

Federal Communications Commission

§ 80.385

VESSEL TRAFFIC SERVICES SYSTEM
(VTS)

§ 80.383 Vessel Traffic Services (VTS) system frequencies.

This section describes the carrier frequencies available for use in the Coast Guard Vessel Traffic Services (VTS) systems within the designated geographic radio protected areas.

(a) Assigned frequencies:

VESSEL TRAFFIC CONTROL FREQUENCIES

Carrier frequencies (MHz)	Geographic areas
156.250	Seattle.
156.550	New York, New Orleans, ² Houston, Prince William Sound, ² Berwick Bay.
156.600	New York, New Orleans, ² Houston, San Francisco, ² Sault Ste. Marie. ²
156.700	New York, New Orleans, ² Seattle, San Francisco. ¹

¹ Private coast station licenses for the use of this frequency will not be renewed beyond November 1, 1997. Continued use until expiration must be on a noninterference basis to Coast Guard VTS communications.

² Private coast station licenses for the use of this frequency in this area will expire at the end of the current license term or five years after the adopted date of the final rule, whichever comes first. Continued use until expiration must be on a non-interference basis to Coast Guard VTS communications.

(b) The U.S. Coast Guard designated radio protection areas for VTS are as follows:

(1) *New York*. The rectangle between north latitudes 40 degrees and 42 degrees and west longitudes 71 degrees and 74 degrees 30 minutes;

(2) *New Orleans*. The rectangle between North latitudes 27 degrees 30 minutes and 31 degrees 30 minutes and West longitudes 87 degrees 30 minutes and 93 degrees;

(3) *Houston*. The rectangle between north latitudes 28 degrees 30 minutes and 30 degrees 20 minutes and west longitudes 93 degrees 30 minutes and 96 degrees;

(4) *Seattle (Puget Sound)*. The area encompassed between the United States-Canadian border and a line drawn from 49 degrees North 121 degrees West on the United States-Canadian Border, to 46 degrees 30 minutes North 121 degrees West, then to 46 degrees 30 minutes North 125 degrees West, then to 48 degrees 30 minutes North 125 degrees West, and then east to the United States-Canadian Border;

(5) *San Francisco*. The rectangle between north latitudes 39 degrees and 37

degrees and west longitudes 120 degrees 50 minutes and 123 degrees 20 minutes; and

(6) *Prince William Sound*. The rectangle between North latitudes 61 degrees 17 minutes and 59 degrees 22 minutes and West longitudes 149 degrees 39 minutes and 145 degrees 36 minutes.

(7) *Sault Ste. Marie*. The rectangle between North latitudes 45 degrees and 47 degrees, and West longitudes 83 degrees and 85 degrees.

(8) *Berwick Bay*. The rectangle between North latitudes 28 degrees 30 minutes and 30 degrees 30 minutes, and West longitudes 90 degrees 50 minutes and 92 degrees.

(c) The use of the frequencies shown in paragraph (a) of this section is permitted in areas outside the Coast Guard radio protection areas provided there is no interference to VTS communications within the VTS areas.

[51 FR 31213, Sept. 2, 1986, as amended at 52 FR 35245, Sept. 18, 1987; 54 FR 8746, Mar. 2, 1989; 55 FR 46514, Nov. 5, 1990; 58 FR 16504, Mar. 29, 1993; 61 FR 26120, May 24, 1996; 61 FR 26466, May 28, 1996; 63 FR 53313, Oct. 5, 1998]

AUTOMATED SYSTEMS

§ 80.385 Frequencies for automated systems.

This section describes the carrier frequencies for the Automated Maritime Telecommunications System (AMTS) and for other automated multi-station systems.

(a) *Automated Maritime Telecommunications System (AMTS)*. (1) The Automated Maritime Telecommunications System (AMTS) is an integrated and interconnected maritime communications system.

(2) The following carrier frequencies are available for assignment to public coast stations for public correspondence communications with ship stations and units on land. AMTS operations must not cause harmful interference to the U.S. Navy SPASUR system which operates in the band 216.880-217.080 MHz.

Channel No.	Carrier frequency (MHz)		Group
	Ship transmit ^{1,3}	Coast transmit ²	
101	216.0125	D
102	216.0375	
103	216.0625	

Channel No.	Carrier frequency (MHz)		Group
	Ship transmit ^{1,3}	Coast transmit ²	
104		216.0875	
105		216.1125	
106		216.1375	
107		216.1625	
108		216.1875	
109		216.2125	
110		216.2375	
111		216.2625	
112		216.2875	
113		216.3125	
114		216.3375	
115		216.3625	
116		216.3875	
117		216.4125	
118		216.4375	
119		216.4625	
120		216.4875	
121		216.5125	C
122		216.5375	
123		216.5625	
124		216.5875	
125		216.6125	
126		216.6375	
127		216.6625	
128		216.6875	
129		216.7125	
130		216.7375	
131		216.7625	
132		216.7875	
133		216.8125	
134		216.8375	
135		216.8625	
136		216.8875	
137		216.9125	
138		216.9375	
139		216.9625	
140		216.9875	
141	219.0125	217.0125	B
142	219.0375	217.0375	
143	219.0625	217.0625	
144	219.0875	217.0875	
145	219.1125	217.1125	
146	219.1375	217.1375	
147	219.1625	217.1625	
148	219.1875	217.1875	
149	219.2125	217.2125	
150	219.2375	217.2375	
151	219.2625	217.2625	
152	219.2875	217.2875	
153	219.3125	217.3125	
154	219.3375	217.3375	
155	219.3625	217.3625	
156	219.3875	217.3875	
157	219.4125	217.4125	
158	219.4375	217.4375	
159	219.4625	217.4625	
160	219.4875	217.4875	
161	219.5125	217.5125	A
162	219.5375	217.5375	
163	219.5625	217.5625	
164	219.5875	217.5875	
165	219.6125	217.6125	
166	219.6375	217.6375	
167	219.6625	217.6625	
168	219.6875	217.6875	
169	219.7125	217.7125	
170	219.7375	217.7375	
171	219.7625	217.7625	
172	219.7875	217.7875	
173	219.8125	217.8125	
174	219.8375	217.8375	
175	219.8625	217.8625	

Channel No.	Carrier frequency (MHz)		Group
	Ship transmit ^{1,3}	Coast transmit ²	
176	219.8875	217.8875	
177	219.9125	217.9125	
178	219.9375	217.9375	
179	219.9625	217.9625	
180	219.9875	217.9875	

¹ Ship transmit frequencies in Groups C and D are not authorized for AMTS use.

² Coast station operation on frequencies in Groups C and D are not currently assignable and are shared on a secondary basis with the Low Power Radio Service in part 95 of this chapter. Frequencies in the band 216.750–217.000 MHz band are available for low power point-to-point network control communications by AMTS coast stations under the Low Power Radio Service (LPRS). LPRS operations are subject to the conditions that no harmful interference is caused to the United States Navy's SPASUR radar system (216.88–217.08 MHz) or to TV reception within the Grade B contour of any TV channel 13 station or within the 68 dBu predicted contour of any low power TV or TV translator station operating on channel 13.

³ Ship transmit frequencies in Groups A and B are permitted to provide mobile-to-mobile communications where the written consent of all affected licensees is obtained.

(3) As listed in the table in this paragraph, AMTS Areas (AMTSAs) are based on, and composed of one or more of, the U.S Department of Commerce's 172 Economic Areas (EAs). See 60 FR 13114 (March 10, 1995). In addition, the Commission shall treat Puerto Rico, the United States Virgin Islands, and the Gulf of Mexico as EA-like areas. The Gulf of Mexico EA extends from 12 nautical miles off the United States Gulf coast outward into the Gulf. See §27.6(a)(2) of this chapter and 62 FR 9636. Maps of the EAs and AMTSAs are available for public inspection and copying at the Federal Communications Commission, Reference Center, 445 12th Street, SW., Room CY A257, Washington, DC 20554. These maps and data are also available on the FCC Web site at www.fcc.gov/oet/info/maps/areas/. The Group A and B frequency pairs listed in the table in paragraph (a)(2) of this section are available for assignment to a single licensee in each of the AMTSAs listed in the table in this paragraph. In addition to the listed EAs listed in the table in this paragraph, each AMTSA also includes the adjacent waters under the jurisdiction of the United States.

AMTS AREAS (AMTSAs)

AMTSAs	EAs
1 (Northern Atlantic)	1–5, 10 9, 11–23, 25, 42, 46
2 (Mid-Atlantic)	24, 26–34, 37, 38, 40, 41,
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AMTS AREAS (AMTSAs)—Continued

AMTSAs	EAs
3 (Southern Atlantic)	35, 36, 39, 43–45, 47–53, 67–107, 113, 116–120, 122–125, 127, 130–134, 176 6–8, 54–66, 108, 109
4 (Mississippi River)	160–165 147, 166–170
5 (Great Lakes)	172
6 (Southern Pacific)	171 110–112, 114–115, 121, 126, 128, 129, 135–146, 148–159
7 (Northern Pacific)	
8 (Hawaii)	
9 (Alaska)	
10 (Mountain)	

(4) Channels in the 219–220 MHz band are also used on a secondary, non-interference basis by amateur stations participating in digital message forwarding systems. Amateur stations may not cause harmful interference to AMTS operations and must accept any harmful interference from AMTS operation. Amateur stations within 80 km (50 miles) of an AMTS coast station must obtain written approval from the AMTS licensee prior to operating in the 219–220 MHz band. Amateur stations within 640 km (398 miles) of an AMTS coast station must notify the AMTS licensee in writing at least 30 days prior to initiation of operations in the 219–220 MHz band. All amateur stations must notify the American Radio Relay League in writing at least 30 days prior to initiation of operations in the 219–220 MHz band (ARRL, 225 Main St., Newington, CT 06111-1494).

(b) Subject to the requirements of §1.924 of this chapter, §§80.215(h), and 80.475(a), each AMTS geographic area licensee may place stations anywhere within its region without obtaining prior Commission approval provided:

(1) The AMTS geographic area licensee must locate its stations at least 120 kilometers from the stations of co-channel site-based AMTS licensees. Shorter separations between such stations will be considered by the Commission on a case-by-case basis upon submission of a technical analysis indicating that at least 18 dB protection will be provided to a site-based licensee's predicted 38 dBu signal level contour. The site-based licensee's predicted 38 dBu signal level contour shall be calculated using the F(50, 50) field strength chart for Channels 7–13 in §73.699 (Fig. 10) of this chapter, with a

9 dB correction for antenna height differential. The 18 dB protection to the site-based licensee's predicted 38 dBu signal level contour shall be calculated using the F(50, 10) field strength chart for Channels 7–13 in §73.699 (Fig. 10a) of this chapter, with a 9 dB correction factor for antenna height differential.

(2) The locations and/or technical parameters of the transmitters are such that individual coordination of the channel assignment(s) with a foreign administration, under applicable international agreements and rules in this part, is not required.

(3) For any construction or alteration that would exceed the requirements of §17.7 of this chapter, licensees must notify the appropriate Regional Office of the Federal Aviation Administration (FAA Form 7460-1) and file a request for antenna height clearance and obstruction marking and lighting specifications (FCC Form 854) with the FCC, Attn: Information Processing Branch, 1270 Fairfield Rd., Gettysburg, PA 17325-7245.

(4) The transmitters must not have a significant environmental effect as defined by §§1.1301 through 1.1319 of this chapter.

(c) Any recovered frequency blocks will revert automatically to the holder of the geographic area license within which such frequencies are included. Any frequency blocks recovered where there is no geographic area licensee will be retained by the Commission for future licensing.

(d) *Automated multi-station system.* Great Lakes Region. The following table describes the assignable carrier frequency pairs to provide communication services including automated calling, teleprinter and facsimile:

Channel designator	Carrier frequency (MHz)	
	Ship transmit	Coast transmit
17	None	¹ 156.850
84	157.225	161.825
85	157.275	161.875
86	157.325	161.925
87	157.375	161.975

¹The frequency 156.850 MHz is used only to transmit scheduled weather broadcasts.

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ALASKA FIXED STATIONS

§ 80.387 Frequencies for Alaska fixed stations.

(a) The carrier frequencies listed in (b) of this section are assignable for point-to-point simplex radiotelephone communications between private fixed stations in Alaska. The frequency pairs listed in paragraph (d) of this section are assignable for point-to-point duplex radiotelephone communications between private and public fixed stations in Alaska. Fixed stations in Alaska authorized to share carrier frequencies with the maritime mobile service must always give priority on such frequencies to maritime distress, urgency and safety communications.

(b) *Alaska private-fixed station frequencies:*

CARRIER FREQUENCIES (KHZ)

1643.0 ⁴	2430.0	2773.0
1646.0 ⁴	2447.0	3164.5
1649.0 ⁴	2450.0	3183.0
1652.0 ⁴	2463.0	3196.0
1657.0 ⁴	2466.0	3201.0
1660.0 ^{1,4}	2471.0	3258.0
1705.0 ⁴	2479.0	3261.0
1709.0	2482.0	3303.0
1712.0	2506.0	3365.0
2003.0	2509.0	4035.0
2006.0	2512.0	5164.5
2115.0	2535.0	³ 5167.5
2118.0	2538.0	5204.5
2253.0	2563.0	² 6948.5
2400.0	2566.0	² 7368.5
2419.0	2601.0	8067.0
2422.0	2616.0	8070.0
2427.0	2691.0	² 11437.0
		^{2,5} 11601.5

¹ Use of 1660.0 kHz must be coordinated to protect radiolocation on adjacent channels.

² Peak envelope power must not exceed 1 kW for radiotelephony. Teleprinter use is authorized.

³ The frequency 5167.5 kHz is available for emergency communications in Alaska. Peak envelope power of stations operating on this frequency must not exceed 150 watts. When a station in Alaska is authorized to use 5167.5 kHz, such station may also use this frequency for calling and listening for the purpose of establishing communications.

⁴ Use of these frequencies is on a secondary basis to Region 2 broadcasting.

⁵ After April 1, 2007, use of the frequency 11601.5 kHz shall be on the condition that harmful interference is not caused to HF broadcasting.

(c) Use of the frequencies in paragraph (b) of this section must meet the following conditions:

(1) Communications between private coast and private fixed stations are prohibited; and

(2) Station licensees must not charge for third party communication services between their station and any other private fixed station.

(d) The following carrier frequency pairs are assignable for point-to-point communications between public fixed and private fixed stations:

Public fixed station frequencies (kHz)	Private fixed Station frequencies (kHz)
12312.0	2632.0
2604.0	2256.0
2781.0	³ 2474.0
2784.0	2694.0
3167.5	3354.0
3180.0	2776.0
3241.0	3357.0
3362.0	3238.0
² 4791.5	5207.5
5370.0	⁴ 5134.5, ⁴ 5137.5

¹ This frequency is assignable on a primary basis to public coast stations and on a secondary basis to public fixed stations.

² Teleprinter use is authorized.

³ Peak envelope power must not exceed 1 kW.

⁴ Licensees must cease all communications on 5134.5 kHz and 5137.5 kHz when notified by the State of Alaska of an emergency or disaster. Licensees may resume communication on these frequencies when notified by the State of Alaska that the disaster or harmful interference has ended.

(e) The public fixed station frequencies are assignable to common carriers.

(f) The private fixed station frequencies described in paragraph (d) of this section are assignable to private entities located in areas where common carrier facilities are not available. Private fixed stations operating on the frequencies in paragraph (d) of this section, must communicate with public fixed stations only. Private fixed stations are permitted to provide third party communications between their station and the public fixed stations. A charge for such service is prohibited.

(g) U.S. Government frequencies will be authorized if the Commission determines that the assignment is in the public interest.

[51 FR 31213, Sept. 2, 1986, as amended at 52 FR 35245, Sept. 18, 1987; 56 FR 34030, July 25, 1991; 68 FR 25540, May 13, 2003]