

§ 80.361

this incorporation by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of this standard can be inspected at the Federal Communications Commission, 445 12th Street, SW., Washington, DC (Reference Information Center) or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html. The ITU-R Recommendation can be purchased from the International Telecommunication Union (ITU), Place des Nations, CH-1211 Geneva 20, Switzerland.

(c) *Working frequencies.* Coast and ship stations may use DSC techniques for general calling purposes on their assigned working frequencies in the

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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.

[51 FR 31213, Sept. 2, 1986, as amended at 54 FR 49995, Dec. 4, 1989; 56 FR 9890, Mar. 8, 1991; 56 FR 14150, Apr. 5, 1991; 68 FR 46969, Aug. 7, 2003; 73 FR 4485, Jan. 25, 2008]

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

(a) *Paired channels.* 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.

Ch. no.	Paired frequencies for NBDP and data transmissions (kHz)															
	4 MHz		6 MHz		8 MHz		12 MHz		16 MHz		18/19 MHz		22 MHz		25/26 MHz	
	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship
1	4210.5	4172.5	6314.5	6263.0			12579.5	12477.0	16807.0	16683.5	19681.0	18870.5	22376.5	22284.5	26101.0	25173.0
2	4211.0	4173.0	6315.0	6263.5	8417.0	8377.0	12580.0	12477.5	16807.5	16684.0	19681.5	18871.0	22377.0	22285.0	26101.5	25173.5
3	4211.5	4173.5	6315.5	6264.0	8417.5	8377.5	12580.5	12478.0	16808.0	16684.5	19682.0	18871.5	22377.5	22285.5	26102.0	25174.0
4	4212.0	4174.0	6316.0	6264.5	8418.0	8378.0	12581.0	12478.5	16808.5	16685.0	19682.5	18872.0	22378.0	22286.0	26102.5	25174.5
5	4212.5	4174.5	6316.5	6265.0	8418.5	8378.5	12581.5	12479.0	16809.0	16685.5	19683.0	18872.5	22378.5	22286.5	26103.0	25175.0
6	4213.0	4175.0	6317.0	6265.5	8419.0	8379.0	12582.0	12479.5	16809.5	16686.0	19683.5	18873.0	22379.0	22287.0	26103.5	25175.5
7	4213.5	4175.5	6317.5	6266.0	8419.5	8379.5	12582.5	12480.0	16810.0	16686.5	19684.0	18873.5	22379.5	22287.5	26104.0	25176.0
8	4214.0	4176.0	6318.0	6266.5	8420.0	8380.0	12583.0	12480.5	16810.5	16687.0	19684.5	18874.0	22380.0	22288.0	26104.5	25176.5
9	4214.5	4176.5	6318.5	6267.0	8420.5	8380.5	12583.5	12481.0	16811.0	16687.5	19685.0	18874.5	22380.5	22288.5	26105.0	25177.0
10	4215.0	4177.0	6319.0	6267.5	8421.0	8381.0	12584.0	12481.5	16811.5	16688.0	19685.5	18875.0	22381.0	22289.0	26105.5	25177.5
11					8421.5	8381.5	12584.5	12482.0	16812.0	16688.5	19686.0	18875.5	22381.5	22289.5	26106.0	25178.0
12	4215.5	4178.0	6319.5	6268.5	8422.0	8382.0	12585.0	12482.5	16812.5	16689.0	19686.5	18876.0	22382.0	22290.0	26106.5	25178.5
13	4216.0	4178.5	6320.0	6269.0	8422.5	8382.5	12585.5	12483.0	16813.0	16689.5	19687.0	18876.5	22382.5	22290.5	26107.0	25179.0
14	4216.5	4179.0	6320.5	6269.5	8423.0	8383.0	12586.0	12483.5	16813.5	16690.0	19687.5	18877.0	22383.0	22291.0	26107.5	25179.5
15	4217.0	4179.5	6321.0	6270.0	8423.5	8383.5	12586.5	12484.0	16814.0	16690.5	19688.0	18877.5	22383.5	22291.5	26108.0	25180.0
16	4217.5	4180.0	6321.5	6270.5	8424.0	8384.0	12587.0	12484.5	16814.5	16691.0	19688.5	18878.0	22384.0	22292.0	26108.5	25180.5
17	4218.0	4180.5	6322.0	6271.0	8424.5	8384.5	12587.5	12485.0	16815.0	16691.5	19689.0	18878.5	22384.5	22292.5	26109.0	25181.0
18			6322.5	6271.5	8425.0	8385.0	12588.0	12485.5	16815.5	16692.0	19689.5	18879.0	22385.0	22293.0	26109.5	25181.5
19			6323.0	6272.0	8425.5	8385.5	12588.5	12486.0	16816.0	16692.5	19690.0	18879.5	22385.5	22293.5	26110.0	25182.0
20			6323.5	6272.5	8426.0	8386.0	12589.0	12486.5	16816.5	16693.0	19690.5	18880.0	22386.0	22294.0	26110.5	25182.5
21			6324.0	6273.0	8426.5	8386.5	12589.5	12487.0	16817.0	16693.5	19691.0	18880.5	22386.5	22294.5		
22			6324.5	6273.5	8427.0	8387.0	12590.0	12487.5	16817.5	16694.0	19691.5	18881.0	22387.0	22295.0		
23			6325.0	6274.0	8427.5	8387.5	12590.5	12488.0	16818.0	16694.5			22387.5	22295.5		
24			6325.5	6274.5	8428.0	8388.0	12591.0	12488.5					22388.0	22296.0		
25			6326.0	6275.0	8428.5	8388.5	12591.5	12489.0	16818.5	16695.5			22388.5	22296.5		
26			6326.5	6275.5	8429.0	8389.0	12592.0	12489.5	16819.0	16696.0			22389.0	22297.0		
27			6327.0	6281.0	8429.5	8389.5	12592.5	12490.0	16819.5	16696.5			22389.5	22297.5		
28			6327.5	6281.5	8430.0	8390.0	12593.0	12490.5	16820.0	16697.0			22390.0	22298.0		
29			6328.0	6282.0	8430.5	8390.5	12593.5	12491.0	16820.5	16697.5			22390.5	22298.5		
30					8431.0	8391.0	12594.0	12491.5	16821.0	16698.0			22391.0	22299.0		
31					8431.5	8391.5	12594.5	12492.0	16821.5	16698.5			22391.5	22299.5		
32					8432.0	8392.0	12595.0	12492.5	16822.0	16699.0			22392.0	22300.0		
33					8432.5	8392.5	12595.5	12493.0	16822.5	16699.5			22392.5	22300.5		
34					8433.0	8393.0	12596.0	12493.5	16823.0	16700.0			22393.0	22301.0		
35							12596.5	12494.0	16823.5	16700.5			22393.5	22301.5		
36							12597.0	12494.5	16824.0	16701.0			22394.0	22302.0		
37							12597.5	12495.0	16824.5	16701.5			22394.5	22302.5		
38							12598.0	12495.5	16825.0	16702.0			22395.0	22303.0		
39							12598.5	12496.0	16825.5	16702.5			22395.5	22303.5		
40							12599.0	12496.5	16826.0	16703.0			22396.0	22304.0		
41							12599.5	12497.0	16826.5	16703.5			22396.5	22304.5		
42							12600.0	12497.5	16827.0	16704.0			22397.0	22305.0		
43							12600.5	12498.0	16827.5	16704.5			22397.5	22305.5		
44							12601.0	12498.5	16828.0	16705.0			22398.0	22306.0		
45							12601.5	12499.0	16828.5	16705.5			22398.5	22306.5		

Ch. no.	Paired frequencies for NBDP and data transmissions (kHz)															
	4 MHz		6 MHz		8 MHz		12 MHz		16 MHz		18/19 MHz		22 MHz		25/26 MHz	
	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship	Coast	Ship
46							12602.0	12499.5	16829.0	16706.0			22399.0	22307.0		
47							12602.5	12500.0	16829.5	16706.5			22399.5	22307.5		
48							12603.0	12500.5	16830.0	16707.0			22400.0	22308.0		
49							12603.5	12501.0	16830.5	16707.5			22400.5	22308.5		
50							12604.0	12501.5	16831.0	16708.0			22401.0	22309.0		
51							12604.5	12502.0	16831.5	16708.5			22401.5	22309.5		
52							12605.0	12502.5	16832.0	16709.0			22402.0	22310.0		
53							12605.5	12503.0	16832.5	16709.5			22402.5	22310.5		
54							12606.0	12503.5	16833.0	16710.0			22403.0	22311.0		
55							12606.5	12504.0	16833.5	16710.5			22403.5	22311.5		
56							12607.0	12504.5	16834.0	16711.0			22404.0	22312.0		
57							12607.5	12505.0	16834.5	16711.5			22404.5	22312.5		
58							12608.0	12505.5	16835.0	16712.0			22405.0	22313.0		
59							12608.5	12506.0	16835.5	16712.5			22405.5	22313.5		
60							12609.0	12506.5	16836.0	16713.0			22406.0	22314.0		
61							12609.5	12507.0	16836.5	16713.5			22406.5	22314.5		
62							12610.0	12507.5	16837.0	16714.0			22407.0	22315.0		
63							12610.5	12508.0	16837.5	16714.5			22407.5	22315.5		
64							12611.0	12508.5	16838.0	16715.0			22408.0	22316.0		
65							12611.5	12509.0	16838.5	16715.5			22408.5	22316.5		
66							12612.0	12509.5	16839.0	16716.0			22409.0	22317.0		
67							12612.5	12510.0	16839.5	16716.5			22409.5	22317.5		
68							12613.0	12510.5	16400.0	16717.0			22410.0	22318.0		
69							12613.5	12511.0	16400.5	16717.5			22410.5	22318.5		
70							12614.0	12511.5	16411.0	16718.0			22411.0	22319.0		
71							12614.5	12512.0	16841.5	16718.5			22411.5	22319.5		
72							12615.0	12512.5	16842.0	16719.0			22412.0	22320.0		
73							12615.5	12513.0	16842.5	16719.5			22412.5	22320.5		
74							12616.0	12513.5	16843.0	16720.0			22413.0	22321.0		
75							12616.5	12514.0	16843.5	16720.5			22413.5	22321.5		
76							12617.0	12514.5	16844.0	16721.0			22414.0	22322.0		
77							12617.5	12515.0	16844.5	16721.5			22414.5	22322.5		
78							12618.0	12515.5	16845.0	16722.0			22415.0	22323.0		
79							12618.5	12516.0	16845.5	16722.5			22415.5	22323.5		
80							12619.0	12516.5	16846.0	16723.0			22416.0	22324.0		
81							12619.5	12517.0	16846.5	16723.5			22416.5	22324.5		
82							12620.0	12517.5	16847.0	16724.0			22417.0	22325.0		
83							12620.5	12518.0	16847.5	16724.5			22417.5	22325.5		
84							12621.0	12518.5	16848.0	16725.0			22418.0	22326.0		
85							12621.5	12519.0	16848.5	16725.5			22418.5	22326.5		
86							12622.0	12519.5	16849.0	16726.0			22419.0	22327.0		
87									16849.5	16726.5			22419.5	22327.5		
88							12622.5	12520.5	16850.0	16727.0			22420.0	22328.0		
89							12623.0	12521.0	16850.5	16727.5			22420.5	22328.5		
90							12623.5	12521.5	16851.0	16728.0			22421.0	22329.0		

91					12624.0	12522.0	16851.5	16728.5			22421.5	22329.5
92					12624.5	12522.5	16852.0	16729.0			22422.0	22330.0
93					12625.0	12523.0	16852.5	16729.5			22422.5	22330.5
94					12625.5	12523.5	16853.0	16730.0			22423.0	22331.0
95					12626.0	12524.0	16853.5	16730.5			22423.5	22331.5
96					12626.5	12524.5	16854.0	16731.0			22424.0	22332.0
97					12627.0	12525.0	16854.5	16731.5			22424.5	22332.5
98					12627.5	12525.5	16855.0	16732.0			22425.0	22333.0
99					12628.0	12526.0	16855.5	16732.5			22425.5	22333.5
100					12628.5	12526.5	16856.0	16733.0			22426.0	22334.0
101					12629.0	12527.0	16856.5	16733.5			22426.5	22334.5
102					12629.5	12527.5	16857.0	16739.0				
103					12630.0	12528.0	16857.5	16739.5				
104					12630.5	12528.5	16858.0	16740.0				
105					12631.0	12529.0	16858.5	16740.5				
106					12631.5	12529.5	16859.0	16741.0				
107					12632.0	12530.0	16859.5	16741.5				
108							16860.0	16742.0				
109							16860.5	16742.5				
110							16861.0	16743.0				
111							16861.5	16743.5				
112							16862.0	16744.0				
113							16862.5	16744.5				
114							16863.0	16745.0				
115							16863.5	16745.5				
116							16864.0	16746.0				
117							16864.5	16746.5				
118							16865.0	16747.0				
119							16865.5	16747.5				
120							16866.0	16748.0				
121							16866.5	16748.5				
122							16867.0	16749.0				
123							16867.5	16749.5				
124							16868.0	16750.0				
125							16868.5	16750.5				
126							16869.0	16751.0				
127							16869.5	16751.5				
128							16870.0	16752.0				
129							16870.5	16752.5				
130							16871.0	16753.0				
131							16871.5	16753.5				
132							16872.0	16754.0				

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(b) The following table describes the frequencies and Channel Series with F1B, J2B, or J2D emission which are assignable to ship stations for NBDP

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	25208.5
33			8412.5	12576.0	16801.0		22368.0	25209.0
34			8413.0	12576.5	16801.5		22368.5	25209.5
35			8413.5		16802.0		22369.0	25210.0
36			8414.0		16802.5		22369.5	25210.5
37					16803.0		22370.0	25211.0
38					16803.5		22370.5	25211.5
39					16804.0		22371.0	25212.0
40							22371.5	25212.5
41							22372.0	25213.0
42							22372.5	25213.5
43							22373.0	25214.0
44							22373.5	25214.5
45							22374.0	25215.0

(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) The frequencies in the 156–162 MHz band available for assignment to public coast stations that are contained in § 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.

[51 FR 31213, Sept. 2, 1986, as amended at 56 FR 9890, Mar. 8, 1991; 57 FR 43407, Sept. 21, 1992; 58 FR 16504, Mar. 29, 1993; 68 FR 46969, Aug. 7, 2003]

§ 80.363 Frequencies for facsimile.

(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:

(1) *Ship station frequencies.* The following frequencies are available for use