

Frequency Assignment and Allocations

4.1 Introduction

The Communications Act of 1934, as amended, provides for the regulation of interstate and foreign commerce in communication by wire or radio in the U.S.¹ This Act is printed in Title 47 of the U.S. Code, beginning with Section 151. The primary treaties and other international agreements in force relating to radiocommunication and to which the U.S. is a party are as follows:

- The International Telecommunication Convention, signed at Nairobi on November 6, 1982. The U.S. deposited its instrument of ratification on January 7, 1986.
- The Radio Regulations annexed to the International Telecommunication Convention, signed at Geneva on December 6, 1979 and entered into force with respect to the U.S. on January 1, 1982.
- The United States-Canada Agreement relating to the Coordination and Use of Radio Frequencies above 30 MHz, effected by an exchange of notes at Ottawa on October 24, 1962. A revision to the Technical Annex to the Agreement, made in October 1964 at Washington, was effected by an exchange of notes signed by the U.S. on June 16, 1965, and by Canada on June 24, 1965. The revision entered into force on June 24, 1965. A revision to this Agreement to add *Arrangement E* (Arrangement between the Department of Communications of Canada and the National Telecommunications and Information Administration and the Federal Communications Commission of the U.S. concerning the use of the 406.1 to 430

¹ This chapter is based on: *Manual of Regulations and Procedures for Federal Radio Frequency Management*, September 1995 edition, revisions for September 1996, January and May 1997, NTIA, Washington, D.C.

MHz band in Canada-U.S. border areas) was effected by an exchange of notes signed by the U.S. on February 26, 1982, and Canada on April 7, 1982.

4.1.1 The International Telecommunication Union (ITU)

The International Telecommunication Union (ITU) is the international body responsible for international frequency allocations, worldwide telecommunications standards, and telecommunication development activities. At this writing, 185 countries were members of the ITU. The broad functions of the ITU are the regulation, coordination, and development of international telecommunications. The U.S. is an active member of the ITU and its work is considered critical to the interest of the United States.

The ITU is the oldest of the intergovernmental organizations that have become specialized agencies within the United Nations. The ITU was born with the spread of one of the great inventions of the 19th century, the telegraph, which crossed national frontiers to link major cities in Europe. International action was essential to establish an international telegraph network. It was necessary to reach agreement on the technical systems to be used, on uniform methods of handling messages, and on the collection of charges. A procedure of international accounting had to be set up.

First came bilateral understanding between bordering countries, then international agreement between regional groups of countries, ending in an inter-European association. Extra-European countries were progressively drawn in, and a truly international organization came into being. In 1865 the International Telegraph Union was created in Paris by the first International Telegraph Convention. The member countries agreed to a set of basic telegraph service regulations. These were modified later as a result of practical operating experience. At Vienna, in 1868, a permanent international bureau was created and established in Berne.

The international telephone service came much later and its progress was much slower. It was not until 1927, when radio provided the means to carry the human voice across the ocean from continent to continent, that this service became world-wide; nevertheless, in 1885, in Berlin, the first provisions concerning the international telephone service were drawn up.

When, at the end of the 19th century, wireless (radiotelegraphy) became practicable, it was seen at once to be an invaluable complement of telegraphy by wire and cable, since radio alone could provide telecommunication between land and ships at sea. The first International Radiotelegraph Convention was signed in Berlin in 1906 by twenty-nine countries. Nearly two decades later, in 1924 and 1925, at Conferences in Paris, the International Telephone Consultative Committee (CCIF) and the International Telegraph Consultative Committee (CCIT) were established. This was followed by the 1927 International Radiotelegraph Conference in Washington, D.C. in 1927, which was attended by 80 countries. It was a historical milestone in the development of radio because it was at this Conference that the Table of Frequency Allocations was first devised and the International Radio Consultative Committee (CCIR) was formed.

In 1932, two Plenipotentiary Conferences were held in Madrid: a Telegraph and Telephone Conference and a Radiotelegraph Conference. On that occasion, the two existing Conventions were amalgamated in a single International Telecommunication

Convention, and the countries that signed and acceded to it renamed the Union the International Telecommunication Union (ITU) to indicate its broader scope. Four sets of Regulations were annexed to the Convention: telegraph, telephone, radio, and additional radio regulations.

A Plenipotentiary Conference met in Atlantic City, N.J., in 1947 to revise the Madrid Convention. It introduced important changes in the organization of the Union. The International Frequency Registration Board (IFRB) and the Administrative Council were created. Also, the ITU became the specialized agency within the United Nations in the sphere of telecommunications, and its headquarters was transferred from Berne to Geneva.

The Union remained essentially unchanged until 1992, when an Additional Plenipotentiary Conference in Geneva extensively restructured the ITU. The Nice Constitution and Convention of 1989, which had not been ratified, was used as the general model for the 1992 Conference. The CCIR, IFRB, and World Administrative Radio Conference (WARC) functions were incorporated into the Radiocommunication Sector (ITU-R); the CCITT and Telecommunication Conference functions were incorporated into the Telecommunication Standardization Sector (ITU-T); development activities were incorporated into the Telecommunication Development Sector (ITU-D); and the Secretariats were combined into one General Secretariat.

Purposes of the Union

The purposes of the Union are as follows:

- To promote the development and efficient operation of telecommunication facilities, in order to improve the efficiency of telecommunication services, their usefulness, and their general availability to the public
- Promote and offer technical assistance to developing countries in the field of telecommunications, to promote the mobilization of the human and financial resources needed to develop telecommunications, and to promote the extension of the benefits of new telecommunications technologies to people everywhere
- Promote, at the international level, the adoption of a broader approach to the issues of telecommunications in the global information economy and society

While the principal facilities of the ITU are in Geneva adjacent to the grounds of the United Nations, the Union also has a number of regional and sub-regional offices.

Structure of the Union

The ITU Constitution states that the Union shall comprise:

- The Plenipotentiary Conference, which is the supreme authority of the Union
- The Council, which acts on behalf of the Plenipotentiary Conference
- World conferences on international telecommunications

- The Radiocommunication Sector, including world and regional radiocommunication conferences, radiocommunication assemblies, and the Radio Regulations Board
- The Telecommunication Standardization Sector, including world telecommunication standardization conferences
- The Telecommunication Development Sector, including world and regional telecommunication development conferences
- The General Secretariat

4.1.2 The Federal Communications Commission (FCC)

Congress, through adoption of the Communications Act of 1934, created the Federal Communications Commission (FCC) as an independent regulatory agency. Section I of the Act specifies that the FCC was created, "For the purpose of regulation of interstate and foreign commerce in communication by wire and radio so as to make available, so far as possible, to all the people of the United States a rapid, efficient, nationwide, and worldwide wire and radio communication service with adequate facilities at reasonable charges, for the purpose of the national defense, for the purpose of promoting the safety of life and property through the use of wire and radio communication, and for the purpose of securing a more effective execution of this policy by centralizing authority heretofore granted by law to several agencies and by granting additional authority with respect to interstate and foreign commerce in wire and radio communication."

The FCC is directed by five Commissioners appointed by the President, by and with the advice and consent of the Senate, for staggered five-year terms. No more than three can be members of the same political party. The President designates one Commissioner as Chairman. The Commissioners make their decisions collectively by formal vote although authority to act on routine matters is normally delegated to the staff.

The staff of the FCC performs day-to-day functions of the agency, including license and application processing, drafting of rulemaking items, enforcing rules and regulations, and formulating policy.

The Commission reorganized itself in 1995 to establish two new bureaus—Wireless Telecommunications and International—to reflect the changes in the industries it regulates. The staff is divided along functional lines into six operating bureaus and 10 remote offices.

4.2 National Table of Frequency Allocations

The National Table of Frequency Allocations is comprised of the U.S. Government Table of Frequency Allocations and the FCC Table of Frequency Allocations. The National Table indicates the normal national frequency allocation planning and the degree of conformity with the ITU table. When required in the national interest and consistent with national rights, as well as obligations undertaken by the U.S. to other

countries that may be affected, additional uses of frequencies in any band may be authorized to meet service needs other than those provided for in the National Table.

Specific exceptions to the National Table of Frequency Allocations are as follows:

- A government frequency assignment may be authorized in a non-government band, as an exception, provided: *a)* the assignment is coordinated with the FCC, and *b)* no harmful interference will be caused to the service rendered by non-government stations, present or future.
- A non-government frequency assignment may be authorized in a government band, as an exception, provided: *a)* the assignment is coordinated with the IRAC, and *b)* no harmful interference will be caused to the service rendered by government stations, present or future.

In the case of bands shared by government and non-government services, frequency assignments therein are subject to coordination between the IRAC and the FCC, and no priority is recognized unless the terms of such priority are specifically defined in the National Table of Frequency Allocations or unless they are subject to mutually agreed arrangements in specific cases.

4.2.1 U.S. Government Table of Frequency Allocations

The U.S. Government Table of Frequency Allocations is used as a guide in the assignment of radio frequencies to government radio stations in the United States and Possessions. Exceptions to the table may be made by the IRAC after careful consideration to avoid harmful interference and to ensure compliance with the ITU radio regulations.

For the use of frequencies by government radio stations outside the U.S., government agencies are guided insofar as practicable by the ITU Table of Frequency Allocations and, where applicable, by the authority of the host government. Maximum practicable effort should be made to avoid the possibility of harmful interference to other authorized U.S. operations. If harmful interference is considered likely, it is incumbent upon the agency conducting the operation to coordinate with other U.S. users.

Application of the U.S. Government Table is subject to the recognition that:

- Below 25000 kHz the table is only applicable in the assignment of frequencies after September 5, 1961.
- Under Article 38 of the International Telecommunication Convention, administrations “retain their entire freedom with regard to military radio installations of their army, naval and air forces.”
- Under No. 342 of the ITU Radio Regulations, administrations may assign frequencies in derogation of the ITU Table of Frequency Allocations “on the express condition that harmful interference shall not be caused to services carried on by stations operating in accordance with the provisions of the Convention and of these Regulations.”

Some frequency assignments below 25000 kHz that were made before September 5, 1961, are not in conformity with the government table. Because of the exception mentioned previously, the status of these assignments can be determined only on a case-by-case basis. With this exception, the rules pertaining to the relative status between radio services are as follows:

- Primary and permitted services have equal rights, except that, in the preparation of frequency plans, the primary service, as compared with the permitted service, has prior choice of frequencies.
- Secondary services are on a non-interference basis to the primary and permitted services. Stations of a secondary service: (a) must not cause harmful interference to stations of primary or permitted services to which frequencies are already assigned or to which frequencies may be assigned at a later date; (b) cannot claim protection from harmful interference from stations of a primary or permitted service to which frequencies are already assigned or may be assigned at a later date; (c) can claim protection, however, from harmful interference from stations of the same or other secondary service(s) to which frequencies may be assigned at a later date.

Important definitions for terms used in the table include the following:

- *Additional allocation*, where a band is indicated in a footnote of the table as “also allocated” to a service in an area smaller than a *region*, or in a particular country. For example, an allocation that is added in this area or in this country to the service or services which are indicated in the table.
- *Alternative allocation*, where a band is indicated in a footnote of the table as “allocated” to one or more services in an area smaller than a region, or in a particular country. For example, an allocation that replaces, in this area or in this country, the allocation indicated in the table.
- *Different category of service*, where the allocation category (primary, permitted, or secondary) of the service in the table is changed. For example, the table reflects the allocation as Fixed, Mobile, and RADIOLOCATION; the category of these services are changed by the footnote to FIXED, MOBILE, and Radiolocation.
- An *allocation* or a footnote to the government table denoting relative status between radio services automatically applies to each assignment in the band to which the footnote or allocation pertains, unless at the time of a particular frequency assignment action a different provision is decided upon for the assignment concerned.
- A *priority note* reflecting the same provisions as an allocation or an applicable footnote to the government table is redundant and is not applied to frequency assignments.

An assignment that is in conformity with the service allocation (as amplified by pertinent footnotes) for the band in which it is contained takes precedence over assign-

ments therein that are not in conformity unless, at the time of the frequency assignment action, a different provision is decided upon.

Where in the table a band is indicated as allocated to more than one service, such services are listed in the following order:

- *Primary services*, the names of which are printed in all capital letters (example: FIXED)
- *Permitted services*, the names of which are printed in “capitals between oblique strokes” (example: /RADIOLOCATION/)
- *Secondary services*, the names of which are printed in “normal characters” (example: Mobile)

Other details of the table include the following:

- The columns to the right of the double line show the national provisions; those to the left show the provisions of the ITU Table of Frequency Allocations.
- Column 1 indicates the national band limits.
- Column 2 indicates the government allocation, including all “US” and “G” footnotes considered to be applicable to the government nationally. Where the allocated service is followed by a function in parentheses, e.g., SPACE (space-to-Earth), the allocation is limited to the function shown.
- Column 3 indicates the non-government allocation including all “US” footnotes, and certain “NG” footnotes as contained in Part 2 of the FCC Rules and Regulations. Where the allocated service is followed by a function in parentheses, e.g., SPACE (space-to-Earth), the allocation is limited to the function shown. These data have been included in the Government Table for information purposes only.
- Column 4 contains such remarks as serve to amplify the government and non-government allocations or point up understanding between the FCC and IRAC/NTIA in respect thereof.
- The international footnotes shown in the columns to the left of the double line are applicable only in the relationships between the U.S. and other countries. An international footnote is applicable to the U.S. Table of Allocations if the number also appears in Columns 2 and 3 of the U.S. table. The international footnote is then applicable to both government and non-government use.

The texts of footnotes in the table are listed in numerical order at the end of the table, in sections headed Government Footnotes, U.S. Footnotes, International Footnotes, and NG Footnotes. Because of space limitations, the footnotes are not included in this chapter. The complete set of footnotes is available from the National Telecommunications and Information Administration, Washington, D.C. (www.ntia.doc.gov).

The U.S. Government Table of Frequency Allocations is given on the following pages.

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
Below 9 (Not Allocated) 444 445			Below 9	(Not Allocated) 444 445	(Not Allocated) 444 445	
9-14 RADIONAVIGATION			9-14	RADIONAVIGATION US18 US294	RADIONAVIGATION US18 US294	
14-19.95 FIXED MARITIME MOBILE 448 446 447			14-19.95	FIXED MARITIME MOBILE US294 448	Fixed US294 448	
19.95-20.05 STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)			19.95-20.05	STANDARD FREQUENCY AND TIME SIGNAL (20 kHz) US294	STANDARD FREQUENCY AND TIME SIGNAL (20 kHz) US294	FCC Rules and Regulations make no provisions for the licensing of standard frequency stations.
20.05-70 FIXED MARITIME MOBILE 448 447 449			20.05-59	FIXED MARITIME MOBILE US294 448	FIXED US294 448	
			59-61	STANDARD FREQUENCY AND TIME SIGNAL (60 kHz) US294	STANDARD FREQUENCY AND TIME SIGNAL (60 kHz) US294	FCC Rules and Regulations make no provisions for the licensing of standard frequency stations.
			61-70	FIXED MARITIME MOBILE US294 448	FIXED US294 448	
70-72 RADIONAVIGATION 451	70-90 FIXED MARITIME MOBILE 448 MARITIME RADIONAVIGATION 451 Radiolocation 452	70-72 RADIONAVIGATION 451 Fixed Maritime Mobile 448 450	70-90	FIXED MARITIME MOBILE Radiolocation US294 448 451	FIXED Radiolocation US294 448 451	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
72-84 FIXED MARITIME MOBILE 448 RADIONAVIGATION 451 447		72-84 FIXED MARITIME MOBILE 448 RADIONAVIGATION 451				
84-86 RADIONAVIGATION 451		84-86 RADIONAVIGATION 451 Fixed Maritime Mobile 448 450				
86-90 FIXED MARITIME MOBILE 448 RADIONAVIGATION 447		86-90 FIXED MARITIME MOBILE 448 RADIONAVIGATION 451				
90-110 RADIONAVIGATION 453 Fixed 453A 454			90-110	RADIONAVIGATION US18 US104 US294 453	RADIONAVIGATION US18 US104 US294 453	
110-112 FIXED MARITIME MOBILE RADIONAVIGATION 454	110-130 FIXED MARITIME MOBILE MARITIME RADIONAVIGATION 451 Radiolocation 452 454	110-112 FIXED MARITIME MOBILE RADIONAVIGATION 451 454	110-130	FIXED MARITIME MOBILE Radiolocation US294 451 454	FIXED MARITIME MOBILE Radiolocation US294 451 454	
112-115 RADIONAVIGATION 451		112-117.6 RADIONAVIGATION 451 Fixed Maritime Mobile 454 455				

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
115-117.6 RADIONAVIGATION 451 Fixed Maritime Mobile 454 456						
117.6-126 FIXED MARITIME MOBILE RADIONAVIGATION 451 454		117.6-126 FIXED MARITIME MOBILE RADIONAVIGATION 451 454				
126-129 RADIONAVIGATION 451		126-129 RADIONAVIGATION 451 Fixed Maritime Mobile 454 455				
129-130 FIXED MARITIME MOBILE RADIONAVIGATION 451 454		129-130 FIXED MARITIME MOBILE RADIONAVIGATION 451 454				
130-148.5 MARITIME MOBILE /FIXED/ 454 457 148.5-255 BROADCASTING 460 461 462	130-160 FIXED MARITIME MOBILE 454	130-160 FIXED MARITIME MOBILE RADIONAVIGATION 454	130-160	FIXED MARITIME MOBILE US294 454	FIXED MARITIME MOBILE US294 454	
	160-190 FIXED 459	160-190 FIXED Aeronautical Radionavigation	160-190	FIXED MARITIME MOBILE US294 459	FIXED US294 459	
	190-200 AERONAUTICAL RADIONAVIGATION		190-200	AERONAUTICAL RADIONAVIGATION US18 US226 US294	AERONAUTICAL RADIONAVIGATION US18 US226 US294	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
	200-275 AERONAUTICAL RADIONAVIGATION Aeronautical Mo- bile	200-285 AERONAUTICAL RADIONAVIGATION Aeronautical Mo- bile	200-275	AERONAUTICAL RADIONAVIGATION Aeronautical Mobile US18 US294	AERONAUTICAL RADIONAVIGATION Aeronautical Mobile US18 US294	
255-283.5 BROADCASTING /AERONAUTICAL RADIONAVIGATION- /463 462 464	275-285 AERONAUTICAL RADIONAVIGATION Aeronautical Mo- bile Maritime Radionavigation (radiobeacons)		275-285	AERONAUTICAL RADIONAVIGATION Aeronautical Mobile Maritime Radionavigation (radiobeacons) US18 US294	AERONAUTICAL RADIONAVIGATION Aeronautical Mobile Maritime Radionavigation (radiobeacons) US18 US294	
283.5-315 MARITIME RADIONAVIGATION (radiobeacons) 466 /AERONAUTICAL RADIONAVIGATION/ 465 466A	285-315 MARITIME RADIONAVIGATION (radiobeacons) 466 /AERONAUTICAL RADIONAVIGATION/		285-325	MARITIME RADIONAVIGATION (radiobeacons) Aeronautical Radionavigation (Radiobeacons) US18 US294 G121 466	MARITIME RADIONAVIGATION (radiobeacons) Aeronautical Radionavigation (Radiobeacons) US18 US294 466	
315-325 AERONAUTICAL RADIONAVIGATION Maritime Radionavigation (radiobeacons) 466 465 467	315-325 MARITIME RADIONAVIGATION (radiobeacons) 466 Aeronautical Radionavigation	315-325 AERONAUTICAL RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 466				
325-405 AERONAUTICAL RADIONAVIGATION 465	325-335 AERONAUTICAL RADIONAVIGATION Aeronautical Mo- bile Maritime Radionavigation (radiobeacons)	325-405 AERONAUTICAL RADIONAVIGATION Aeronautical Mo- bile	325-335	AERONAUTICAL RADIONAVIGATION (radiobeacons) Aeronautical Mobile Maritime Radionavigation (radiobeacons) US18 US294	AERONAUTICAL RADIONAVIGATION (radiobeacons) Aeronautical Mobile Maritime Radionavigation (radiobeacons) US18 US294	
	335-405 AERONAUTICAL RADIONAVIGATION Aeronautical Mo- bile		335-405	AERONAUTICAL RADIONAVIGATION (radiobeacons) Aeronautical Mobile US18 US294	AERONAUTICAL RADIONAVIGATION (radiobeacons) Aeronautical Mobile US18 US294	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
405-415 RADIONAVIGATION 468 465	405-415 RADIONAVIGATION 468 Aeronautical Mobile		405-415	RADIONAVIGATION Aeronautical Mobile US18 US294 468	RADIONAVIGATION Aeronautical Mobile US18 US294 468	
415-435 AERONAUTICAL RADIONAVIGATION /MARITIME MOBILE- /470 465	415-495 MARITIME MOBILE 470 Aeronautical Radionavigation 470A 469 469A 471 472A		415-435	AERONAUTICAL RADIONAVIGATION MARITIME MOBILE US294 469A 470	AERONAUTICAL RADIONAVIGATION MARITIME MOBILE US294 469A 470	
435-495 MARITIME MOBILE 470 Aeronautical Radionavigation 465 471 472A			435-495	MARITIME MOBILE Aeronautical Radionavigation US231 US294 470 471 472A	MARITIME MOBILE US231 US294 470 471 472A	The frequency 480 kHz is available to low power Government Coast stations for the calibration of ship direction finders on the condition that harmful inter- ference is not caused to the maritime mobile service.
495-505 MOBILE (distress and calling) 472			495-505	MOBILE (distress and calling) 472	MOBILE (distress and calling) 472	500 kHz distress and calling
505-526.5 MARITIME MOBILE 470 /AERONAUTICAL RADIONAVIGATION/ 465 471 474 476	505-510 MARITIME MOBILE 470 471 510-525 MOBILE 474 AERONAUTICAL RADIONAVIGATION	505-526.5 MARITIME MOBILE 470 474 /AERONAUTICAL RADIONAVIGATION/ Aeronautical Mo- bile Land Mobile 471	505-510	MARITIME MOBILE 470 471	MARITIME MOBILE 470 471	
			510-525	AERONAUTICAL RADIONAVIGATION (radiobeacons) MARITIME MOBILE (Ships Only) US14 US18 US225 474	AERONAUTICAL RADIONAVIGATION (radiobeacons) MARITIME MOBILE (Ships Only) US14 US18 US225 474	518 kHz is used for international NAVTEX in the maritime mobile service.

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
	525-535 BROADCASTING 477 AERONAUTICAL RADIONAVIGATION		525-535	AERONAUTICAL RADIONAVIGATION (radiobeacons) MOBILE US18 US221 US239	AERONAUTICAL RADIONAVIGATION (radiobeacons) MOBILE US18 US221 US239	530 kHz Travelers Information Service
526.5-1606.5 BROADCASTING 478		526.5-535 BROADCASTING Mobile 479				
	535-1605 BROADCASTING	535-1606.5 BROADCASTING	535-1605		BROADCASTING NG128	
	1605-1625 BROADCASTING 480		1605-1615	MOBILE US221 480 G127	MOBILE US221 480	1610 kHz Travelers Information Systems
1606.5-1625 MARITIME MOBILE 480A /FIXED/ /LAND MOBILE/ 483 484	480A	1606.5-1800 FIXED MOBILE RADIOLOCATION RADIONAVIGATION 482	1615-1625	US237 US299 480	BROADCASTING US237 US299 480	Broadcasting implementation is subject to decisions of a future Region 2 Administrative Radio Conference.
1625-1635 RADIOLOCATION 487 485 486	1625-1705 BROADCASTING 480 /FIXED/ /MOBILE/ Radiolocation 480A		1625-1705	Radiolocation US238 US299 480	BROADCASTING Radiolocation US238 US299 480	
1635-1800 MARITIME MOBILE 480A /FIXED/ /LAND MOBILE/ 483 484 488	1705-1800 FIXED MOBILE RADIOLOCATION AERONAUTICAL RADIONAVIGATION		1705-1800	FIXED MOBILE RADIOLOCATION US240	FIXED MOBILE RADIOLOCATION US240	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
1800-1810 RADIOLOCATION 487 485 486	1800-1850 AMATEUR	1800-2000 AMATEUR FIXED MOBILE except aero- nautical mobile RADIONAVIGATION Radiolocation	1800-1900		AMATEUR	
1810-1850 AMATEUR 490 491 492 493						
1850-2000 FIXED MOBILE except aero- nautical mobile 484 488 495	1850-2000 AMATEUR FIXED MOBILE except aero- nautical mobile RADIOLOCATION RADIONAVIGATION 494	489	1900-2000	RADIOLOCATION US290	RADIOLOCATION US290	
2000-2025 FIXED MOBILE except aero- nautical mobile (R) 484 495	2000-2065 FIXED MOBILE		2000-2065	FIXED MOBILE	MARITIME MOBILE NG19	2003 kHz, intership frequency on the Great Lakes.
2025-2045 FIXED MOBILE except aero- nautical mobile (R) Meteorological Aids 496 484 495						
2045-2160 MARITIME MOBILE /FIXED/ /LAND MOBILE/ 483 484						
	2065-2107 MARITIME MOBILE 497 498		2065--2107 2065-2068.5	MARITIME MOBILE Ship and coast (telephony) 497	MARITIME MOBILE Ship and coast (telephony) 497	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			2068.5-2078.5	Ship (Wide-band telegraphy, facsimile and space transmission systems) US296	Ship (Wide-band telegraphy, facsimile and space transmission systems) US296	
			2078.5-2089.5	Ship and coast (telephony) 497	Ship and coast (telephony) 497	
			2089.5-2092.5	Ship (Calling, telegraphy)	Ship (Calling, telegraphy)	
			2092.5-2107	Ship and coast (telephony) 497	Ship and coast (telephony) 497	
	2107-2170 FIXED MOBILE		2107-2170	FIXED MOBILE	FIXED LAND MOBILE MARITIME MOBILE NG19	
2160-2170 RADIOLOCATION 487 485 486 499						
2170-2173.5 MARITIME MOBILE			2170-2173.5	MARITIME MOBILE (Telephony)	MARITIME MOBILE (Telephony)	
2173.5-2190.5 MOBILE (distress and calling) 500 500A 500B 501			2173.5-2190.5	MOBILE (distress and calling) US279 500 500A 500B 501	MOBILE (distress and calling) US279 500 500A 500B 501	2182 kHz Distress and Calling
2190.5-2194 MARITIME MOBILE			2190.5-2194	MARITIME MOBILE (Telephony)	MARITIME MOBILE (Telephony)	
2194-2300 FIXED MOBILE except aero- nautical mobile (R) 484 495 502	2194-2300 FIXED MOBILE 502		2194-2495	FIXED MOBILE	FIXED LAND MOBILE MARITIME MOBILE NG19	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
2300-2498 FIXED MOBILE except aero- nautical mobile (R) BROADCASTING 503 495	2300-2495 FIXED MOBILE BROADCASTING 503					
2498-2501 STANDARD FREQUEN- CY AND TIME SIGNAL (2500 kHz)	2495-2501 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)		2495-2505	STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz) G106	STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)	FCC Rules and Regulations make no provisions for licensing of standard fre- quency stations.
2501-2502 STANDARD FREQUENCY AND TIME SIGNAL Space Research						
2502-2625 FIXED MOBILE except aero- nautical mobile (R) 484 495 504	2502-2505 STANDARD FREQUENCY AND TIME					
2625-2650 MARITIME MOBILE MARITIME RADIONAVIGATION 484	2505-2850 FIXED MOBILE		2505-2850	FIXED MOBILE US285	FIXED LAND MOBILE MARITIME MOBILE US285	2635 kHz and 2638 kHz intership frequencies 2738 kHz intership frequency except in Gulf of Mexico 2830 kHz intership frequency in Gulf of Mexico
2650-2850 FIXED MOBILE except aero- nautical mobile (R) 484 495						
2850-3025 AERONAUTICAL MOBILE (R) 501 505			2850-3025	AERONAUTICAL MOBILE (R) US283 501 505	AERONAUTICAL MOBILE (R) US283 501 505	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
3025-3155 AERONAUTICAL MOBILE (OR)			3025-3155	AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)	Operation in the (OR) bands by Non-Government stations shall be authorized only by special ar- rangements between the FCC and the IRAC.
3155-3200 FIXED MOBILE except aeronautical mobile (R) 506 507			3155-3230	FIXED MOBILE except aero- nautical mobile (R)	FIXED MOBILE except aero- nautical mobile (R)	
3200-3230 FIXED MOBILE except aeronautical mobile (R) BROADCASTING 503 506						
3230-3400 FIXED MOBILE except aeronautical mobile BROADCASTING 503 506 508			3230-3400	FIXED MOBILE except aero- nautical mobile Radiolocation	FIXED MOBILE except aero- nautical mobile Radiolocation	
3400-3500 AERONAUTICAL MOBILE (R)			3400-3500	AERONAUTICAL MOBILE (R) US283	AERONAUTICAL MOBILE (R) US283	
3500-3800 AMATEUR 510 FIXED MOBILE except aero- nautical mobile 484	3500-3750 AMATEUR 510 509 511	3500-3900 AMATEUR 510 FIXED MOBILE	3500-4000	510	AMATEUR 510	
3800-3900 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	3750-4000 AMATEUR 510 FIXED MOBILE except aero- nautical mobile (R) 511 512 514 515					

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
3900-3950 AERONAUTICAL MOBILE (OR) 513		3900-3950 AERONAUTICAL MO- BILE BROADCASTING				
3950-4000 FIXED BROADCASTING		3950-4000 FIXED BROADCASTING 516				
4000-4063 FIXED MARITIME MOBILE 517 516			4000-4063	MARITIME MOBILE US236	MARITIME MOBILE US236	See Section 4.3.13 for use.
4063-4438 MARITIME MOBILE 500A 500B 520 520A 520B 518 519			4063-4438 4063-4065 4065-4146 4146-4152 4152-4172	MARITIME MOBILE Ship stations, oceanographic data transmission Ship stations, telephony, duplex operation 520 Ship and coast stations, telephony simplex operation US82 Ship stations, wide-band telegraphy, facsimile and special transmission systems US296	MARITIME MOBILE Ship stations, oceanographic data transmission Ship stations, telephony, duplex operation 520 Ship and coast stations, telephony simplex operation US82 Ship stations, wide-band telegraphy, facsimile and special transmission systems US296	See Annex H for Maritime Mobile channel use.

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			4172-4181.75	Ship stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies) 500B	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies) 500B	
			4181.75- 4186.75	Ship stations, A1A Morse telegraphy, calling	Ship stations, A1A Morse telegraphy, calling	
			4186.75- 4202.25	Ship stations, A1A Morse telegraphy, working	Ship stations, A1A Morse telegraphy, working	
			4202.25- 4207.25	Ship stations, narrow-band direct-printing telegraphy and A1A Morse teleg- raphy, working (non-paired fre- quencies)	Ship stations, narrow-band direct-printing telegraphy and A1A Morse teleg- raphy, working (non-paired frequencies)	
			4207.25- 4209.25	Ship stations, digital selective call- ing 500A	Ship stations, digital selective calling 500A	
			4209.25- 4219.25	Coast stations, narrow-band direct-printing telegraph data transmission systems (paired frequencies) 520B	Coast stations, narrow-band direct-printing telegraph data transmission systems (paired frequencies) 520B	
			4219.25-4221	Coast stations, digital selective call- ing	Coast stations, digital selective calling	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			4221-4351	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	
			4351-4438	Coast stations, telephony, duplex operation	Coast stations, telephony, duplex operation	
4438-4650 FIXED MOBILE except aeronautical mobile (R)		4438-4650 FIXED MOBILE except aero-nautical mobile	4438-4650	FIXED MOBILE except aero-nautical mobile (R)	FIXED MOBILE except aero-nautical mobile (R)	
4650-4700 AERONAUTICAL MOBILE (R)			4650-4700	AERONAUTICAL MOBILE (R) US282 US283	AERONAUTICAL MOBILE (R) US282 US283	
4700-4750 AERONAUTICAL MOBILE (OR)			4700-4750	AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)	Operations in the (OR) bands by Non-Government stations shall be authorized only by special arrangements between the FCC and the IRAC.
4750-4850 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE BROADCASTING 503	4750-4850 FIXED MOBILE except aero-nautical mobile (R) BROADCASTING 503	4750-4850 FIXED BROADCASTING 503 Land Mobile	4750-4850	FIXED MOBILE except aero-nautical mobile (R)	FIXED MOBILE except aero-nautical mobile (R)	
4850-4995 FIXED LAND MOBILE BROADCASTING 503			4850-4995	FIXED MOBILE	FIXED	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
4995-5003 STANDARD FREQUENCY AND TIME SIGNAL (5000 kHz)			4995-5005	STANDARD FREQUENCY AND TIME SIGNAL (5000 kHz) G106	STANDARD FREQUENCY AND TIME SIGNAL (5000 kHz)	FCC Rules and Regulations make no provisions for the licensing of standard fre- quency stations.
5003-5005 STANDARD FREQUENCY AND TIME SIGNAL Space Research						
5005-5060 FIXED BROADCASTING 503			5005-5060	FIXED	FIXED	
5060-5250 FIXED Mobile except aeronautical mobile 521			5060-5450	FIXED Mobile except aero- nautical mobile US212	FIXED Mobile except aero- nautical mobile US212	
5250-5450 FIXED MOBILE except aeronautical mobile						
5450-5480 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	5450-5480 AERONAUTICAL MOBILE (R)	5450-5480 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	5450-5680	AERONAUTICAL MOBILE (R) US283 501 505	AERONAUTICAL MOBILE (R) US283 501 505	
5480-5680 AERONAUTICAL MOBILE (R) 501 505						
5680-5730 AERONAUTICAL MOBILE (OR) 501 505			5680-5730	AERONAUTICAL MOBILE (OR) 501 505	AERONAUTICAL MOBILE (OR) 501 505	Operation in the (OR) bands by Non-Government stations shall be authorized only by special ar- rangements between the FCC and the IRAC.
5730-5900 FIXED LAND MOBILE	5730-5900 FIXED MOBILE except aeronautical mobile (R)	5730-5900 FIXED Mobile except aeronautical mobile (R)	5730-5950	FIXED MOBILE except aero- nautical mobile (R)	FIXED MOBILE except aero- nautical mobile (R)	
5900-5950 BROADCASTING 521A 521B 521C						

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
5950-6200	BROADCASTING		5950-6200	BROADCASTING	BROADCASTING	
6200-6525	MARITIME MOBILE 500A 500B 520 520B		6200-6525	MARITIME MOBILE	MARITIME MOBILE	See Annex H for Maritime Mobile channel use.
522			6200-6224	Ship stations, telephony, duplex operation	Ship stations, telephony, duplex operation	
			520		520	
			6224-6233	Ship and coast stations, telephony, simplex operation	Ship and coast stations, telephony, simplex operation	
			US82		US82	
			6233-6261	Ship stations, wide-band telegraphy, facsimile and special transmission systems	Ship stations, wide-band telegraphy, facsimile and special transmission systems	
			US296		US296	
			6261-6262.75	Ship stations, oceanographic data transmission	Ship stations, oceanographic data transmission	
			6262.75-6275.75	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies)	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies)	
			500B		500B	
			6275.75-6280.75	Ship stations, A1A Morse telegraphy, calling	Ship stations, A1A Morse telegraphy, calling	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			6280.75- 6284.75	Ship stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies)	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies)	
			6284.75- 6300.25	Ship stations, A1A Morse telegraphy, working	Ship stations, A1A Morse telegraphy, working	
			6300.25- 6311.75	Ship stations, narrow-band direct-printing telegraph and A1A Morse teleg- raphy, working (non-paired fre- quencies)	Ship stations, narrow-band direct-printing telegraph and A1A Morse telegraphy, working (non- paired frequencies)	
			6311.75- 6313.75	Ship stations, digital selective call- ing 500A	Ship stations, digital selective calling 500A	
			6313.75- 6330.75	Coast stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies) 520B	Coast stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies) 520B	
			6330.75- 6332.5	Coast stations, digital selective call- ing	Coast stations, digital selective calling	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
7350-8100 FIXED Land Mobile 529						
8100-8195 FIXED MARITIME MOBILE			8100-8195	MARITIME MOBILE US236	MARITIME MOBILE US236	See Section 4.3.13 for use.
8195-8815 MARITIME MOBILE 500A 500B 520B 529A 501			8195-8815 8195-8294 529A 8294-8300 8300-8340 8340-8341.75 8341.75-8365.75 8365.75-8370.75	MARITIME MOBILE Ship stations, telephony, duplex operation Ship and Coast stations, telephony, simplex operation Ship stations, wide-band telegraphy, facsimile, and special transmission systems Ship stations, oceanographic data transmission Ship stations, A1A Morse telegraphy, working Ship stations, A1A Morse telegraphy, calling	MARITIME MOBILE Ship stations, telephony, duplex operation 529A Ship and Coast stations, telephony, simplex operation US82 Ship stations, wide-band telegraphy, facsimile, and special transmission systems US296 Ship stations, oceanographic data transmission Ship stations, A1A Morse telegraphy, working 501 Ship stations, A1A Morse telegraphy, calling	See Annex H for Maritime Mobile channel use.

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			8370.75- 8376.25	Ship stations, A1A Morse telegraphy, working	Ship stations, A1A Morse telegraphy, working	
			8376.25- 8396.25	Ship stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies) 500B	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies) 500B	
			8396.25- 8414.25	Ship stations, narrow-band direct-printing telegraphy and A1A Morse teleg- raphy, working (non-paired fre- quencies)	Ship stations, narrow-band direct-printing telegraphy and A1A Morse teleg- raphy, working (non-paired frequencies)	
			8414.25- 8416.25	Ship stations, digital selective call- ing 500A	Ship stations, digital selective calling 500A	
			8416.25- 8436.25	Coast stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies) 520B	Coast stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies) 520B	
			8436.25-8438	Coast stations, digital selective call- ing	Coast stations, digital selective calling	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			8438-8707	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	
			8707-8815	Coast stations, telephony, duplex operation	Coast stations, telephony, duplex operation	
8815-8965	AERONAUTICAL MOBILE (R)		8815-8965	AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)	
8965-9040	AERONAUTICAL MOBILE (OR)		8965-9040	AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)	Operation in the (OR) bands by Non-Government stations shall be authorized only by special ar- rangements between the FCC and the IRAC.
9040-9400	FIXED		9040-9500	FIXED	FIXED	
9400-9500	BROADCASTING 521A 521B 529B					
9500-9900	BROADCASTING 530 531		9500-9900	BROADCASTING US235	BROADCASTING US235	
9900-9995	FIXED		9900-9995	FIXED	FIXED	
9995-10003	STANDARD FREQUENCY AND TIME SIGNAL (10000 kHz) 501		9995-10005	STANDARD FREQUENCY AND TIME SIGNAL (10000 kHz)	STANDARD FREQUENCY AND TIME SIGNAL (10000 kHz)	FCC Rules and Regulations make no provisions for the licensing of standard fre- quency stations.

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TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
10003-10005 STANDARD FREQUENCY AND TIME SIGNAL Space Research 501						
10005-10100 AERONAUTICAL MOBILE (R) 501			10005-10100	AERONAUTICAL MOBILE (R) US283 501	AERONAUTICAL MOBILE (R) US283 501	
10100-10150 FIXED Amateur 510			10100-10150	 US247 510	AMATEUR US247 510	
10150-11175 FIXED Mobile except aeronautical mobile (R)			10150-11175	FIXED Mobile except aero- nautical mobile (R)	FIXED Mobile except aero- nautical mobile (R)	
11175-11275 AERONAUTICAL MOBILE (OR)			11175-11275	AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)	Operation in the (OR) bands by Non-Government stations shall be authorized only by special ar- rangement between the FCC and the IRAC.
11275-11400 AERONAUTICAL MOBILE (R)			11275-11400	AERONAUTICAL MOBILE (R) US283	AERONAUTICAL MOBILE (R) US283	
11400-11600 FIXED			11400-11650	FIXED	FIXED	
11600-11650 BROADCASTING 521A 521B 529B						
11650-12050 BROADCASTING 530 531			11650-12050	BROADCASTING US235	BROADCASTING US235	
12050-12100 BROADCASTING 521A 521B 529B			12050-12230	FIXED	FIXED	
12100-12230 FIXED						

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
12230-13200 MARITIME MOBILE 500A 500B 520B 529A			12230-13200	MARITIME MOBILE	MARITIME MOBILE	See Annex H for Maritime Mobile channel use.
			12230-12353	Ship stations, telephony, duplex operation	Ship stations, telephony, duplex operation	
				529A	529A	
			12353-12368	Ship and Coast stations, telephony, simplex operation	Ship and Coast stations, telephony, simplex operation	
				US82	US82	
			12368-12420	Ship stations, wide-band telegraphy, facsimile and special transmission systems	Ship stations, wide-band telegraphy, facsimile and special transmission systems	
				US296	US296	
			12420- 12421.75	Ship stations, oceanographic data transmission	Ship stations, oceanographic data transmission	
	12421.75- 12476.75	Ship stations, A1A Morse telegraphy, working	Ship stations, A1A Morse telegraphy, working			
	12476.75- 12549.75	Ship stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies)	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies)			
		500B	500B			
	12549.75- 12554.75	Ship stations, A1A Morse telegraphy, calling	Ship stations, A1A Morse telegraphy, calling			

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			12554.75- 12559.75	Ship stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies)	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies)	
			12559.75- 12576.75	Ship stations, narrow-band direct-printing telegraphy and A1A Morse teleg- raphy, working (non-paired frequen- cies)	Ship stations, narrow-band direct-printing telegraphy and A1A Morse teleg- raphy, working (non-paired frequencies)	
			12576.75- 12578.75	Ship stations, digital selective call- ing 500A	Ship stations, digital selective calling 500A	
			12578.75- 12656.75	Coast stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies) 520B	Coast stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies) 520B	
			12656.75- 12658.5	Coast stations, digital selective call- ing	Coast stations, digital selective calling	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			12658.5-13077	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	
			13077-13200	Coast stations, telephony, duplex operation	Coast stations, telephony, duplex operation	
13200-13260			13200-13260	AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)	Operation in the (OR) bands by Non-Government stations shall be authorized only by special arrangement between the FCC and the IRAC.
			13260-13360	AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)	
13360-13410			13360-13410	RADIO ASTRONOMY	RADIO ASTRONOMY	
			13410-13570	FIXED Mobile except aeronautical mobile (R)	FIXED	ISM 13560 ± 7 kHz
			13570-13600	BROADCASTING 521A 521B 534A	534	
13600-13800			13600-13800	BROADCASTING	BROADCASTING	
				US235	US235	
						531

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
13800-13870 BROADCASTING 521A 521B 534A			13800-14000	FIXED Mobile except aero- nautical mobile (R)	FIXED	
13870-14000 FIXED Mobile except aeronautical mobile (R)						
14000-14250 AMATEUR 510 AMATEUR-SATELLITE			14000-14250	510	AMATEUR AMATEUR-SATELLITE 510	
14250-14350 AMATEUR 510 535			14250-14350	510	AMATEUR 510	
14350-14990 FIXED Mobile except aeronautical mobile (R)			14350-14990	FIXED Mobile except aero- nautical mobile (R)	FIXED	
14990-15005 STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz) 501			14990-15010	STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz) 501 G106	STANDARD FREQUENCY AND TIME SIGNAL (15 000 kHz) 501	FCC Rules and Regulations make no provisions for the licensing of standard fre- quency stations.
15005-15010 STANDARD FREQUENCY AND TIME SIGNAL Space Research						
15010-15100 AERONAUTICAL MOBILE (OR)			15010-15100	AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)	Operation in the (OR) bands by Non-Government stations shall be authorized only by special ar- rangement between the FCC and the IRAC.
15100-15600 BROADCASTING 531			15100-15600	BROADCASTING US235	BROADCASTING US235	
15600-15800 BROADCASTING 521A 521B 529B			15600-16360	FIXED	FIXED	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
15800-16360 FIXED 536						
16360-17410 MARITIME MOBILE 500A 500B 520B 529A			16360-17410	MARITIME MOBILE	MARITIME MOBILE	See Annex H for Maritime Mobile channel use.
			16360-16528	Ship stations, telephony, duplex operation 529A	Ship stations, telephony, duplex operation 529A	
			16528-16549	Ship and Coast stations, telephony, simplex operation US82	Ship and Coast stations, telephony, simplex operation US82	
			16549-16617	Ship stations, wide-band telegraphy, facsimile, and special transmission systems US296	Ship stations, wide-band telegraphy, facsimile, and special transmission systems US296	
			16617- 16618.75	Ship stations, oceanographic data transmission	Ship stations, oceanographic data transmission	
			16618.75- 16683.25	Ship stations, A1A Morse telegraphy, working	Ship stations, A1A Morse telegraphy, working	
			16683.25- 16733.75	Ship stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies) 500B	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies) 500B	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			16733.75- 16738.75	Ship stations, AlA Morse telegraphy, calling	Ship stations, AlA Morse telegraphy, calling	
			16738.75- 16784.75	Ship stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired fre- quencies)	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies)	
			16784.75- 16804.25	Ship stations, narrow-band direct-printing and AlA Morse telegraphy, working (non- paired frequencies)	Ship stations, narrow-band direct-printing and AlA Morse telegraphy, working (non- paired frequencies)	
			16804.25- 16806.25	Ship stations, digital selective call- ing 500A	Ship stations, digital selective calling 500A	
			16806.25- 16902.75	Coast stations, narrow-band direct-printing telegraph and data transmis- sion systems (paired fre- quencies) 520B	Coast stations, narrow-band direct-printing telegraph and data transmission systems (paired frequencies) 520B	
			16902.75- 16904.5	Coast stations, digital selective call- ing	Coast stations, digital selective calling	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			16904.5-17242	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	
			17242-17410	Coast stations, telephony, duplex operation	Coast stations, telephony, duplex operation	
17410-17480 FIXED			17410-17550	FIXED	FIXED	
17480-17550 BROADCASTING 521A 521B 529B						
17550-17900 BROADCASTING 531			17550-17900	BROADCASTING US235	BROADCASTING US235	
17900-17970 AERONAUTICAL MOBILE (R)			17900-17970	AERONAUTICAL MOBILE (R) US283	AERONAUTICAL MOBILE (R) US283	
17970-18030 AERONAUTICAL MOBILE (OR)			17970-18030	AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)	Operation in the (OR) bands by Non-Government stations shall be authorized only by special arrangement between the FCC and the IRAC.
18030-18052 FIXED			18030-18068	FIXED	FIXED	
18052-18068 FIXED Space Research						

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
18068-18168 AMATEUR 510 AMATEUR-SATELLITE 538			18068-18168	510	AMATEUR AMATEUR-SATELLITE 510	
18168-18780 FIXED Mobile except aeronautical mobile			18168-18780	FIXED Mobile	FIXED Mobile	
18780-18900 MARITIME MOBILE			18780-18900	MARITIME MOBILE	MARITIME MOBILE	See Annex H for Maritime Mobile channel use.
			18780-18825	Ship stations, telephony, duplex operation	Ship stations, telephony, duplex operation	
			18825-18846	Ship and Coast stations, telephony, simplex operation US82	Ship and Coast stations, telephony, simplex operation US82	
			18846-18870	Ship stations, wide-band telegraphy, facsimile, and special transmission systems US296	Ship stations, wide-band telegraphy, facsimile, and special transmission systems US296	
			18870- 18892.75	Ship stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired fre- quencies)	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies)	
			18892.75- 18898.25	Ship stations, narrow-band direct-printing telegraphy and ALA Morse teleg- raphy, working (non-paired fre- quencies)	Ship stations, narrow-band direct-printing telegraphy and ALA Morse teleg- raphy, working (non-paired frequencies)	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			18898.25- 18899.75	Ship stations, digital selective call- ing	Ship stations, digital selective calling	
18900-19020 BROADCASTING 521A 521B 529B			18900-19680	FIXED	FIXED	
19020-19680 FIXED						
19680-19800 MARITIME MOBILE 520B			19680-19800	MARITIME MOBILE	MARITIME MOBILE	See Annex H for Maritime Mobile channel use.
			19680.25- 19703.25	Coast stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired fre- quencies)	Coast stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies)	
				520B	520B	
			19703.25- 19705	Coast stations, digital selective call- ing	Coast stations, digital selective calling	
			19705-19755	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	
			19755-19800	Coast stations, telephony, duplex operation	Coast stations, telephony, duplex operation	
19800-19990 FIXED			19800-19990	FIXED	FIXED	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
19990-19995 STANDARD FREQUENCY AND TIME SIGNAL Space Research 501			19990-20010	STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz)	STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz)	FCC Rules and Regulations make no provisions for the licensing of standard fre- quency stations.
19995-20010 STANDARD FREQUENCY AND TIME SIGNAL (20 000 kHz) 501				501 G106	501	
20010-21000 FIXED Mobile			20010-21000	FIXED Mobile	FIXED	
21000-21450 AMATEUR 510 AMATEUR-SATELLITE			21000-21450	510	AMATEUR AMATEUR-SATELLITE 510	
21450-21850 BROADCASTING 531			21450-21850	BROADCASTING US235	BROADCASTING US235	
21850-21870 FIXED 539			21850-21924	FIXED	FIXED	
21870-21924 AERONAUTICAL FIXED						
21924-22000 AERONAUTICAL MOBILE (R)			21924-22000	AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (R)	
22000-22855 MARITIME MOBILE 520B 540			22000-22855	MARITIME MOBILE	MARITIME MOBILE	See Annex H for Maritime Mobile channel use.
			22000-22159	Ship stations, telephony, duplex operation	Ship stations, telephony, duplex operation	
			22159-22180	Ship and Coast stations, telephony, simplex operation US82	Ship and Coast stations, telephony, simplex operation US82	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			22180-22240	Ship stations, wide-band telegraphy, facsimile and special transmission systems US296	Ship stations, wide-band telegraphy, facsimile and special transmission systems US296	
			22240-22241.75	Ship stations, oceanographic data transmission	Ship stations, oceanographic data transmission	
			22241.75-22279.25	Ship stations, A1A Morse telegraphy, working	Ship stations, A1A Morse telegraphy, working	
			22279.25-22284.25	Ship stations, A1A Morse telegraphy, calling	Ship stations, A1A Morse telegraphy, calling	
			22284.25-22351.75	Ship stations, narrow-band direct-printing telegraphy and data transmission systems, working (paired frequencies)	Ship stations, narrow-band direct-printing telegraphy and data transmission systems, working (paired frequencies)	
			22351.75-22374.25	Ship stations, narrow-band direct-printing telegraphy and A1A Morse telegraphy, working (non-paired frequencies)	Ship stations, narrow-band direct-printing telegraphy and A1A Morse telegraphy, working (non-paired frequencies)	
			22374.25-22375.75	Ship stations, digital selective calling	Ship stations, digital selective calling	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			22375.75- 22443.75	Coast stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies) 520B	Coast stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies) 520B	
			22443.75- 22445.5	Coast stations, digital selective call- ing	Coast stations, digital selective calling	
			22445.5-22696	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission and direct-printing telegraphy systems	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission and direct-printing telegraphy systems	
			22696-22855	Coast stations, telephony, duplex operation	Coast stations, telephony, duplex operation	
22855-23000 FIXED 540			22855-23000	FIXED	FIXED	
23000-23200 FIXED Mobile except aeronautical mobile (R) 540			23000-23200	FIXED Mobile except aero- nautical mobile (R)	FIXED	
23200-23350 AERONAUTICAL FIXED AERONAUTICAL MOBILE (OR)			23200-23350	AERONAUTICAL MOBILE (OR)	AERONAUTICAL MOBILE (OR)	Operation in the (OR) bands by Non-Government stations shall be authorized only by special ar- rangement between the FCC and the IRAC.

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
23350-24000 FIXED MOBILE except aeronautical mobile 541 542			23350-24890	FIXED MOBILE except aero- nautical mobile	FIXED	
24000-24890 FIXED LAND MOBILE 542						
24890-24990 AMATEUR 510 AMATEUR-SATELLITE 542			24890-24990	510	AMATEUR AMATEUR-SATELLITE 510	
24990-25005 STANDARD FREQUENCY AND TIME SIGNAL (25000 kHz)			24990-25010	STANDARD FREQUENCY AND TIME SIGNAL (25000 kHz)	STANDARD FREQUENCY AND TIME SIGNAL (25000 kHz)	
25005-25010 STANDARD FREQUENCY AND TIME SIGNAL Space Research				G106		
25010-25070 FIXED MOBILE except aeronautical mobile			25010-25070		LAND MOBILE NG112	25.02-25.06 kHz Industrial
25070-25210 MARITIME MOBILE			25070-25210	MARITIME MOBILE US281	MARITIME MOBILE US281 NG112	See Annex H for Maritime Mobile channel use.
			25070-25100	Ship stations, telephony, duplex operation	Ship stations, telephony, duplex operation	
			25100-25121	Ship and Coast stations, telephony, simplex operation US82	Ship and Coast stations, telephony, simplex operation US82	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			25121-25161.25	Ship stations, wide-band telegraphy, facsimile, and special transmission systems US296	Ship stations, wide-band telegraphy, facsimile, and special transmission systems US296	
			25161.25-25171.25	Ship stations, A1A Morse telegraphy, working	Ship stations, A1A Morse telegraphy, working	
			25171.25-25172.75	Ship stations, A1A Morse telegraphy, calling	Ship stations, A1A Morse telegraphy, calling	
			25172.75-25192.75	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies)	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies)	
			25192.75-25208.25	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (non-paired frequencies)	Ship stations, narrow-band direct-printing telegraphy and data transmission systems (non-paired frequencies)	
			25208.25-25210	Ship stations, digital selective calling	Ship stations, digital selective calling	
25210-25550 FIXED MOBILE except aeronautical mobile			25210-25330		LAND MOBILE	25.12-25.32 kHz Industrial
			25330-25550	FIXED MOBILE except aero- nautical mobile		

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
25550-25670 RADIO ASTRONOMY 545			25550-25670	RADIO ASTRONOMY US74 545	RADIO ASTRONOMY US74 545	
25670-26100 BROADCASTING			25670-26100	BROADCASTING US25	BROADCASTING US25	International broadcasting
26100-26175 MARITIME MOBILE 520B			26100-26175	MARITIME MOBILE	MARITIME MOBILE	See Annex H for Maritime Mobile channel use.
			26100.25- 26120.75	Coast stations, narrow-band direct-printing telegraphy and data transmis- sion systems (paired frequen- cies) 520B	Coast stations, narrow-band direct-printing telegraphy and data transmission systems (paired frequencies) 520B	
			26120.75- 26122.5	Coast stations, digital selective call- ing	Coast stations, digital selective calling	
			26122.5-26145	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	Coast stations, wide-band and A1A Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	
			26145-26175	Coast stations, telephony, duplex operation	Coast stations, telephony, duplex operation	
26175-27500 FIXED MOBILE except aeronautical mobile 546			26175-26480		LAND MOBILE	
			26480-26950	FIXED MOBILE except aero- nautical mobile US10	US10	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 kHz	Region 2 kHz	Region 3 kHz	Band kHz	Government Allocation	Non-Govt. Allocation	Remarks
			26950-26960	546	FIXED 546	26.955 kHz International fixed public
			26960-27230	546	MOBILE except aero- nautical mobile 546	ISM 27120 ± 160 kHz
			27230-27410	546	FIXED MOBILE except aero- nautical mobile 546	ISM 27120 ± 160 kHz Personal Public Safety Industrial Land Transportation

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
27.5-28 METEOROLOGICAL AIDS FIXED MOBILE			27.41-27.54		LAND MOBILE	Industrial
			27.54-28	FIXED MOBILE US298		
28-29.7 AMATEUR AMATEUR-SATELLITE			28-29.7		AMATEUR AMATEUR-SATELLITE	
29.7-30.005 FIXED MOBILE			29.7-29.8		LAND MOBILE	Industrial
			29.8-29.89		FIXED	29.81-29.88 MHz Aeronautical fixed International fixed public
			29.89-29.91	FIXED MOBILE		See Section 4.3.6 of the NTIA Manual for Channeling Plan.
			29.91-30		FIXED	29.92-29.99 MHz Aeronautical fixed International fixed public
30.005-30.01 SPACE OPERATION (satellite identification) FIXED MOBILE SPACE RESEARCH			30-30.56	FIXED MOBILE		See Section 4.3.6 of the NTIA Manual for Channeling Plan.
30.01-37.5 FIXED MOBILE			30.56-32		LAND MOBILE NG124	Industrial Land Transporta- tion Public Safety

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
			32-33	FIXED MOBILE		See Section 4.3.6 of the NTIA Manual for Channeling Plan.
			33-34		LAND MOBILE NG124	33.00-33.01 MHz Land Transpor- tation 33.01-33.11 MHz Public Safety 33.11-33.41 MHz Industrial 33.41-34 MHz Public Safety
			34-35	FIXED MOBILE		See Section 4.3.6 of the NTIA Manual for Channeling Plan.
			35-36		LAND MOBILE NG124	35.00-35.19 MHz Industrial 35.19-35.69 MHz Domestic Public Industrial Public Safety 35.69-36.00 MHz Industrial
			36-37	FIXED MOBILE US220	US220	See Section 4.3.6 of the NTIA Manual for Channeling Plan.
			37-37.5		LAND MOBILE NG124	37.00-37.01 MHz Industrial 37.01-37.43 MHz Public Safety 37.43-37.5 MHz Industrial

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
37.5-38.25 FIXED MOBILE Radio Astronomy 547			37.5-38	Radio Astronomy 547	LAND MOBILE Radio Astronomy 547 NG59 NG124	37.50-37.89 MHz Industrial 37.89-38.00 Public Safety
			38-38.25	FIXED MOBILE RADIO ASTRONOMY US81 547	RADIO ASTRONOMY US81 547	See Section 4.3.6 of the NTIA Manual for Channeling Plan.
38.25-39.986 FIXED MOBILE			38.25-39	FIXED MOBILE		See Section 4.3.6 of the NTIA Manual for Channeling Plan.
			39-40		LAND MOBILE NG124	Public Safety
39.986-40.02 FIXED MOBILE Space Research			40-42	FIXED MOBILE US210 US220 548	US210 US220 548	See Section 4.3.6 of the NTIA Manual for Channeling Plan. ISM 40.68 ± 0.02 MHz
40.02-40.98 FIXED MOBILE 548						
40.98-41.015 FIXED MOBILE Space Research 549 550						
41.015-44 FIXED MOBILE 549 550			42-46.6		LAND MOBILE NG124 NG141	42.00-42.95 MHz Public Safety 42.95-43.19 MHz Industrial 43.19-43.69 MHz Domestic Public Industrial Public Safety 43.69-44.61 MHz Land Transpor- tation 44.61-46.60 MHz Public Safety

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
44-47 FIXED MOBILE 552						
			46.6-47	FIXED MOBILE		See Section 4.3.6 of the NTIA Manual for Channeling Plan.
47-68 BROADCASTING 553 554 555 559 561	47-50 FIXED MOBILE	47-50 FIXED MOBILE BROADCASTING	47-49.6		LAND MOBILE NG124	47.00-47.43 MHz Public safety 47.43-47.69 MHz Public Safety Industrial 47.69-49.60 Industrial
			49.6-50	FIXED MOBILE		See Section 4.3.6 of the NTIA Manual for Channeling Plan.
	50-54 AMATEUR 556 557 558 560		50-54		AMATEUR	
	54-68 BROADCASTING Fixed Mobile 562	54-68 FIXED MOBILE BROADCASTING	54-72		BROADCASTING NG128 NG149	Television broad- casting
68-74.8 FIXED MOBILE except aero-nautical mobile 564 565 567 568 571	68-72 BROADCASTING Fixed Mobile 563	68-74.8 FIXED MOBILE 566 568 571				
	72-73 FIXED MOBILE		72-73		FIXED MOBILE NG3 NG49 NG56	72.02-72.98 MHz Operational Fixed

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
	73-74.6 RADIO ASTRONOMY 570		73-74.6	RADIO ASTRONOMY US74	RADIO ASTRONOMY US74	
	74.6-74.8 FIXED MOBILE		74.6-74.8	FIXED MOBILE US273 572	FIXED MOBILE US273 572	
74.8-75.2 AERONAUTICAL RADIONAVIGATION 572 572A			74.8-75.2	AERONAUTICAL RADIONAVIGATION 572	AERONAUTICAL RADIONAVIGATION 572	75 MHz Marker beacons.
75.2-87.5 FIXED MOBILE except aero- nautical mobile 565 571 575 578	75.2-75.4 FIXED MOBILE 571		75.2-75.4	FIXED MOBILE US273 572	FIXED MOBILE US273 572	
	75.4-76 FIXED MOBILE	75.4-87 FIXED MOBILE	75.4-76		FIXED MOBILE NG3 NG49 NG56	75.42-75.98 MHz Operational Fixed
	76-88 BROADCASTING Fixed Mobile	573 574 577 579	76-88	576	BROADCASTING 576 NG128 NG129 NG149	Television bro- adcasting
87.5-100 BROADCASTING 581	576	87-100 FIXED MOBILE BROADCASTING				
	88-100 BROADCASTING	580	88-108	US93	BROADCASTING US93 NG2 NG128 NG129	FM broadcasting
100-108 BROADCASTING 584 585 586 587 588 589						
108-117.975 AERONAUTICAL RADIONAVIGATION 590A			108-117.975	AERONAUTICAL RADIONAVIGATION G126 US93	AERONAUTICAL RADIONAVIGATION US93	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
117.975-136 AERONAUTICAL MOBILE (R) 501 591 592 593 594			117.975- 121.9375	AERONAUTICAL MOBILE (R) US26 US28 501 591 592 593	AERONAUTICAL MOBILE (R) US26 US28 501 591 592 593	
			121.9375- 123.0875	US30 US31 US33 US80 US102 US213 591	AERONAUTICAL MO- BILE US30 US31 US33 US80 US102 US213 591	Private aircraft
			123.0875- 123.5875	AERONAUTICAL MO- BILE US32 US33 US112 591 593	AERONAUTICAL MO- BILE US32 US33 US112 591 593	123.1 MHz for SAR Scene-of Action commu- nications (See Section 7.5.4 of the NTIA Manual)
			123.5875- 128.8125	AERONAUTICAL MOBILE (R) US26 591	AERONAUTICAL MOBILE (R) US26 591	
			128.8125- 132.0125	591	AERONAUTICAL MOBILE (R) 591	
			132.0125- 136.00	AERONAUTICAL MOBILE (R) US26 591	AERONAUTICAL MOBILE (R) US26 591	
136-137 AERONAUTICAL MOBILE (R) Fixed Mobile except aeronautical mobile (R) 591 594A 595			136-137	US244 591	AERONAUTICAL MOBILE (R) US244 591	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
137-137.025 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 599B SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R) 596 597 598 599 599A			137- 137.025	SPACE OPERATION (space-to-Earth) METEOROLOGICAL SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) US319 US320 599B US318 599A	SPACE OPERATION (space-to-Earth) METEOROLOGICAL SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) US319 US320 599B US318 599A	
137.025-137.175 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-Satellite (space-to-Earth) 599B Mobile except aeronautical mobile (R) 596 597 598 599 599A			137.025- 137.175	SPACE OPERATION (space-to-Earth) METEOROLOGICAL SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-earth) Mobile-Satellite (space-to-Earth) US319 US320 599B US318 599A	SPACE OPERATION (space-to-Earth) METEOROLOGICAL- SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Mobile-Satellite (space-to-Earth) US319 US320 599B US318 599A	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
137.175-137.825 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 599B SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R)			137.175- 137.825	SPACE OPERATION (space-to-Earth) METEOROLOGICAL SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) US319 US320 599B US318 599A	SPACE OPERATION (space-to-Earth) METEOROLOGICAL SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) US319 US320 599B US318 599A	
137.825-138 SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-Satellite (space-to-Earth) 599B Mobile except aeronautical mobile (R)			137.825-138	SPACE OPERATION (space-to-Earth) METEOROLOGICAL- SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Mobile-Satellite (space-to-Earth) US319 US320 599B US318 599A	SPACE OPERATION (space-to-Earth) METEOROLOGICAL- SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Mobile-Satellite (space-to-Earth) US319 US320 599B US318 599A	
138-143.6 AERONAUTICAL MOBILE (OR) 600 601 602 604	138-143.6 FIXED MOBILE /RADIOLOCATION/ Space Research (space-to-Earth)	138-143.6 FIXED MOBILE Space Research (space-to-Earth) 599 603	138-144	FIXED MOBILE US10 G30	US10	
143.6-143.65 AERONAUTICAL MOBILE (OR) SPACE RESEARCH (space-to-Earth) 601 602 604	143.6-143.65 FIXED MOBILE SPACE RESEARCH (space-to-Earth) /RADIOLOCATION/	143.6-143.65 FIXED MOBILE SPACE RESEARCH (space-to-Earth) 599 603				

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
143.65-144 AERONAUTICAL MOBILE (OR) 600 601 602 604	143.65-144 FIXED MOBILE /RADIOLOCATION/ Space Research (space-to-Earth)	143.65-144 FIXED MOBILE Space Research (space-to-Earth) 599 603				
144-146 AMATEUR 510 AMATEUR-SATELLITE 605 606			144-146		AMATEUR AMATEUR-SATELLITE 510	
146-148 FIXED MOBILE except aeronautical mobile (R)	146-148 AMATEUR 607	146-148 AMATEUR FIXED MOBILE 607	146-148		AMATEUR	
148-149.9 FIXED MOBILE except aeronautical mobile (R) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (space-to-Earth) 599B 608 608A 608C	148-149.9 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 599B 608 608A 608C		148-149.9	FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 599B US319 US320 US323 US325 608 608A US10 G30	MOBILE-SATELLITE (Earth-to-space) 599B US319 US320 US323 US325 608 608A US10	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
149.9-150.05 LAND MOBILE-SATELLITE (Earth-to-space) 599B 609B RADIONAVIGATION-SATELLITE 608B 609 609A			149.9- 150.05	RADIONAVIGATION SATELLITE MOBILE SATELLITE (Earth-to-space) 599B US319 US322 608B 609A	RADIONAVIGATION SATELLITE MOBILE SATELLITE (Earth-to-space) 599B US319 US322 608B 609A	
150.05-153 FIXED MOBILE except aero- nautical mobile RADIO ASTRONOMY	150.05-156.7625 FIXED MOBILE 611 613 613A		150.05- 150.8	FIXED MOBILE US216 G30	US216	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
			150.8- 156.2475	US216 613	LAND MOBILE US216 613 NG4 NG51 NG112 NG117 NG124 NG148	150.80-150.98 MHz Land Transportation 150.98-151.4825 MHz Public Safety 151.4825- 151.4975 MHz Industrial 151.4975-152.000 MHz Industrial Public Safety 152.00-152.255 MHz Domestic Public 152.255-152.465 MHz Land Transportation 152.465-152.495 MHz Industrial 152.495-152.855 MHz Domestic Public 152.885-153.7325 MHz Industrial 153.7325- 154.4825 MHz Industrial Public Safety 154.2 MHz Earth Tele- command 154.4825- 154.6375 MHz Industrial 154.6375- 156.2475 MHz Public Safety
153-154 FIXED MOBILE except aero- nautical mobile (R) Meteorological Aids						
154-156.7625 FIXED MOBILE except aero- nautical mobile (R) 613 613A						
			156.2475- 157.0375	US77 US106 US107 US266 613	MARITIME MOBILE US77 US106 US107 US266 613 NG117	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
156.7625-156.8375 MARITIME MOBILE (distress and calling) 501 613						
156.8375-174 FIXED MOBILE except aero- nautical mobile 613 613B 615	156.8375-174 FIXED MOBILE 613 616 617 618		157.0375- 157.1875	MARITIME MOBILE US214 US266 613 G109	US214 US266 613	
			157.1875- 157.45	US223 US266 613	MARITIME MOBILE LAND MOBILE US223 US266 613 NG111 NG154	
			157.45- 161.575	US266 613	LAND MOBILE US266 613 NG6 NG28 NG70 NG111 NG112 NG124 NG148	157.45-157.725 MHz Land Transportation 157.725-157.755 MHz Industrial 157.755-158.115 MHz Domestic Public 158.115-158.475 MHz Industrial 158.715-159.480 Public Safety 159.480-161.575 MHz Land Transporta- tion
			161.575- 161.625	US77 613	MARITIME MOBILE US77 613 NG6 NG17	
			161.625- 161.775	613	LAND MOBILE 613 NG6	Remote pickup broadcast

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
			161.775- 162.0125	US266 613	MARITIME MOBILE LAND MOBILE US266 613 NG6 NG154	
			162.0125- 173.2	FIXED MOBILE US8 US11 US13 US216 US223 US300 US312 613 G5	US8 US11 US13 US216 US223 US300 US312 613	The Channeling Plan for assign- ments in this band is shown in Section 4.3.7 of the NTIA Manual.
			173.2-173.4		FIXED Land Mobile NG124	Industrial Public Safety
			173.4-174	FIXED MOBILE G5		The Channeling Plan of assign- ments in this band is shown in Section 4.3.7 of the NTIA Manual.
174-223 BROADCASTING 621 623 628 629	174-216 BROADCASTING Fixed Mobile 620	174-223 FIXED MOBILE BROADCASTING 619 624 625 626 630	174-216		BROADCASTING NG115 NG128 NG149	Television broadcasting
	216-220 FIXED MARITIME MOBILE Radiolocation 627 627A		216-220	MARITIME MOBILE Aeronautical Mo- bile Fixed Land Mobile Radiolocation US210 US229 US274 US317 627 G2	MARITIME MOBILE Aeronautical Mobile Fixed Land Mobile US210 US229 US274 US317 627 NG152	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
	220-225 AMATEUR FIXED MOBILE Radiolocation 627		220-222	LAND MOBILE Radiolocation 627 G2	LAND MOBILE 627	The Channeling Plan for Land Mobile assignments in this band is shown in Section 4.3.15 of the NTIA Manual.
			222-225	Radiolocation	AMATEUR	
223-230 BROADCASTING Fixed Mobile 622 628 629 631 632 635		223-230 FIXED MOBILE BROADCASTING AERONAUTICAL RADIONAVIGATION Radiolocation		627 G2	627	
	225-235 FIXED MOBILE	636 637	225-235	FIXED MOBILE G27		The FAA provides air traffic control communications to the military services on selected frequencies in this band.
230-235 FIXED MOBILE 629 632 635 638 639		230-235 FIXED MOBILE AERONAUTICAL RADIONAVIGATION 637				
235-267 FIXED MOBILE 501 592 635 640 641 642			235-267	FIXED MOBILE 501 592 642 G27 G100	501 592 642	The FAA provides air traffic control communications to the military services on selected frequencies in this band.

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
267-272			267-322	FIXED MOBILE		The FAA provides air traffic control communications to the military services on selected frequencies in this band.
272-273						
273-312						
312-315						
315-322				G27 G100		
322-328.6			322-328.6	FIXED MOBILE		The FAA provides air traffic control communications to the military services on selected frequencies in this band.
				G44 G27	G44	
28.6-335.4			28.6-335.4	AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION	
				G45	G45	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
335.4-387 FIXED MOBILE 641			335.4-399.9	FIXED MOBILE G27 G100		The FAA provides air traffic control communications to the military services on selected frequencies in this band.
387-390 FIXED MOBILE Mobile-Satellite (space-to-Earth) 641 641A						
390-399.9 FIXED MOBILE 641						
399.9-400.05 RADIONAVIGATION-SATELLITE 609 645B			399.9-400.05	399.9-400.05 RADIONAVIGATION-SATELLITE MOBILE-SATELLITE (Earth-to-space) US319 US326 645B	399.9-400.05 RADIONAVIGATION-SATELLITE MOBILE-SATELLITE (Earth-to-space) US319 US326 645B	
400.05-400.15 STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz) 646 647			400.05-400.15	STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz) 646	STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz) 646	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
400.15-401 METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 599B SPACE RESEARCH (space-to-Earth) 647A Space Operation (space-to-Earth)			400.15-401	METEOROLOGICAL AIDS (radio- sonde) METEOROLOGICAL SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) 647A MOBILE-SATELLITE (space-to-Earth) 599B US319 US320 US324 Space Operation (space-to-Earth) 647 647B US70	METEOROLOGICAL AIDS (radio- sonde) SPACE RESEARCH (space-to-Earth) 647A MOBILE-SATELLITE (space-to-Earth) 599B US319 US320 US324 Space Operation (space-to-Earth) 647 647B US70	SATELLITE COMMUNICATION (25)
647 647B						
401-402 METEOROLOGICAL AIDS SPACE OPERATION (space-to-Earth) Earth Exploration-Satellite (Earth-to- space) Fixed Meteorological-Satellite (Earth-to-space) Mobile except aeronautical mobile			401-402	METEOROLOGICAL AIDS (Radiosonde) SPACE OPERATION (space-to-Earth) Earth Explora- tion- Satellite (Earth- to-space) Meteorological- Satellite (Earth- to-space) US70	METEOROLOGICAL AIDS (Radiosonde) SPACE OPERATION (space-to-Earth) Earth Explora- tion- Satellite (Earth- to-space) Meteorological- Satellite (Earth- to-space) US70	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
402-403	METEOROLOGICAL AIDS Earth Exploration-Satellite (Earth-to-space) Fixed Meteorological-Satellite (Earth-to-space) Mobile except aeronautical mobile		402-403	METEOROLOGICAL AIDS (Radiosonde) Earth Exploration-Satellite (Earth-to-space) Meteorological-Satellite (Earth-to-space) US70	METEOROLOGICAL AIDS (Radiosonde) Earth Exploration-Satellite (Earth-to-space) Meteorological-Satellite (Earth-to-space) US70	
403-406	METEOROLOGICAL AIDS Fixed Mobile except aeronautical mobile 648		403-406	METEOROLOGICAL AIDS (Radiosonde) US70 G6	METEOROLOGICAL AIDS (Radiosonde) US70	
406-406.1	MOBILE-SATELLITE (Earth-to-space) 649 649A		406-406.1	MOBILE-SATELLITE (Earth-to-space) 649 649A	MOBILE-SATELLITE (Earth-to-space) 649 649A	Satellite Emergency Position Indicating Radiobeacon (EPIRB).
406.1-410	FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY 648 650		406.1-410	FIXED MOBILE RADIO ASTRONOMY US13 US74 US117 G5 G6	RADIO ASTRONOMY US13 US74 US117	The Channeling Plan for assignments in these bands are shown in Section 4.3.9 of the NTIA Manual.
410-420	FIXED MOBILE except aeronautical mobile Space Research (space-to-space) 651A		410-420	FIXED MOBILE Space Research (space-to-space) US13 G5 651A	US13	
420-430	FIXED MOBILE except aeronautical mobile Radiolocation 651 652 653		420-450	RADIOLOCATION US7 US87 US217 US228 US230 664 668 G2 G8	Amateur US7 US87 US217 US228 US230 664 668 NG135	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
430-440 AMATEUR RADIOLOCATION 653 654 655 656 657 658 659 661 662 663 664 665	430-440 RADIOLOCATION Amateur 653 658 659 660 660A 663 664					
440-450 FIXED MOBILE except aeronautical mobile Radiolocation 651 652 653 666 667 668						
450-460 FIXED MOBILE 653 668 669 670			450-460	US87 668 669 670	LAND MOBILE US87 668 669 670 NG12 NG112 NG124 NG148	450-451 MHz Re- mote pickup broad- cast 451-454 MHz Public Safety Industrial Land Transportation 454-455 MHz Domestic Public 455-456 MHz Re- mote pickup broad- cast 456-459 MHz Public Safety Industrial Land Transportation 459-460 MHz Domestic Public

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
460-470 FIXED MOBILE Meteorological-Satellite (space-to-Earth) 669 670 671 672			460-470	Meteorological-Satellite (space-to-Earth) US201 US209 US216 669 670 671	LAND MOBILE US201 US209 US216 669 670 671 NG124	460-462.5375 MHz Public Safety Industrial Land Transportation 462.5375- 462.7375 MHz Personal 462.7375- 467.5375 MHz Public Safety Industrial Land Transportation 467.5375- 467.7375 MHz Personal 467.7375-470 MHz Public Safety Industrial Land Transportation
470-790 BROADCASTING 676 677A 683 684 685 686 686A 687 689 693 694	470-512 BROADCASTING Fixed Mobile 674 675 512-608 BROADCASTING 678	470-585 FIXED MOBILE BROADCASTING 673 677 679 585-610 FIXED MOBILE BROADCASTING RADIONAVIGATION 688 689 690	470-512		BROADCASTING LAND MOBILE NG66 NG114 NG127 NG128 NG149	Broadcasting Public Safety Industrial Land Transportation Domestic Public Television broadcasting

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
	608-614 RADIO ASTRONOMY Mobile-Satellite except aeronauti- cal mobile- satel- lite (Earth- to-space)		608-614	RADIO ASTRONOMY US74 US246	RADIO ASTRONOMY US74 US246	
		610-890 FIXED MOBILE BROADCASTING				
	614-806 BROADCASTING Fixed Mobile	677 688 689 690 691 693 701	614-806		BROADCASTING NG30 NG43 NG128 NG149	
790-862 FIXED BROADCASTING	675 692 692A 693					
694 695 695A 696 697 700B 702	806-890 FIXED MOBILE BROADCASTING 692A 700 700A		806-902	US116 US268 704A G2	LAND MOBILE US116 US268 704A NG30 NG43 NG63 NG151	806-821 MHz Conventional and Trunked Systems 821-824 MHz Public Safety 824-825 MHz Cellular 825-849 MHz Cellular 849-851 MHz Reserve 851-866 MHz Conventional and Trunked Systems 866-869 MHz Public Safety 869-870 MHz Cellular 890-894 MHz Cellular 894-896 MHz Reserve 896-901 MHz Private Land Mobile 901-902 MHz Reserve
862-890 FIXED MOBILE except aero- nautical mobile BROADCASTING 703 700B 704						
890-942 FIXED MOBILE except aero- nautical mobile BROADCASTING 703 Radiolocation 704	890-902 FIXED MOBILE except aero- nautical mobile Radiolocation 700A 704A 705	890-942 FIXED MOBILE BROADCASTING Radiolocation 706				

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
	902-928 FIXED Amateur Mobile except aero- nautical mobile Radiolocation 705 707 707A		902-928	RADIOLOCATION US215 US218 US267 US275 707 G11 G59	US215 US218 US267 US275 707	ISM 915 ± 13 MHz
	928-942 FIXED MOBILE except aero- nautical mobile Radiolocation 705		928-929	US116 US215 US268 G2	FIXED US116 US215 US268 NG120	
			929-932	US116 US215 US268 G2	LAND MOBILE US116 US215 US268 NG120	
			932-935	FIXED US215 US268 G2	FIXED US215 US268 NG120	The Channeling Plan for assign- ments in this band is shown in Section 4.3.14 of the NTIA Manual.
			935-940	US116 US215 US268 G2	LAND MOBILE US116 US215 US268 N120	
			940-941	US116 US268 G2	MOBILE US116 US268	
			941-944	FIXED US268 US301 US302 G2	FIXED US268 US301 US302 NG64 NG120	The Channeling Plan for assign- ments in this band is shown in Section 4.3.14 of the NTIA Manual.
942-960 FIXED MOBILE except aero- nautical mobile BROADCASTING 703 704	942-960 FIXED MOBILE	942-960 FIXED MOBILE BROADCASTING 701	944-960		FIXED NG64 NG120	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
960-1215 AERONAUTICAL RADIONAVIGATION 709			960-1215	AERONAUTICAL RADIONAVIGATION US224 709	AERONAUTICAL RADIONAVIGATION US224 709	
1215-1240 RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) 710 711 712 712A 713			1215-1240	RADIOLOCATION RADIONAVIGATION- SATELLITE (space- to-Earth) 713 G56	713	
1240-1260 RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) 710 Amateur 711 712 712A 713 714			1240-1300	RADIOLOCATION 664 713 714 G56	Amateur 664 713 714	
1260-1300 RADIOLOCATION Amateur 664 711 712 712A 713 714						
1300-1350 AERONAUTICAL RADIONAVIGATION 717 Radiolocation 715 716 718			1300-1350	AERONAUTICAL RADIONAVIGATION Radiolocation 717 718 G2	AERONAUTICAL RADIONAVIGATION 717 718	
1350-1400 FIXED MOBILE RADIOLOCATION 718 719 720	1350-1400 RADIOLOCATION 714 718 720		1350-1400	FIXED MOBILE RADIOLOCATION US311 714 718 720 G2 G27 G114	US311 714 718 720	
1400-1427 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 721 722			1400-1427	EARTH EXPLORA- TION- SATELLITE (Passive) RADIO ASTRONOMY SPACE RESEARCH (Passive) US74 US246 722	EARTH EXPLORA- TION- SATELLITE (Passive) RADIO ASTRONOMY SPACE RESEARCH (Passive) US74 US246 722	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
1427-1429 SPACE OPERATION (Earth-to-space) FIXED MOBILE except aeronautical mobile 722			1427-1429	FIXED MOBILE except aero- nautical mobile SPACE OPERATION (Earth-to-space) 722 G30	SPACE OPERATION (Earth-to-space) Land Mobile (Telemetry and telecommand) Fixed (Telemetry)	
1429-1452 FIXED MOBILE except aeronautical mobile 722 723B	1429-1452 FIXED MOBILE 723 722		1429-1435	FIXED MOBILE 722 G30	Land Mobile (Telemetry and telecommand) Fixed (Telemetry)	
1452-1492 FIXED MOBILE except aeronautical mobile BROADCASTING 722A 722B BROADCASTING- SATELLITE 722A 722B 722 723B	1452-1492 FIXED MOBILE 723 BROADCASTING 722A 722B BROADCASTING-SATELLITE 722A 722B 722 722C		1435-1525	MOBILE (Aeronautical telemetry)	MOBILE (Aeronautical telemetry)	
1492-1525 FIXED MOBILE except aeronautical mobile 722 723B	1492-1525 FIXED MOBILE 723 MOBILE-SATELLITE (space-to-Earth) 722 722C 723C	1492-1525 FIXED MOBILE 723		US78 722	US78 722	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
1525-1530 SPACE OPERATION (space-to-Earth) FIXED MARITIME MOBILE-SATELLITE (space-to-Earth) Earth Exploration-Satellite Land Mobile Satellite (space-to-Earth) 726B Mobile except aeronautical mobile 724 722 723B 725 726A 726D	1525-1530 SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Earth Exploration-Satellite Fixed Mobile 723 722 723A 726A 726D	1525-1530 SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) Earth Exploration-Satellite Mobile 723 724 722 726A 726D	1525-1530	MOBILE-SATELLITE (Space-to-Earth) Mobile (Aeronautical telemetry) 722 726A US78	MOBILE-SATELLITE (Space-to-Earth) Mobile (Aeronautical telemetry) 722 726A US78	
1530-1533 SPACE OPERATION (space-to-Earth) MARITIME MOBILE-SATELLITE (space-to-Earth) LAND MOBILE-SATELLITE (space-to-Earth) Earth Exploration-Satellite Fixed Mobile except aeronautical mobile 722 723B 726A 726D	1530-1533 SPACE OPERATION (space-to-Earth) MARITIME MOBILE-SATELLITE (space-to-Earth) LAND MOBILE-SATELLITE (space-to-Earth) Earth Exploration-Satellite Fixed Mobile 723 722 726A 726C 726D		1530-1535	MARITIME MOBILE-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Mobile (Aeronautical telemetering) US78 US272 US315 722 726A	MARITIME MOBILE-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Mobile (Aeronautical telemetering) US78 US272 US315 722 726A	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
1533-1535 SPACE OPERATION (space-to-Earth) MARITIME MOBILE- SATELLITE (space- to-Earth) Earth Exploration- Satellite Fixed Mobile except aero- nautical mobile Land Mobile- Satellite (space- to-Earth) 726B 722 723B 726A 726D	1533-1535 SPACE OPERATION (space-to-Earth) MARITIME MOBILE-SATELLITE (space- to-Earth) Earth Exploration-Satellite Fixed Mobile 723 Land Mobile-Satellite (space-to- Earth) 726B 722 726A 726C 726D					
1535-1544 MARITIME MOBILE-SATELLITE (space-to-Earth) Land Mobile-Satellite (space-to-Earth) 726B 722 726A 726C 726D 727			1535-1544	MARITIME MOBILE- SATELLITE (space- to-Earth) MOBILE-SATELLITE (space-to-Earth) US315 722 726A	MARITIME MOBILE- SATELLITE (space- to-Earth) MOBILE-SATELLITE (space-to-Earth) US315 722 726A	
1544-1545 MOBILE-SATELLITE (space-to-Earth) 722 726D 727 727A			1544-1545	MOBILE-SATELLITE (space-to-Earth) 722 727A	MOBILE-SATELLITE (space-to-Earth) 722 727A	
1545-1555 AERONAUTICAL MOBILE-SATELLITE (R) (space-to-Earth) 722 726A 726D 727 729 729A 730			1545-1549.5	AERONAUTICAL MOBILE-SATELLITE (R) (space-to- Earth) Mobile-Satellite (space-to-Earth) US308 US309 722 726A	AERONAUTICAL MOBILE-SATELLITE (R) (space-to- Earth) Mobile-Satellite (space-to-Earth) US308 US309 722 726A	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
1555-1559 LAND MOBILE-SATELLITE (space-to-Earth) 722 726A 726D 727 730 730A 730B 730C			1549.5- 1558.5	AERONAUTICAL MOBILE-SATELLITE (R) (space-to- Earth) MOBILE-SATELLITE (space-to-Earth)	AERONAUTICAL MOBILE-SATELLITE (R) (space-to- Earth) MOBILE-SATELLITE (space-to-Earth)	
			US308 US309 722 726A	US308 US309 722 726A		
1559-1610 AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) 722 727 730 731			1558.5- 1559	AERONAUTICAL MOBILE-SATELLITE (R) (space-to- Earth)	AERONAUTICAL MOBILE-SATELLITE (R) (space-to- Earth)	
			US308 US309 722 726A	US308 US309 722 726A		
1610-1610.6 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION 722 727 730 731 731E 732 733 733A 733B 733E 733F			1610-1610.6	AERONAUTICAL RADIONAVIGATION RADIODETERMINATION SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space)	AERONAUTICAL RADIONAVIGATION RADIODETERMINATION SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space)	
			US208 US260 US319 722 731E 732 733 733A 733E	US208 US260 US319 722 731E 732 733 733A 733E		
1610-1610.6 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION RADIODETERMINATION- SATELLITE (Earth- to-space) 722 731E 732 733 733A 733C 733D 733E			1610-1610.6	AERONAUTICAL RADIONAVIGATION RADIODETERMINATION SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space)	AERONAUTICAL RADIONAVIGATION RADIODETERMINATION SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space)	
722 727 730 731E 732 733 733A 733B 733E 733F			722 727 730 731E 732 733 733A 733B 733E	US208 US260 US319 722 731E 732 733 733A 733E	US208 US260 US319 722 731E 732 733 733A 733E	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
1610.6-1613.8 MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION 722 727 730 731 731E 732 733 733A 733B 733E 733F 734	1610.6-1613.8 MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION RADIO DETERMINA- TION- SATELLITE (Earth- to-space) 722 731E 732 733 733A 733C 733D 733E 734	1610.6-1613.8 MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY AERONAUTICAL RADIONAVIGATION Radiodetermina- tion- Satellite (Earth- to-space) 722 727 730 731E 732 733 733A 733E 734	1610.6-1613.8	AERONAUTICAL RADIONAVIGATION RADIO DETERMINATION SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) RADIO-ASTRONOMY US208 US260 US319 722 731E 732 733 733A 733E 734	AERONAUTICAL RADIONAVIGATION RADIO DETERMINATION SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) RADIO-ASTRONOMY US208 US260 US319 722 731E 732 733 733A 733E 734	
1613.8-1626.5 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION Mobile Satellite (space-to-Earth) 722 727 730 731 731E 731F 732 733 733A 733B 733E 733F	1613.8-1626.5 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION RADIO DETERMINA- TION- SATELLITE (Earth- to-space) Mobile Satellite (space-to-Earth) 722 731E 731F 732 733 733A 733C 733D 733E	1613.8-1626.5 MOBILE-SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION Radiodetermina- tion- Satellite (Earth- to-space) Mobile Satellite (space-to-Earth) 722 727 730 731E 731F 732 733 733A 733B 733E	1613.8-1626.5	AERONAUTICAL RADIONAVIGATION RADIO DETERMINATION SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Mobile-Satellite (space-to-Earth) US208 US260 US319 722 731E 731F 732 733 733E	AERONAUTICAL RADIONAVIGATION RADIO DETERMINATION SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Mobile-Satellite (space-to-Earth) US208 US260 US319 722 731E 731F 732 733 733E	
1626.5-1631.5 MARITIME MOBILE- SAT- ELLITE (Earth- to- space) Land Mobile-Satel- lite (Earth-to- Space) 726B 722 726A 726D 727 730	1626.5-1631.5 MOBILE-SATELLITE (Earth-to- space) 722 726A 726C 726D 727 730		1626.5- 1645.5	MARITIME MOBILE- SATELLITE (Earth- to-space) MOBILE-SATELLITE (Earth-to-space) US315 722 726A	MARITIME MOBILE- SATELLITE (Earth- to-space) MOBILE-SATELLITE (Earth-to-space) US315 722 726A	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
1631.5-1634.5	MARITIME MOBILE-SATELLITE (Earth-to-space) LAND MOBILE-SATELLITE (Earth-to-space)					
	722 726A 726C 726D 727 730 734A					
1634.5-1645.5	MARITIME MOBILE-SATELLITE (Earth-to-space) Land Mobile-Satellite (Earth-to-space) 726B					
	722 726A 726C 726D 727 730					
1645.5-1646.5	MOBILE-SATELLITE (Earth-to-space)		1645.5- 1646.5	MOBILE-SATELLITE (Earth-to-space)	MOBILE-SATELLITE (Earth-to-space)	
	722 726D 734B			722 734B	722 734B	
1646.5-1656.5	AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to-space)		1646.5- 1651	AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to- space) Mobile-Satellite (Earth-to-space)	AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to- space) Mobile-Satellite (Earth-to-space)	
	722 726A 726D 727 729A 730 735			US308 US309 722 726A	US308 US309 722 726A	
1656.5-1660	LAND MOBILE-SATELLITE (Earth-to-space)		1651-1660	AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to- space) MOBILE-SATELLITE (Earth-to-space)	AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to- space) MOBILE-SATELLITE (Earth-to-space)	
	722 726A 726D 727 730 730A 730B 730C 734A			US308 US309 722 726A	US308 US309 722 726A	
1660-1660.5	LAND MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY		1660- 1660.5	AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to- space) RADIO ASTRONOMY	AERONAUTICAL MOBILE-SATELLITE (R) (Earth-to- space) RADIO ASTRONOMY	
	722 726A 726D 730A 730B 730C 736			US309 722 726A 736	US309 722 726A 736	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
1660.5-1668.4 RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile 722 736 737 738 739			1660.5- 1668.4	RADIO ASTRONOMY SPACE RESEARCH (Passive) US74 US246 722	RADIO ASTRONOMY SPACE RESEARCH (Passive) US74 US246 722	
1668.4-1670 METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY 722 736			1668.4-1670	METEOROLOGICAL AIDS (Radiosonde) RADIO ASTRONOMY US74 US99 722 736	METEOROLOGICAL AIDS (Radiosonde) RADIO ASTRONOMY US74 US99 722 736	
1670-1675 METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE 740A 722			1670-1690	METEOROLOGICAL AIDS (Radiosonde) METEOROLOGICAL- SATELLITE (space- to-Earth) US211 722	METEOROLOGICAL AIDS (Radiosonde) METEOROLOGICAL- SATELLITE (space- to-Earth) US211 722	
1675-1690 METEOROLOGICAL AIDS FIXED METEOROLOGICAL- SATELLITE (space- to- Earth) MOBILE except aero- nautical mobile 722	1675-1690 METEOROLOGICAL AIDS FIXED METEOROLOGICAL- SATELLITE (space- to- Earth) MOBILE except aero- nautical mobile MOBILE-SATELLITE (Earth-to-space) 722 735A	1675-1690 FIXED METEOROLOGICAL AIDS METEOROLOGICAL- SATELLITE (space- to-Earth) MOBILE except aeronautical mobile 722				

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
1690-1700 METEOROLOGICAL AIDS METEOROLOGICAL- SATELLITE (space- to-Earth) Fixed Mobile except aero- nautical mobile 671 722 741	1690-1700 METEOROLOGICAL AIDS METEOROLOGICAL- SATELLITE (space- to-Earth) MOBILE-SATELLITE (Earth-to-space) 671 722 735A 740	1690-1700 METEOROLOGICAL AIDS METEOROLOGICAL SATELLITE (space-to-Earth) 671 722 740 742	1690-1700	METEOROLOGICAL AIDS (Radiosonde) METEOROLOGICAL- SATELLITE (space- to-Earth) 671 722	METEOROLOGICAL AIDS (Radiosonde) METEOROLOGICAL- SATELLITE (space- to-Earth) 671 722	
1700-1710 FIXED METEOROLOGICAL- SATELLITE (space- to-Earth) MOBILE except aero- nautical mobile 671 722	1700-1710 FIXED METEOROLOGICAL- SATELLITE (space- to-Earth) MOBILE except aeronautical mo- bile MOBILE-SATELLITE (Earth-to-space) 671 722 735A	1700-1710 FIXED METEOROLOGICAL- SATELLITE (space- to-Earth) MOBILE except aero- nautical mobile 671 722 743	1700-1710	FIXED METEOROLOGICAL- SATELLITE (space- to-Earth) 671 722 G118	METEOROLOGICAL- SATELLITE (space- to-Earth) Fixed 671 722	
1710-1930 FIXED MOBILE 740A 722 744 745 746 746A			1710-1850	FIXED MOBILE US256 722 G42	US256 722	
1930-1970 FIXED MOBILE 764A	1930-1970 FIXED MOBILE Mobile-Satellite (Earth-to-space) 746A	1930-1970 FIXED MOBILE 746A	1850-1990	US331	FIXED MOBILE US331	
1970-1980 FIXED MOBILE 746A	1970-1980 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 746A 746B 746C	1970-1980 FIXED MOBILE 746A				

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
1980-2010 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 746A 746B 746C			1990-2110	US90 US111 US219 US222	FIXED MOBILE US90 US111 US219 US222 NG23 NG118	
2010-2025 FIXED MOBILE 746A						
2025-2110 SPACE OPERATION (Earth-to-space) (space-to-space) EARTH EXPLORATION-SATELLITE (Earth-to-space) (space-to-space) FIXED MOBILE 747A SPACE RESEARCH (Earth-to-space) (space-to-space) 750A						
2110-2120 FIXED MOBILE SPACE RESEARCH (deep space) (Earth-to-space) 746A			2110-2150	US111 US252	FIXED MOBILE US111 US252 NG23 NG153	
2120-2160 FIXED MOBILE 746A	2120-2160 FIXED MOBILE Mobile-Satellite (space-to-Earth) 746A	2120-2160 FIXED MOBILE 746A				
			2150-2160		FIXED NG23	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
2160-2170 FIXED MOBILE 746A	2160-2170 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 746A 746B 746C	2160-2170 FIXED MOBILE 746A	2160-2200		FIXED MOBILE NG23 NG153	
2170-2200 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 746A 746B 746C						
2200-2290 SPACE OPERATION (space-to-Earth) (space-to-space) EARTH EXPLORATION-SATELLITE (space-to-Earth) (space-to-space) FIXED MOBILE 747A SPACE RESEARCH (space-to-Earth) (space-to-space) 750A			2200-2290	FIXED (LOS* only) MOBILE (LOS only including aeronautical telemetry, but excluding flight testing of manned aircraft) SPACE RESEARCH (space-to-Earth) (space-to-space) SPACE OPERATION (space-to-Earth) (space-to-space) EARTH EXPLORATION- SATELLITE (space-to-Earth) (space-to-space) G101 US303 750A	US303	* Line of sight.
2290-2300 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (Deep Space) (space-to-Earth)			2290-2300	FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) (Deep Space only)	SPACE RESEARCH (space-to-Earth) (Deep Space only)	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
2300-2450 FIXED MOBILE Amateur Radiolocation 664 751A 752	2300-2450 FIXED MOBILE RADIOLOCATION Amateur 664 750B 751 751B 752		2300-2310	G123	Amateur US253	
			2310-2360	Mobile Radiolocation Fixed 751B US276 US327 US328 G2 G120	BROADCASTING- SATELLITE Mobile 751B US276 US327 US328	
			2360-2390	MOBILE RADIOLOCATION Fixed US276 G2 G120	MOBILE US276	
			2390-2400	G122	AMATEUR	
			2400-2402	664 752 G123	Amateur 644 752	ISM 2450 ± 50 MHz
			2402-2417	664 752 G122	AMATEUR 664 752	ISM 2450 ± 50 MHz
			2417-2450	Radiolocation 664 752 G2 G124	Amateur 664 752	ISM 2450 ± 50 MHz
2450-2483.5 FIXED MOBILE Radiolocation 752 753	2450-2483.5 FIXED MOBILE RADIOLOCATION 751 752		2450-2483.5	US41 752	FIXED MOBILE Radiolocation US41 752	ISM 2450 ± 50 MHz

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
2483.5-2500 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) Radiolocation 733F 752 753 753A 753B 753C 753F	2483.5-2500 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) RADIODETERMIN- ATION- SATELLITE (space- to-Earth) 753A RADIOLOCATION 752 753D 753F	2483.5-2500 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) RADIOLOCATION Radiodetermina- tion- Satellite (space- to-Earth) 753A 752 753C 753F	2483.5-2500	RADIODETERMINA- TION - SATELLITE (space-to-Earth) 753A MOBILE-SATELLITE (space-to-Earth) US41 US319 752 753F	RADIODETERMINA- TION- SATELLITE (space- to-Earth) 753A MOBILE-SATELLITE (space-to-Earth) US41 US319 752 753F NG147	
2500-2520 FIXED 762 763 764 MOBILE except aero- nautical mobile MOBILE-SATELLITE (space-to-Earth) 754 754B 755A 756 759 760A	2500-2520 FIXED 762 764 FIXED-SATELLITE (space-to-Earth) 761 MOBILE except aeronautical mobile MOBILE-SATELLITE (space-to-Earth) 754 754A 755 755A 760A		2500-2655	US205 US269 720	BROADCASTING- SATELLITE FIXED US205 US269 720 NG47 NG101 NG102	
2520-2655 FIXED 762 763 764 MOBILE except aero- nautical mobile BROADCASTING- SATELLITE 757 760 720 754 754B 756 757A 758 759	2520-2655 FIXED 762 764 FIXED-SATELLITE (space-to-Earth) 761 MOBILE except aero- nautical mobile BROADCASTING- SATELLITE 757 760 720 754 755	2520-2535 FIXED 762 764 FIXED-SATELLITE (space-to-Earth) 761 MOBILE except aero- nautical mobile BROADCASTING- SATELLITE 757 760 754				

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
		2535-2655 FIXED 762 764 MOBILE except aero- nautical mobile BROADCASTING- SATEL- LITE 757 760 720 757A				
2655-2670 FIXED 762 763 764 MOBILE except aero- nautical mobile BROADCASTING- SATEL- LITE 757 760 Earth Exploration- Satellite (passive) Radio Astronomy Space Research (passive) 758 759 765 766	2655-2670 FIXED 762 764 FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 761 MOBILE except aero- nautical mobile BROADCASTING- SATEL- LITE 757 760 Earth Exploration- Satellite (passive) Radio Astronomy Space Research (passive) 765 766	2655-2670 FIXED 762 764 FIXED-SATELLITE (Earth-to-space) 761 MOBILE except aero- nautical mobile BROADCASTING- SATEL- LITE 757 760 Earth Exploration- Satellite (passive) Radio Astronomy Space Research (passive) 765 766	2655-2690	Earth Explora- tion- Satellite (Passive) Radio Astronomy Space Research (Passive) US205 US269	BROADCASTING- SATELLITE FIXED Earth Explora- tion- Satellite (Passive) Radio Astronomy Space Research (Passive) US205 US269 NG47 NG101 NG102	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
2670-2690 FIXED 762 763 764 MOBILE except aero- nautical mobile MOBILE-SATELLITE (Earth-to-space) Earth Exploration- Satellite (passive) Radio Astronomy Space Research (passive) 764A 765 766	2670-2690 FIXED 762 764 FIXED-SATELLITE (Earth-to-space) 761 (space-to-Earth) MOBILE except aero- nautical mobile MOBILE-SATELLITE (Earth-to-space) Earth Exploration- Satellite (passive) Radio Astronomy Space Research (passive) 764A 765 766	2670-2690 FIXED 762 764 FIXED-SATELLITE (Earth-to-space) 761 MOBILE except aero- nautical mobile MOBILE-SATELLITE (Earth-to-space) Earth Exploration- Satellite (passive) Radio Astronomy Space Research (passive) 764A 765 766				
2690-2700 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 767 768 769			2690-2700	EARTH EXPLORA- TION- SATELLITE (Passive) RADIO ASTRONOMY SPACE RESEARCH (Passive) US74 US246	EARTH EXPLORA- TION- SATELLITE (Passive) RADIO ASTRONOMY SPACE RESEARCH (Passive) US74 US246	
2700-2900 AERONAUTICAL RADIONAVIGATION 717 Radiolocation 770 771			2700-2900	AERONAUTICAL RADIONAVIGATION METEOROLOGICAL AIDS Radiolocation US18 717 770 G2 G15	US18 717 770	
2900-3100 RADIONAVIGATION 773 Radiolocation 772 775A			2900-3100	MARITIME RADIONAVIGATION Radiolocation US44 US316 775A G56	MARITIME RADIONAVIGATION Radiolocation US44 US316 775A	
3100-3300 RADIOLOCATION 713 777 778			3100-3300	RADIOLOCATION US110 713 778 G59	Radiolocation US110 713 778	See Part 7.18 of the NTIA Manual.

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
3300-3400 RADIOLOCATION 778 779 780	3300-3400 RADIOLOCATION Amateur Fixed Mobile 778 780	3300-3400 RADIOLOCATION Amateur 778 779	3300-3500	RADIOLOCATION US108 664 778 G31	Amateur Radiolocation US108 664 778	
3400-3600 FIXED FIXED-SATELLITE (space-to-Earth) Mobile Radiolocation 781 785	3400-3500 FIXED FIXED-SATELLITE (space-to-Earth) Amateur Mobile Radiolocation 784 664 783					
	3500-3700 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Radiolocation 784 786		3500-3600	AERONAUTICAL RADIONAVIGATION (Ground-based) RADIOLOCATION US110 G59 G110	Radiolocation US110	
3600-4200 FIXED FIXED-SATELLITE (space-to-Earth) Mobile			3600-3700	AERONAUTICAL RADIONAVIGATION (Ground-based) RADIOLOCATION US110 US245 G59 G110	FIXED-SATELLITE (space-to-Earth) Radiolocation US110 US245	
	3700-4200 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 787		3700-4200		FIXED FIXED-SATELLITE (space-to-Earth) NG41	
4200-4400 AERONAUTICAL RADIONAVIGATION 789 788 790 791			4200-4400	AERONAUTICAL RADIONAVIGATION US261 791	AERONAUTICAL RADIONAVIGATION US261 791	
4400-4500 FIXED MOBILE			4400-4500	FIXED MOBILE		

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
4500-4800 FIXED FIXED-SATELLITE (space-to-Earth) 792A MOBILE			4500-4635	FIXED MOBILE US245	FIXED-SATELLITE (space-to-Earth) US245 792A	
			4635-4660	 G125	FIXED-SATELLITE (Space-to-Earth) US245	
			4660-4685	G122	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE US245 792A	
			4685-4800	FIXED MOBILE US245	FIXED-SATELLITE (space-to-Earth) US245 792A	
4800-4990 FIXED MOBILE 793 Radio Astronomy 720 778 794			4800-4990	FIXED MOBILE US203 US257 720 778	US203 US257 720 778	
4990-5000 FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY Space Research (passive) 795			4990-5000	RADIO ASTRONOMY Space Research (Passive) US74 US246	RADIO ASTRONOMY Space Research (Passive) US74 US246	
5000-5250 AERONAUTICAL RADIONAVIGATION 733 796 797 797A 797B			5000-5250	AERONAUTICAL RADIONAVIGATION G126 US211 US260 US307 733 796 797 797A	AERONAUTICAL RADIONAVIGATION US211 US260 US307 733 796 797 797A	
5250-5255 RADIOLOCATION Space Research 713 798			5250-5350	RADIOLOCATION US110 713 G59	Radiolocation US110 713	See Part 7.18 of the NTIA Manual.

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
5255-5350 RADIOLOCATION 713 798						
5350-5460 AERONAUTICAL RADIONAVIGATION 799 Radiolocation			5350-5460	AERONAUTICAL RADIONAVIGATION RADIOLOCATION US48 799 G56	AERONAUTICAL RADIONAVIGATION Radiolocation US48 799	
5460-5470 RADIONAVIGATION 799 Radiolocation			5460-5470	RADIONAVIGATION Radiolocation US49 US65 799 G56	RADIONAVIGATION Radiolocation US49 US65 799	See Part 7.18 of the NTIA Manual.
5470-5650 MARITIME RADIONAVIGATION Radiolocation 800 801 802			5470-5600	MARITIME RADIONAVIGATION Radiolocation US50 US65 G56	MARITIME RADIONAVIGATION Radiolocation US50 US65	
			5600-5650	MARITIME RADIONAVIGATION METEOROLOGICAL AIDS Radiolocation US51 US65 802 G56	MARITIME RADIONAVIGATION METEOROLOGICAL AIDS Radiolocation US51 US65 802	
5650-5725 RADIOLOCATION Amateur Space Research (deep space) 664 801 803 804 805			5650-5850	RADIOLOCATION 664 806 808 G2	Amateur 664 806 808	ISM 5800 ± 75 MHz
5725-5850 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Amateur 801 803 805 806 807 808	5725-5850 RADIOLOCATION Amateur 803 805 806 808					

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
5850-5925 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 806	5850-5925 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Amateur Radiolocation 806	5850-5925 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Radiolocation 806	5850-5925	RADIOLOCATION US245 806 G2	FIXED-SATELLITE (Earth-to-space) Amateur US245 806	
5925-7075 FIXED FIXED-SATELLITE (Earth-to-space) 792A MOBILE 791 809			5925-6425		FIXED FIXED-SATELLITE (Earth-to-space) NG41	
			6425-6525		FIXED-SATELLITE (Earth-to-space) MOBILE 791 809 NG122	
			6525-6875	809	FIXED FIXED-SATELLITE (Earth-to-space) 809	
			6875-7075	809	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 809 NG118	
7075-7250 FIXED MOBILE 809 810 811			7075-7125	809	FIXED MOBILE 809 NG118	
			7125-7190	FIXED US252 809 G116	US252 809	
			7190-7235	FIXED SPACE RESEARCH (Earth-to-space) 809	809	
			7235-7250	FIXED 809	809	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
7250-7300 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE 812			7250-7300	FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Fixed G117		
7300-7450 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 812			7300-7450	FIXED FIXED-SATELLITE (space-to-Earth) Mobile-Satellite (space-to-Earth) G117		
7450-7550 FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile			7450-7550	FIXED FIXED-SATELLITE (space-to-Earth) METEOROLOGICAL- SATELLITE (space- to-Earth) Mobile-Satellite (space-to-Earth) G104 G117		
7550-7750 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile			7550-7750	FIXED FIXED-SATELLITE (space-to-Earth) Mobile-Satellite (space-to-Earth) G117		
7750-7900 FIXED MOBILE except aeronautical mobile			7750-7900	FIXED		
7900-8025 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 812			7900-8025	FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Fixed G117		

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
8025-8175 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Earth Exploration- Satellite (space- to-Earth) 813 815	8025-8175 EARTH EXPLORATION- SATELLITE (space- to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 814	8025-8175 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Earth Exploration- Satellite (space- to-Earth) 813 815	8025-8175	EARTH EXPLORA- TION- SATELLITE (space- to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) Mobile-Satellite (Earth-to-space) (No Airborne Transmission) US258 G117	US258	
8175-8215 FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL- SATELLITE (Earth- to-space) MOBILE Earth Exploration- Satellite (space- to-Earth) 813 815	8175-8215 EARTH EXPLORATION- SATELLITE (space- to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL- SATELLITE (Earth- to-space) MOBILE 814	8175-8215 FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL- SATELLITE (Earth- to-space) MOBILE Earth Exploration- Satellite (space- to-Earth) 813 815	8175-8215	EARTH EXPLORA- TION- SATELLITE (space- to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) METEOROLOGICAL- SATELLITE (Earth- to-space) Mobile-Satellite (Earth-to-space) (No Airborne Transmissions) US258 G104 G117	US258	
8215-8400 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Earth Exploration- Satellite (space- to-Earth) 813 815	8215-8400 EARTH EXPLORATION- SATELLITE (space- to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 814	8215-8400 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Earth Exploration- Satellite (space- to-Earth) 813 815	8215-8400	EARTH EXPLORA- TION- SATELLITE (space- to-Earth) FIXED FIXED-SATELLITE (Earth-to-space) Mobile-Satellite (Earth-to-space) (No Airborne Transmissions) US258 G117	US258	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
8400-8500 FIXED MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) 816 817 818			8400-8450	FIXED SPACE RESEARCH (space-to-Earth) (Deep Space only)		
			8450-8500	FIXED SPACE RESEARCH (space-to-Earth)	SPACE RESEARCH (space-to-Earth)	
8500-8750 RADIOLOCATION 713 819 820			8500-9000	RADIOLOCATION US53 US110 713 G59	Radiolocation US53 US110 713	See Part 7.18 of the NTIA Manual.
8750-8850 RADIOLOCATION AERONAUTICAL RADIONAVIGATION 821 822						
8850-9000 RADIOLOCATION MARITIME RADIONAVIGATION 823 824						
9000-9200 AERONAUTICAL RADIONAVIGATION 717 Radiolocation 822			9000-9200	AERONAUTICAL RADIONAVIGATION Radiolocation US48 US54 717 G2 G19	AERONAUTICAL RADIONAVIGATION Radiolocation US48 US54 717	See Part 7.18 of the NTIA Manual.
9200-9300 RADIOLOCATION MARITIME RADIONAVIGATION 823 824 824A			9200-9300	MARITIME RADIONAVIGATION Radiolocation US110 823 824A G59	MARITIME RADIONAVIGATION Radiolocation US110 823 824A	See Part 7.18 of the NTIA Manual.
9300-9500 RADIONAVIGATION 825A Radiolocation 775A 824A 825			9300-9500	RADIONAVIGATION Meteorological Aids Radiolocation US51 US66 US67 US71 775A 824A 825A G56	RADIONAVIGATION Meteorological Aids Radiolocation US51 US66 US67 US71 775A 824A 825A	See Part 7.18 of the NTIA Manual.

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 MHz	Region 2 MHz	Region 3 MHz	Band MHz	Government Allocation	Non-Govt. Allocation	Remarks
9500-9800 RADIOLOCATION RADIONAVIGATION 713			9500-10000	RADIOLOCATION	Radiolocation	See Part 7.18 of the NTIA Manual.
9800-10000 RADIOLOCATION Fixed 826 827 828				US110 713 828	US110 713 828	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
10-10.45 FIXED MOBILE RADIOLOCATION Amateur 828	10-10.45 RADIOLOCATION Amateur 828 829	10-10.45 FIXED MOBILE RADIOLOCATION Amateur 828	10-10.45	RADIOLOCATION US58 US108 828 G32	Amateur Radiolocation US58 US108 828 NG42	
10.45-10.5 RADIOLOCATION Amateur Amateur-Satellite 830			10.45-10.5	RADIOLOCATION US58 US108 G32	RADIOLOCATION Amateur Amateur-Satellite US58 US108 NG42 NG134	
10.5-10.55 FIXED MOBILE Radiolocation	10.5-10.55 FIXED MOBILE RADIOLOCATION		10.5-10.55	RADIOLOCATION US59	RADIOLOCATION US59	
10.55-10.6 FIXED MOBILE except aeronautical mobile Radiolocation			10.55-10.6		FIXED	
10.6-10.68 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) Radiolocation 831 832			10.6-10.68	EARTH EXPLO- RATION- SATELLITE (Passive) SPACE RESEARCH (Passive) US265 US277	EARTH EXPLO- RATION- SATELLITE (Passive) FIXED SPACE RESEARCH (Passive) US265 US277	
10.68-10.7 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 833 834			10.68-10.7	EARTH EXPLO- RATION- SATELLITE (Passive) RADIO ASTRONOMY SPACE RESEARCH (Passive) US74 US246	EARTH EXPLO- RATION- SATELLITE (Passive) RADIO ASTRONOMY SPACE RESEARCH (Passive) US74 US246	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
10.7-11.7 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 792A 835 MOBILE except aero- nautical mobile	10.7-11.7 FIXED FIXED-SATELLITE (space-to-Earth) 792A MOBILE except aeronautical mobile		10.7-11.7	US211	FIXED FIXED-SATELLITE (space-to-Earth) 792A US211 NG41 NG104	
11.7-12.5 FIXED BROADCASTING BROADCASTING- SATELLITE Mobile except aero- nautical mobile 838	11.7-12.1 FIXED 837 FIXED-SATELLITE (space-to-Earth) Mobile except aero- nautical mobile 836 839 12.1-12.2 FIXED-SATELLITE (space-to-Earth) 836 839 842	11.7-12.2 FIXED MOBILE except aero- nautical mobile BROADCASTING BROADCASTING- SATELLITE 838	11.7-12.2	837 839	FIXED-SATELLITE (space-to-Earth) Mobile except aero- nautical mobile 837 839 NG143 NG145	
	12.2-12.7 FIXED MOBILE except aero- nautical mobile BROADCASTING BROADCASTING- SATELLITE	12.2-12.5 FIXED MOBILE except aero- nautical mobile BROADCASTING 838 845	12.2-12.7	839 843 844	FIXED BROADCASTING- SATELLITE 839 843 844 NG139	
12.5-12.75 FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 848 849 850	839 844 846 12.7-12.75 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aero- nautical mobile	12.5-12.75 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aero- nautical mobile BROADCASTING- SATELLITE 847	12.7-12.75		FIXED FIXED-SATELLITE (Earth-to-space) MOBILE NG53 NG118	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
12.75-13.25 FIXED FIXED-SATELLITE (Earth-to-space) 792A MOBILE Space Research (deep space) (space-to-Earth)			12.75-13.25	US251	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 792A US251 NG53 NG104 NG118	
13.25-13.4 AERONAUTICAL RADIONAVIGATION 851 852 853			13.25-13.4	AERONAUTICAL RADIONAVIGATION Space Research (Earth-to-space) 851	AERONAUTICAL RADIONAVIGATION Space Research (Earth-to-space) 851	
13.4-13.75 RADIOLOCATION Standard Frequency and Time Signal-Satellite (Earth-to-space) Space Research 713 853 854 855			13.4-14	RADIOLOCATION Space Research Standard Frequency and Time Signal- Satellite (Earth- to-space) US110 713 G59	Radiolocation Space Research Standard Frequency and Time Signal- Satellite (Earth- to-space) US110 713	See Part 7.18 of the NTIA Manual.
13.75-14 FIXED-SATELLITE (Earth-to-space) RADIOLOCATION Standard Frequency and Time Signal-Satellite (Earth-to-space) 713 853 854 855 855A 855B						
14-14.25 FIXED-SATELLITE (Earth-to-space) 858 RADIONAVIGATION 856 Space Research 857 859			14-14.2	RADIONAVIGATION Space Research US287 US292	FIXED-SATELLITE (Earth-to-space) RADIONAVIGATION Space Research US287 US292	
			14.2-14.3	US287	FIXED-SATELLITE (Earth-to-space) US287	
14.25-14.3 FIXED-SATELLITE (Earth-to-space) 858 RADIONAVIGATION 856 Space Research 857 859 860 861						

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
14.3-14.4 FIXED FIXED-SATELLITE (Earth-to-space) 858 MOBILE except aero- nautical mobile Radionavigation- Satellite 859	14.3-14.4 FIXED-SATELLITE (Earth-to-space) 858 Radionavigation- Satellite 859	14.3-14.4 FIXED FIXED-SATELLITE (Earth-to-space) 858 MOBILE except aero- nautical mobile Radionavigation- Satellite 859	14.3-14.4	US287	FIXED-SATELLITE (Earth-to-space) US287	
14.4-14.47 FIXED FIXED-SATELLITE (Earth-to-space) 858 MOBILE except aeronautical mobile Space Research (space-to-Earth) 859			14.4-14.5	Fixed Mobile US203 US287 862	FIXED-SATELLITE (Earth-to-space) US203 US287 862	
14.47-14.5 FIXED FIXED-SATELLITE (Earth-to-space) 858 MOBILE except aeronautical mobile Radio Astronomy 859 862						
14.5-14.8 FIXED FIXED-SATELLITE (Earth-to-space) 863 MOBILE Space Research			14.5-14.7145	FIXED Mobile Space Research		
			14.7145- 15.1365	MOBILE Fixed Space Research US310	US310	
14.8-15.35 FIXED MOBILE Space Research 720			15.1365- 15.35	FIXED Mobile Space Research US211 720	US211 720	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
15.35-15.4 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 864 865			15.35-15.4	EARTH EXPLO- RATION- SATELLITE (Passive) RADIO ASTRONOMY SPACE RESEARCH (Passive) US74 US246	EARTH EXPLO- RATION- SATELLITE (Passive) RADIO ASTRONOMY SPACE RESEARCH (Passive) US74 US246	
15.4-15.7 AERONAUTICAL RADIONAVIGATION 733 797			15.4-15.7	AERONAUTICAL RADIONAVIGATION US211 US260 733 797	AERONAUTICAL RADIONAVIGATION US211 US260 733 797	
15.7-16.6 RADIOLOCATION 866 867			15.7-16.6	RADIOLOCATION US110 G59	Radiolocation US110	See Part 7.18 and Section 8.2.46 of the NTIA Manual.
16.6-17.1 RADIOLOCATION Space Research (deep space) (Earth-to-space) 866 867			16.6-17.1	RADIOLOCATION Space Research (Deep Space) (Earth-to-space) US110 G59	Radiolocation US110	See Part 7.18 and Section 8.2.46 of the NTIA Manual.
17.1-17.2 RADIOLOCATION 866 867			17.1-17.2	RADIOLOCATION US110 G59	Radiolocation US110	See Part 7.18 and Section 8.2.46 of the NTIA Manual.
17.2-17.3 RADIOLOCATION Earth Exploration-Satellite (active) Space Research (active) 866 867			17.2-17.3	RADIOLOCATION Earth Explo- ration- Satellite (Active) Space Research (Active) US110 G59	Earth Explo- ration- Satellite (Active) Radiolocation Space Research (Active) US110	See Part 7.18 and Section 8.2.46 of the NTIA Manual.

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
17.3-17.7 FIXED-SATELLITE (Earth-to-space) 869 Radiolocation 868	17.3-17.7 FIXED-SATELLITE (Earth-to-space) 869 BROADCASTING- SATEL- LITE Radiolocation 868 868A 869A	17.3-17.7 FIXED-SATELLITE (Earth-to-space) 869 Radiolocation 868	17.3-17.7	Radiolocation US259 US271 G59	FIXED-SATELLITE (Earth-to-space) US259 US271 NG140	See Part 7.18 of the NTIA Manual.
17.7-18.1 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 869 MOBILE	17.7-17.8 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 869 BROADCASTING- SATEL LITE Mobile 869B 868A 869A	17.7-18.1 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 869 MOBILE	17.7-17.8	US271	FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) MOBILE US271 NG140 NG144	
	17.8-18.1 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 869 MOBILE		17.8-18.1	US334 G117	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE US334 NG144	
18.1-18.4 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 870A MOBILE 870 870B			18.1-18.6		FIXED FIXED-SATELLITE (Space-to-Earth) MOBILE	
18.4-18.6 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE						

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt Allocation	Remarks
18.6-18.8 FIXED FIXED-SATELLITE (space-to-Earth) 872 MOBILE except aero- nautical mobile Earth Exploration- Satellite (passive) Space Research (passive) 871	18.6-18.8 EARTH EXPLORATION- SATELLITE (passive) 872 FIXED FIXED-SATELLITE (space-to-Earth) 872 MOBILE except aero- nautical mobile Space RESEARCH (passive) 871	18.6-18.8 FIXED FIXED-SATELLITE (space-to-Earth) 872 MOBILE except aero- nautical mobile Earth Exploration- Satellite (passive) Space Research (passive) 871	18.6-18.8	EARTH EXPLO- RATION- SATELLITE (passive) SPACE RESEARCH (passive) US254 US255 US334 G117	FIXED FIXED-SATELLITE (space-to-Earth) EARTH EXPLORATION- SATELLITE (Passive) MOBILE except aero- nautical mobile SPACE RESEARCH (Passive) US254 US255 US334 NG144	
18.8-19.7 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE			18.8-19.7	 US334 G117	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE US334 NG144	
19.7-20.1 FIXED-SATELLITE (space-to-Earth) Mobile-Satellite (space-to-Earth) 873	19.7-20.1 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 873 873A 873B 873C 873D 873E	19.7-20.1 FIXED-SATELLITE (space-to-Earth) Mobile-Satellite (space-to-Earth) 873	19.7-20.1	 US334 G117	FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 873A 873B 873C 873D 873E US334	
20.1-20.2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 873 873A 873B 873C 873D			20.1-20.2	 US334 G117	FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 873A 873B 873C 873D US334	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
20.2-21.2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard Frequency and Time Signal- Satellite (space-to-Earth) 873			20.2-21.2	FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard Frequency and Time Signal- Satellite (space- to-Earth) G117	Standard Frequency and Time Signal- Satellite (space- to-Earth)	
21.2-21.4 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)			21.2-21.4	EARTH EXPLO- RATION- SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive) US263	EARTH EXPLO- RATION- SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive) US263	
21.4-22 FIXED MOBILE BROADCASTING- SATELLITE 873F	21.4-22 FIXED MOBILE	21.4-22 FIXED MOBILE BROADCASTING-SATEL- LITE 873F 873G	21.4-22	FIXED MOBILE	FIXED MOBILE	
22-22.21 FIXED MOBILE except aeronautical mobile 874			22-22.21	FIXED MOBILE except aero- nautical mobile 874	FIXED MOBILE except aero- nautical mobile 874	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
22.21-22.5	EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) 875 876		22.21-22.5	EARTH EXPLO- RATION- SATELLITE (passive) FIXED MOBILE except aero- nautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) US263 875	EARTH EXPLO- RATION- SATELLITE (passive) FIXED MOBILE except aero- nautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) US263 875	
22.5-22.55	FIXED MOBILE		22.5-22.55	FIXED MOBILE US211	FIXED MOBILE US211	
22.55-23	FIXED INTER-SATELLITE MOBILE 879		22.55-23	FIXED INTER-SATELLITE MOBILE US278 879	FIXED INTER-SATELLITE MOBILE US278 879	
23-23.55	FIXED INTER-SATELLITE MOBILE 879		23-23.55	FIXED INTER-SATELLITE MOBILE US278 879	FIXED INTER-SATELLITE MOBILE US278 879	
23.55-23.6	FIXED MOBILE		23.55-23.6	FIXED MOBILE	FIXED MOBILE	
23.6-24	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 880		23.6-24	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US74 US246	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US74 US246	
24-24.05	AMATEUR AMATEUR-SATELLITE 881		24-24.05	 US211 881	AMATEUR AMATEUR-SATELLITE US211 881	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
24.05-24.25 RADIOLOCATION Amateur Earth Exploration-Satellite (active) 881			24.05-24.25	RADIOLOCATION Earth Explo- ration- Satellite (active) US110 881 G59	Amateur Earth Exploration- Satellite (active) Radiolocation US110 881	ISM 24.125 ± 125 MHz
24.25-24.45 FIXED	24.25-24.45 RADIONAVIGATION	24.25-24.45 RADIONAVIGATION FIXED MOBILE	24.25-24.45	RADIONAVIGATION	RADIONAVIGATION	
24.45-24.65 FIXED INTER-SATELLITE	24.45-24.65 INTER-SATELLITE RADIONAVIGATION 882E	24.45-24.65 FIXED INTER-SATELLITE MOBILE RADIONAVIGATION 882E	24.45-24.65	INTER-SATELLITE RADIONAVIGATION 882E	INTER-SATELLITE RADIONAVIGATION 882E	
24.65-24.75 FIXED INTER-SATELLITE	24.65-24.75 INTER-SATELLITE RADIOLOCATION-SAT- ELLITE (Earth- to-space)	24.65-24.75 FIXED INTER-SATELLITE MOBILE 882E 882F	24.65-24.75	INTER-SATELLITE RADIOLOCATION- SATELLITE (Earth- to-space)	INTER-SATELLITE RADIOLOCATION- SATELLITE (Earth- to-space)	
24.75-25.25 FIXED	24.75-25.25 FIXED-SATELLITE (Earth-to-space) 882G	24.75-25.25 FIXED FIXED-SATELLITE (Earth-to-space) 882G MOBILE 882F	24.75-25.25	RADIONAVIGATION	RADIONAVIGATION	
25.25-25.5 FIXED INTER-SATELLITE 881A MOBILE Standard Frequency and Time Signal-Satellite (Earth-to-space)			25.25-25.5	FIXED INTER-SATELLITE MOBILE Standard Frequency and Time Signal- Satellite (Earth- to-space) 881A	Earth Explo- ration- Satellite (space- to-space) Standard Frequency and Time Signal- Satellite Earth- to-space)	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
25.5-27 FIXED INTER-SATELLITE 881A MOBILE Earth Exploration-Satellite (space-to-Earth) Standard Frequency and Time Signal-Satellite (Earth-to-space)			25.5-27	FIXED INTER-SATELLITE MOBILE Earth Exploration- Satellite (space- to-Earth Standard Frequency and Time Signal- Satellite (Earth- to-space) 881A	Earth Explo- ration- Satellite (space- to-space) Standard Frequency and Time Signal- Satellite (Earth- to-space)	
27-27.5 FIXED INTER-SATELLITE 881A MOBILE	27-27.5 FIXED FIXED-SATELLITE (Earth-to-space) INTER-SATELLITE 881A 881B MOBILE		27-27.5	FIXED INTER-SATELLITE MOBILE 881A	Earth Explo- ration- Satellite (space- to-space)	
27.5-28.5 FIXED FIXED-SATELLITE (Earth-to-space) 882D MOBILE 882A 882B			27.5-29.5		FIXED FIXED-SATELLITE (Earth-to-space) MOBILE	
28.5-29.5 FIXED FIXED-SATELLITE (Earth-to-space) 882D MOBILE Earth Exploration-Satellite (Earth-to-space) 882C 882B						

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
29.5-29.9 FIXED-SATELLITE (Earth-to-space) 882D Earth Exploration- Satellite (Earth- to-space) 882C Mobile-Satellite (Earth-to-space) 882B 883	29.5-29.9 FIXED-SATELLITE (Earth-to-space) 882D MOBILE-SATELLITE (Earth-to-space) Earth Exploration- Satellite (Earth- to-space) 882C 873A 873B 873C 873E 882B 883	29.5-29.9 FIXED-SATELLITE (Earth-to-space) 882D Earth Exploration- Satellite (Earth- to- space) 882C Mobile-Satellite (Earth-to-space) 882B 883	29.5-30	882	FIXED-SATELLITE (Earth-to-space) Mobile-Satellite (Earth-to-space) 882	
29.9-30 FIXED-SATELLITE (Earth-to-space) 882D MOBILE-SATELLITE (Earth-to-space) Earth Exploration-Satellite (Earth-to-space) 882C 873A 873B 873C 882 882A 882B 883						
30-31 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard Frequency and Time Signal- Satellite (space-to-Earth) 883			30-31	FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard Frequency and Time Signal- Satellite (space- to-Earth) G117	Standard Frequency and Time Signal- Satellite (space- to-Earth)	
31-31.3 FIXED MOBILE Standard Frequency and Time Signal- Satellite (space-to-Earth) Space Research 884 885 886			31-31.3	Standard Frequency and Time Signal- Satellite (space- to-Earth) US211 886	FIXED MOBILE Standard Frequency and Time Signal- Satellite (space- to-Earth) US211 886	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
31.3-31.5 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 887			31.3-31.8	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US74 US246	EARTH EXPLO- RATION- SATELLITE (Passive) RADIO ASTRONOMY SPACE RESEARCH (Passive)	
31.5-31.8 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aero- nautical mobile 888 889	31.5-31.8 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 888	31.5-31.8 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aero- nautical mobile 888			US74 US246	
31.8-32 RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth) 892 893			31.8-32	RADIONAVIGATION US69 US211 US262	RADIONAVIGATION US69 US211 US262	
32-32.3 INTER-SATELLITE RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth) 892 893			32-33	INTER-SATELLITE RADIONAVIGATION US69 US262 US278 893	INTER-SATELLITE RADIONAVIGATION US69 US262 US278 893	
32.3-33 INTER-SATELLITE RADIONAVIGATION 892 893						
33-33.4 RADIONAVIGATION 892			33-33.4	RADIONAVIGATION US69	RADIONAVIGATION US69	
33.4-34.2 RADIOLOCATION 892 894			33.4-36	RADIOLOCATION US110 US252 897 G34	Radiolocation US110 US252 897	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
34.2-34.7						
34.7-35.2						
35.2-36						
36-37			36-37	EARTH EXPLO- RATION- SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive) US263 898	EARTH EXPLO- RATION- SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive) US263 898	
37-37.5			37-38.6	FIXED MOBILE	FIXED MOBILE	
37.5-38						
38-39.5			38.6-39.5		FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	
				US291	US291	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
39.5-40			39.5-40	FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) US291 G117	FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth) US291	
40-40.5			40-40.5	FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) G117	FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth)	
40.5-42.5			40.5-42.5		BROADCASTING- SATELLITE /BROADCASTING/ Fixed Mobile US211	
42.5-43.5			42.5-43.5	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aero- nautical mobile RADIO ASTRONOMY 900	FIXED-SATELLITE (Earth-to-space) MOBILE except aero- nautical mobile RADIO ASTRONOMY 900	
43.5-47			43.5-45.5	FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) G117		
			45.5-47	MOBILE MOBILE-SATELLITE (Earth-to-space) RADIONAVIGATION- SATELLITE 903	MOBILE MOBILE-SATELLITE (Earth-to-space) RADIONAVIGATION- SATELLITE 903	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
47-47.2			47-47.2		AMATEUR AMATEUR-SATELLITE	
47.2-50.2			47.2-50.2	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 904	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE US264 US297 904	
50.2-50.4			50.2-50.4	EARTH EXPLO- RATION- SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive) US263	EARTH EXPLO- RATION- SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive) US263	
50.4-51.4			50.4-51.4	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space) G117	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space)	
51.4-54.25			51.4-54.25	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US246	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US246	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES				
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks	
54.25-58.2			54.25-58.2	EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE 909 SPACE RESEARCH (passive) 908	EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive) US263 909	EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive) US263 909	
58.2-59			58.2-59	EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) 906 907	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US246	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US246	
59-64			59-64	FIXED INTER-SATELLITE MOBILE 909 RADIOLOCATION 910 911	FIXED INTER-SATELLITE MOBILE RADIOLOCATION 909 910 911	FIXED INTER-SATELLITE MOBILE RADIOLOCATION 909 910 911	ISM 61.25 ± 250 MHz
64-65			64-65	EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) 906 907	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US246	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US246	
65-66			65-66	EARTH EXPLORATION-SATELLITE SPACE RESEARCH Fixed Mobile	EARTH EXPLORATION-SATELLITE SPACE RESEARCH Fixed Mobile	EARTH EXPLORATION-SATELLITE SPACE RESEARCH Fixed Mobile	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
66-71	MOBILE 902 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE		66-71	MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE	MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE	
903				903	903	
71-74	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space)		71-74	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space) US270	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE MOBILE-SATELLITE (Earth-to-space) US270	
74-75.5	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE Space Research (space-to-Earth)		74-75.5	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE US297	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE US297	
75.5-76	AMATEUR AMATEUR-SATELLITE Space Research (space-to-Earth)		75.5-76		AMATEUR AMATEUR-SATELLITE	
76-81	RADIOLOCATION Amateur Amateur-Satellite Space Research (space-to-Earth)		76-77	RADIOLOCATION	RADIOLOCATION Amateur	
912			77-81		RADIOLOCATION Amateur Amateur-Satellite	
81-84	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth) Space Research (space-to-Earth)		81-84	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth)	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (space-to-Earth)	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
84-86 FIXED MOBILE BROADCASTING BROADCASTING-SATELLITE 913			84-86	FIXED MOBILE US211 913	BROADCASTING BROADCASTING- SATELLITE FIXED MOBILE US211 913	
86-92 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 907			86-92	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US74 US246	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US74 US246	
92-95 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIOLOCATION 914			92-95	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIOLOCATION 914	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIOLOCATION 914	
95-100 MOBILE 902 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE Radiolocation 903 904			95-100	MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION- SATELLITE Radiolocation 902 903 904	MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION- SATELLITE Radiolocation 902 903 904	
100-102 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive) 722			100-102	EARTH EXPLO- RATION- SATELLITE (passive) SPACE RESEARCH (passive) US246 722	EARTH EXPLO- RATION- SATELLITE (passive) SPACE RESEARCH (passive) US246 722	
102-105 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE 722			102-105	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE US211 722	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE US211 722	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
105-116 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 722 907			105-116	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US74 US246 722	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US74 US246 722	
116-126 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE 909 SPACE RESEARCH (passive) 722 915 916			116-126	EARTH EXPLO- RATION- SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive) US211 US263 722 909 915 916	EARTH EXPLO- RATION- SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive) US211 US263 722 909 915 916	ISM 122.5 ± 0.5 GHz
126-134 FIXED INTER-SATELLITE MOBILE 909 RADIOLOCATION 910			126-134	FIXED INTER-SATELLITE MOBILE RADIOLOCATION 909 910	FIXED INTER-SATELLITE MOBILE RADIOLOCATION 909 910	
134-142 MOBILE 902 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE Radiolocation 903 917 918			134-142	MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION- SATELLITE Radiolocation 902 903 917 918	MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION- SATELLITE Radiolocation 902 903 917 918	
142-144 AMATEUR AMATEUR-SATELLITE			142-144		AMATEUR AMATEUR-SATELLITE	
144-149 RADIOLOCATION Amateur Amateur-Satellite 918			144-149	RADIOLOCATION 2241918	RADIOLOCATION Amateur Amateur-Satellite 918	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
149-150			149-150	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	
150-151			150-151	EARTH EXPLO- RATION- SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive) 919	EARTH EXPLO- RATION- SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive) US263 919	
151-156			151-164	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	
156-158				EARTH EXPLO- RATION- SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	US211	US211
158-164				FIXED FIXED-SATELLITE (space-to-Earth) MOBILE		
164-168			164-168	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US246	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US246	
168-170			168-170	FIXED MOBILE	FIXED MOBILE	

TABLES OF FREQUENCY ALLOCATIONS

INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
170-174.5 FIXED INTER-SATELLITE MOBILE 909 919			170-174.5	FIXED INTER-SATELLITE MOBILE 909 919	FIXED INTER-SATELLITE MOBILE 909 919	
174.5-176.5 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE MOBILE 909 SPACE RESEARCH (passive) 919			174.5-176.5	EARTH EXPLO- RATION- SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive) US263 909 919	EARTH EXPLO- RATION- SATELLITE (passive) FIXED INTER-SATELLITE MOBILE SPACE RESEARCH (passive) US263 909 919	
176.5-182 FIXED INTER-SATELLITE MOBILE 909 919			176.5-182	FIXED INTER-SATELLITE MOBILE US211 909 919	FIXED INTER-SATELLITE MOBILE US211 909 919	
182-185 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 920 921			182-185	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US246	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US246	
185-190 FIXED INTER-SATELLITE MOBILE 909 919			185-190	FIXED INTER-SATELLITE MOBILE US211 909 919	FIXED INTER-SATELLITE MOBILE US211 909 919	
190-200 MOBILE 902 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE 722 903			190-200	MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION- SATELLITE 722 902 903	MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION- SATELLITE 722 902 903	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
200-202	EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive) 722		200-202	EARTH EXPLO- RATION- SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive) US263 722	EARTH EXPLO- RATION- SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive) US263 722	
202-217	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 722		202-217	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 722	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE 722	
217-231	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 722 907		217-231	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US74 US246 722	EARTH EXPLO- RATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) US74 US246 722	
231-235	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation		231-235	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation US211	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation US211	
235-238	EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive)		235-238	EARTH EXPLO- RATION- SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive) US263	EARTH EXPLO- RATION- SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (passive) US263	

TABLES OF FREQUENCY ALLOCATIONS						
INTERNATIONAL			UNITED STATES			
Region 1 GHz	Region 2 GHz	Region 3 GHz	Band GHz	Government Allocation	Non-Govt. Allocation	Remarks
238-241			238-241	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Radiolocation	
241-248			241-248	RADIOLOCATION Amateur Amateur-Satellite 922	RADIOLOCATION Amateur Amateur-Satellite 922	ISM 245 ± 1 GHz
248-250			248-250		AMATEUR AMATEUR-SATELLITE	
250-252			250-252	EARTH EXPLO- RATION- SATELLITE (Passive) SPACE RESEARCH (Passive) 923	EARTH EXPLO- RATION- SATELLITE (Passive) SPACE RESEARCH (Passive) 923	
252-265			252-265	MOBILE 902 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE 903 923 924 925	MOBILE MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION- SATELLITE US211 902 903 923 924	
265-275			265-275	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY 926	FIXED FIXED-SATELLITE (Earth-to-space) MOBILE RADIO ASTRONOMY 926	
275-400			275-300	FIXED MOBILE 927	FIXED MOBILE 927	
			300-400	(Not allocated) 927	(Not allocated) 927	