

BRP Spar-Buoy Response Curves

Sparton transmitter->L'tronics receiver->FD901 filter->
 BRP Heterodyne->Sony VCR->Dolch/Soundcard->
 SpectraPlus Lite SW

Soundcard=Generic Opti82C930-based (11025Hz max sampling freq = flimit of 5512.5Hz)
 Note: All responses are relative

Curve #1

Buoy's hydrophone input->SpectraPlus (full path)
 HP signal gen, 30mV rms; Buoy Tx=#14

Frequency	Response
10	-80 est
15	-73.5
20	-68.9
25	-64.9
30	-61.9
35	-59 est
40	-57.6
45	-56
50	-55 est
55	-54.5 est
60	-54 est
75	-52.8
100	-49.8
125	-47.5 est
150	-45.1
175	-44 est
200	-42.7
225	-41.7 est
250	-40 est
275	-38.5 est
300	-38 est
350	-36 est
500	-34.9
1000	-35.5
1500	-36.5 est
2000	-37.8
2500	-38.5 est
3000	-39.5 est
3500	-40.3
4000	-41.5 est
4500	-45 est
5000	-49

Curve #2

Soundcard Line-in->SpectraPlus
 Kron-Hite signal-gen, 30mV pk-pk

Frequency	Response
10	-79.5 dec=20
15	-76.6
20	-70.5
25	-67
30	-64.5
35	-62.1
40	-60.1
45	-58.8
50	-56.7
55	-55.5
60	-55.1
75	-51.9
100	-49.8
125	-47.8
150	-45.8
175	-45.6
200	-45.1
225	-44.5
250	-44.3 dec=5
275	-43
300	-42.5
350	-41.9
500	-40.9
1000	-40.9 dec=1
1500	-40.9
2000	-40.4
2500	-40.3
3000	-40.5
3500	-40.7
4000	-40.2
4500	-42.4
5000	-46.9

