

[dBm]	[Watts]	[Volts]rms	[Volts]p	[Volts]pp	S Meter	Notes
-180	1.0000E-21	0.224 nV	0.316 nV	0.632 nV		
-179	1.2600E-21	0.251 nV	0.355 nV	0.710 nV		
-178	1.5800E-21	0.282 nV	0.398 nV	0.796 nV		
-177	2.0000E-21	0.316 nV	0.447 nV	0.893 nV		
-176	2.5100E-21	0.354 nV	0.501 nV	1.002 nV		
-175	3.1600E-21	0.398 nV	0.562 nV	1.125 nV		
-174	3.9800E-21	0.446 nV	0.631 nV	1.262 nV		
-173	5.0100E-21	0.501 nV	0.708 nV	1.416 nV		
-172	6.3100E-21	0.562 nV	0.794 nV	1.588 nV		
-171	7.9400E-21	0.630 nV	0.891 nV	1.782 nV		
-170	1.0000E-20	0.707 nV	1.000 nV	2.000 nV		
-169	1.2600E-20	0.793 nV	1.122 nV	2.244 nV		
-168	1.5800E-20	0.890 nV	1.259 nV	2.517 nV		
-167	2.0000E-20	0.999 nV	1.412 nV	2.825 nV		
-166	2.5100E-20	1.121 nV	1.585 nV	3.169 nV		
-165	3.1600E-20	1.257 nV	1.778 nV	3.556 nV		
-164	3.9800E-20	1.411 nV	1.995 nV	3.990 nV		
-163	5.0100E-20	1.583 nV	2.238 nV	4.477 nV		
-162	6.3100E-20	1.776 nV	2.512 nV	5.023 nV		
-161	7.9400E-20	1.993 nV	2.818 nV	5.636 nV		
-160	1.0000E-19	2.236 nV	3.162 nV	6.324 nV		
-159	1.2600E-19	2.509 nV	3.548 nV	7.095 nV		
-158	1.5800E-19	2.815 nV	3.980 nV	7.961 nV		
-157	2.0000E-19	3.159 nV	4.466 nV	8.932 nV		
-156	2.5100E-19	3.544 nV	5.011 nV	10.022 nV		
-155	3.1600E-19	3.976 nV	5.623 nV	11.245 nV		
-154	3.9800E-19	4.462 nV	6.309 nV	12.617 nV		
-153	5.0100E-19	5.006 nV	7.078 nV	14.157 nV		
-152	6.3100E-19	5.617 nV	7.942 nV	15.884 nV		
-151	7.9400E-19	6.302 nV	8.911 nV	17.822 nV		
-150	1.0000E-18	7.071 nV	9.998 nV	19.997 nV		
-149	1.2600E-18	7.934 nV	11.218 nV	22.437 nV		
-148	1.5800E-18	8.902 nV	12.587 nV	25.175 nV		
-147	2.0000E-18	9.988 nV	14.123 nV	28.246 nV		
-146	2.5100E-18	11.207 nV	15.847 nV	31.693 nV		
-145	3.1600E-18	12.574 nV	17.780 nV	35.560 nV		
-144	3.9800E-18	14.109 nV	19.950 nV	39.899 nV		
-143	5.0100E-18	15.830 nV	22.384 nV	44.768 nV		
-142	6.3100E-18	17.762 nV	25.115 nV	50.230 nV		
-141	7.9400E-18	19.929 nV	28.180 nV	56.359 nV	VHF S1	
-140	1.0000E-17	22.361 nV	31.618 nV	63.236 nV		
-139	1.2600E-17	25.089 nV	35.476 nV	70.952 nV		
-138	1.5800E-17	28.150 nV	39.805 nV	79.609 nV		
-137	2.0000E-17	31.585 nV	44.662 nV	89.323 nV		
-136	2.5100E-17	35.439 nV	50.111 nV	100.222 nV		
-135	3.1600E-17	39.764 nV	56.226 nV	112.451 nV	VHF S2	
-134	3.9800E-17	44.615 nV	63.086 nV	126.172 nV		
-133	5.0100E-17	50.059 nV	70.784 nV	141.568 nV		
-132	6.3100E-17	56.167 nV	79.421 nV	158.842 nV		
-131	7.9400E-17	63.021 nV	89.112 nV	178.223 nV		

[dBm]	[Watts]	[Volts]rms	[Volts]p	[Volts]pp	S Meter	Notes
-130	1.0000E-16	70.711 nV	99.985 nV	199.970 nV		
-129	1.2600E-16	79.339 nV	112.185 nV	224.370 nV	VHF S3	
-128	1.5800E-16	89.019 nV	125.874 nV	251.747 nV		
-127	2.0000E-16	99.882 nV	141.232 nV	282.465 nV		
-126	2.5100E-16	112.069 nV	158.465 nV	316.931 nV		
-125	3.1600E-16	125.743 nV	177.801 nV	355.602 nV		
-124	3.9800E-16	141.086 nV	199.496 nV	398.992 nV		
-123	5.0100E-16	158.301 nV	223.838 nV	447.677 nV	VHF S4	
-122	6.3100E-16	177.617 nV	251.151 nV	502.302 nV		
-121	7.9400E-16	199.290 nV	281.796 nV	563.591 nV	HF S1	
-120	1.0000E-15	223.607 nV	316.180 nV	632.360 nV		
-119	1.2600E-15	250.891 nV	354.760 nV	709.519 nV		
-118	1.5800E-15	281.504 nV	398.047 nV	796.094 nV		
-117	2.0000E-15	315.853 nV	446.616 nV	893.232 nV	VHF S4	
-116	2.5100E-15	0.354 μ V	0.501 μ V	1.002 μ V		
-115	3.1600E-15	0.398 μ V	0.562 μ V	1.125 μ V	HF S2	
-114	3.9800E-15	0.446 μ V	0.631 μ V	1.262 μ V		
-113	5.0100E-15	0.501 μ V	0.708 μ V	1.416 μ V		
-112	6.3100E-15	0.562 μ V	0.794 μ V	1.588 μ V		
-111	7.9400E-15	0.630 μ V	0.891 μ V	1.782 μ V	VHF S6	
-110	1.0000E-14	0.707 μ V	1.000 μ V	2.000 μ V		
-109	1.2600E-14	0.793 μ V	1.122 μ V	2.244 μ V	HF S3	
-108	1.5800E-14	0.890 μ V	1.259 μ V	2.517 μ V		
-107	2.0000E-14	0.999 μ V	1.412 μ V	2.825 μ V		
-106	2.5100E-14	1.121 μ V	1.585 μ V	3.169 μ V		
-105	3.1600E-14	1.257 μ V	1.778 μ V	3.556 μ V	VHF S7	
-104	3.9800E-14	1.411 μ V	1.995 μ V	3.990 μ V		
-103	5.0100E-14	1.583 μ V	2.238 μ V	4.477 μ V	HF S4	
-102	6.3100E-14	1.776 μ V	2.512 μ V	5.023 μ V		
-101	7.9400E-14	1.993 μ V	2.818 μ V	5.636 μ V		
-100	1.0000E-13	2.236 μ V	3.162 μ V	6.324 μ V		
-99	1.2600E-13	2.509 μ V	3.548 μ V	7.095 μ V	VHF S8	
-98	1.5800E-13	2.815 μ V	3.980 μ V	7.961 μ V		
-97	2.0000E-13	3.159 μ V	4.466 μ V	8.932 μ V	HF S5	
-96	2.5100E-13	3.544 μ V	5.011 μ V	10.022 μ V		
-95	3.1600E-13	3.976 μ V	5.623 μ V	11.245 μ V		
-94	3.9800E-13	4.462 μ V	6.309 μ V	12.617 μ V		
-93	5.0100E-13	5.006 μ V	7.078 μ V	14.157 μ V	VHF S9	
-92	6.3100E-13	5.617 μ V	7.942 μ V	15.884 μ V		
-91	7.9400E-13	6.302 μ V	8.911 μ V	17.822 μ V	HF S6	
-90	1.0000E-12	7.071 μ V	9.998 μ V	19.997 μ V		
-89	1.2600E-12	7.934 μ V	11.218 μ V	22.437 μ V		
-88	1.5800E-12	8.902 μ V	12.587 μ V	25.175 μ V		
-87	2.0000E-12	9.988 μ V	14.123 μ V	28.246 μ V		
-86	2.5100E-12	11.207 μ V	15.847 μ V	31.693 μ V		
-85	3.1600E-12	12.574 μ V	17.780 μ V	35.560 μ V	HF S7	
-84	3.9800E-12	14.109 μ V	19.950 μ V	39.899 μ V		
-83	5.0100E-12	15.830 μ V	22.384 μ V	44.768 μ V		
-82	6.3100E-12	17.762 μ V	25.115 μ V	50.230 μ V		
-81	7.9400E-12	19.929 μ V	28.180 μ V	56.359 μ V		

[dBm]	[Watts]	[Volts]rms	[Volts]p	[Volts]pp	S Meter	Notes
-80	1.0000E-11	22.361 μ V	31.618 μ V	63.236 μ V		
-79	1.2600E-11	25.089 μ V	35.476 μ V	70.952 μ V	HF S8	
-78	1.5800E-11	28.150 μ V	39.805 μ V	79.609 μ V		
-77	2.0000E-11	31.585 μ V	44.662 μ V	89.323 μ V		
-76	2.5100E-11	35.439 μ V	50.111 μ V	100.222 μ V		
-75	3.1600E-11	39.764 μ V	56.226 μ V	112.451 μ V		
-74	3.9800E-11	44.615 μ V	63.086 μ V	126.172 μ V		
-73	5.0100E-11	50.059 μ V	70.784 μ V	141.568 μ V	HF S9	
-72	6.3100E-11	56.167 μ V	79.421 μ V	158.842 μ V		
-71	7.9400E-11	63.021 μ V	89.112 μ V	178.223 μ V		
-70	1.0000E-10	70.711 μ V	99.985 μ V	199.970 μ V		
-69	1.2600E-10	79.339 μ V	112.185 μ V	224.370 μ V		
-68	1.5800E-10	89.019 μ V	125.874 μ V	251.747 μ V		
-67	2.0000E-10	99.881 μ V	141.232 μ V	282.465 μ V		
-66	2.5100E-10	112.069 μ V	158.465 μ V	316.931 μ V		
-65	3.1600E-10	125.743 μ V	177.801 μ V	355.602 μ V		
-64	3.9800E-10	141.086 μ V	199.496 μ V	398.992 μ V		
-63	5.0100E-10	158.301 μ V	223.838 μ V	447.677 μ V	HF S9 +10db	
-62	6.3100E-10	177.617 μ V	251.151 μ V	502.301 μ V		
-61	7.9400E-10	199.290 μ V	281.796 μ V	563.592 μ V		
-60	1.0000E-09	223.607 μ V	316.180 μ V	632.360 μ V		
-59	1.2600E-09	250.891 μ V	354.760 μ V	709.520 μ V		
-58	1.5800E-09	281.504 μ V	398.047 μ V	796.094 μ V		
-57	2.0000E-09	315.853 μ V	446.616 μ V	893.232 μ V		
-56	2.5100E-09	0.354 mV	0.501 mV	1.002 mV		
-55	3.1600E-09	0.398 mV	0.562 mV	1.125 mV		
-54	3.9800E-09	0.446 mV	0.631 mV	1.262 mV		
-53	5.0100E-09	0.501 mV	0.708 mV	1.416 mV	HF S9 +20db	
-52	6.3100E-09	0.562 mV	0.794 mV	1.588 mV		
-51	7.9400E-09	0.630 mV	0.891 mV	1.782 mV		
-50	1.0000E-08	0.707 mV	1.000 mV	2.000 mV		
-49	1.2600E-08	0.793 mV	1.122 mV	2.244 mV		
-48	1.5800E-08	0.890 mV	1.259 mV	2.517 mV		
-47	2.0000E-08	0.999 mV	1.412 mV	2.825 mV		
-46	2.5100E-08	1.121 mV	1.585 mV	3.169 mV		
-45	3.1600E-08	1.257 mV	1.778 mV	3.556 mV		
-44	3.9800E-08	1.411 mV	1.995 mV	3.990 mV		
-43	5.0100E-08	1.583 mV	2.238 mV	4.477 mV	HF S9 +30db	
-42	6.3100E-08	1.776 mV	2.512 mV	5.023 mV		
-41	7.9400E-08	1.993 mV	2.818 mV	5.636 mV		
-40	1.0000E-07	2.236 mV	3.162 mV	6.324 mV		
-39	1.2600E-07	2.509 mV	3.548 mV	7.095 mV		
-38	1.5800E-07	2.815 mV	3.980 mV	7.961 mV		
-37	2.0000E-07	3.159 mV	4.466 mV	8.932 mV		
-36	2.5100E-07	3.544 mV	5.011 mV	10.022 mV		
-35	3.1600E-07	3.976 mV	5.623 mV	11.245 mV		
-34	3.9800E-07	4.462 mV	6.309 mV	12.617 mV		
-33	5.0100E-07	5.006 mV	7.078 mV	14.157 mV	HF S9 +40db	
-32	6.3100E-07	5.617 mV	7.942 mV	15.884 mV		
-31	7.9400E-07	6.302 mV	8.911 mV	17.822 mV		

[dBm]	[Watts]	[Volts]rms	[Volts]p	[Volts]pp	S Meter	Notes
-30	1.0000E-06	7.071 mV	9.998 mV	19.997 mV		
-29	1.2600E-06	7.934 mV	11.218 mV	22.437 mV		
-28	1.5800E-06	8.902 mV	12.587 mV	25.175 mV		
-27	2.0000E-06	9.988 mV	14.123 mV	28.246 mV		
-26	2.5100E-06	11.207 mV	15.847 mV	31.693 mV		
-25	3.1600E-06	12.574 mV	17.780 mV	35.560 mV		
-24	3.9800E-06	14.109 mV	19.950 mV	39.899 mV		
-23	5.0100E-06	15.830 mV	22.384 mV	44.768 mV	HF S9 +50db	
-22	6.3100E-06	17.762 mV	25.115 mV	50.230 mV		
-21	7.9400E-06	19.929 mV	28.180 mV	56.359 mV		
-20	1.0000E-05	22.361 mV	31.618 mV	63.236 mV		
-19	1.2600E-05	25.089 mV	35.476 mV	70.952 mV		
-18	1.5800E-05	28.150 mV	39.805 mV	79.609 mV		
-17	2.0000E-05	31.585 mV	44.662 mV	89.323 mV		
-16	2.5100E-05	35.439 mV	50.111 mV	100.222 mV		
-15	3.1600E-05	39.764 mV	56.226 mV	112.451 mV		
-14	3.9800E-05	44.615 mV	63.086 mV	126.172 mV		
-13	5.0100E-05	50.059 mV	70.784 mV	141.568 mV	HF S9 +60db	
-12	6.3100E-05	56.167 mV	79.421 mV	158.842 mV		
-11	7.9400E-05	63.021 mV	89.112 mV	178.223 mV		
-10	1.0000E-04	70.711 mV	99.985 mV	199.970 mV		
-9	1.2600E-04	79.339 mV	112.185 mV	224.370 mV		
-8	1.5800E-04	89.019 mV	125.874 mV	251.747 mV		
-7	2.0000E-04	99.881 mV	141.232 mV	282.465 mV		
-6	2.5100E-04	112.069 mV	158.465 mV	316.931 mV		
-5	3.1600E-04	125.743 mV	177.801 mV	355.602 mV		
-4	3.9800E-04	141.086 mV	199.496 mV	398.992 mV		
-3	5.0100E-04	158.301 mV	223.838 mV	447.677 mV		
-2	6.3100E-04	177.617 mV	251.151 mV	502.301 mV		
-1	7.9400E-04	199.290 mV	281.796 mV	563.591 mV		
0	0.001000	223.607 mV	316.180 mV	632.360 mV		
1	0.001260	250.891 mV	354.760 mV	709.520 mV		
2	0.001580	281.504 mV	398.047 mV	796.094 mV		
3	0.002000	315.853 mV	446.616 mV	893.232 mV		
4	0.002510	0.354 V	0.501 V	1.002 V		
5	0.003160	0.398 V	0.562 V	1.125 V		
6	0.003980	0.446 V	0.631 V	1.262 V		
7	0.005010	0.501 V	0.708 V	1.416 V		SBL-1 Osc Input
8	0.006310	0.562 V	0.794 V	1.588 V		
9	0.007940	0.630 V	0.891 V	1.782 V		
10	0.010000	0.707 V	1.000 V	2.000 V		
11	0.012600	0.793 V	1.122 V	2.244 V		
12	0.015800	0.890 V	1.259 V	2.517 V		
13	0.020000	0.999 V	1.412 V	2.825 V		
14	0.025100	1.121 V	1.585 V	3.169 V		
15	0.031600	1.257 V	1.778 V	3.556 V		
16	0.039800	1.411 V	1.995 V	3.990 V		
17	0.050100	1.583 V	2.238 V	4.477 V		
18	0.063100	1.776 V	2.512 V	5.023 V		
19	0.079400	1.993 V	2.818 V	5.636 V		

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dBm <> Watts <> Volts

[dBm]	[Watts]	[Volts]rms	[Volts]p	[Volts]pp	S Meter	Notes
20	0.100000	2.236 V	3.162 V	6.324 V		
21	0.126000	2.509 V	3.548 V	7.095 V		
22	0.158000	2.815 V	3.980 V	7.961 V		
23	0.200000	3.159 V	4.466 V	8.932 V		
24	0.251000	3.544 V	5.011 V	10.022 V		
25	0.316000	3.976 V	5.623 V	11.245 V		
26	0.398000	4.462 V	6.309 V	12.617 V		
27	0.501000	5.006 V	7.078 V	14.157 V		
28	0.631000	5.617 V	7.942 V	15.884 V		
29	0.794000	6.302 V	8.911 V	17.822 V		
30	1.000000	7.071 V	9.998 V	19.997 V		
31	1.260000	7.934 V	11.218 V	22.437 V		
32	1.580000	8.902 V	12.587 V	25.175 V		
33	2.000000	9.988 V	14.123 V	28.246 V		
34	2.510000	11.207 V	15.847 V	31.693 V		
35	3.160000	12.574 V	17.780 V	35.560 V		
36	3.980000	14.109 V	19.950 V	39.899 V		
37	5.010000	15.830 V	22.384 V	44.768 V		
38	6.310000	17.762 V	25.115 V	50.230 V		
39	7.940000	19.929 V	28.180 V	56.359 V		
40	10.000000	22.361 V	31.618 V	63.236 V		
41	12.600000	25.089 V	35.476 V	70.952 V		
42	15.800000	28.150 V	39.805 V	79.609 V		
43	20.000000	31.585 V	44.662 V	89.323 V		
44	25.100000	35.439 V	50.111 V	100.222 V		
45	31.600000	39.764 V	56.226 V	112.451 V		
46	39.800000	44.615 V	63.086 V	126.172 V		
47	50.100000	50.059 V	70.784 V	141.568 V		
48	63.100000	56.168 V	79.421 V	158.842 V		
49	79.400000	63.021 V	89.112 V	178.223 V		
50	100.00	70.711 V	99.985 V	199.970 V		
51	126.00	79.339 V	112.185 V	224.370 V		
52	158.00	89.020 V	125.874 V	251.747 V		
53	200.00	99.882 V	141.232 V	282.465 V		
54	251.00	112.069 V	158.465 V	316.931 V		
55	316.00	125.743 V	177.801 V	355.602 V		
56	398.00	141.086 V	199.496 V	398.992 V		
57	501.00	158.302 V	223.838 V	447.677 V		
58	631.00	177.617 V	251.151 V	502.302 V		
59	794.00	199.290 V	281.796 V	563.592 V		
60	1000.00	223.607 V	316.180 V	632.360 V		