

QUESTIONNAIRE - PART I

(To be completed by both Administrations and, where relevant, by Sector members)

Information on national radio frequency spectrum allocations: 2 900 MHz-30 GHz

Up dating for the frequency range 29.7-3 000 MHz

1. Introduction

A national table of frequency allocations is a basic tool for an effective spectrum management process. It provides a general plan for spectrum use and the basic structure to ensure efficient use of the spectrum and the prevention of radio frequency interference between services. Through use of the table, manufacturers will have a guide to where in the spectrum to design and build equipment, and users will know where to operate. As described in the National Spectrum Management Handbook (2005), the International Table of Frequency Allocations, Article 5 of the Radio Regulations, forms the basis for national tables and, in some countries, this may be used as the national table. However, other countries have included additional information on national use, varying in detail from showing which service is allocated—when the Radio Regulations offer a choice—to showing how spectrum is made available for different use, and, for specific sub-bands, channel arrangements and equipment specifications. An extract of a national allocation table is attached as an example.

The scope of the information requested from administrations by this circular letter is in no way intended to include proprietary frequency usage by Member States. It is intended simply to provide information on national frequency allocations and their usage for the benefit of other administrations. It is intended also to facilitate the possible coordination of spectrum usage, either at a national, regional or international level. Moreover, this questionnaire is in no way intended to duplicate the more general “Telecommunication Regulatory Survey” issued by BDT Programme 1 (<http://www.itu.int/ITU-D/treg/Events/Survey/survey.html>).

2. Information on national radio frequency spectrum allocations: 2 900 MHz to 30 GHz

2.1 – National table of radio frequency spectrum allocations

- a) If you have a publicly-available national table of radio frequency spectrum allocations in force, please submit a complete copy (preferably in electronic form, if available and authorized), specifying its effective date.
- b) If you do not have a national frequency allocations table available in electronic form, the attached extract from Article 5 of the Radio Regulations—edition of 2004 for the frequency range 2 900 MHz to 30 GHz—may be used to indicate general information on how this range of frequencies is used by your administration within your national borders. Three columns have been added to this table for information on national spectrum use. If you are using an electronic version of the table, the information may be entered into the spaces provided, otherwise, please type or write the information on a printed copy.

2.2 – Required information

Pour disposer de plus d'espace pour répondre, vous pouvez supprimer, le cas échéant, la ou les colonnes de la Région UIT qui ne concerneraient pas votre pays.

a) Les administrations sont priées de fournir les informations suivantes:

Si votre administration est concernée par un tableau d'attributions infra régional (exemple : Table des attributions européennes communes – ECA) nous vous prions de mentionner les attributions de ce tableau dans une colonne destinée à cet effet (voir l'exemple de tableau ci-après).

In the column designated "National allocations," please enter the radiocommunication service or services allocated to each frequency band. Please use the ITU terminology given in Article 1 of the Radio Regulations to describe services, such as FIXED, MOBILE, Space Research, Radio Astronomy, etc., using the ITU format to indicate PRIMARY and/or Secondary allocations (see Nos. 5.23 to 5.31);

In the column designated "Application and comment," please enter further technical requirements or characteristics, if any, that have been established nationally for a given band, such as channel spacing or limitations on radiated signal power, etc...;

If appropriate, please specify your future plans related to the band in the column designated "Strategy."

b) Sector Members that operate in, or manufacture equipment for, this frequency range are invited to enter information about applications available for operation in the different frequency sub-bands, e.g., purpose, operating parameters, such as channel spacing, radiated signal power capabilities, etc.

c) Example extract from a national frequency allocation table: This example extract from a national allocation table shows the typical information administrations are invited to provide.

3 Up dating information about the band 29.7-3 000 MHz

Administrations are invited to provide, if needed, all changes in their national allocation table since 2002 for the frequency range 29.7-3 000 MHz. Administrations providing a complete table of frequency allocations in electronic form need not provide this update.

Example extracted from a national allocation table

International allocations 2 900 MHz – 30 GHz		National uses		
Regional allocations (Radio Regulations Article 5)	Sub-Regional allocations (if applicable)	National allocations	Application and comments	Strategy
2 900-3 100 RADIOLOCATION 5.424A RADIONAVIGATION 5.426 5.425 5.427	2 900-3 100 RADIOLOCATION RADIONAVIGATION	2 900-3 100 RADIOLOCATION RADIONAVIGATION	2 900-3 100 Radiolocation (military) Maritime navigation (2 920-3 100)	
3 100-3 300 RADIOLOCATION Earth exploration-satellite (active) Space research (active) 5.149 5.428	3 100-3 300 RADIOLOCATION Earth exploration-satellite (active) Space research (active)	3 100-3 300 RADIOLOCATION Earth exploration-satellite (active) Space research (active)	3 100-3 300 Earth exploration-satellite Radiolocation (military) Space research Radio astronomy (3 260-3 267)	
3 300-3 400 RADIOLOCATION 5.149 5.429 5.430	3 300-3 400 RADIOLOCATION	3 300-3 400 RADIOLOCATION	3 300-3 400 Radiolocation (military) Radio astronomy (3 332-3 339) Radio astronomy (3 345,8-3 352,5)	

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International allocations to services		2 900 MHz – 31 GHz		National	
Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
2 900-3 100 RADIOLOCATION 5.424A RADIONAVIGATION 5.426 5.425 5.427	2 900-3 100 RADIOLOCATION 5.424A RADIONAVIGATION 5.426 5.425 5.427	2 900-3 100 RADIOLOCATION 5.424A RADIONAVIGATION 5.426 5.425 5.427			
3 100-3 300 RADIOLOCATION Earth exploration-satellite (active) Space research (active) 5.149 5.428	3 100-3 300 RADIOLOCATION Earth exploration-satellite (active) Space research (active) 5.149 5.428	3 100-3 300 RADIOLOCATION Earth exploration-satellite (active) Space research (active) 5.149 5.428			
3 300-3 400 RADIOLOCATION 5.149 5.429 5.430	3 300-3 400 RADIOLOCATION Amateur Fixed Mobile 5.149 5.430	3 300-3 400 RADIOLOCATION Amateur 5.149 5.429			
3 400-3 600 FIXED FIXED-SATELLITE (space-to-Earth) Mobile Radiolocation 5.431	3 400-3 500 FIXED FIXED-SATELLITE (space-to-Earth) Amateur Mobile Radiolocation 5.433 5.282 5.432	3 400-3 500 FIXED FIXED-SATELLITE (space-to-Earth) Amateur Mobile Radiolocation 5.433 5.282 5.432			
	3 500-3 700 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Radiolocation 5.433 5.435	3 500-3 700 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Radiolocation 5.433 5.435			
3 600-4 200 FIXED FIXED-SATELLITE (space-to-Earth) Mobile	3 700-4 200 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	3 700-4 200 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
4 200-4 400 AERONAUTICAL RADIONAVIGATION 5.438 5.439 5.440	4 200-4 400 AERONAUTICAL RADIONAVIGATION 5.438 5.439 5.440	4 200-4 400 AERONAUTICAL RADIONAVIGATION 5.438 5.439 5.440			
4 400-4 500 FIXED MOBILE	4 400-4 500 FIXED MOBILE	4 400-4 500 FIXED MOBILE			
4 500-4 800 FIXED FIXED-SATELLITE (space-to-Earth) 5.441 MOBILE	4 500-4 800 FIXED FIXED-SATELLITE (space-to-Earth) 5.441 MOBILE	4 500-4 800 FIXED FIXED-SATELLITE (space-to-Earth) 5.441 MOBILE			
4 800-4 990 FIXED MOBILE 5.442 Radio astronomy 5.149 5.339 5.443	4 800-4 990 FIXED MOBILE 5.442 Radio astronomy 5.149 5.339 5.443	4 800-4 990 FIXED MOBILE 5.442 Radio astronomy 5.149 5.339 5.443			
4 990-5 000 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY Space research (passive) 5.149	4 990-5 000 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY Space research (passive) 5.149	4 990-5 000 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY Space research (passive) 5.149			
5 000-5 010 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space) 5.367	5 000-5 010 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space) 5.367	5 000-5 010 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space) 5.367			
5 010-5 030 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-space) 5.328B 5.443B 5.367	5 010-5 030 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-space) 5.328B 5.443B 5.367	5 010-5 030 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-space) 5.328B 5.443B 5.367			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
5 030-5 150 AERONAUTICAL RADIONAVIGATION 5.367 5.444 5.444A	5 030-5 150 AERONAUTICAL RADIONAVIGATION 5.367 5.444 5.444A	5 030-5 150 AERONAUTICAL RADIONAVIGATION 5.367 5.444 5.444A			
5 150-5 250 AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (Earth-to-space) 5.447A MOBILE except aeronautical mobile 5.446A 5.446B 5.446 5.447 5.447B 5.447C	5 150-5 250 AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (Earth-to-space) 5.447A MOBILE except aeronautical mobile 5.446A 5.446B 5.446 5.447 5.447B 5.447C	5 150-5 250 AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (Earth-to-space) 5.447A MOBILE except aeronautical mobile 5.446A 5.446B 5.446 5.447 5.447B 5.447C			
5 250-5 255 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH 5.447D MOBILE except aeronautical mobile 5.446A 5.447F 5.447E 5.448 5.448A	5 250-5 255 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH 5.447D MOBILE except aeronautical mobile 5.446A 5.447F 5.447E 5.448 5.448A	5 250-5 255 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH 5.447D MOBILE except aeronautical mobile 5.446A 5.447F 5.447E 5.448 5.448A			
5 255-5 350 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) MOBILE except aeronautical mobile 5.446A 5.447F 5.447E 5.448 5.448A	5 255-5 350 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) MOBILE except aeronautical mobile 5.446A 5.447F 5.447E 5.448 5.448A	5 255-5 350 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) MOBILE except aeronautical mobile 5.446A 5.447F 5.447E 5.448 5.448A			
5 350-5 460 EARTH EXPLORATION-SATELLITE (active) 5.448B SPACE RESEARCH (active) 5.448C AERONAUTICAL RADIONAVIGATION 5.449 RADIOLOCATION 5.448D	5 350-5 460 EARTH EXPLORATION-SATELLITE (active) 5.448B SPACE RESEARCH (active) 5.448C AERONAUTICAL RADIONAVIGATION 5.449 RADIOLOCATION 5.448D	5 350-5 460 EARTH EXPLORATION-SATELLITE (active) 5.448B SPACE RESEARCH (active) 5.448C AERONAUTICAL RADIONAVIGATION 5.449 RADIOLOCATION 5.448D			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
5 460-5 470 RADIONAVIGATION 5.449 EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION 5.448D 5.448B	5 460-5 470 RADIONAVIGATION 5.449 EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION 5.448D 5.448B	5 460-5 470 RADIONAVIGATION 5.449 EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION 5.448D 5.448B			
5 470-5 570 MARITIME RADIONAVIGATION MOBILE except aeronautical mobile 5.446A 5.450A EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION 5.450B 5.448B 5.450 5.451	5 470-5 570 MARITIME RADIONAVIGATION MOBILE except aeronautical mobile 5.446A 5.450A EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION 5.450B 5.448B 5.450 5.451	5 470-5 570 MARITIME RADIONAVIGATION MOBILE except aeronautical mobile 5.446A 5.450A EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION 5.450B 5.448B 5.450 5.451			
5 570-5 650 MARITIME RADIONAVIGATION MOBILE except aeronautical mobile 5.446A 5.450A RADIOLOCATION 5.450B 5.450 5.451 5.452	5 570-5 650 MARITIME RADIONAVIGATION MOBILE except aeronautical mobile 5.446A 5.450A RADIOLOCATION 5.450B 5.450 5.451 5.452	5 570-5 650 MARITIME RADIONAVIGATION MOBILE except aeronautical mobile 5.446A 5.450A RADIOLOCATION 5.450B 5.450 5.451 5.452			
5 650-5 725 RADIOLOCATION MOBILE except aeronautical mobile 5.446A 5.450A Amateur Space research (deep space) 5.282 5.451 5.453 5.454 5.455	5 650-5 725 RADIOLOCATION MOBILE except aeronautical mobile 5.446A 5.450A Amateur Space research (deep space) 5.282 5.451 5.453 5.454 5.455	5 650-5 725 RADIOLOCATION MOBILE except aeronautical mobile 5.446A 5.450A Amateur Space research (deep space) 5.282 5.451 5.453 5.454 5.455			
5 725-5 830 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Amateur 5.150 5.451 5.453 5.455 5.456	5 725-5 830 RADIOLOCATION Amateur 5.150 5.453 5.455	5 725-5 830 RADIOLOCATION Amateur 5.150 5.453 5.455			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
5 830-5 850 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) 5.150 5.451 5.453 5.455 5.456	5 830-5 850 RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) 5.150 5.453 5.455	5 830-5 850 RADIOLOCATION Amateur Amateur-satellite (space-to-Earth) 5.150 5.453 5.455			
5 850-5 925 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.150	5 850-5 925 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Amateur Radiolocation 5.150	5 850-5 925 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Radiolocation 5.150			
5 925-6 700 FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B MOBILE 5.149 5.440 5.458	5 925-6 700 FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B MOBILE 5.149 5.440 5.458	5 925-6 700 FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B MOBILE 5.149 5.440 5.458			
6 700-7 075 FIXED FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.441 MOBILE 5.458 5.458A 5.458B 5.458C	6 700-7 075 FIXED FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.441 MOBILE 5.458 5.458A 5.458B 5.458C	6 700-7 075 FIXED FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.441 MOBILE 5.458 5.458A 5.458B 5.458C			
7 075-7 145 FIXED MOBILE 5.458 5.459	7 075-7 145 FIXED MOBILE 5.458 5.459	7 075-7 145 FIXED MOBILE 5.458 5.459			
7 145-7 235 FIXED MOBILE SPACE RESEARCH (Earth-to-space) 5.460 5.458 5.459	7 145-7 235 FIXED MOBILE SPACE RESEARCH (Earth-to-space) 5.460 5.458 5.459	7 145-7 235 FIXED MOBILE SPACE RESEARCH (Earth-to-space) 5.460 5.458 5.459			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
7 235-7 250 FIXED MOBILE 5.458	7 235-7 250 FIXED MOBILE 5.458	7 235-7 250 FIXED MOBILE 5.458			
7 250-7 300 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE 5.461	7 250-7 300 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE 5.461	7 250-7 300 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE 5.461			
7 300-7 450 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.461	7 300-7 450 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.461	7 300-7 450 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.461			
7 450-7 550 FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.461A	7 450-7 550 FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.461A	7 450-7 550 FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.461A			
7 550-7 750 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	7 550-7 750 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile	7 550-7 750 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile			
7 750-7 850 FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) 5.461B MOBILE except aeronautical mobile	7 750-7 850 FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) 5.461B MOBILE except aeronautical mobile	7 750-7 850 FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) 5.461B MOBILE except aeronautical mobile			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
7 850-7 900 FIXED MOBILE except aeronautical mobile	7 850-7 900 FIXED MOBILE except aeronautical mobile	7 850-7 900 FIXED MOBILE except aeronautical mobile			
7 900-8 025 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.461	7 900-8 025 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.461	7 900-8 025 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.461			
8 025-8 175 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A	8 025-8 175 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A	8 025-8 175 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A			
8 175-8 215 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A	8 175-8 215 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A	8 175-8 215 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A			
8 215-8 400 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A	8 215-8 400 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A	8 215-8 400 EARTH EXPLORATION-SATELLITE (space-to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 5.463 5.462A			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
8 400-8 500 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) 5.465 5.466	8 400-8 500 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) 5.465 5.466	8 400-8 500 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) 5.465 5.466			
8 500-8 550 RADIOLOCATION 5.468 5.469	8 500-8 550 RADIOLOCATION 5.468 5.469	8 500-8 550 RADIOLOCATION 5.468 5.469			
8 550-8 650 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) 5.468 5.469 5.469A	8 550-8 650 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) 5.468 5.469 5.469A	8 550-8 650 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) 5.468 5.469 5.469A			
8 650-8 750 RADIOLOCATION 5.468 5.469	8 650-8 750 RADIOLOCATION 5.468 5.469	8 650-8 750 RADIOLOCATION 5.468 5.469			
8 750-8 850 RADIOLOCATION AERONAUTICAL RADIONAVIGATION 5.470 5.471	8 750-8 850 RADIOLOCATION AERONAUTICAL RADIONAVIGATION 5.470 5.471	8 750-8 850 RADIOLOCATION AERONAUTICAL RADIONAVIGATION 5.470 5.471			
8 850-9 000 RADIOLOCATION MARITIME RADIONAVIGATION 5.472 5.473	8 850-9 000 RADIOLOCATION MARITIME RADIONAVIGATION 5.472 5.473	8 850-9 000 RADIOLOCATION MARITIME RADIONAVIGATION 5.472 5.473			
9 000-9 200 AERONAUTICAL RADIONAVIGATION 5.337 Radiolocation 5.471	9 000-9 200 AERONAUTICAL RADIONAVIGATION 5.337 Radiolocation 5.471	9 000-9 200 AERONAUTICAL RADIONAVIGATION 5.337 Radiolocation 5.471			
9 200-9 300 RADIOLOCATION MARITIME RADIONAVIGATION 5.472 5.473 5.474	9 200-9 300 RADIOLOCATION MARITIME RADIONAVIGATION 5.472 5.473 5.474	9 200-9 300 RADIOLOCATION MARITIME RADIONAVIGATION 5.472 5.473 5.474			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
9 300-9 500 RADIONAVIGATION 5.476 Radiolocation 5.427 5.474 5.475	9 300-9 500 RADIONAVIGATION 5.476 Radiolocation 5.427 5.474 5.475	9 300-9 500 RADIONAVIGATION 5.476 Radiolocation 5.427 5.474 5.475			
9 500-9 800 EARTH EXPLORATION- SATELLITE (active) RADIOLOCATION RADIONAVIGATION SPACE RESEARCH (active) 5.476A	9 500-9 800 EARTH EXPLORATION- SATELLITE (active) RADIOLOCATION RADIONAVIGATION SPACE RESEARCH (active) 5.476A	9 500-9 800 EARTH EXPLORATION- SATELLITE (active) RADIOLOCATION RADIONAVIGATION SPACE RESEARCH (active) 5.476A			
9 800-10 000 RADIOLOCATION Fixed 5.477 5.478 5.479	9 800-10 000 RADIOLOCATION Fixed 5.477 5.478 5.479	9 800-10 000 RADIOLOCATION Fixed 5.477 5.478 5.479			
10-10,45 FIXED MOBILE RADIOLOCATION Amateur 5.479	10-10,45 RADIOLOCATION Amateur 5.479 5.480	10-10,45 FIXED MOBILE RADIOLOCATION Amateur 5.479			
10,45-10,5 RADIOLOCATION Amateur Amateur-satellite 5.481	10,45-10,5 RADIOLOCATION Amateur Amateur-satellite 5.481	10,45-10,5 RADIOLOCATION Amateur Amateur-satellite 5.481			
10,5-10,55 FIXED MOBILE Radiolocation	10,5-10,55 FIXED MOBILE RADIOLOCATION	10,5-10,55 FIXED MOBILE RADIOLOCATION			
10,55-10,6 FIXED MOBILE except aeronautical mobile Radiolocation	10,55-10,6 FIXED MOBILE except aeronautical mobile Radiolocation	10,55-10,6 FIXED MOBILE except aeronautical mobile Radiolocation			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
10,6-10,68 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) Radiolocation 5.149 5.482	10,6-10,68 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) Radiolocation 5.149 5.482	10,6-10,68 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) Radiolocation 5.149 5.482			
10,68-10,7 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.483	10,68-10,7 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.483	10,68-10,7 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.483			
10,7-11,7 FIXED FIXED-SATELLITE (space-to-Earth) 5.441 5.484A (Earth-to-space) 5.484 MOBILE except aeronautical mobile	10,7-11,7 FIXED FIXED-SATELLITE (space-to-Earth) 5.441 5.484A MOBILE except aeronautical mobile	10,7-11,7 FIXED FIXED-SATELLITE (space-to-Earth) 5.441 5.484A MOBILE except aeronautical mobile			
11,7-12,5 FIXED BROADCASTING BROADCASTING-SATELLITE MOBILE except aeronautical mobile 5.487 5.487A 5.492	11,7-12,1 FIXED 5.486 FIXED-SATELLITE (space-to-Earth) 5.484A Mobile except aeronautical mobile 5.485 5.488	11,7-12,2 FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE 5.487 5.487A 5.492			
	12,1-12,2 FIXED-SATELLITE (space-to-Earth) 5.484A 5.485 5.488 5.489				

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
	12,2-12,7 FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE 5.487A 5.488 5.490 5.492	12,2-12,5 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile BROADCASTING 5.484A 5.487			
12,5-12,75 FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.494 5.495 5.496	12,7-12,75 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile	12,5-12,75 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A MOBILE except aeronautical mobile BROADCASTING-SATELLITE 5.493			
12,75-13,25 FIXED FIXED-SATELLITE (Earth-to-space) 5.441 MOBILE Space research (deep space) (space-to-Earth)	12,75-13,25 FIXED FIXED-SATELLITE (Earth-to-space) 5.441 MOBILE Space research (deep space) (space-to-Earth)	12,75-13,25 FIXED FIXED-SATELLITE (Earth-to-space) 5.441 MOBILE Space research (deep space) (space-to-Earth)			
13,25-13,4 EARTH EXPLORATION-SATELLITE (active) AERONAUTICAL RADIONAVIGATION 5.497 SPACE RESEARCH (active) 5.498A 5.499	13,25-13,4 EARTH EXPLORATION-SATELLITE (active) AERONAUTICAL RADIONAVIGATION 5.497 SPACE RESEARCH (active) 5.498A 5.499	13,25-13,4 EARTH EXPLORATION-SATELLITE (active) AERONAUTICAL RADIONAVIGATION 5.497 SPACE RESEARCH (active) 5.498A 5.499			
13,4-13,75 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	13,4-13,75 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	13,4-13,75 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			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
13,75-14 FIXED-SATELLITE (Earth-to-space) 5.484A RADIOLOCATION Earth exploration-satellite Standard frequency and time signal-satellite (Earth-to-space) Space research 5.499 5.500 5.501 5.502 5.503	13,75-14 FIXED-SATELLITE (Earth-to-space) 5.484A RADIOLOCATION Earth exploration-satellite Standard frequency and time signal-satellite (Earth-to-space) Space research 5.499 5.500 5.501 5.502 5.503	13,75-14 FIXED-SATELLITE (Earth-to-space) 5.484A RADIOLOCATION Earth exploration-satellite Standard frequency and time signal-satellite (Earth-to-space) Space research 5.499 5.500 5.501 5.502 5.503			
14-14,25 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.504C 5.506A Space research 5.504A 5.505	14-14,25 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.504C 5.506A Space research 5.504A 5.505	14-14,25 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.504C 5.506A Space research 5.504A 5.505			
14,25-14,3 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.506A 5.508A Space research 5.504A 5.505 5.508 5.509	14,25-14,3 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.506A 5.508A Space research 5.504A 5.505 5.508 5.509	14,25-14,3 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.506A 5.508A Space research 5.504A 5.505 5.508 5.509			
14,3-14,4 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) 5.506A 5.509A Radionavigation-satellite 5.504A	14,3-14,4 FIXED-SATELLITE (Earth-to-space) 5.457A 5.484A 5.506 5.506B Mobile-satellite (Earth-to-space) 5.506A Radionavigation-satellite 5.504A	14,3-14,4 FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.484A 5.506 5.506B MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) 5.506A 5.509A Radionavigation-satellite 5.504A			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
14,4-14,47 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) 5.506A5.509A Space research (space-to-Earth) 5.504A	14,4-14,47 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) 5.506A5.509A Space research (space-to-Earth) 5.504A	14,4-14,47 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) 5.506A5.509A Space research (space-to-Earth) 5.504A			
14,47-14,5 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	14,47-14,5 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	14,47-14,5 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			
14,5-14,8 FIXED FIXED-SATELLITE (Earth-to-space) 5.510 MOBILE Space research	14,5-14,8 FIXED FIXED-SATELLITE (Earth-to-space) 5.510 MOBILE Space research	14,5-14,8 FIXED FIXED-SATELLITE (Earth-to-space) 5.510 MOBILE Space research			
14,8-15,35 FIXED MOBILE Space research 5.339	14,8-15,35 FIXED MOBILE Space research 5.339	14,8-15,35 FIXED MOBILE Space research 5.339			
15,35-15,4 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.511	15,35-15,4 EARTH EXPLORATION-SATELLITE- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.511	15,35-15,4 EARTH EXPLORATION-SATELLITE- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.511			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
15,4-15,43 AERONAUTICAL RADIONAVIGATION 5.511D	15,4-15,43 AERONAUTICAL RADIONAVIGATION 5.511D	15,4-15,43 AERONAUTICAL RADIONAVIGATION 5.511D			
15,43-15,63 FIXED-SATELLITE (Earth-to-space) 5.511A AERONAUTICAL RADIONAVIGATION 5.511C	15,43-15,63 FIXED-SATELLITE (Earth-to-space) 5.511A AERONAUTICAL RADIONAVIGATION 5.511C	15,43-15,63 FIXED-SATELLITE (Earth-to-space) 5.511A AERONAUTICAL RADIONAVIGATION 5.511C			
15,63-15,7 AERONAUTICAL RADIONAVIGATION 5.511D	15,63-15,7 AERONAUTICAL RADIONAVIGATION 5.511D	15,63-15,7 AERONAUTICAL RADIONAVIGATION 5.511D			
15,7-16,6 RADIOLOCATION 5.512 5.513	15,7-16,6 RADIOLOCATION 5.512 5.513	15,7-16,6 RADIOLOCATION 5.512 5.513			
16,6-17,1 RADIOLOCATION Space research (deep space) (Earth-to-space) 5.512 5.513	16,6-17,1 RADIOLOCATION Space research (deep space) (Earth-to-space) 5.512 5.513	16,6-17,1 RADIOLOCATION Space research (deep space) (Earth-to-space) 5.512 5.513			
17,1-17,2 RADIOLOCATION 5.512 5.513	17,1-17,2 RADIOLOCATION 5.512 5.513	17,1-17,2 RADIOLOCATION 5.512 5.513			
17,2-17,3 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) 5.512 5.513 5.513A	17,2-17,3 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) 5.512 5.513 5.513A	17,2-17,3 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) 5.512 5.513 5.513A			
17,3-17,7 FIXED-SATELLITE (Earth-to-space) 5.516 (space-to-Earth) 5.516A 5.516B Radiolocation 5.514	17,3-17,7 FIXED-SATELLITE (Earth-to-space) 5.516 BROADCASTING-SATELLITE Radiolocation B 5.514 5.515 5.517	17,3-17,7 FIXED-SATELLITE (Earth-to-space) 5.516 Radiolocation 5.514			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
17,7-18,1 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.516 MOBILE	17,7-17,8 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 5.516 BROADCASTING-SATELLITE Mobile 5.518 5.515 5.517 17,8-18,1 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.516 MOBILE	17,7-18,1 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.516 MOBILE			
18,1-18,4 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B (Earth-to-space) 5.520 MOBILE 5.519 5.521	18,1-18,4 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B (Earth-to-space) 5.520 MOBILE 5.519 5.521	18,1-18,4 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B (Earth-to-space) 5.520 MOBILE 5.519 5.521			
18,4-18,6 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE	18,4-18,6 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE	18,4-18,6 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE			
18,6-18,8 EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) 5.522B MOBILE except aeronautical mobile Space research (passive) 5.522A 5.522C	18,6-18,8 EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) 5.516B 5.522B MOBILE except aeronautical mobile SPACE RESEARCH (passive) 5.522A	18,6-18,8 EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) 5.522B MOBILE except aeronautical mobile Space research (passive) 5.522A			
18,8-19,3 FIXED FIXED-SATELLITE (space-to-Earth) 5.516.B 5.523A MOBILE	18,8-19,3 FIXED FIXED-SATELLITE (space-to-Earth) 5.516.B 5.523A MOBILE	18,8-19,3 FIXED FIXED-SATELLITE (space-to-Earth) 5.516.B 5.523A MOBILE			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
19,3-19,7 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to space) 5.523B 5.523C 5.523D 5.523E MOBILE	19,3-19,7 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to space) 5.523B 5.523C 5.523D 5.523E MOBILE	19,3-19,7 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to space) 5.523B 5.523C 5.523D 5.523E MOBILE			
19,7-20,1 FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B Mobile-satellite (space-to-Earth) 5.524	19,7-20,1 FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE-SATELLITE (space-to-Earth) 5.524 5.525 5.526 5.527 5.528 5.529	19,7-20,1 FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B Mobile-satellite (space-to-Earth) 5.524			
20,1-20,2 FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE-SATELLITE (space-to-Earth) 5.524 5.525 5.526 5.527 5.528	20,1-20,2 FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE-SATELLITE (space-to-Earth) 5.524 5.525 5.526 5.527 5.528	20,1-20,2 FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE-SATELLITE (space-to-Earth) 5.524 5.525 5.526 5.527 5.528			
20,2-21,2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard frequency and time signal-satellite (space-to-Earth) 5.524	20,2-21,2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard frequency and time signal-satellite (space-to-Earth) 5.524	20,2-21,2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard frequency and time signal-satellite (space-to-Earth) 5.524			
21,2-21,4 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)	21,2-21,4 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)	21,2-21,4 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)			
21,4-22 FIXED MOBILE BROADCASTING-SATELLITE 5.347A 5.530	21,4-22 FIXED MOBILE	21,4-22 FIXED MOBILE BROADCASTING-SATELLITE 5.347A 5.530 5.531			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
22-22,21 FIXED MOBILE except aeronautical mobile 5.149	22-22,21 FIXED MOBILE except aeronautical mobile 5.149	22-22,21 FIXED MOBILE except aeronautical mobile 5.149			
22,21-22,5 EARTH EXPLORATION- SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) 5.149 5.532	22,21-22,5 EARTH EXPLORATION- SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) 5.149 5.532	22,21-22,5 EARTH EXPLORATION- SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) 5.149 5.532			
22,5-22,55 FIXED MOBILE	22,5-22,55 FIXED MOBILE	22,5-22,55 FIXED MOBILE			
22,55-23,55 FIXED INTER-SATELLITE MOBILE 5.149	22,55-23,55 FIXED INTER-SATELLITE MOBILE 5.149	22,55-23,55 FIXED INTER-SATELLITE MOBILE 5.149			
23,55-23,6 FIXED MOBILE	23,55-23,6 FIXED MOBILE	23,55-23,6 FIXED MOBILE			
23,6-24 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340	23,6-24 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340	23,6-24 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340			
24-24,05 AMATEUR AMATEUR-SATELLITE 5.150	24-24,05 AMATEUR AMATEUR-SATELLITE 5.150	24-24,05 AMATEUR AMATEUR-SATELLITE 5.150			
24,05-24,25 RADIOLOCATION Amateur Earth exploration-satellite (active) 5.150	24,05-24,25 RADIOLOCATION Amateur Earth exploration-satellite (active) 5.150	24,05-24,25 RADIOLOCATION Amateur Earth exploration-satellite (active) 5.150			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
24,25-24,45 FIXED	24,25-24,45 RADIONAVIGATION	24,25-24,45 RADIONAVIGATION FIXED MOBILE			
24,45-24,65 FIXED INTER-SATELLITE	24,45-24,65 INTER-SATELLITE RADIONAVIGATION 5.533	24,45-24,65 FIXED INTER-SATELLITE MOBILE RADIONAVIGATION 5.533			
24,65-24,75 FIXED INTER-SATELLITE	24,65-24,75 INTER-SATELLITE RADIOLOCATION- SATELLITE (Earth-to-space)	24,65-24,75 FIXED INTER-SATELLITE MOBILE 5.533			
24,75-25,25 FIXED	24,75-25,25 FIXED-SATELLITE (Earth-to-space) 5.535	24,75-25,25 FIXED FIXED-SATELLITE (Earth-to-space) 5.535 MOBILE			
25,25-25,5 FIXED INTER-SATELLITE 5.536 MOBILE Standard frequency and time signal-satellite (Earth-to-space)	25,25-25,5 FIXED INTER-SATELLITE 5.536 MOBILE Standard frequency and time signal-satellite (Earth-to-space)	25,25-25,5 FIXED INTER-SATELLITE 5.536 MOBILE Standard frequency and time signal-satellite (Earth-to-space)			
25,5-27 EARTH EXPLORATION-SATELLITE (space-to Earth) 5.536A 5.536B FIXED INTER-SATELLITE 5.536 MOBILE SPACE RESEARCH (space-to-Earth) 5.536A 5.536C Standard frequency and time signal-satellite (Earth-to-space)	25,5-27 EARTH EXPLORATION-SATELLITE (space-to Earth) 5.536A 5.536B FIXED INTER-SATELLITE 5.536 MOBILE SPACE RESEARCH (space-to-Earth) 5.536A 5.536C Standard frequency and time signal-satellite (Earth-to-space)	25,5-27 EARTH EXPLORATION-SATELLITE (space-to Earth) 5.536A 5.536B FIXED INTER-SATELLITE 5.536 MOBILE SPACE RESEARCH (space-to-Earth) 5.536A 5.536C Standard frequency and time signal-satellite (Earth-to-space)			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
27-27,5 FIXED INTER-SATELLITE 5.536 MOBILE	27-27,5 FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE 5.536 5.537 MOBILE	27-27,5 FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE 5.536 5.537 MOBILE			
27,5-28,5 FIXED 5.537A FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE 5.538 5.540	27,5-28,5 FIXED 5.537A FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE 5.538 5.540	27,5-28,5 FIXED 5.537A FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE 5.538 5.540			
28,5-29,1 FIXED FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.523A 5.539 MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540	28,5-29,1 FIXED FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.523A 5.539 MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540	28,5-29,1 FIXED FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.523A 5.539 MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540			
29,1-29,5 FIXED FIXED-SATELLITE (Earth-to-space) 5.516B 5.523C 5.523E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540	29,1-29,5 FIXED FIXED-SATELLITE (Earth-to-space) 5.516B 5.523C 5.523E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540	29,1-29,5 FIXED FIXED-SATELLITE (Earth-to-space) 5.516B 5.523C 5.523E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540			
29,5-29,9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.540 5.542	29,5-29,9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 5.525 5.526 5.527 5.529 5.540 5.542	29,5-29,9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.540 5.542			

Region 1	Region 2	Region 3	National allocations	Current uses and remarks	Strategy
29,9-30 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 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	29,9-30 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 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	29,9-30 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 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			
30-31 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard frequency and time signal-satellite (space-to-Earth) 5.542	30-31 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard frequency and time signal-satellite (space-to-Earth) 5.542	30-31 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard frequency and time signal-satellite (space-to-Earth) 5.542			
