

**For 50Ω System**

<b>dBm</b>	<b>mW</b>	<b>dBmV</b>	<b>mV<sub>RMS</sub></b>	<b>mV<sub>P</sub></b>	<b>mV<sub>PP</sub></b>
-50	0.000	-3.0	0.7	1.0	2.0
-45	0.000	2.0	1.3	1.8	3.6
-40	0.000	7.0	2.2	3.2	6.3
-35	0.000	12.0	4.0	5.6	11.2
-30	0.001	17.0	7.1	10.0	20.0
-25	0.003	22.0	12.6	17.8	35.6
-20	0.010	27.0	22.4	31.6	63.2
-15	0.032	32.0	39.8	56.2	112.5
-10	0.100	37.0	70.7	100.0	200.0
-5	0.316	42.0	125.7	177.8	355.7
0	1.000	47.0	223.6	316.2	632.5
1	1.259	48.0	250.9	354.8	709.6
2	1.585	49.0	281.5	398.1	796.2
3	1.995	50.0	315.9	446.7	893.4
4	2.512	51.0	354.4	501.2	1002.4
5	3.162	52.0	397.6	562.3	1124.7
6	3.981	53.0	446.2	631.0	1261.9
7	5.012	54.0	500.6	707.9	1415.9
8	6.310	55.0	561.7	794.3	1588.7
9	7.943	56.0	630.2	891.3	1782.5
10	10.000	57.0	707.1	1000.0	2000.0
11	12.589	58.0	793.4	1122.0	2244.0
12	15.849	59.0	890.2	1258.9	2517.9
13	19.953	60.0	998.8	1412.5	2825.1
14	25.119	61.0	1120.7	1584.9	3169.8
15	31.623	62.0	1257.4	1778.3	3556.6
16	39.811	63.0	1410.9	1995.3	3990.5
17	50.119	64.0	1583.0	2238.7	4477.4
18	63.096	65.0	1776.2	2511.9	5023.8
19	79.433	66.0	1992.9	2818.4	5636.8
20	100.000	67.0	2236.1	3162.3	6324.6
21	125.893	68.0	2508.9	3548.1	7096.3
22	158.489	69.0	2815.0	3981.1	7962.1
23	199.526	70.0	3158.5	4466.8	8933.7
24	251.189	71.0	3543.9	5011.9	10023.7
25	316.228	72.0	3976.4	5623.4	11246.8
26	398.107	73.0	4461.5	6309.6	12619.1
27	501.187	74.0	5005.9	7079.5	14158.9
28	630.957	75.0	5616.7	7943.3	15886.6
29	794.328	76.0	6302.1	8912.5	17825.0
30	1000.000	77.0	7071.1	10000.0	20000.0

**For 75Ω System**

<b>dBm</b>	<b>mW</b>	<b>dBmV</b>	<b>mV<sub>RMS</sub></b>	<b>mV<sub>P</sub></b>	<b>mV<sub>PP</sub></b>
-50	0.000	-1.2	0.9	1.2	2.4
-45	0.000	3.8	1.5	2.2	4.4
-40	0.000	8.8	2.7	3.9	7.7
-35	0.000	13.8	4.9	6.9	13.8
-30	0.001	18.8	8.7	12.2	24.5
-25	0.003	23.8	15.4	21.8	43.6
-20	0.010	28.8	27.4	38.7	77.5
-15	0.032	33.8	48.7	68.9	137.7
-10	0.100	38.8	86.6	122.5	244.9
-5	0.316	43.8	154.0	217.8	435.6
0	1.000	48.8	273.9	387.3	774.6
1	1.259	49.8	307.3	434.6	869.1
2	1.585	50.8	344.8	487.6	975.2
3	1.995	51.8	386.8	547.1	1094.1
4	2.512	52.8	434.0	613.8	1227.7
5	3.162	53.8	487.0	688.7	1377.4
6	3.981	54.8	546.4	772.8	1545.5
7	5.012	55.8	613.1	867.1	1734.1
8	6.310	56.8	687.9	972.8	1945.7
9	7.943	57.8	771.8	1091.6	2183.1
10	10.000	58.8	866.0	1224.7	2449.5
11	12.589	59.8	971.7	1374.2	2748.4
12	15.849	60.8	1090.3	1541.9	3083.7
13	19.953	61.8	1223.3	1730.0	3460.0
14	25.119	62.8	1372.6	1941.1	3882.2
15	31.623	63.8	1540.0	2177.9	4355.9
16	39.811	64.8	1727.9	2443.7	4887.4
17	50.119	65.8	1938.8	2741.9	5483.7
18	63.096	66.8	2175.4	3076.4	6152.8
19	79.433	67.8	2440.8	3451.8	6903.6
20	100.000	68.8	2738.6	3873.0	7746.0
21	125.893	69.8	3072.8	4345.6	8691.1
22	158.489	70.8	3447.7	4875.8	9751.6
23	199.526	71.8	3868.4	5470.7	10941.5
24	251.189	72.8	4340.4	6138.3	12276.5
25	316.228	73.8	4870.0	6887.2	13774.5
26	398.107	74.8	5464.3	7727.6	15455.2
27	501.187	75.8	6131.0	8670.5	17341.1
28	630.957	76.8	6879.1	9728.5	19457.0
29	794.328	77.8	7718.5	10915.6	21831.1
30	1000.000	78.8	8660.3	12247.4	24494.9