

## APPENDIX A

### EMISSIONS RADIATED AND CONDUCTED MEASUREMENTS

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



EV9N2X5-3S1-16B  
WIRELESS, INC.

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ELECTRONIC COMPLIANCE LABORATORIES, INC.  
1249 BIRCHWOOD AVE.  
SUNNYVALE, CA 94089

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RADIATED EMISSIONS

FREQUENCY RANGE: 30MHz-1000MHz

10 METER OPEN SITE  
SITE CALIBRATED: JUNE 1998

GOVERNMENT AGENCY AND LIMIT: FCC CLASS A

TEST FREQ	TEST dBuV	ACTUAL dBuV/m	CLASS A LIMIT	VERSUS A LIMIT	TABLE DEGREES	ANTENNA HEIGHT	POLAR- IZATION
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**NO EMISSIONS FOUND ABOVE NOISE FLOOR FOR BOTH VERTICAL AND HORIZONTAL  
POLARIZATIONS**

Number of readings over limit 0

Number of readings within 6 or less of limit: 0

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

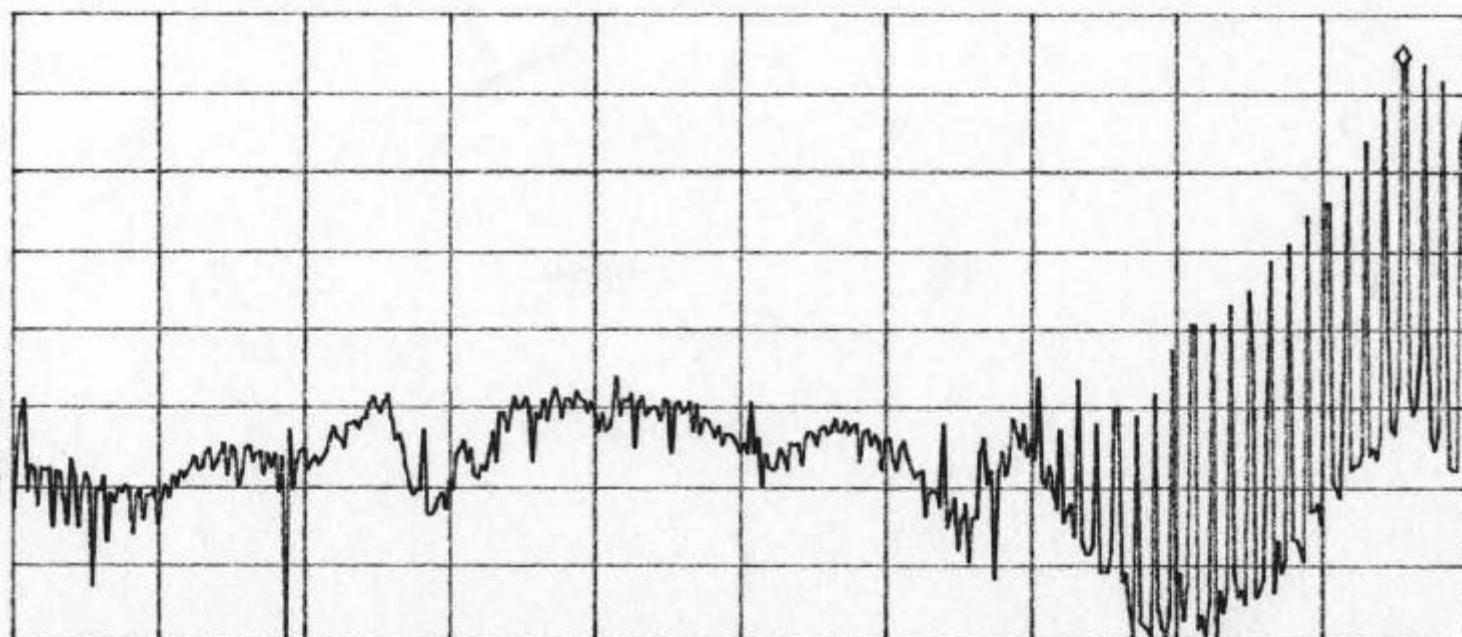
ACTV DET: PEAK  
MEAS DET: PEAK QP AVG  
MKR 28.81 MHz  
53.13 dB $\mu$ V

LOG REF 56.5 dB $\mu$ 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 $\mu$ V

LOG REF 56.5 dB $\mu$ 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

