



APPENDIX C

PEAK POWER MEASUREMENTS

Client:	Wireless, Inc. 5452 Betsy Ross Drive, Santa Clara, CA 95054
Contact:	Bill Anderson 408/727-8383
Product:	<i>N2-X 5.3 GHz EtherNet Extender (Bridge)</i>
Report File:	9080501A
File Name:	appendix a5.3
Date:	9/12/99
Submitted By:	Electronic Compliance Laboratories, Inc. 1289 Birchwood Drive, Sunnyvale, California 94089
Contact:	Chip Matheny 408/747-1490



FINAL RESULTS OF MEASUREMENTS

ELECTRONIC COMPLIANCE LABORATORIES, INC. 1249 BIRCHWOOD DRIVE, SUNNYVALE, CALIFORNIA 94089

"NII BAND" CFR 47 FCC PART 15 SUBPART E

** 5.3 GHz POWER MEASUREMENTS

Client Name:	WIRELESS, INC.
E.U.T Name:	N2-X 5.3 GHz (Tx) EtherNet Extender Bridge
Serial Number:	SN # 001
FCC ID number:	EV9N2X5-3S1-16B

RAW DATA @ ANTENNA PORT

Date: 08.27.99

Engineer:

Suresh Kondapolli

TABLE 1

Peak Power Spectral Density

CLIENT Information

Measurements

EIRP / 26 dB BW / PTP / Power Totals Vs. Limits

UNIT BAND		5.3 GHz								CHANNEL 1 FINAL DATA	
		SW1		SW2		SW3		SW4			
		12.63		12.58		12.54		12.58			
		Po (1)		Po (2)		Po (3)		Po (4)			
BW(MHz)=											
5.2608											
		-36.83	0.000	-41.50	0.000	-45.33	0.000	-49.37	0.000	8/23/99	
		-39.37	0.000	-44.00	0.000	-47.18	0.000	-51.17	0.000	REV. C	
		-34.62	0.000	-39.50	0.000	-45.30	0.000	-46.67	0.000		
		-30.33	0.001	-34.83	0.000	-38.67	0.000	-42.33	0.000		
		-19.00	0.013	-22.00	0.006	-25.12	0.003	-28.67	0.001		
		-8.33	0.147	-11.33	0.074	-14.33	0.037	-18.00	0.016		
		-1.62	0.689	-4.50	0.355	-7.50	0.178	-11.00	0.079		
		0.33	1.079	-2.50	0.562	-5.50	0.282	-9.17	0.121		
		1.33	1.358	-1.50	0.708	-4.62	0.345	-8.17	0.152		
		1.00	1.259	-1.83	0.656	-5.00	0.316	-8.50	0.141		
		2.50	1.778	-0.33	0.927	-3.67	0.430	-7.67	0.171		
		1.44	1.393	-1.83	0.656	-5.00	0.316	-8.50	0.141		
		0.83	1.211	-2.00	0.631	-5.12	0.308	-8.67	0.136		
		-0.17	0.962	-2.83	0.521	-5.83	0.261	-9.33	0.117		
		-2.50	0.562	-5.33	0.293	-8.50	0.141	-12.00	0.063		
		-9.33	0.117	-12.32	0.059	-15.56	0.028	-18.83	0.013		
		-20.83	0.008	-24.17	0.004	-27.50	0.002	-30.83	0.001		
		-32.00	0.001	-36.00	0.000	-39.50	0.000	-42.62	0.000		
		-36.67	0.000	-40.67	0.000	-44.50	0.000	-47.50	0.000		
		-40.83	0.000	-45.17	0.000	-49.17	0.000	-52.17	0.000		
		-38.00	0.000	-42.83	0.000	-46.67	0.000	-50.83	0.000		
PTOTAL		-343.00	10.58	-416.97	5.45	-489.57	2.65	-562.00	1.15		

The above Data Table shows the "Raw" measurements recorded directly from the spectrum analyzer when measuring Power across the band in 1MHz steps. These measurements were made at all four (4) power settings. The column to the right of each set of data is the reading converted into milliwatts. The 26 dB Bandwidth measurement is included at the top (MHz).

Measurements directly off of the antenna port with a six (6) foot piece coaxial cable attached. Cable loss is listed on the next TABLE.

Peak Power and the 26 dB Bandwidth measurements were recorded at this time

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

**POWER
Measurements**

Test Information

Date: 8/25/99

CHANNEL 1

5.2608 GHz

Work Order Number: 9071201

Switch SET 1

Tested By: CHiP

RBW: 1 MHz

VBW: 30 kHz

Span: 1 MHz

26 dB BW (MHz) = **12.63**

PTP Limit = **22.01**

Antenna gain (dBi) = **17.5**

Ant. gain - 6dBi(dBi) = **11.5**

PTP Limit - Ant.Gain(dBi) = **10.51**

FREQUENCY (MHz)	Analyzer Reading (dBm)	POWER OUT Pout (mW)	PPSD (dBm)
5.2508	-36.83	0.000	
5.2518	-39.37	0.000	
5.2528	-34.62	0.000	
5.2538	-30.33	0.001	
5.2548	-19.00	0.013	11.33
5.2558	-8.33	0.147	
5.2568	-1.62	0.689	
5.2578	0.33	1.079	
5.2588	1.33	1.358	
5.2598	1.00	1.259	
5.2608	2.50	1.778	14.5
5.2618	1.44	1.393	(dBm)
5.2628	0.83	1.211	
5.2638	-0.17	0.962	
5.2648	-2.50	0.562	
5.2658	-9.33	0.117	
5.2668	-20.83	0.008	11.50
5.2678	-32.00	0.001	11.17
5.2688	-36.67	0.000	
5.2698	-40.83	0.000	
5.2708	-38.00	0.000	
Ptotal (mW) =		10.58	

Note: The above measurements made at the highest Power Setting.

PPSD LIMIT=11.5

Insertion Loss (dB) = Correction Factor= 2.600

Switch SET 1, Highest Power Setting...

Flat Panel 0.5 DFPS.5-52

<u>SUMMARY</u>	<u>Measurement</u>	<u>Limits</u>	<u>DELTA</u>
Ptotal (mW)	10.58	22.01	-11.44
Ptotal (dBm)	7.64	10.51	-2.87
EIRP (dBm)	19.14	27	-7.86

Note: (-) below LIMIT

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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

**POWER
Measurements**

Test Information

CHANNEL 1 FINAL SUMMARY

5.3 GHz

CHANNEL 1

RESULTS

8/26/99

SET #

SW 4

TOTAL PASS

1

PARABOLIC DISH

28.1 dBi

Parabolic

SSP2-52A

SW 1

SW 2

SW 3

SW 4

DATA

Ptotal (mW)

-11.44

-16.55

-19.33

-20.85

VERSUS

Ptotal (dBm)

7.73

4.87

1.75

-1.89

LIMIT

EIRP (dBm)

2.74

-0.14

-3.27

-6.89

SW 4

TOTAL PASS

1

2' FLAT PANEL

27.5 dBi

Flat Panel

DFPD2-52

SW 1

SW 2

SW 3

SW 4

DATA

Ptotal (mW)

-11.44

-16.55

-19.33

-20.85

VERSUS

Ptotal (dBm)

7.13

4.27

1.15

-2.49

LIMIT

EIRP (dBm)

2.14

-0.74

-3.87

-7.49

SW 4

TOTAL PASS

1

1' FLAT PANEL

23.0 dBi

Flat Panel

DFPD1-52

SW 1

SW 2

SW 3

SW 4

DATA

Ptotal (mW)

-11.44

-16.55

-19.33

-20.85

VERSUS

Ptotal (dBm)

2.63

-0.23

-3.35

-2.49

LIMIT

EIRP (dBm)

-2.36

-5.24

-8.37

-7.49

SW 3

SW 4

TOTAL PASS

3

6" FLAT PANEL

17.5 dBi

Flat Panel

DFPS.5-52

SW 1

SW 2

SW 3

SW 4

DATA

Ptotal (mW)

-11.99

-16.13

-19.64

-21.30

VERSUS

Ptotal (dBm)

-3.32

-5.55

-9.06

-12.83

LIMIT

EIRP (dBm)

-7.93

-10.07

-13.60

-17.34

SW 1

SW 2

SW 3

SW 4

TOTAL PASS

4

(-) below LIMIT (+) above LIMIT

(-) below LIMIT (+) above LIMIT

CHANNEL 1 FINAL SUBMITTAL (Antennas)

SUMMARY OF MEASUREMENTS				PASS	FAIL	5.2608 GHz	CHANNEL 1		
ANTENNA MODEL	GAIN	SW1	SW2	SW3	SW4		EIRP	versus	LIMIT
2' Parabolic SSP2-52A	28.1	NO	NO	NO	PASS		P _{TOTAL}	1.15 mW	
GABRIEL Electronics, Inc.	DISH						27dBm	-6.89 dBm	
2' Flat Panel DFPD2-52	27.5	NO	NO	NO	PASS		P _{TOTAL}	1.15 mW	
GABRIEL Electronics, Inc.	FLAT						27dBm	-7.49 dBm	
1' Flat Panel DFPD1-52	23.0	NO	NO	PASS	PASS		P _{TOTAL}	5.45 mW	
GABRIEL Electronics, Inc.	FLAT						27dBm	-5.24 dBm	
.5' Flat Panel DFPD.5-52	17.5	PASS	PASS	PASS	PASS		P _{TOTAL}	10.58 mW	
GABRIEL Electronics, Inc.	FLAT						27dBm	-7.93 dBm	

POWER Measurements

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**POWER
Measurements****Test Information**Date: 8/25/99**CHANNEL 5****5.3017 GHz**Work Order Number: 9071201**Switch SET 1**Tested By: CHiPRBW: 1 MHzVBW: 30 kHzSpan: 1 MHz26 dB BW(MHz) = **12.75**PTP Limit = **22.06**Antenna gain (dBi) = **17.5**Ant. gain - 6dBi(dBi) = **11.5**PTP Limit - Ant.Gain(dBi) = **10.56**

FREQUENCY (MHz)	Analyzer Reading (dBm)	POWER OUT Pout (mW)	PPSD (dBm)
5.2917	-37.83	0.000	
5.2927	-37.00	0.000	
5.2937	-31.33	0.001	
5.2947	-30.17	0.001	
5.2957	-19.50	0.011	11.33
5.2967	-9.00	0.126	
5.2977	-1.17	0.764	
5.2987	0.50	1.122	
5.2997	1.83	1.524	
5.3007	1.00	1.259	
5.3017	2.67	1.849	14.5
5.3027	1.83	1.524	(dBm)
5.3037	1.50	1.413	
5.3047	0.67	1.167	
5.3057	-1.67	0.681	
5.3067	-7.33	0.185	
5.3077	-18.33	0.015	11.50
5.3087	-28.12	0.002	11.17
5.3097	-31.83	0.001	
5.3107	-36.83	0.000	
5.3117	-37.17	0.000	
Ptotal (mW) =		11.64	

Note: The above measurements made at the highest Power Setting.

PPSD LIMIT=11.5

Insertion Loss (dB) = Correction Factor= 2.600**Channel 5 Reference Table****Switch SET 1**

<u>SUMMARY</u>	<u>Measurement</u>	<u>Limits</u>	<u>DELTA</u>
Ptotal (mW)	11.64	22.06	-10.42
Ptotal (dBm)	8.06	10.56	-2.50
EIRP (dBm)	19.56	27	-7.44

Note: (-) below LIMIT

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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
**POWER
Measurements****Test Information****CHANNEL 5 FINAL SUMMARY**

5.3 GHz

CHANNEL 5

N2-X

PARABOLIC DISH

28.1 dBi

Parabolic	SSP2-52A	SW 1	SW 2	SW 3	SW 4
DATA	Ptotal (mW)	-10.41	-15.80	-19.20	-20.87
VERSUS	Ptotal (dBm)	8.11	5.41	2.01	-1.78
LIMIT	EIRP (dBm)	3.16	6.47	3.09	-0.71

SW 4	TOTAL PASS
	1

2' FLAT PANEL

27.5 dBi

Flat Panel	DFPD2-52	SW 1	SW 2	SW 3	SW 4
DATA	Ptotal (mW)	-10.80	-15.80	-19.20	-20.87
VERSUS	Ptotal (dBm)	7.36	4.81	1.41	-2.38
LIMIT	EIRP (dBm)	2.42	-0.13	-3.51	-7.31

SW 4	TOTAL PASS
	1

1' FLAT PANEL

23.0 dBi

Flat Panel	DFPD1-52	SW 1	SW 2	SW 3	SW 4
DATA	Ptotal (mW)	-10.42	-15.80	-19.20	-20.87
VERSUS	Ptotal (dBm)	3.00	0.31	-3.09	-2.38
LIMIT	EIRP (dBm)	-1.94	-4.63	-8.01	-7.31

SW 3	TOTAL PASS
SW 4	2

6" FLAT PANEL

17.5 dBi

Flat Panel	DFPS.5-52	SW 1	SW 2	SW 3	SW 4
DATA	Ptotal (mW)	-10.42	-15.80	-19.20	-20.87
VERSUS	Ptotal (dBm)	-2.50	-5.19	-8.59	-12.38
LIMIT	EIRP (dBm)	-7.44	-10.13	-13.51	-17.31

SW 1	TOTAL PASS
SW 2	4
SW 3	
SW 4	

(-) below LIMIT (+) above LIMIT

(-) below LIMIT (+) above LIMIT

CHANNEL 5 FINAL SUBMITTAL (Antennas)

SUMMARY OF MEASUREMENTS				PASS	FAIL	5.3324 GHz	CHANNEL 8
ANTENNA MODEL	GAIN	SW1	SW2	SW3	SW4	EIRP	versus LIMIT
2' Parabolic SSP2-52A	28.1	NO	NO	NO	PASS	P _{TOTAL}	1.19 mW
GABRIEL Electronics, Inc.	DISH					27 dBm	-6.74 dBm
2' Flat Panel DFPD2-52	27.5	NO	NO	PASS	PASS	P _{TOTAL}	1.19 mW
GABRIEL Electronics, Inc.	FLAT					27 dBm	-7.34 dBm
1' Flat Panel DFPD1-52	23.0	NO	PASS	PASS	PASS	P _{TOTAL}	6.36 mW
GABRIEL Electronics, Inc.	FLAT					27 dBm	-4.57 dBm
.5' Flat Panel DFPD.5-52	17.5	PASS	PASS	PASS	PASS	P _{TOTAL}	10.39 mW
GABRIEL Electronics, Inc.	FLAT					27 dBm	-7.93 dBm

Electronic Compliance Laboratories, Inc.
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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**POWER
Measurements****Test Information**

<u>UNII BAND</u>		<u>5.3 GHz</u>		<u>CHANNEL 8</u>		<u>FINAL DATA</u>			
								8/23/99	
								REV. C	
		SW1		SW2		SW3		SW4	
BW(MHz)=	13.75	Po (1)	Po (mW)	14.08	Po (2)	14.00	Po (3)	14.08	Po (4)
5.3324	Po (1)	Po (mW)	Po (mW)	Po (2)	Po (mW)	Po (3)	Po (mW)	Po (4)	Po (mW)
	-38.83	0.000		-42.83	0.000	-46.83	0.000	-50.05	0.000
	-31.50	0.001		-32.12	0.001	-35.62	0.000	-39.80	0.000
	-24.33	0.004		-25.50	0.003	-28.83	0.001	-32.67	0.001
	-24.17	0.004		-26.83	0.002	-30.17	0.001	-32.83	0.001
	-18.00	0.016		-20.50	0.009	-23.67	0.004	-27.50	0.002
	-8.67	0.136		-11.50	0.071	-14.50	0.035	-18.17	0.015
	-3.37	0.460		-3.33	0.465	-6.17	0.242	-9.83	0.104
	0.17	1.040		-1.83	0.656	-4.83	0.329	-8.50	0.141
	1.62	1.452		-1.17	0.764	-4.17	0.383	-8.00	0.158
	2.67	1.849		-2.50	0.562	-5.67	0.271	-9.33	0.117
	0.00	1.000		-2.00	0.631	-5.00	0.316	-9.33	0.117
	1.83	1.524		-1.33	0.736	-4.33	0.369	-7.83	0.165
	1.17	1.309		-1.33	0.736	-4.50	0.355	-8.17	0.152
	0.00	1.000		-1.50	0.708	-5.17	0.304	-8.83	0.131
	-3.17	0.482		-2.17	0.607	-8.04	0.157	-11.67	0.068
	-10.50	0.089		-5.17	0.304	-13.12	0.049	-16.83	0.021
	-18.33	0.015		-10.12	0.097	-24.17	0.004	-28.00	0.002
	-24.50	0.004		-21.00	0.008	-30.42	0.001	-34.50	0.000
	-26.37	0.002		-27.50	0.002	-30.83	0.001	-34.67	0.000
	-32.00	0.001		-33.83	0.000	-37.17	0.000	-40.62	0.000
	-41.00	0.000		-44.83	0.000	-48.50	0.000	-52.17	0.000
PTOTAL	-297.28	10.39		-318.89	6.36	-411.71	2.82	-489.3	1.19

The above Data Table shows the "Raw" measurements recorded directly from the spectrum analyzer when measuring Power across the band in 1MHz steps. These measurements were made at all four (4) power settings. The column to the right of each set of data is the reading converted into milliwatts. The 26 dB Bandwidth measurement is included at the top (MHz).

Measurements directly off of the antenna port with a six (6) foot piece coaxial cable attached. Cable loss is listed on the next TABLE.

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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

**POWER
Measurements**

Test Information

<u>Date:</u> 8/25/99		CHANNEL 8	5.3324 GHz
<u>Work Order Number:</u> 9071201		Switch SET 1	
<u>Tested By:</u> CHiP		<u>PTP Limit</u> =	13.75
<u>RBW:</u> 1 MHz		<u>Antenna gain (dBi)</u> =	22.38
<u>VBW:</u> 30 kHz		<u>Ant. gain - 6dBi(dBi)</u> =	17.5
<u>Span:</u> 1 MHz		<u>PTP Limit - Ant.Gain(dBi)</u> =	11.5
			10.88
FREQUENCY (MHz)	Analyzer Reading (dBm)	POWER OUT Pout (mW)	PPSD (dBm)
5.3224	-38.83	0.000	
5.3234	-31.50	0.001	
5.3244	-24.33	0.004	
5.3254	-24.17	0.004	
5.3264	-18.00	0.016	11.33
5.3274	-8.67	0.136	
5.3284	-3.37	0.460	
5.3294	0.17	1.040	
5.3304	1.62	1.452	
5.3314	2.67	1.849	
5.3324	0.00	1.000	PEAK POWER READING 14.5 (dBm)
5.3334	1.83	1.524	
5.3344	1.17	1.309	
5.3354	0.00	1.000	
5.3364	-3.17	0.482	
5.3374	-10.50	0.089	
5.3384	-18.33	0.015	11.50
5.3394	-24.50	0.004	11.17
5.3404	-26.37	0.002	
5.3414	-32.00	0.001	
5.3424	-41.00	0.000	
Ptotal (mW) =		10.39	

Note: The above measurements made at the highest Power Setting.

PPSD LIMIT=11.1

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

EUT / Client Information

Client Name: WireLess, Inc.

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

Serial Number: 001
FCC ID: EV9N2X5-3S1-16B

**POWER
Measurements**

CHANNEL 8 Final Summary

5.3 GHz

CHANNEL 8

N2-X

PARABOLIC DISH

28.1 dBi

Parabolic	SSP2-52A	SW 1	SW 2	SW 3	SW 4
DATA	Ptotal (mW)	-12.00	-16.13	-19.64	-21.30
VERSUS	Ptotal (dBm)	7.28	5.05	1.54	-2.23
LIMIT	EIRP (dBm)	2.66	0.53	-3.00	-6.74

SW 4	TOTAL PASS
	1

2' FLAT PANEL

27.5 dBi

Flat Panel	DFPD2-52	SW 1	SW 2	SW 3	SW 4
DATA	Ptotal (mW)	-11.99	-16.13	-19.64	-21.30
VERSUS	Ptotal (dBm)	6.68	4.45	0.94	-2.83
LIMIT	EIRP (dBm)	2.07	-0.07	-3.60	-7.34

SW 4	TOTAL PASS
	1

1' FLAT PANEL

23.0 dBi

Flat Panel	DFPD1-52	SW 1	SW 2	SW 3	SW 4
DATA	Ptotal (mW)	-11.99	-16.13	-19.64	-21.30
VERSUS	Ptotal (dBm)	2.18	-0.05	-3.56	-7.33
LIMIT	EIRP (dBm)	-2.43	-4.57	-8.10	-11.84

SW 2	TOTAL PASS
SW 3	3
SW 4	

6" FLAT PANEL

17.5 dBi

Flat Panel	DFPS.5-52	SW 1	SW 2	SW 3	SW 4
DATA	Ptotal (mW)	-11.99	-16.13	-19.64	-21.30
VERSUS	Ptotal (dBm)	-3.32	-5.55	-9.06	-12.83
LIMIT	EIRP (dBm)	-7.93	-10.07	-13.60	-17.34

SW 1	TOTAL PASS
SW 2	4
SW 3	
SW 4	

(-) below LIMIT

(+) above LIMIT

(-) below LIMIT (+) above LIMIT

CHANNEL 8 FINAL SUBMITTAL (Antennas)

SUMMARY OF MEASUREMENTS				PASS	FAIL	5.3017GHz	CHANNEL 5	
ANTENNA MODEL	GAIN	SW1	SW2	SW3	SW4	EIRP	versus	LIMIT
2' Parabolic SSP2-52A	28.1	NO	NO	NO	PASS	P _{TOTAL}	1.20 mW	
GABRIEL Electronics, Inc. DISH						27dBm	-6.71 dBm	
2' Flat Panel DFPD2-52	27.5	NO	NO	PASS	PASS	P _{TOTAL}	2.88 mW	
GABRIEL Electronics, Inc. FLAT						27dBm	-8.01 dBm	
1' Flat Panel DFPD1-52	23.0	NO	PASS	PASS	PASS	P _{TOTAL}	6.26 mW	
GABRIEL Electronics, Inc. FLAT						27dBm	-7.31 dBm	
.5' Flat Panel DFPD.5-52	17.5	PASS	PASS	PASS	PASS	P _{TOTAL}	11.64 mW	
GABRIEL Electronics, Inc. FLAT						27dBm	-7.44 dBm	

Electronic Compliance Laboratories, Inc.

N2-X 5.3 GHz summary vs. limits

WIRELESS, INC.		N2-X					RESULTS		8/26/99	
5.3 GHz		CHANNEL 1					SET#	TOTAL PASS		
PARABOLIC DISH 28.1 dBi	Parabolic	SSP2-52A	SW 1	SW 2	SW 3	SW 4	SW 4	1		
	DATA	Ptotal (mW)	-11.44	-16.55	-19.33	-20.85				
	VERSUS	Ptotal (dBm)	7.73	4.87	1.75	-1.89				
	LIMIT	EIRP (dBm)	2.74	-0.14	-3.27	-6.89				
2' FLAT PANEL 27.5 dBi	Flat Panel	DFPD2-52	SW 1	SW 2	SW 3	SW 4	SW 4	1		
	DATA	Ptotal (mW)	-11.44	-16.55	-19.33	-20.85				
	VERSUS	Ptotal (dBm)	7.13	4.27	1.15	-2.49				
	LIMIT	EIRP (dBm)	2.14	-0.74	-3.87	-7.49				
1' FLAT PANEL 23.0 dBi	Flat Panel	DFPD1-52	SW 1	SW 2	SW 3	SW 4	SW 3	3		
	DATA	Ptotal (mW)	-11.44	-16.55	-19.33	-20.85				
	VERSUS	Ptotal (dBm)	2.63	-0.23	-3.35	-2.49				
	LIMIT	EIRP (dBm)	-2.36	-5.24	-8.37	-7.49				
6" FLAT PANEL 17.5 dBi	Flat Panel	DFPS-5-52	SW 1	SW 2	SW 3	SW 4	SW 1	4		
	DATA	Ptotal (mW)	-11.99	-16.13	-19.64	-21.30				
	VERSUS	Ptotal (dBm)	-3.32	-5.55	-9.06	-12.83				
	LIMIT	EIRP (dBm)	-7.93	-10.07	-13.60	-17.34				

(-) below LIMIT (+) above LIMIT

5.3 GHz		CHANNEL 5					N2-X			
PARABOLIC DISH 28.1 dBi	Parabolic	SSP2-52A	SW 1	SW 2	SW 3	SW 4	SW 4	1		
	DATA	Ptotal (mW)	-10.41	-15.80	-19.20	-20.87				
	VERSUS	Ptotal (dBm)	8.11	5.41	2.01	-1.78				
	LIMIT	EIRP (dBm)	3.16	6.47	3.09	-0.71				
2' FLAT PANEL 27.5 dBi	Flat Panel	DFPD2-52	SW 1	SW 2	SW 3	SW 4	SW 4	1		
	DATA	Ptotal (mW)	-10.80	-15.80	-19.20	-20.87				
	VERSUS	Ptotal (dBm)	7.36	4.81	1.41	-2.38				
	LIMIT	EIRP (dBm)	2.42	-0.13	-3.51	-7.31				
1' FLAT PANEL 23.0 dBi	Flat Panel	DFPD1-52	SW 1	SW 2	SW 3	SW 4	SW 3	2		
	DATA	Ptotal (mW)	-10.42	-15.80	-19.20	-20.87				
	VERSUS	Ptotal (dBm)	3.00	0.31	-3.09	-2.38				
	LIMIT	EIRP (dBm)	-1.94	-4.63	-8.01	-7.31				
6" FLAT PANEL 17.5 dBi	Flat Panel	DFPS-5-52	SW 1	SW 2	SW 3	SW 4	SW 1	4		
	DATA	Ptotal (mW)	-10.42	-15.80	-19.20	-20.87				
	VERSUS	Ptotal (dBm)	-2.50	-5.19	-8.59	-12.38				
	LIMIT	EIRP (dBm)	-7.44	-10.13	-13.51	-17.31				

(-) below LIMIT (+) above LIMIT

5.3 GHz		CHANNEL 8					N2-X			
PARABOLIC DISH 28.1 dBi	Parabolic	SSP2-52A	SW 1	SW 2	SW 3	SW 4	SW 4	1		
	DATA	Ptotal (mW)	-12.00	-16.13	-19.64	-21.30				
	VERSUS	Ptotal (dBm)	7.28	5.05	1.54	-2.23				
	LIMIT	EIRP (dBm)	2.66	6.53	3.00	-6.74				
2' FLAT PANEL 27.5 dBi	Flat Panel	DFPD2-52	SW 1	SW 2	SW 3	SW 4	SW 4	1		
	DATA	Ptotal (mW)	-11.99	-16.13	-19.64	-21.30				
	VERSUS	Ptotal (dBm)	6.68	4.45	0.94	-2.83				
	LIMIT	EIRP (dBm)	2.07	-0.07	-3.60	-7.34				
1' FLAT PANEL 23.0 dBi	Flat Panel	DFPD1-52	SW 1	SW 2	SW 3	SW 4	SW 2	3		
	DATA	Ptotal (mW)	-11.99	-16.13	-19.64	-21.30				
	VERSUS	Ptotal (dBm)	2.18	-0.05	-3.56	-7.33				
	LIMIT	EIRP (dBm)	-2.43	-4.57	-8.10	-11.84				
6" FLAT PANEL 17.5 dBi	Flat Panel	DFPS-5-52	SW 1	SW 2	SW 3	SW 4	SW 1	4		
	DATA	Ptotal (mW)	-11.99	-16.13	-19.64	-21.30				
	VERSUS	Ptotal (dBm)	-3.32	-5.55	-9.06	-12.83				
	LIMIT	EIRP (dBm)	-7.93	-10.07	-13.60	-17.34				

(-) below LIMIT (+) above LIMIT

END OF "SUMMARY OF MEASUREMENTS"

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