

equipment is added to the station. Further, this approach eliminates the need for licensees to apply for a new station license, and be assigned a new call sign in cases where they forget to renew their license before it expires. Changing a stations call sign would have hidden costs for small businesses that may have literature or training information referencing the present call sign. *See* paragraph 55 *supra*. Sixth, it has decided not to continue requiring private coast station licensees to get a separate marine utility station license to use hand-held radios. This approach eliminates the need for private coast station licensees to apply for this additional license and pay a fee. *See* paragraph 58 *supra*. Seventh, it has decided to eliminate the frequency tolerance requirement for low powered private coast stations. This approach will allow private coast stations to use economical ship radios for short range communications from land. Eighth, it has decided to authorize, by rule, private coast stations and vessels communicating in Alaskan waters to use of marine VHF channel 68. This approach eliminates the need for private coast station licensees to modify their licenses, and pay a fee, to request the new authority.

F. Significant alternatives considered and rejected

The Commission considered and rejected several significant alternatives. The Commission rejected the alternative of requiring public coast stations to implement DSC as the single protocol for automatic interconnection because it determined that licensees should be given the flexibility to respond to market demands using the most efficient and cost effective protocols available for their particular area of the country. The Commission also rejected the alternative of limiting public coast station serve to units on land to a certain number of vehicles. Instead, it determined that licensees should be given the flexibility to serve any number of fixed or mobile units so long as they provide priority to marine-originating communications. The Commission rejected the alternative of prohibiting the sale, after a certain date, conventional marine radios without a DSC capability. Instead, it determined that small businesses and vessel operators may have a future need for non-DSC radios in areas of the country where DSC is not needed or desirable. The Commission rejected the alternative of requiring all DSC marine radios to meet an international standard. Instead, it determined that the SC101 minimum DSC capability, as endorsed by the Coast Guard, will provide manufacturers with the technical flexibility to respond to the communications needs of all types of vessels, *e.g.*, commercial vessels sailing internationally, recreational vessels on inland waterways. The Commission rejected the alternative of including telegraph and NB-DP authority in the "blanket license" for vessel stations because it determined that stations using telegraphy or NB-DP must ask for a Morse working series or SELCAL number. Because these are allocated internationally and are used by only a small percentage of U.S. vessels, it would be unreasonable to hand out Morse working series and SELCAL numbers to each vessel requesting a license. The Commission rejected the alternative of permitting facsimile transmissions on marine VHF frequencies nationwide because it determined, as the Coast Guard states, that there is too much congestion on marine VHF channels at this point to introduce data communications. Instead, this issue is best addressed at the same time the Commission considers narrowband operations. The Commission rejected the alternative of combining the "commerical" and "non-commerical" classifications of private marine VHF channels because it determined, and the Coast Guard agreed, that such sharing would be limited to niche markets and specific regions of the country. Instead, the Commission will consider

specific requests by the Coast Guard to implement sharing on a regional basis. Finally, the Commission rejected the alternative of permitting public coast stations to share PLMR frequencies because it determined that such sharing should be considered only after the resolution of PLMR service consolidation issues.

G. Report to Congress

The Commission shall send a copy of this Final Regulatory Flexibility Analysis with this *Second Report and Order* in a report to Congress pursuant to Section 251 of the Small Business Regulatory Enforcement Fairness Act of 1996, 5 U.S.C. § 801(a)(1)(A). A copy of this Regulatory Flexibility Analysis will also be published in the Federal Register.

II. Initial Regulatory Flexibility Analysis (for *Second Further Notice*)

As required by Section 603 of the Regulatory Flexibility Act, the Commission has prepared an Initial Regulatory Flexibility Analysis (IRFA) of the expected impact on small entities of the policies and rules proposed in this *Second Further Notice of Proposed Rule Making*. Written public comments are requested on the IRFA. Comments must be identified as responses to the IRFA and must be filed by the deadlines for comments on this *Second Further Notice of Proposed Rule Making* provided in the item.

A. Need for and Objectives of the Proposed Rule: The purpose of this item is to determine whether it is in the public interest, convenience, and necessity to amend our rules to simplify our licensing process for VHF public coast stations, to reconsider our treatment of high seas public coast stations, and to introduce additional flexibility for AMTS public coast stations. These proposals include: (1) converting licensing of VHF public coast station spectrum for which the principal use will involve, or is reasonably likely to involve, "subscriber-based" services, from site-by-site licensing to geographic area licensing, (2) simplifying and streamlining the VHF public coast spectrum licensing procedures and rules, (3) increasing licensee flexibility to provide communication services that are responsive to dynamic market demands, and (4) employing competitive bidding procedures (auctions) to resolve mutually exclusive applications for public coast spectrum for which the principal use will involve, or is reasonably likely to involve, "subscriber-based" services. In addition, we temporarily suspend the acceptance and processing of certain public coast spectrum applications, with the exception of applications in a few noted categories. These proposed rules and actions should increase the number and types of communications services available to the maritime community. Additionally, these proposals should improve safety of life and property at sea.

B. Legal Basis: Authority for issuance of this item is contained in Sections 4(i), 4(j), 7(a), 302, 303(b), 303(f), 303(g), 303(r), 307(e), 332(a), and 332(c) of the Communications Act of 1934, as amended, 47 U.S.C. §§ 154(i), 154(j), 157(a), 303(b), 303(f), 303(g), 303(r), 307(e), 332(a), and 332(c).

C. Description and Estimate of the Number of Small Entities to Which Rule Will Apply: The proposed rules would affect licensees using public coast spectrum. The Commission has not developed a definition of the term "small entity" specifically applicable to public coast station licensees. Therefore, the applicable definition of small entity is the definition under the Small Business Administration rules applicable to radiotelephone service providers. This definition provides that a small entity is any entity employing less than 1,500 persons. See 13 C.F.R. § 121.201, Standard Industrial Classification (SIC) Code 4812. Since the Regulatory Flexibility Act amendments were not in effect until the record in this proceeding was closed, the Commission was unable to request information regarding the number of small entities that may choose to provide public coast services and is unable at this time to make a meaningful estimate of the number of potential public coast service providers which are small businesses.

The size data provided by the Small Business Administration does not enable us to make a meaningful estimate of the number of public coast station licensees which are small businesses. Therefore, we used the 1992 Census of Transportation, Communications, and Utilities, conducted by the Bureau of Census, which is the most recent information available. This document shows that only 12 radiotelephone firms out of a total of 1,178 such firms which operated during 1992 had 1,000 or more employees.

We seek comment on the number of small entities that use public coast station spectrum. Further, we seek comment on the number of small entities that are likely to apply for licenses under the various proposals described herein. Because any entity that is capable of providing radiotelephone service is eligible to hold a public coast license, the proposals herein could prospectively affect any small business in the United States. In other words, the universe of prospective or possible public coast spectrum users is all small businesses.

D. Reporting, Recordkeeping, and Other Compliance Requirements:

Again, we note that we have requested comment, *supra*, regarding the establishment of a small business definition for public coast spectrum. If we use competitive bidding to award licenses, as proposed, and also establish a small business definition for the purpose of competitive bidding, then all small businesses that choose to participate in these services will be required to demonstrate that they meet the criteria set forth to qualify as small businesses, as was required under part 1, subpart Q of the FCC's Rules, 47 C.F.R. part 1, subpart Q. Any small business applicant wishing to avail itself of small business provisions will need to make the general financial disclosures necessary to establish that the small business is in fact small.

If this occurs, prior to auction each small business applicant will be required to submit an FCC Form 175, OMB Clearance Number 3060-0600. The estimated time for filling out an FCC Form 175 is 45 minutes. In addition to filing an FCC Form 175, each applicant must submit information regarding the ownership of the applicant, any joint venture arrangements or bidding consortia that the applicant has entered into, and financial information which demonstrates that a small business wishing to qualify for installment payments and bidding credits is a small business. Applicants that do not have audited financial statements available will be permitted to certify to the validity of their financial showings. While many small

businesses have chosen to employ attorneys prior to filing an application to participate in an auction, the rules are proposed so that a small business working with the information in a bidder information package can file an application on its own. When an applicant wins a license, it will be required to submit an FCC Form 494 (common carrier) which will require technical information regarding the applicant's proposals for providing service. This application will require information provided by an engineer who will have knowledge of the system's design.

E. Federal Rules That May Duplicate, Overlap, or Conflict with the Proposals:
None.

F. Significant Alternatives Minimizing the Impact on Small Entities Consistent with the Stated Objectives:

The *Notice* solicits comment on a variety of alternatives set forth herein. Any significant alternatives presented in the comments will be considered. As noted, we have requested comment, *supra*, regarding the establishment of a small business definition for the public coast service. We also seek comment generally on the existence of small entities in the public coast service and how many total entities, existing and potential, would be affected by the proposed rules in the *Notice*. Finally, we request that each commenter identify whether it is a "small business" under the SBA definition, *supra*, of employing fewer than 1,500 employees.

G. IRFA Comments

We request written public comment on the foregoing IRFA. Comments must have a separate and distinct heading designating them as responses to the IRFA and must be filed by the deadlines provided in the item.

APPENDIX C - VHF COAST STATION INFORMATION

I. VHF Public Correspondence Frequencies

The table below lists the public correspondence frequency pairs as set forth in 47 C.F.R. § 80.371(c).

Channel number	Carrier frequency (MHz)	
	Ship transmit	Coast transmit
24	157.200	161.800
25	157.250	161.850
26	157.300	161.900
27	157.350	161.950
28	157.400	162.000
84	157.225	161.825
85	157.275	161.875
86	157.325	161.925
87	157.375	161.975
88 (Puget Sound only)	157.425	162.025

II. Coast Guard Districts

§ 3.05-1 First district.

(a) The District Office is in Boston, Massachusetts.

(b) The First Coast Guard District is comprised of: Maine; New Hampshire; Vermont; Massachusetts; Rhode Island; Connecticut; New York except that part north of latitude 42° N. and west of longitude 74°39' W; that part of New Jersey north of 40°18' N. latitude, east of 74°30.5' W. longitude, and northeast of a line from 40°18' N. 74°30.5' W. north-northwesterly to the New York, New Jersey & Pennsylvania boundaries at Tristate; all U.S. Naval reservations on shore at Newfoundland; the ocean area encompassed by the Search and Rescue boundary between Canada and the United States easterly to longitude 63° W.; thence due south to latitude 41° N.; thence southwesterly along a line bearing 219°T to the point of intersection at 37° N. latitude, 67°13' W. longitude with a line bearing 122°T from the New Jersey shoreline at 40°18' N. latitude (just south of the Shrewsbury River); thence northwesterly along this line to the coast.

§ 3.25-1 Fifth district.

(a) The District Office is in Portsmouth, Va.

(b) The Fifth Coast Guard District is comprised of: North Carolina; Virginia, District of Columbia; Maryland; Delaware; that part of Pennsylvania east of a line drawn along 78°55' W. longitude south to 41°00' N. latitude, thence west to 79°00' W. longitude, and thence south to the Pennsylvania-Maryland boundary; that portion of New Jersey that lies south and west of a line drawn from the New Jersey shoreline at 40°18' N. latitude (just south of the Shrewsbury River), thence westward to 40°18' N. latitude, 74°30.5' W. longitude, thence north-northwesterly to the junction of the New York, New Jersey, and Pennsylvania boundaries at Tristate; and the ocean area encompassed by a line bearing 122°T from the coastal end of the First and Fifth Districts' land boundary at the intersection of the New Jersey shoreline and 40°18' N. latitude (just south of the Shrewsbury River) to the southernmost point in the First Coast Guard District (a point located at approximately 37° N. latitude, 67°13' W. longitude); thence along a line bearing 219°T to the point of intersection with the ocean boundary between the Fifth and Seventh Coast Guard Districts, which is defined as a line bearing 122°T from the coastal end of the Fifth and Seventh Districts' land boundary at the shoreline at the North Carolina-South Carolina border, a point located at approximately 30°55' N. 73° W.; thence northwesterly along this line to the coast.

§ 3.35-1 Seventh district.

(a) The District Office is in Miami, Fla.

(b) The Seventh Coast Guard District shall comprise South Carolina, Florida, and Georgia, except that part of Florida and Georgia west of a line from the intersection of the Florida coast with longitude 83°50' W. due north to a position 30°15' N., 83°50' W., thence due west to a position 30°15' N., 84°45' W., thence due north to the intersection with the south shore of Jim Woodruff Reservoir, thence along the east bank of the Jim Woodruff Reservoir and the east bank of the Flint River up stream to Montezuma, Ga., thence to West Point, Ga.; the Panama Canal Zone; all of the island possessions of the United States pertaining to Puerto Rico and the Virgin Islands; all of the U.S. naval reservations in the islands of the West Indies and on the north coast of South America; and the ocean areas encompassed by a line bearing 122° T. from the coastal end of the Fifth and Seventh Coast Guard District land boundary to the intersection with the eastern boundary of the National Maritime Search and Rescue Region; thence along the eastern and southern boundary of the National Maritime Search and Rescue Region to the intersection with the off-shore boundary between the Seventh and Eighth Coast Guard Districts which is defined as a line extending 199° T. from the coastal end of the Seventh and Eighth Coast Guard District land boundary; thence along this line to the coast.

§ 3.40-1 Eighth district.

(a) The District Office is in New Orleans, La.

(b) The Eighth Coast Guard District is comprised of: North Dakota, South Dakota, Wyoming, Nebraska, Iowa, Colorado, Kansas, Missouri, Kentucky, West Virginia, Tennessee, Arkansas, Oklahoma, New Mexico, Texas, Louisiana, Mississippi, and Alabama; that part of Pennsylvania south of 41° N. latitude and west of 79° W. longitude; those parts of Ohio and Indiana south of 41° N. latitude; Illinois, except that part north of 41° N. latitude and east of 90° W. longitude; that part of Wisconsin south of 46°20' N. latitude and west of 90° W. longitude; that part of Minnesota south of 46°20' N. latitude; those parts of Florida and Georgia west of a line starting at the Florida coast at 83°50' W. longitude; thence northerly to 30°15' N. latitude, 83°50' W. longitude; thence due west to 30°15' N. latitude, 84°45' W. longitude; thence due north to the southern bank of the Jim Woodruff Reservoir at 84°45' W. longitude; thence northeasterly along the eastern bank of the Jim Woodruff Reservoir and northerly along the eastern bank of the Flint River to Montezuma, GA.; thence northwesterly to West Point, GA.; and the Gulf of Mexico area west of a line bearing 199° T. from the intersection of the Florida coast at 83°50' W. longitude (the coastal end of the Seventh and Eighth Coast Guard District land boundary.)

§ 3.45-1 Ninth district.

(a) The District Office is in Cleveland Ohio.

(b) The Ninth Coast Guard District comprise Michigan, New York north of latitude 42° N. and west of longitude 74°39' W.; Pennsylvania north of latitude 41° and west of longitude 78°55' W.; that part of Ohio and Indiana north of latitude 41° N.; that part of Illinois north of latitude 41° N. and east of longitude 90° W.; Wisconsin, except that part south of latitude 46°20' N. and west of longitude 90° W.; and that part of Minnesota north of latitude 46°20' N.

§ 3.55-1 Eleventh district.

(a) The District Office is in Alameda, California.

(b) The Eleventh Coast Guard District is comprised of: Arizona; Utah; Nevada; California; and the ocean area bounded by a line from the California-Oregon state line westerly to 40° N. latitude, 150° W. longitude; thence southeasterly to 5° S. latitude, 110° W. longitude; thence northeasterly to the border between Guatemala and Mexico on the Pacific Coast (14°38' N. latitude, 92°19' W. longitude).

§ 3.65-1 Thirteenth district.

(a) The District Office is in Seattle, Wash.

(b) The Thirteenth Coast Guard District shall comprise Washington, Oregon, Idaho, and Montana; and the ocean area bounded by a line from California-Oregon state line westerly to latitude 40° N. longitude, 150° W., thence northeasterly to latitude 54°40' N., longitude 140° W., thence due east to the Canadian coast.

§ 3.70-1 Fourteenth district.

(a) The District Office is in Honolulu, Hawaii.

(b) The Fourteenth Coast Guard District shall comprise the State of Hawaii; and the Pacific Islands belonging to the United States south of latitude 40° N., and west of a line running from 40° N., 150° W. through latitude 5° S., 110° W.; the ocean area west and south of a line running from position 51° N., 158° E. to position 43° N., 165° E.; thence due south to latitude 40° N.; thence due east to longitude 150° W.; thence southeasterly through latitude 5° S., longitude 110° W.

§ 3.85-1 Seventeenth district.

(a) The District Office is in Juneau, Alaska.

(b) The Seventeenth Coast Guard District shall comprise the State of Alaska; the ocean area bounded by a line from the Canadian Coast at latitude 54°40' N. due west to longitude 140° W.; thence southwesterly to position 40° N., 150° W.; thence due west to position 40° N., 165° E.; thence due north to latitude 43° N.; thence northwesterly to 51° N., 158° E.; thence north and east along the coastline of the continent of Asia to East Cape; thence north to the Arctic Ocean.

APPENDIX D - HIGH SEAS COAST STATION INFORMATION

I. Regions for HF Radiotelephone Assignments - Standard Defined Areas

These allotment areas appear in the Preface to the International Frequency List (IFL). See IFRB Circular-letter No. 843, dated October 31, 1990.

USA CL: includes that part of the territory of USA limited on the west by a line that extends from the northern border along meridian 110 West of Greenwich to the parallel 35 North, thence along parallel 35 North to its intersection with meridian 85 West, thence along the line joining the points 85 West / 35 North and 75 West / 42 North, thence along meridian 75 West to the northern border including all coast stations of USA lying to the north of these lines.

USA E: includes that part of the territory of USA limited on the west by a line that extends from the eastern coastline along parallel 31 North to its intersection with meridian 85 West of Greenwich, thence along meridian 85 West to the parallel 35 North, thence along the line joining the points 85 West / 35 North and 75 West / 42 North, thence along meridian 75 West to the northern border including all coast stations of USA lying to the east of these lines.

USA W: includes that part of the territory of USA limited on the east by a line that extends from the northern border along meridian 110 West of Greenwich to the southern border including all coast stations of USA lying to the west of this meridian.

USA SO: includes that part of the territory of USA limited on the west by a line that extends from the southern border along meridian 110 West of Greenwich to the parallel 35 North, thence along parallel 35 North to its intersection with meridian 85 West, thence along meridian 85 West to its intersection with parallel 31 North, thence along parallel 31 North to the eastern coastline including all coast stations of USA lying to the south of these lines.

Note: In order to ensure far-reaching conformity with the existing Appendix 25 Allotment Plan and with the examination applied within the present Article 16 procedure, all lines subdividing countries into allotment areas may have a tolerance of +/-1 degree.

APPENDIX E - FINAL RULES

Chapter I of Title 47 of the Code of Federal Regulations, Parts 0, 2, 80, and 87 are amended as follows:

I. Part 0 - Commission Organization

1. The Authority citation for Part 0 continues to read as follows:

AUTHORITY: Sec 5, 48 Stat. 1068, as amended; 47 U.S.C. 155, 255, unless otherwise noted.

2. Section 0.331 is amended by revising paragraph (d) to read as follows:

* * * * *

(d) Authority concerning rulemaking proceedings. The Chief, Wireless Telecommunications Bureau shall not have the authority to act upon notices of proposed rulemaking and inquiry, final orders in rule making proceedings and inquiry proceedings, and reports arising from any of the forgoing except such orders involving ministerial conforming amendments to rule parts, or orders conforming any of the applicable rules to formally adopted international conventions or agreements where novel questions of fact, law, or policy are not involved. Also, the addition of new Marine VHF frequency coordination committee(s) to § 80.514 of this chapter need not be referred to the Commission if they do not involve novel questions of fact, policy or law, as well as requests by the United States Coast Guard to: (1) designate radio protection areas for mandatory Vessel Traffic Services (VTS) and establish marine channels as VTS frequencies for these areas; or (2) designate regions for shared commercial and non-commercial vessel use of VHF marine frequencies.

II. Part 2 - Frequency Allocations and Radio Treaty Matters; General Rules and Regulations

3. The authority citation for Part 2 continues to read as follows:

AUTHORITY: Secs. 4, 302, 303, and 307 of the Communications Act of 1934, as amended, 47 U.S.C. Sections 154, 154(i), 302, 303, 303(r), and 307, unless otherwise noted.

4. Section 2.106, the Table of Frequency Allocations, is amended as follows:

a. Remove the existing entries for 2000-28000 kHz, 28-30 MHz, and 158.115-161.575 MHz.

b. Add entries in numerical order for 2000-27500 kHz, 27.5-30 MHz, and 158.115-161.575 MHz.

c. In the International Footnotes under heading I., add footnotes S5.92, S5.93, S5.103, S5.104, S5.105, S5.106, S5.107, S5.108, S5.109, S5.110, S5.111, S5.112, S5.113, S5.114, S5.115, S5.116, S5.117, S5.118, S5.119, S5.120, S5.122, S5.123, S5.124, S5.125, S5.126, S5.127, S5.128, S5.129, S5.130, S5.131, S5.132, S5.133, S5.134, S5.135, S5.136, S5.137, S5.138, S5.139, S5.140, S5.141, S5.142, S5.143, S5.144, S5.145, S5.146, S5.147, S5.148, S5.150, S5.151, S5.152, S5.153, S5.154, S5.155, S5.155A, S5.155B, S5.156, S5.156A, S5.157, S5.226, and S5.229 in numerical order.

d. In the International Footnotes under heading II., remove footnotes 496, 497, 498, 500, 500A, 500B, 502, 503, 504, 505, 506, 507, 508, 509, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 520A, 520B, 521, 522, 523, 524, 525, 526, 527, 528, 529, 529A, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, and 546.

e. Add footnote US340 in numerical order.

f. Add footnote NG155 in numerical order.

The revisions and additions read as follows:

§ 2.106 Table of Frequency Allocations.

* * * * *

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
*	*	*	*	*	*	*
2000 – 2025 FIXED MOBILE except aeronautical mobile (R) S5.92 S5.103	2000 – 2025 FIXED MOBILE	2000 – 2025 FIXED MOBILE	2000 – 2025 FIXED MOBILE US340	2000 – 2025 MARITIME MOBILE US340 NG19	MARITIME (80)	
2025 – 2045 FIXED MOBILE except aeronautical mobile (R) Meteorological Aids S5.104 S5.92 S5.103	2025 – 2045 FIXED MOBILE	2025 – 2045 FIXED MOBILE	2025 – 2045 FIXED MOBILE US340	2025 – 2045 MARITIME MOBILE US340 NG19	MARITIME (80)	
2045 – 2065 FIXED MARITIME MOBILE LAND MOBILE S5.92	2045 – 2065 FIXED MOBILE	2045 – 2065 FIXED MOBILE	2045 – 2065 FIXED MOBILE US340	2045 – 2065 MARITIME MOBILE US340 NG19	MARITIME (80)	
2065 – 2107 FIXED MARITIME MOBILE LAND MOBILE S5.92	2065 – 2107 MARITIME MOBILE S5.105 S5.106	2065 – 2107 MARITIME MOBILE S5.105 S5.106	2065 – 2107 MARITIME MOBILE S5.105 US296 US340	2065 – 2107 MARITIME MOBILE S5.105 US296 US340	MARITIME (80)	
2107 – 2160 FIXED MARITIME MOBILE LAND MOBILE S5.92	2107 – 2160 FIXED MOBILE	2107 – 2160 FIXED MOBILE	2107 – 2160 FIXED MOBILE US340	2107 – 2160 FIXED MARITIME MOBILE LAND MOBILE US340 NG19	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
2160 – 2170 RADIOLOCATION S5.93 S5.107	2160 – 2170 FIXED MOBILE	2160 – 2170 FIXED MOBILE	2160 – 2170 FIXED MOBILE US340	2160 – 2170 FIXED MARITIME MOBILE LAND MOBILE US340 NG19	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
2170 – 2173.5 MARITIME MOBILE	2170 – 2173.5 MARITIME MOBILE	2170 – 2173.5 MARITIME MOBILE	2170 – 2173.5 MARITIME MOBILE (telephony) US340	2170 – 2173.5 MARITIME MOBILE US340	MARITIME (80)	
2173.5 – 2190.5 MOBILE (distress and calling) S5.108 S5.109 S5.110 S5.111	2173.5 – 2190.5 MOBILE (distress and calling) S5.108 S5.109 S5.110 S5.111	2173.5 – 2190.5 MOBILE (distress and calling) S5.108 S5.109 S5.110 S5.111	2173.5 – 2190.5 MOBILE (distress and calling) S5.108 S5.109 S5.110 S5.111 US279 US340	2173.5 – 2190.5 MOBILE (distress and calling) S5.108 S5.109 S5.110 S5.111 US279 US340	AVIATION (87) MARITIME (80)	2182 kHz: distress and calling
2190.5 – 2194 MARITIME MOBILE	2190.5 – 2194 MARITIME MOBILE	2190.5 – 2194 MARITIME MOBILE	2190.5 – 2194 MARITIME MOBILE (telephony) US340	2190.5 – 2194 MARITIME MOBILE US340	MARITIME (80)	
2194 – 2300 FIXED MOBILE except aero- nautical mobile (R) S5.92 S5.103 S5.112	2194 – 2300 FIXED MOBILE	2194 – 2300 FIXED MOBILE S5.112	2194 – 2300 FIXED MOBILE US340	2194 – 2300 FIXED LAND MOBILE MARITIME MOBILE US340 NG19	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
2300 – 2495 FIXED MOBILE except aeronautical mobile (R) BROADCASTING S5.113 S5.103	2300 – 2495 FIXED MOBILE BROADCASTING S5.113	2300 – 2495 FIXED MOBILE BROADCASTING S5.113	2300 – 2495 FIXED MOBILE US340	2300 – 2495 FIXED LAND MOBILE MARITIME MOBILE US340 NG19	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
2495 – 2498 FIXED MOBILE except aeronautical mobile (R) BROADCASTING S5.113 S5.103	2495 – 2498 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)	2495 – 2498 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)	2495 – 2498 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz) US340	2495 – 2498 STANDARD FREQUENCY AND TIME SIGNAL US340		
2498 – 2501 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)	2498 – 2501 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)	2498 – 2501 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)	2498 – 2501 STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz) US340	2498 – 2501 STANDARD FREQUENCY AND TIME SIGNAL US340		2500 kHz: standard frequency
2501 – 2502 STANDARD FREQUENCY AND TIME SIGNAL Space Research	2501 – 2502 STANDARD FREQUENCY AND TIME SIGNAL Space Research	2501 – 2502 STANDARD FREQUENCY AND TIME SIGNAL Space Research	2501 – 2502 STANDARD FREQUENCY AND TIME SIGNAL US340 G106	2501 – 2502 STANDARD FREQUENCY AND TIME SIGNAL US340		
2502 – 2505 FIXED MOBILE except aeronautical mobile (R) S5.92 S5.103 S5.114	2502 – 2505 STANDARD FREQUENCY AND TIME SIGNAL	2502 – 2505 STANDARD FREQUENCY AND TIME SIGNAL	2502 – 2505 STANDARD FREQUENCY AND TIME SIGNAL US340	2502 – 2505 STANDARD FREQUENCY AND TIME SIGNAL US340		

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
2505 – 2605 FIXED MOBILE except aeronautical mobile (R) S5.92 S5.103 S5.114	2505 – 2605 FIXED MOBILE	2505 – 2605 FIXED MOBILE	2505 – 2605 FIXED MOBILE US285 US340	2505 – 2605 FIXED LAND MOBILE MARITIME MOBILE US285 US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
2605 – 2625 FIXED MOBILE except aeronautical mobile (R) S5.92 S5.103 S5.114	2605 – 2625 FIXED MOBILE	2605 – 2625 FIXED MOBILE	2605 – 2625 FIXED MOBILE US285 US340	2605 – 2625 FIXED LAND MOBILE MARITIME MOBILE US285 US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
2625 – 2650 MARITIME MOBILE MARITIME RADIONAVIGATION S5.92	2625 – 2650 FIXED MOBILE	2625 – 2650 FIXED MOBILE	2625 – 2650 FIXED MOBILE US285 US340	2625 – 2650 FIXED LAND MOBILE MARITIME MOBILE US285 US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
2650 – 2850 FIXED MOBILE except aeronautical mobile (R) S5.92 S5.103	2650 – 2850 FIXED MOBILE	2650 – 2850 FIXED MOBILE	2650 – 2850 FIXED MOBILE US285 US340	2650 – 2850 FIXED LAND MOBILE MARITIME MOBILE US285 US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
2850 – 3025 AERONAUTICAL MOBILE (R) S5.111 S5.115	2850 – 3025 AERONAUTICAL MOBILE (R) S5.111 S5.115	2850 – 3025 AERONAUTICAL MOBILE (R) S5.111 S5.115	2850 – 3025 AERONAUTICAL MOBILE (R) S5.111 S5.115 US283 US340	2850 – 3025 AERONAUTICAL MOBILE (R) S5.111 S5.115 US283 US340	AVIATION (87)	

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
3025 - 3155 AERONAUTICAL MOBILE (OR)	3025 - 3155 AERONAUTICAL MOBILE (OR)	3025 - 3155 AERONAUTICAL MOBILE (OR)	3025 - 3155 AERONAUTICAL MOBILE (OR) US340	3025 - 3155 AERONAUTICAL MOBILE (OR) US340		
3155 - 3200 FIXED MOBILE except aero- nautical mobile (R) S5.116 S5.117	3155 - 3200 FIXED MOBILE except aero- nautical mobile (R) S5.116	3155 - 3200 FIXED MOBILE except aero- nautical mobile (R) S5.116 S5.117	3155 - 3200 FIXED MOBILE except aero- nautical mobile (R) US340	3155 - 3200 FIXED MOBILE except aero- nautical mobile (R) US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
3200 - 3230 FIXED MOBILE except aero- nautical mobile (R) BROADCASTING S5.113 S5.116	3200 - 3230 FIXED MOBILE except aero- nautical mobile (R) BROADCASTING S5.113 S5.116	3200 - 3230 FIXED MOBILE except aero- nautical mobile (R) BROADCASTING S5.113 S5.116	3200 - 3230 FIXED MOBILE except aero- nautical mobile (R) US340	3200 - 3230 FIXED MOBILE except aero- nautical mobile (R) US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
3230 - 3400 FIXED MOBILE except aeronautical mobile BROADCASTING S5.113 S5.116	3230 - 3400 FIXED MOBILE except aeronautical mobile BROADCASTING S5.113 S5.116 S5.118	3230 - 3400 FIXED MOBILE except aeronautical mobile BROADCASTING S5.113 S5.116 S5.118	3230 - 3400 FIXED MOBILE except aeronautical mobile Radiolocation US340	3230 - 3400 FIXED MOBILE except aeronautical mobile Radiolocation US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
3400 - 3500 AERONAUTICAL MOBILE (R)	3400 - 3500 AERONAUTICAL MOBILE (R)	3400 - 3500 AERONAUTICAL MOBILE (R)	3400 - 3500 AERONAUTICAL MOBILE (R) US283 US340	3400 - 3500 AERONAUTICAL MOBILE (R) US283 US340	AVIATION (87)	

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
3500 – 3750 AMATEUR S5.120 FIXED MOBILE except aeronautical mobile S5.92	3500 – 3750 AMATEUR S5.120 S5.119	3500 – 3750 AMATEUR S5.120 FIXED MOBILE	3500 – 3750 US340	3500 – 3750 AMATEUR S5.120 US340	AMATEUR (97)	
3750 – 3800 AMATEUR S5.120 FIXED MOBILE except aeronautical mobile S5.92	3750 – 3800 AMATEUR S5.120 FIXED MOBILE except aero- nautical mobile (R) S5.122	3750 – 3800 AMATEUR S5.120 FIXED MOBILE	3750 – 3800 US340	3750 – 3800 AMATEUR S5.120 US340	AMATEUR (97)	
3800 – 3900 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	3800 – 3900 AMATEUR S5.120 FIXED MOBILE except aero- nautical mobile (R) S5.122	3800 – 3900 AMATEUR S5.120 FIXED MOBILE	3800 – 3900 US340	3800 – 3900 AMATEUR S5.120 US340	AMATEUR (97)	
3900 – 3950 AERONAUTICAL MOBILE (OR) S5.123	3900 – 3950 AMATEUR S5.120 FIXED MOBILE except aero- nautical mobile (R) S5.122	3900 – 3950 AERONAUTICAL MOBILE BROADCASTING	3900 – 3950 US340	3900 – 3950 AMATEUR S5.120 US340	AMATEUR (97)	
3950 – 4000 FIXED BROADCASTING	3950 – 4000 AMATEUR S5.120 FIXED MOBILE except aero- nautical mobile (R) S5.122 S5.124 S5.125	3950 – 4000 FIXED BROADCASTING S5.126	3950 – 4000 US340	3950 – 4000 AMATEUR S5.120 US340	AMATEUR (97)	

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
4000 - 4063 FIXED MARITIME MOBILE S5.127	4000 - 4063 FIXED MARITIME MOBILE S5.127	4000 - 4063 FIXED MARITIME MOBILE S5.127 S5.126	4000 - 4063 MARITIME MOBILE US236 US340	4000 - 4063 MARITIME MOBILE US236 US340	INTERNATIONAL FIXED PUBLIC (23) MARITIME (80)	
4063 - 4438 MARITIME MOBILE S5.109 S5.110 S5.130 S5.131 S5.132 S5.128 S5.129	4063 - 4438 MARITIME MOBILE S5.109 S5.110 S5.130 S5.131 S5.132	4063 - 4438 MARITIME MOBILE S5.109 S5.110 S5.130 S5.131 S5.132 S5.128 S5.129	4063 - 4438 MARITIME MOBILE S5.109 S5.110 S5.130 S5.132 US82 US296 US340	4063 - 4438 MARITIME MOBILE S5.109 S5.110 S5.130 S5.132 US82 US296 US340	INTERNATIONAL FIXED PUBLIC (23) MARITIME (80)	
4438 - 4650 FIXED MOBILE except aero- nautical mobile (R)	4438 - 4650 FIXED MOBILE except aero- nautical mobile (R)	4438 - 4650 FIXED MOBILE except aero- nautical mobile	4438 - 4650 FIXED MOBILE except aero- nautical mobile (R) US340	4438 - 4650 FIXED MOBILE except aero- nautical mobile (R) US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
4650 - 4700 AERONAUTICAL MOBILE (R)	4650 - 4700 AERONAUTICAL MOBILE (R)	4650 - 4700 AERONAUTICAL MOBILE (R)	4650 - 4700 AERONAUTICAL MOBILE (R) US282 US283 US340	4650 - 4700 AERONAUTICAL MOBILE (R) US282 US283 US340	AVIATION (87)	
4700 - 4750 AERONAUTICAL MOBILE (OR)	4700 - 4750 AERONAUTICAL MOBILE (OR)	4700 - 4750 AERONAUTICAL MOBILE (OR)	4700 - 4750 AERONAUTICAL MOBILE (OR) US340	4700 - 4750 AERONAUTICAL MOBILE (OR) US340		
4750 - 4850 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE BROADCASTING S5.113	4750 - 4850 FIXED MOBILE except aero- nautical mobile (R) BROADCASTING S5.113	4750 - 4850 FIXED BROADCASTING S5.113 Land Mobile	4750 - 4850 FIXED MOBILE except aero- nautical mobile (R) US340	4750 - 4850 FIXED MOBILE except aero- nautical mobile (R) US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80)	

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
4850 – 4995 FIXED LAND MOBILE BROADCASTING S5.113	4850 – 4995 FIXED LAND MOBILE BROADCASTING S5.113	4850 – 4995 FIXED LAND MOBILE BROADCASTING S5.113	4850 – 4995 FIXED MOBILE US340	4850 – 4995 FIXED US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80)	
4995 – 5003 STANDARD FRE- QUENCY AND TIME SIGNAL (5000 kHz)	4995 – 5003 STANDARD FRE- QUENCY AND TIME SIGNAL (5000 kHz)	4995 – 5003 STANDARD FRE- QUENCY AND TIME SIGNAL (5000 kHz)	4995 – 5003 STANDARD FRE- QUENCY AND TIME SIGNAL (5000 kHz) US340	4995 – 5003 STANDARD FREQUENCY AND TIME SIGNAL US340		5000 kHz: standard frequency
5003 – 5005 STANDARD FREQUENCY AND TIME SIGNAL Space Research	5003 – 5005 STANDARD FREQUENCY AND TIME SIGNAL Space Research	5003 – 5005 STANDARD FREQUENCY AND TIME SIGNAL Space Research	5003 – 5005 STANDARD FREQUENCY AND TIME SIGNAL US340 G106	5003 – 5005 STANDARD FREQUENCY AND TIME SIGNAL US340		
5005 – 5060 FIXED BROADCASTING S5.113	5005 – 5060 FIXED BROADCASTING S5.113	5005 – 5060 FIXED BROADCASTING S5.113	5005 – 5060 FIXED US340	5005 – 5060 FIXED US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
5060 – 5250 FIXED Mobile except aeronautical mobile	5060 – 5250 FIXED Mobile except aeronautical mobile	5060 – 5250 FIXED Mobile except aeronautical mobile	5060 – 5250 FIXED Mobile except aeronautical mobile	5060 – 5250 FIXED Mobile except aeronautical mobile	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
S5.133			US212 US340	US212 US340		
5250 – 5450 FIXED MOBILE except aeronautical mobile	5250 – 5450 FIXED MOBILE except aeronautical mobile	5250 – 5450 FIXED MOBILE except aeronautical mobile	5250 – 5450 FIXED MOBILE except aeronautical mobile	5250 – 5450 FIXED MOBILE except aeronautical mobile	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
			US340	US340		
5450 – 5480 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	5450 – 5480 AERONAUTICAL MOBILE (R)	5450 – 5480 FIXED AERONAUTICAL MOBILE (OR) LAND MOBILE	5450 – 5480 AERONAUTICAL MOBILE (R)	5450 – 5480 AERONAUTICAL MOBILE (R)	AVIATION (87)	
			US283 US340	US283 US340		
5480 – 5680 AERONAUTICAL MOBILE (R)	5480 – 5680 AERONAUTICAL MOBILE (R)	5480 – 5680 AERONAUTICAL MOBILE (R)	5480 – 5680 AERONAUTICAL MOBILE (R)	5480 – 5680 AERONAUTICAL MOBILE (R)	AVIATION (87)	
S5.111 S5.115	S5.111 S5.115	S5.111 S5.115	S5.111 S5.115 US283 US340	S5.111 S5.115 US283 US340		
5680 – 5730 AERONAUTICAL MOBILE (OR)	5680 – 5730 AERONAUTICAL MOBILE (OR)	5680 – 5730 AERONAUTICAL MOBILE (OR)	5680 – 5730 AERONAUTICAL MOBILE (OR)	5680 – 5730 AERONAUTICAL MOBILE (OR)		
S5.111 S5.115	S5.111 S5.115	S5.111 S5.115	S5.111 S5.115 US340	S5.111 S5.115 US340		
5730 – 5900 FIXED LAND MOBILE	5730 – 5900 FIXED MOBILE except aeronautical mobile (R)	5730 – 5900 FIXED MOBILE except aeronautical mobile (R)	5730 – 5900 FIXED MOBILE except aeronautical mobile (R)	5730 – 5900 FIXED MOBILE except aeronautical mobile (R)	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80)	
			US340	US340		

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
5900 – 5950 BROADCASTING S5.134 S5.135 S5.136	5900 – 5950 BROADCASTING S5.134 S5.135 S5.136	5900 – 5950 BROADCASTING S5.134 S5.135 S5.136	5900 – 5950 FIXED MOBILE except aero- nautical mobile (R) US340	5900 – 5950 FIXED MOBILE except aero- nautical mobile (R) US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80)	
5950 – 6200 BROADCASTING	5950 – 6200 BROADCASTING	5950 – 6200 BROADCASTING	5950 – 6200 BROADCASTING US340	5950 – 6200 BROADCASTING US340	RADIO BROADCAST (HF)(73)	
6200 – 6525 MARITIME MOBILE S5.109 S5.110 S5.130 S5.132 S5.137	6200 – 6525 MARITIME MOBILE S5.109 S5.110 S5.130 S5.132 S5.137	6200 – 6525 MARITIME MOBILE S5.109 S5.110 S5.130 S5.132 S5.137	6200 – 6525 MARITIME MOBILE S5.109 S5.110 S5.130 S5.132 US82 US296 US340	6200 – 6525 MARITIME MOBILE S5.109 S5.110 S5.130 S5.132 US82 US296 US340	MARITIME (80)	
6525 – 6685 AERONAUTICAL MOBILE(R)	6525 – 6685 AERONAUTICAL MOBILE(R)	6525 – 6685 AERONAUTICAL MOBILE(R)	6525 – 6685 AERONAUTICAL MOBILE (R) US283 US340	6525 – 6685 AERONAUTICAL MOBILE (R) US283 US340	AVIATION (87)	
6685 – 6765 AERONAUTICAL MOBILE(OR)	6685 – 6765 AERONAUTICAL MOBILE(OR)	6685 – 6765 AERONAUTICAL MOBILE(OR)	6685 – 6765 AERONAUTICAL MOBILE (OR) US340	6685 – 6765 AERONAUTICAL MOBILE (OR) US340		
6765 – 7000 FIXED Land Mobile S5.139 S5.138	6765 – 7000 FIXED Land Mobile S5.138	6765 – 7000 FIXED Land Mobile S5.138	6765 – 7000 FIXED Mobile S5.138 US340	6765 – 7000 FIXED Mobile S5.138 US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23)	6780 + 15 kHz: industrial, scientific, and medical
7000 – 7100 AMATEUR S5.120 AMATEUR-SATELLITE S5.140 S5.141	7000 – 7100 AMATEUR S5.120 AMATEUR-SATELLITE	7000 – 7100 AMATEUR S5.120 AMATEUR- SATELLITE	7000 – 7100 US340	7000 – 7100 AMATEUR S5.120 AMATEUR-SATELLITE US340	AMATEUR (97)	

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
7100 – 7300 BROADCASTING	7100 – 7300 AMATEUR S5.120 S5.142	7100 – 7300 BROADCASTING	7100 – 7300 S5.142 US340	7100 – 7300 AMATEUR S5.120 S5.142 US340	AMATEUR (97)	
7300 – 7350 BROADCASTING S5.134 S5.135 S5.143	7300 – 7350 BROADCASTING S5.134 S5.135 S5.143	7300 – 7350 BROADCASTING S5.134 S5.135 S5.143	7300 – 7350 FIXED Mobile US340	7300 – 7350 FIXED Mobile US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
7350 – 8100 FIXED Land Mobile	7350 – 8100 FIXED Land Mobile	7350 – 8100 FIXED Land Mobile S5.144	7350 – 8100 FIXED Mobile US340	7350 – 8100 FIXED Mobile US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) PRIVATE LAND MOBILE (90)	
8100 – 8195 FIXED MARITIME MOBILE	8100 – 8195 FIXED MARITIME MOBILE	8100 – 8195 FIXED MARITIME MOBILE	8100 – 8195 MARITIME MOBILE US236 US340	8100 – 8195 MARITIME MOBILE US236 US340	MARITIME (80)	
8195 – 8815 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145 S5.111 US82 US296 US340	8195 – 8815 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145 S5.111 US82 US296 US340	MARITIME (80)				
8815 – 8965 AERONAUTICAL MOBILE (R)	8815 – 8965 AERONAUTICAL MOBILE (R)	8815 – 8965 AERONAUTICAL MOBILE (R)	8815 – 8965 AERONAUTICAL MOBILE (R) US340	8815 – 8965 AERONAUTICAL MOBILE (R) US340	AVIATION (87)	

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
8965 – 9040 AERONAUTICAL MOBILE (OR)	8965 – 9040 AERONAUTICAL MOBILE (OR)	8965 – 9040 AERONAUTICAL MOBILE (OR)	8965 – 9040 AERONAUTICAL MOBILE (OR) US340	8965 – 9040 AERONAUTICAL MOBILE (OR) US340		
9040 – 9400 FIXED	9040 – 9400 FIXED	9040 – 9400 FIXED	9040 – 9400 FIXED US340	9040 – 9400 FIXED US340	INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) Aviation (87)	
9400 – 9500 BROADCASTING S5.134 S5.135 S5.146	9400 – 9500 BROADCASTING S5.134 S5.135 S5.146	9400 – 9500 BROADCASTING S5.134 S5.135 S5.146	9400 – 9500 FIXED US340	9400 – 9500 FIXED US340	INTERNATIONAL FIXED PUBLIC (23) MARITIME (80) Aviation (87)	
9500 – 9900 BROADCASTING S5.147 S5.148	9500 – 9900 BROADCASTING S5.147 S5.148	9500 – 9900 BROADCASTING S5.147 S5.148	9500 – 9900 BROADCASTING S5.147 S5.148 US235 US340	9500 – 9900 BROADCASTING S5.147 S5.148 US235 US340	RADIO BROADCAST (HF)(73) INTERNATIONAL FIXED PUBLIC (23)	
9900 – 9995 FIXED	9900 – 9995 FIXED	9900 – 9995 FIXED	9900 – 9995 FIXED US340	9900 – 9995 FIXED US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23)	
9995 – 10003 STANDARD FRE- QUENCY AND TIME SIGNAL (10000 kHz) S5.111	9995 – 10003 STANDARD FRE- QUENCY AND TIME SIGNAL (10000 kHz) S5.111	9995 – 10003 STANDARD FRE- QUENCY AND TIME SIGNAL (10000 kHz) S5.111	9995 – 10003 STANDARD FRE- QUENCY AND TIME SIGNAL (10000 kHz) S5.111 US340	9995 – 10003 STANDARD FREQUENCY AND TIME SIGNAL S5.111 US340		10000 kHz: standard frequency

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
10003 - 10005 STANDARD FREQUENCY AND TIME SIGNAL Space Research	10003 - 10005 STANDARD FREQUENCY AND TIME SIGNAL Space Research	10003 - 10005 STANDARD FREQUENCY AND TIME SIGNAL Space Research	10003 - 10005 STANDARD FREQUENCY AND TIME SIGNAL	10003 - 10005 STANDARD FREQUENCY AND TIME SIGNAL		
S5.111	S5.111	S5.111	S5.111 US340 G106	S5.111 US340		
10005 - 10100 AERONAUTICAL MOBILE (R)	10005 - 10100 AERONAUTICAL MOBILE (R)	10005 - 10100 AERONAUTICAL MOBILE (R)	10005 - 10100 AERONAUTICAL MOBILE (R)	10005 - 10100 AERONAUTICAL MOBILE (R)	AVIATION (87)	
S5.111	S5.111	S5.111	S5.111 US283 US340	S5.111 US283 US340		
10100 - 10150 FIXED Amateur S5.120	10100 - 10150 FIXED Amateur S5.120	10100 - 10150 FIXED Amateur S5.120	10100 - 10150	10100 - 10150 AMATEUR S5.120	AMATEUR (97)	
			US247 US340	US247 US340		
10150 - 11175 FIXED Mobile except aero- nautical mobile (R)	10150 - 11175 FIXED Mobile except aero- nautical mobile (R)	10150 - 11175 FIXED Mobile except aero- nautical mobile (R)	10150 - 11175 FIXED Mobile except aero- nautical mobile (R)	10150 - 11175 FIXED Mobile except aero- nautical mobile (R)	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23)	
			US340	US340		
11175 - 11275 AERONAUTICAL MOBILE (OR)	11175 - 11275 AERONAUTICAL MOBILE (OR)	11175 - 11275 AERONAUTICAL MOBILE (OR)	11175 - 11275 AERONAUTICAL MOBILE (OR)	11175 - 11275 AERONAUTICAL MOBILE (OR)		
			US340	US340		
11275 - 11400 AERONAUTICAL MOBILE (R)	11275 - 11400 AERONAUTICAL MOBILE (R)	11275 - 11400 AERONAUTICAL MOBILE (R)	11275 - 11400 AERONAUTICAL MOBILE (R)	11275 - 11400 AERONAUTICAL MOBILE (R)	AVIATION (87)	
			US283 US340	US283 US340		
11400 - 11600 FIXED	11400 - 11600 FIXED	11400 - 11600 FIXED	11400 - 11600 FIXED	11400 - 11600 FIXED	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23)	
			US340	US340		

International table			United States table		FCC use designators	
Region 1 -- allocation kHz	Region 2 -- allocation kHz	Region 3 -- allocation kHz	Government	Non-Government	Rule part(s)	Special-use frequencies
(1)	(2)	(3)	Allocation kHz (4)	Allocation kHz (5)	(6)	(7)
11600 – 11650 BROADCASTING S5.134 S5.135 S5.146	11600 – 11650 BROADCASTING S5.134 S5.135 S5.146	11600 – 11650 BROADCASTING S5.134 S5.135 S5.146	11600 – 11650 FIXED US340	11600 – 11650 FIXED US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23)	
11650 – 12050 BROADCASTING S5.147 S5.148	11650 – 12050 BROADCASTING S5.147 S5.148	11650 – 12050 BROADCASTING S5.147 S5.148	11650 – 12050 BROADCASTING US235 US340	11650 – 12050 BROADCASTING US235 US340	RADIO BROADCAST (HF)(73) INTERNATIONAL FIXED PUBLIC (23)	
12050 – 12100 BROADCASTING S5.134 S5.135 S5.146	12050 – 12100 BROADCASTING S5.134 S5.135 S5.146	12050 – 12100 BROADCASTING S5.134 S5.135 S5.146	12050 – 12100 FIXED US340	12050 – 12100 FIXED US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23)	
12100 – 12230 FIXED	12100 – 12230 FIXED	12100 – 12230 FIXED	12100 – 12230 FIXED US340	12100 – 12230 FIXED US340	AVIATION (87) INTERNATIONAL FIXED PUBLIC (23)	
12230 – 13200 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145	12230 – 13200 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145	12230 – 13200 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145	12230 – 13200 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145 US82 US296 US340	12230 – 13200 MARITIME MOBILE S5.109 S5.110 S5.132 S5.145 US82 US296 US340	INTERNATIONAL FIXED PUBLIC (23) MARITIME (80)	
13200 – 13260 AERONAUTICAL MOBILE (OR)	13200 – 13260 AERONAUTICAL MOBILE (OR)	13200 – 13260 AERONAUTICAL MOBILE (OR)	13200 – 13260 AERONAUTICAL MOBILE (OR) US340	13200 – 13260 AERONAUTICAL MOBILE (OR) US340		
13260 – 13360 AERONAUTICAL MOBILE (R)	13260 – 13360 AERONAUTICAL MOBILE (R)	13260 – 13360 AERONAUTICAL MOBILE (R)	13260 – 13360 AERONAUTICAL MOBILE (R) US283 US340	13260 – 13360 AERONAUTICAL MOBILE (R) US283 US340	AVIATION (87)	