

154' WPC Fast Response Cutter Frequency Plan

17-Nov-11

FUNCTION	RADIO/TERMINAL	Range	Tx Test Freq(s) MHz	USCG Assignments	Range	Rx Test Freq(s) MHz	USCG Assignments	Channel BW	Output Power (W)	Modulation	Encryption	Emission Designator
NAVTEX Receiver	Furuno NX-700B	NA	N/A		490 and 518 kHz			5.18 kHz	N/A	FM	N/A	5K18F1B
HF-ALE			4.417 8.294 12.356 16.528	CG 893561 CG 892105 CG 892108 CG 892112		4.417 8.294 12.356 16.528	CG 893561 CG 892105 CG 892108 CG 892112					
	Thales TMR8092	1.5-30 MHz	22.177	CG 892132	1.5-30 MHz	22.177	CG 892132	3 kHz	125	AM	N/A	2K80J3E
HF Receive						4.417 8.294 12.356 16.528	CG 893561 CG 892105 CG 892108 CG 892112					
	Thales TMR5091	NA	N/A	N/A	1.5-30 MHz	22.177	CG 892132	3 kHz	N/A	AM	N/A	2K80J3E
HF DSC GMDSS Watch Receiver	Furuno FS-1570	1.6 - 27.5 MHz	N/A	N/A	100 kHz - 29.999 MHz	2.182 2.1875	CG 702607 CG 042017	3 kHz max	150 W peak	AM	N/A	2K80J3E; 304H00J2D
VHF Military Tactical	Raytheon PSC-5D	30-87.975 MHz	41.75	CG 781869	30-87.975 MHz	41.75	CG 781869	45 kHz max	110	AM, FM, CPM	VINSON	16K00F2D; 16K00F3E
VHF-AM Civil Aviation	Raytheon PSC-5D	118.000-136.995 MHz	122.9 164.9	CG 890911	188.000-173.995 MHz	122.9 164.9	CG 890911	45 kHz max	10	AM, FM, CPM	VINSON	6K00A3E
Tactical VHF	Motorola XTL-5000	136.0125 – 173.9875 MHz	171.2375	CG 080535 CG 080532	136.0125 – 173.9875 MHz	171.2375	CG 080535 CG 080532	20 kHz max	50	FM	AES	8K10F1E
Marine Band VHF DSC Class-A	Furuno FM8800S	155 – 161.475 MHz	157.075	MM81A	155 – 161.475 MHz	157.07	MM81A	16 kHz max	25	FM	N/A	16K0F3E
Marine Band VHF Channel 13 & 16 Guard Receiver	Motorola XTL-1500	NA	N/A	N/A	156.650 MHz (Ch 13; 156.80 (Ch 16)	156.650 156.80		16 kHz max	N/A	FM	N/A	16K0F3E
Handheld Tactical-UHF Military LOS	GFE - POST DELIVERY											
	Raytheon PSC-5D	291.000 – 318.300 MHz	237.9 275.125	CG 042373 CG 040122	225.00-399.99 MHz	237.9 275.125	CG 042373 CG 040122	45 kHz max	10	AM, FM, CPM	VINSON	6K00A3E; 25K00A1E
UHF Military SATCOM	Raytheon PSC-5D	291.000 – 318.300 MHz	Specific Freq: as directed by SPAWAR Systems Center Charleston	N/A	243-270 MHz	Specific Freq: as directed by SPAWAR Systems Center Charleston	N/A	30 kHz max	100	CPM, FSK	VINSON	30K0G1D (CPM at 56 kbps); 25K9F1D (16 kbps FSK)
Tactical UHF	Motorola XTL-5000	380.0125 – 469.9875 MHz	410.375 411.8875	CG 081433 CG 102805	380.0125 – 469.9875 MHz	410.375 411.8875	CG 081433 CG 102805	25 KhZ; 12.5 KhZ	50	FM	AES	11K0F3E, 8K10F1E
Public Safety Interoperability UHF	Motorola XTL-5000	764.0125 – 869.9875 MHz	767.0125 803.0125 865.0125		764.0125 – 869.9875 MHz	767.0125 803.0125 865.0125		25 KhZ; 12.5 KhZ	10-50	FM	AES	16K0F3E, 11K0F3E, 8K10F1D, 20K0F1E
Secure Cellular Telephone	L-3 Communications-Guardian Type I-Cellular Phone											
CDMA Commercial-Cellular Telephone												
COMSATCOM:	Thrane & Thrane SC4000 Iridium	1616-1626.5 MHz			1616-1626.5 MHz			41.7 kHz	7 W max (0.6 W typical)	QPSK	N/A	41K7Q7W
COMSATCOM:	KVH TracPhone v7	14.0 - 14.5 GHz			11.7 - 12.75 GHz			36 MHz	4 W	CPM	N/A	36M0G7D
INMARSAT-C	Furuno FELCOM-15	1626.5	1626.5		1646.5	1646.5		5 kHz	16 dBW max	BPSK	N/A	5K00G1D
Emergency Position Indicating Radio Beacon (EPIRB)	ACR 2742	406.028 MHz; 121.5 MHz	406.028 121.5		N/A	N/A		16 kHz	5W @ 406 MHz 50 mW @ 1221 MHz	PSK	N/A	16K0G1D (406 MHz)
SART	ACR 2714	9.2 to 9.5 GHz	9410		9.2 to 9.5 GHz	9410		300 MHz	500 mW	Carrier Keying	N/A	300MX0N
Primary Surface Search Radar	Furuno RTR092	9410 MHz	9410		9410 MHz	9410		17 MHz	25 kW	Pulse Modulated Radar	N/A	17MP0N
Secondary Surface Search Radar	Furuno RTR079	9410 MHz	9410		9410 MHz	9410		17 MHz	4 kW	Pulse Modulated Radar	N/A	17MP0N

VHF AIS	L-3 Communications Protec-M AIS	156.025-162.025 MHz	161.975 162.025		156.025-162.025 MHz	161.975 162.025		16 kHz max	12.5 W max	GMSK, FM	N/A	11K0F1D, 14K2G2B, 16K0GXW
AIS (GPS)	Trimble Bullet	N/A	N/A		1575.42 MHz	1575.42		2.046 MHz	N/A	BPSK	N/A	2M0G1N
Time Code GPS	Symmetrcom, Time Code GPS	N/A	N/A		1575.42 MHz	1575.42		2.046 MHz	N/A	BPSK	N/A	2M0G1N
DGPS	Furuno GP-37	N/A	N/A		1575.42 MHz	1575.42		2.046 MHz	N/A	BPSK	N/A	2M0G1N
Radio Direction Finder	TechComm, TC-5025	N/A	N/A		200 kHz - 470 MHz			20 kHz max	N/A	AM, FM	N/A	16K0F3E, 11K0F3E, 8K10F1D, 8K10F1E, 20K0F1E, 16K0G1D
		N/A									N/A	
CUTTER BOAT												
Radar	Furuno DRS4D										N/A	
DGPS	Furuno GP-37	N/A	N/A		1575.42 MHz	1575.42			N/A	BPSK	N/A	2M0G1N
VHF Tactical	Motorola XTL-5000	136.0125 – 173.9875 MHz	164.9 171.2375	CG080535 CG 080532	136.0125 – 173.9875 MHz	164.9 171.2375	CG080535 CG 080532	20 kHz max	50	FM	AES	11K0F3E, 8K10F1E
VHF-DSC	Standard Horizon Quantum Series Class D		157.075	MM81A		157.075	MM81A		25		N/A	16K0F3E
UHF-Tactical	Motorola XTL-5000	380.0125 – 469.9875 MHz	410.375 411.8875	CG 081433 CG 102805	380.0125 – 469.9875 MHz	410.375 411.8875	CG 081433 CG 102805	25 KhZ; 12.5 KhZ	50	FM	AES	11K0F3E, 8K10F1E
AIS/BFT	L3 PROTEC-M	156.025-162.025 MHz	161.975 162.025	N/A	156.025-162.025 MHz	161.975 162.025	N/A	16 kHz max	12.5 W max	GMSK, FM	N/A	11K0F1D, 14K2G2B, 16K0GXW
AIS GPS	Furuno GPA019	N/A	N/A	N/A	1575.42 MHz	1575.42	N/A	2.046 MHz	N/A	BPSK	N/A	2M0G1N
HF-ALE	Mobat MICOM 3T	1.6 - 30 MHz	4.417 8.294 12.356 16.528 22.177	CG 893561 CG 892105 CG 892108 CG 892112 CG 892132	100 kHz - 30 MHz	4.417 8.294 12.356 16.528 22.177	CG 893561 CG 892105 CG 892108 CG 892112 CG 892132	3 kHz max	125	AM	N/A	2K80J3E