1V	.775V	0 db	1V	.775V	0 db	1V	.775V	0 db	1V	.775V	0 db	1V	.775V	0 db	1V	179.	126.	89.4	63.2
													600Ω			32 Ω	16 Ω	8 Ω	4 Ω
94.4	73.1	80.5	944	731	60.5	9.44	7.31	40.5	94.4	73.1	20.5	944	731	0.5	.891	169	119	84.4	59.7
89.1	69.0	81	891	690	61	8.91	6.90	41	89.1	69.0	21	891	690	1	.794	159	113	79.7	56.4
84.1	65.2	81.5	841	652	61.5	8.41	6.52	41.5	84.1	65.2	21.5	841	652	1.5	.708	151	106	75.3	53.2
79.4	61.5	82	794	615	62	7.94	6.15	42	79.4	61.5	22	794	615	2	.631	142	100	71.0	50.2
75.0	58.1	82.5	750	581	62.5	7.50	5.81	42.5	75.0	58.1	22.5	750	581	2.5	.562	134	94.9	67.1	47.4
70.8	54.8	83	708	548	63	7.08	5.48	43	70.8	54.8	23	708	548	3	.501	127	89.5	63.3	44.8
66.8	51.8	83.5	668	518	63.5	6.68	5.18	43.5	66.8	51.8	23.5	668	518	3.5	.447	120	84.5	59.8	42.3
63.1	48.9	84	631	489	64	6.31	4.89	44	63.1	48.9	24	631	489	4	.398	113	79.8	56.4	39.9
59.6	46.1	84.5	596	461	64.5	5.96	4.61	44.5	59.6	46.1	24.5	596	461	4.5	.355	107	75.3	53.3	37.7
56.2	43.6	85	562	436	65	5.62	4.36	45	56.2	43.6	25	562	436	5	.316	101	71.1	50.3	35.6
53.1	41.1	85.5	531	411	65.5	5.31	4.11	45.5	53.1	41.1	25.5	531	411	5.5	.282	95.0	67.2	47.5	33.6
50.1	38.8	86	501	388	66	5.01	3.88	46	50.1	38.8	26	501	388	6	.251	89.7	63.4	44.8	31.7
47.3	36.7	86.5	473	367	66.5	4.73	3.67	46.5	47.3	36.7	26.5	473	367	6.5	.224	84.6	59.8	42.3	29.9
44.7	34.6	87	447	346	67	4.47	3.46	47	44.7	34.6	27	447	346	7	.200	79.9	56.5	40.0	28.3
42.2	32.7	87.5	422	327	67.5	4.22	3.27	47.5	42.2	32.7	27.5	422	327	7.5	.178	75.4	53.3	37.7	26.7
39.8	30.8	88	398	308	68	3.98	3.08	48	39.8	30.8	28	398	308	8	.158	71.2	50.4	35.6	25.2
37.6	29.1	88.5	376	291	68.5	3.76	2.91	48.5	37.6	29.1	28.5	376	291	8.5	.141	67.2	47.5	33.6	23.8
35.5	27.5	89	355	275	69	3.55	2.75	49	35.5	27.5	29	355	275	9	.126	63.5	44.9	31.7	22.4
33.5	25.9	89.5	335	259	69.5	3.35	2.59	49.5	33.5	25.9	29.5	335	259	9.5	.112	59.9	42.4	30.0	21.2
31.6	24.5	90	316	245	70	3.16	2.45	50	31.6	24.5	30	316	245	10	.100	56.6	40.0	28.3	20.0
29.9	23.1	90.5	299	231	70.5	2.99	2.31	50.5	29.9	23.1	30.5	299	231	10.5	.0891	53.4	37.8	26.7	18.9
28.2	21.8	91	282	218	71	2.82	2.18	51	28.2	21.8	31	282	218	11	.0794	50.4	35.7	25.2	17.8
26.6	20.6	91.5	266	206	71.5	2.66	2.06	51.5	26.6	20.6	31.5	266	206	11.5	.0708	47.6	33.7	23.8	16.8
25.1	19.5	92	251	195	72	2.51	1.95	52	25.1	19.5	32	251	195	12	.0631	44.9	31.8	22.5	15.9
23.7	18.4	92.5	237	184	72.5	2.37	1.84	52.5	23.7	18.4	32.5	237	184	12.5	.0562	42.4	30.0	21.2	15.0
22.4	17.3	93	224	173	73	2.24	1.73	53	22.4	17.3	33	224	173	13	.0501	40.0	28.3	20.0	14.2
21.1	16.4	93.5	211	164	73.5	2.11	1.64	53.5	21.1	16.4	33.5	211	164	13.5	.0447	37.8	26.7	18.9	13.4
20.0	15.5	94	200	155	74	2.00	1.55	54	20.0	15.5	34	200	155	14	.0398	35.7	25.2	17.8	12.6
18.8	14.6	94.5	188	146	74.5	1.88	1.46	54.5	18.8	14.6	34.5	188	146	14.5	.0355	33.7	23.8	16.8	11.9
17.8	13.8	95	178	138	75	1.78	1.38	55	17.8	13.8	35	178	138	15	.0316	31.8	22.5	15.9	11.2
16.8	13.0	95.5	168	130	75.5	1.68	1.30	55.5	16.8	13.0	35.5	168	130	15.5	.0282	30.0	21.2	15.0	10.6
15.8	12.3	96	158	123	76	1.58	1.23	56	15.8	12.3	36	158	123	16	.0251	28.4	20.0	14.2	10.0
15.0	11.6	96.5	150	116	76.5	1.50	1.16	56.5	15.0	11.6	36.5	150	116	16.5	.0224	26.8	18.9	13.4	9.46
14.1	10.9	97	141	109	77	1.41	1.09	57	14.1	10.9	37	141	109	17	.0200	25.3	17.9	12.6	8.93
13.3	10.3	97.5	133	103	77.5	1.33	1.03	57.5	13.3	10.3	37.5	133	103	17.5	.0178	23.9	16.9	11.9	8.43
12.6	9.75	98	126	97.5	78	1.26	.975	58	12.6	9.75	38	126	97.5	18	.0158	22.5	15.9	11.3	7.96
11.9	9.21	98.5	119	92.1	78.5	1.19	.921	58.5	11.9	9.21	38.5	119	92.1	18.5	.0141	21.3	15.0	10.6	7.52
11.2	8.69	99	112	86.9	79	1.12	.869	59	11.2	8.69	39	112	86.9	19	.0126	20.1	14.2	10.0	7.10
10.6	8.20	99.5	106	82.0	79.5	1.06	.820	59.5	10.6	8.20	39.5	106	82.0	19.5	.0112	18.9	13.4	9.47	6.70
10.0	7.75	100	100	77.5	80	1.00	.775	60	10.0	7.75	40	100	77.5	20	.0100	17.9	12.6	8.94	6.32
μV	μV	−db	μV	μV	−db	mV	mV	−db	mV	mV	−db	mV	mV	−db	POWER RATIO	mV	mV	mV	mV

THE COMPARISON VOLTAGES ON THE BOTTOM LINE ARE FOR A 1mW REFERENCE FOR THE IMPEDANCE SHOWN

TEAC DECIBEL TABLE (II)

mV	mV	mV	mV	V	POWER RATIO (mW)	+db	VOLTAGE RATIO	+db	VOLTAGE RATIO	+db	VOLTAGE RATIO	+db	VOLTAGE RATIO	+db	VOLTAGE RATIO
632	894	1,265	1,789	7.75	100.0	20	10.00	40	100.0	60	1,000	80	10,000	100	100,000
597	844	1,194	1,689	7.31	89.1	19.5	9.44	39.5	94.4	59.5	944	79.5	9,441	99.5	94,406
564	797	1,127	1,594	6.90	79.4	19	8.91	39	89.1	59	891	79	8,913	99	89,125
532	753	1,064	1,505	6.52	70.8	18.5	8.41	38.5	84.1	58.5	841	78.5	8,414	98.5	84,139
502	710	1,005	1,421	6.15	63.1	18	7.94	38	79.4	58	794	78	7,943	98	79,432
474	671	949	1,341	5.81	56.2	17.5	7.50	37.5	75.0	57.5	750	77.5	7,499	97.5	74,989
448	633	895	1,266	5.48	50.1	17	7.08	37	70.8	57	708	77	7,079	97	70,794
423	598	845	1,196	5.18	44.7	16.5	6.68	36.5	66.8	56.5	668	76.5	6,683	96.5	66,834
399	564	798	1,129	4.89	39.8	16	6.31	36	63.1	56	631	76	6,310	96	63,095
377	533	753	1,066	4.61	35.5	15.5	5.96	35.5	59.6	55.5	596	75.5	5,957	95.5	59,566
356	503	711	1,006	4.36	31.6	15	5.62	35	56.2	55	562	75	5,623	95	56,234
336	475	672	950	4.11	28.2	14.5	5.31	34.5	53.1	54.5	531	74.5	5,309	94.5	53,088
317	448	634	897	3.88	25.1	14	5.01	34	50.1	54	501	74	5,012	94	50,118
299	423	598	846	3.67	22.4	13.5	4.73	33.5	47.3	53.5	473	73.5	4,732	93.5	47,315
283	400	565	799	3.46	20.0	13	4.47	33	44.7	53	447	73	4,467	93	44,668
267	377	533	754	3.27	17.8	12.5	4.22	32.5	42.2	52.5	422	72.5	4,217	92.5	42,169
252	356	504	712	3.08	15.8	12	3.98	32	39.8	52	398	72	3,981	92	39,810
238	336	475	672	2.91	14.1	11.5	3.76	31.5	37.6	51.5	376	71.5	3,758	91.5	37,583
224	317	449	635	2.75	12.6	11	3.55	31	35.5	51	355	71	3,548	91	35,481
212	300	424	599	2.59	11.2	10.5	3.35	30.5	33.5	50.5	335	70.5	3,350	90.5	33,496
200	283	400	566	2.45	10.00	10	3.16	30	31.6	50	316	70	3,162	90	31,622
189	267	378	534	2.31	8.91	9.5	2.99	29.5	29.9	49.5	299	69.5	2,985	89.5	29,853
178	252	357	504	2.18	7.94	9	2.82	29	28.2	49	282	69	2,818	89	28,183
168	238	337	476	2.06	7.08	8.5	2.66	28.5	26.6	48.5	266	68.5	2,661	88.5	26,607
159	225	318	449	1.95	6.31	8	2.51	28	25.1	48	251	68	2,512	88	25,118
150	212	300	424	1.84	5.62	7.5	2.37	27.5	23.7	47.5	237	67.5	2,371	87.5	23,713
142	200	283	400	1.73	5.01	7	2.24	27	22.4	47	224	67	2,239	87	22,387
134	189	267	378	1.64	4.47	6.5	2.11	26.5	21.1	46.5	211	66.5	2,113	86.5	21,134
126	178	252	357	1.55	3.98	6	2.00	26	20.0	46	200	66	1,995	86	19,952
119	168	238	337	1.46	3.55	5.5	1.88	25.5	18.8	45.5	188	65.5	1,884	85.5	18,836
112	159	225	318	1.38	3.16	5	1.78	25	17.8	45	178	65	1,778	85	17,782
106	150	212	300	1.30	2.82	4.5	1.68	24.5	16.8	44.5	168	64.5	1,679	84.5	16,788
100	142	200	284	1.23	2.51	4	1.58	24	15.8	44	158	64	1,585	84	15,848
94.6	134	189	268	1.16	2.24	3.5	1.50	23.5	15.0	43.5	150	63.5	1,496	83.5	14,962
89.3	126	179	253	1.09	2.00	3	1.41	23	14.1	43	141	63	1,413	83	14,125
84.3	119	169	239	1.03	1.78	2.5	1.33	22.5	13.3	42.5	133	62.5	1,334	82.5	13,335
79.6	113	159	225	.975	1.58	2	1.26	22	12.6	42	126	62	1,259	82	12,589
75.2	106	150	213	.921	1.41	1.5	1.19	21.5	11.9	41.5	119	61.5	1,189	81.5	11,885
71.0	100	142	201	.869	1.26	1	1.12	21	11.2	41	112	61	1,122	81	11,220
67.0	94.7	134	189	.820	1.12	0.5	1.06	20.5	10.6	40.5	106	60.5	1,059	80.5	10,592
4 Ω	8 Ω	16 Ω	32 Ω	600 Ω											
63.2	89.4	126	179	.775	1	0 db	1 V	0 db	1 V	0 db	1 V	0 db	1 V	0 db	1 V

TABLE FOR .1 db STEP

+1.0	.869	1.259	1.122
+0.9	.859	1.230	1.109
+0.8	.849	1.202	1.096
+0.7	.840	1.175	1.084
+0.6	.830	1.148	1.072
+0.5	.820	1.122	1.059
+0.4	.811	1.096	1.047
+0.3	.802	1.072	1.035
+0.2	.793	1.047	1.023
+0.1	.784	1.023	1.012
		600 Ω	
0 db	.775V	1mW	1 V
		600 Ω	
−0.1	.766	.977	.989
−0.2	.757	.955	.977
−0.3	.748	.933	.966
−0.4	.740	.912	.955
−0.5	.731	.891	.944
−0.6	.723	.871	.933
−0.7	.715	.851	.923
−0.8	.706	.832	.912
−0.9	.698	.813	.902
−1.0	.690	.794	.891

COMMON LOG TABLE (III)

RATIO	LOG OF RATIO	db POWER $10\log_{10}$	db VOLTAGE $20\log_{10}$
1	0	0	0
10	1	10	20
100	2	20	40
1,000	3	30	60
10,000	4	40	80
100,000	5	50	100
1,000,000	6	60	120