

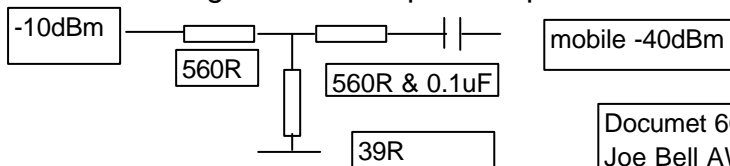
600 O Line Level Chart A.W. Communication Systems Ltd

dBm 600O	Volts RMS	Volts Pk2Pk	dBm 600O	Volts RMS	Volts Pk2Pk
10	2.451	6.932	-16	0.123	0.347
9	2.184	6.178	-17	0.109	0.310
8	1.947	5.506	-18	0.098	0.276
7	1.735	4.907	-19	0.087	0.246
6	1.546	4.374	-20	0.078	0.219
5	1.378	3.898	-21	0.069	0.195
4	1.228	3.474	-22	0.062	0.174
3	1.095	3.096	-23	0.055	0.155
2	0.976	2.760	-24	0.049	0.138
1	0.870	2.459	-25	0.044	0.123
0	0.775	2.192	-26	0.039	0.110
-1	0.691	1.954	-27	0.035	0.098
-2	0.616	1.741	-28	0.031	0.087
-3	0.549	1.552	-29	0.027	0.078
-4	0.489	1.383	-30	0.025	0.069
-5	0.436	1.233	-31	0.022	0.062
-6	0.388	1.099	-32	0.019	0.055
-7	0.346	0.979	-33	0.017	0.049
-8	0.309	0.873	-34	0.015	0.044
-9	0.275	0.778	-35	0.014	0.039
-10	0.245	0.693	-36	0.012	0.035
-11	0.218	0.618	-37	0.011	0.031
-12	0.195	0.551	-38	0.010	0.028
-13	0.174	0.491	-39	0.009	0.025
-14	0.155	0.437	-40	0.008	0.022
-15	0.138	0.390			
dBm	RMS	Pk2Pk	dBm	RMS	Pk2Pk

Industry Standard for line level is -10dBm to line.

DRC-1, DRC1s, & TC1 control units are factory preset to work at -10dBm
 Most radio base stations are set by their manufacturers to use -10dBm.

If you are interfacing to a fixed mobile, remember that microphone sensitivity of a mobile is normally around -44dBm. To interface to a mobile from equipment using -10dBm, inset a 600O "T" pad attenuator (-30dB) and remember to DC isolate it with a capacitor because the mobile may have bias voltage on its microphone input.



Documet 600O-1-06
Joe Bell AWCSL