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Table of Equivalent Voltages & Powers in a 50 Ω System					
V _{peak} (V)	V _{rms} (V)	V _{avg} (V)	P(W)	P(mW)	P(dBm)
10	7.07107	6.36620	1.00000	1000.00000	30.00000
9	6.36396	5.72958	0.81000	810.00000	29.08485
8	5.65685	5.09296	0.64000	640.00000	28.06180
7	4.94975	4.45634	0.49000	490.00000	26.90196
6	4.24264	3.81972	0.36000	360.00000	25.56303
5	3.53553	3.18310	0.25000	250.00000	23.97940
4	2.82843	2.54648	0.16000	160.00000	22.04120
3.162278	2.23607	2.01317	0.10000	100.00000	20.00000
3	2.12132	1.90986	0.09000	90.00000	19.54243
2	1.41421	1.27324	0.04000	40.00000	16.02060
1	0.70711	0.63662	0.01000	10.00000	10.00000
0.9	0.63640	0.57296	0.00810	8.10000	9.08485
0.8	0.56569	0.50930	0.00640	6.40000	8.06180
0.7	0.49497	0.44563	0.00490	4.90000	6.90196
0.6	0.42426	0.38197	0.00360	3.60000	5.56303
0.5	0.35355	0.31831	0.00250	2.50000	3.97940
0.4	0.28284	0.25465	0.00160	1.60000	2.04120
0.316228	0.22361	0.20132	0.00100	1.00000	0.00000
0.3	0.21213	0.19099	0.00090	0.90000	-0.45757
0.2	0.14142	0.12732	0.00040	0.40000	-3.97940
0.1	0.07071	0.06366	0.00010	0.10000	-10.00000
0.09	0.06364	0.05730	0.00008	0.08100	-10.91515
0.08	0.05657	0.05093	0.00006	0.06400	-11.93820
0.07	0.04950	0.04456	0.00005	0.04900	-13.09804
0.06	0.04243	0.03820	0.00004	0.03600	-14.43697
0.05	0.03536	0.03183	0.00003	0.02500	-16.02060
0.04	0.02828	0.02546	0.00002	0.01600	-17.95880
0.031623	0.02236	0.02013	0.00001	0.01000	-20.00000
0.03	0.02121	0.01910		0.00900	-20.45757
0.02	0.01414	0.01273		0.00400	-23.97940
0.01	0.00707	0.00637		0.00100	-30.00000
0.009	0.00636	0.00573		0.00081	-30.91515
0.008	0.00566	0.00509		0.00064	-31.93820
0.007	0.00495	0.00446		0.00049	-33.09804
0.006	0.00424	0.00382		0.00036	-34.43697
0.005	0.00354	0.00318		0.00025	-36.02060
0.004	0.00283	0.00255		0.00016	-37.95880
0.003162	0.00224	0.00201		0.00010	-40.00000
0.003	0.00212	0.00191		0.00009	-40.45757
0.002	0.00141	0.00127		0.00004	-43.97940
0.001	0.00071	0.00064		0.00001	-50.00000
Formulas	V _{pk} /SQRT(2)	V _{pk} *2/PI()	V ² _{pk} /(2*50)	P _W *1000	10*log(P _{mW})



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