

BRP Spar-Buoy Response Curves

10/5/96

Sparton transmitter->L'tronics receiver->

Dolch/Soundcard->SpectraPlus Lite SW

Soundcard=Turtle Beach Tahiti, 11025 Hz sampling rate, 16-bit, 512 FFT

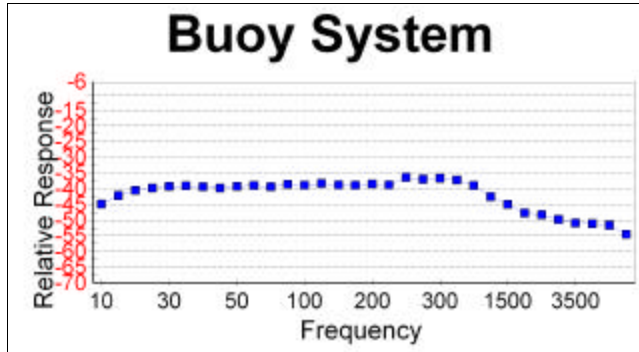
Note: All responses are relative and signal generator settings / level adjusted by hand (w/oscope).

Curve #1

Buoy's hydrophone input->SpectraPlus (full path)

KronHite signal gen, 100mV pk-pk; Buoy Tx=#14

Frequency	Response, dB
10	-44.9 dec=20
15	-42.2
20	-40.5
25	-39.8
30	-39.3
35	-39.1
40	-39.4
45	-39.8
50	-39.3
55	-39
60	-39.4
75	-38.6
100	-38.9
125	-38.3
150	-38.8
175	-38.9
200	-38.5
225	-38.8
250	-36.4 dec=5
275	-37
300	-36.7
350	-37.3
500	-39
1000	-42.6 dec=1
1500	-45
2000	-47.8
2500	-48.3
3000	-49.8
3500	-50.9
4000	-51.1
4500	-51.6
5000	-54.5



Curve #2

Soundcard Line-in->SpectraPlus

Kron-Hite signal-gen, 100mV pk-pk

Frequency	Response, dB
10	-32.1 dec=20
15	-34.1
20	-34.5
25	-34.3
30	-34.6
35	-35.2
40	-35.1
45	-34.8
50	-35.3
55	-34.7
60	-34.6
75	-34.7
100	-34.9
125	-35.2
150	-35.4
175	-36.5
200	-36.5
225	-37.8
250	-35.6 dec=5
275	-34.6
300	-35.1
350	-35.5
500	-35.7
1000	-35.1 dec=1
1500	-34.7
2000	-34.4
2500	-34.4
3000	-35.2
3500	-35.1
4000	-35.2
4500	-34.5
5000	-37.3

