

**Relationship between dBm, W, dB $\mu$ V, V**

dBm	W	dB $\mu$ V	V
-100	0.1pW	7	2.2 $\mu$ V
-90	1pW	17	7 $\mu$ V
-80	10pW	27	22 $\mu$ V
-70	100pW	37	70 $\mu$ V
-60	1nW	47	220 $\mu$ V
-50	10nW	57	700 $\mu$ V
-47	20nW	60	1mV
-40	100nW	67	2.2mV
-30	1 $\mu$ W	77	7mV
-20	10 $\mu$ W	87	22mV
-10	100 $\mu$ W	97	70mV
0	1mW	107	220mV
10	10mW	117	700mV
20	100mW	127	2.2V
30	1W	137	7V
40	10W	147	22V
50	100W	157	70V
60	1KW	167	220V
70	10KW	177	700V
80	100KW	187	2.2KV
90	1MW	197	7KV