



APPENDIX F

RESTRICTED BAND MEASUREMENTS

CLIENT: WIRELESS, INC.
PRODUCT: *N2-X ETHERNET EXTENDER (BRIDGE)*
REPORT FILE: 9080501A
FILE NAME: APPENDIX F
DATE: 9/12/99
SUBMITTED BY: ELECTRONIC COMPLIANCE LABORATORIES, INC.
EC LABS, INC.

ELECTRONIC COMPLIANCE LABORATORIES, INC.
1249 BIRCHWOOD DRIVE, SUNNYVALE, CALIFORNIA 94089
408 / 747-1490 { HYPERLINK [HTTP://WWW.ECLABS.COM](http://www.eclabs.com) } 800 / 707-LABS



CLIENT CONFIDENTIAL

Electronic Compliance Laboratories, Inc.
1249 Birchwood Drive, Sunnyvale, California 94089
408 / 747-1490 **www.eclabs.com** 800 / 707-LABS

EUT / Client Information

Client Name: WireLess, Inc.

E.U.T Name: N2-X 5.3 GHz

Serial Number: 001

FCC ID: EV9N2X5-3S1-16B

**Restricted Band
Measurements**

Test Information

GABRIEL ELECTRONICS, INC. 2' PARABOLIC DISH, DFPD 2-52

FREQ MHZ	READING dBuV	PK. or AVG.	A.F dB	CABLE dB	FILTER dB	AMP dB	TOTAL dBuV/m	LIMIT dBuV/m	DELTA dB
FUND = 5301.8									
10603.52	38.2	PK	39.6	21.8	35.0	0.0	64.5	74.0	-9.5
10603.52	21.2	AVG	39.6	21.8	35.0	0.0	47.5	54.0	-6.5
15905.28	36.3	PK	41.7	30.1	35.0	0.0	73.2	74.0	-0.8
15905.28	16.0	AVG	41.7	30.1	35.0	0.0	52.8	54.0	-1.2
21207.04	38.0	PK	40.3	30.1	35.0	0.0	73.4	74.0	-0.6
21207.04	16.5	AVG	40.3	30.1	35.0	0.0	51.9	54.0	-2.1
FUND = 5260.8									
10521.6	38.8	PK	39.6	21.3	35.0	0.0	64.8	74.0	-9.3
10521.6	26.7	AVG	39.6	21.3	35.0	0.0	52.6	54.0	-1.4
15782.4	36.5	PK	41.7	30.1	35.0	0.0	73.3	74.0	-0.7
15782.4	16.8	AVG	41.7	30.1	35.0	0.0	53.7	54.0	-0.3
21043.2	31.8	PK	40.3	30.1	35.0	0.0	67.3	74.0	-6.7
21043.2	16.8	AVG	40.3	30.1	35.0	0.0	52.3	54.0	-1.7
26304	30.5	PK	40.5	30.1	35.0	0.0	66.1	74.0	-7.9
26304	16.7	AVG	40.5	30.1	35.0	0.0	52.3	54.0	-1.7
31564.8	30.7	PK	0.0	30.1	35.0	0.0	25.8	74.0	-48.2
31564.8	12.3	AVG	0.0	30.1	35.0	0.0	7.5	54.0	-46.5
FUND = 5332.5									
10664.96	30.5	PK	39.6	22.0	35.0	0.0	57.1	74.0	-16.9
10664.96	21.7	AVG	39.6	22.0	35.0	0.0	48.2	54.0	-5.8
15997.44	37.8	PK	41.7	30.1	35.0	0.0	74.7	74.0	0.7
15997.44	16.7	AVG	41.7	30.1	35.0	0.0	53.5	54.0	-0.5
21329.92	36.8	PK	40.3	30.1	35.0	0.0	72.2	74.0	-1.8
21329.92	17.3	AVG	40.3	30.1	35.0	0.0	52.8	54.0	-1.2

NO EMISSIONS DETECTED ABOVE THE 4TH HARMONIC...

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EUT / Client Information

Client Name: WireLess, Inc.

E.U.T Name: N2-X 5.3 GHz

Serial Number: 001

FCC ID: EV9N2X5-3S1-16B

**Restricted Band
Measurements**

Test Information

GABRIEL ELECTRONICS, INC. 1' FLAT PANEL, DFPD 1-52

FREQ MHZ	READING dBuV	PK. or AVG.	A.F dB	CABLE dB	FILTER dB	AMP dB	TOTAL dBuV/m	LIMIT dBuV/m	DELTA dB
FUND = 5301.8									
10603.52	37.3	PK	39.6	21.8	35.0	0.0	63.7	74.0	-10.3
10603.52	17.2	AVG	39.6	21.8	35.0	0.0	43.5	54.0	-10.5
15905.28	36.7	PK	41.7	30.1	35.0	0.0	73.5	74.0	-0.5
15905.28	17.2	AVG	41.7	30.1	35.0	0.0	54.0	54.0	0.0
21207.04	36.5	PK	40.3	30.1	35.0	0.0	71.9	74.0	-2.1
21207.04	16.7	AVG	40.3	30.1	35.0	0.0	52.1	54.0	-1.9
FUND = 5260.8									
10521.6	36.2	PK	39.6	21.3	35.0	0.0	62.1	74.0	-11.9
10521.6	21.7	AVG	39.6	21.3	35.0	0.0	47.6	54.0	-6.4
15782.4	37.2	PK	41.7	30.1	35.0	0.0	74.0	74.0	0.0
15782.4	12.0	AVG	41.7	30.1	35.0	0.0	48.8	54.0	-5.2
21043.2	36.7	PK	40.3	30.1	35.0	0.0	72.1	74.0	-1.9
21043.2	17.2	AVG	40.3	30.1	35.0	0.0	52.6	54.0	-1.4
FUND = 5332.5									
10664.96	46.5	PK	39.6	22.0	35.0	0.0	73.1	74.0	-0.9
10664.96	21.5	AVG	39.6	22.0	35.0	0.0	48.1	54.0	-5.9
15997.44	32.2	PK	41.7	30.1	35.0	0.0	69.0	74.0	-5.0
15997.44	15.8	AVG	41.7	30.1	35.0	0.0	52.7	54.0	-1.3
21329.92	37.3	PK	40.3	30.1	35.0	0.0	72.8	74.0	-1.2
21329.92	15.8	AVG	40.3	30.1	35.0	0.0	51.3	54.0	-2.7

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EUT / Client Information

Client Name: WireLess, Inc.

E.U.T Name: N2-X 5.3 GHz

Serial Number: 001

FCC ID: EV9N2X5-3S1-16B

**Restricted Band
Measurements**

Test Information

GABRIEL ELECTRONICS, INC. .5' FLAT PANEL, DFPD .552

FREQ MHZ	READING dBuV	PK. or AVG.	A.F dB	CABLE dB	FILTER dB	AMP dB	TOTAL dBuV/m	LIMIT dBuV/m	DELTA dB
FUND = 5301.8									
10603.52	37.3	PK	39.6	21.8	35.0	0.0	63.7	74.0	-10.3
10603.52	17.0	AVG	39.6	21.8	35.0	0.0	43.4	54.0	-10.6
15905.28	36.0	PK	41.7	30.1	35.0	0.0	72.8	74.0	-1.2
15905.28	17.0	AVG	41.7	30.1	35.0	0.0	53.8	54.0	-0.2
21207.04	34.0	PK	40.3	30.1	35.0	0.0	69.4	74.0	-4.6
21207.04	16.8	AVG	40.3	30.1	35.0	0.0	52.3	54.0	-1.7
FUND = 5260.8									
10521.6	42.7	PK	39.6	21.3	35.0	0.0	68.6	74.0	-5.4
10521.6	16.3	AVG	39.6	21.3	35.0	0.0	42.3	54.0	-11.8
15782.4	35.8	PK	41.7	30.1	35.0	0.0	72.7	74.0	-1.3
15782.4	16.8	AVG	41.7	30.1	35.0	0.0	53.7	54.0	-0.3
21043.2	31.5	PK	40.3	30.1	35.0	0.0	66.9	74.0	-7.1
21043.2	17.2	AVG	40.3	30.1	35.0	0.0	52.6	54.0	-1.4
FUND = 5332.5									
10664.96	37.7	PK	39.6	22.0	35.0	0.0	64.2	74.0	-9.8
10664.96	12.7	AVG	39.6	22.0	35.0	0.0	39.2	54.0	-14.8
15997.44	36.8	PK	41.7	30.1	35.0	0.0	73.7	74.0	-0.3
15997.44	16.5	AVG	41.7	30.1	35.0	0.0	53.3	54.0	-0.7
21329.92	33.3	PK	40.3	30.1	35.0	0.0	68.8	74.0	-5.2
21329.92	17.2	AVG	40.3	30.1	35.0	0.0	52.6	54.0	-1.4

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EUT / Client Information

Client Name: WireLess, Inc.

E.U.T Name: N2-X 5.3 GHz

Serial Number: 001

FCC ID: EV9N2X5-3S1-16B

**Restricted Band
Measurements**

Test Information

GABRIEL ELECTRONICS, INC. 2' FLAT PANEL, DFPD 2-52

FREQ MHZ	READING dBuV	PK. or AVG.	A.F dB	CABLE dB	FILTER dB	AMP dB	TOTAL dBuV/m	LIMIT dBuV/m	DELTA dB
FUND = 5301.8									
10603.52	37.8	PK	39.6	21.8	35.0	0.0	64.2	74.0	-9.8
10603.52	17.2	AVG	39.6	21.8	35.0	0.0	43.5	54.0	-10.5
15905.28	36.8	PK	41.7	30.1	35.0	0.0	73.6	74.0	-0.4
15905.28	17.2	AVG	41.7	30.1	35.0	0.0	54.0	54.0	0.0
21207.04	38.0	PK	40.3	30.1	35.0	0.0	73.4	74.0	-0.6
21207.04	18.0	AVG	40.3	30.1	35.0	0.0	53.4	54.0	-0.6
FUND = 5260.8									
10521.6	36.7	PK	39.6	21.3	35.0	0.0	62.6	74.0	-11.4
10521.6	17.3	AVG	39.6	21.3	35.0	0.0	43.3	54.0	-10.8
15782.4	37.2	PK	41.7	30.1	35.0	0.0	74.0	74.0	0.0
15782.4	12.8	AVG	41.7	30.1	35.0	0.0	49.7	54.0	-4.3
21043.2	37.2	PK	40.3	30.1	35.0	0.0	72.6	74.0	-1.4
21043.2	17.2	AVG	40.3	30.1	35.0	0.0	52.6	54.0	-1.4
FUND = 5332.5									
10664.96	40.0	PK	39.6	22.0	35.0	0.0	66.6	74.0	-7.4
10664.96	20.5	AVG	39.6	22.0	35.0	0.0	47.1	54.0	-6.9
15997.44	31.2	PK	41.7	30.1	35.0	0.0	68.0	74.0	-6.0
15997.44	16.2	AVG	41.7	30.1	35.0	0.0	53.0	54.0	-1.0
21329.92	37.3	PK	40.3	30.1	35.0	0.0	72.8	74.0	-1.2
21329.92	17.2	AVG	40.3	30.1	35.0	0.0	52.6	54.0	-1.4

NO EMISSIONS DETECTED ABOVE THE 4TH HARMONIC...

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