					16640.5		
W50	4193.0	6291.0	8371.5	12446.5	16643.5	22266.5	25166.0
			8373.0	12422.5	16674.5	22260.0	
					16641.0		
W51	4192.5	6290.5	8372.0	12447.0	16644.0	22267.0	25166.5
			8373.5	12423.0	16675.0	22260.5	
					16641.5		
W52	4192.0	6290.0	8372.5	12447.5	16644.5	22267.5	25167.0
			8374.0	12423.5	16675.5	22261.0	
					16642.0		
W53	4191.5	6289.5	8373.0	12448.0	16645.0	22268.0	25167.5
			8374.5	12424.0	16676.0	22261.5	
					16642.5		
W54	4191.0	6289.0	8373.5	12448.5	16645.5	22268.5	25168.0
			8375.0	12424.5	16676.5	22262.0	
					16643.0		
W55	4190.5	6288.5	8374.0	12449.0	16646.0	22269.0	25168.5
			8375.5	12425.0	16677.0	22262.5	
					16643.5		
W56	4190.0	6288.0	8374.5	12449.5	16646.5	22269.5	25169.0
			8376.0	12425.5	16677.5	22263.0	
					16644.0		
W57	4189.5	6287.5	8375.0	12450.0	16647.0	22270.0	25169.5
			8342.0	12426.0	16678.0	22263.5	
					16644.5		
W58	4189.0	6287.0	8375.5	12450.5	16647.5	22270.5	25170.0
			8342.5	12426.5	16678.5	22264.0	
					16645.0		
W59	4188.5	6286.5	8376.0	12451.0	16648.0	22271.0	25170.5
			8343.0	12427.0	16679.0	22264.5	
					16645.5		
W60	4188.0	6286.0	8342.0	12451.5	16648.5	22271.5	25171.0
			8343.5	12427.5	16679.5	22265.0	
					16646.0		
W61	4187.5	6285.5	8342.5	12452.0	16649.0	22272.0	25161.5
			8344.0	12428.0	16680.0	22265.5	
					16646.5		
W62	4187.0	6285.0	8343.0	12452.5	16649.5	22272.5	25162.0
			8344.5	12428.5	16680.5	22266.0	
					16678.0		

(a) (3) (ii)

(ii) If the frequencies listed in paragraph (3)(i) of this section are not adequate for communications, ship stations may use any of the non-paired narrow-band direct-printing frequencies listed in s 80.361(b) of this part for A1A or J2A radiotelegraphy.

(b)

(b) Coast station frequencies--

(b) (1)

(1) Frequencies in the 100-27500 kHz band. The following table describes the working carrier frequencies in the 100-27500 kHz band which are assignable to coast stations located in the designated geographical areas. The exclusive

maritime mobile HF bands listed in the table contained in s 80.363(b) of this part are also available for assignment to public coast stations for A1A or J2A radiotelegraphy following coordination with government users.

Area	Bands [FN1]								
	100 160 kHz	405-525 kHz	2 MHz	4 MHz	6 MHz	8 MHz	12 MHz	16 MHz	22 MHz
Central Pacific ...	126.15	426.00	2037.5	4247.0	6348.0	8558.0	12695.5	17016.8	22479.0
	.....	436.00	2045.0	4274.0	6365.5	8618.0	12808.5	17026.0	22515.0
	147.85	460.00	2061.5	4228.0	6477.5	8642.0	12844.5	17088.8	22557.0
	.....	476.0	.....	.....	6488.0	8445.0	13002.0	.....	22581.5
	.....	500.00	.....	.....	.....	.....	13033.5	.....	.....
	.....	512.00	.....	.....	.....	.....	.....	.....	.....
South Pacific	.....	418.00	2049.5	4238.0	6355.0	8590.0	12691.0	17064.8	22467.0
	.....	464.00	2055.5	4283.0	6463.5	8606.0	12912.0	17088.8	22593.5
	.....	482.00	.....	.....	.....	8642.0	12993.0	17220.5	.....
	.....	500.00	.....	.....	.....	.....	13033.5	.....	.....
	.....	512.00	.....	.....	.....	.....	.....	.....	.....
Gulf of Mexico	153.00	410.00	2042.0	4256.0	6369.0	8473.0	12704.5	17117.6	22467.0
	.....	420.00	2048.0	4274.0	6435.5	8550.0	12826.5	17170.4	22668.5
	.....	434.00	2049.5	4310.0	6446.0	8570.0	12840.0	17172.4	22686.5
	.....	438.00	2052.5	4322.0	6495.0	8666.0	13038.0	17230.1	22688.0
	.....	478.00	2055.5	.....	.....	8445.0	13051.5	.....	.....
	.....	484.00	2063.0	.....	.....	8453.0	12660.0	.....	.....
	.....	500.00	.....	.....	.....	.....	.....	.....	.....
	.....	512.00	.....	.....	.....	.....	.....	.....	.....
Great Lakes .	.....	482.00	.....	4316.0	6474.0	8534.0	.....	.....	.....
	.....	500.00	.....	.....	.....	.....	.....	.....	.....
	.....	512.00	.....	.....	.....	.....	.....	.....	.....
Hawaii	.....	484.00	2052.5	4295.0	6407.5	8542.0	13029.0	16978.4	22509.0
	.....	500.00	.....	.....	.....	.....	.....	.....	.....
	.....	512.00	.....	.....	.....	.....	.....	.....	.....
Puerto Rico .	153.00	486.00	2052.5	4244.0	.....	8457.0	12700.0	.....	.....
	.....	500.00	.....	.....	.....	.....	.....	.....	.....
	.....	512.00	.....	.....	.....	.....	.....	.....	.....
North Atlantic ..	112.85	418.00	2036.0	4238.0	6351.5	8502.0	12745.5	16933.2	22485.0
	124.05	436.00	2040.5	4268.0	6376.0	8514.0	12925.5	16968.8	22503.0
	130.35	442.00	2046.5	4331.0	6414.5	8586.0	12948.0	16973.6	22521.0
	132.10	460.00	2051.0	4343.0	6418.0	8610.0	12961.5	16997.6	22599.5
	134.55	472.00	2054.0	4346.0	6333.5	8630.0	12997.5	17021.6	22640.0
	137.00	476.00	2060.0	.....	6337.0	8658.0	13020.0	17093.6	22658.0
	.....	482.00	.....	.....	6344.0	8686.0	13024.5	16904.9	.....
	146.80	500.00	.....	.....	.....	.....	13033.5	.....	.....
	147.50	512.00	.....	.....	.....	.....	13060.5	.....	.....
Central Atlantic ..	.....	428.00	2063.0	4346.0	6484.5	8502.0	12885.0	16916.5	22588.5
	.....	500.00	.....	.....	.....	.....	.....	.....	.....
	.....	512.00	.....	.....	.....	.....	.....	.....	.....
South Atlantic ..	137.70	434.00	2039.0	4250.0	6389.6	8486.0	12952.5	16918.8	22503.0

	.....	464.00	2043.5	4292.0	6407.5	8525.0	12970.5	17093.6	22575.5
	.....	472.00	2051.0	4295.0	6411.0	8686.0	13011.0	17160.8	.....
	.....	488.00	2057.0	.....	.....	8453.0	12660.0	17170.4	.....
	.....	500.00	.....	.....	.....	.....	.....	17239.7	.....
	.....	512.00	.....	.....	.....	.....	.....	.....	.....
North Pacific	.....	482.00	2058.5	4349.0	6411.0	8582.0	12907.5	17007.2	22539.0
	.....	488.00	2063.0	.....	.....	8658.0	12916.5	.....	.....
	.....	500.00	.....	.....	.....	.....	.....	.....	.....
	.....	512.00	.....	.....	.....	.....	.....	.....	.....
Alaska	.....	416.00	.....	.....	.....	.....	.....	.....	.....
	.....	438.00	.....	.....	.....	.....	.....	.....	.....
	.....	452.00	.....	.....	.....	.....	.....	.....	.....
	.....	472.00	.....	.....	.....	.....	.....	.....	.....
	.....	512.00	.....	.....	.....	.....	.....	.....	.....

FN1 All frequencies in this table are shown in kilohertz.

(b) (2)
(2) Conditions of use. The following conditions are applicable to these frequencies:
(b) (2) (i)
(i) Frequencies in the 100-160 kHz band are assignable to coast stations for high seas communications only;
(b) (2) (ii)
(ii) Frequencies above 5 MHz may be assigned primarily to stations serving the high seas and secondarily to stations serving inland waters of the United States, including the Great Lakes, under the condition that interference will not be caused to any coast station serving the high seas. Applicants for these frequencies must submit a substantial showing of need based on the following factors:
(b) (2) (ii) (A)
(A) a schedule of each currently licensed Morse working frequency and the expected use of the proposed frequencies;
(b) (2) (ii) (B)
(B) for additional frequencies within the same MHz band, a factual showing of the 3 busiest hours of any 4 days within a consecutive 10 day period for each of the 2 months immediately preceding the filing of the application indicating that the applicant has used its currently assigned frequencies within the same MHz band an aggregate average of at least 40% of the 3 busiest hours of each day for exchanging communications; and
(b) (2) (ii) (C)
(C) any other facts that support the need for the proposed assignment, e.g., evidence of radio interference by another station located near enough to render a currently licensed frequency substantially unusable.
(b) (2) (iii)
(iii) The frequency 410 kHz may be used on a secondary basis for the transmission of radiodetermination information and for transmitting by radiotelegraph radiodetermination messages to direction-finding stations; and
(b) (2) (iv)
(iv) The frequency 512 kHz may be used as a supplementary calling frequency when 500 kHz is used for distress, urgency and safety communications. The use of the 512 kHz as a working frequency is prohibited in areas where 500 kHz is used for distress, urgency and safety communications.

s 80.359 Frequencies for digital selective calling (DSC).

(a)

(a) General purpose calling. The following table describes the calling frequencies for use by authorized ship and coast stations for general purpose DSC. There are three series of paried frequencies. One series is for worldwide use; the other two series are for regional use. The "Series A" designation includes coast stations along, and ship stations in, the Atlantic Ocean, the Gulf of Mexico, and the Caribbean Sea. The "Series B" designation includes stations in any remaining areas. Stations must initiate contact on the appropriate regional frequency depending upon the location of the called station and propagation conditions. Acknowledgement is made on the paired frequency. The worldwide frequencies may be used for international calling, if calls on the appropriate regional frequencies are unsuccessful, or the regional series does not contain the appropriate band (e.g., 2 MHz). During normal working hours, all public coast stations capable of DSC operations must monitor the worldwide and regional frequencies appropriate for its location. The specific frequencies to be monitored will vary with propagation conditions.

General Purpose DSC
[In kHz unless otherwise noted]

Worldwide		Series A		Series B	
Ship	Coast	Ship	Coast	Ship	Coast
458.5	455.5	.....	.....	.....	.....
2189.5	[FN1] 2177.0	.....	.....	.....	.....
4208.0	4219.5	4208.5	4220.0	4209.5	4220.5
6312.5	6331.0	6313.0	6331.5	6313.5	6332.0
8415.0	8436.5	8415.5	8437.0	8416.0	8437.5
12577.5	12657.0	12578.0	12657.5	12578.5	12658.0
16805.0	16903.0	16805.5	16903.5	16806.0	16904.0
18898.5	19703.5	18899.0	19704.0	18899.5	19704.5
22374.5	22444.0	22375.0	22444.5	22375.5	22445.0
25208.5	26121.0	25209.0	26121.5	25209.5	26122.0
[FN2] 156.525	[FN2] 156.525	.....	.....	.....	.....

[FN1] The frequency 2177.0 kHzs is also available to ship stations for intership calling and acknowledgement of such calls only.
[FN2] MHz.

(b)

(b) Distress and safety calling. The frequencies 2187.5 kHz, 4207.5 kHz, 6312.0 kHz, 8414.5 kHz, 12577.0 kHz, 16804.5 kHz, and 156.525 MHz may be used for DSC by coast and ship stations on a simplex basis for distress and safety purposes. The provisions and procedures for distress and safety calling are contained in CCIR Recommendation 541 as modified by s 80.103(c) of this part.

(c)

(c) Working frequencies. Coast and ship stations may use DSC techniques for general calling purposes on their assigned working frequencies in the 2000-27500 kHz band and on those frequencies in the 156-162 MHz band which are allocated for maritime control, commercial, non-commercial and public correspondence communications.

s 80.361 Frequencies for narrow-band direct-printing (NBDP), radioprinter, and data transmissions.

(a)
(a) Paired channels.
(a) (1)
(1) The following frequencies are available for assignment to public coast stations for narrow-band direct-printing (NBDP) and data transmissions. The paired ship frequencies are available for use by authorized ship stations for NBDP and data transmissions.

[Note: The following TABLE/FORM is too wide to be displayed on one screen. You must print it for a meaningful review of its contents. The table has been divided into multiple pieces with each piece containing information to help you assemble a printout of the table. The information for each piece includes: (1) a three line message preceding the tabular data showing by line # and character # the position of the upper left-hand corner of the piece and the position of the piece within the entire table; and (2) a numeric scale following the tabular data displaying the character positions.]

****
******** This is piece 1. -- It begins at character 1 of table line 1. ********
****

Ch. no.	Paired frequencies for NBDP and data transmissions (kHz)							
	4 MHz		6 MHz		8 MHz		12 MHz	
	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship
1	4210.5	4172.5	6314.5	6263.0			12579.5	12477.0
2	4211.0	4173.0	6315.0	6263.5	8417.0	8377.0	12580.0	12477.5
3	4211.5	4173.5	6315.5	6264.0	8417.5	8377.5	12580.5	12478.0
4	4212.0	4174.0	6316.0	6264.5	8418.0	8378.0	12581.0	12478.5
5	4212.5	4174.5	6316.5	6265.0	8418.5	8378.5	12581.5	12479.0
6	4213.0	4175.0	6317.0	6265.5	8419.0	8379.0	12582.0	12479.5
7	4213.5	4175.5	6317.5	6266.0	8419.5	8379.5	12582.5	12480.0
8	4214.0	4176.0	6318.0	6266.5	8420.0	8380.0	12583.0	12480.5
9	4214.5	4176.5	6318.5	6267.0	8420.5	8380.5	12583.5	12481.0
10	4215.0	4177.0	6319.0	6267.5	8421.0	8381.0	12584.0	12481.5
11					8421.5	8381.5	12584.5	12482.0
12	4215.5	4178.0	6319.5	6268.5	8422.0	8382.0	12585.0	12482.5
13	4216.0	4178.5	6320.0	6269.0	8422.5	8382.5	12585.5	12483.0
14	4216.5	4179.0	6320.5	6269.5	8423.0	8383.0	12586.0	12483.5
15	4217.0	4179.5	6321.0	6270.0	8423.5	8383.5	12586.5	12484.0
16	4217.5	4180.0	6321.5	6270.5	8424.0	8384.0	12587.0	12484.5
17	4218.0	4180.5	6322.0	6271.0	8424.5	8384.5	12587.5	12485.0
18			6322.5	6271.5	8425.0	8385.0	12588.0	12485.5
19			6323.0	6272.0	8425.5	8385.5	12588.5	12486.0
20			6323.5	6272.5	8426.0	8386.0	12589.0	12486.5
21			6324.0	6273.0	8426.5	8386.5	12589.5	12487.0
22			6324.5	6273.5	8427.0	8387.0	12590.0	12487.5
23			6325.0	6274.0	8427.5	8387.5	12590.5	12488.0

24	6325.5	6274.5	8428.0	8388.0	12591.0	12488.5
25	6326.0	6275.0	8428.5	8388.5	12591.5	12489.0
26	6326.5	6275.5	8429.0	8389.0	12592.0	12489.5
27	6327.0	6281.0	8429.5	8389.5	12592.5	12490.0
28	6327.5	6281.5	8430.0	8390.0	12593.0	12490.5
29	6328.0	6282.0	8430.5	8390.5	12593.5	12491.0
30			8431.0	8391.0	12594.0	12491.5
31			8431.5	8391.5	12594.5	12492.0
32			8432.0	8392.0	12595.0	12492.5
33			8432.5	8392.5	12595.5	12493.0
34			8433.0	8393.0	12596.0	12493.5
35					12596.5	12494.0
36					12597.0	12494.5
37					12597.5	12495.0
38					12598.0	12495.5
39					12598.5	12496.0
40					12599.0	12496.5
41					12599.5	12497.0
42					12600.0	12497.5
43					12600.5	12498.0
44					12601.0	12498.5
45					12601.5	12499.0
46					12602.0	12499.5
47					12602.5	12500.0
48					12603.0	12500.5
49					12603.5	12501.0
50					12604.0	12501.5
51					12604.5	12502.0
52					12605.0	12502.5
53					12605.5	12503.0
54					12606.0	12503.5
55					12606.5	12504.0
56					12607.0	12504.5
57					12607.5	12505.0
58					12608.0	12505.5
59					12608.5	12506.0
60					12609.0	12506.5
61					12609.5	12507.0
62					12610.0	12507.5
63					12610.5	12508.0
64					12611.0	12508.5
65					12611.5	12509.0
66					12612.0	12509.5
67					12612.5	12510.0
68					12613.0	12510.5
69					12613.5	12511.0
70					12614.0	12511.5
71					12614.5	12512.0
72					12615.0	12512.5
73					12615.5	12513.0
74					12616.0	12513.5
75					12616.5	12514.0
76					12617.0	12514.5
77					12617.5	12515.0

78	12618.0	12515.5
79	12618.5	12516.0
80	12619.0	12516.5
81	12619.5	12517.0
82	12620.0	12517.5
83	12620.5	12518.0
84	12621.0	12518.5
85	12621.5	12519.0
86	12622.0	12519.5
87		
88	12622.5	12520.5
89	12623.0	12521.0
90	12623.5	12521.5
91	12624.0	12522.0
92	12624.5	12522.5
93	12625.0	12523.0
94	12625.5	12523.5
95	12626.0	12524.0
96	12626.5	12524.5
97	12627.0	12525.0
98	12627.5	12525.5
99	12628.0	12526.0
100	12628.5	12526.5
101	12629.0	12527.0
102	12629.5	12527.5
103	12630.0	12528.0
104	12630.5	12528.5
105	12631.0	12529.0
106	12631.5	12529.5
107	12632.0	12530.0
108		
109		
110		
111		
112		
113		
114		
115		
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118		
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132 .....

1...+...10....+...20....+...30....+...40....+...50....+...60....+...70....+..

****
******* This is piece 2. -- It begins at character 78 of table line 1. ********
****

---

16 MHz		18/19 MHz		22 MHz		25/26 MHz	
Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship
16807.0	16683.5	19681.0	18870.5	22376.5	22284.5	26101.0	25173.0
16807.5	16684.0	19681.5	18871.0	22377.0	22285.0	26101.5	25173.5
16808.0	16684.5	19682.0	18871.5	22377.5	22285.5	26102.0	25174.0
16808.5	16685.0	19682.5	18872.0	22378.0	22286.0	26102.5	25174.5
16809.0	16685.5	19683.0	18872.5	22378.5	22286.5	26103.0	25175.0
16809.5	16686.0	19683.5	18873.0	22379.0	22287.0	26103.5	25175.5
16810.0	16686.5	19684.0	18873.5	22379.5	22287.5	26104.0	25176.0
16810.5	16687.0	19684.5	18874.0	22380.0	22288.0	26104.5	25176.5
16811.0	16687.5	19685.0	18874.5	22380.5	22288.5	26105.0	25177.0
16811.5	16688.0	19685.5	18875.0	22381.0	22289.0	26105.5	25177.5
16812.0	16688.5	19686.0	18875.5	22381.5	22289.5	26106.0	25178.0
16812.5	16689.0	19686.5	18876.0	22382.0	22290.0	26106.5	25178.5
16813.0	16689.5	19687.0	18876.5	22382.5	22290.5	26107.0	25179.0
16813.5	16690.0	19687.5	18877.0	22383.0	22291.0	26107.5	25179.5
16814.0	16690.5	19688.0	18877.5	22383.5	22291.5	26108.0	25180.0
16814.5	16691.0	19688.5	18878.0	22384.0	22292.0	26108.5	25180.5
16815.0	16691.5	19689.0	18878.5	22384.5	22292.5	26109.0	25181.0
16815.5	16992.0	19689.5	18879.0	22385.0	22293.0	26109.5	25181.5
16816.0	16692.5	19690.0	18879.5	22385.5	22293.5	26110.0	25182.0
16816.5	16693.0	19690.5	18880.0	22386.0	22294.0	26110.5	25182.5
16817.0	16693.5	19691.0	18880.5	22386.5	22294.5		
16817.5	16694.0	19691.5	18881.0	22387.0	22295.0		
16818.0	16694.5			22387.5	22295.5		
-------	-------	------	-------	22388.0	22296.0		
16818.5	16695.5	------	-------	22388.5	22296.5		
16819.0	16696.0	------	-------	22389.0	22297.0		
16819.5	16696.5	------	-------	22389.5	22297.5		
16820.0	16697.0	------	-------	22390.0	22298.0		
16820.5	16697.5	------	--------	22390.5	22298.5		
16821.0	16698.0	-------	--------	22391.0	22299.0		
16821.5	16698.5			22391.5	22299.5		
16822.0	16699.0			22392.0	22300.0		
16822.5	16699.5			22392.5	22300.5		
16823.0	16700.0			22393.0	22301.0		
16823.5	16700.5			22393.5	22301.5		
16824.0	16701.0			22394.0	22302.0		
16824.5	16701.5			22394.5	22302.5		
16825.0	16702.0			22395.0	22303.0		
16825.5	16702.5			22395.5	22303.5		

16826.0	16703.0		22396.0	22304.0
16826.5	16703.5		22396.5	22304.5
16827.0	16704.0		22397.0	22305.0
16827.5	16704.5		22397.5	22305.5
16828.0	16705.0		22398.0	22306.0
16828.5	16705.5		22398.5	22306.5
16829.0	16706.0		22399.0	22307.0
16829.5	16706.5		22399.5	22307.5
16830.0	16707.0		22400.0	22308.0
16830.5	16707.5		22400.5	22308.5
16831.0	16708.0		22401.0	22309.0
16831.5	16708.5		22401.5	22309.5
16832.0	16709.0		22402.0	22310.0
16832.5	16709.5		22402.5	22310.5
16833.0	16710.0		22403.0	22311.0
16833.5	16710.5		22403.5	22311.5
16834.0	16711.0		22404.0	22312.0
16834.5	16711.5		22404.5	22312.5
16835.0	16712.0		22405.0	22313.0
16835.5	16712.5		22405.5	22313.5
16836.0	16713.0		22406.0	22314.0
16836.5	16713.5		22406.5	22314.5
16837.0	16714.0		22407.0	22315.0
16837.5	16714.5		22407.5	22315.5
16838.0	16715.0		22408.0	22316.0
16838.5	16715.5		22408.5	22316.5
16839.0	16716.0		22409.0	22317.0
16839.5	16716.5		22409.5	22317.5
16400.0	16717.0		22410.0	22318.0
16400.5	16717.5	------	22410.5	22318.5
16411.0	16718.0		22411.0	22319.0
16841.5	16718.5		22411.5	22319.5
16842.0	16719.0		22412.0	22320.0
16842.5	16719.5		22412.5	22320.5
16843.0	16720.0		22413.0	22321.0
16843.5	16720.5		22413.5	22321.5
16844.0	16721.0		22414.0	22322.0
16844.5	16721.5		22414.5	22322.5
16845.0	16722.0		22415.0	22323.0
16845.5	16722.5		22415.5	22323.5
16846.0	16723.0		22416.0	22324.0
16846.5	16723.5		22416.5	22324.5
16847.0	16724.0		22417.0	22325.0
16847.5	16724.5		22417.5	22325.5
16848.0	16725.0		22418.0	22326.0
16848.5	16725.5		22418.5	22326.5
16849.0	16726.0		22419.0	22327.0
16849.5	16726.5		22419.5	22327.5
16850.0	16727.0		22420.0	22328.0
16850.5	16727.5		22420.5	22328.5
16851.0	16728.0		22421.0	22329.0
16851.5	16728.5		22421.5	22329.5
16852.0	16729.0		22422.0	22330.0
16852.5	16729.5		22422.5	22330.5

16853.0	16730.0	22423.0	22331.0
16853.5	16730.5	22423.5	22331.5
16854.0	16731.0	22424.0	22332.0
16854.5	16731.5	22424.5	22332.5
16855.0	16732.0	22425.0	22333.0
16855.5	16732.5	22425.5	22333.5
16856.0	16733.0	22426.0	22334.0
16856.5	16733.5	22426.5	22334.5
16857.0	16739.0		
16857.5	16739.5		
16858.0	16740.0		
16858.5	16740.5		
16859.0	16741.0		
16859.5	16741.5		
. 16860.0	16742.0		
. 16860.5	16742.5		
. 16861.0	16743.0		
. 16861.5	16743.5		
. 16862.0	16744.0		
. 16862.5	16744.5		
. 16863.0	16745.0		
. 16863.5	16745.5		
. 16864.0	16746.0		
. 16864.5	16746.5		
. 16865.0	16747.0		
. 16865.5	16747.5		
. 16866.0	16748.0		
. 16866.5	16748.5		
. 16867.0	16749.0		
. 16867.5	16749.5		
. 16868.0	16750.0		
. 16868.5	16750.5		
. 16869.0	16751.0		
. 16869.5	16751.5		
. 16870.0	16752.0		
. 16870.5	16752.5		
. 16871.0	16753.0		
. 16871.5	16753.5		
. 16872.0	16754.0		

78.....+...90....+....0....+...10....+...20....+...30....+...40....+...50...

(a) (2)

(2) Applicants for these frequencies must submit a substantial showing of need based on the following factors:

(a) (2) (i)

(i) A schedule of each currently licensed NBDP frequency and the expected use of the proposed frequencies;

(a) (2) (ii)

(ii) For additional frequencies within the same MHz band, a factual showing of the 3 busiest hours of any 4 days within a consecutive 10 day period for each of

the 2 months immediately preceding the filing of the application indicating that the applicant has used its currently assigned frequencies within the same MHz band an aggregate average of at least 40% of the 3 busiest hours of each day for exchanging communications; and

(a) (2) (iii)

(iii) Any other facts that support the need for the proposed assignment, e.g., evidence of radio interference by another station located near enough to render a currently licensed frequency substantially unusable.

(b)

(b) Non-paired channels. The following table describes the frequencies and Channel Series with F1B or J2B emission which are assignable to ship stations for NB-DP and data transmissions with other ship stations and public coast stations. Public coast stations may receive only on these frequencies.

Non-Paired NBDP Channels (kHz)

Channel series:								
1	4202.5	6300.5	8396.5	12560.0	16785.0	18893.0	22352.0	25193.0
2	4203.0	6301.0	8397.0	12560.5	16785.5	18893.5	22352.5	25193.5
3	4203.5	6301.5	8397.5	12561.0	16786.0	18894.0	22353.0	25194.0
4	4204.0	6302.0	8398.0	12561.5	16786.5	18894.5	22353.5	25194.5
5	4204.5	6302.5	8398.5	12562.0	16787.0	18895.0	22354.0	25195.0
6	4205.0	6303.0	8399.0	12562.5	16787.5	18895.5	22354.5	25195.5
7	4205.5	6303.5	8399.5	12563.0	16788.0	18896.0	22355.0	25196.0
8	4206.0	6304.0	8400.0	12563.5	16788.5	18896.5	22355.5	25196.5
9	4206.5	6304.5	8400.5	12564.0	16789.0	18897.0	22356.0	25197.0
10	4207.0	6305.0	8401.0	12564.5	16789.5	18897.5	22356.5	25197.5
11	.....	6305.5	8401.5	12565.0	16790.0	18898.0	22357.0	25198.0
12	.....	6306.0	8402.0	12565.5	16790.5	.....	22357.5	25198.5
13	.....	6306.5	8402.5	12566.0	16791.0	.....	22358.0	25199.0
14	.....	6307.0	8403.0	12566.5	16791.5	.....	22358.5	25199.5
15	.....	6307.5	8403.5	12567.0	16792.0	.....	22359.0	25200.0
16	.....	6308.0	8404.0	12567.5	16792.5	.....	22359.5	25200.5
17	.....	6308.5	8404.5	12568.0	16793.0	.....	22360.0	25201.0
18	.....	6309.0	8405.0	12568.5	16793.5	.....	22360.5	25201.5
19	.....	6309.5	8405.5	12569.0	16794.0	.....	22361.0	25202.0
20	.....	6310.0	8406.0	12569.5	16794.5	.....	22361.5	25202.5
21	.....	6310.5	8406.5	12570.0	16795.0	.....	22362.0	25203.0
22	.....	6311.0	8407.0	12570.5	16795.5	.....	22362.5	25203.5
23	.....	6311.5	8407.5	12571.0	16796.0	.....	22363.0	25204.0
24	.....	.....	8408.0	12571.5	16796.5	.....	22363.5	25204.5
25	.....	.....	8408.5	12572.0	16797.0	.....	22364.0	25205.0
26	.....	.....	8409.0	12572.5	16797.5	.....	22364.5	25205.5
27	.....	.....	8409.5	12573.0	16798.0	.....	22365.0	25206.0
28	.....	.....	8410.0	12573.5	16798.5	.....	22365.5	25206.5
29	.....	.....	8410.5	12574.0	16799.0	.....	22366.0	25207.0
30	.....	.....	8411.0	12574.5	16799.5	.....	22366.5	25207.5
31	.....	.....	8411.5	12575.0	16800.0	.....	22367.0	25208.0
32	.....	.....	8412.0	12575.5	16800.5	.....	22367.5	.....
33	.....	.....	8412.5	12576.0	16801.0	.....	22368.0	.....
34	.....	.....	8413.0	12576.5	16801.5	.....	22368.5	.....
35	.....	.....	8413.5	.....	16802.0	.....	22369.0	.....
36	.....	.....	8414.0	.....	16802.5	.....	22369.5	.....
37	.....	.....	.....	.....	16803.0	.....	22370.0	.....
38	.....	.....	.....	.....	16803.5	.....	22370.5	.....
39	.....	.....	.....	.....	16804.0	.....	22371.0	.....
40	.....	.....	.....	.....	.....	.....	22371.5	.....

41	22372.0
42	22372.5
43	22373.0
44	22373.5
45	22374.0

(c)

(c) Distress and calling. The frequencies 2174.5 kHz, 4177.5 kHz, 6268.0 kHz, 8376.5 kHz, 12520.0 kHz, and 16695.0 kHz may be used for NBDP and data transmissions by coast and ship stations on a simplex basis for distress and safety purposes.

(d)

(d) The frequencies in the 156-162 MHz band available for assignment to public coast stations that are contained in s 80.371(c) of this part are also available for radioprinter and data communications between ship and coast stations using F1B, F2B, F1D, or F2D
emission.

s 80.363 Frequencies for facsimile.

(a)

(a) The non-paired frequencies with F1C, F3C, J2C or J3C emission which are assignable to ship and public coast stations for facsimile are as follows:

(a) (1)

(1) Ship station frequencies. The following frequencies are available for use by authorized ship stations for facsimile.

Assignable Ship Frequencies For Facsimile (kHz)

2070.5	4154.5	6235.5	8302.5	12370.5	165 51.5	18847.5	22181.5	25123.5
2072.5	4169.5	6259.5	8338.5	12418.5	166 14.5	18868.5	22238.5	25159.5
2074.5	-----	-----	-----	------	-------	------	------	------
2076.5	-----	-----	-----	------	-------	------	------	------

(a) (2)

(2) Coast station frequencies. The following table describes the exclusive maritime mobile HF frequency bands that are available for assignment to coast stations using 3 kHz channels for facsimile. However, any frequency in the 2000-27500 kHz bands listed in Part 2 of the Commission's Rules as available for shared use by the maritime mobile service and other radio services, except for the 4000-4063 kHz and the 8100-8195 kHz bands, is available for assignment to coast stations for facsimile. Frequency assignments are subject to coordination with government users.

Frequency Bands for Coast Facsimile (kHz)

4221.0- 4351.0	16904.5-17242.0
6332.5- 6501.0	19705.0-19755.0
8438.0- 8707.0	22445.5-22696.0
12658.5-13077.0	26122.5-26145.0

(b)
(b) The frequencies in the 156-162 MHz band available for assignment to public coast stations that are contained in s 80.371(c) of this part are also available for facsimile communications between ship and coast stations using F2C or F3C emission.
(c)
(c) The frequency 156.425 MHz is assigned by rule to private coast stations and ship stations in Alaska for ship-to-shore and ship-to-ship facsimile transmissions using F2C or F3C emissions.

s 80.365 Scope.

The following sections describe the carrier frequencies and general conditions of use for the following types of radiotelephony:

_distress, urgency, safety, call and reply.

[_Working.

_Public

_Private]

_____du.

s 80.367 General uses--radiotelephony.

(a)
(a) Ship stations communicating with foreign coast stations may operate on any frequency designated by that coast station.
(b)
(b) Radiotelephony stations communicating with a Government station may transmit on a Government frequency when authorized to do so by the Government station or agency if the emission, bandwidth and frequency tolerance of the maritime station are within the same limits as the Government station.
(c)
(c) Frequencies assigned to Government radio stations are assignable to non-Government maritime stations for radiotelephony communications with other non-Government stations in connection with activities performed in coordination with or on behalf of the Government.
(d)
(d) Frequencies in the 2000-27500 kHz band will be authorized only to ship stations that in addition are authorized to use frequencies in the 156-162 MHz band.
(e)
(e) Frequencies in the 2000-2850 kHz band will be authorized to private coast stations that in addition are authorized to use frequencies in the 156-162 MHz band.
(f)

(f) Ship and coast stations authorized to use frequencies in both the 2000-27500 kHz and 156-162 MHz bands must not use frequencies in the 2000-27500 kHz band for communications with any other station which is within the VHF service range.

(g)

(g) Coast and ship station radiotelephone working frequencies are available for DSC general purpose calling under the provisions of Section s 80.207(a).

(h)

(h) Digital selective calling techniques are not authorized on the frequencies 2182 kHz or 156.800 MHz.

s 80.369 Distress, urgency, safety, call and reply frequencies.

This section describes the general uses and frequencies assignable to maritime stations for distress, urgency, safety, call and reply radiotelephony communications.

(a)

(a) In the 1605-3500 kHz band, the frequency 2182 is an international radiotelephony distress, urgency and safety frequency for ship stations, public and private coast stations, and survival craft stations. It is also used for call and reply by ship stations on a primary basis and by public coast stations on a secondary basis. The carrier frequency 2191 kHz may be used as a supplementary calling frequency in areas of heavy usage of 2182 kHz. All stations must use J3E emission when operating on 2182 and 2191 kHz, except that:

(a) (1)

(1) H3E emission may be used on 2182 kHz for communications with foreign coast and ship stations; or,

(a) (2)

(2) A3E emission may be used on 2182 kHz by portable survival craft stations, or transmitters authorized for use prior to January 1, 1972. See s 80.203(c).

(b)

(b) The frequencies 4125.0 kHz, 6215 kHz, 8291 kHz, 12290 kHz, and 16420 kHz may be used by coast and ship stations on a simplex basis for distress and safety communications. The frequency 4125.0 kHz may also be used for distress and safety communications between aircraft and maritime mobile stations.

(c)

(c) The frequency 5167.5 kHz is available to any station for emergency communications in the State of Alaska. Peak envelope power of stations operating on this frequency must not exceed 150 watts. This frequency may also be used by Alaska private fixed stations for calling and listening, but only for establishing communication.

(d)

(d) In the 4000-27500 kHz band, the following coast frequencies are available for assignment to public coast stations for call and reply communications. The paired ship frequencies are available for use by authorized ship stations.

Call and Reply Frequency Pairs in the 4000-27500 kHz

Carrier Frequencies (kHz)		
Channel No.	Ship transmit	Coast transmit
421	[FN1] [FN2] [FN3] 4125	[FN1] 4417
606	[FN2] [FN3] 6215	[FN1] 6516
821	8255	8779

1221	[FN3]	12290	13137
1621	[FN3]	16420	17302
1806		18795	19770
2221		22060	22756
2510		25097	26172

[FN1] The frequencies 4125 kHz, 4417 kHz, and 6516 kHz are also available on a simplex basis for private communications, see s 80.373(c) of this part.

[FN2] The frequencies of 4125 kHz and 6215 kHz are also available on a simplex basis to ship and coast stations for call and reply, provided that the peak envelope power does not exceed 1 kW.

[FN3] The frequencies 4125 kHz, 6215 kHz, 8291 kHz, 12290 kHz, and 16420 kHz are also available on a simplex basis for distress and safety traffic, see paragraph (b) of this section.

(e)

(e) In the 120-156 MHz band the following frequencies are used as indicated:

(e) (1)

(1) The frequencies 121.500 MHz and 123.100 MHz using A3E emission are available for scene of action search and rescue operations to ship, coast and aircraft stations. Communications in support of search and rescue operations must employ the frequency 121.500 MHz only when communications on 123.100 MHz or other VHF frequencies is not practicable. Ship, coast and aircraft stations engaged in such communications on 121.500 MHz must shift to 123.100 MHz as soon as possible.

(e) (2)

(2) The frequency 156.525 MHz is available for intership, ship and coast general purpose, distress and safety DSC calls.

(e) (3)

(3) The frequency 156.800 MHz is the international radiotelephone distress, urgency, safety, call and reply frequency for ship, public and private coast stations. Stations operating on 156.800 MHz must be able to transmit and receive using G3E emission.

(e) (4)

(4) The frequency 156.450 MHz (channel 9) is available for intership, ship and coast station general purpose calling by noncommercial vessels, such as recreational boats. Distress, urgency and safety calls should initially be made on 156.800 MHz (channel 16) or, if equipped with DSC, on 156.525 MHz (channel 70).

s 80.371 Public correspondence frequencies.

This section describes the radiotelephony working frequencies assignable to ship and public coast stations.

(a)

(a) Working frequencies in the 2000-4000 kHz band. The following table describes the working carrier frequency pairs in the 2000-4000 kHz band.

Working frequency pairs in the 2000-4000 kHz band

Region	Carrier frequency (kHz)	
	Ship transmit	Coast transmit

East Coast:	2031.5	2490.0
	2118.0	[FN1]2514.0
	2126.0	2522.0
	2142.0	2538.0
	2166.0	2558.0
	2198.0	2590.0
	2366.0	2450.0
	2382.0	2482.0
	2390.0	2566.0
	2400.0	2400.0
	2406.0	2442.0
	2406.0	2506.0
West Coat:	2003.0	2450.0
	2009.0	2442.0
	2009.0	2566.0
	2031.5	2566.0
	2126.0	2522.0
	2206.0	2598.0
	2382.0	2466.0
	2406.0	2506.0
	2430.0	2482.0
Gulf Coast:	2009.0	2466.0
	2134.0	2530.0
	2142.0	2538.0
	[FN1]2158.0	[FN1]2550.0
	2166.0	2558.0
	2206.0	2598.0
	2366.0	2450.0
	2382.0	2482.0
	2430.0	2572.0
	2458.0	2506.0
Great Lakes [FN2]:	2118.0	2514.0
	2158.0	2550.0
	2206.0	2582.0
Alaska:	2131.0	2309.0
	2134.0	2312.0
	2237.0	2397.0
	2240.0	2400.0
Hawaii	2134.0	2530.0
Caribbean:	2009.0	2506.0
	[FN3]2086.0	2585.0
	2134.0	2530.0
Guam	2009.0	2506.0

FN1 Unlimited hours of use from December 15 to April 1 and day only from April 1 to December 15. Harmful interference must not be caused to any ship station in the Great Lakes region.

FN2 In the Great Lakes region 2206 kHz is not available for transmission to U.S. ships except in the case of distress. U.S. coast stations in the Great Lakes area may use 2514, 2550 and 2582 kHz on a shared basis with coast stations of Canada. Except in the case of distress, the frequency 2550 kHz must not be used for transmission to ship stations of Canada since the associated ship station transmit frequency 2158 kHz is not available to

Canadian ship stations for transmission and 2582 kHz must not be used for public correspondence transmissions to U.S. ship stations since the associated ship transmit frequency 2206 kHz is not available to U.S. ship stations for transmissions except in the case of distress.

FN3 Limited to a peak envelope power of 150 watts.

(b)

(b) Working frequencies in the 4000-25700 kHz band. This paragraph describes the working carrier frequencies in the 4000-27500 kHz band.

(b) (1)

(1) The following table specifies the carrier frequencies available for assignment to public coast stations. The paired ship frequencies are available for use by authorized ship stations.

Table A.--Public Correspondence (Duplex Channels)
[Working carrier frequency pairs in the 4000-27500 kHz band]

Region	Channel No.	Carrier frequencies (kHz) Ship transmit	Coast transmit
East Coast	403	4071.0	4363.0
	410	4092.0	4384.0
	411	4095.0	4387.0
	412	4098.0	4390.0
	416	4110.0	4402.0
	417	4113.0	4405.0
	422	4128.0	4420.0
	423	4131.0	4423.0
	802	8198.0	8722.0
	805	8207.0	8731.0
	808	8216.0	8740.0
	810	8222.0	8746.0
	811	8225.0	8749.0
	814	8234.0	8758.0
	815	8237.0	8761.0
	825	8267.0	8791.0
	826	8270.0	8794.0
	831	8285.0	8809.0
	1203	12236.0	13083.0
	1206	12245.0	13092.0
	1208	12251.0	13098.0
	1209	12254.0	13101.0
	1210	12257.0	13104.0
	1211	12260.0	13107.0
	1215	12272.0	13119.0
	1222	12293.0	13140.0
	1223	12296.0	13143.0
	1228	12311.0	13158.0
	1230	12317.0	13164.0
	1601	16360.0	17242.0
	1605	16372.0	17254.0
	1609	16384.0	17266.0

	1610	16387.0	17269.0
	1611	16390.0	17272.0
	1616	16405.0	17287.0
	1620	16417.0	17299.0
	1626	16435.0	17317.0
	1631	16450.0	17332.0
	2201	22000.0	22696.0
	2205	22012.0	22708.0
	2210	22027.0	22723.0
	2215	22042.0	22738.0
	2216	22045.0	22741.0
	2222	22063.0	22759.0
	2236	22105.0	22801.0
West Coast	401	4065.0	4357.0
	416	4110.0	4402.0
	417	4113.0	4405.0
	804	8204.0	8728.0
	809	8219.0	8743.0
	814	8234.0	8758.0
	1201	12230.0	13077.0
	1202	12233.0	13080.0
	1203	12236.0	13083.0
	1229	12314.0	13161.0
	1230	12317.0	13164.0
	1602	16363.0	17245.0
	1603	16366.0	17248.0
	1624	16429.0	17311.0
	2214	22039.0	22735.0
	2223	22066.0	22762.0
	2228	22081.0	22777.0
	2236	22105.0	22801.0
Gulf Coast	404	4074.0	4366.0
	405	4077.0	4369.0
	414	4104.0	4396.0
	419	4119.0	4411.0
	824	8264.0	8788.0
	829	8279.0	8803.0
	830	8282.0	8806.0
	1212	12263.0	13110.0
	1225	12302.0	13149.0
	1226	12305.0	13152.0
	1607	16378.0	17260.0
	1632	16453.0	17335.0
	1641	16480.0	17362.0
	2227	22078.0	22774.0
	2231	22090.0	22786.0
	2237	22108.0	22804.0
Great Lakes	405	4077.0	4369.0
	409	4089.0	4381.0
	418	4116.0	4408.0
	826	8270.0	8794.0
Hawaii	418	4116.0	4408.0
	808	8216.0	8740.0
	1222	12293.0	13140.0
	1601	16360.0	17242.0
Caribbean	604	6209.0	6510.0
	605	6212.0	6513.0

1602	16363.0	17245.0
1603	16366.0	17248.0
2223	22066.0	22762.0

(b) (2)

(2) The following table specifies the additional carrier frequencies available for assignment to public coast stations for public correspondence. The paired ship frequencies are available for use by authorized ship stations. The specific frequency assignment available to public coast stations for a particular geographic area is indicated by an "x" under the appropriate column. Table B is based on the initial Appendix 25 Allotment Arrangement published by the International Frequency Registration Board (IFRB) (see IFRB Circular-letter No. 836, dated September 28, 1990). The allotment areas are in accordance with the "Standard Defined Areas" as identified in the Appendix 25 Planning System and indicated in the Preface to the International Frequency List (IFL) (see IFRB Circular-letter No. 843, dated October 31, 1990).

Table B.--Public Correspondence (Additional Duplex Channels)
[Working carrier frequency pairs in th 4000-27500 kHz band]

Channel	Ship transmit	Coast transmit	USA-E	USA-W	USA-S	USA-C	VIR	HWA	ALS	PTR	GUM
	Carrier frequencies (kHz)										
427	4143.0	4435.0	x	x	x	x	x	x	x	--	x
428	4060.0	4351.0	x	x	x	x	x	x	x	x	x
607	6218.0	6519.0	x	x	x	x	x	x	x	x	x
836	8113.0	8713.0	x	x	x	x	x	x	x	x	x
837	8128.0	8716.0	x	x	x	x	x	x	x	x	x
1233	12326.0	13173.0	x	x	x	x	x	x	x	x	x
1234	12329.0	13176.0	--	x	x	--	--	x	x	--	x
1235	12332.0	13179.0	x	x	x	x	x	x	x	x	x
1236	12335.0	13182.0	--	x	x	--	--	x	--	--	--
1237	12338.0	13185.0	x	--	x	x	x	--	--	x	--
1642	16483.0	17365.0	x	x	x	x	x	x	x	x	x
1643	16486.0	17368.0	x	x	x	x	x	x	x	x	x
1644	16489.0	17371.0	x	x	x	x	--	x	x	--	x
1645	16492.0	17374.0	x	x	x	x	x	x	x	x	x
1646	16495.0	17377.0	--	x	--	--	--	--	--	--	--
1647	16498.0	17380.0	x	x	x	x	--	x	x	--	x
1648	16501.0	17383.0	--	x	--	x	x	x	x	x	x
1801	18780.0	19755.0	x	x	x	x	x	x	x	x	x
1802	18783.0	19758.0	x	--	x	x	x	--	--	x	--
1803	18786.0	19761.0	x	x	--	x	x	x	x	x	x
1804	18789.0	19764.0	--	x	x	--	--	x	x	--	--
1805	18792.0	19767.0	--	x	--	--	--	x	x	--	--
1807	18798.0	19773.0	x	x	x	x	x	x	x	x	x
1808	18801.0	19776.0	x	x	x	x	x	x	x	x	x
2241	22120.0	22816.0	x	x	x	x	x	x	x	x	x
2242	22123.0	22819.0	x	x	x	x	x	x	x	x	x
2243	22126.0	22822.0	x	x	x	x	x	x	x	x	--
2244	22129.0	22825.0	--	x	--	--	--	x	x	--	--
2245	22132.0	22828.0	--	x	x	--	--	x	x	--	--

2246	22135.0	22831.0	x	x	x	x	--	x	x	--	x
2247	22138.0	22834.0	x	x	x	x	x	x	x	--	x
2501	25070.0	26145.0	x	x	x	x	--	x	x	--	x
2502	25073.0	26148.0	x	x	x	x	x	x	x	x	--
2503	25076.0	26151.0	x	x	x	x	x	x	x	--	--
2504	25079.0	26154.0	x	x	x	x	x	x	x	x	x

(b) (3)

(3) The following table specifies the non-paired carrier frequencies that are available for assignment to public coast stations for simplex operations subject to the provision of paragraph (b)(4) of this section. These frequencies are available for use by authorized ship stations for transmissions to coast stations (simplex operations). Assignments on these frequencies must accept interference. They are shared with government users and are considered "common use" frequencies under the international Radio Regulations. They cannot be notified for inclusion in the Master International Frequency Register, which provides stations with interference protection, but may be listed in the international List of Coast Stations. (See Radio Regulation No. 1220 and Recommendation 304.)

Public Correspondence (Simplex)
[Non-paired radiotelephony frequencies in the 4000-27500 kHz Band [FN1] Carrier Frequencies (kHz)]

16537	18825	22174	25100
16540	18828	22177	25103
	18831	.....	25106
	18834	.....	25109
	18837	.....	25112

FN1 Coast stations limited to a maximum transmitter power of 1 kW (PEP).

(b) (4)

(4) Applicants for these public coast frequencies specified in this section must submit a substantial showing of need based on the following factors:

(b) (4) (i)

(i) A schedule of each currently licensed working frequency in the 4000-27500 kHz band and the expected use of the proposed frequencies;

(b) (4) (ii)

(ii) For additional frequencies within the same MHz band, a factual showing of the 3 busiest hours of any 4 days within a consecutive 10 day period for each of the 2 months immediately preceding the filing of the application indicating that the applicant has used its currently assigned frequencies within the same MHz band an aggregate average of at least 40% of the 3 busiest hours of each day for exchanging communications;

(b) (4) (iii)

(iii) Any other facts that support the need for the proposed assignment, e.g., evidence of radio interference by another station located near enough to render a currently licensed frequency substantially unusable; and

(b) (4) (iv)

(iv) For simplex frequencies listed in paragraph (b)(3) of this section, an additional showing supporting the use of simplex rather than duplex frequencies for the proposed situation.

(c)

(c) Working frequencies in the marine VHF 156-162 MHz band.

(c) (1) (i)

(1)(i) The frequency pairs listed in the table in paragraph (c)(1)(ii) are available for assignment to public coast stations for public correspondence communications with ship stations and units on land.

Working Carrier Frequency Pairs in the 156-162 MHz Band [FN1]

Channel designator	Carrier frequency (MHz)	
	Ship transmit	Coast transmit
24	157.200	161.800
84	157.225	161.825
25	157.250	161.850
85 [FN2]	157.275	161.875
26	157.300	161.900
86	157.325	161.925
27	157.350	161.950
87	157.375	161.975
28	157.400	162.000
88 [FN3]	157.425	162.025

FN1 For special assignment of frequencies in this band in certain areas of Washington State, the Great Lakes and the east coast of the United States pursuant to arrangements between the United States and Canada, see subpart B of this part.

FN2 The frequency pair 157.275/161.875 MHz is available on a primary basis to ship and public coast stations. In Alaska it is also available on a secondary basis to private mobile repeater stations.

FN3 Within 120 km (75 miles) of the United States/Canada border, in the area of the Puget Sound and the Strait of Juan de Fuca and its approaches, the frequency 157.425 MHz is available for use by ship stations for public correspondence communications only. One hundred twenty kilometers (75 miles) from the United States/Canada border 157.425 MHz is available for intership and commercial communications. Outside the Puget Sound area and its approaches and the Great Lakes, 157.425 MHz is available for communications between commercial fishing vessels and associated aircraft while engaged in commercial fishing activities.

(c) (1) (ii)

(ii) Service areas in the marine VHF 156-162 MHz band are VHF Public Coast Station Areas (VPCSAs). As listed in the table in this paragraph, VPCSAs 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 Guam and the Northern Mariana Islands, Puerto Rico and the United States Virgin Islands, American Samoa, and the Gulf of Mexico as EA-like areas, and has assigned them EA numbers 173-176, respectively. Maps of the EAs and VPCSAs are available for public inspection and copying at the Public

Safety and Private Wireless Division, room 8010, 2025 M Street, NW, Washington, DC. Except as shown in the table, the frequency pairs listed in paragraph (c)(1)(i) of this section are available for assignment to a single licensee in each of the VPCSAs listed in the table in this paragraph. In addition to the listed EAs listed in the table in this paragraph, each VPCSA also includes the adjacent waters under the jurisdiction of the United States.

[Note: The following TABLE/FORM is too wide to be displayed on one screen. You must print it for a meaningful review of its contents. The table has been divided into multiple pieces with each piece containing information to help you assemble a printout of the table. The information for each piece includes: (1) a three line message preceding the tabular data showing by line # and character # the position of the upper left-hand corner of the piece and the position of the piece within the entire table; and (2) a numeric scale following the tabular data displaying the character positions.]

****
******** This is piece 1. -- It begins at character 1 of table line 1. ********
****

VHF Public coast station areas (VPCSAs)

VPCSAs	EAs
1 (Northern Atlantic)	1-5, 10
2 (Mid-Atlantic)	9, 11-23, 25, 42, 46
3 (Southern Atlantic)	24, 26-34, 37, 38, 40, 41, 174
4 (Mississippi River)	34, 36, 39, 43-45, 47-53, 67-107, 113, 116-120, 122-125, 127, 130-134, 176
5 (Great Lakes)	6-8, 54-66, 108, 109
6 (Southern Pacific)	160-165
7 (Northern Pacific)	147, 166-170
8 (Hawaii)	172, 173, 175
9 (Alaska)	171
10 (Grand Forks)	110
11 (Minot)	111
12 (Bismarck)	112
13 (Aberdeen)	114
14 (Rapid City)	115
15 (North Platte)	121
16 (Western Oklahoma)	126
17 (Abilene)	128
18 (San Angelo)	129
19 (Odessa-Midland)	135
20 (Hobbs)	136
21 (Lubbock)	137
22 (Amarillo)	138

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23 (Santa Fe) ................... 139 ...............................
24 (Pueblo) ..................... 140 ...............................
25 (Denver-Boulder-Greeley) ..... 141 ...............................
26 (Scottsbluff) ................ 142 ...............................
27 (Casper) ..................... 143 ...............................
28 (Billings) ................... 144 ...............................
29 (Great Falls) ................ 145 ...............................
30 (Missoula) ................... 146 ...............................
31 (Idaho Falls) ................ 148 ...............................
32 (Twin Falls) ................. 149 ...............................
33 (Boise City) ................. 150 ...............................
34 (Reno) ....................... 151 ...............................
35 (Salt Lake City-Ogden) ....... 152 ...............................
36 (Las Vegas) .................. 153 ...............................
37 (Flagstaff) .................. 154 ...............................
38 (Farmington) ................. 155 ...............................
39 (Albuquerque) ................ 156 ...............................
40 (El Paso) .................... 157 ...............................
41 (Phoenix-Mesa) ............... 158 ...............................
42 (Tucson) ..................... 159 ...............................
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1...+...10....+...20....+...30....+...40....+...50....+...60....+...7
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*******************************************************************************
******* This is piece 2. -- It begins at character 70 of table line 1. ********
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  Frequency
  pairs not
  available
     for
  assignment
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70..+...80...

(c) (1) (iii)

(iii) Subject to paragraph (c)(3) of this section, each licensee may also operate on 12.5 kHz offset frequencies in areas where the licensee is authorized on both frequencies adjacent to the offset frequency, and in areas where the licensee on the other side of the offset frequency consents to the licensee's use of the adjacent offset frequency.

(c) (2)

(2) Any recovered channel pairs will revert automatically to the holder of the VPCSA license within which such channels are included, except the channel pairs listed in the table in paragraph (c)(1)(ii) of this section. Those channel pairs, and any channel pairs recovered where there is no VPCSA licensee; will be retained by the Commission for future licensing.

(c) (3)

(3) VPCSA licensees may not operate on Channel 228B (162.0125 MHz), which is available for use in the Coast Guard's Ports and Waterways Safety System (PAWSS)). In addition, within six months of the conclusion of the competitive bidding procedures to determine the licensees in each VPCSA, the U.S. Coast Guard shall submit to each licensee of VPCSAs 1-9 a plan specifying up to two narrowband channel pairs offset 12.5 kHz from the channels set forth in the table in paragraph (c)(1)(i) of this section, for use in the PAWSS. The final selection of the PAWSS channel pairs can be negotiated (if the VPCSA licensee objects to the Coast Guard proposal, it shall make a counterproposal within three months) and established by an agreement between the parties. All parties