

### 50 $\mu$ S Pre-emphasis

Frequency(Hz)	V1/V2	dB	400Hz Ref		1KHz Ref	
			V1/V2	dB	V1/V2	dB
30	1.000	0.00	0.992	-0.07	0.954	-0.41
50	1.000	0.00	0.992	-0.07	0.954	-0.41
100	1.000	0.00	0.993	-0.06	0.954	-0.40
200	1.002	0.02	0.994	-0.05	0.956	-0.39
300	1.004	0.04	0.997	-0.03	0.958	-0.37
400	1.008	0.07	1.000	0.00	0.962	-0.34
500	1.012	0.11	1.004	0.04	0.966	-0.30
600	1.018	0.15	1.010	0.08	0.971	-0.26
700	1.024	0.21	1.016	0.14	0.977	-0.20
800	1.031	0.27	1.023	0.20	0.984	-0.14
900	1.039	0.33	1.031	0.27	0.991	-0.07
1,000	1.048	0.41	1.040	0.34	1.000	0.00
1,500	1.105	0.87	1.097	0.80	1.055	0.46
2,000	1.181	1.45	1.172	1.38	1.127	1.04
2,500	1.272	2.09	1.262	2.02	1.213	1.68
3,000	1.374	2.76	1.363	2.69	1.311	2.35
3,500	1.486	3.44	1.475	3.37	1.418	3.03
4,000	1.606	4.11	1.593	4.05	1.532	3.71
4,500	1.732	4.77	1.718	4.70	1.652	4.36
5,000	1.862	5.40	1.848	5.33	1.776	4.99
5,500	1.996	6.00	1.981	5.94	1.905	5.60
6,000	2.134	6.58	2.117	6.51	2.036	6.17
6,500	2.274	7.13	2.256	7.07	2.169	6.73
7,000	2.416	7.66	2.397	7.59	2.305	7.25
7,500	2.560	8.16	2.540	8.10	2.442	7.75
8,000	2.705	8.64	2.684	8.58	2.581	8.23
8,500	2.851	9.10	2.829	9.03	2.720	8.69
9,000	2.999	9.54	2.976	9.47	2.861	9.13
9,500	3.148	9.96	3.123	9.89	3.003	9.55
10,000	3.297	10.36	3.271	10.29	3.145	9.95
10,500	3.447	10.75	3.420	10.68	3.288	10.34
11,000	3.598	11.12	3.569	11.05	3.432	10.71
11,500	3.749	11.48	3.719	11.41	3.576	11.07
12,000	3.900	11.82	3.870	11.75	3.721	11.41
12,500	4.052	12.15	4.021	12.09	3.866	11.75
13,000	4.205	12.47	4.172	12.41	4.011	12.07
13,500	4.357	12.78	4.323	12.72	4.157	12.38
14,000	4.510	13.08	4.475	13.02	4.303	12.68
14,500	4.664	13.37	4.627	13.31	4.449	12.97
15,000	4.817	13.66	4.780	13.59	4.596	13.25

### 50 $\mu$ S De-emphasis

Frequency(Hz)	V1/V2	dB	400Hz Ref		1KHz Ref	
			V1/V2	dB	V1/V2	dB
30	1.000	0.00	1.008	0.07	1.048	0.41
50	1.000	0.00	1.008	0.07	1.048	0.41
100	1.000	0.00	1.007	0.06	1.048	0.40
200	0.998	-0.02	1.006	0.05	1.046	0.39
300	1.000	0.00	1.008	0.07	1.048	0.41
400	0.992	-0.07	1.000	0.00	1.040	0.34
500	0.988	-0.11	0.996	-0.04	1.035	0.30
600	0.983	-0.15	0.990	-0.08	1.030	0.26
700	0.977	-0.21	0.984	-0.14	1.024	0.20
800	0.970	-0.27	0.977	-0.20	1.017	0.14
900	0.962	-0.33	0.970	-0.27	1.009	0.07
1,000	0.954	-0.41	0.962	-0.34	1.000	0.00
1,500	0.905	-0.87	0.912	-0.80	0.948	-0.46
2,000	0.847	-1.45	0.853	-1.38	0.888	-1.04
2,500	0.786	-2.09	0.793	-2.02	0.824	-1.68
3,000	0.728	-2.76	0.733	-2.69	0.763	-2.35
3,500	0.673	-3.44	0.678	-3.37	0.705	-3.03
4,000	0.623	-4.11	0.628	-4.05	0.653	-3.71
4,500	0.577	-4.77	0.582	-4.70	0.605	-4.36
5,000	0.537	-5.40	0.541	-5.33	0.563	-4.99
5,500	0.501	-6.00	0.505	-5.94	0.525	-5.60
6,000	0.469	-6.58	0.472	-6.51	0.491	-6.17
6,500	0.440	-7.13	0.443	-7.07	0.461	-6.73
7,000	0.414	-7.66	0.417	-7.59	0.434	-7.25
7,500	0.391	-8.16	0.394	-8.10	0.410	-7.75
8,000	0.370	-8.64	0.373	-8.58	0.388	-8.23
8,500	0.351	-9.10	0.353	-9.03	0.368	-8.69
9,000	0.333	-9.54	0.336	-9.47	0.350	-9.13
9,500	0.318	-9.96	0.320	-9.89	0.333	-9.55
10,000	0.303	-10.36	0.306	-10.29	0.318	-9.95
10,500	0.290	-10.75	0.292	-10.68	0.304	-10.34
11,000	0.278	-11.12	0.280	-11.05	0.291	-10.71
11,500	0.267	-11.48	0.269	-11.41	0.280	-11.07
12,000	0.256	-11.82	0.258	-11.75	0.269	-11.41
12,500	0.247	-12.15	0.249	-12.09	0.259	-11.75
13,000	0.238	-12.47	0.240	-12.41	0.249	-12.07
13,500	0.229	-12.78	0.231	-12.72	0.241	-12.38
14,000	0.222	-13.08	0.223	-13.02	0.232	-12.68
14,500	0.214	-13.37	0.216	-13.31	0.225	-12.97
15,000	0.208	-13.66	0.209	-13.59	0.218	-13.25