



***PROCESSING GAIN
DATA SHEETS FOR THE BASE AND HANDSET***



114 OLINDA DRIVE, BREA, CALIFORNIA 92823 PHONE: (714) 579-0500 FAX: (714) 579-1850

CHANNEL1(2406.912MHz) - Base station output to Handset input

Jammer Freq. (MHz)	Transmitter Outputs (dBm)	Signal Level (dBm)	CW Level (dBm)	Mj J/S ratio (dB)	Processing Gain (dB)
2405.912	8.8	-41.2	-35.5	5.7	18.7
2405.962	8.8	-41.2	-36.8	4.4	17.4
2406.012	8.8	-41.2	-38.0	3.2	16.2
2406.062	8.8	-41.2	-39.0	2.2	15.2
2406.112	8.8	-41.2	-40.2	1.0	14.0
2406.162	8.8	-41.2	-41.1	0.1	13.1
2406.212	8.8	-41.2	-41.9	-0.7	12.3
2406.262	8.8	-41.2	-42.8	-1.6	11.4
2406.312	8.8	-41.2	-43.5	-2.3	10.7
2406.362	8.8	-41.2	-42.2	-1.0	12.0
2406.412	8.8	-41.2	-40.2	1.0	14.0
2406.462	8.8	-41.2	-40.3	0.9	13.9
2406.512	8.8	-41.2	-40.5	0.7	13.7
2406.562	8.8	-41.2	-40.8	0.4	13.4
2406.612	8.8	-41.2	-40.5	0.7	13.7
2406.662	8.8	-41.2	-41.2	0.0	13.0
2406.712	8.8	-41.2	-41.3	-0.1	12.9
2406.762	8.8	-41.2	-41.3	-0.1	12.9
2406.812	8.8	-41.2	-41.5	-0.3	12.7
2406.862	8.8	-41.2	-41.2	0.0	13.0
2406.912	8.8	-41.2	-41.1	0.1	13.1
2406.962	8.8	-41.2	-41.0	0.2	13.2
2407.012	8.8	-41.2	-41.3	-0.1	12.9
2407.062	8.8	-41.2	-41.1	0.1	13.1
2407.112	8.8	-41.2	-41.0	0.2	13.2
2407.162	8.8	-41.2	-40.4	0.8	13.8
2407.212	8.8	-41.2	-40.0	1.2	14.2
2407.262	8.8	-41.2	-40.0	1.2	14.2
2407.312	8.8	-41.2	-39.6	1.6	14.6
2407.362	8.8	-41.2	-39.4	1.8	14.8
2407.412	8.8	-41.2	-39.0	2.2	15.2
2407.462	8.8	-41.2	-38.9	2.3	15.3
2407.512	8.8	-41.2	-38.6	2.6	15.6
2407.562	8.8	-41.2	-38.1	3.1	16.1
2407.612	8.8	-41.2	-37.6	3.6	16.6
2407.662	8.8	-41.2	-37.1	4.1	17.1
2407.712	8.8	-41.2	-36.5	4.7	17.7
2407.762	8.8	-41.2	-35.4	5.8	18.8
2407.812	8.8	-41.2	-34.6	6.6	19.6
2407.862	8.8	-41.2	-33.8	7.4	20.4
2407.912	8.8	-41.2	-32.7	8.5	21.5

LOSSES(dB)

Attenuation	50
System Loss	2
S/N ratio	11

Mj J/S ratio =

CW Noize-SigLevel

ProcessingGain =

Mj J/S ratio + Sytem Loss + S/N ratio

CHANNEL16(2437.632MHz) - Base station output to Handset input

Jammer Freq. (MHz)	Transmitter Outputs (dBm)	Signal Level (dBm)	CW Level (dBm)	Mj J/S ratio (dB)	Processing Gain (dB)
2436.632	10.6	-39.4	-33.6	5.8	18.8
2436.682	10.6	-39.4	-34.9	4.5	17.5
2436.732	10.6	-39.4	-36.0	3.4	16.4
2436.782	10.6	-39.4	-36.9	2.5	15.5
2436.832	10.6	-39.4	-38.2	1.2	14.2
2436.882	10.6	-39.4	-39.3	0.1	13.1
2436.932	10.6	-39.4	-39.8	-0.4	12.6
2436.982	10.6	-39.4	-41.2	-1.8	11.2
2437.032	10.6	-39.4	-41.1	-1.7	11.3
2437.082	10.6	-39.4	-38.5	0.9	13.9
2437.132	10.6	-39.4	-38.1	1.3	14.3
2437.182	10.6	-39.4	-38.4	1.0	14.0
2437.232	10.6	-39.4	-38.5	0.9	13.9
2437.282	10.6	-39.4	-38.6	0.8	13.8
2437.332	10.6	-39.4	-38.5	0.9	13.9
2437.382	10.6	-39.4	-38.9	0.5	13.5
2437.432	10.6	-39.4	-39.4	0.0	13.0
2437.482	10.6	-39.4	-39.3	0.1	13.1
2437.532	10.6	-39.4	-39.5	-0.1	12.9
2437.582	10.6	-39.4	-39.2	0.2	13.2
2437.632	10.6	-39.4	-39.3	0.1	13.1
2437.682	10.6	-39.4	-39.0	0.4	13.4
2437.732	10.6	-39.4	-39.3	0.1	13.1
2437.782	10.6	-39.4	-38.8	0.6	13.6
2437.832	10.6	-39.4	-39.0	0.4	13.4
2437.882	10.6	-39.4	-38.4	1.0	14.0
2437.932	10.6	-39.4	-38.0	1.4	14.4
2437.982	10.6	-39.4	-38.0	1.4	14.4
2438.032	10.6	-39.4	-37.6	1.8	14.8
2438.082	10.6	-39.4	-37.4	2.0	15.0
2438.132	10.6	-39.4	-36.9	2.5	15.5
2438.182	10.6	-39.4	-36.8	2.6	15.6
2438.232	10.6	-39.4	-36.4	3.0	16.0
2438.282	10.6	-39.4	-36.1	3.3	16.3
2438.332	10.6	-39.4	-35.5	3.9	16.9
2438.382	10.6	-39.4	-35.0	4.4	17.4
2438.432	10.6	-39.4	-34.7	4.7	17.7
2438.482	10.6	-39.4	-33.7	5.7	18.7
2438.532	10.6	-39.4	-32.7	6.7	19.7
2438.582	10.6	-39.4	-31.9	7.5	20.5
2438.632	10.6	-39.4	-30.7	8.7	21.7

LOSSES(dB)

Attenuation	50
System Loss	2
S/N ratio	11

Mj J/S ratio =

CW Noise-SigLevel

ProcessingGain =

Mj J/S ratio + Sytem Loss + S/N ratio

PROCESSING GAIN TEST

CHANNEL30(2466.304MHz) - Base station output to Handset input

Jammer Freq. (MHz)	Transmitter Outputs (dBm)	Signal Level (dBm)	CW Level (dBm)	Mj J/S ratio (dB)	Processing Gain (dB)
2465.304	10.7	-39.3	-29.6	9.7	22.7
2465.354	10.7	-39.3	-31.4	7.9	20.9
2465.404	10.7	-39.3	-33.6	5.7	18.7
2465.454	10.7	-39.3	-33.6	5.7	18.7
2465.504	10.7	-39.3	-38.4	0.9	13.9
2465.554	10.7	-39.3	-39.6	-0.3	12.7
2465.604	10.7	-39.3	-40.0	-0.7	12.3
2465.654	10.7	-39.3	-41.4	-2.1	10.9
2465.704	10.7	-39.3	-38.7	0.6	13.6
2465.754	10.7	-39.3	-38.9	0.4	13.4
2465.804	10.7	-39.3	-38.5	0.8	13.8
2465.854	10.7	-39.3	-38.8	0.5	13.5
2465.904	10.7	-39.3	-38.9	0.4	13.4
2465.954	10.7	-39.3	-39.0	0.3	13.3
2466.004	10.7	-39.3	-38.8	0.5	13.5
2466.054	10.7	-39.3	-39.5	-0.2	12.8
2466.104	10.7	-39.3	-39.7	-0.4	12.6
2466.154	10.7	-39.3	-39.7	-0.4	12.6
2466.204	10.7	-39.3	-39.9	-0.6	12.4
2466.254	10.7	-39.3	-39.5	-0.2	12.8
2466.304	10.7	-39.3	-39.5	-0.2	12.8
2466.354	10.7	-39.3	-39.3	0.0	13.0
2466.404	10.7	-39.3	-39.5	-0.2	12.8
2466.454	10.7	-39.3	-39.3	0.0	13.0
2466.504	10.7	-39.3	-39.2	0.1	13.1
2466.554	10.7	-39.3	-38.5	0.8	13.8
2466.604	10.7	-39.3	-38.1	1.2	14.2
2466.654	10.7	-39.3	-38.3	1.0	14.0
2466.704	10.7	-39.3	-37.9	1.4	14.4
2466.754	10.7	-39.3	-37.7	1.6	14.6
2466.804	10.7	-39.3	-37.1	2.2	15.2
2466.854	10.7	-39.3	-37.0	2.3	15.3
2466.904	10.7	-39.3	-36.7	2.6	15.6
2466.954	10.7	-39.3	-36.5	2.8	15.8
2467.004	10.7	-39.3	-35.8	3.5	16.5
2467.054	10.7	-39.3	-35.4	3.9	16.9
2467.104	10.7	-39.3	-34.9	4.4	17.4
2467.154	10.7	-39.3	-33.7	5.6	18.6
2467.204	10.7	-39.3	-32.9	6.4	19.4
2467.254	10.7	-39.3	-32.0	7.3	20.3
2467.304	10.7	-39.3	-30.9	8.4	21.4

LOSSES(dB)

Attenuation	50
System Loss	2
S/N ratio	11

Mj J/S ratio =

CW Noise-SigLevel

ProcessingGain =

Mj J/S ratio + Sytem Loss + S/N ratio

CHANNEL1(2416.128MHz) - Handset output to Base station input

Jammer Freq. (MHz)	Transmitter Outputs (dBm)	Signal Level (dBm)	CW Level (dBm)	Mj J/S ratio (dB)	Processing Gain (dB)
2415.128	8.0	-42.0	-30.3	11.7	24.7
2415.178	8.0	-42.0	-31.9	10.1	23.1
2415.228	8.0	-42.0	-33.0	9.0	22.0
2415.278	8.0	-42.0	-33.7	8.3	21.3
2415.328	8.0	-42.0	-35.2	6.8	19.8
2415.378	8.0	-42.0	-35.9	6.1	19.1
2415.428	8.0	-42.0	-36.7	5.3	18.3
2415.478	8.0	-42.0	-37.7	4.3	17.3
2415.528	8.0	-42.0	-38.0	4.0	17.0
2415.578	8.0	-42.0	-38.5	3.5	16.5
2415.628	8.0	-42.0	-38.6	3.4	16.4
2415.678	8.0	-42.0	-39.0	3.0	16.0
2415.728	8.0	-42.0	-39.0	3.0	16.0
2415.778	8.0	-42.0	-39.5	2.5	15.5
2415.828	8.0	-42.0	-39.6	2.4	15.4
2415.878	8.0	-42.0	-40.0	2.0	15.0
2415.928	8.0	-42.0	-41.1	0.9	13.9
2415.978	8.0	-42.0	-41.1	0.9	13.9
2416.028	8.0	-42.0	-41.5	0.5	13.5
2416.078	8.0	-42.0	-41.2	0.8	13.8
2416.128	8.0	-42.0	-40.9	1.1	14.1
2416.178	8.0	-42.0	-41.1	0.9	13.9
2416.228	8.0	-42.0	-41.6	0.4	13.4
2416.278	8.0	-42.0	-41.5	0.5	13.5
2416.328	8.0	-42.0	-41.7	0.3	13.3
2416.378	8.0	-42.0	-41.2	0.8	13.8
2416.428	8.0	-42.0	-41.1	0.9	13.9
2416.478	8.0	-42.0	-41.3	0.7	13.7
2416.528	8.0	-42.0	-41.3	0.7	13.7
2416.578	8.0	-42.0	-41.3	0.7	13.7
2416.628	8.0	-42.0	-41.2	0.8	13.8
2416.678	8.0	-42.0	-40.9	1.1	14.1
2416.728	8.0	-42.0	-40.5	1.5	14.5
2416.778	8.0	-42.0	-40.8	1.2	14.2
2416.828	8.0	-42.0	-41.9	0.1	13.1
2416.878	8.0	-42.0	-41.5	0.5	13.5
2416.928	8.0	-42.0	-40.2	1.8	14.8
2416.978	8.0	-42.0	-38.0	4.0	17.0
2417.028	8.0	-42.0	-36.7	5.3	18.3
2417.078	8.0	-42.0	-35.3	6.7	19.7
2417.128	8.0	-42.0	-34.2	7.8	20.8

LOSSES(dB)

Attenuation	50
System Loss	2
S/N ratio	11

Mj J/S ratio =

CW Noize-SigLevel

ProcessingGain =

Mj J/S ratio + Sytem Loss + S/N ratio

CHANNEL16(2446.848MHz) - Handset output to Base station input

Jammer Freq. (MHz)	Transmitter Outputs (dBm)	Signal Level (dBm)	CW Level (dBm)	Mj J/S ratio (dB)	Processing Gain (dB)
2445.848	8.3	-41.7	-30.2	11.5	24.5
2445.898	8.3	-41.7	-31.6	10.1	23.1
2445.948	8.3	-41.7	-32.8	8.9	21.9
2445.998	8.3	-41.7	-33.6	8.1	21.1
2446.048	8.3	-41.7	-35.0	6.7	19.7
2446.098	8.3	-41.7	-35.8	5.9	18.9
2446.148	8.3	-41.7	-36.5	5.2	18.2
2446.198	8.3	-41.7	-37.5	4.2	17.2
2446.248	8.3	-41.7	-37.9	3.8	16.8
2446.298	8.3	-41.7	-38.4	3.3	16.3
2446.348	8.3	-41.7	-38.4	3.3	16.3
2446.398	8.3	-41.7	-38.8	2.9	15.9
2446.448	8.3	-41.7	-38.9	2.8	15.8
2446.498	8.3	-41.7	-39.2	2.5	15.5
2446.548	8.3	-41.7	-39.5	2.2	15.2
2446.598	8.3	-41.7	-39.9	1.8	14.8
2446.648	8.3	-41.7	-41.0	0.7	13.7
2446.698	8.3	-41.7	-40.8	0.9	13.9
2446.748	8.3	-41.7	-41.3	0.4	13.4
2446.798	8.3	-41.7	-41.0	0.7	13.7
2446.848	8.3	-41.7	-40.6	1.1	14.1
2446.898	8.3	-41.7	-41.0	0.7	13.7
2446.948	8.3	-41.7	-41.4	0.3	13.3
2446.998	8.3	-41.7	-41.3	0.4	13.4
2447.048	8.3	-41.7	-41.6	0.1	13.1
2447.098	8.3	-41.7	-41.1	0.6	13.6
2447.148	8.3	-41.7	-41.0	0.7	13.7
2447.198	8.3	-41.7	-41.2	0.5	13.5
2447.248	8.3	-41.7	-41.1	0.6	13.6
2447.298	8.3	-41.7	-41.1	0.6	13.6
2447.348	8.3	-41.7	-41.0	0.7	13.7
2447.398	8.3	-41.7	-40.6	1.1	14.1
2447.448	8.3	-41.7	-40.3	1.4	14.4
2447.498	8.3	-41.7	-40.5	1.2	14.2
2447.548	8.3	-41.7	-41.8	-0.1	12.9
2447.598	8.3	-41.7	-41.4	0.3	13.3
2447.648	8.3	-41.7	-40.1	1.6	14.6
2447.698	8.3	-41.7	-37.7	4.0	17.0
2447.748	8.3	-41.7	-36.4	5.3	18.3
2447.798	8.3	-41.7	-35.0	6.7	19.7
2447.848	8.3	-41.7	-33.9	7.8	20.8

LOSSES(dB)

Attenuation	50
System Loss	2
S/N ratio	11

Mj J/S ratio =

CW Noize-SigLevel

ProcessingGain =

Mj J/S ratio + Sytem Loss + S/N ratio

CHANNEL30(2475.520MHz) - Handset output to Base station input

Jammer Freq. (MHz)	Transmitter Outputs (dBm)	Signal Level (dBm)	CW Level (dBm)	Mj J/S ratio (dB)	Processing Gain (dB)
2474.520	10.9	-39.1	-28.3	10.8	23.8
2474.570	10.9	-39.1	-29.8	9.3	22.3
2474.620	10.9	-39.1	-31.1	8.0	21.0
2474.670	10.9	-39.1	-31.8	7.3	20.3
2474.720	10.9	-39.1	-33.3	5.8	18.8
2474.770	10.9	-39.1	-34.1	5.0	18.0
2474.820	10.9	-39.1	-34.8	4.3	17.3
2474.870	10.9	-39.1	-35.8	3.3	16.3
2474.920	10.9	-39.1	-36.2	2.9	15.9
2474.970	10.9	-39.1	-36.7	2.4	15.4
2475.020	10.9	-39.1	-36.6	2.5	15.5
2475.070	10.9	-39.1	-37.0	2.1	15.1
2475.120	10.9	-39.1	-37.1	2.0	15.0
2475.170	10.9	-39.1	-37.4	1.7	14.7
2475.220	10.9	-39.1	-37.6	1.5	14.5
2475.270	10.9	-39.1	-38.1	1.0	14.0
2475.320	10.9	-39.1	-39.4	-0.3	12.7
2475.370	10.9	-39.1	-39.2	-0.1	12.9
2475.420	10.9	-39.1	-39.6	-0.5	12.5
2475.470	10.9	-39.1	-39.3	-0.2	12.8
2475.520	10.9	-39.1	-39.0	0.1	13.1
2475.570	10.9	-39.1	-39.3	-0.2	12.8
2475.620	10.9	-39.1	-39.7	-0.6	12.4
2475.670	10.9	-39.1	-39.6	-0.5	12.5
2475.720	10.9	-39.1	-39.9	-0.8	12.2
2475.770	10.9	-39.1	-39.5	-0.4	12.6
2475.820	10.9	-39.1	-39.4	-0.3	12.7
2475.870	10.9	-39.1	-39.5	-0.4	12.6
2475.920	10.9	-39.1	-39.4	-0.3	12.7
2475.970	10.9	-39.1	-39.3	-0.2	12.8
2476.020	10.9	-39.1	-39.3	-0.2	12.8
2476.070	10.9	-39.1	-39.0	0.1	13.1
2476.120	10.9	-39.1	-38.5	0.6	13.6
2476.170	10.9	-39.1	-38.8	0.3	13.3
2476.220	10.9	-39.1	-40.0	-0.9	12.1
2476.270	10.9	-39.1	-39.7	-0.6	12.4
2476.320	10.9	-39.1	-38.5	0.6	13.6
2476.370	10.9	-39.1	-35.9	3.2	16.2
2476.420	10.9	-39.1	-34.7	4.4	17.4
2476.470	10.9	-39.1	-33.2	5.9	18.9
2476.520	10.9	-39.1	-32.0	7.1	20.1

LOSSES(dB)

Attenuation	50
System Loss	2
S/N ratio	11

Mj J/S ratio =

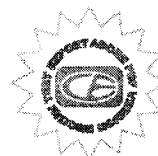
CW Noize-SigLevel

ProcessingGain =

Mj J/S ratio + Sytem Loss + S/N ratio

APPENDIX E

CHANNEL NUMBER AND FREQUENCIES OF THE EUT



FREQUENCY TABLE

Channel	BASE (TX Frequency)	PORTABLE (TX Frequency)
1	2406.912MHz	2416.128MHz
2	2408.960MHz	2418.176MHz
3	2411.008MHz	2420.224MHz
4	2413.056MHz	2422.272MHz
5	2415.104MHz	2424.320MHz
6	2417.152MHz	2426.368MHz
7	2419.200MHz	2428.416MHz
8	2421.248MHz	2430.464MHz
9	2423.296MHz	2432.512MHz
10	2425.344MHz	2434.560MHz
11	2427.392MHz	2436.608MHz
12	2429.440MHz	2438.656MHz
13	2431.488MHz	2440.704MHz
14	2433.536MHz	2442.752MHz
15	2435.584MHz	2444.800MHz
16	2437.632MHz	2446.848MHz
17	2439.680MHz	2448.896MHz
18	2441.728MHz	2450.944MHz
19	2443.776MHz	2452.992MHz
20	2445.824MHz	2455.040MHz
21	2447.872MHz	2457.088MHz
22	2449.920MHz	2459.136MHz
23	2451.968MHz	2461.184MHz
24	2454.016MHz	2463.232MHz
25	2456.064MHz	2465.280MHz
26	2458.112MHz	2467.328MHz
27	2460.160MHz	2469.376MHz
28	2462.208MHz	2471.424MHz
29	2464.256MHz	2473.472MHz
30	2466.304MHz	2475.520MHz

TABLE 1