

dBm table Volts - Watts conversion. 0dBm = 1mW/50 Ohms

dBm					dBm					dBm					dBm					dBm					dBm				
dBm	Power level		Voltage RMS		dBm	Power level		Voltage RMS		dBm	Power level		Voltage RMS		dBm	Power level		Voltage RMS		dBm	Power level		Voltage RMS		dBm	Power level		Voltage RMS	
30	1.0000	W	7.0711	V	0	1.0000	mW	223.61	mV	-30	1.0000	µW	7.0711	mV	-60	1.0000	nW	223.61	µV	-90	1.0000	pW	7.0711	µV	-120	1.0000	fW	223.61	nV
29	794.33	mW	6.3021	V	-1	794.33	µW	199.29	mV	-31	794.33	nW	6.3021	mV	-61	794.33	pW	199.29	µV	-91	794.33	fW	6.3021	µV	-121	794.33	aW	199.29	nV
28	630.96	mW	5.6167	V	-2	630.96	µW	177.62	mV	-32	630.96	nW	5.6167	mV	-62	630.96	pW	177.62	µV	-92	630.96	fW	5.6167	µV	-122	630.96	aW	177.62	nV
27	501.19	mW	5.0059	V	-3	501.19	µW	158.30	mV	-33	501.19	nW	5.0059	mV	-63	501.19	pW	158.30	µV	-93	501.19	fW	5.0059	µV	-123	501.19	aW	158.30	nV
26	398.11	mW	4.4615	V	-4	398.11	µW	141.09	mV	-34	398.11	nW	4.4615	mV	-64	398.11	pW	141.09	µV	-94	398.11	fW	4.4615	µV	-124	398.11	aW	141.09	nV
25	316.23	mW	3.9764	V	-5	316.23	µW	125.74	mV	-35	316.23	nW	3.9764	mV	-65	316.23	pW	125.74	µV	-95	316.23	fW	3.9764	µV	-125	316.23	aW	125.74	nV
24	251.19	mW	3.5439	V	-6	251.19	µW	112.07	mV	-36	251.19	nW	3.5439	mV	-66	251.19	pW	112.07	µV	-96	251.19	fW	3.5439	µV	-126	251.19	aW	112.07	nV
23	199.53	mW	3.1585	V	-7	199.53	µW	99.881	mV	-37	199.53	nW	3.1585	mV	-67	199.53	pW	99.881	µV	-97	199.53	fW	3.1585	µV	-127	199.53	aW	99.881	nV
22	158.49	mW	2.8150	V	-8	158.49	µW	89.019	mV	-38	158.49	nW	2.8150	mV	-68	158.49	pW	89.019	µV	-98	158.49	fW	2.8150	µV	-128	158.49	aW	89.019	nV
21	125.89	mW	2.5089	V	-9	125.89	µW	79.339	mV	-39	125.89	nW	2.5089	mV	-69	125.89	pW	79.339	µV	-99	125.89	fW	2.5089	µV	-129	125.89	aW	79.339	nV
20	100.00	mW	2.2361	V	-10	100.00	µW	70.711	mV	-40	100.00	nW	2.2361	mV	-70	100.00	pW	70.711	µV	-100	100.00	fW	2.2361	µV	-130	100.00	aW	70.711	nV
19	79.433	mW	1.9929	V	-11	79.433	µW	63.021	mV	-41	79.433	nW	1.9929	mV	-71	79.433	pW	63.021	µV	-101	79.433	fW	1.9929	µV	-131	79.433	aW	63.021	nV
18	63.096	mW	1.7762	V	-12	63.096	µW	56.167	mV	-42	63.096	nW	1.7762	mV	-72	63.096	pW	56.167	µV	-102	63.096	fW	1.7762	µV	-132	63.096	aW	56.167	nV
17	50.119	mW	1.5830	V	-13	50.119	µW	50.059	mV	-43	50.119	nW	1.5830	mV	-73	50.119	pW	50.059	µV	-103	50.119	fW	1.5830	µV	-133	50.119	aW	50.059	nV
16	39.811	mW	1.4109	V	-14	39.811	µW	44.615	mV	-44	39.811	nW	1.4109	mV	-74	39.811	pW	44.615	µV	-104	39.811	fW	1.4109	µV	-134	39.811	aW	44.615	nV
15	31.623	mW	1.2574	V	-15	31.623	µW	39.764	mV	-45	31.623	nW	1.2574	mV	-75	31.623	pW	39.764	µV	-105	31.623	fW	1.2574	µV	-135	31.623	aW	39.764	nV
14	25.119	mW	1.1207	V	-16	25.119	µW	35.439	mV	-46	25.119	nW	1.1207	mV	-76	25.119	pW	35.439	µV	-106	25.119	fW	1.1207	µV	-136	25.119	aW	35.439	nV
13	19.953	mW	998.81	mV	-17	19.953	µW	31.585	mV	-47	19.953	nW	998.81	µV	-77	19.953	pW	31.585	µV	-107	19.953	fW	998.81	nV	-137	19.953	aW	31.585	nV
12	15.849	mW	890.19	mV	-18	15.849	µW	28.150	mV	-48	15.849	nW	890.19	µV	-78	15.849	pW	28.150	µV	-108	15.849	fW	890.19	nV	-138	15.849	aW	28.150	nV
11	12.589	mW	793.39	mV	-19	12.589	µW	25.089	mV	-49	12.589	nW	793.39	µV	-79	12.589	pW	25.089	µV	-109	12.589	fW	793.39	nV	-139	12.589	aW	25.089	nV
10	10.000	mW	707.11	mV	-20	10.000	µW	22.361	mV	-50	10.000	nW	707.11	µV	-80	10.000	pW	22.361	µV	-110	10.000	fW	707.11	nV	-140	10.000	aW	22.361	nV
9	7.9433	mW	630.21	mV	-21	7.9433	µW	19.929	mV	-51	7.9433	nW	630.21	µV	-81	7.9433	pW	19.929	µV	-111	7.9433	fW	630.21	nV	-141	7.9433	aW	19.929	nV
8	6.3096	mW	561.67	mV	-22	6.3096	µW	17.762	mV	-52	6.3096	nW	561.67	µV	-82	6.3096	pW	17.762	µV	-112	6.3096	fW	561.67	nV	-142	6.3096	aW	17.762	nV
7	5.0119	mW	500.59	mV	-23	5.0119	µW	15.830	mV	-53	5.0119	nW	500.59	µV	-83	5.0119	pW	15.830	µV	-113	5.0119	fW	500.59	nV	-143	5.0119	aW	15.830	nV
6	3.9811	mW	446.15	mV	-24	3.9811	µW	14.109	mV	-54	3.9811	nW	446.15	µV	-84	3.9811	pW	14.109	µV	-114	3.9811	fW	446.15	nV	-144	3.9811	aW	14.109	nV
5	3.1623	mW	397.64	mV	-25	3.1623	µW	12.574	mV	-55	3.1623	nW	397.64	µV	-85	3.1623	pW	12.574	µV	-115	3.1623	fW	397.64	nV	-145	3.1623	aW	12.574	nV
4	2.5119	mW	354.39	mV	-26	2.5119	µW	11.207	mV	-56	2.5119	nW	354.39	µV	-86	2.5119	pW	11.207	µV	-116	2.5119	fW	354.39	nV	-146	2.5119	aW	11.207	nV
3	1.9953	mW	315.85	mV	-27	1.9953	µW	9.9881	mV	-57	1.9953	nW	315.85	µV	-87	1.9953	pW	9.9881	µV	-117	1.9953	fW	315.85	nV	-147	1.9953	aW	9.9881	nV
2	1.5849	mW	281.50	mV	-28	1.5849	µW	8.9019	mV	-58	1.5849	nW	281.50	µV	-88	1.5849	pW	8.9019	µV	-118	1.5849	fW	281.50	nV	-148	1.5849	aW	8.9019	nV
1	1.2589	mW	250.89	mV	-29	1.2589	µW	7.9339	mV	-59	1.2589	nW	250.89	µV	-89	1.2589	pW	7.9339	µV	-119	1.2589	fW	250.89	nV	-149	1.2589	aW	7.9339	nV
0	1.0000	mW	223.61	mV	-30	1.0000	µW	7.0711	mV	-60	1.0000	nW	223.61	µV	-90	1.0000	pW	7.0711	µV	-120	1.0000	fW	223.61	nV	-150	1.0000	aW	7.0711	nV