FCC ID: QVJSM110T

FleetLink M1 OBC, Model S-M1-10-T

Exhibit 2g

Engineering Report on

Processing Gain

proxim

DATE: 6-24-94

APPENDIX B

TEST RESULTS: JAMMING MARGINS FOR RXA-300 SPREAD SPECTRUM TRANCIEVERS.

JAMMING MARGIN (dB)

Test Frequency = 915 MHz
Test Frequency range =+- 1.4 MHz

Frequency Offset (MHz)	Unit #1 SN# 4889	Unit #2 SN# 4912	Unit #3 SN# 4941
1.40	3.8	3.0	2.4
1.35	3.5	3.0	2.2
1.30	3.1	2.9	2.0
1.25	3.0	2.7	1.8
1.20	2.8	2.6	1.6
1.15	2.7	2.2	1.5
1.10	2.6	2.0	1.5
1.05	2.5	1.8	1.2
1.00	2.2	1.6	0.9
0.95	2.2	1.5	0.8
0.90	1.9	1.6	0.7
0.85	1.8	1.6	0.8
0.80	1.8	1.5	0.6
0.75	2.0	1.7	0.7
0.70	1.9	1.6	0.5
0.65	2.1	1.4	0.3
0.60	2.0	1.4	0.9
0.55	1.9	1.3	0.7
0.50	1.7	1.0	-0.2
0.45	1.2	0.9	0.0
0.40	1.0	0.7	0.2
0.35	0.8	0.4	0.1
0.30	0.0	-0.1	-0.1
0.25	0.0	0.0	-0.2
0.20	-0.4	-0.3	-0.4
0.15	-0.4	-0.3	-0.4
0.10	-0.6	-0.4	-0.5
0.05	-0.9	-0.6	-0.6
0.00	-0.7	-0.5	-0.5
-0.05	-1.1	-0.5	-0.4
-0.10	-0.7	-0.4	-0.3
-0.15	-0.8	-0.6	-0.4
-0.20	-1.1	-0.8	-0.6
-0.25	-1.0	-0.6	-0.6
-0.30	-0.8	-0.5	-0.5
-0.35	-0.7	-0.5	-0.3
-0.40	-0.7	-0.8	-0.4
-0.45	-1.2	-0.7	-0.8
-0.50	-1.0	-0.5	-0.5
-0.55	-1.2	-0.7	-0.4
-0.60	-0.9	-0.4	-0.4
-0.65	-1.0	-0.6	-0.4
-0.70	-1.3	-0.8	-0.6
-0.75	-1.1	-0.7	-0.2
-0.80	-1.4	-0.6	-0.3
-0.85	-1.3	-0.5	-0.1
-0.90	-1.6	-0.4	0.1
-0.95	-0.7	-0.3	0.5
-1.00	-0.5	0.2	0.9
-1.05	-0.3	0.4	1.2
-1.10	-0.2	0.5	1.5
-1.15	-0.2	0.8	1.7
-1.20	0.0	0.9	2.1
-1.25	0.2	1.1	2.3
-1.30	0.6	1.4	2.5
-1.35	1.3	1.9	2.6
-1.40	1.8	2.3	3.2

Proxim, Inc.
295 North Bernardo Avenue
Mountain View, CA 94043
(415) 960-1630 Fax: (415) 964-5181

JAMMING MARGIN (dB) Mj PROCESSING GAIN (dB) Gp

Test Frequency = 915 MHz Formula for Processing gain Gp-[Lsys + (S/N)out]= Mj
Test Frequency range =+- 1.4 MHz Where Lsys=0dB (worst case) (S/N)out= 13dB for 10-5 BER

Frequency Offset (MHz)	Unit #1 Jamming Margin	Unit #1 Processing gain	Unit #2 Jamming Margin	Unit #2 Processing gain	Unit #3 Jamming Margin	Unit #3 Processing gain
1.40	3.8	16.8	3.0	16.0	2.4	15.4
1.35	3.5	16.5	3.0	16.0	2.2	15.2
1.30	3.1	16.1	2.9	15.9	2.0	15.0
1.25	3.0	16.0	2.7	15.7	1.8	14.8
1.20	2.8	15.8	2.6	15.6	1.6	14.6
1.15	2.7	15.7	2.2	15.2	1.5	14.5
1.10	2.6	15.6	2.0	15.0	1.5	14.5
1.05	2.5	15.5	1.8	14.8	1.2	14.2
1.00	2.2	15.2	1.6	14.6	0.9	13.9
0.95	2.2	15.2	1.5	14.5	0.8	13.8
0.90	1.9	14.9	1.6	14.6	0.7	13.7
0.85	1.8	14.8	1.6	14.6	0.8	13.8
0.80	1.8	14.8	1.5	14.5	0.6	13.6
0.75	2.0	15.0	1.7	14.7	0.7	13.7
0.70	1.9	14.9	1.6	14.6	0.5	13.5
0.65	2.1	15.1	1.4	14.4	0.3	13.3
0.60	2.0	15.0	1.4	14.4	0.9	13.9
0.55	1.9	14.9	1.3	14.3	0.7	13.7
0.50	1.7	14.7	1.0	14.0	-0.2	12.8
0.45	1.2	14.2	0.9	13.9	0.0	13.0
0.40	1.0	14.0	0.7	13.7	0.2	13.2
0.35	0.8	13.8	0.4	13.4	0.1	13.1
0.30	0.0	13.0	-0.1	12.9	-0.1	12.9
0.25	0.0	13.0	0.0	13.0	-0.2	12.8
0.20	-0.4	12.6	-0.3	12.7	-0.4	12.6
0.15	-0.4	12.6	-0.3	12.7	-0.4	12.6
0.10	-0.6	12.4	-0.4	12.6	-0.5	12.5
0.05	-0.9	12.1	-0.6	12.4	-0.6	12.4
0.00	-0.7	12.3	-0.5	12.5	-0.5	12.5
-0.05	-1.1	11.9	-0.5	12.5	-0.4	12.6
-0.10	-0.7	12.3	-0.4	12.6	-0.3	12.7
-0.15	-0.8	12.2	-0.6	12.4	-0.4	12.6
-0.20	-1.1	11.9	-0.8	12.2	-0.6	12.4
-0.25	-1.0	12.0	-0.6	12.4	-0.6	12.4
-0.30	-0.8	12.2	-0.5	12.5	-0.5	12.5
-0.35	-0.7	12.3	-0.5	12.5	-0.3	12.7
-0.40	-0.7	12.3	-0.8	12.2	-0.4	12.6
-0.45	-1.2	11.8	-0.7	12.3	-0.8	12.2
-0.50	-1.0	12.0	-0.5	12.5	-0.5	12.5
-0.55	-1.2	11.8	-0.7	12.3	-0.4	12.6
-0.60	-0.9	12.1	-0.4	12.6	-0.4	12.6
-0.65	-1.0	12.0	-0.6	12.4	-0.4	12.6
-0.70	-1.3	11.7	-0.8	12.2	-0.6	12.4
-0.75	-1.1	11.9	-0.7	12.3	-0.2	12.8
-0.80	-1.4	11.6	-0.6	12.4	-0.3	12.7
-0.85	-1.3	11.7	-0.5	12.5	-0.1	12.9
-0.90	-1.6	11.4	-0.4	12.6	0.1	13.1
-0.95	-0.7	12.3	-0.3	12.7	0.5	13.5
-1.00	-0.5	12.5	0.2	13.2	0.9	13.9
-1.05	-0.3	12.7	0.4	13.4	1.2	14.2
-1.10	-0.2	12.8	0.5	13.5	1.5	14.5
-1.15	-0.2	12.8	0.8	13.8	1.7	14.7
-1.20	0.0	13.0	0.9	13.9	2.1	15.1
-1.25	0.2	13.2	1.1	14.1	2.3	15.3
-1.30	0.6	13.6	1.4	14.4	2.5	15.5
-1.35	1.3	14.3	1.9	14.9	2.6	15.6
-1.40	1.8	14.8	2.3	15.3	3.2	16.2

DATE: 6-24-94

APPENDIX A