 ECC/REC/(23)02		

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
27.5 GHz - 28.5 GHz					
FIXED (5.537A) FIXED-SATELLITE (EARTH-TO-SPACE) (5.484A 5.516B 5.539 5.517A 5.517B) INTER-SATELLITE (5.521A) MOBILE 5.538 5.540	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484A 5.516B 5.517A 5.517B 5.539) INTER-SATELLITE (5.521A) 5.538 5.540	FSS Earth stations	ECC/DEC/(05)01		The Earth-to-Space direction for uncoordinated Earth stations within the band 27.5-27.8285 GHz. The Space-to-Earth direction is limited to beacons for uplink power control 27.5-27.501 GHz
		FWA	ECC/DEC/(05)01 ECC/REC/(11)01	EN 302 326	CRS paired with 28.5-29.5 GHz for FDD systems.
		Feeder links			Feeder links to be used for Broadcasting satellites (HDTV) 27.5-29.5 GHz
		Fixed	ECC/DEC/(05)01 T/R 13-02	EN 302 217 EN 302 326	For frequency arrangement between FS and FSS see ECC/DEC/(05)01. CRS paired with 28.5-29.5 GHz for FDD systems.
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	
		NGSO FSS	ECC/DEC/(05)01	EN 303 699	
28.5 GHz - 29.1 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484A 5.516B 5.523A 5.539 5.517A 5.517B) INTER-SATELLITE (5.521A) MOBILE Earth exploration-satellite (Earth-to-space) (5.541) 5.540	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.484A 5.516B 5.517A 5.517B 5.523A 5.539) INTER-SATELLITE (5.521A) Earth exploration-satellite (Earth-to-space) (5.541) 5.540	FSS Earth stations	ECC/DEC/(05)01		Uncoordinated Earth stations within the band 28.4445-28.8365 GHz
		FWA	ECC/DEC/(05)01 ECC/REC/(11)01	EN 302 326	TS paired with 27.5-28.5 GHz for FDD systems.
		Feeder links			Feeder links to be used for Broadcasting satellites (HDTV) 27.5-29.5 GHz
		Fixed	ECC/DEC/(05)01 T/R 13-02	EN 302 217 EN 302 326	For frequency arrangement between FS and FSS see ECC/DEC/(05)01. TS paired with 27.5-28.5 GHz for FDD systems.
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	
		NGSO FSS	ECC/DEC/(05)01	EN 303 699	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*

29.1 GHz - 29.5 GHz

FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.516B 5.523C 5.523E 5.535A 5.539 5.541A 5.517A) INTER-SATELLITE (5.521A) MOBILE Earth exploration-satellite (Earth-to-space) (5.541) 5.540	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.516B 5.517A 5.523C 5.523E 5.535A 5.539 5.541A) INTER-SATELLITE (5.521A) Earth exploration-satellite (Earth-to-space) (5.541) 5.540	FSS Earth stations	ECC/DEC/(05)01		Uncoordinated Earth stations within the band 29.4525-29.5 GHz
		FWA	ECC/DEC/(05)01 ECC/REC/(11)01	EN 302 326	TS paired with 27.5-28.5 GHz for FDD systems.
		Feeder links			Feeder links to be used for Broadcasting satellites (HDTV) 27.5-29.5 GHz
		Fixed	ECC/DEC/(05)01 T/R 13-02	EN 302 217 EN 302 326	Within the band 29.0605-29.4525 GHz. TS paired with 27.5-28.5 GHz for FDD systems.
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	

29.5 GHz - 29.9 GHz

FIXED-SATELLITE (EARTH-TO-SPACE) (5.484A 5.516B 5.539 5.484B 5.527A 5.517B) INTER-SATELLITE (5.521A) Earth exploration-satellite (Earth-to-space) (5.541) Mobile-Satellite (Earth-to-space) 5.540 5.542	FIXED-SATELLITE (EARTH-TO-SPACE) (5.484A 5.484B 5.516B 5.517B 5.527A 5.539) INTER-SATELLITE (5.521A) Earth exploration-satellite (Earth-to-space) (5.541) Mobile-Satellite (Earth-to-space) 5.540	FSS Earth stations	ECC/DEC/(05)08		High Density FSS
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		HEST	ECC/DEC/(06)03	EN 301 459	
		MSS Earth stations			
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	

29.9 GHz - 30 GHz

FIXED-SATELLITE (EARTH-TO-SPACE) (5.484A 5.516B 5.539 5.484B 5.527A 5.517B) INTER-SATELLITE (5.521A) MOBILE-SATELLITE (EARTH-TO-SPACE) Earth exploration-satellite (Earth-to-space) (5.541 5.543) 5.525 5.526 5.527 5.538 5.540 5.542	EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) (5.541 5.543) FIXED-SATELLITE (EARTH-TO-SPACE) (5.484A 5.484B 5.516B 5.517B 5.527A 5.539) INTER-SATELLITE (5.521A) MOBILE-SATELLITE (EARTH-TO-SPACE) 5.525 5.526 5.527 5.538 5.540	FSS Earth stations	ECC/DEC/(05)08		High Density FSS
		GSO ESOMPs	ECC/DEC/(13)01	EN 303 978	
		HEST	ECC/DEC/(06)03	EN 301 459	
		MSS Earth stations			
		NGSO ESOMPs	ECC/DEC/(15)04	EN 303 979	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*

30 GHz - 31 GHz

FIXED-SATELLITE (EARTH-TO-SPACE) (5.338A) MOBILE-SATELLITE (EARTH-TO-SPACE) Standard frequency and time signal-satellite (space-to-Earth) 5.529A 5.542	FIXED-SATELLITE (EARTH-TO-SPACE) (5.338A) MOBILE-SATELLITE (EARTH-TO-SPACE) ECA36	FSS Earth stations			For uncoordinated Earth stations
		MSS Earth stations			
		Satellite systems (military)			

31 GHz - 31.3 GHz

FIXED (5.338A 5.543B 5.543A) MOBILE Space research (5.544 5.545) Standard frequency and time signal-satellite (space-to-Earth) 5.149	FIXED (5.338A 5.543B) MOBILE 5.149	Fixed	ECC/REC/(02)02	EN 302 217 EN 302 326	
		Radio astronomy			Continuum observations

31.3 GHz - 31.5 GHz

EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)	ECC/DEC/(10)02		Measurement of sea ice, water vapour, oil spills, liquid water, clouds, surface temperature, emissivity and atmospheric attenuation. Reference window for the 50-60 GHz range
		Radio astronomy			Continuum observations

31.5 GHz - 31.8 GHz

EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) Fixed Mobile except aeronautical mobile 5.149 5.546	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) Fixed Mobile except aeronautical mobile 5.149 5.546	Fixed			
		Passive sensors (satellite)			Measurement of sea ice, water vapour, oil spills, liquid water, clouds, surface temperature. Emissivity and atmospheric attenuation. Reference window for the 50-60 GHz range
		Radio astronomy			Continuum observations

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
31.8 GHz - 32 GHz					
FIXED (5.547A) RADIONAVIGATION SPACE RESEARCH (DEEP SPACE) (SPACE-TO-EARTH) 5.547 5.547B 5.548	FIXED (5.547A) RADIONAVIGATION SPACE RESEARCH (DEEP SPACE) (SPACE-TO-EARTH) 5.547 5.548	FWA	ECC/REC/(11)01	EN 302 326	Point-to-Point and Point-to-Multipoint
		Fixed	ERC/REC/(01)02	EN 302 217	High Density FS
32 GHz - 32.3 GHz					
FIXED (5.547A) RADIONAVIGATION SPACE RESEARCH (DEEP SPACE) (SPACE-TO-EARTH) 5.547 5.547C 5.548	FIXED (5.547A) RADIONAVIGATION SPACE RESEARCH (DEEP SPACE) (SPACE-TO-EARTH) 5.547 5.548	FWA	ECC/REC/(11)01	EN 302 326	Point-to-Point and Point-to-Multipoint
		Fixed	ERC/REC/(01)02	EN 302 217	High Density FS
32.3 GHz - 33 GHz					
FIXED (5.547A) INTER-SATELLITE RADIONAVIGATION 5.547 5.547D 5.548	FIXED (5.547A) INTER-SATELLITE RADIONAVIGATION 5.547 5.548	FWA	ECC/REC/(11)01	EN 302 326	Point-to-Point and Point-to-Multipoint
		Fixed	ERC/REC/(01)02	EN 302 217	High Density FS
33 GHz - 33.4 GHz					
FIXED (5.547A) RADIONAVIGATION 5.547 5.547E	FIXED (5.547A) INTER-SATELLITE RADIONAVIGATION 5.547	FWA	ECC/REC/(11)01	EN 302 326	Point-to-Point and Point-to-Multipoint
		Fixed	ERC/REC/(01)02	EN 302 217	High Density FS
		Radiolocation (military)			
33.4 GHz - 34.2 GHz					
RADIOLOCATION 5.549	RADIOLOCATION ECA36	Radiolocation (military)			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
34.2 GHz - 34.7 GHz					
RADIOLOCATION SPACE RESEARCH (DEEP SPACE) (EARTH-TO-SPACE) 5.549	RADIOLOCATION SPACE RESEARCH (DEEP SPACE) (EARTH-TO-SPACE) ECA36	Radiolocation (military)			
34.7 GHz - 35.2 GHz					
RADIOLOCATION Space research 5.549	RADIOLOCATION Space research ECA36	Radiolocation (military)			
35.2 GHz - 35.5 GHz					
METEOROLOGICAL AIDS RADIOLOCATION 5.549	METEOROLOGICAL AIDS RADIOLOCATION ECA36	Active sensors (satellite)			Rain radar from satellites
		Radiolocation (military)			
35.5 GHz - 36 GHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) METEOROLOGICAL AIDS RADIOLOCATION SPACE RESEARCH (ACTIVE) 5.549 5.549A	EARTH EXPLORATION-SATELLITE (ACTIVE) METEOROLOGICAL AIDS RADIOLOCATION SPACE RESEARCH (ACTIVE) 5.549A ECA36	Active sensors (satellite)			
		Radiolocation (military)			
36 GHz - 37 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED MOBILE SPACE RESEARCH (PASSIVE) 5.149 5.550A	EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED MOBILE SPACE RESEARCH (PASSIVE) Radio astronomy 5.149 5.550A	Passive sensors (satellite)			EESS surface emmissivity, snow, sea ice and precipitation
		Radio astronomy			Spectral line observations (Hydrogen cyanide and Hydroxil lines) 36.43-36.50 GHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
37 GHz - 37.5 GHz					
FIXED MOBILE EXCEPT AERONAUTICAL MOBILE (5.550B) SPACE OPERATION (SPACE-TO-EARTH) 5.547	FIXED SPACE RESEARCH (SPACE-TO-EARTH) 5.547	Fixed	T/R 12-01		Major use by civil Fixed Service systems. High Density fixed links
37.5 GHz - 38 GHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.550C 5.550CA) MOBILE EXCEPT AERONAUTICAL MOBILE (5.550B) SPACE RESEARCH (SPACE-TO-EARTH) Earth exploration-satellite (space-to-Earth) 5.547	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.550C 5.550CA) SPACE RESEARCH (SPACE-TO-EARTH) Earth exploration-satellite (space-to-Earth) 5.547	FSS Earth stations	ERC/DEC/(00)02		Uncoordinated Earth stations shall not claim protection from the Fixed Service
		Fixed	T/R 12-01		Major use by civil Fixed Service systems. High Density fixed links
38 GHz - 39.5 GHz					
FIXED (5.550D) FIXED-SATELLITE (SPACE-TO-EARTH) (5.550C) MOBILE (5.550B) Earth exploration-satellite (space-to-Earth) 5.547	FIXED (5.550D) FIXED-SATELLITE (SPACE-TO-EARTH) (5.550C) Earth exploration-satellite (space-to-Earth) 5.547	FSS Earth stations	ERC/DEC/(00)02		Uncoordinated Earth stations shall not claim protection from the Fixed Service
		Fixed	T/R 12-01		Major use by civil Fixed Service systems. High Density fixed links
39.5 GHz - 40 GHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.516B 5.550C) MOBILE (5.550B) MOBILE-SATELLITE (SPACE-TO-EARTH) Earth exploration-satellite (space-to-Earth) 5.547 5.550E	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.516B 5.550C) MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH) Earth exploration-satellite (space-to-Earth) 5.547 5.550E	FSS Earth stations	ECC/REC/(22)02 ERC/DEC/(00)02		
		MSS Earth stations	ERC/DEC/(00)02		

Annex 1 - ECA Table

40 GHz - 40.5 GHz

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
EARTH EXPLORATION-SATELLITE (EARTH-TO-SPACE) FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.516B 5.550C) MOBILE (5.550B) MOBILE-SATELLITE (SPACE-TO-EARTH) SPACE RESEARCH (EARTH-TO-SPACE) Earth exploration-satellite (space-to-Earth) 5.550E	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.516B) MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH) SPACE RESEARCH (EARTH-TO-SPACE) Earth exploration-satellite (space-to-Earth) 5.550E	FSS Earth stations	ECC/REC/(22)02 ERC/DEC/(00)02		
		MSS Earth stations	ERC/DEC/(00)02		

40.5 GHz - 41 GHz

BROADCASTING BROADCASTING-SATELLITE FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.550C) LAND MOBILE (5.550B) Aeronautical mobile Maritime mobile 5.547	BROADCASTING BROADCASTING-SATELLITE FIXED LAND MOBILE (5.550B) Aeronautical mobile Maritime mobile 5.547	FSS Earth stations	ECC/DEC/(23)01 ECC/REC/(22)01		
		MFCN	ECC/DEC/(22)06 ECC/REC/(22)01 ECC/REC/(22)02		
		Point-to-Point	ECC/REC/(01)04	EN 302 217	

41 GHz - 42.5 GHz

BROADCASTING BROADCASTING-SATELLITE FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.550C) LAND MOBILE (5.550B) Aeronautical mobile Maritime mobile 5.547 5.551H 5.551I	BROADCASTING BROADCASTING-SATELLITE FIXED FIXED-SATELLITE (SPACE-TO-EARTH) (5.550C) LAND MOBILE (5.550B) Aeronautical mobile Maritime mobile 5.547 5.551H 5.551I	FSS Earth stations	ECC/DEC/(23)01 ECC/REC/(22)01		
		MFCN	ECC/DEC/(22)06 ECC/REC/(22)01 ECC/REC/(22)02		
		Point-to-Point	ECC/REC/(01)04	EN 302 217	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
42.5 GHz - 43.5 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.552) MOBILE EXCEPT AERONAUTICAL MOBILE (5.550B) RADIO ASTRONOMY 5.149 5.547	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.552) MOBILE EXCEPT AERONAUTICAL MOBILE RADIO ASTRONOMY 5.149 5.547	FSS Earth stations	ECC/DEC/(23)01 ECC/REC/(22)01		
		MFCN	ECC/DEC/(22)06 ECC/REC/(22)01 ECC/REC/(22)02		
		Point-to-Point	ECC/REC/(01)04	EN 302 217	
		Radio astronomy			Continuum and spectral line observations (e.g. silicon monoxide line), VLBI
43.5 GHz - 45.5 GHz					
MOBILE (5.553 5.553A) MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.554	MOBILE (5.553) MOBILE-SATELLITE Fixed-satellite 5.554 ECA36	Aeronautical military systems			
		Land military systems			
		Maritime military systems			
		Satellite systems (military)			
45.5 GHz - 47 GHz					
MOBILE (5.553 5.553A) MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.554	MOBILE (5.553) MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.554	-			
47 GHz - 47.2 GHz					
AMATEUR AMATEUR-SATELLITE	AMATEUR AMATEUR-SATELLITE	Amateur			
		Amateur-satellite			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
47.2 GHz - 47.5 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.552 5.550C) MOBILE (5.553B) 5.552A	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.550C 5.552) MOBILE (5.553B) 5.552A	FSS Earth stations	ECC/DEC/(21)01		Coordinated gateway Earth stations
		Feeder links			For 40 GHz Broadcasting satellites
47.5 GHz - 47.9 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.552 5.550C) FIXED-SATELLITE (SPACE-TO-EARTH) (5.516B 5.554A) MOBILE (5.553B)	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.550C 5.552) FIXED-SATELLITE (SPACE-TO-EARTH) (5.516B 5.554A) MOBILE (5.553B)	FSS Earth stations	ECC/DEC/(05)08 ECC/DEC/(21)01		High Density FSS
		Feeder links			For 40 GHz Broadcasting satellites
47.9 GHz - 48.2 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.552 5.550C) MOBILE (5.553B) 5.552A	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.550C 5.552) MOBILE (5.553B) 5.552A	FSS Earth stations	ECC/DEC/(21)01		Coordinated gateway Earth stations
		Feeder links			For 40 GHz Broadcasting satellites
48.2 GHz - 48.54 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.552 5.550C) FIXED-SATELLITE (SPACE-TO-EARTH) (5.516B 5.554A 5.555B) MOBILE	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.550C 5.552) FIXED-SATELLITE (SPACE-TO-EARTH) (5.516B 5.554A 5.555B) MOBILE	FSS Earth stations	ECC/DEC/(05)08 ECC/DEC/(21)01		High Density FSS
		Feeder links			For 40 GHz Broadcasting satellites
		Fixed	ERC/REC 12-11	EN 302 217	Within the band 48.5-50.2 GHz and 50.9-52.6 GHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
48.54 GHz - 49.44 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.552 5.550C) MOBILE 5.149 5.340 5.555	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.550C 5.552) MOBILE RADIO ASTRONOMY 5.149 5.340 5.555 ECA17A	FSS Earth stations	ECC/DEC/(21)01		
		Feeder links			48.5-49.2 GHz for 40 GHz Broadcasting satellites
		Fixed	ERC/REC 12-11	EN 302 217	Within the band 48.5-50.2 GHz and 50.9-52.6 GHz
		Radio astronomy			Spectral line observations (e.g. carbon monosulphide line)
49.44 GHz - 50.2 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.552 5.338A 5.550C) FIXED-SATELLITE (SPACE-TO-EARTH) (5.516B 5.554A 5.555B) MOBILE	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.338A 5.550C 5.552) FIXED-SATELLITE (SPACE-TO-EARTH) (5.516B 5.554A 5.555B) MOBILE ECA17A	FSS Earth stations	ECC/DEC/(05)08 ECC/DEC/(21)01		High Density FSS
		Fixed	ERC/REC 12-11	EN 302 217	Within the band 48.5-50.2 GHz and 50.9-52.6 GHz
50.2 GHz - 50.4 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) SPACE RESEARCH (PASSIVE) 5.340	EARTH EXPLORATION-SATELLITE (PASSIVE) SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			Atmospheric temperature sounding. Terrestrial passive radiometers. Reference window for the 52.6-59.3 GHz band
		Radio astronomy			Continuum and spectral line observations
50.4 GHz - 51.4 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.338A 5.550C) MOBILE Mobile-Satellite (Earth-to-space)	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) (5.338A 5.550C) Mobile-Satellite (Earth-to-space)	FSS Earth stations	ECC/DEC/(21)01		Coordinated gateway Earth stations
		Fixed	ERC/REC 12-11	EN 302 217	Within the band 48.5-50.2 GHz and 50.9-52.6 GHz

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
51.4 GHz - 52.4 GHz					
FIXED (5.338A) FIXED-SATELLITE (EARTH-TO-SPACE) (5.555C) MOBILE 5.547 5.556	FIXED (5.338A) FIXED-SATELLITE (EARTH-TO-SPACE) (5.555C) MOBILE RADIO ASTRONOMY 5.547 5.556	FSS Earth stations	ECC/DEC/(21)01		Coordinated gateway Earth stations
		Fixed	ERC/REC 12-11	EN 302 217	Within the band 48.5-50.2 GHz and 50.9-52.6 GHz
		Radio astronomy			Continuum and spectral line observations
52.4 GHz - 52.6 GHz					
FIXED (5.338A) MOBILE 5.547 5.556	FIXED (5.338A) MOBILE RADIO ASTRONOMY (5.547 5.556)	Fixed	ERC/REC 12-11	EN 302 217	Within the band 48.5-50.2 GHz and 50.9-52.6 GHz
		Radio astronomy			Continuum and spectral line observations
52.6 GHz - 54.25 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) SPACE RESEARCH (PASSIVE) 5.340 5.556	EARTH EXPLORATION-SATELLITE (PASSIVE) SPACE RESEARCH (PASSIVE) 5.340 5.556	Passive sensors (satellite)			Atmospheric temperature sounding. Terrestrial passive radiometers
		Radio astronomy			Continuum and spectral line observations
54.25 GHz - 55.78 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.556A) SPACE RESEARCH (PASSIVE) 5.556B	EARTH EXPLORATION-SATELLITE (PASSIVE) SPACE RESEARCH (PASSIVE)	Passive sensors (satellite)			Atmospheric temperature sounding. Terrestrial passive radiometers
55.78 GHz - 56.9 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED (5.557A) INTER-SATELLITE (5.556A) MOBILE (5.558) SPACE RESEARCH (PASSIVE) 5.547 5.557	EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED (5.557A) INTER-SATELLITE (5.556A) SPACE RESEARCH (PASSIVE) 5.547 5.558	Fixed	ERC/REC 12-12	EN 302 217	High density fixed links
		Passive sensors (satellite)			Atmospheric temperature sounding

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*

56.9 GHz - 57 GHz

EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED INTER-SATELLITE (5.558A) MOBILE (5.558) SPACE RESEARCH (PASSIVE) 5.547 5.557	EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED INTER-SATELLITE (5.558A) MOBILE (5.558) SPACE RESEARCH (PASSIVE) 5.547	Fixed	ERC/REC 12-12	EN 302 217	High density fixed links
		Passive sensors (satellite)			Atmospheric temperature sounding

57 GHz - 58.2 GHz

EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED INTER-SATELLITE (5.556A) MOBILE (5.558) SPACE RESEARCH (PASSIVE) 5.547 5.557	EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED INTER-SATELLITE (5.556A) MOBILE (5.558) SPACE RESEARCH (PASSIVE) 5.547	Fixed		EN 302 217	Un-coordinated deployment. High density fixed links
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Non-specific SRDs	ERC/REC 70-03	EN 305 550	Within the band 57-64 GHz
		Passive sensors (satellite)			Atmospheric temperature sounding
		TLPR	ERC/REC 70-03	EN 302 372	
		Wideband data transmission systems	ERC/REC 70-03	EN 302 567 EN 303 722 EN 303 753	

58.2 GHz - 59 GHz

EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED MOBILE SPACE RESEARCH (PASSIVE) 5.547 5.556	EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.547 5.556 ECA6 ECA19	Fixed		EN 302 217	Un-coordinated deployment. High density fixed links
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Non-specific SRDs	ERC/REC 70-03	EN 305 550	Within the band 57-64 GHz
		Passive sensors (satellite)			Atmospheric temperature sounding. Terrestrial passive radiometers
		Radio astronomy			Continuum and spectral line observations
		TLPR	ERC/REC 70-03	EN 302 372	
		Wideband data transmission systems	ERC/REC 70-03	EN 302 567 EN 303 722 EN 303 753	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
59 GHz - 59.3 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED INTER-SATELLITE (5.556A) MOBILE (5.558) RADIOLOCATION (5.559) SPACE RESEARCH (PASSIVE)	EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED INTER-SATELLITE (5.556A) MOBILE (5.558) RADIOLOCATION (5.559) SPACE RESEARCH (PASSIVE)	Fixed		EN 302 217	High density fixed links
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Non-specific SRDs	ERC/REC 70-03	EN 305 550	Within the band 57-64 GHz
		Passive sensors (satellite)			Atmospheric temperature sounding. Terrestrial passive radiometers
		TLPR	ERC/REC 70-03	EN 302 372	
		Wideband data transmission systems	ERC/REC 70-03	EN 302 567 EN 303 722 EN 303 753	
59.3 GHz - 64 GHz					
FIXED INTER-SATELLITE MOBILE (5.558) RADIOLOCATION (5.559) 5.138	FIXED INTER-SATELLITE MOBILE (5.558) RADIOLOCATION (5.559) 5.138	Fixed		EN 302 217	High density fixed links
		ISM			Within the band 61.0-61.5 GHz
		ITS	ECC/DEC/(09)01	EN 302 686	Within the band 63.72- 65.88 GHz
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Non-specific SRDs	ERC/REC 70-03	EN 305 550	Within the band 57-64 GHz
		TLPR	ERC/REC 70-03	EN 302 372	
		Wideband data transmission systems	ERC/REC 70-03	EN 302 567 EN 303 722 EN 303 753	
64 GHz - 65 GHz					
FIXED INTER-SATELLITE MOBILE EXCEPT AERONAUTICAL MOBILE 5.547 5.556	FIXED INTER-SATELLITE MOBILE EXCEPT AERONAUTICAL MOBILE 5.547 5.556	Fixed		EN 302 217	High density fixed links
		ITS	ECC/DEC/(09)01 ERC/REC 70-03	EN 302 686	Within the band 63.72 - 65.88 GHz
		Radio astronomy			Continuum and spectral line observations
		Wideband data transmission systems	ERC/REC 70-03	EN 302 567 EN 303 722 EN 303 753	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
65 GHz - 66 GHz					
EARTH EXPLORATION-SATELLITE FIXED INTER-SATELLITE MOBILE EXCEPT AERONAUTICAL MOBILE SPACE RESEARCH 5.547	EARTH EXPLORATION-SATELLITE FIXED INTER-SATELLITE MOBILE EXCEPT AERONAUTICAL MOBILE SPACE RESEARCH 5.547	Fixed		EN 302 217	High density fixed links
		ITS	ECC/DEC/(09)01 ERC/REC 70-03	EN 302 686	Within the band 63.72 - 65.88 GHz
		Land mobile			Broadband mobile systems for connection to IBCN paired with 62-63 GHz
		Wideband data transmission systems	ERC/REC 70-03	EN 302 567 EN 303 722 EN 303 753	
66 GHz - 71 GHz					
INTER-SATELLITE MOBILE (5.553 5.558) MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.554 5.559AA	INTER-SATELLITE MOBILE (5.553 5.558) MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.554	-			Future civil systems
		Radiodetermination applications	ERC/REC 70-03	EN 303 940	Within the band 69.8-80.5 GHz
		Wideband data transmission systems	ERC/REC 70-03	EN 302 567 EN 303 722 EN 303 753	
71 GHz - 74 GHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH)	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH)	Fixed	ECC/REC/(05)07	EN 302 217	
		Radiodetermination applications	ERC/REC 70-03	EN 303 940	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
74 GHz - 75.5 GHz					
BROADCASTING BROADCASTING-SATELLITE FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE Space research (space-to-Earth) 5.561	BROADCASTING BROADCASTING-SATELLITE FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE Space research (space-to-Earth) 5.561	Fixed	ECC/REC/(05)07	EN 302 217	
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Radiodetermination applications	ERC/REC 70-03	EN 303 940	
		Space research			VLBI measurements within the band 74-84 GHz
		TLPR	ERC/REC 70-03	EN 302 372	
75.5 GHz - 76 GHz					
BROADCASTING BROADCASTING-SATELLITE FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE Space research (space-to-Earth) 5.561	BROADCASTING BROADCASTING-SATELLITE FIXED FIXED-SATELLITE (SPACE-TO-EARTH) Amateur Amateur-satellite 5.561 ECA35	Amateur			Within the band 75.5-81.5 GHz
		Amateur-satellite			Within the band 75.5-81.5 GHz
		Fixed	ECC/REC/(05)07	EN 302 217	
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Radiodetermination applications	ERC/REC 70-03	EN 303 940	
		Space research			VLBI
		TLPR	ERC/REC 70-03	EN 302 372	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
76 GHz - 77.5 GHz					
RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite Space research (space-to-Earth) 5.149	RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite Space research (space-to-Earth) 5.149	Amateur			Within the band 75.5-81.5 GHz
		Amateur-satellite			Within the band 75.5-81.5 GHz
		GBSAR	ECC/DEC/(21)02 ERC/REC 70-03	EN 303 661	Within frequency band 76-77 GHz
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ERC/REC 70-03	EN 303 940	
		Radiolocation (civil)			
		Railway applications	ERC/REC 70-03	EN 301 091	Obstruction/vehicle detection at level crossings
		SRR	ECC/DEC/(04)03 ERC/REC 70-03	EN 302 264	
		TLPR	ERC/REC 70-03	EN 302 372	
		TTT	ECC/DEC/(16)01 ERC/REC 70-03	EN 301 091 EN 303 360	Within the band 76-77 GHz. Rotorcraft Radar
77.5 GHz - 78 GHz					
AMATEUR AMATEUR-SATELLITE RADIOLOCATION (5.559B) Radio astronomy Space research (space-to-Earth) 5.149	AMATEUR AMATEUR-SATELLITE RADIOLOCATION (5.559B) Space research (space-to-Earth) 5.149	Amateur			Within the band 75.5-81.5 GHz
		Amateur-satellite			Within the band 75.5-81.5 GHz
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ERC/REC 70-03	EN 303 940	
		SRR	ECC/DEC/(04)03 ERC/REC 70-03	EN 302 264	
		TLPR	ERC/REC 70-03	EN 302 372	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
78 GHz - 79 GHz					
RADIOLOCATION Amateur Amateur-satellite Radio astronomy Space research (space-to-Earth) 5.149 5.560	RADIOLOCATION Amateur Amateur-satellite Radio astronomy Space research (space-to-Earth) 5.149 5.560	Amateur			Within the band 75.5-81.5 GHz
		Amateur-satellite			Within the band 75.5-81.5 GHz
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ERC/REC 70-03	EN 303 940	
		Radiolocation (civil)			
		SRR	ECC/DEC/(04)03 ERC/REC 70-03	EN 302 264	
		TLPR	ERC/REC 70-03	EN 302 372	
79 GHz - 81 GHz					
RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite Space research (space-to-Earth) 5.149	RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.149	Amateur			Within the band 75.5-81.5 GHz
		Amateur-satellite			Within the band 75.5-81.5 GHz
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ERC/REC 70-03	EN 303 940	Within the band 79-80.5 GHz
		Radiolocation (civil)			
		SRR	ECC/DEC/(04)03 ERC/REC 70-03	EN 302 264	
		TLPR	ERC/REC 70-03	EN 302 372	
81 GHz - 84 GHz					
FIXED (5.338A) FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) RADIO ASTRONOMY Space research (space-to-Earth) 5.149 5.561A	FIXED (5.338A) FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) RADIO ASTRONOMY Space research (space-to-Earth) 5.149 5.561A	Amateur			Within the band 75.5-81.5 GHz
		Amateur-satellite			Within the band 75.5-81.5 GHz
		Fixed	ECC/REC/(05)07	EN 302 217	
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	
		Radio astronomy			Continuum and spectral line observations
		TLPR	ERC/REC 70-03	EN 302 372	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*

84 GHz - 86 GHz

FIXED (5.338A) FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE RADIO ASTRONOMY 5.149	FIXED (5.338A) FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE RADIO ASTRONOMY 5.149	Fixed	ECC/REC/(05)07	EN 302 217	
		LPR	ECC/DEC/(11)02 ERC/REC 70-03	EN 302 729	Within the band 84-85 GHz
		Radio astronomy			Continuum and spectral line observations
		TLPR	ERC/REC 70-03	EN 302 372	Within the band 84-85 GHz

86 GHz - 92 GHz

EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			Measurement of clouds, oil spills, ice, snow, rain, reference window for the temperature sounding near 118 GHz
		Radio astronomy			Continuum and spectral line observations. VLBI

92 GHz - 94 GHz

FIXED (5.338A) MOBILE RADIO ASTRONOMY RADIOLOCATION 5.149	FIXED (5.338A) MOBILE RADIO ASTRONOMY RADIOLOCATION 5.149	Fixed	ECC/REC/(18)02		
		Radio astronomy			Continuum and spectral line observations

94 GHz - 94.1 GHz

EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION SPACE RESEARCH (ACTIVE) Radio astronomy 5.562 5.562A	EARTH EXPLORATION-SATELLITE (ACTIVE) RADIOLOCATION SPACE RESEARCH (ACTIVE) Radio astronomy 5.562 5.562A	Active sensors (satellite)			Cloud radars
		Radio astronomy			Continuum and spectral line observations
		Space research			

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
94.1 GHz - 95 GHz					
FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION 5.149	FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION 5.149	Fixed	ECC/REC/(18)02		
		Radio astronomy			Continuum and spectral line observations
95 GHz - 100 GHz					
FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.149 5.554	FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.149 5.554	Fixed	ECC/REC/(18)02		
		Radio astronomy			Continuum and spectral line observations
100 GHz - 102 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341	Passive sensors (satellite)			Limb sounding of atmospheric constituents
		Radio astronomy			Continuum and spectral line observations
102 GHz - 105 GHz					
FIXED MOBILE RADIO ASTRONOMY 5.149 5.341	FIXED MOBILE RADIO ASTRONOMY 5.149 5.341	Fixed	ECC/REC/(18)02		
		Radio astronomy			Continuum and spectral line observations

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
105 GHz - 109.5 GHz					
FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) (5.562B) 5.149 5.341	FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) (5.562B) 5.149 5.341	Fixed	ECC/REC/(18)02		
		Radio astronomy			Continuum and spectral line observations
109.5 GHz - 111.8 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341	Radio astronomy			Continuum and spectral line observations
111.8 GHz - 114.25 GHz					
FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) (5.562B) 5.149 5.341	FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) (5.562B) 5.149 5.341	Fixed	ECC/REC/(18)02		
		Radio astronomy			Continuum and spectral line observations
114.25 GHz - 116 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341	Radio astronomy			Continuum and spectral line observations
116 GHz - 119.98 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.562C) SPACE RESEARCH (PASSIVE) 5.341	EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.562C) 5.341	Passive sensors (satellite)			Passive sensing as part of the oxygen absorption band with peak at 118.75 GHz
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
119.98 GHz - 120.02 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.562C) SPACE RESEARCH (PASSIVE) 5.341	EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.562C) 5.341	Passive sensors (satellite)			Passive sensing as part of the oxygen absorption band with peak at 118.75 GHz
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
120.02 GHz - 122.25 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.562C) SPACE RESEARCH (PASSIVE) 5.138	EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.562C) SPACE RESEARCH (PASSIVE) 5.138	Non-specific SRDs	ERC/REC 70-03	EN 305 550	Within the band 122-123 GHz
		Passive sensors (satellite)			Passive sensing as part of the oxygen absorption band with peak at 118.75 GHz
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
122.25 GHz - 123 GHz					
FIXED INTER-SATELLITE MOBILE (5.558) Amateur 5.138	FIXED INTER-SATELLITE MOBILE (5.558) Amateur Amateur-satellite 5.138	Amateur			
		Amateur-satellite			
		Non-specific SRDs	ERC/REC 70-03	EN 305 550	Within the band 122-123 GHz
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
123 GHz - 130 GHz					
FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE-SATELLITE (SPACE-TO-EARTH) RADIONAVIGATION RADIONAVIGATION-SATELLITE Radio astronomy 5.149 5.554	FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE-SATELLITE (SPACE-TO-EARTH) RADIONAVIGATION RADIONAVIGATION-SATELLITE Radio astronomy 5.149 5.554	Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
130 GHz - 134 GHz					
EARTH EXPLORATION-SATELLITE (ACTIVE) (5.562E) FIXED INTER-SATELLITE MOBILE (5.558) RADIO ASTRONOMY 5.149 5.562A	EARTH EXPLORATION-SATELLITE (ACTIVE) (5.562E) FIXED INTER-SATELLITE MOBILE (5.558) RADIO ASTRONOMY 5.149 5.562A	Fixed	ECC/REC/(18)01		
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
134 GHz - 136 GHz					
AMATEUR AMATEUR-SATELLITE Radio astronomy	AMATEUR AMATEUR-SATELLITE Radio astronomy	Amateur			Within the band 134-141 GHz
		Amateur-satellite			Within the band 134-141 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
136 GHz - 141 GHz					
RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.149	RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.149	Amateur			Within the band 134-141 GHz
		Amateur-satellite			Within the band 134-141 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
141 GHz - 148.5 GHz					
FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION 5.149	FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION 5.149	Fixed	ECC/REC/(18)01		
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
148.5 GHz - 151.5 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			Harmonised reference window for passive sensor observations
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
151.5 GHz - 155.5 GHz					
FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION 5.149	FIXED MOBILE RADIO ASTRONOMY RADIOLOCATION 5.149	Fixed	ECC/REC/(18)01		
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
155.5 GHz - 158.5 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) (5.562B) 5.149	EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) (5.562B) 5.149	Fixed	ECC/REC/(18)01		
		Passive sensors (satellite)			Protection until 1.1.2018
		Radio astronomy			Spectral line and wide band continuum observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
158.5 GHz - 164 GHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH)	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE MOBILE-SATELLITE (SPACE-TO-EARTH)	Fixed	ECC/REC/(18)01		
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	

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RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
164 GHz - 167 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			Passive sensing of the water vapour absorption line whose peak is at 183.31 GHz. Atmospheric limb sounding of the 164.38 GHz CO line
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
167 GHz - 174.5 GHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) INTER-SATELLITE MOBILE (5.558) 5.149	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) INTER-SATELLITE MOBILE (5.558) 5.149	Fixed	ECC/REC/(18)01		
		Radio astronomy			Within the band 168-174.5 GHz. Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
174.5 GHz - 174.8 GHz					
FIXED INTER-SATELLITE MOBILE (5.558)	FIXED INTER-SATELLITE MOBILE (5.558)	Fixed	ECC/REC/(18)01		
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
174.8 GHz - 182 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.562H) SPACE RESEARCH (PASSIVE)	EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.562H) SPACE RESEARCH (PASSIVE)	Passive sensors (satellite)			Passive sensing of the water vapour absorption line whose peak is at 183.31 GHz
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
182 GHz - 185 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			Passive sensing of the water vapour absorption line whose peak is at 183.31 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
185 GHz - 190 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.562H) SPACE RESEARCH (PASSIVE)	EARTH EXPLORATION-SATELLITE (PASSIVE) INTER-SATELLITE (5.562H) SPACE RESEARCH (PASSIVE)	Passive sensors (satellite)			Passive sensing of the water vapour absorption line whose peak is at 183.31 GHz
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
190 GHz - 191.8 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) SPACE RESEARCH (PASSIVE) 5.340	EARTH EXPLORATION-SATELLITE (PASSIVE) SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			Passive sensing of the water vapour absorption line whose peak is at 183.31 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
191.8 GHz - 200 GHz					
FIXED INTER-SATELLITE MOBILE (5.558) MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.149 5.341 5.554	FIXED INTER-SATELLITE MOBILE (5.558) MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.149 5.341 5.554	Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
200 GHz - 202 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341 5.563A	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341 5.563A	Earth exploration-satellite			(EESS) Atmospheric limb sounding and atmospheric remote sensing of nitrous oxide at 201 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
202 GHz - 209 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341 5.563A	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.341 5.563A	Earth exploration-satellite			(EESS) Atmospheric limb sounding and atmospheric remote sensing of water vapour at 203.4 GHz and ozone at 208.5 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
209 GHz - 217 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE RADIO ASTRONOMY 5.149 5.341	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE RADIO ASTRONOMY 5.149 5.341	Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
217 GHz - 226 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) (5.562B) 5.149 5.341	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) (5.562B) 5.149 5.341	Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
226 GHz - 231.5 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340	Passive sensors (satellite)			Atmospheric limb sounding. Reference window for higher frequency water vapour measurements
		Radio astronomy			Continuum and spectral line observations (e.g. CO line), VLBI
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
231.5 GHz - 232 GHz					
FIXED MOBILE Radiolocation	FIXED MOBILE Radiolocation	Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
232 GHz - 235 GHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE Radiolocation	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE Radiolocation	Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
235 GHz - 238 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) (5.563AA) FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE SPACE RESEARCH (PASSIVE) 5.563A 5.563B	EARTH EXPLORATION-SATELLITE (PASSIVE) (5.563AA) FIXED-SATELLITE (SPACE-TO-EARTH) SPACE RESEARCH (PASSIVE) 5.563A 5.563B	Passive sensors (satellite)			Passive sensing limited to microwave sounding
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
238 GHz - 239.2 GHz					
FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE	FIXED FIXED-SATELLITE (SPACE-TO-EARTH) MOBILE RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE	Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
239.2 GHz - 240 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) FIXED-SATELLITE (SPACE-TO-EARTH) RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE	FIXED-SATELLITE (SPACE-TO-EARTH) RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE	Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
240 GHz - 241 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIOLOCATION	RADIOLOCATION	Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
241 GHz - 242.2 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.149	RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.138 5.149	Amateur			
		Amateur-satellite			Within the band 241-250 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
242.2 GHz - 244.2 GHz					
RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.138 5.149	RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.138 5.149	Amateur			
		Amateur-satellite			
		Non-specific SRDs	ERC/REC 70-03	EN 305 550	Within the band 244-246 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
244.2 GHz - 247.2 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite (5.138 5.149) 5.138 5.149	RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.138 5.149	Amateur			
		Amateur-satellite			
		Non-specific SRDs	ERC/REC 70-03	EN 305 550	Within the band 244-246 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
247.2 GHz - 248 GHz					
RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.149	RADIO ASTRONOMY RADIOLOCATION Amateur Amateur-satellite 5.138 5.149	Amateur			
		Amateur-satellite			
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
248 GHz - 250 GHz					
AMATEUR AMATEUR-SATELLITE Radio astronomy 5.149	AMATEUR AMATEUR-SATELLITE Radio astronomy 5.149	Amateur			
		Amateur-satellite			Within the band 241-250 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	

Annex 1 - ECA Table

RR Region 1 Allocation	*European Common Allocation*	*Application*	*CEPT deliverable*	*Standard*	*Notes*
250 GHz - 252 GHz					
EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.563A	EARTH EXPLORATION-SATELLITE (PASSIVE) RADIO ASTRONOMY SPACE RESEARCH (PASSIVE) 5.340 5.563A	Earth exploration-satellite			(EESS) Limb sounding of nitrous oxide near 251 GHz
		Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	
252 GHz - 265 GHz					
FIXED MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) RADIO ASTRONOMY RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.149 5.554	FIXED MOBILE MOBILE-SATELLITE (EARTH-TO-SPACE) RADIO ASTRONOMY RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.149 5.554	Radio astronomy			Continuum and spectral line observations
		Radiodetermination applications	ECC/DEC/(22)03 ERC/REC 70-03	EN 305 550	within frequency range 116-260 GHz
265 GHz - 275 GHz					
FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE RADIO ASTRONOMY 5.149 5.563A	FIXED FIXED-SATELLITE (EARTH-TO-SPACE) MOBILE RADIO ASTRONOMY 5.149 5.563A	Radio astronomy			Continuum and spectral line observations
275 GHz - 3000 GHz					
Not allocated 5.564A 5.565	Not allocated 5.564A 5.565	Fixed			Within the frequency bands 275-296 GHz, 306-313 GHz, 318-333 GHz and 356-450 GHz
		Land mobile			Within the frequency bands 275-296 GHz, 306-313 GHz, 318-333 GHz and 356-450 GHz

Annex 4 - CEPT deliverables (relevant ECC/ERC Decisions and Recommendations)

ECC/DEC/(25)02 Low power devices communicating with satellites (LPD-S) within the frequency range 862-870 MHz

ECC/DEC/(25)01 Designation of the frequency bands used by the Global Navigation Satellite System, Galileo, and Technical and operational measures for the use of the frequency band 1258-1300 MHz by the amateur and amateur-satellite services in order to protect the radionavigation-satellite service (space-to-Earth)

ECC/DEC/(24)01 Harmonised technical conditions for the shared use of the 3800-4200 MHz frequency band by low/medium power terrestrial wireless broadband systems (WBB LMP) providing local-area network connectivity

ECC/DEC/(23)01 On the use of the band 40.5-42.5 GHz by earth stations in the fixed-satellite service (space-to-Earth) and broadcasting-satellite service and on the use of the band 42.5-43.5 GHz by earth stations in the fixed-satellite service (Earth-to-space)

ECC/DEC/(22)07 Harmonised technical conditions for the usage of aerial UE for communications based on LTE and 5G NR in the bands 703-733 MHz, 832-862 MHz, 880-915 MHz, 1710-1785 MHz, 1920-1980 MHz, 2500-2570 MHz and 2570-2620 MHz harmonised for MFCN

ECC/DEC/(22)06 Harmonised technical conditions for Mobile/Fixed Communications Networks (MFCN) in the band 40.5-43.5 GHz

ECC/DEC/(22)03 Technical characteristics, exemption from individual licensing and free circulation and use of specific radiodetermination applications in the frequency range 116-260 GHz

ECC/DEC/(22)02 Regulation to operate Autonomous Maritime Radio Devices (AMRD) in CEPT

ECC/DEC/(22)01 Free circulation and use of Mobile/Fixed Communication Networks (MFCN) terminals operating under the control of terrestrial networks

ECC/DEC/(21)02 The harmonised frequency band 76-77 GHz, technical characteristics, exemption from individual licensing and free circulation and use of High Definition Ground Based Synthetic Aperture Radar (HD-GBSAR)

ECC/DEC/(21)01 The use of the bands 47.2-50.2 GHz and 50.4-52.4 GHz by the fixed-satellite service (Earth-to-space)

ECC/DEC/(20)02 Harmonised use of the paired frequency bands 874.4-880.0 MHz and 919.4-925.0 MHz and of the unpaired frequency band 1900-1910 MHz for Railway Mobile Radio (RMR)

ECC/DEC/(20)01 On the harmonised use of the frequency band 5945-6425 MHz for Wireless Access Systems including Radio Local Area Networks (WAS/RLAN)

ECC/DEC/(19)04 The harmonised use of spectrum, free circulation and use of earth stations on-board aircraft operating with GSO FSS networks and NGSO FSS systems in the frequency bands 12.75-13.25 GHz (Earth-to-space) and 10.7-12.75 GHz (space-to-Earth)

ECC/DEC/(19)03 Harmonised usage of the channels of the Radio Regulations Appendix 18 (Table of transmitting frequencies in the VHF maritime mobile band)

ECC/DEC/(19)02 Land mobile systems in the frequency ranges 68-87.5 MHz, 146-174 MHz, 406.1-410 MHz, 410-430 MHz, 440-450 MHz and 450-470 MHz

ECC/DEC/(18)06 The harmonised technical conditions for Mobile/Fixed Communications Networks (MFCN) in the band 24.25-27.5 GHz

ECC/DEC/(18)05 The harmonised use, exemption from individual licensing and free circulation and use of Earth Stations In-Motion (ESIM) operating with NGSO FSS satellite systems in the frequency bands 10.7-12.75 GHz and 14.0-14.5 GHz

Annex 4 - CEPT deliverables (relevant ECC/ERC Decisions and Recommendations)

ECC/DEC/(18)04 The harmonised use, exemption from individual licensing and free circulation and use of land based Earth Stations In-Motion (ESIM) operating with GSO FSS satellite systems in the frequency bands 10.7-12.75 GHz and 14.0-14.5 GHz

ECC/DEC/(17)06 The harmonised use of the frequency bands 1427-1452 MHz and 1492-1518 MHz for Mobile/Fixed Communications Networks Supplemental Downlink (MFCN SDL)

ECC/DEC/(17)04 The harmonised use and exemption from individual licensing of fixed earth stations operating with NGSO FSS satellite systems in the frequency bands 10.7-12.75 GHz and 14.0-14.5 GHz

ECC/DEC/(16)02 Harmonised technical conditions and frequency bands for the implementation of Broadband Public Protection and Disaster Relief (BB-PPDR) systems

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/(15)05 The harmonised frequency range 446.0-446.2 MHz, technical characteristics, exemption from individual licensing and free carriage and use of analogue and digital PMR 446 applications

ECC/DEC/(15)04 The harmonised use, free circulation and exemption from individual licensing of Land, Maritime and Aeronautical Earth Stations On Mobile Platforms (ESOMPs) operating with NGSO FSS satellite systems in the frequency ranges 17.3-20.2 GHz, 27.5-29.1 GHz and 29.5-30.0 GHz

ECC/DEC/(15)01 The harmonised technical conditions for mobile/fixed communications networks (MFCN) in the band 694-790 MHz including a paired frequency arrangement (Frequency Division Duplex 2x30 MHz) and an optional unpaired frequency arrangement (Supplemental Downlink)

ECC/DEC/(14)02 The harmonised technical and regulatory conditions for the use of the band 2300-2400 MHz for Mobile/Fixed Communications Networks (MFCN)

ECC/DEC/(13)03 The harmonised use of the frequency band 1452-1492 MHz for Mobile/Fixed Communications Networks Supplemental Downlink (MFCN SDL)

ECC/DEC/(13)01 The use, free circulation, and exemption from individual licensing of Earth stations on mobile platforms (ESOMPs) in the frequency bands available for use by uncoordinated FSS Earth stations within the ranges 17.3-20.2 GHz and 27.5-30.0 GHz

ECC/DEC/(12)03 The harmonised conditions for UWB applications onboard aircraft

ECC/DEC/(12)01 Exemption from individual licensing and free circulation and use of satellite mobile terminals operating under the control of networks in the range 1 to 3 GHz

ECC/DEC/(11)06 The harmonised frequency arrangements and Least Restrictive Technical Conditions (LRTCs) for Mobile/Fixed Communications Networks (MFCN) operating in the band 3400-3800 MHz

ECC/DEC/(11)03 The harmonised use of frequencies for Citizen' Band (CB) radio equipment

ECC/DEC/(11)02 Industrial Level Probing Radars (LPR) operating in frequency bands 6 - 8.5 GHz, 24.05 - 26.5 GHz, 57 - 64 GHz and 75 - 85 GHz

ECC/DEC/(11)01 The protection of the Earth exploration satellite service (passive) in the 1400-1427 MHz band

ECC/DEC/(10)02 Compatibility between the fixed satellite service in the 30-31 GHz band and the Earth exploration satellite service (passive) in the 31.3-31.5 GHz band

Annex 4 - CEPT deliverables (relevant ECC/ERC Decisions and Recommendations)

ECC/DEC/(10)01 Sharing conditions in the 10.6-10.68 GHz band between the fixed service, mobile service and Earth exploration satellite service (passive)

ECC/DEC/(09)04 Exemption from individual licensing and the free circulation and use of transmit-only mobile satellite terminals operating in the Mobile-Satellite Service allocations in the 1613.8-1626.5 MHz band

ECC/DEC/(09)03 Harmonised conditions for Mobile/Fixed Communications Networks (MFCN) operating in the band 791-862 MHz

ECC/DEC/(09)02 The harmonisation of the bands 1610-1626.5 MHz and 2483.5-2500 MHz for use by systems in the Mobile-Satellite Service

ECC/DEC/(09)01 Harmonised use of the 63.72-65.88 GHz frequency band for Intelligent Transport Systems (ITS)

ECC/DEC/(08)08 The harmonised use of GSM systems in the 900 MHz and 1800 MHz bands, UMTS systems in the 2 GHz band and LTE and 5G NR non-AAS systems in the 1800 MHz and 2.6 GHz (FDD) bands on board vessels

ECC/DEC/(08)05 The harmonisation of frequency bands for the implementation of digital Public Protection and Disaster Relief (PPDR) radio applications in bands within the 380-470 MHz range

ECC/DEC/(08)01 The harmonised use of Safety-Related Intelligent Transport Systems (ITS) in the 5875-5935 MHz frequency band

ECC/DEC/(07)01 The harmonised use, exemption from individual licensing and free circulation of Material Sensing Devices using Ultra-Wideband (UWB) technology

ECC/DEC/(06)13 Harmonised technical conditions for mobile/fixed communications networks (MFCN) including terrestrial IMT systems, other than GSM and EC-GSM IoT, in the bands 880-915/925-960 MHz and 1710-1785/1805-1880 MHz

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

ECC/DEC/(06)09 The designation of the bands 1980-2010 MHz and 2170-2200 MHz for use by systems in the Mobile-Satellite Service including those supplemented by a Complementary Ground Component (CGC)

ECC/DEC/(06)07 The harmonised use of airborne GSM and LTE systems in the frequency bands 1710-1785 and 1805-1880 MHz, and airborne UMTS systems in the frequency bands 1920-1980 MHz and 2110-2170 MHz

ECC/DEC/(06)05 The harmonised frequency bands to be designated for Air-Ground-Air operation (AGA) of the Digital Land Mobile Systems for the Emergency Services

ECC/DEC/(06)04 The harmonised use, exemption from individual licensing and free circulation of devices using Ultra-Wideband (UWB) technology in bands below 10.6 GHz

ECC/DEC/(06)03 Exemption from Individual Licensing of high e.i.r.p. satellite terminals (HEST) operating with geostationary satellites and in the frequency bands 10.70-12.75 GHz or 19.70-20.20 GHz space-to-Earth and 14.00-14.25 GHz or 29.50-30.00 GHz Earth-to-space

ECC/DEC/(06)01 The harmonised utilisation of the bands 1920-1980 MHz and 2110-2170 MHz for mobile/fixed communications networks (MFCN) including terrestrial IMT systems

Annex 4 - CEPT deliverables (relevant ECC/ERC Decisions and Recommendations)

ECC/DEC/(05)11	The free circulation and use of Aircraft Earth Stations (AES) in the frequency bands 14-14.5 GHz (Earth-to-space), 10.7-11.7GHz (space-to-Earth) and 12.5-12.75 GHz (space-to-Earth)
ECC/DEC/(05)10	The free circulation and use of Earth Stations on board Vessels operating in fixed satellite service networks in the frequency bands 14-14.5 GHz (Earth-to-space), 10.7-11.7 GHz (space-to-Earth) and 12.5-12.75 GHz (space-to-Earth)
ECC/DEC/(05)09	The free circulation and use of Earth Stations on board Vessels operating in Fixed Satellite service networks in the frequency bands 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth)
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/(05)05	Harmonised utilisation of spectrum for Mobile/Fixed Communications Networks (MFCN) operating within the band 2500-2690 MHz
ECC/DEC/(05)02	A harmonised frequency plan for the use of the band 169.4-169.8125 MHz
ECC/DEC/(05)01	The use of the band 27.5-29.5 GHz by the Fixed Service and uncoordinated Earth stations of the Fixed-Satellite Service (Earth-to-space)
ECC/DEC/(04)10	The frequency bands to be designated for the temporary introduction of Automotive Short Range Radars (SRR)
ECC/DEC/(04)09	Designation of the bands 1518-1525 MHz and 1670-1675 MHz for the Mobile Satellitte Service
ECC/DEC/(04)08	The harmonised use of the 5 GHz frequency bands for Wireless Access Systems including Radio Local Area Networks (WAS/RLAN)
ECC/DEC/(04)03	The frequency band 77-81 GHz to be designated for the use of Automotive Short Range Radars
ECC/DEC/(03)04	The Exemption from Individual Licensing of Very Small Aperture Terminals (VSAT) operating in the frequency bands 14.25 - 14.50 GHz Earth-to-space and 10.70-11.70 GHz space-to-Earth
ERC/DEC/(99)06	The harmonised introduction of satellite personal communication systems operating in the bands below 1 GHz (S-PCS<1GHz)
ERC/DEC/(99)05	Free Circulation, Use and Exemption from Individual Licensing of Mobile Earth Stations.(S-PCS < 1GHz)
ERC/DEC/(98)22	Exemption from individual licensing and free circulation and use of DECT equipment
ERC/DEC/(97)02	The extended frequency bands to be used for the GSM Digital Pan-European Communications system
ERC/DEC/(95)03	The frequency bands to be designated for the introduction of DCS 1800
ERC/DEC/(94)03	The frequency band to be designated for the coordinated introduction of the Digital European Cordless Telecommunications system
ERC/DEC/(94)01	The frequency bands to be designated for the coordinated introduction of the GSM digital pan-European communications system
ERC/DEC/(01)19	Harmonised frequency bands to be designated for the Direct Mode Operation (DMO) of the Digital Land Mobile Systems for the Emergency Services
ERC/DEC/(01)17	Harmonised frequencies, technical characteristics and exemption from individual licensing of Ultra Low Power Active Medical Implant (ULP-AMI) communication systems operating in the frequency band 401 - 406 MHz on a secondary basis

Annex 4 - CEPT deliverables (relevant ECC/ERC Decisions and Recommendations)

ERC/DEC/(01)12 Harmonised frequencies, technical characteristics and exemption from individual licensing of Short Range Devices used for Model control operating in the frequencies 40.665, 40.675, 40.685 and 40.695 MHz

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

ERC/DEC/(00)08 The use of the band 10.7 - 12.5 GHz by the fixed service and Earth stations of the broadcasting-satellite and fixed-satellite Service (space-to-Earth)

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/DEC/(00)02 Use of the band 37.5-39.5 GHz by the fixed service and by earth stations of the fixed-satellite service (space-to-Earth) and use of the band 39.5-40.5 GHz by earth stations of the fixed-satellite service and the mobile-satellite service (space-to-Earth)

ECC/REC/(26)02 of 5 June 2026 on Guidelines for the coexistence between low and medium power terrestrial wireless broadband systems (WBB LMP) in the 3800-4200 MHz band and radio altimeters in the 4200-4400 MHz band, and the protection of radio altimeters when deploying medium power AAS base stations in the 4100-4200 MHz band

ECC/REC/(25)03 Guidelines for the protection of FS and FSS and their future deployment when introducing low and medium power terrestrial wireless broadband systems (WBB LMP) in the 3800-4200 MHz frequency band, also considering cross border situations

ECC/REC/(25)02 Cross-border coordination for Railway Mobile Radio (RMR) in the 900 MHz frequency band excluding GSM-R vs. GSM-R

ECC/REC/(24)03 Licensing of earth stations for space tracking, space telemetry and space telecommand in the bands 2025-2110 MHz (Earth-to-space) and 2200-2290 MHz (space-to-Earth)

ECC/REC/(24)02 Guidance for the use of governmental UAS operating within the frequency bands 1880-1900 MHz and 1910-1920 MHz

ECC/REC/(23)02 Cross-border coordination for Mobile/Fixed Communications Networks (MFCN) in the frequency band 24.25-27.5 GHz

ECC/REC/(23)01 Cross-border coordination for Railway Mobile Radio (RMR) in the 1900-1910 MHz TDD frequency band

ECC/REC/(22)02 Guidelines on measures to facilitate compatibility between MFCN operating in 40.5-43.5 GHz and FSS earth stations receiving in 39.5-40.5 GHz and to prevent and/or resolve interference issues

ECC/REC/(22)01 Guidelines to support the introduction of MFCN in 40.5-43.5 GHz while ensuring, in a proportionate way, the use of FSS receiving earth stations in the frequency band 40.5-42.5 GHz and the use of FSS transmitting earth stations in the frequency band 42.5-43.5 GHz and the possibility for future deployment of these earth stations

ECC/REC/(21)02 Guidance on the application of the least restrictive technical conditions (LRTC) in ECC Decision (11)06 (amended 26 October 2018) to ensure protection of the military radiolocation systems operating below 3400 MHz from indoor non-AAS small cells operating in the band 3400-3800 MHz

ECC/REC/(20)03 Frame structures to facilitate cross-border coordination of TDD MFCN in the frequency band 3400-3800 MHz

Annex 4 - CEPT deliverables (relevant ECC/ERC Decisions and Recommendations)

ECC/REC/(20)01	Guidelines to support the introduction of 5G while ensuring, in a proportionate way, the use of existing and planned FSS transmitting earth stations in the frequency band 24.65-25.25 GHz and the possibility for future deployment of these earth stations
ECC/REC/(19)01	Technical toolkit to support the introduction of 5G while ensuring, in a proportionate way, the use of existing and planned EESS/SRS receiving earth stations in the 26 GHz band and the possibility for future deployment of these earth stations
ECC/REC/(18)02	Radio frequency channel/block arrangements for fixed service systems operating in the bands 92-94 GHz, 94.1-100 GHz, 102-109.5 GHz and 111.8-114.25 GHz
ECC/REC/(18)01	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/REC/(17)03	Guidance for the harmonised use and coordination of Maritime Broadband Radio (MBR) systems on board ships and off-shore platforms operating within the frequency bands 5852-5872 MHz and 5880-5900 MHz
ECC/REC/(16)03	Cross-border coordination for Broadband Public Protection and Disaster Relief (BB-PPDR) systems in the frequency band 698 to 791 MHz
ECC/REC/(15)04	Guidance for the implementation of a sharing framework between MFCN and PMSE within 2300-2400 MHz
ECC/REC/(15)01	Cross-border coordination for Mobile/Fixed Communications Networks (MFCN) in the frequency bands: 694-790 MHz, 1427-1518 MHz and 3400-3800 MHz
ECC/REC/(14)06	Implementation of Fixed Service Point-to-Point narrow channels (3.5 MHz, 1.75 MHz, 0.5 MHz, 0.25 MHz, 0.025 MHz) in the guard bands and center gaps of the lower 6 GHz (5925-6425 MHz) and upper 6 GHz (6425-7125 MHz) bands
ECC/REC/(14)04	Cross-border coordination for mobile/fixed communications networks (MFCN) and between MFCN and other systems in the frequency band 2300-2400 MHz
ECC/REC/(11)10	Location Tracking Application for emergency and disaster situations
ECC/REC/(11)09	UWB Location Tracking Systems Type 2 (LT2)
ECC/REC/(11)05	Cross-border Coordination for Mobile/Fixed Communications Networks (MFCN) in the frequency band 2500-2690 MHz
ECC/REC/(11)04	Cross-border Coordination for Mobile/Fixed Communications Networks (MFCN) in the frequency band 791-862 MHz
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
ECC/REC/(10)02	A framework for authorisation regime of Global Navigation Satellite System (GNSS) repeaters
ECC/REC/(10)01	Guidelines for compatibility between Complementary Ground Components (CGC) operating in the band 2170-2200 MHz and EESS/SOS/SRS earth stations operating in the band 2200-2290 MHz
ECC/REC/(08)04	The identification of frequency bands for the implementation of Broad Band Disaster Relief (BBDR) radio applications in the 5 GHz frequency range
ECC/REC/(08)02	Cross-border coordination for Mobile/Fixed Communications Networks (MFCN) in the frequency bands 900 MHz and 1800 MHz (excluding GSM vs. GSM)
ECC/REC/(08)01	Use of the band 5855-5875 MHz for non-safety related Road Intelligent Transport Systems (ITS)

Annex 4 - CEPT deliverables (relevant ECC/ERC Decisions and Recommendations)

ECC/REC/(06)04	Use of the band 5725-5875 MHz for Broadband Fixed Wireless Access (BFWA)
ECC/REC/(05)08	Frequency planning and cross-border coordination between GSM Land Mobile Systems (GSM 900, GSM 1800 and GSM-R)
ECC/REC/(05)07	Radio frequency channel arrangements for Fixed Service Systems operating in the bands 71-76 GHz and 81-86 GHz
ECC/REC/(02)09	Protection of Aeronautical Radio Navigation Service in the band 2700-2900 MHz from interference caused by the operation of Digital Cordless Cameras
ECC/REC/(02)06	Preferred channel arrangements for digital Fixed Service Systems operating in the frequency range 7125-8500 MHz
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
ECC/REC/(01)04	Radio frequency channel arrangements for point-to-point (P-P) fixed wireless systems in the frequency band 40.5 - 43.5 GHz
ERC/REC/(01)02	Preferred channel arrangement for digital FS systems operating in the band 31.8-33.4 GHz
ERC/REC/(00)04	Harmonised frequencies and free circulation and use for meteor scatter applications
ERC/REC 70-03	Relating to the Use of Short Range Devices (SRD)
ERC/REC 62-02	Harmonised frequency band for civil and military airborne telemetry applications
ERC/REC 25-10	Frequency ranges for the use of terrestrial audio and video Programme Making and Special Events (PMSE) applications
ERC/REC 14-02	Radio-frequency channel arrangements for high, medium and low capacity digital Fixed Service systems operating in the band 6425-7125 MHz
ERC/REC 14-01	Radio-frequency channel arrangements for high capacity analogue and digital radio-relay systems operating in the band 5925 to 6425 MHz
ERC/REC 13-03	The use of the band 14.0 - 14.5 GHz for Very Small Aperture Terminals (VSAT) and Satellite News Gathering (SNG)
ERC/REC 12-12	Radio frequency channel arrangement for fixed service systems operating in the band 55.78-57.0 GHz (as amended in 2015)
ERC/REC 12-11	Radio frequency channel arrangements for Fixed Service systems operating in the bands 48.5-50.2 / 50.9-52.6 GHz
ERC/REC 12-08	Harmonised radio frequency channel arrangements and block allocations for low, medium and high capacity systems in the band 3600 MHz to 4200 MHz
ERC/REC 12-07	Harmonised radio frequency channel arrangements for digital terrestrial fixed systems operating in the band 14.5 - 14.62 GHz paired with 15.23 - 15.35 GHz
ERC/REC 12-06	Preferred channel arrangements for fixed service systems operating in the frequency band 10.7-11.7 GHz
ERC/REC 12-05	Harmonised radio frequency channel arrangements for digital terrestrial fixed systems operating in the band 10.0 - 10.68 GHz
ERC/REC 12-03	Harmonised radio frequency channel arrangements for digital terrestrial fixed systems operating in the band 17.7 GHz to 19.7 GHz
ERC/REC 12-02	Harmonised radio frequency channel arrangements for analogue and digital terrestrial fixed systems operating in the band 12.75 GHz to 13.25 GHz

Annex 4 - CEPT deliverables (relevant ECC/ERC Decisions and Recommendations)

ERC/REC 01-01	Cross-border coordination for mobile/fixed communications networks (MFCN) in the frequency bands: 1920-1980 MHz and 2110-2170 MHz
T/R 25-08	Planning criteria and cross-border coordination of frequencies for land mobile systems in the range 29.7-470 MHz
T/R 13-02	Preferred channel arrangements for fixed service systems in the frequency range 22.0-29.5 GHz
T/R 13-01	Preferred channel arrangements for fixed service systems operating in the frequency range 1-2-3 GHz
T/R 12-01	Harmonised radio frequency channel arrangements for analogue/digital terrestrial FS operating in 37-39.5 GHz

Annex 5 - European Standards

EN 300 065	Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX)
EN 300 066	Float-free maritime satellite Emergency Position Indicating Radio Beacons (EPIRBs) operating in the 406,0 MHz to 406,1 MHz frequency band
EN 300 086	Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech
EN 300 113	Land Mobile Service; Radio equipment intended for the transmission of data (and speech) and having an antenna connector
EN 300 152	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 300 162	Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands
EN 300 219	Land Mobile Service; Radio equipment transmitting signals to initiate a specific response in the receiver
EN 300 220	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz
EN 300 224	On-site paging service
EN 300 296	Land Mobile Service; Radio equipment using integral antennas intended primarily for analogue speech
EN 300 328	Wideband Transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using spread spectrum modulation techniques
EN 300 330	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
EN 300 338	Radio equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service
EN 300 341	Land Mobile Service; Radio equipment using an integral antenna transmitting signals to initiate a specific response in the receiver
EN 300 390	Land Mobile Service; Radio equipment intended for the transmission of data (and speech) and using an integral antenna
EN 300 422	Wireless Microphones; Audio PMSE up to 3 GHz; Audio PMSE Equipment up to 3 GHz; part 1 and 4
EN 300 433	Citizens' Band (CB) radio equipment
EN 300 440	Radio equipment to be used in the 1 to 40 GHz frequency range
EN 300 454	Wide band audio links
EN 300 471	Rules for Access and the Sharing of common used channels by equipment complying with EN 300 113
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; Part 2: Harmonised Standard for access to radio spectrum; Sub-part 2: On-Board Units (OBU)
EN 300 676	Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation

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EN 300 698	Radio telephone transmitters and receivers for the maritime mobile service operating in the VHF bands used on inland waterways
EN 300 718	Avalanche Beacons; Transmitter-receiver systems
EN 300 720	Ultra-High Frequency (UHF) on-board vessels communications systems and equipment
EN 301 025	VHF radiotelephone equipment for general communications and associated equipment for Class "D" Digital Selective Calling (DSC)
EN 301 091	Radar equipment operating in the 76 GHz to 77 GHz range
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
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)
EN 301 357	Cordless audio devices in the range 25 MHz to 2000 MHz
EN 301 406	Digital Enhanced Cordless Telecommunications (DECT)
EN 301 426	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 1.5/1.6 GHz frequency bands
EN 301 427	Low data rate Mobile satellite Earth Stations (MESs) except aeronautical mobile satellite earth stations, operating in the 11/12/14 GHz frequency bands
EN 301 428	Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands
EN 301 430	Satellite News Gathering Transportable Earth Stations (SNG TES) operating in the 11-12/13-14 GHz frequency bands
EN 301 441	Handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 1,6/2,4 GHz bands under the Mobile Satellite Service (MSS)
EN 301 442	Handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 2.0 GHz bands under the Mobile Satellite Service (MSS)
EN 301 443	Harmonised Standard 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
EN 301 444	LMES operating in the 1.5 GHz and 1.6 GHz bands providing voice and/or data communications
EN 301 447	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 301 449	Electromagnetic compatibility and Radio spectrum Matters (ERM); Harmonized EN for CDMA spread spectrum base stations operating in the 450 MHz cellular band (CDMA 450) and 410, 450 and 870 MHz PAMR bands (CDMA-PAMR) covering essential requirements of article 3.2 of the R&TTE Directive
EN 301 459	SIT and SUT transmitting towards satellites in geostationary orbit in the 29.5 to 30.0 GHz frequency bands

Annex 5 - European Standards

EN 301 473	Aircraft Earth Stations (AES) operating below 3 GHz under the 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)
EN 301 502	Global System for Mobile communications (GSM); Base Station and Repeater equipment
EN 301 511	Mobile stations in the GSM 900 and GSM 1800 bands
EN 301 526	Harmonized EN for CDMA spread spectrum mobile stations operating in the 450 MHz cellular band (CDMA 450) and 410, 450 and 870 MHz PAMR bands (CDMA-PAMR) covering essential requirements of article 3.2 of the R&TTE Directive
EN 301 559	Low Power Active Medical Implants (LP-AMI) and associated Peripherals (LP-AMI-P) operating in the frequency range 2 483,5 MHz to 2 500 MHz; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/ EU
EN 301 681	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)
EN 301 721	Providing Low Bit Rate Data Communications (LBRDC) using Low Earth Orbiting (LEO) satellites operating below 1 GHz
EN 301 783	Land Mobile Service; Commercially available amateur radio equipment
EN 301 839	Ultra Low Power Active Medical Implants (ULP-AMI) and Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz
EN 301 841	VHF air-ground Digital Link (VDL) Mode 2; Technical characteristics and methods of measurement for ground-based equipment; Part 3
EN 301 842	VHF air-ground Digital Link (VDL) Mode 4 radio equipment; Technical characteristics and methods of measurement for ground-based equipment; Part 5
EN 301 893	5 GHz WAS/RLAN Harmonised Standard for access to radio spectrum
EN 301 908	IMT cellular networks
EN 301 929	VHF transmitters and receivers as Coast Stations for GMDSS and other appls in the maritime mobile service
EN 302 017	Transmitting equipment for the Amplitude Modulated (AM) sound broadcasting service
EN 302 018	Transmitting equipment for the Frequency Modulated (FM) sound broadcasting service
EN 302 054	Meteorological Aids (Met Aids); Radiosondes to be used in the 400.15 to 406 MHz frequency range with power levels ranging up to 200 mW
EN 302 064	Wireless Digital Video Links operating in the 1,3 GHz to 50 GHz frequency band
EN 302 065	Ultra Wide Band (UWB) technologies (multiple parts)
EN 302 077	Transmitting equipment for the Terrestrial - Digital Audio Broadcasting (T-DAB) service
EN 302 152	Satellite Personal Locator Beacons (PLBs) operating in the 406.0 MHz to 406.1 MHz frequency band
EN 302 186	Satellite mobile Aircraft Earth Stations (AESs) operating in the 11/12/14 GHz frequency bands

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EN 302 194	Electromagnetic compatibility and Radio spectrum Matters (ERM); Navigation radar used on inland waterways
EN 302 195	Radio equipment in the frequency range 9 kHz to 315 kHz for ULP-AMI and accessories
EN 302 208	Radio Frequency Identification Equipment operating in the band 865 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
EN 302 217	Characteristics and requirements for point-to-point equipment and antennas
EN 302 245	Transmitting equipment for the Digital Radio Mondiale (DRM) broadcasting service
EN 302 248	Navigation radar for use on non-SOLAS vessels
EN 302 264	Short Range Radar equipment operating in the 77 GHz to 81 GHz band
EN 302 288	Short range radar equipment operating in the 24 GHz range
EN 302 296	Transmitting equipment for the digital television broadcast service, Terrestrial (DVB-T)
EN 302 326	Multipoint Equipment and Antennas
EN 302 340	Harmonised Standard 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 the essential requirements of article 3.2 of the Directive 2014/53/EU
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 302 426	Harmonized EN for CDMA spread spectrum Repeaters operating in the 450 MHz cellular band (CDMA450) and the 410 MHz, 450 MHz and 870 MHz PAMR bands (CDMA-PAMR) covering essential requirements of article 3.2 of the R&TTE Directive
EN 302 448	Earth Stations on Trains (ESTs) operating in the 14/12 GHz frequency bands
EN 302 454	Radiosondes to be used in the 1 668.4 MHz to 1 690 MHz frequency range
EN 302 480	GSM onboard aircraft system
EN 302 502	Broadband Radio Access Networks (BRAN); 5800 MHz fixed broadband data transmitting systems
EN 302 510	Radio equipment in the range 30-37.5 MHz for Ultra Low Power Active Medical Membrane Implants and Accessories
EN 302 536	Radio equipment operating in the frequency range 315 kHz to 600 kHz for Ultra Low Power Animal Implantable Devices (ULP-AID) and associated peripherals
EN 302 537	Ultra Low Power Medical Data Service Systems operating in the frequency range 401-402 MHz and 405-406 MHz
EN 302 561	Radio equipment using constant or non-constant envelope modulation operating in a channel bandwidth of 25 kHz, 50 kHz, 100 kHz or 150 kHz
EN 302 567	60 GHz Multiple-Gigabit WAS/RLAN Systems
EN 302 571	Intelligent Transport Systems (ITS); Radiocommunications equipment operating in the 5855 MHz to 5925 MHz frequency band

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EN 302 574	Satellite earth station for MSS operating in 1980-2010 MHz (E/s) and 2170-2200 MHz (s/E) frequency bands
EN 302 608	Radio equipment for Eurobalise railway systems
EN 302 609	Radio equipment for Euroloop communication systems
EN 302 617	Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation
EN 302 625	5 GHz BroadBand Disaster Relief applications (BBDR)
EN 302 645	Global Navigation Satellite Systems (GNSS) Repeaters
EN 302 686	Intelligent Transport Systems (ITS); Radiocommunications equipment operating in the 63 GHz to 64 GHz frequency band
EN 302 729	LPR equipment operating in the frequency ranges 6.0 GHz to 8.5 GHz, 24.05 GHz to 26.5 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz
EN 302 752	Active Radar Target Enchancers
EN 302 858	Automotive radar equipment operating in the 24.05 GHz up to 24.25 GHz or 24.50 GHz frequency range
EN 302 885	VHF radiotelephone equipment for the maritime mobile service
EN 302 961	Maritime Personal Homing Beacon for search and rescue purposes intended for use on the frequency 121.5 MHz for search and rescue purposes only
EN 302 977	Vehicle-Mounted Earth stations (VMES) operating 14/12 GHz frequency bands
EN 303 039	Land Mobile Service; Multichannel transmitter specification for the PMR Service
EN 303 064	Primary Surveillance Radar (PSR);
EN 303 084	Technical characteristics and methods of measurement for ground-based equipment
EN 303 098	Maritime low power personal locating devices employing AIS
EN 303 132	Maritime low power VHF personal locating beacons employing Digital Selective Calling (DSC)
EN 303 135	Coastal Surveliance, Vessel Traffic Systems and Harbour Radars (CS/VTS/HR)
EN 303 203	Medical Body Area Network Systems (MBANS) operating in the 2483.5 MHz to 2500 MHz range
EN 303 204	Fixed Short Range Devices (SRD) in data networks; Radio equipment to be used in the 870 MHz to 876 MHz frequency range with power levels ranging up to 500 mW e.r.p.; Harmonised Standard for access to the radio spectrum
EN 303 213	Advanced Surface Movement Guidance and Control System (A-SMGCS)
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
EN 303 276	Maritime Broadband Radio (MBR) links for ships and fixed installations engaged in off-shore activities
EN 303 340	Digital Terrestrial TV Broadcast Receivers; Harmonised Standard for access to radio spectrum
EN 303 345	Broadcast Sound Receivers; Part 3: FM broadcast sound service; Harmonised Standard for access to radio spectrum

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EN 303 347	Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 1: Meteorological Radar Sensor operating in the frequency band 2 700 MHz to 2 900 MHz (S band)
EN 303 360	Transport and Traffic Telematics (TTT); for heliborne obstacle detection radars operating in the 76-77 GHz range
EN 303 402	Maritime mobile transmitters and receivers for use in the MF and HF bands
EN 303 405	Analogue and Digital PMR446 Equipment
EN 303 406	Social Alarms Equipment operating in the frequency range 25 MHz to 1000 MHz;
EN 303 413	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
EN 303 447	Short Range Devices (SRD); Inductive loop systems for robotic mowers in the frequency range 0 Hz to 148,5 kHz
EN 303 454	Short Range Devices (SRD); Metal and object detection sensors in the frequency range 1 kHz to 148,5 kHz
EN 303 520	Ultra Low Power (ULP) wireless medical capsule endoscopy devices operating in the band 430 MHz to 440 MHz
EN 303 609	GSM Repeaters
EN 303 659	Short Range Devices (SRD) in Data Networks; Radio equipment to be used in the frequency ranges 865 MHz to 868 MHz and 915 MHz to 919,4 MHz; Harmonised Standard for access to radio spectrum
EN 303 661	Short Range Devices (SRD); Ground Based Synthetic Aperture Radar (GBSAR) in the frequency range 17,1 GHz to 17,3 GHz and High Definition Ground Based Synthetic Aperture Radar (HD-GBSAR) in the frequency range 76 GHz to 77 GHz; Harmonised Standard for access to radio spectrum
EN 303 687	6 GHz WAS/RLAN Harmonised Standard for access to radio spectrum
EN 303 699	Satellite Earth Stations and Systems (SES); Fixed earth stations communicating with non-geostationary satellite systems in the 20 GHz and 30 GHz FSS bands; Harmonised Standard for access to radio spectrum
EN 303 722	Wideband Data Transmission Systems (WDTS) for Fixed Network Radio Equipment operating in the 57 GHz to 71 GHz band
EN 303 753	Wideband Data Transmission Systems (WDTS) for Mobile and Fixed Radio Equipment operating in the 57 - 71 GHz band
EN 303 940	Indoor Millimeter Wave Security Scanners operating in the band 69,8 GHz to 80,5 GHz
EN 303 978	Earth Stations on Mobile Platforms ESOMP transmitting towards satellites in geostationary orbit in the 27.5-30.0 GHz frequency bands
EN 303 979	Fixed Earth Stations and Earth Stations on Mobile Platforms (ESOMPs) transmitting towards satellites in non-geostationary orbit in the 27.5 GHz to 29.1 GHz and 29.5 GHz to 30.0 GHz bands
EN 303 980	Fixed and in-motion Earth Stations communicating with non-geostationary satellite systems in the 11 GHz to 14 GHz frequency bands

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EN 303 981	Satellite Earth Stations and Systems (SES); Fixed and in-motion Wide Band Earth Stations communicating with non-geostationary satellite systems (WBES) in the 11 GHz to 14 GHz frequency bands; Harmonised Standard for access to radio spectrum
EN 304 220	Wideband data transmission SRD; Harmonised Standard for access to radio spectrum; Part 1: Wideband data transmission devices: network access points operating in the frequency bands 863 MHz to 868 MHz and 915,8 MHz to 919,4 MHz
EN 305 550	Short Range Devices (SRD); Radio equipment to be used in the 40 GHz to 246 GHz frequency range

Annex 6 - European Standards for Receive-Only Equipment

EN 300 487	Satellite Earth Stations and Systems (SES); Harmonised Standard for Receive-Only Mobile Earth Stations (ROMES) providing data communications operating in the 1,5 GHz frequency band
EN 303 372	Satellite Earth Stations and Systems (SES); Satellite broadcast reception equipment. Part 1: Outdoor unit receiving in the 10,7 GHz to 12,75 GHz frequency band
EN 303 345	Broadcast Sound Receivers

Annex 7 - List of abbreviations used in the ECA Table

(OR)	Off-Route
(R)	Route
1800	Global System for Mobile Communications using 1800 MHz band
ADS	Automatic Dependant Surveillance (Aeronautical)
AES	Aircraft Earth Stations
AGA	Air Ground Air
AIS	Automatic Identification System
ALS	Assistive Listening Systems
AM	Amplitude Modulation
AMRD	Autonomous Maritime Radio Device
AMS(R)S	Aeronautical Mobile Satellite (Route) Services
APP	Appendix of the ITU Radio Regulations
AVI	Automatic Vehicle Idenfication
BBDR	Broad Band Disaster Relief
BFWA	Broadband Fixed Wireless Access
BMA	Building Material Analysis
BSS	Broadcasting Satellite Service
CB	Citizen Band
CEPT	European Conference of Postal and Telecommunications Administrations
CGC	Complementary Ground Component
CRS	Central Radio Station
CT	Cordless Telephone
DEC	Decision
DECT	Digital Enhanced Cordless Telecommunication
D-GPS	Differential Global Positioning System
DME	Distance Measuring Equipment
DMO	Direct Mode Operation
DRM	Digital Radio Mondiale
DSC	Digital Selective Calling
DSI	Detailed Spectrum Investigation
DVB-T	Terrestrial Digital Video Broadcasting
E/s	Earth-to-space direction
ECA	European Common Allocation
ECC	Electronic Communications Committee

Annex 7 - List of abbreviations used in the ECA Table

ECM	Electronic Countermeasures
ECP	European Common Proposal
EESS	Earth Exploration-Satellite Service
EFIS	European Frequency Information System
EGSM	Extended GSM
EISCAT	European Incoherent SCATter facility
ELT	Emergency locator transmitter
ENG	Electronic News Gathering
EPIRB	Emergency Position-Indicating Radiobeacon
ERC	European Radiocommunications Committee
ERO	European Radiocommunications Office
ESIM	Earth Stations In Motion
ESOMPs	Earth Stations On Mobile Platforms
EST	Earth Stations on Trains
ESV	Earth Stations on-board Vessels
EU	European footnote
FDD	Frequency Division Duplex
FM	Frequency Modulation
FSS	Fixed-Satellite Service
FWA	Fixed Wireless Access
GALILEO	European Global Navigation Satellite System
GBAS	Ground Based Augmentation System
GBSAR	Ground Based Synthetic Aperture Radar
GE06	Geneva 2006 Agreement
GE75	Geneva 1975 Agreement
GE85	Geneva 1985 Agreement
GMDSS	Global Maritime Distress and Safety System
GNSS	Global Navigation Satellite System
GPR/WPR	Ground Probing Radar / Wall Probing Radar
GPS	Global Positioning System
GSM	Global System for Mobile Communications
GSM 1800	Global System for Mobile Communications using 1800 MHz band
GSM-R	GSM for Railways
GSO	GeoStationary Orbit
HAPS	High Altitude Platform Systems

Annex 7 - List of abbreviations used in the ECA Table

HDFS	High Density Fixed Service
HDFSS	High Density Fixed-Satellite Service
HDTV	High Definition Television
HEST	High E.i.r.p. Satellite Terminals
HF	High Frequency
HIPERLAN	High Performance Radio Local Area Network
IALA	International Association of Lighthouse Authorities
IBCN	Integrated Broadband Communications Network
IFF	Identification Friend or Foe
ILS	Instrument Landing System
IMO	International Maritime Organisation
IMT	International Mobile Telecommunications
IMT-2000	International Mobile Telecommunications-2000
IMT-Advanced	Systems beyond IMT-2000
IoT	Internet of Things
ISM	Industrial, Scientific and Medical
ITS	Intelligent Transport Systems
ITU	International Telecommunication Union
JTIDS	Joint Tactical Information Distribution System
LAES	Location Application for Emergency Services
LANs	Local Area Networks
LDC	Low Duty Cycle
LP-AMI	Low Power Active Medical Implants
LPD-S	Low Power Devices communicating with Satellites
LPR	Level Probing Radar
LT2	Location Tracking Type 2
MBANS	Medical Body Area Network Systems
MBR	Maritime Broadband Radio Links
MCA	Mobile Communications Services on Board Aircraft
MCV	Mobile Communication Services on Board Vessels
MES	Mobile Earth Stations
MFCN	Mobile/Fixed Communications Networks
MIDS	Multifunctional Information Distribution System
MLS	Microwave Landing System
MSI	Maritime Safety Information

Annex 7 - List of abbreviations used in the ECA Table

MSS	Mobile-Satellite Service
MWS	Multimedia Wireless System
NATO	North Atlantic Treaty Organisation
NAVTEX	Narrow-band direct-printing telegraphy system for transmission of navigational and meteorological warnings and urgent information to ships
NDB	Non-Directional Beacon
NGSO	Non-GeoStationary Orbit
NJFA	NATO Joint Civil/Military Frequency Agreement
NMR	Nuclear Magnetic Resonance
NTFA	National Table of Frequency Allocation
OB	Outside Broadcasting
PAMR	Public Access Mobile Radio
PKO	Peace Keeping Operations
PLB	Personal Locator Beacons
PMR	Professional Mobile Radio, Private Mobile Radio
PMSE	Programme Making and Special Events
POCSAG	Post Office Code Standards Advisory Group
PPDR	Public Protection and Disaster Relief
PWAP	Private Wide Area Paging
RA	Radio Astronomy
REC	Recommendation
RFID	Radio Frequency Identification
RLAN	Radio Local Area Network System
RR	ITU Radio Regulations
RTE	Radar Target Enhancer
RTTT	Road Transport & Traffic Telematics
s/E	space-to-Earth direction
SAB	Services Ancillary to Broadcasting
SAP	Services Ancillary to Programming
SAR(communications)	Search and Rescue
SIT	Satellite Interactive Terminal
SNG	Satellite News Gathering
S-PCS	Satellite Personal Communication System
SRD	Short Range Device
SRR	Short Range Radar

Annex 7 - List of abbreviations used in the ECA Table

SRS	Space Research Service
SSR	Secondary Surveillance Radar
SUT	Satellite User Terminal
TACAN	Tactical Air Navigation
T-DAB	Terrestrial Digital Audio Broadcasting
TDD	Time Division Duplex
TETRA	Terrestrial Trunked Radio
TLPR	Tank Level Probing Radar
TRR	Tactical Radio Relays
TS	Terminal Station
TTT	Transport and Traffic Telematics
TV	Television
UIC	International Union for Railways
ULP-AID	Ultra Low Power Animal Implants Devices
ULP-AMI	Ultra Low Power Active Medical Implants
ULP-MMI	Ultra Low Power Medical Membrane Implants
ULP-WMCE	Ultra-Low Power Wireless Medical Capsule Endoscopy
UMTS	Universal Mobile Telecommunications System
UWB	Ultra – Wideband
VDB	VHF ground-air Data Broadcast
VLBI	Very Long Baseline Interferometry (Radio Astronomy)
VOR	VHF Omni-directional Range
VSAT	Very Small Aperture Terminal
VTS	Vessel Traffic System (radar)
WAIC	Wireless Avionics Intra-Communication systems
WARC	World Administrative Radio Conference
WAS	Wireless Access System
WBB LMP	Low/medium power terrestrial wireless broadband systems (WBB LMP) providing local-area network connectivity
WIA	Wireless Industrial Applications