APPENDIX A

AMPLITUDE-RATIO-DECIBEL CONVERSION TABLE

This table is a tabulation of the relationship

 $db = 20 \log_{10} N$

where

db = number of decibels

N =amplitude ratio

AMPLITUDE-RATIO-DECIBEL CONVERSION TABLE

6	-34.42 -30.75 -28.18	-26.20 -24.58	-23.22 -22.05 -21.01 -20.09	-14.42 -10.75 -8.18 -6.20 -4.58	-3.22 -2.05 -1.01 -0.09	0.75 1.51 2.21 2.86 3.46
80	-34.89 -31.06 -28.40	-26.38 -24.73	-23.35 -22.16 -21.11 -20.18	-14.89 -11.06 -8.40 -6.38	-3.35 -2.16 -1.11 -0.18	0.67 1.44 2.14 2.80 3.41
7	-35.39 -31.37 -28.64	-26.56 -24.88	-23.48 -22.27 -21.21 -20.26	-15.39 -11.37 -8.64 -6.56 -4.88	-3.48 -2.27 -1.21 -0.26	0.59 1.36 2.08 2.73 3.35
9	-35.92 -31.70 -28.87	-26.74 -25.04	-23.61 -22.38 -21.31 -20.35	-15.92 -11.70 -8.87 -6.74	-3.61 -2.38 -1.31 -0.35	0.51 1.29 2.01 2.67 3.29
2	-36.48 -32.04 -29.12	-26.94 -25.19	-23.74 -22.50 -21.41 -20.45	-16.48 -12.04 -9.12 -6.94	-3.74 -2.50 -1.41 -0.45	0.42 1.21 1.94 2.61 3.23
4	-37.08 -32.40 -29.37	-27.13 -25.35	-23.88 -22.62 -21.51 -20.54	-17.08 -12.40 -9.37 -7.13	-3.88 -2.62 -1.51 -0.54	0.34 1.14 1.87 2.54 3.17
٣	-37.72 -32.77 -29.63	-27.33 -25.51	-24.01 -22.73 -21.62 -20.63	-17.72 -12.77 -9.63 -7.33 -5.51	-4.01 -2.73 -1.62 -0.63	0.26 1.06 1.80 2.48 3.11
2	-38.42 -33.15 -29.90	-27.53 -25.68	-24.15 -22.85 -21.72 -20.72	-18.42 -13.15 -9.90 -7.53 -5.68	-4.15 -2.85 -1.72 -0.72	0.17 0.98 1.73 2.41 3.05
_	-39.17 -33.56 -30.17	-27.74 -25.85	-24.29 -22.97 -21.83 -20.82	-19.17 -13.56 -10.17 -7.74 -5.85	-4.29 -2.97 -1.83 -0.82	0.09 0.91 1.66 2.35 2.98
0	-40.00 -33.98 -30.46	-27.96 -26.02	-24.44 -23.10 -21.94 -20.92	-20.00 -13.98 -10.46 -7.96 -6.02	-4.44 -3.10 -1.94 -0.92	0.00 0.83 1.58 2.28 2.92
z	0.01 0.02 0.03	0.04	0.06 0.07 0.08 0.09	0.1 0.2 0.3 0.4 0.5	0.6 0.7 0.8 0.9	1.0 1.1 1.2 1.3

1.5	3.52	3.58	3.64	3.69	3.75	3.81	3.86	3.92	3.97	4.03
1.6	4.08	4.14	4.19	4.24	4.30	4.35	4.40	4.45	4.51	4.56
1.7	4.61	4.66	4.71	4.76	4.81	4.86	4.91	4.96	5.01	5.06
1.8	5.11	5.15	5,20	5.25	5.30	5.34	5.39	5.44	5.48	5.53
1.9	5.58	5.62	5.67	5.71	5.76	5.80	5.85	5.89	5.93	5.98
2	6.02	6,44	6.85	7.23	7.60	7.96	8.30	8.63	8.94	9.25
3	9.54	9.83	10.10	10.37	10.63	10.88	11.13	11.36	11.60	11.82
4	12.04	12.26	12.47	12.67	12.87	13.06	13.26	13.44	13.62	13.80
5	13.98	14.15	14.32	14.49	14.65	14.81	14.96	15.12	15.27	15.42
9	13.70	14.13	14.52	14,42	14.05	14.01	14.70	13.12	13.27	13.42
6	15.56	15.71	15.85	15.99	16.12	16.26	16.39	16.52	16.65	16.78
7	16.90	17.03	17.15	17.27	17.38	17.50	17.62	17.73	17.84	17.95
8	18.06	18.17	18.28	18.38	18.49	18.59	18.69	18.79	18.89	18.99
9	19.08	19.18	19.28	19.37	19.46	19.55	19.65	19.74	19.82	19.91
	17.00	271.10	17.20	17.57	17,40	17.55	17.05		17.02	17.71
10	20.00	20.83	21.58	22.28	22.92	23.52	24.08	24.61	25.11	25.58
20	26.02	26.44	26.85	27.23	27.60	27.96	28.30	28.63	28.94	29.25
30	29.54	29.83	30.10	30.37	30.63	30.88	31.13	31.36	31.60	31.82
40	32.04	32.26	32.47	32.67	32.87	33.06	33.26	33.44	33.62	33.80
50	33.98	34.15	34.32	34,49	34.65	34.81	34.96	35.12	35.27	35.42
60	35.56	35.71	35.85	35.99	36.12	36.26	36.39	36.52	36.65	36.78
70	36.90	37.03	37.15	37.27	37.39	37.50	37.62	37.73	37.84	37.95
80	38.06	38.17	38.28	38.38	38.49	38.59	38.69	38.79	38.89	38.99
90	39.08	39.18	39.28	39.37	39.46	39.55	39.65	39.74	39.82	39.91
	-3100		27,20	27107	23110	0.100			23102	37132