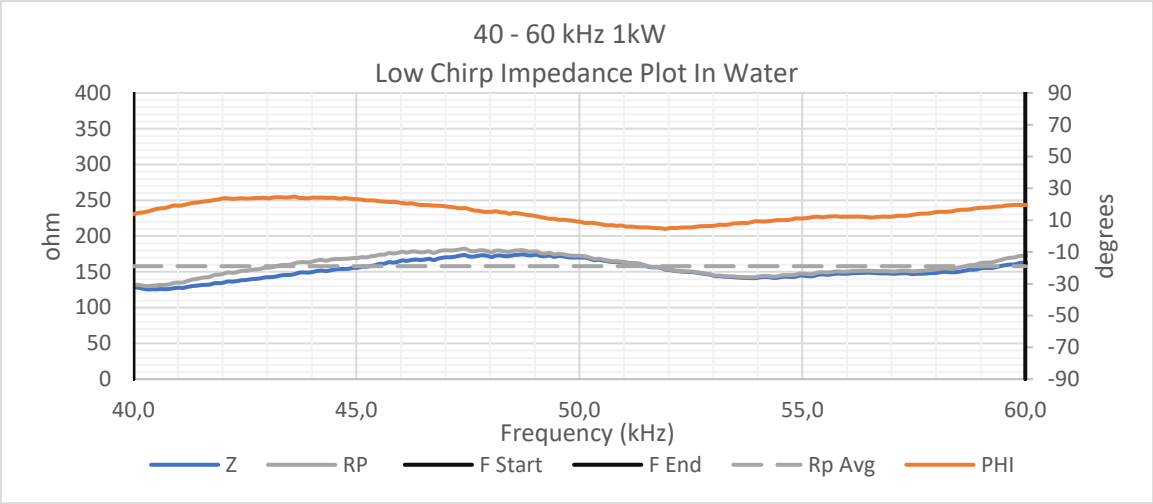
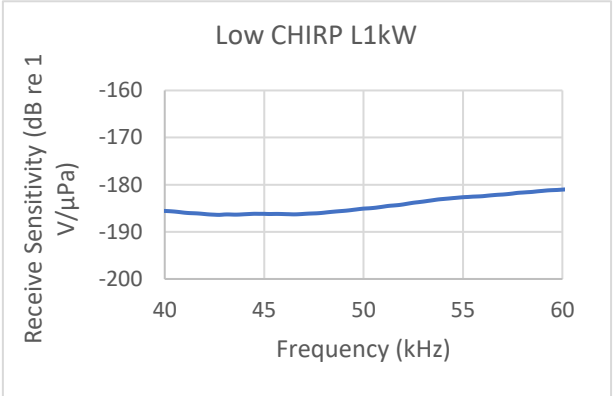
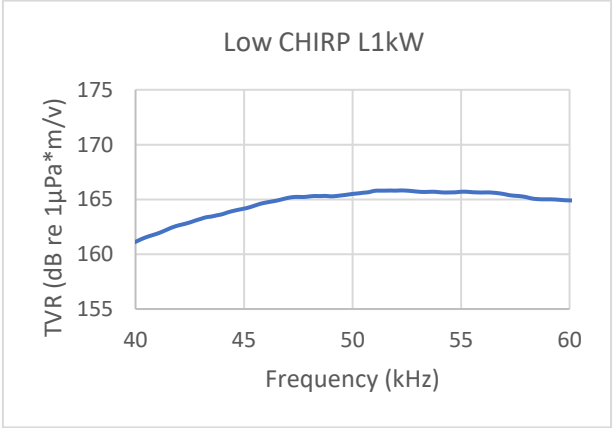
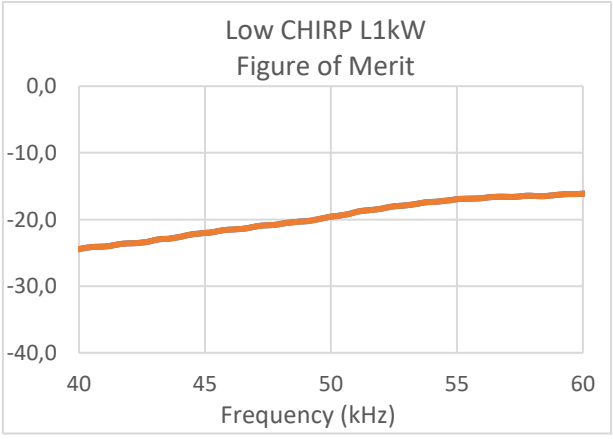
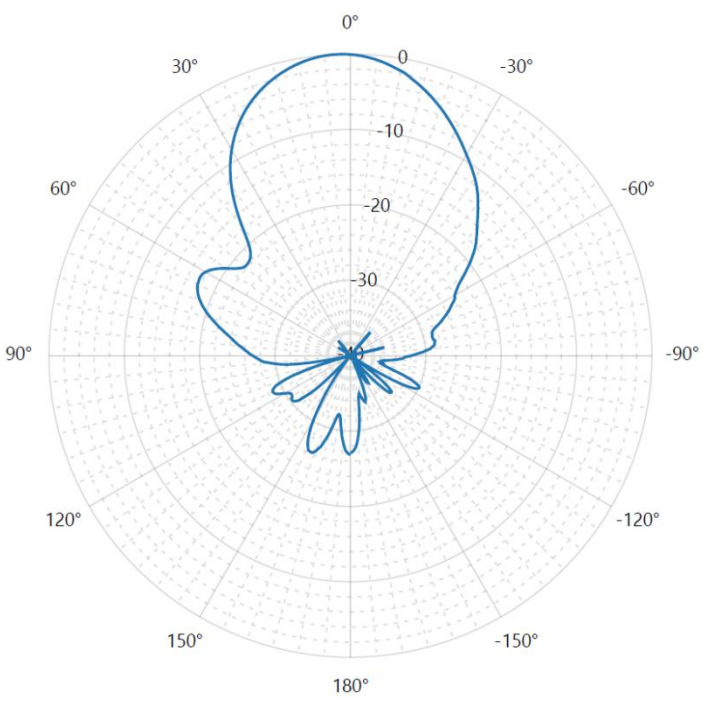

40 - 60 kHz 1kW
Low Chirp Impedance Plot In Water
ohm
degrees
400
350
300
250
200
150
100
50
0
90
70
50
30
10
-10
-30
-50
-70
-90
40,0
45,0
50,0
55,0
60,0
Frequency (kHz)
Z
RP
F Start
F End
Rp Avg
PHI


Low CHIRP L1kW
Receive Sensitivity (dB re 1 V/µPa)
-160
-170
-180
-190
-200
40
45
50
55
60
Frequency (kHz)

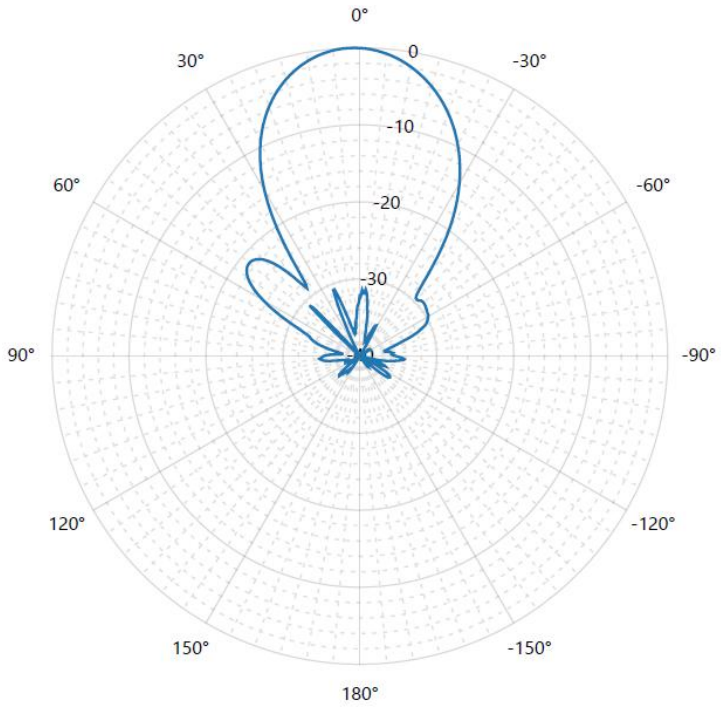

Low CHIRP L1kW
TVR (dB re 1µPa*m/v)
175
170
165
160
155
40
45
50
55
60
Frequency (kHz)


Low CHIRP L1kW
Figure of Merit
0,0
-10,0
-20,0
-30,0
-40,0
40
45
50
55
60
Frequency (kHz)

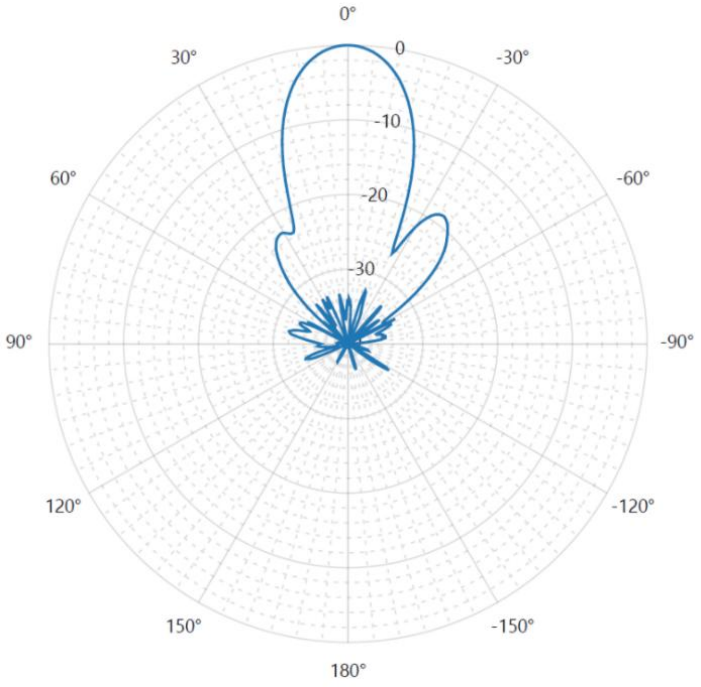
40 kHz 33° @ -3db



50 kHz 28° @-3db



60 kHz 22° @-3db



Model	BT87L1KW, ST87L1KW
Sonar type	CHIRP ready
Frequency	Low 40 - 60 kHz
Power	1KW
Beamwidth	33° to 22° @ 3db
Max Depth	Max 762 m (2,500 ft)

Beam diameter vs depth	
Depth	**Bottom coverage at widest beam**
10 m (33 ft)	6 m (20 ft)
50 m (164 ft)	30 m (98 ft)
100 m (328 ft)	59 m (194 ft)
150 m (492 ft)	89 m (292 ft)
300 m (984 ft)	178 m (584 ft)
450 m (1476 ft)	267 m (876 ft)
600 m (1968 ft)	355 m (1165 ft)
750 m (2461 ft)	444 m (1457 ft)