

RF Channel Frequency Allocation

RF Chan	Freq (MHz)	RF Chan	Freq (MHz)	RF Chan	Freq (MHz)
1	162.25	34	136.750	67	149.125
2	163.00	35	137.125	68	149.500
3	163.75	36	137.500	69	149.875
4	164.50	37	137.875	70	150.250
5	165.25	38	138.250	71	150.625
6	166.00	39	138.625	72	151.000
7	166.75	40	139.000	73	151.375
8	167.50	41	139.375	74	151.750
9	168.25	42	139.750	75	152.125
10	169.00	43	140.125	76	152.500
11	169.75	44	140.500	77	152.875
12	170.50	45	140.875	78	153.250
13	171.25	46	141.250	79	153.625
14	172.00	47	141.625	80	154.000
15	172.75	48	142.000	81	154.375
16	173.50	49	142.375	82	154.750
17	162.625	50	142.750	83	155.125
18	163.375	51	143.125	84	155.500
19	164.125	52	143.500	85	155.875
20	164.875	53	143.875	86	156.250
21	165.625	54	144.250	87	156.625
22	166.375	55	144.625	88	157.000
23	167.125	56	145.000	89	157.375
24	167.875	57	145.375	90	157.750
25	168.625	58	145.750	91	158.125
26	169.375	59	146.125	92	158.500
27	170.125	60	146.500	93	158.875
28	170.875	61	146.875	94	159.250
29	171.625	62	147.250	95	159.625
30	172.375	63	147.625	96	160.000
31	173.125	64	148.000	97	160.375
32	136.000	65	148.375	98	160.750
33	136.375	66	148.750	99	161.125

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Sonobuoy
Reference
Guide



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Type and Performance Information

* excludes locked out channels 57 and 58
 ** excludes locked out channels 57, 58 and 93

	Type	Number	Size	Mass	Depths(m)	Channels	Life(hrs)	RF Power	Supplier	Remarks	
Passive	Bathothermal	AN/SSQ 937D	G	3.9kg (8.6 lb)	800	99	<12mins	0.25W	CAN		
		AN/SSQ 36B	A	7.7kg (17lb)	800	99	<12mins	0.25W	USA		
		AN/SSQ 536G	G	3.9kg (8.6 lb)	800	99	<12mins	0.25W	CAN		
	Omni	LOFAR	AN/SSQ 906G	G	5.6kg (12.3 lb)	30, 140, 300	99	1, 2, 3, 4, 5, 6	1W	GBR	Wideband
			AN/SSQ 906H	G	5.1kg (11.2 lb)	15, 30, 60	99	1, 2, 3, 4, 5, 6	1W	GBR	Wideband shallow water and low salinity
			AN/SSQ 908	2/3A	8.1kg (17.8 lb)	15, 30, 60	99	1, 4, 12 or max	1W	GBR	Wideband anchored (25 to 120m) and low salinity
	Directional	DIFAR	AN/SSQ 53D(3)	A	7.1kg (15.6 lb)	30, 60, 120, 300	99	0.5, 1, 2, 4, 8	1W	CAN	Improved LF sensitivity. Sea state 6. 53D & 53D(2) obsolete. Mass with Sonobuoy Launch Container (SLC) = 9.2kg (20.3 lbs)
			AN/SSQ 53D(4)	A	7.1kg (15.6 lb)	30, 60, 120, 300	99	0.5, 1, 2, 4, 8	1W	CAN	GPS, Improved LF sensitivity, Sea State 6
			AN/SSQ 53F	A	8.2kg (18 lb)	30, 60, 120, 300	96**	0.5, 1, 2, 4, 8	1W	USA	Plus Constant Shallow Omni, calibrated Omni, AGC, CFS
			AN/SSQ 53G	A	9.5kg (21 lb)	30, 60, 120, 300	97*	0.5, 1, 2, 4, 8	1W	USA	Sensors: DIFAR, CSO, Calibrated 20/40 kHz Omni with GPS
		AN/SSQ 553G(B)	G	5.1kg (11.2 lb)	30, 120, 300	99	0.5, 1, 2, 4, 6	1W	CAN	LF performance in G-size	
		AN/SSQ 553G(C)	G	5.1kg (11.2 lb)	30, 120, 300	99	0.5, 1, 2, 4, 6	1W	CAN	LF performance in G-size, with GPS	
HIDAR		AN/SSQ 955	G	5.6kg (12.3 lb)	30, 140, 300	99	1, 2, 3, 4, 5, 6	1W	GBR	Standard (DIFAR) and HIDAR (Digital) modes	
		AN/SSQ 955A	G	5.6kg (12.3 lb)	30, 140, 300	99	1, 2, 3, 4, 5, 6	1W	GBR	Calibrated Omni	
		AN/SSQ 955B	G	5.6kg (12.3 lb)	30, 140, 300	99	1, 2, 3, 4, 5, 6	1W	GBR	GPS capable in digital mode	
		AN/SSQ 955C	G	5.3kg (11.7 lb)	15, 30, 60	99	1, 2, 3, 4, 5, 6	1W	GBR	Shallow water and low salinity	
	AN/SSQ 95X	TBD	TBD	30, 140, 300	99	1 - 16	1W	GBR	Multi-mode Passive buoy (in development)		
ADAR	AN/SSQ 101B	A	14.1kg (31 lb)	20, 50, 90, 150	47/94	4.5 - 6	5W	USA	Multistatic receiver for use with AN/SSQ 125. Replaces SSQ-101A		
Multi-Mode	AN/SSQ 573	A	7.1kg (15.6 lb)	30, 60, 120, 300	97*	0.5, 1, 2, 4, 8	1W	CAN	Standard (DIFAR), Digital (HIDAR) and LFA Rx (Analogue) modes, GPS. Mass with Sonobuoy Launch Container (SLC) = 9.2kg (20.3 lbs)		
Active	Directional	DICASS	AN/SSQ 62E	A	15.9kg (35 lb)	17, 27, 50, 100, 120 and 460	97*	1 hr/50 pingsec	1W	USA	Monostatic
			AN/SSQ 62F	A	15.9kg (35 lb)	17, 27, 50, 100, 120 and 460	97*	1 hr/50 pingsec	1W	USA	Monostatic + GPS
		CAMBS	AN/SSQ 963D	A	13.2kg (29 lb)	4 depths	99	1 or 4	1W	GBR	Mono/multistatic High Source Level
	Omni Directional	ALFEA	AN/SSQ 926	A	15.9kg (35 lb)	3 depths	99	6hr/200 pingsec	1W	GBR	Coherent Electro-Acoustic Source, GPS
			AN/SSQ 92X	G	7.8kg (17.2 lb)	20, 60, 250	99	1 - 8	1W	GBR	G-Size active buoy compatible with HIDAR and variants (in development)
LFCSS		AN/SSQ 125	A	16.3kg (36 lb)	20, 50, 90, 150	96**	8hr/140 pingsec	1W	USA	Low Frequency Coherent Source	
A-CASS	AN/SSQ 565	A	14.4kg (31.8 lb)	30, 60, 120, 250	97*	8hr/200 pingsec	1W	CAN	Coherent Electro-Acoustic Source with omni-directional receiver. Mass with Sonobuoy Launch Container (SLC) = 16.5kg (36.3 lbs)		

