

GENERAL PURPOSE DSC—Continued  
[In kHz unless otherwise noted]

Worldwide		Series A		Series B	
Ship	Coast	Ship	Coast	Ship	Coast
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
<sup>2</sup> 156.525	<sup>2</sup> 156.525	.....	.....	.....	.....

<sup>1</sup> The frequency 2177.0 kHz is also available to ship stations for intership calling and acknowledgement of such calls only.  
<sup>2</sup> MHz.

(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, and may also be used for routine ship-to-ship communications provided that priority is accorded to distress and safety communications. The provisions and procedures for distress and safety calling are contained in ITU-R M.541-9 (incorporated by reference, see § 80.7), and § 80.103(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.

[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; 76 FR 67612, Nov. 2, 2011]

**§ 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	4178.5	6314.5	6263.0	8417.0	8377.0	12579.5	12477.0	16807.0	16693.5	19681.0	18870.5	22376.5	22284.5	26101.0	25173.0
2	4211.0	4173.0	6315.0	6263.5	8417.5	8377.5	12580.0	12477.5	16807.5	16694.0	19681.5	18871.0	22377.0	22285.0	26101.5	25173.5
3	4211.5	4173.5	6315.5	6264.0	8418.0	8378.0	12580.5	12478.0	16808.0	16694.5	19682.0	18871.5	22377.5	22285.5	26102.0	25174.0
4	4212.0	4174.0	6316.0	6264.5	8418.5	8378.5	12581.0	12478.5	16808.5	16695.0	19682.5	18872.0	22378.0	22286.0	26102.5	25174.5
5	4212.5	4174.5	6316.5	6265.0	8419.0	8379.0	12581.5	12479.0	16809.0	16695.5	19683.0	18872.5	22378.5	22286.5	26103.0	25175.0
6	4213.0	4175.0	6317.0	6265.5	8419.5	8379.5	12582.0	12479.5	16809.5	16696.0	19683.5	18873.0	22379.0	22287.0	26103.5	25175.5
7	4213.5	4175.5	6317.5	6266.0	8420.0	8380.0	12582.5	12480.0	16810.0	16696.5	19684.0	18873.5	22379.5	22287.5	26104.0	25176.0
8	4214.0	4176.0	6318.0	6266.5	8420.5	8380.5	12583.0	12480.5	16810.5	16697.0	19684.5	18874.0	22380.0	22288.0	26104.5	25176.5
9	4214.5	4176.5	6318.5	6267.0	8421.0	8381.0	12583.5	12481.0	16811.0	16697.5	19685.0	18874.5	22380.5	22288.5	26105.0	25177.0
10	4215.0	4177.0	6319.0	6267.5	8421.5	8381.5	12584.0	12481.5	16811.5	16698.0	19685.5	18875.0	22381.0	22289.0	26105.5	25177.5
11	4215.5	4177.5	6319.5	6268.0	8422.0	8382.0	12584.5	12482.0	16812.0	16698.5	19686.0	18875.5	22381.5	22289.5	26106.0	25178.0
12	4216.0	4178.0	6320.0	6268.5	8422.5	8382.5	12585.0	12482.5	16812.5	16699.0	19686.5	18876.0	22382.0	22290.0	26106.5	25178.5
13	4216.5	4178.5	6320.5	6269.0	8423.0	8383.0	12585.5	12483.0	16813.0	16699.5	19687.0	18876.5	22382.5	22290.5	26107.0	25179.0
14	4217.0	4179.0	6321.0	6269.5	8423.5	8383.5	12586.0	12483.5	16813.5	16700.0	19687.5	18877.0	22383.0	22291.0	26107.5	25179.5
15	4217.5	4179.5	6321.5	6270.0	8424.0	8384.0	12586.5	12484.0	16814.0	16700.5	19688.0	18877.5	22383.5	22291.5	26108.0	25180.0
16	4218.0	4180.0	6322.0	6270.5	8424.5	8384.5	12587.0	12484.5	16814.5	16701.0	19688.5	18878.0	22384.0	22292.0	26108.5	25180.5
17	4218.5	4180.5	6322.5	6271.0	8425.0	8385.0	12587.5	12485.0	16815.0	16701.5	19689.0	18878.5	22384.5	22292.5	26109.0	25181.0
18			6323.0	6271.5	8425.5	8385.5	12588.0	12485.5	16815.5	16702.0	19689.5	18879.0	22385.0	22293.0	26109.5	25181.5
19			6323.5	6272.0	8426.0	8386.0	12588.5	12486.0	16816.0	16702.5	19690.0	18879.5	22385.5	22293.5	26110.0	25182.0
20			6324.0	6272.5	8426.5	8386.5	12589.0	12486.5	16816.5	16703.0	19690.5	18880.0	22386.0	22294.0	26110.5	25182.5
21			6324.5	6273.0	8427.0	8387.0	12589.5	12487.0	16817.0	16703.5	19691.0	18880.5	22386.5	22294.5		
22			6325.0	6273.5	8427.5	8387.5	12590.0	12487.5	16817.5	16704.0	19691.5	18881.0	22387.0	22295.0		
23			6325.5	6274.0	8428.0	8388.0	12590.5	12488.0	16818.0	16704.5	19692.0	18881.5	22387.5	22295.5		
24			6326.0	6274.5	8428.5	8388.5	12591.0	12488.5	16818.5	16705.0	19692.5	18882.0	22388.0	22296.0		
25			6326.5	6275.0	8429.0	8389.0	12591.5	12489.0	16819.0	16705.5	19693.0	18882.5	22388.5	22296.5		
26			6327.0	6275.5	8429.5	8389.5	12592.0	12489.5	16819.5	16706.0	19693.5	18883.0	22389.0	22297.0		
27			6327.5	6281.0	8429.5	8389.5	12592.5	12490.0	16820.0	16706.5	19694.0	18883.5	22389.5	22297.5		
28			6328.0	6281.5	8430.0	8390.0	12593.0	12490.5	16820.5	16707.0	19694.5	18884.0	22390.0	22298.0		
29				6282.0		8390.0	12593.5	12491.0	16821.0	16707.5	19695.0	18884.5	22390.5	22298.5		
30					8431.0	8391.0	12594.0	12491.5	16821.5	16708.0	19695.5	18885.0	22391.0	22299.0		
31					8431.5	8391.5	12594.5	12492.0	16822.0	16708.5	19696.0	18885.5	22391.5	22299.5		
32					8432.0	8392.0	12595.0	12492.5	16822.5	16709.0	19696.5	18886.0	22392.0	22300.0		
33					8432.5	8392.5	12595.5	12493.0	16823.0	16709.5	19697.0	18886.5	22392.5	22300.5		
34					8433.0	8393.0	12596.0	12493.5	16823.5	16710.0	19697.5	18887.0	22393.0	22301.0		
35							12596.5	12494.0	16824.0	16710.5	19698.0	18887.5	22393.5	22301.5		
36							12597.0	12494.5	16824.5	16711.0	19698.5	18888.0	22394.0	22302.0		
37							12597.5	12495.0	16825.0	16711.5	19699.0	18888.5	22394.5	22302.5		
38							12598.0	12495.5	16825.5	16712.0	19699.5	18889.0	22395.0	22303.0		
39							12598.5	12496.0	16826.0	16712.5	19700.0	18889.5	22395.5	22303.5		
40							12599.0	12496.5	16826.5	16713.0	19700.5	18890.0	22396.0	22304.0		
41							12599.5	12497.0	16827.0	16713.5	19701.0	18890.5	22396.5	22304.5		
42							12600.0	12497.5	16827.5	16714.0	19701.5	18891.0	22397.0	22305.0		
43							12600.5	12498.0	16828.0	16714.5	19702.0	18891.5	22397.5	22305.5		
44							12601.0	12498.5	16828.5	16715.0	19702.5	18892.0	22398.0	22306.0		
45							12601.5	12499.0	16829.0	16715.5	19703.0	18892.5	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		

§ 80.363

47 CFR Ch. I (10–1–12 Edition)

(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	
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) *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