



APPENDIX A

EMISSIONS RADIATED AND CONDUCTED MEASUREMENTS

CLIENT:	WIRELESS, INC.
PRODUCT:	<i>N2-X ETHERNET EXTENDER (BRIDGE)</i>
REPORT FILE:	9080502A
FILE NAME:	APPENDIX A
DATE:	9/12/99
SUBMITTED BY:	ELECTRONIC COMPLIANCE LABORATORIES, INC. EC LABS, INC.



Electronic Compliance Laboratories, Inc.
1249 Birchwood Ave.
Sunnyvale, CA 94089

Radiated Emissions

Frequency Range: 30MHz-1000MHz

10 Meter Open Site
Site Calibrated: June 1998

Government Agency and Limit: FCC Class A

Customer wireless

Date: 11/15/99

:

EUT: 5.7GHZ

Time: 6:19 PM

Serial E9910001

Operator: JOOK

Number:

r:

Support Support Peripherals

Devices:

Serial Peripheral Serial Numbers

Number:

Exercise Test Software

Temperature (f):

Program:

EUT / Test Configuration

Humidity (%):

Configuration:

Frequency (MHz)	Amplitude (dBuV/m)	Table Degrees	Antenna Height	Antenna Polarity	Detector Mode	10 Meter Reading	30 Meter Reading	Class A Limit	Margin (dB)
44.65	45.37	0.00	1.50	Vert	PK	32.45	22.91	39.08	-6.63
50.23	42.34	0.00	1.50	Vert	PK	27.32	17.78	39.08	-11.76
125.34	28.73	0.00	1.50	Vert	PK	18.85	9.31	43.52	-24.68
140.00	28.08	180.00	1.50	Vert	PK	18.99	9.45	43.52	-24.53
154.83	30.21	90.00	1.50	Vert	PK	21.51	11.97	43.52	-22.01
190.00	27.89	0.00	1.50	Vert	PK	20.01	10.47	43.52	-23.52
215.80	31.33	0.00	1.50	Vert	PK	23.77	14.23	43.52	-19.75
225.93	32.65	90.00	1.50	Vert	PK	25.05	15.51	46.44	-21.39
230.30	32.77	0.00	1.50	Vert	PK	25.39	15.85	46.44	-21.05
296.00	28.34	0.00	1.50	Vert	PK	24.18	14.64	46.44	-22.26
50.00	26.03	0.00	1.50	H	PK	11.01	1.47	39.08	-28.07
300.01	32.71	0.00	1.50	Vert	PK	24.06	14.52	46.44	-22.38
320.10	31.89	180.00	1.50	Vert	PK	22.52	12.98	46.44	-23.92
353.83	27.63	0.00	1.50	Vert	PK	18.93	9.39	46.44	-27.51
360.00	28.79	0.00	1.50	Vert	PK	20.12	10.58	46.44	-26.32
400.00	29.63	0.00	1.50	Vert	PK	22.24	12.70	46.44	-24.20
480.00	28.17	0.00	1.50	Vert	PK	22.92	13.38	46.44	-23.53
585.00	26.89	0.00	1.50	Vert	PK	23.17	13.63	46.44	-23.27
590.40	34.04	0.00	1.50	Vert	PK	30.44	20.90	46.44	-16.00

EV9N2X5-7S1-16B
WIRELESS, INC.

631.75	33.48	0.00	1.50	Vert	PK	30.57	21.03	46.44	-15.87
720.00	25.88	0.00	1.50	Vert	PK	25.18	15.64	46.44	-21.26
845.03	25.45	0.00	1.50	Vert	PK	25.95	16.41	46.44	-20.49
965.00	25.22	90.00	1.50	Vert	PK	27.58	18.04	49.54	-21.96

Electronic Compliance Laboratories, Inc.
1249 Birchwood Ave.
Sunnyvale, CA 94089

Conducted Emissions

Frequency Range: 450KHz-30MHz

10 Meter Open Site
Site Calibrated: June 1998

Government Agency and Limit: FCC Class A

NOTES: No readings over limit

TEST FREQ	TEST dBuV	CLASS A LIMIT	VERSUS A LIMIT	CONDUCTOR	DETECTOR TYPE*
0.890	6.6	60.0	-53.4	LINE	PK
13.970	5.1	69.5	-64.4	LINE	PK
23.870	3.3	69.5	-66.2	LINE	PK
15.890	3.4	69.5	-66.1	LINE	PK
0.970	9.7	60.0	-50.3	NEUTRAL	PK
1.710	6.2	69.5	-63.3	NEUTRAL	PK
13.970	6.7	69.5	-62.8	NEUTRAL	PK
16.260	4.8	69.5	-64.7	NEUTRAL	PK
25.050	38.4	69.5	-31.1	NEUTRAL	PK
24.240	37.5	69.5	-32.0	NEUTRAL	PK
24.680	35.7	69.5	-33.8	NEUTRAL	PK
6.060	35.9	69.5	-33.6	NEUTRAL	PK
6.140	35.6	69.5	-33.9	LINE	PK
24.310	36.2	69.5	-33.3	LINE	PK
0.450	34.1	60.0	-25.9	LINE	PK
25.120	40.0	69.5	-29.5	LINE	PK

*QP= Quasi-Peak P= Peak

QP = Quasi-Peak

PK = Peak

Note: Ignore peak readings when Quasi-Peak reading exists

 13:54:20 JUL 30, 1999
NEGATIVE CONDUCTOR 24VDC

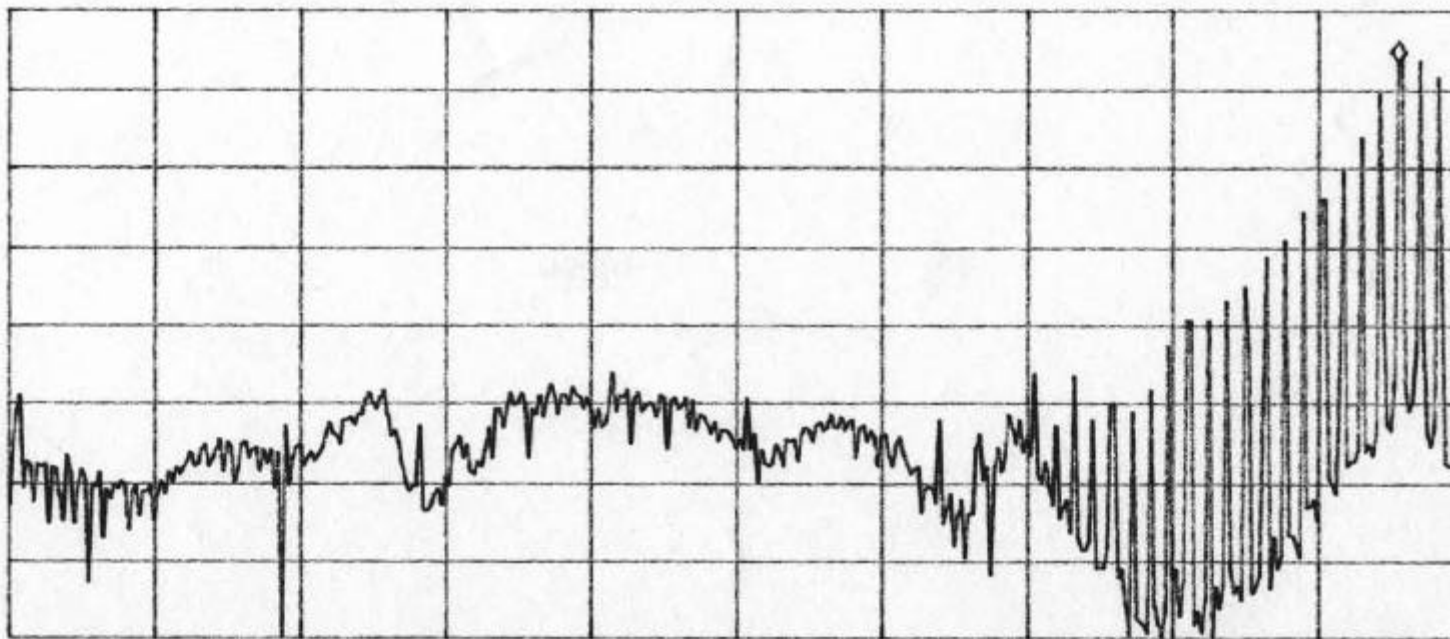
ADRS / OPERATION

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 20.81 MHz
53.13 dB μ V

LOG REF 56.5 dB μ V

5
dB/
ATN
10 dB

VA SB
SC FC
ACORR



START 450 kHz

IF BW 9.0 kHz

AVG BW 30 kHz

STOP 30.15 MHz

SWP 2.47 sec

 13:38:59 JUL 30, 1999
POSITIVE CONDUCTOR 24VDC

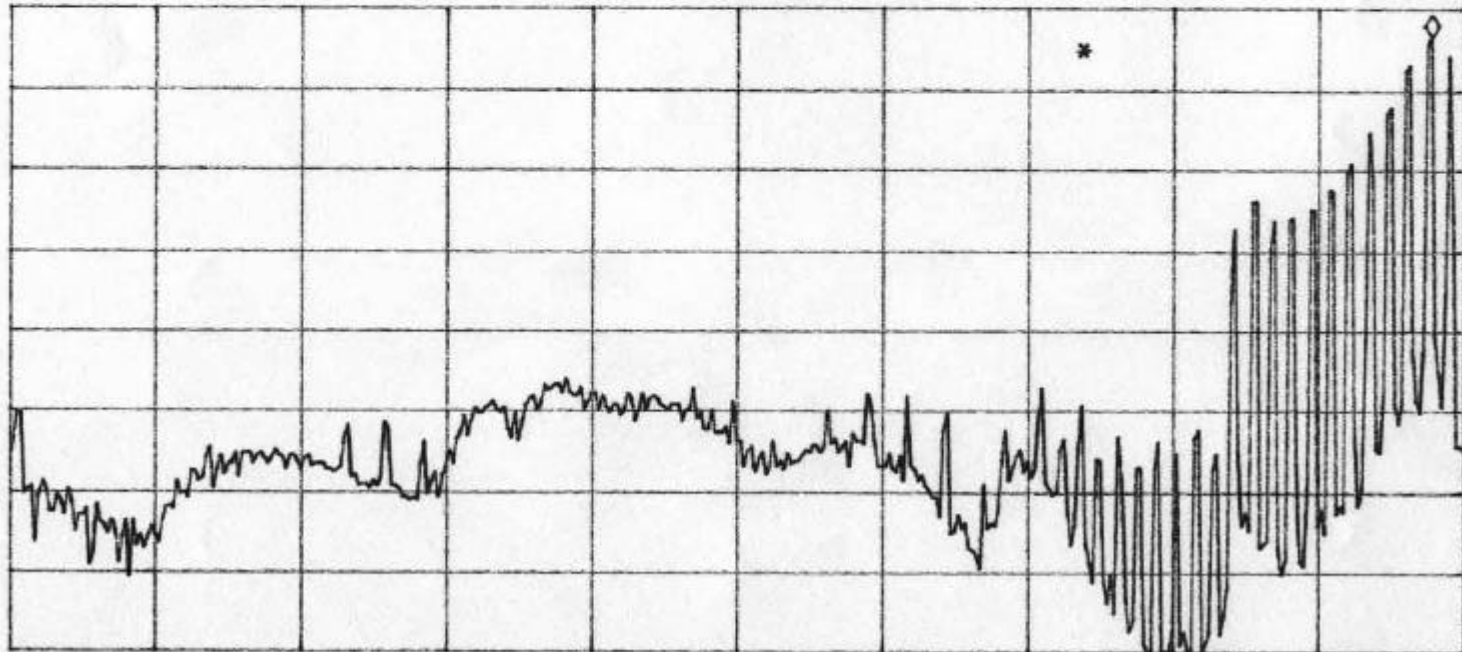
ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 29.48 MHz
54.73 dB μ V

LOG REF 56.5 dB μ V

5
dB/
ATN
10 dB

VA SB
SC FC
ACORR

START 600 kHz IF BW 9.0 kHz AVG BW 30 kHz STOP 30.15 MHz
SWP 2.46 sec



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