

*FCC PART 15, SUBPART B and C
TEST REPORT**for*

SiteWERX LOCATION

MODEL: SLN05

Prepared for

WirelessWERX, Inc.
100 SOUTH CHAPARRAL COURT, SUITE 100
ANAHEIM, CA 92808

Prepared by: _____

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DATE: JULY 16, 2009

	REPORT BODY	APPENDICES					TOTAL
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GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Compatible Electronics Inc., which is an independent testing and consulting firm. The test report is based on testing performed by Compatible Electronics personnel according to the measurement procedures described in the test specifications given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced without the written permission of Compatible Electronics, unless done so in full.

This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Device Tested: SiteWERX Location
Model: SLN05
S/N: N/A

Product Description: See Expository Statement.

Modifications: The EUT was not modified in order to meet the specifications.

Manufacturer: WirelessWERX, Inc.
100 South Chaparral Court, Suite 100
Anaheim, CA 92808

Test Dates: July 10, 13, and 16, 2009

Test Specifications: EMI requirements
CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.247

Test Procedure: ANSI C63.4: 2003

Test Deviations: The test procedure was not deviated from during the testing.

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Conducted RF Emissions, 150 kHz – 30 MHz	Complies with the Class B limits of CFR Title 47, Part 15 Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, section 15.207
2	Spurious Radiated RF Emissions, 30 MHz – 1000 MHz	Complies with the Class B limits of CFR Title 47, Part 15 Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, section 15.209
3	Spurious Radiated RF Emissions, 10 kHz – 30 MHz and 1000 MHz – 25000 MHz	Complies with the Class B limits of CFR Title 47, Part 15, Subpart B; and CFR Title 47, Part 15, Subpart C, section 15.247(d)
4	Fundamental and Emissions produced by the intentional radiator in non-restricted bands, 10 kHz – 25 GHz	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247(d)
5	Emissions produced by the intentional radiator in restricted bands, 10 kHz – 25 GHz	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.205, 15.209, and section 15.247 (d)
6	20 dB Bandwidth	Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (a)(1) and (a)(1)(iii)
7	Peak Power Output	Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (b)(1)
8	RF Conducted Antenna Test	Complies with the relevant requirements of FCC Title 47, Part 15, Subpart C, section 15.247 (d)
9	Carrier Frequency Separation	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247 (a)(1)
10	Average Time of Occupancy	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247 (a)(1)(iii)
11	Peak Power Spectral Density from the Intentional Radiator to the Antenna	Complies with the relevant requirements of CFR Title 47, Part 15, Subpart C, section 15.247 (f)

1. PURPOSE

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the SiteWERX Location, Model: SLN05. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4: 2003. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the Class B specification limits defined by CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.247.

Note: For the unintentional radiator portion of the test, the EUT was within the **Class B** specification limits defined by CFR Title 47, Part 15, Subpart B.

2. ADMINISTRATIVE DATA

2.1 Location of Testing

The EMI tests described herein were performed at the test facility of Compatible Electronics, 114 Olinda Drive, Brea, California 92823.

2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The calibration is traceable to the National Institute of Standards and Technology (NIST).

2.3 Cognizant Personnel

WirelessWERX, Inc.

Jim Ashley, Jr. Chief Technical Officer

Compatible Electronics Inc.

Alex Benitez Test Technician

Kyle Fujimoto Test Engineer

Michael Christensen Lab Manager, Brea Division

2.4 Date Test Sample was Received

The test sample was received prior to the date of testing.

2.5 Disposition of the Test Sample

The test sample was returned to WirelessWERX, Inc. on July 16th, 2009.

2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

RF	Radio Frequency
EMI	Electromagnetic Interference
EUT	Equipment Under Test
P/N	Part Number
S/N	Serial Number
HP	Hewlett Packard
ITE	Information Technology Equipment
CML	Corrected Meter Limit
LISN	Line Impedance Stabilization Network
N/A	Not Applicable

3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this EMI Test Report.

SPEC	TITLE
FCC Title 47, Part 15 Subpart C	FCC Rules - Radio frequency devices (including digital devices) – Intentional Radiators
ANSI C63.4 2003	Methods of measurement of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz
FCC Title 47, Part 15 Subpart B	FCC Rules - Radio frequency devices (including digital devices) – Unintentional Radiators

4. DESCRIPTION OF TEST CONFIGURATION

4.1 Description of Test Configuration - EMI

Normal Configuration: The SiteWERX Location, Model: SLN05 (EUT) was connected to a power supply via its power port. The EUT was continuously transmitting and/or receiving continuously during the test depending on how the EUT was programmed.

Note: To verify operation during the unintentional radiator and conducted emission portion of the test, the EUT was transmitting and receiving to and from the Bluetooth Base Station – Wireless Version Model: SBS03-W. The SBS03-W then was transmitting and receiving to and from the Linksys Access Point via an 802.11 connection. The access point was also connected to a laptop which was sending and/or receiving the information via a hard wired Ethernet connection. The laptop was also used to verify the integrity of this data.

Re-transmit Configuration: The SiteWERX Location, Model: SLN05 (EUT) was connected to a power supply via its power port. The Bluetooth Development Kit was connected to an AC Adapter and laptop via its power and Com 1 ports, respectively. The Bluetooth Development Kit, AC Adapter, and laptop were placed approximately thirty feet away from the test site. The Bluetooth Development Kit was continuously transmitting to the EUT. This caused the EUT to re-transmit the signal at the same frequency on a continuous basis.

Operation of the EUT during the testing:

For the intentional radiator portion of the test: The EUT used a program that locked one channel at a time so that the low, middle, and high channels could be tested. This allowed the EUT to be in a no hopping mode. The EUT was tested in three orthogonal axis. The carrier was modulated in the same way it would be when the EUT was in its normal frequency hopping mode.

For the unintentional radiator and conducted emission portion of the test: The EUT used a program that allowed the EUT to function as normal (the channels frequency hopping) on a continuous basis.

It was determined that the emissions were at their highest level when the EUT was operating in the above configurations. The final emissions data was taken in these modes of operation and any cables were maximized. All initial investigations were performed with the measurement receiver in manual mode scanning the frequency range continuously. Photographs of the test setup are in Appendix D of this report.

4.1.1 Cable Construction and Termination

Cable 1 (For Both Normal and Re-Transmit Configurations)

This is a 1-meter unshielded cable connecting the EUT to the power supply. The cable is hard wired at each end.

Cable 2 (For Re-Transmit Configuration Only)

This is a 2-meter braid and foil shielded cable connecting the laptop to the Bluetooth Development Kit. The cable has a D-9 pin metallic connector at each end. The shield of the cable was grounded to the chassis via the connectors.

Cable 3 (For Re-Transmit Configuration Only)

This is a 2-meter unshielded cable connecting the Bluetooth Development Kit to the AC Adapter. The cable has a 1/8 inch power connector at the Bluetooth Development Kit end and is hard wired into the AC Adapter.

Cable 4 (For Both Normal and Re-Transmit Configurations)

This is a 2-meter unshielded cable connecting the laptop to the AC Adapter. The cable has a 1 pin power connector at the laptop end and is hard wired into the AC Adapter.

Cable 5 (For Normal Configuration Only)

This is a 2-meter unshielded cable connecting the Bluetooth Base Station – Wireless Version to the AC Adapter. The cable is hard wired at each end.

Cable 6 (For Normal Configuration Only)

This is a 2-meter unshielded cable connecting the access point with the laptop. The cable has an RJ-45 connector at each end.

Cable 7 (For Normal Configuration Only)

This is a 2-meter unshielded cable connecting the access point to the AC Adapter. The cable has a 1/8 inch power connector at the access point end and is hard wired into the AC Adapter.

5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT**5.1 EUT and Accessory List**

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC ID
SITEWERX LOCATION (EUT)	WirelessWERX, Inc.	SLN05	N/A	S8PSLN05
POWER SUPPLY FOR EUT	N/A	A71012A-D10	N/A	N/A
LAPTOP	DELL	PPO4X	CN-0HN341-48643-86J-3565	E2KWM3945ABG
AC ADAPTER FOR LAPTOP	DELL	FA90PS0-00	CN-OGX808-73245-84T-9828	N/A
BLUETOOTH DEVELOPMENT KIT	CASIRA	BCES301199/1	10298 07 11 06	PIWBCES301199-1
AC ADAPTER FOR BLUETOOTH DEVELOPMENT KIT	EGSTON	N2GFSW3	N/A	N/A
ACCESS POINT	LINKSYS	WRT54GL v1.1	CL7C1HC06292	Q87-WT54GV40
AC ADAPTER FOR ACCESS POINT	LINKSYS	AD12V/1A-SW	2103-40031231R	N/A

5.2 EMI Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
GENERAL TEST EQUIPMENT USED FOR ALL RF EMISSIONS TESTS					
Computer	Hewlett Packard	4530	US91912319	N/A	N/A
Spectrum Analyzer – Main Section	Hewlett Packard	8566B	3638A08768	August 22, 2008	Aug. 22, 2009
Spectrum Analyzer – Display Section	Hewlett Packard	85662A	3701A22262	August 22, 2008	Aug. 22, 2009
Quasi-Peak Adapter	Hewlett Packard	85650A	2811A01363	August 22, 2008	Aug. 22, 2009
EMI Receiver	Rohde & Schwarz	ESIB40	100194	September 17, 2008	Sept. 17, 2010
Monitor	Hewlett Packard	D5258A	TW74500641	N/A	N/A
RF RADIATED EMISSIONS TEST EQUIPMENT					
Biconical Antenna	Com Power	AB-900	15182	February 23, 2009	Feb. 23, 2010
Log Periodic Antenna	Com Power	AL-100	16252	June 15, 2009	June 15, 2010
Preamplifier	Com-Power	PA-103	1582	January 12, 2009	Jan. 12, 2010
Loop Antenna	Com-Power	AL-130	17089	September 29, 2008	Sept. 29, 2009
Horn Antenna	Com-Power	AH-118	071175	June 27, 2008	June 27, 2010
Microwave Preamplifier	Com Power	PA-122	181921	March 12, 2009	March 12, 2010
Horn Antenna	Com-Power	AH826	71957	December 12, 2007	Dec. 12, 2009
Microwave Preamplifier	Com Power	PA-840	711013	March 12, 2009	March 12, 2010
Antenna Mast	Com Power	AM-100	N/A	N/A	N/A
RF RADIATED EMISSIONS TEST EQUIPMENT					
Emissions Program	Compatible Electronics	2.3 (SR19)	N/A	N/A	N/A
LISN	Com Power	LI-215	12076	September 29, 2008	Sept. 29, 2009
LISN	Com Power	LI-215	12090	September 29, 2008	Sept. 29, 2009
Transient Limiter	Com Power	252A910	1	September 26, 2008	Sept. 26, 2009

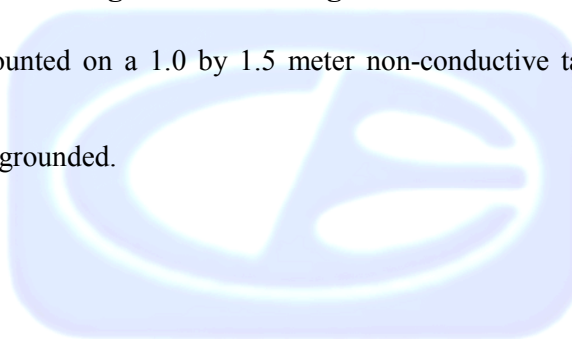
6. TEST SITE DESCRIPTION**6.1 Test Facility Description**

Please refer to section 2.1 and 7.1 of this report for EMI test location.

6.2 EUT Mounting, Bonding and Grounding

The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane.

The EUT was not grounded.



7. CHARACTERISTICS OF THE TRANSMITTER

7.1 Channel Number and Frequencies

The EUT has 79 channels. The first channel is at 2402 MHz and the last channel is at 2480 MHz. Each channel has a separation of 1 MHz.

7.2 Antenna Gain

The antenna gain of the antenna for the EUT is 0.8 dBi.



8. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests. Test results are also included in this section.

8.1 RF Emissions

8.1.1 Conducted Emissions Test

The spectrum analyzer was used as a measuring meter. The data was collected with the spectrum analyzer in the peak detect mode with the "Max Hold" feature activated. The quasi-peak was used only where indicated in the data sheets. A transient limiter was used for the protection of the spectrum analyzer input stage, and the offset was adjusted accordingly to read the actual data measured. The LISN output was measured using the spectrum analyzer. The output of the second LISN was terminated by a 50 ohm termination. The effective measurement bandwidth used for this test was 9 kHz.

Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The EUT was powered through the LISN, which was bonded to the ground plane. The LISN power was filtered and the filter was bonded to the ground plane. The EUT was set up with the minimum distances from any conductive surfaces as specified in ANSI C63.4: 2003. The excess power cord was wrapped in a figure eight pattern to form a bundle not exceeding 0.4 meters in length.

The conducted emissions from the EUT were maximized for operating mode as well as cable placement. The final data was collected under program control by the Compatible Electronics conducted emissions software in several overlapping sweeps by running the spectrum analyzer at a minimum scan rate of 10 seconds per octave. The final qualification data is located in Appendix E.

Test Results:

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, Sections 15.207. Please see Appendix E for the data sheets.

8.1.2 Radiated Emissions (Spurious and Harmonics) Test

The spectrum analyzer and EMI Receiver were used as a measuring meter along with the quasi-peak adapter. Amplifiers were used to increase the sensitivity of the instrument. The Com Power Preamplifier Model: PA-102 was used for frequencies from 30 MHz to 1 GHz, the Com Power Microwave Preamplifier Model: PA-122 was used for frequencies above 1 GHz, and the Com Power Microwave Preamplifier Model: PA-840 was used for frequencies above 18 GHz. The spectrum analyzer was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the spectrum analyzer records the highest measured reading over all the sweeps.

The quasi-peak adapter was used only for those readings which are marked accordingly on the data sheets.

The frequencies above 1 GHz were averaged manually by narrowing the video filter down to 10 Hz and putting the sweep time on AUTO on the spectrum analyzer to keep the amplitude reading calibrated.

After the readings above 1 GHz were average manually, the reading was further adjusted by a "duty cycle correction factor", derived from $20 \log (\text{dwell time} / 100 \text{ ms})$. Since the duty cycle was below 10%, the maximum allowed 20 dB was subtracted from the peak reading. The duty cycle are located in Appendix E.

The measurement bandwidths and transducers used for the radiated emissions test were:

FREQUENCY RANGE	EFFECTIVE MEASUREMENT BANDWIDTH	TRANSDUCER
10 kHz to 150 kHz	200 Hz	Active Loop Antenna
150 kHz to 30 MHz	9 kHz	Active Loop Antenna
30 MHz to 300 MHz	120 kHz	Biconical Antenna
300 MHz to 1 GHz	120 kHz	Log Periodic Antenna
1 GHz to 25 GHz	1 MHz	Horn Antenna

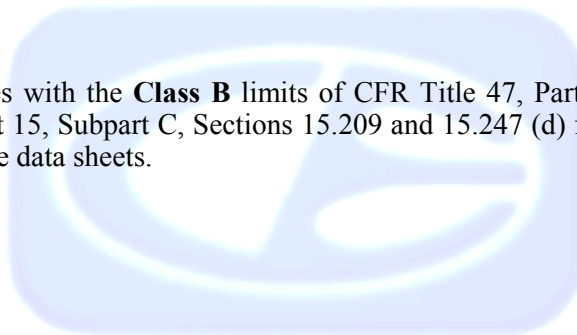
The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4: 2003. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT by the Radiated Emission Manual Test software. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength). The gunsight method was used when measuring with the horn antenna in order to ensure accurate results.

Radiated Emissions (Spurious and Harmonics) Test (con't)

The presence of ambient signals was verified by turning the EUT off. In case an ambient signal was detected, the measurement bandwidth was reduced temporarily and verification was made that an additional adjacent peak did not exist. This ensures that the ambient signal does not hide any emissions from the EUT. The EUT was tested at a 10 meter test distance from 10 kHz to 30 MHz, and at a 3 meter test distance from 30 MHz to 25 GHz to obtain the final test data.

Test Results:

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and the limits of CFR Title 47, Part 15, Subpart C, Sections 15.209 and 15.247 (d) for radiated emissions. Please see Appendix E for the data sheets.

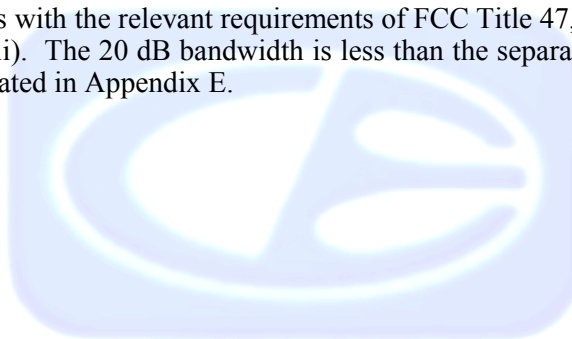


8.2 20 dB Bandwidth

The 20 dB Bandwidth was measured using the EMI Receiver. The resolution bandwidth was 30 kHz and the video bandwidth was 100 kHz.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (a)(1) and (a)(1)(iii). The 20 dB bandwidth is less than the separation between channels. Please see the data sheets located in Appendix E.



8.3 Peak Output Power

Since antenna conducted tests could not be performed on the EUT due to a lack of an antenna connector on the EUT, the peak output power was calculated by the following equation:

$$P = [(E \cdot D)^2] / (30 G)$$

Where:

P = Power in Watts for which you are solving

E = The measured maximum field strength in V/m utilizing the widest available RBW.

G = The numeric gain of the transmitting antenna over an isotropic radiator.

Test Results:

This test complies with the relevant requirements of CFR Title 47, Part 15, Subpart C section 15.247 (b)(3).

8.4 RF Antenna Conducted Test

Since antenna conducted tests could not be performed on the EUT due to a lack of an antenna connector on the EUT, all harmonics were tested using the radiated emissions test procedure located in section 7.1.2 of this test report.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (d). The RF power that is produced by the intentional radiator is at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of desired power. Please see the radiated emission data sheets located in Appendix E.

8.5 RF Band Edges

The RF band edges were taken at the edges of the ISM spectrum (2400 MHz when the EUT was on the low channel and 2483.5 MHz when the EUT was on the high channel) using the EMI Receiver. A preamplifier was used to boost the signal level, with the plots being taken at a 3 meter test distance. The radiated emissions test procedure as describe in section 8.2 of this test report was used to maximize the emission.

Test Results:

The EUT complies with the relevant requirements of FCC Title 47, Part 15, Subpart C section 15.247 (d). The RF power at the band edges at 2400 MHz and 2483.5 MHz meet the requirements of FCC Title 47, Part 15, Subpart C section 15.247 (d). Please see the data sheets located in Appendix E.

8.6 Spectral Density Test

Since antenna conducted tests could not be performed on the EUT due to a lack of an antenna connector on the EUT, the spectral density was measured as follows:

A. The spectrum analyzer was tuned to the highest point of the maximized fundamental emission based on the procedure used in section 8.3. The spectrum analyzer was then set to an RBW of 3 kHz, VBW of 10 kHz, frequency span of 300 kHz, and a sweep time of 100 seconds. Using these settings, the peak level was obtained.

B. Using the peak level obtained in step 1, the field strength, E, was derived by applying the appropriate antenna factor, cable loss, and pre-amp gain for that frequency.

C. The following equation was then used to calculate the power level for comparison to the +8 dBm limit:

$$P = [(E \cdot D)^2] / (30 \cdot G)$$

Where:

P = Power in Watts for which you are solving

E = the field strength in V/m obtained in step B

G = the numeric gain of the transmitting antenna over an isotropic radiator

Test Results:

This test complies with the relevant requirements of CFR Title 47, Part 15, Subpart C section 15.247 (e).

9. CONCLUSIONS

The SiteWERX Location Model: SLN05 meets all of the specification limits defined in FCC Title 47, Part 15, Subpart C, sections 15.205, 15.209, and 15.247.

Note: For the unintentional radiator portion of the test, the EUT was within the **Class B** specification limits defined by CFR Title 47, Part 15, Subpart B.



APPENDIX A

LABORATORY RECOGNITIONS

LABORATORY RECOGNITIONS

Compatible Electronics has the following agency accreditations:

National Voluntary Laboratory Accreditation Program - Lab Code: 200528-0

Voluntary Control Council for Interference - Registration Numbers: R-983, C-1026, R-984 and C-1027

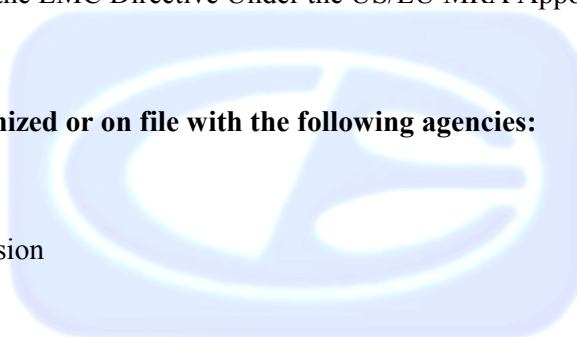
Bureau of Standards and Metrology Inspection - Reference Number: SL2-IN-E-1031

Conformity Assessment Body for the EMC Directive Under the US/EU MRA Appointed by NIST

Compatible Electronics is recognized or on file with the following agencies:

Federal Communications Commission

Industry Canada



APPENDIX B***MODIFICATIONS TO THE EUT***

MODIFICATIONS TO THE EUT

The modifications listed below were made to the EUT to pass FCC Subpart B and FCC 15.247 specifications.

All the rework described below was implemented during the test in a method that could be reproduced in all the units by the manufacturer.

There were no modifications made to the EUT during the testing.



APPENDIX C

***ADDITIONAL MODELS COVERED
UNDER THIS REPORT***

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

SiteWERX Location

Model: SLN05

S/N: N/A

There were no additional models covered under this report.





APPENDIX D

DIAGRAMS, CHARTS, AND PHOTOS

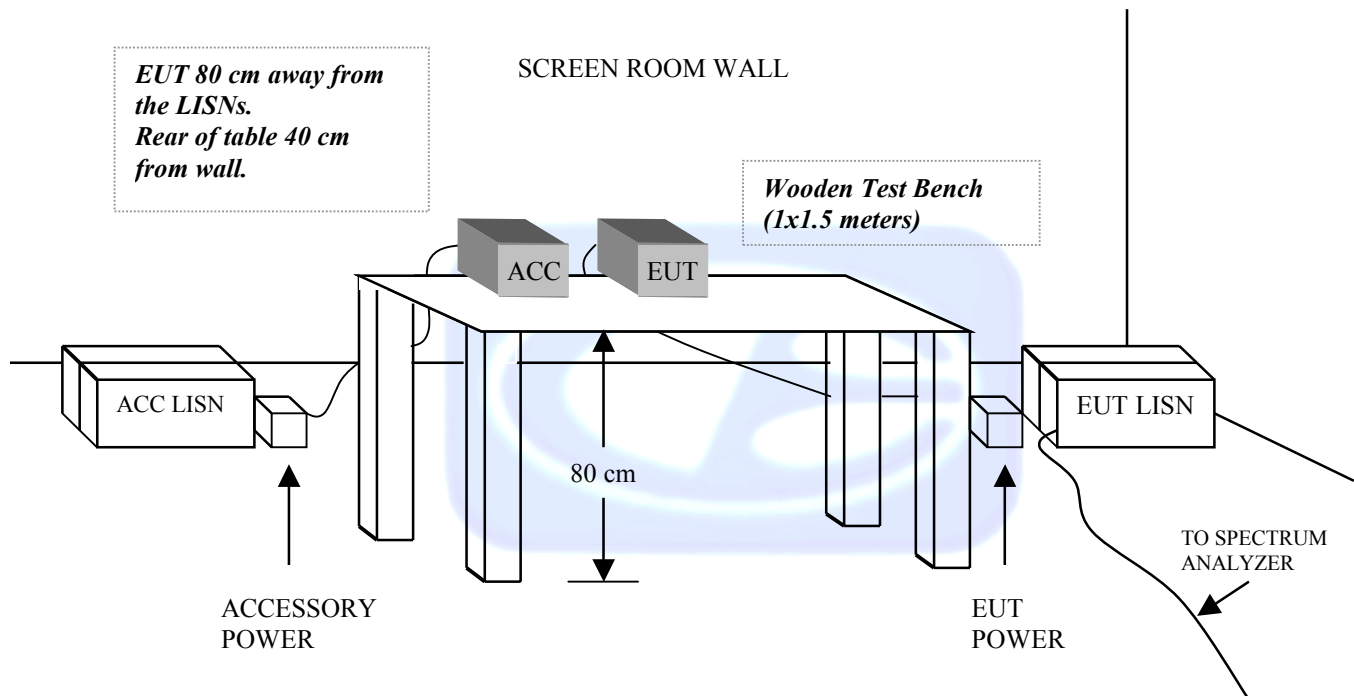
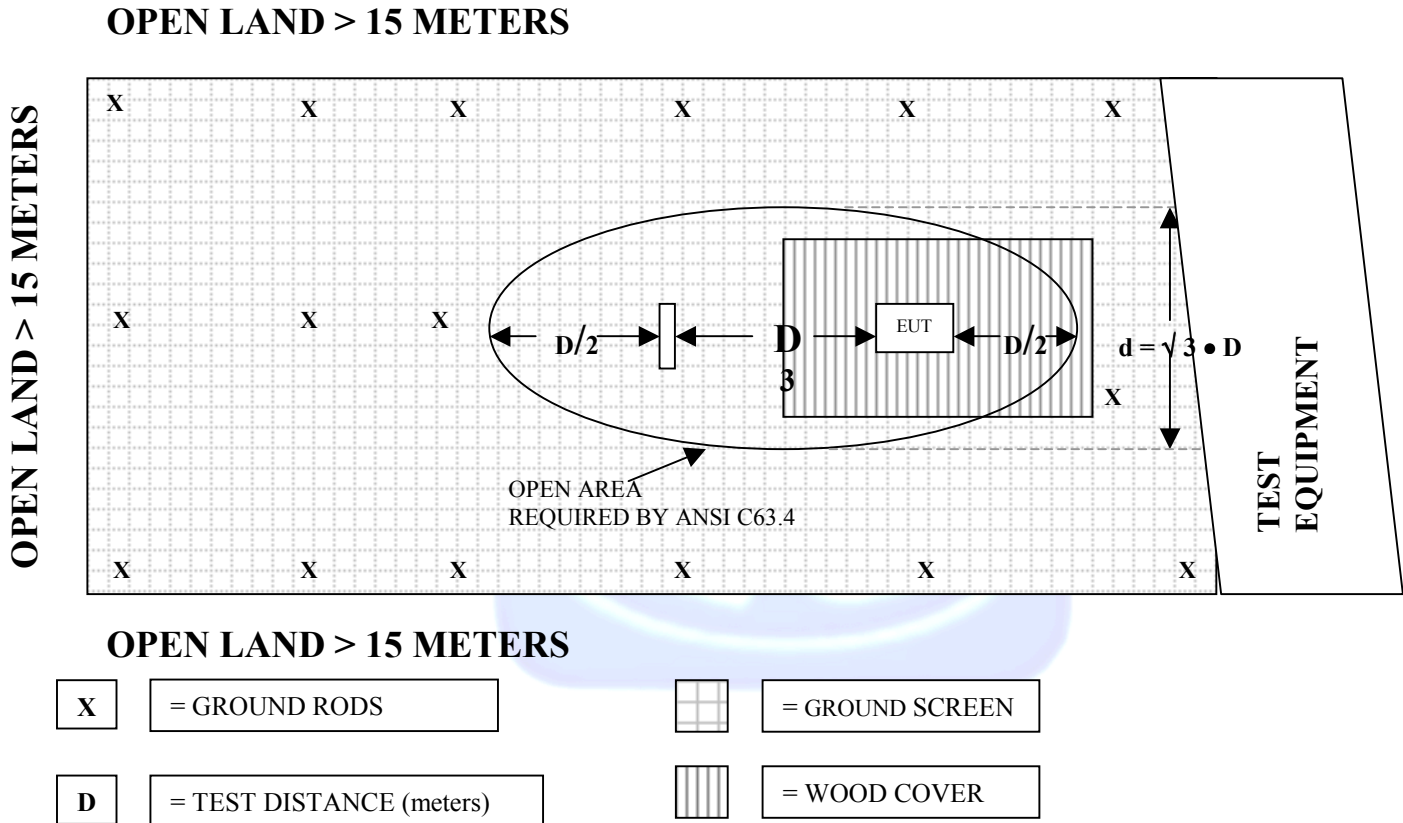
FIGURE 1: CONDUCTED EMISSIONS TEST SETUP

FIGURE 2: PLOT MAP AND LAYOUT OF RADIATED SITE



COM-POWER AB-900

BICONICAL ANTENNA

S/N: 15182

CALIBRATION DATE: FEBRUARY 23, 2009

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	13.1	100	10.6
35	10.1	120	12.7
40	9.5	140	11.7
45	10.9	160	12.6
50	11.3	180	15.7
60	8.4	200	16.8
70	8.1	250	15.0
80	5.7	275	17.5
90	7.3	300	19.2

COM-POWER AL-100

LOG PERIODIC ANTENNA

S/N: 16252

CALIBRATION DATE: JUNE 15, 2009

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
300	12.8	700	20.4
400	15.3	800	21.7
500	17.5	900	22.0
600	19.8	1000	22.7

COM POWER AH-118**HORN ANTENNA**

S/N: 071175

CALIBRATION DATE: JUNE 27, 2008

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	24.5	10.0	39.4
1.5	25.4	10.5	39.7
2.0	28.3	11.0	39.0
2.5	28.9	11.5	40.0
3.0	29.7	12.0	39.7
3.5	30.8	12.5	41.7
4.0	31.4	13.0	42.7
4.5	32.6	13.5	41.2
5.0	33.7	14.0	41.6
5.5	34.4	14.5	43.2
6.0	34.7	15.0	42.3
6.5	35.4	15.5	39.3
7.0	37.0	16.0	41.7
7.5	37.4	16.5	39.6
8.0	37.6	17.0	43.0
8.5	37.6	17.5	47.1
9.0	38.5	18.0	46.2
9.5	38.6		

COM-POWER PA-103**PREAMPLIFIER**

S/N: 1582

CALIBRATION DATE: JANUARY 12, 2009

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	33.6	300	33.4
40	33.7	350	33.2
50	33.6	400	33.2
60	33.5	450	33.1
70	33.6	500	32.9
80	33.6	550	33.0
90	33.7	600	32.8
100	33.7	650	33.0
125	33.5	700	32.7
150	33.6	750	32.9
175	33.7	800	32.6
200	33.4	850	32.6
225	33.4	900	32.6
250	33.4	950	32.4
275	33.3	1000	32.7

COM-POWER PA-122**PREAMPLIFIER****S/N: 181921****CALIBRATION DATE: MARCH 12, 2009**

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	36.46	10.0	35.06
1.5	35.36	10.5	34.82
2.0	34.76	11.0	33.12
2.5	34.94	11.5	34.33
3.0	34.59	12.0	34.75
3.5	34.55	12.5	33.94
4.0	34.25	13.0	35.50
4.5	33.89	13.5	34.89
5.0	34.22	14.0	36.56
5.5	34.81	14.5	36.06
6.0	35.74	15.0	36.67
6.5	36.51	15.5	36.84
7.0	36.66	16.0	34.31
7.5	35.72	16.5	35.11
8.0	33.28	17.0	35.35
8.5	33.11	17.5	34.11
9.0	34.71	18.0	33.88
9.5	35.50	18.5	32.20

COM-POWER PA-840**MICROWAVE PREAMPLIFIER**

S/N: 711013

CALIBRATION DATE: MARCH 12, 2009

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18.0	25.72	29.5	27.11
18.5	25.46	30.0	27.19
19.0	25.19	30.5	27.12
19.5	24.58	31.0	26.76
20.0	23.94	31.5	26.52
20.5	23.48	32.0	26.11
21.0	23.22	32.5	26.35
21.5	23.34	33.0	26.15
22.0	23.62	33.5	26.14
22.5	23.74	34.0	25.47
23.0	24.40	34.5	25.39
23.5	24.60	35.0	25.05
24.0	25.15	35.5	25.18
24.5	25.38	36.0	24.63
25.0	26.00	36.5	25.22
25.5	25.92	37.0	26.20
26.0	26.47	37.5	26.46
26.5	27.19	38.0	25.44
27.0	27.60	38.5	24.71
27.5	26.51	39.0	23.50
28.0	26.46	39.5	23.46
28.5	26.36	40.0	22.37
29.0	26.72		

COM-POWER AH826**HORN ANTENNA****S/N: 71957****CALIBRATION DATE: DECEMBER 12, 2007**

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18.0	33.5	22.5	35.5
18.5	33.5	23.0	35.9
19.0	34.0	23.5	35.7
19.5	34.0	24.0	35.6
20.0	34.3	24.5	36.0
20.5	34.9	25.0	36.2
21.0	34.7	25.5	36.1
21.5	35.0	26.0	36.2
22.0	35.0	26.5	35.7

COM-POWER AL-130**LOOP ANTENNA**

S/N: 17089

CALIBRATION DATE: SEPTEMBER 29, 2008

FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)
0.009	-41.57	9.93
0.01	-42.06	9.44
0.02	-42.43	9.07
0.05	-42.50	9.00
0.07	-42.10	9.40
0.1	-42.03	9.47
0.2	-44.50	7.00
0.3	-41.93	9.57
0.5	-41.90	9.60
0.7	-41.73	9.77
1	-41.23	10.27
2	-40.90	10.60
3	-41.20	10.30
4	-41.30	10.20
5	-40.70	10.80
10	-41.10	10.40
15	-42.17	9.33
20	-42.00	9.50
25	-42.20	9.30
30	-43.10	8.40



FRONT VIEW

WirelessWERX, INC.
SiteWERX LOCATION
MODEL: SLN05
FCC SUBPART B AND C – RADIATED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400



REAR VIEW

WirelessWERX, INC.
SiteWERX LOCATION
MODEL: SLN05
FCC SUBPART B AND C – RADIATED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
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Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400



FRONT VIEW

WirelessWERX, INC.
SiteWERX LOCATION
MODEL: SLN05

FCC SUBPART B AND C – CONDUCTED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400



REAR VIEW

WirelessWERX, INC.
SiteWERX LOCATION
MODEL: SLN05
FCC SUBPART B AND C – CONDUCTED EMISSIONS

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

APPENDIX E

DATA SHEETS

RADIATED EMISIONS

DATA SHEETS

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	97.07	V	--	--	Peak	2.25	225	
2402	77.07	V	--	--	Avg	2.25	225	
4804	47.36	V	74	-26.64	Peak	1.35	135	
4804	27.36	V	54	-26.64	Avg	1.35	135	
7206	50.28	V	74	-23.72	Peak	1.36	150	
7206	30.28	V	54	-23.72	Avg	1.36	150	
9608		V	--	--	Peak			No Emission
9608		V	--	--	Avg			Detected
12010		V	74	-74	Peak			No Emission
12010		V	54	-54	Avg			Detected
14412		V	74	-74	Peak			No Emission
14412		V	54	-54	Avg			Detected
16814		V	74	-74	Peak			No Emission
16814		V	54	-54	Avg			Detected
19216		V	74	-74	Peak			No Emission
19216		V	54	-54	Avg			Detected
21618		V	74	-74	Peak			No Emission
21618		V	54	-54	Avg			Detected
24020		V	74	-74	Peak			No Emission
24020		V	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	98.98	H	--	--	Peak	1.35	150	
2402	78.98	H	--	--	Avg	1.35	150	
4804	52.03	H	74	-21.97	Peak	1.25	135	
4804	32.03	H	54	-21.97	Avg	1.25	135	
7206	52.26	H	74	-21.74	Peak	1.45	225	
7206	32.26	H	54	-21.74	Avg	1.45	225	
9608		H	--	--	Peak			No Emission
9608		H	--	--	Avg			Detected
12010		H	74	-74	Peak			No Emission
12010		H	54	-54	Avg			Detected
14412		H	74	-74	Peak			No Emission
14412		H	54	-54	Avg			Detected
16814		H	74	-74	Peak			No Emission
16814		H	54	-54	Avg			Detected
19216		H	74	-74	Peak			No Emission
19216		H	54	-54	Avg			Detected
21618		H	74	-74	Peak			No Emission
21618		H	54	-54	Avg			Detected
24020		H	74	-74	Peak			No Emission
24020		H	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	97.41	V	--	--	Peak	1.25	150	
2402	77.41	V	--	--	Avg	1.25	150	
4804	50.28	V	74	-23.72	Peak	1.25	45	
4804	30.28	V	54	-23.72	Avg	1.25	45	
7206	48.01	V	74	-25.99	Peak	1.25	150	
7206	28.01	V	54	-25.99	Avg	1.25	150	
9608		V	--	--	Peak			No Emission
9608		V	--	--	Avg			Detected
12010		V	74	-74	Peak			No Emission
12010		V	54	-54	Avg			Detected
14412		V	74	-74	Peak			No Emission
14412		V	54	-54	Avg			Detected
16814		V	74	-74	Peak			No Emission
16814		V	54	-54	Avg			Detected
19216		V	74	-74	Peak			No Emission
19216		V	54	-54	Avg			Detected
21618		V	74	-74	Peak			No Emission
21618		V	54	-54	Avg			Detected
24020		V	74	-74	Peak			No Emission
24020		V	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	98.13	H	--	--	Peak	1.25	180	
2402	78.13	H	--	--	Avg	1.25	180	
4804	50.71	H	74	-23.29	Peak	1.52	135	
4804	30.71	H	54	-23.29	Avg	1.52	135	
7206	50.95	H	74	-23.05	Peak	1.35	125	
7206	30.95	H	54	-23.05	Avg	1.35	125	
9608		H	--	--	Peak			No Emission
9608		H	--	--	Avg			Detected
12010		H	74	-74	Peak			No Emission
12010		H	54	-54	Avg			Detected
14412		H	74	-74	Peak			No Emission
14412		H	54	-54	Avg			Detected
16814		H	74	-74	Peak			No Emission
16814		H	54	-54	Avg			Detected
19216		H	74	-74	Peak			No Emission
19216		H	54	-54	Avg			Detected
21618		H	74	-74	Peak			No Emission
21618		H	54	-54	Avg			Detected
24020		H	74	-74	Peak			No Emission
24020		H	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	100.27	V	--	--	Peak	2.05	225	
2402	80.27	V	--	--	Avg	2.05	225	
4804	49.87	V	74	-24.13	Peak	1.45	135	
4804	29.87	V	54	-24.13	Avg	1.45	135	
7206	49.94	V	74	-24.06	Peak	1.35	135	
7206	29.94	V	54	-24.06	Avg	1.35	135	
9608		V	--	--	Peak			No Emission
9608		V	--	--	Avg			Detected
12010		V	74	-74	Peak			No Emission
12010		V	54	-54	Avg			Detected
14412		V	74	-74	Peak			No Emission
14412		V	54	-54	Avg			Detected
16814		V	74	-74	Peak			No Emission
16814		V	54	-54	Avg			Detected
19216		V	74	-74	Peak			No Emission
19216		V	54	-54	Avg			Detected
21618		V	74	-74	Peak			No Emission
21618		V	54	-54	Avg			Detected
24020		V	74	-74	Peak			No Emission
24020		V	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	100.08	H	--	--	Peak	1.02	180	
2402	80.08	H	--	--	Avg	1.02	180	
4804	47.86	H	74	-26.14	Peak	1.05	135	
4804	27.86	H	54	-26.14	Avg	1.05	135	
7206	45.89	H	74	-28.11	Peak	1.35	150	
7206	25.89	H	54	-28.11	Avg	1.35	150	
9608		H	--	--	Peak			No Emission
9608		H	--	--	Avg			Detected
12010		H	74	-74	Peak			No Emission
12010		H	54	-54	Avg			Detected
14412		H	74	-74	Peak			No Emission
14412		H	54	-54	Avg			Detected
16814		H	74	-74	Peak			No Emission
16814		H	54	-54	Avg			Detected
19216		H	74	-74	Peak			No Emission
19216		H	54	-54	Avg			Detected
21618		H	74	-74	Peak			No Emission
21618		H	54	-54	Avg			Detected
24020		H	74	-74	Peak			No Emission
24020		H	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	95.82	V	--	--	Peak	1.35	225	
2441	75.82	V	--	--	Avg	1.35	225	
4882	46.62	V	74	-27.38	Peak	1.58	150	
4882	26.62	V	54	-27.38	Avg	1.58	150	
7323	49.71	V	74	-24.29	Peak	1.59	175	
7323	29.71	V	54	-24.29	Avg	1.59	175	
9764		V	--	--	Peak			No Emission
9764		V	--	--	Avg			Detected
12205		V	74	-74	Peak			No Emission
12205		V	54	-54				Detected
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	74	-74	Peak			No Emission
19528		V	54	-54	Avg			Detected
21969		V	74	-74	Peak			No Emission
21969		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	95.32	H	--	--	Peak	1.45	150	
2441	75.32	H	--	--	Avg	1.45	150	
4882	47.43	H	74	-26.57	Peak	1.25	150	
4882	27.43	H	54	-26.57	Avg	1.25	150	
7323	46.63	H	74	-27.37	Peak	1.35	150	
7323	26.63	H	54	-27.37	Avg	1.35	150	
9764		H	--	--	Peak			No Emission
9764		H	--	--	Avg			Detected
12205		H	74	-74	Peak			No Emission
12205		H	54	-54	Avg			Detected
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	74	-74	Peak			No Emission
19528		H	54	-54	Avg			Detected
21969		H	74	-74	Peak			No Emission
21969		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	98.09	V	--	--	Peak	1.25	135	
2441	74.09	V	--	--	Avg	1.25	135	
4882	51.31	V	74	-22.69	Peak	1.58	150	
4882	31.31	V	54	-22.69	Avg	1.58	150	
7323	49.15	V	74	-24.85	Peak	1.58	150	
7323	29.15	V	54	-24.85	Avg	1.58	150	
9764		V	--	--	Peak			No Emission
9764		V	--	--	Avg			Detected
12205		V	74	-74	Peak			No Emission
12205		V	54	-54	Avg			Detected
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	74	-74	Peak			No Emission
19528		V	54	-54	Avg			Detected
21969		V	74	-74	Peak			No Emission
21969		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	98.84	H	--	--	Peak	1.25	150	
2441	78.84	H	--	--	Avg	1.25	150	
4882	50.74	H	74	-23.26	Peak	1.25	150	
4882	30.74	H	54	-23.26	Avg	1.25	150	
7323	47.42	H	74	-26.58	Peak	1.85	165	
7323	27.42	H	54	-26.58	Avg	1.85	165	
9764		H	--	--	Peak			No Emission
9764		H	--	--	Avg			Detected
12205		H	74	-74	Peak			No Emission
12205		H	54	-54	Avg			Detected
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	74	-74	Peak			No Emission
19528		H	54	-54	Avg			Detected
21969		H	74	-74	Peak			No Emission
21969		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	99.97	V	--	--	Peak	1.52	135	
2441	79.97	V	--	--	Avg	1.52	135	
4882	51.86	V	74	-22.14	Peak	1.59	150	
4882	31.86	V	54	-22.14	Avg	1.59	150	
7323	47.12	V	74	-26.88	Peak	1.25	150	
7323	27.12	V	54	-26.88	Avg	1.25	150	
9764		V	--	--	Peak			No Emission
9764		V	--	--	Avg			Detected
12205		V	74	-74	Peak			No Emission
12205		V	54	-54	Avg			Detected
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	74	-74	Peak			No Emission
19528		V	54	-54	Avg			Detected
21969		V	74	-74	Peak			No Emission
21969		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	92.56	H	--	--	Peak	1.25	150	
2441	72.56	H	--	--	Avg	1.25	150	
4882	44.09	H	74	-29.91	Peak	1.36	150	
4882	37.89	H	54	-16.11	Avg	1.36	150	
7323	44.68	H	74	-29.32	Peak	1.45	225	
7323	24.68	H	54	-29.32	Avg	1.45	225	
9764		H	--	--	Peak			No Emission
9764		H	--	--	Avg			Detected
12205		H	74	-74	Peak			No Emission
12205		H	54	-54	Avg			Detected
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	74	-74	Peak			No Emission
19528		H	54	-54	Avg			Detected
21969		H	74	-74	Peak			No Emission
21969		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	94.25	V	--	--	Peak	1.52	175	
2480	74.25	V	--	--	Avg	1.52	175	
4960	46.99	V	74	-27.01	Peak	1.25	165	
4960	26.99	V	54	-27.01	Avg	1.25	165	
7440	46.91	V	74	-27.09	Peak	1.45	150	
7440	26.91	V	54	-27.09	Avg	1.45	150	
9920		V	--	--	Peak			No Emission
9920		V	--	--	Avg			Detected
12400		V	74	-74	Peak			No Emission
12400		V	54	-54				Detected
14880		V	74	-74	Peak			No Emission
14880		V	54	-54	Avg			Detected
17360		V	74	-74	Peak			No Emission
17360		V	54	-54	Avg			Detected
19840		V	74	-74	Peak			No Emission
19840		V	54	-54	Avg			Detected
22320		V	74	-74	Peak			No Emission
22320		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	93.26	H	--	--	Peak	1.55	150	
2480	73.26	H	--	--	Avg	1.55	150	
4960	46.41	H	74	-27.59	Peak	1.48	125	
4960	26.41	H	54	-27.59	Avg	1.48	125	
7440	46.85	H	74	-27.15	Peak	1.48	135	
7440	26.85	H	54	-27.15	Avg	1.48	135	
9920		H	--	--	Peak			No Emission
9920		H	--	--	Avg			Detected
12400		H	74	-74	Peak			No Emission
12400		H	54	-54	Avg			Detected
14880		H	74	-74	Peak			No Emission
14880		H	54	-54	Avg			Detected
17360		H	74	-74	Peak			No Emission
17360		H	54	-54	Avg			Detected
19840		H	74	-74	Peak			No Emission
19840		H	54	-54	Avg			Detected
22320		H	74	-74	Peak			No Emission
22320		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	93.42	V	--	--	Peak	1.35	225	
2480	73.42	V	--	--	Avg	1.35	225	
4960	46.16	V	74	-27.84	Peak	1.25	150	
4960	26.16	V	54	-27.84	Avg	1.25	150	
7440	47.32	V	74	-26.68	Peak	1.58	180	
7440	27.32	V	54	-26.68	Avg	1.58	180	
9920		V	--	--	Peak			No Emission
9920		V	--	--	Avg			Detected
12400		V	74	-74	Peak			No Emission
12400		V	54	-54	Avg			Detected
14880		V	74	-74	Peak			No Emission
14880		V	54	-54	Avg			Detected
17360		V	74	-74	Peak			No Emission
17360		V	54	-54	Avg			Detected
19840		V	74	-74	Peak			No Emission
19840		V	54	-54	Avg			Detected
22320		V	74	-74	Peak			No Emission
22320		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	93.11	H	--	--	Peak	1.25	150	
2480	73.11	H	--	--	Avg	1.25	150	
4960	47.01	H	74	-26.99	Peak	1.48	175	
4960	27.01	H	54	-26.99	Avg	1.48	175	
7440	47.29	H	74	-26.71	Peak	1.58	150	
7440	27.29	H	54	-26.71	Avg	1.58	150	
9920		H	--	--	Peak			No Emission
9920		H	--	--	Avg			Detected
12400		H	74	-74	Peak			No Emission
12400		H	54	-54	Avg			Detected
14880		H	74	-74	Peak			No Emission
14880		H	54	-54	Avg			Detected
17360		H	74	-74	Peak			No Emission
17360		H	54	-54	Avg			Detected
19840		H	74	-74	Peak			No Emission
19840		H	54	-54	Avg			Detected
22320		H	74	-74	Peak			No Emission
22320		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	96.65	V	--	--	Peak	1.25	135	
2480	76.65	V	--	--	Avg	1.25	135	
4960	49.32	V	74	-24.68	Peak	1.58	175	
4960	29.32	V	54	-24.68	Avg	1.58	175	
7440	46.92	V	74	-27.08	Peak	1.25	135	
7440	26.92	V	54	-27.08	Avg	1.25	135	
9920		V	--	--	Peak			No Emission
9920		V	--	--	Avg			Detected
12400		V	74	-74	Peak			No Emission
12400		V	54	-54	Avg			Detected
14880		V	74	-74	Peak			No Emission
14880		V	54	-54	Avg			Detected
17360		V	74	-74	Peak			No Emission
17360		V	54	-54	Avg			Detected
19840		V	74	-74	Peak			No Emission
19840		V	54	-54	Avg			Detected
22320		V	74	-74	Peak			No Emission
22320		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	94.05	H	--	--	Peak	1.35	150	
2480	74.05	H	--	--	Avg	1.35	150	
4960	44.53	H	74	-29.47	Peak	1.25	135	
4960	24.53	H	54	-29.47	Avg	1.25	135	
7440	47.12	H	74	-26.88	Peak	1.65	135	
7440	27.12	H	54	-26.88	Avg	1.65	135	
9920		H	--	--	Peak			No Emission
9920		H	--	--	Avg			Detected
12400		H	74	-74	Peak			No Emission
12400		H	54	-54	Avg			Detected
14880		H	74	-74	Peak			No Emission
14880		H	54	-54	Avg			Detected
17360		H	74	-74	Peak			No Emission
17360		H	54	-54	Avg			Detected
19840		H	74	-74	Peak			No Emission
19840		H	54	-54	Avg			Detected
22320		H	74	-74	Peak			No Emission
22320		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

WirelessWERX, Inc.
SiteWERX Location
Model: SLN05

Date: 07/10/09
Lab: B
Tested By: Kyle Fujimoto

Non Harmonic Emissions from the Tx and Digital Portion 1 GHz to 25 GHz - Normal Mode

[illegible]

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	97.58	V	--	--	Peak	1.35	45	
2402	77.58	V	--	--	Avg	1.35	45	
4804	47.59	V	74	-26.41	Peak	1.52	180	
4804	27.59	V	54	-26.41	Avg	1.52	180	
7206	47.85	V	74	-26.15	Peak	1.52	135	
7206	27.85	V	54	-26.15	Avg	1.52	135	
9608		V	--	--	Peak			No Emission
9608		V	--	--	Avg			Detected
12010		V	74	-74	Peak			No Emission
12010		V	54	-54	Avg			Detected
14412		V	74	-74	Peak			No Emission
14412		V	54	-54	Avg			Detected
16814		V	74	-74	Peak			No Emission
16814		V	54	-54	Avg			Detected
19216		V	74	-74	Peak			No Emission
19216		V	54	-54	Avg			Detected
21618		V	74	-74	Peak			No Emission
21618		V	54	-54	Avg			Detected
24020		V	74	-74	Peak			No Emission
24020		V	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	100.32	H	--	--	Peak	1.25	135	
2402	80.32	H	--	--	Avg	1.25	135	
4804	46.58	H	74	-27.42	Peak	1.35	135	
4804	26.58	H	54	-27.42	Avg	1.35	135	
7206	48.52	H	74	-25.48	Peak	1.25	135	
7206	28.52	H	54	-25.48	Avg	1.25	135	
9608		H	--	--	Peak			No Emission
9608		H	--	--	Avg			Detected
12010		H	74	-74	Peak			No Emission
12010		H	54	-54	Avg			Detected
14412		H	74	-74	Peak			No Emission
14412		H	54	-54	Avg			Detected
16814		H	74	-74	Peak			No Emission
16814		H	54	-54	Avg			Detected
19216		H	74	-74	Peak			No Emission
19216		H	54	-54	Avg			Detected
21618		H	74	-74	Peak			No Emission
21618		H	54	-54	Avg			Detected
24020		H	74	-74	Peak			No Emission
24020		H	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	97.06	H	--	--	Peak	1.05	180	
2402	77.06	H	--	--	Avg	1.05	180	
4804	47.71	H	74	-26.29	Peak	1.16	180	
4804	27.71	H	54	-26.29	Avg	1.16	180	
7206	42.35	H	74	-31.65	Peak	1.25	150	
7206	22.35	H	54	-31.65	Avg	1.25	150	
9608		H	--	--	Peak			No Emission
9608		H	--	--	Avg			Detected
12010		H	74	-74	Peak			No Emission
12010		H	54	-54	Avg			Detected
14412		H	74	-74	Peak			No Emission
14412		H	54	-54	Avg			Detected
16814		H	74	-74	Peak			No Emission
16814		H	54	-54	Avg			Detected
19216		H	74	-74	Peak			No Emission
19216		H	54	-54	Avg			Detected
21618		H	74	-74	Peak			No Emission
21618		H	54	-54	Avg			Detected
24020		H	74	-74	Peak			No Emission
24020		H	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	103.24	V	--	--	Peak	1.51	180	
2402	83.24	V	--	--	Avg	1.51	180	
4804	50.29	V	74	-23.71	Peak	1.52	135	
4804	30.29	V	54	-23.71	Avg	1.52	135	
7206	50.15	V	74	-23.85	Peak	1.53	225	
7206	30.15	V	54	-23.85	Avg	1.53	225	
9608		V	--	--	Peak			No Emission
9608		V	--	--	Avg			Detected
12010		V	74	-74	Peak			No Emission
12010		V	54	-54	Avg			Detected
14412		V	74	-74	Peak			No Emission
14412		V	54	-54	Avg			Detected
16814		V	74	-74	Peak			No Emission
16814		V	54	-54	Avg			Detected
19216		V	74	-74	Peak			No Emission
19216		V	54	-54	Avg			Detected
21618		V	74	-74	Peak			No Emission
21618		V	54	-54	Avg			Detected
24020		V	74	-74	Peak			No Emission
24020		V	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	98.97	V	--	--	Peak	2.05	135	
2402	78.97	V	--	--	Avg	2.05	135	
4804	48.58	V	74	-25.42	Peak	1.35	135	
4804	28.58	V	54	-25.42	Avg	1.35	135	
7206	50.26	V	74	-23.74	Peak	1.25	150	
7206	30.26	V	54	-23.74	Avg	1.25	150	
9608		V	--	--	Peak			No Emission
9608		V	--	--	Avg			Detected
12010		V	74	-74	Peak			No Emission
12010		V	54	-54	Avg			Detected
14412		V	74	-74	Peak			No Emission
14412		V	54	-54	Avg			Detected
16814		V	74	-74	Peak			No Emission
16814		V	54	-54	Avg			Detected
19216		V	74	-74	Peak			No Emission
19216		V	54	-54	Avg			Detected
21618		V	74	-74	Peak			No Emission
21618		V	54	-54	Avg			Detected
24020		V	74	-74	Peak			No Emission
24020		V	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	95.57	H	--	--	Peak	1.02	180	
2402	75.57	H	--	--	Avg	1.02	180	
4804	49.58	H	74	-24.42	Peak	1.05	135	
4804	29.58	H	54	-24.42	Avg	1.05	135	
7206	46.85	H	74	-27.15	Peak	1.35	150	
7206	26.85	H	54	-27.15	Avg	1.35	150	
9608		H	--	--	Peak			No Emission
9608		H	--	--	Avg			Detected
12010		H	74	-74	Peak			No Emission
12010		H	54	-54	Avg			Detected
14412		H	74	-74	Peak			No Emission
14412		H	54	-54	Avg			Detected
16814		H	74	-74	Peak			No Emission
16814		H	54	-54	Avg			Detected
19216		H	74	-74	Peak			No Emission
19216		H	54	-54	Avg			Detected
21618		H	74	-74	Peak			No Emission
21618		H	54	-54	Avg			Detected
24020		H	74	-74	Peak			No Emission
24020		H	54	-54	Avg			Detected

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	94.62	V	--	--	Peak	1.05	225	
2441	74.62	V	--	--	Avg	1.05	225	
4882	45.06	V	74	-28.94	Peak	1.25	135	
4882	25.06	V	54	-28.94	Avg	1.25	135	
7323	47.25	V	74	-26.75	Peak	1.35	150	
7323	27.25	V	54	-26.75	Avg	1.35	150	
9764		V	--	--	Peak			No Emission
9764		V	--	--	Avg			Detected
12205		V	74	-74	Peak			No Emission
12205		V	54	-54				Detected
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	74	-74	Peak			No Emission
19528		V	54	-54	Avg			Detected
21969		V	74	-74	Peak			No Emission
21969		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			

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WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	95.81	H	--	--	Peak	1.25	135	
2441	75.81	H	--	--	Avg	1.25	135	
4882	43.58	H	74	-30.42	Peak	1.05	135	
4882	23.58	H	54	-30.42	Avg	1.05	135	
7323	43.58	H	74	-30.42	Peak	1.25	225	
7323	23.78	H	54	-30.22	Avg	1.25	225	
9764		H	--	--	Peak			No Emission
9764		H	--	--	Avg			Detected
12205		H	74	-74	Peak			No Emission
12205		H	54	-54	Avg			Detected
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	74	-74	Peak			No Emission
19528		H	54	-54	Avg			Detected
21969		H	74	-74	Peak			No Emission
21969		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	100.53	V	--	--	Peak	1	135	
2441	80.53	V	--	--	Avg	1	135	
4882	51.23	V	74	-22.77	Peak	1.25	315	
4882	31.23	V	54	-22.77	Avg	1.25	315	
7323	45.85	V	74	-28.15	Peak	1.25	135	
7323	25.85	V	54	-28.15	Avg	1.25	135	
9764		V	--	--	Peak			No Emission
9764		V	--	--	Avg			Detected
12205		V	74	-74	Peak			No Emission
12205		V	54	-54	Avg			Detected
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	74	-74	Peak			No Emission
19528		V	54	-54	Avg			Detected
21969		V	74	-74	Peak			No Emission
21969		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	95.63	H	--	--	Peak	1.35	150	
2441	75.63	H	--	--	Avg	1.35	150	
4882	45.61	H	74	-28.39	Peak	1.52	135	
4882	25.61	H	54	-28.39	Avg	1.52	135	
7323	45.25	H	74	-28.75	Peak	1.76	150	
7323	25.25	H	54	-28.75	Avg	1.76	150	
9764		H	--	--	Peak			No Emission
9764		H	--	--	Avg			Detected
12205		H	74	-74	Peak			No Emission
12205		H	54	-54	Avg			Detected
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	74	-74	Peak			No Emission
19528		H	54	-54	Avg			Detected
21969		H	74	-74	Peak			No Emission
21969		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	95.8	V	--	--	Peak	1.35	150	
2441	75.8	V	--	--	Avg	1.35	150	
4882	46.28	V	74	-27.72	Peak	1.52	135	
4882	26.28	V	54	-27.72	Avg	1.52	135	
7323	48.59	V	74	-25.41	Peak	1.58	155	
7323	28.59	V	54	-25.41	Avg	1.58	155	
9764		V	--	--	Peak			No Emission
9764		V	--	--	Avg			Detected
12205		V	74	-74	Peak			No Emission
12205		V	54	-54	Avg			Detected
14646		V	74	-74	Peak			No Emission
14646		V	54	-54	Avg			Detected
17087		V	74	-74	Peak			No Emission
17087		V	54	-54	Avg			Detected
19528		V	74	-74	Peak			No Emission
19528		V	54	-54	Avg			Detected
21969		V	74	-74	Peak			No Emission
21969		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2441	94.41	H	--	--	Peak	1.25	150	
2441	74.41	H	--	--	Avg	1.25	150	
4882	46.25	H	74	-27.75	Peak	1.36	150	
4882	26.25	H	54	-27.75	Avg	1.36	150	
7323	45.58	H	74	-28.42	Peak	1.45	225	
7323	25.58	H	54	-28.42	Avg	1.45	225	
9764		H	--	--	Peak			No Emission
9764		H	--	--	Avg			Detected
12205		H	74	-74	Peak			No Emission
12205		H	54	-54	Avg			Detected
14646		H	74	-74	Peak			No Emission
14646		H	54	-54	Avg			Detected
17087		H	74	-74	Peak			No Emission
17087		H	54	-54	Avg			Detected
19528		H	74	-74	Peak			No Emission
19528		H	54	-54	Avg			Detected
21969		H	74	-74	Peak			No Emission
21969		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	92.62	V	--	--	Peak	1.35	150	
2480	72.62	V	--	--	Avg	1.35	150	
4960	48.26	V	74	-25.74	Peak	1.19	150	
4960	28.26	V	54	-25.74	Avg	1.19	150	
7440	45.95	V	74	-28.05	Peak	1.38	135	
7440	25.95	V	54	-28.05	Avg	1.38	135	
9920		V	--	--	Peak			No Emission
9920		V	--	--	Avg			Detected
12400		V	74	-74	Peak			No Emission
12400		V	54	-54				Detected
14880		V	74	-74	Peak			No Emission
14880		V	54	-54	Avg			Detected
17360		V	74	-74	Peak			No Emission
17360		V	54	-54	Avg			Detected
19840		V	74	-74	Peak			No Emission
19840		V	54	-54	Avg			Detected
22320		V	74	-74	Peak			No Emission
22320		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

X-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	93.1	H	--	--	Peak	1.25	135	
2480	73.1	H	--	--	Avg	1.25	135	
4960	42.86	H	74	-31.14	Peak	1.35	150	
4960	22.86	H	54	-31.14	Avg	1.35	150	
7440	47.35	H	74	-26.65	Peak	1.29	180	
7440	57.35	H	54	3.35	Avg	1.29	180	
9920		H	--	--	Peak			No Emission
9920		H	--	--	Avg			Detected
12400		H	74	-74	Peak			No Emission
12400		H	54	-54	Avg			Detected
14880		H	74	-74	Peak			No Emission
14880		H	54	-54	Avg			Detected
17360		H	74	-74	Peak			No Emission
17360		H	54	-54	Avg			Detected
19840		H	74	-74	Peak			No Emission
19840		H	54	-54	Avg			Detected
22320		H	74	-74	Peak			No Emission
22320		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	98.58	V	--	--	Peak	1.35	225	
2480	78.58	V	--	--	Avg	1.35	225	
4960	48.63	V	74	-25.37	Peak	1.18	150	
4960	28.63	V	54	-25.37	Avg	1.18	150	
7440	49.35	V	74	-24.65	Peak	1.26	175	
7440	29.35	V	54	-24.65	Avg	1.26	175	
9920		V	--	--	Peak			No Emission
9920		V	--	--	Avg			Detected
12400		V	74	-74	Peak			No Emission
12400		V	54	-54	Avg			Detected
14880		V	74	-74	Peak			No Emission
14880		V	54	-54	Avg			Detected
17360		V	74	-74	Peak			No Emission
17360		V	54	-54	Avg			Detected
19840		V	74	-74	Peak			No Emission
19840		V	54	-54	Avg			Detected
22320		V	74	-74	Peak			No Emission
22320		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Y-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	91.33	H	--	--	Peak	1.35	150	
2480	71.33	H	--	--	Avg	1.35	150	
4960	45.28	H	74	-28.72	Peak	1.35	150	
4960	25.28	H	54	-28.72	Avg	1.35	150	
7440	44.33	H	74	-29.67	Peak	1.49	135	
7440	24.33	H	54	-29.67	Avg	1.49	135	
9920		H	--	--	Peak			No Emission
9920		H	--	--	Avg			Detected
12400		H	74	-74	Peak			No Emission
12400		H	54	-54	Avg			Detected
14880		H	74	-74	Peak			No Emission
14880		H	54	-54	Avg			Detected
17360		H	74	-74	Peak			No Emission
17360		H	54	-54	Avg			Detected
19840		H	74	-74	Peak			No Emission
19840		H	54	-54	Avg			Detected
22320		H	74	-74	Peak			No Emission
22320		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	95.08	V	--	--	Peak	1.25	135	
2480	75.08	V	--	--	Avg	1.25	135	
4960	48.69	V	74	-25.31	Peak	1.35	150	
4960	28.69	V	54	-25.31	Avg	1.35	150	
7440	49.21	V	74	-24.79	Peak	1.51	125	
7440	29.21	V	54	-24.79	Avg	1.51	125	
9920		V	--	--	Peak			No Emission
9920		V	--	--	Avg			Detected
12400		V	74	-74	Peak			No Emission
12400		V	54	-54	Avg			Detected
14880		V	74	-74	Peak			No Emission
14880		V	54	-54	Avg			Detected
17360		V	74	-74	Peak			No Emission
17360		V	54	-54	Avg			Detected
19840		V	74	-74	Peak			No Emission
19840		V	54	-54	Avg			Detected
22320		V	74	-74	Peak			No Emission
22320		V	54	-54	Avg			Detected
24410		V	74	-74	Peak			No Emission
24410		V	54	-54	Avg			Detected

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Z-Axis - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	94.35	H	--	--	Peak	1.35	150	
2480	74.35	H	--	--	Avg	1.35	150	
4960	46.25	H	74	-27.75	Peak	1.25	135	
4960	26.25	H	54	-27.75	Avg	1.25	135	
7440	44.26	H	74	-29.74	Peak	1.58	180	
7440	24.26	H	54	-29.74	Avg	1.58	180	
9920		H	--	--	Peak			No Emission
9920		H	--	--	Avg			Detected
12400		H	74	-74	Peak			No Emission
12400		H	54	-54	Avg			Detected
14880		H	74	-74	Peak			No Emission
14880		H	54	-54	Avg			Detected
17360		H	74	-74	Peak			No Emission
17360		H	54	-54	Avg			Detected
19840		H	74	-74	Peak			No Emission
19840		H	54	-54	Avg			Detected
22320		H	74	-74	Peak			No Emission
22320		H	54	-54	Avg			Detected
24410		H	74	-74	Peak			No Emission
24410		H	54	-54	Avg			Detected

Test Location	: Compatible Electronics	Page	: 1/1
Customer	: WirelessWERX, Inc.	Date	: 7/16/2009
Manufacturer	: WirelessWERX, Inc.	Time	: 9:48:40
Eut name	: Bluetooth Node	Lab	: A
Model	: SLN05	Test Distance	: 3.0
Serial #	: N/A		
Specification	: FCC B		
Distance correction factor (20 * log(test/spec)			: 0.00
Test Mode	: Radiated Emissions: 10 kHz to 1000 MHz		
	Vertical and Horizontal Polarization		
	Normal Mode		
	Tested By: Kyle Fujimoto		

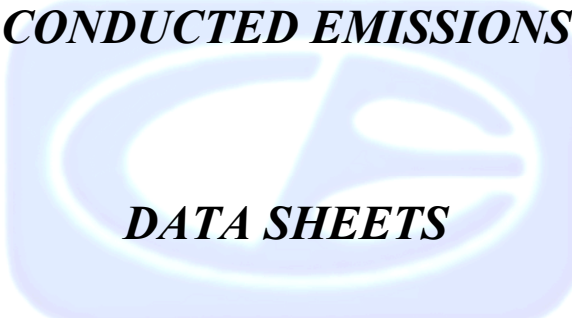
Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L dB
1V	58.654	60.80	1.56	8.76	33.51	37.61	40.00	-2.39
2V	58.654Qp	55.04	1.56	8.76	33.51	31.85	40.00	-8.15
3V	121.679	47.20	2.55	12.61	33.52	28.84	43.50	-14.66
4V	134.578	47.10	2.72	11.96	33.54	28.24	43.50	-15.26
5V	148.170	47.80	2.88	12.08	33.59	29.17	43.50	-14.33
6V	160.784	40.90	2.95	12.73	33.65	22.93	43.50	-20.57
7V	175.184	45.50	3.00	14.99	33.70	29.79	43.50	-13.71
8H	227.317	35.50	3.44	15.77	33.40	21.31	46.00	-24.69
9H	240.117	43.60	3.65	15.33	33.40	29.17	46.00	-16.83
10H	292.117	36.70	4.18	18.68	33.37	26.19	46.00	-19.81
11V	294.916	32.70	4.22	18.87	33.38	22.41	46.00	-23.59
12H	300.122	45.70	4.30	12.80	33.40	29.41	46.00	-16.59
13H	331.838	39.10	4.56	13.68	33.27	24.07	46.00	-21.93
14V	381.484	39.10	5.02	14.89	33.20	25.81	46.00	-20.19
15H	392.638	34.70	5.13	15.14	33.20	21.77	46.00	-24.23
16V	400.068	40.60	5.20	15.30	33.20	27.90	46.00	-18.10
17H	432.070	45.20	5.40	16.06	33.13	33.52	46.00	-12.48
18V	450.468	34.30	5.51	16.47	33.10	23.18	46.00	-22.82
19H	480.060	39.70	5.87	17.10	32.98	29.69	46.00	-16.31
20H	521.281	34.90	6.14	18.03	32.94	26.13	46.00	-19.87

Test Location : Compatible Electronics
 Customer : WirelessWERX, Inc.
 Manufacturer : WirelessWERX, Inc.
 Eut name : Bluetooth Node
 Model : SLN05
 Serial # : N/A
 Specification : FCC B
 Distance correction factor ($20 * \log(\text{test}/\text{spec})$) : 0.00
 Test Mode : Radiated Emissions: 10 kHz to 1000 MHz
 Vertical and Horizontal Polarization
 Re-Transmit Mode
 Tested By: Kyle Fujimoto

Page : 1/1
 Date : 7/16/2009
 Time : 11:09:10
 Lab : A
 Test Distance : 3.0

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L dB
1H	58.490	52.80	1.56	8.81	33.51	29.65	40.00	-10.35
2V	58.560	58.10	1.56	8.79	33.51	34.93	40.00	-5.07
3V	58.859	57.10	1.57	8.71	33.51	33.86	40.00	-6.14
4H	79.815	36.70	1.89	5.74	33.60	10.74	40.00	-29.26
5V	83.410	50.40	1.97	6.27	33.64	25.00	40.00	-15.00
6V	112.269	38.90	2.41	11.93	33.60	19.64	43.50	-23.86
7H	115.584	44.60	2.46	12.27	33.57	25.76	43.50	-17.74
8V	121.707	41.90	2.55	12.61	33.52	23.54	43.50	-19.96
9V	125.028	49.50	2.60	12.43	33.50	31.03	43.50	-12.47
10V	134.606	40.30	2.72	11.95	33.54	21.44	43.50	-22.06
11H	145.491	48.40	2.85	11.96	33.58	29.63	43.50	-13.87
12V	148.198	47.60	2.88	12.08	33.59	28.97	43.50	-14.53
13H	154.039	42.70	2.92	12.34	33.62	24.34	43.50	-19.16
14V	160.066	41.80	2.94	12.61	33.64	23.71	43.50	-19.79
15H	194.039	40.00	3.31	16.48	33.47	26.33	43.50	-17.17
16V	248.300	46.80	3.77	15.06	33.40	32.23	46.00	-13.77
17H	300.122	42.20	4.30	12.80	33.40	25.91	46.00	-20.09
18H	336.122	43.80	4.60	13.79	33.25	28.93	46.00	-17.07
19H	391.056	38.70	5.12	15.10	33.20	25.72	46.00	-20.28
20V	432.200	41.70	5.40	16.06	33.13	30.03	46.00	-15.97
21H	451.186	35.80	5.51	16.49	33.10	24.71	46.00	-21.29
22H	494.420	46.00	6.04	17.39	32.92	36.50	46.00	-9.50
23V	497.700	40.40	6.07	17.45	32.91	31.02	46.00	-14.98
24H	558.300	36.80	6.35	18.89	32.97	29.08	46.00	-16.92
25V	668.000	33.90	7.23	20.22	32.89	28.46	46.00	-17.54
26V	753.500	31.20	7.74	21.12	32.88	27.18	46.00	-18.82
27H	795.650	32.00	8.25	21.65	32.63	29.27	46.00	-16.73
28V	912.600	29.50	8.73	22.09	32.55	27.77	46.00	-18.23
29V	996.900	32.90	9.19	22.68	32.68	32.09	54.00	-21.91

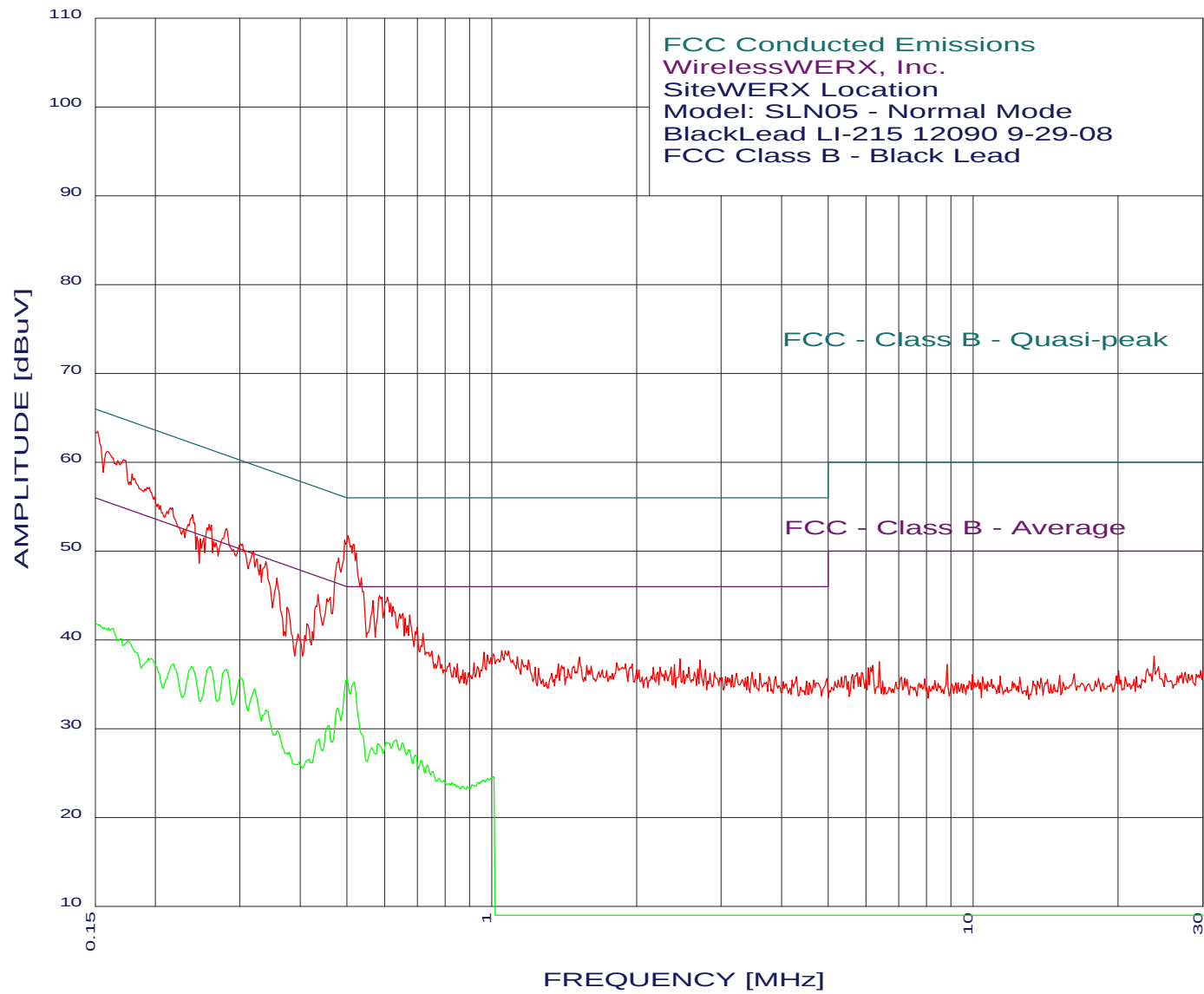
CONDUCTED EMISSIONS



DATA SHEETS

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

7/16/2009 13:57:03



COMPATIBLE
ELECTRONICS



**COMPATIBLE
ELECTRONICS**

7/16/2009 13:57:03

WirelessWERX, Inc.
SiteWERX Location
Model: SLN05 - Normal Mode
FCC Class B - Black Lead
TEST ENGINEER : Kyle Fujimoto

48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.502	51.69	46.00	5.69*
2	0.158	61.16	55.56	5.60*
3	0.518	50.69	46.00	4.69*
4	0.179	58.66	54.54	4.12*
5	0.481	49.19	46.32	2.88*
6	0.217	54.87	52.91	1.96*
7	0.239	54.07	52.12	1.95*
8	0.282	52.48	50.76	1.72*
9	0.259	52.98	51.47	1.51*
10	0.535	46.99	46.00	0.99*
11	0.304	50.78	50.14	0.63*
12	0.320	49.88	49.71	0.17*
13	0.252	51.47	51.68	-0.21*
14	0.265	51.08	51.29	-0.21*
15	0.244	51.57	51.95	-0.38*
16	0.339	48.78	49.22	-0.44*
17	0.248	51.37	51.82	-0.44*
18	0.331	48.48	49.44	-0.96*
19	0.586	44.99	46.00	-1.01*
20	0.608	44.79	46.00	-1.21*
21	0.567	44.39	46.00	-1.61*
22	0.358	46.98	48.78	-1.80*
23	0.461	44.79	46.67	-1.88*
24	0.618	44.10	46.00	-1.90*
25	0.435	45.09	47.15	-2.06*
26	0.624	43.70	46.00	-2.30*
27	0.655	43.00	46.00	-3.00*
28	0.676	42.80	46.00	-3.20*
29	0.662	42.40	46.00	-3.60*
30	0.701	41.40	46.00	-4.60*
31	0.375	43.68	48.38	-4.70*
32	0.720	40.70	46.00	-5.30*
33	0.413	41.79	47.59	-5.80*
34	1.049	38.80	46.00	-7.20
35	0.396	40.69	47.95	-7.26*
36	1.083	38.70	46.00	-7.30
37	0.963	38.60	46.00	-7.40*
38	1.006	38.40	46.00	-7.60*
39	0.979	38.30	46.00	-7.70*
40	0.775	38.30	46.00	-7.70*
41	1.130	38.10	46.00	-7.90
42	1.520	38.00	46.00	-8.00
43	2.462	37.82	46.00	-8.18
44	1.154	37.80	46.00	-8.20
45	2.707	37.72	46.00	-8.28
46	1.191	37.70	46.00	-8.30
47	1.820	37.41	46.00	-8.59
48	0.919	37.40	46.00	-8.60*

*Please See the Average Readings on the Next Page and on the Plot



**COMPATIBLE
ELECTRONICS**

7/16/2009 13:57:03

WirelessWERX, Inc.
SiteWERX Location
Model: SLN05 - Normal Mode
FCC Class B - Black Lead
TEST ENGINEER : Kyle Fujimoto

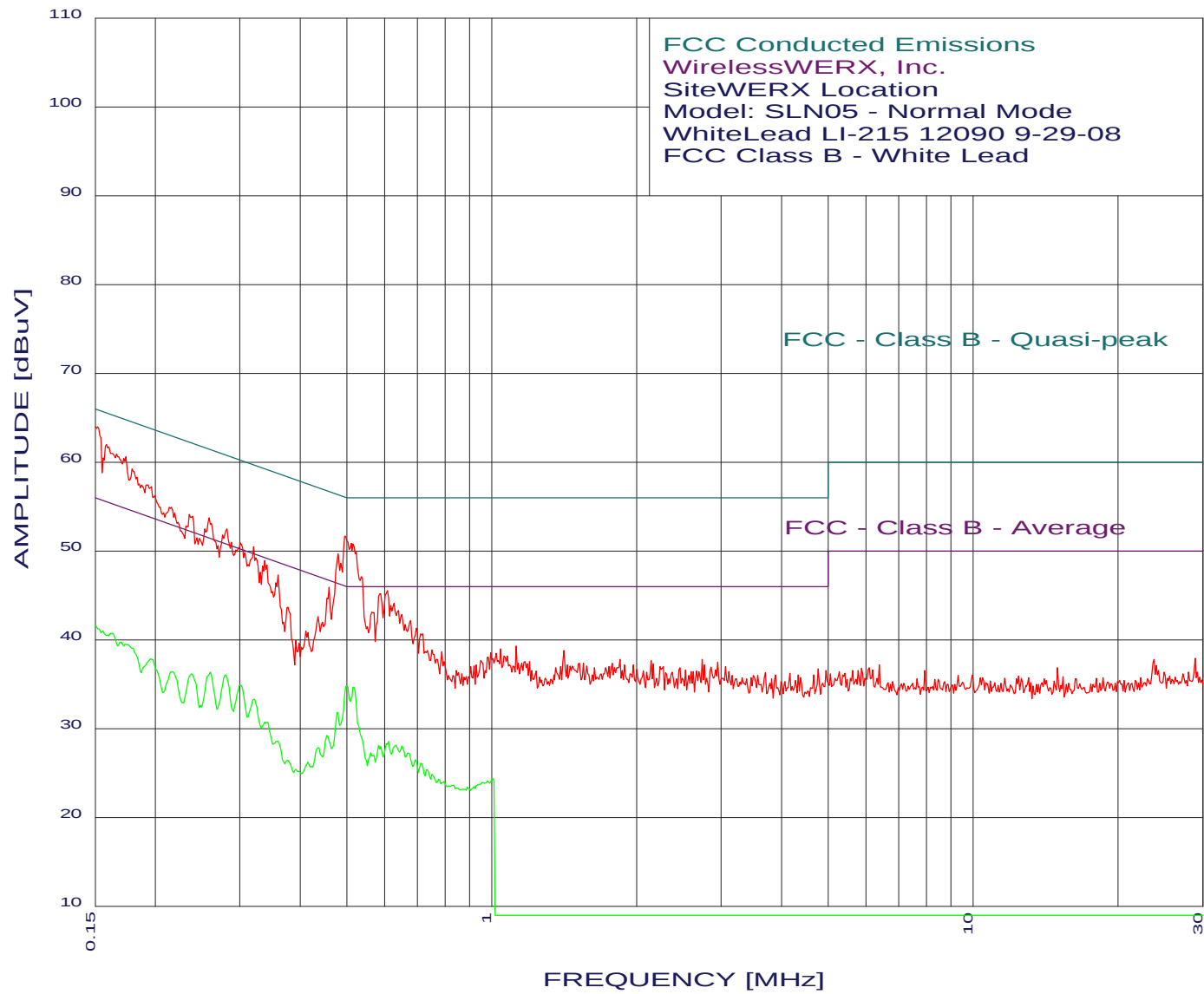
49 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.500	35.64	46.01	-10.36
2	0.518	35.24	46.00	-10.76
3	0.163	41.29	55.29	-14.00
4	0.479	32.28	46.36	-14.08
5	0.160	41.36	55.47	-14.11
6	0.153	41.68	55.82	-14.14
7	0.280	36.63	50.81	-14.18
8	0.157	41.33	55.64	-14.31
9	0.260	36.98	51.42	-14.45
10	0.300	35.70	50.23	-14.54
11	0.170	40.11	54.94	-14.83
12	0.175	39.87	54.72	-14.85
13	0.169	40.11	55.03	-14.92
14	0.238	36.98	52.17	-15.18
15	0.322	34.45	49.66	-15.21
16	0.219	37.26	52.87	-15.61
17	0.183	38.62	54.37	-15.75
18	0.196	37.83	53.80	-15.97
19	0.194	37.88	53.88	-16.01
20	0.459	30.32	46.71	-16.39
21	0.339	32.11	49.22	-17.11
22	0.634	28.74	46.00	-17.26
23	0.605	28.48	46.00	-17.52
24	0.611	28.35	46.00	-17.65
25	0.655	28.32	46.00	-17.68
26	0.583	28.27	46.00	-17.73
27	0.564	27.82	46.00	-18.18
28	0.438	28.82	47.11	-18.29
29	0.676	27.60	46.00	-18.40
30	0.694	27.06	46.00	-18.94
31	0.358	29.74	48.78	-19.04
32	0.713	26.38	46.00	-19.62
33	0.735	25.88	46.00	-20.12
34	0.755	25.16	46.00	-20.84
35	0.379	27.34	48.29	-20.95
36	0.417	26.53	47.50	-20.98
37	0.375	27.19	48.38	-21.19
38	1.006	24.58	46.00	-21.42
39	0.775	24.44	46.00	-21.56
40	0.979	24.37	46.00	-21.63
41	0.398	26.21	47.90	-21.69
42	0.958	24.24	46.00	-21.76
43	0.796	24.24	46.00	-21.76
44	0.948	24.03	46.00	-21.97
45	0.391	25.98	48.03	-22.06
46	0.939	23.88	46.00	-22.12
47	0.826	23.88	46.00	-22.12
48	0.818	23.81	46.00	-22.19
49	0.839	23.74	46.00	-22.26

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

7/16/2009 13:49:21





**COMPATIBLE
ELECTRONICS**

7/16/2009 13:49:21

WirelessWERX, Inc.
SiteWERX Location
Model: SLN05 - Normal Mode
FCC Class B - White Lead
TEST ENGINEER : Kyle Fujimoto

48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.158	62.00	55.56	6.44*
2	0.494	51.68	46.09	5.58*
3	0.179	59.20	54.54	4.66*
4	0.479	49.68	46.36	3.32*
5	0.259	53.70	51.47	2.23*
6	0.214	54.90	53.05	1.85*
7	0.235	54.10	52.25	1.84*
8	0.282	52.49	50.76	1.73*
9	0.320	50.49	49.71	0.78*
10	0.300	50.89	50.23	0.66*
11	0.338	48.89	49.26	-0.37*
12	0.608	45.55	46.00	-0.45*
13	0.459	45.88	46.71	-0.83*
14	0.589	45.15	46.00	-0.85*
15	0.360	47.29	48.73	-1.45*
16	0.331	47.59	49.44	-1.85*
17	0.627	44.11	46.00	-1.89*
18	0.564	43.12	46.00	-2.88*
19	0.679	42.17	46.00	-3.83*
20	0.435	42.58	47.15	-4.57*
21	0.377	43.69	48.34	-4.65*
22	0.698	41.25	46.00	-4.75*
23	0.720	40.65	46.00	-5.35*
24	0.411	40.98	47.63	-6.65*
25	1.124	39.25	46.00	-6.75
26	1.043	38.95	46.00	-7.05
27	0.751	38.85	46.00	-7.15*
28	1.412	38.76	46.00	-7.24
29	0.788	38.65	46.00	-7.35*
30	0.995	38.55	46.00	-7.45*
31	1.021	38.45	46.00	-7.55
32	1.077	38.15	46.00	-7.85
33	0.979	38.05	46.00	-7.95*
34	0.391	39.89	48.03	-8.15*
35	2.736	37.78	46.00	-8.22
36	1.849	37.76	46.00	-8.24
37	2.145	37.67	46.00	-8.33
38	0.948	37.65	46.00	-8.35*
39	1.197	37.56	46.00	-8.44
40	1.172	37.55	46.00	-8.45
41	2.948	37.48	46.00	-8.52
42	1.781	37.36	46.00	-8.64
43	1.552	37.36	46.00	-8.64
44	1.520	37.36	46.00	-8.64
45	2.168	37.27	46.00	-8.73
46	2.766	37.18	46.00	-8.82
47	1.971	37.16	46.00	-8.84
48	1.889	37.16	46.00	-8.84

*Please See the Average Readings on the Next Page and on the Plot



**COMPATIBLE
ELECTRONICS**

7/16/2009 13:49:21

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05 - Normal Mode

FCC Class B - White Lead

TEST ENGINEER : Kyle Fujimoto

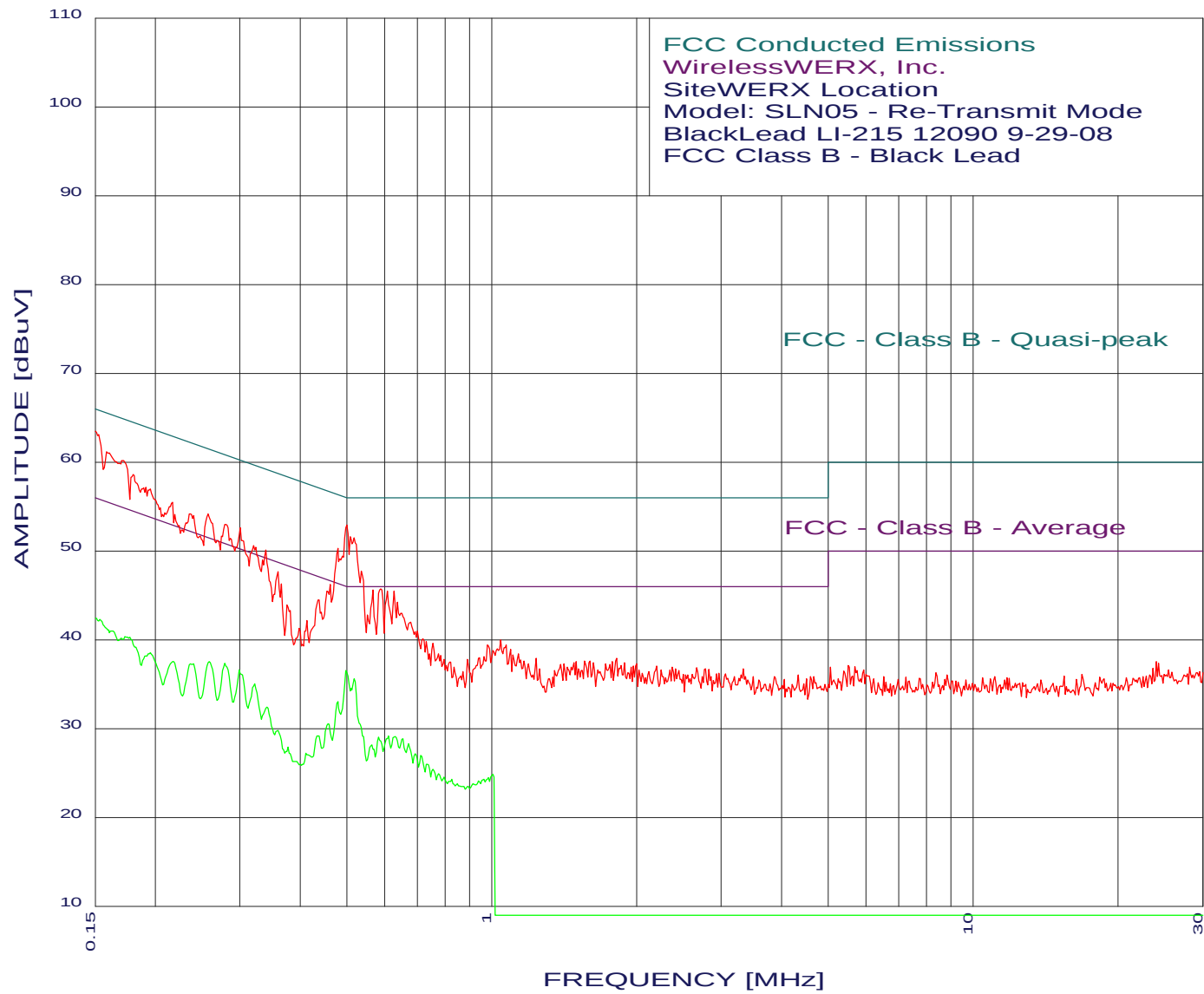
49 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.500	34.77	46.01	-11.24
2	0.516	34.64	46.00	-11.36
3	0.162	40.73	55.34	-14.61
4	0.476	31.77	46.40	-14.64
5	0.156	40.95	55.69	-14.74
6	0.280	36.01	50.81	-14.80
7	0.159	40.56	55.51	-14.96
8	0.260	36.34	51.42	-15.09
9	0.170	39.72	54.94	-15.22
10	0.174	39.49	54.77	-15.28
11	0.176	39.39	54.68	-15.29
12	0.169	39.74	55.03	-15.29
13	0.299	34.86	50.28	-15.42
14	0.198	37.80	53.71	-15.91
15	0.196	37.86	53.80	-15.94
16	0.238	36.18	52.17	-15.99
17	0.322	33.31	49.66	-16.35
18	0.217	36.42	52.91	-16.49
19	0.611	28.52	46.00	-17.48
20	0.454	29.24	46.80	-17.56
21	0.605	28.27	46.00	-17.73
22	0.631	28.11	46.00	-17.89
23	0.583	28.08	46.00	-17.92
24	0.651	28.05	46.00	-17.95
25	0.589	27.97	46.00	-18.03
26	0.341	30.75	49.18	-18.43
27	0.338	30.72	49.26	-18.54
28	0.561	27.27	46.00	-18.73
29	0.669	27.21	46.00	-18.79
30	0.570	26.97	46.00	-19.03
31	0.248	32.60	51.82	-19.22
32	0.435	27.84	47.15	-19.31
33	0.694	26.49	46.00	-19.51
34	0.713	26.11	46.00	-19.89
35	0.360	28.58	48.73	-20.16
36	0.356	28.53	48.82	-20.29
37	0.735	25.36	46.00	-20.64
38	0.751	24.86	46.00	-21.14
39	0.415	26.22	47.55	-21.32
40	1.006	24.32	46.00	-21.68
41	0.421	25.72	47.42	-21.70
42	0.775	24.26	46.00	-21.74
43	0.979	24.12	46.00	-21.88
44	0.377	26.44	48.34	-21.90
45	0.796	24.05	46.00	-21.95
46	0.958	23.91	46.00	-22.09
47	0.835	23.61	46.00	-22.39
48	0.818	23.54	46.00	-22.46
49	0.919	23.46	46.00	-22.54

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

7/16/2009 13:23:47





**COMPATIBLE
ELECTRONICS**

7/16/2009 13:23:47

WirelessWERX, Inc.
SiteWERX Location
Model: SLN05 - Re-Transmit Mode
FCC Class B - Black Lead
TEST ENGINEER : Kyle Fujimoto

48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.500	52.89	46.01	6.89*
2	0.158	61.16	55.56	5.60*
3	0.508	51.59	46.00	5.59*
4	0.180	58.56	54.50	4.07*
5	0.479	50.29	46.36	3.93*
6	0.258	54.17	51.51	2.67*
7	0.217	55.47	52.91	2.56*
8	0.300	52.58	50.23	2.34*
9	0.280	52.98	50.81	2.17*
10	0.237	54.17	52.21	1.96*
11	0.535	47.69	46.00	1.69*
12	0.320	50.58	49.71	0.87*
13	0.339	50.08	49.22	0.86*
14	0.589	45.69	46.00	-0.31*
15	0.567	45.59	46.00	-0.41*
16	0.461	46.19	46.67	-0.48*
17	0.627	45.50	46.00	-0.50*
18	0.608	45.49	46.00	-0.51*
19	0.360	47.68	48.73	-1.05*
20	0.637	44.20	46.00	-1.80*
21	0.365	46.28	48.61	-2.32*
22	0.438	44.49	47.11	-2.62*
23	0.375	43.88	48.38	-4.50*
24	0.413	42.19	47.59	-5.40*
25	0.720	40.10	46.00	-5.90*
26	1.043	40.00	46.00	-6.00
27	0.731	39.80	46.00	-6.20*
28	0.755	39.60	46.00	-6.40*
29	1.072	39.40	46.00	-6.60
30	0.979	39.40	46.00	-6.60*
31	0.398	41.29	47.90	-6.61*
32	1.094	38.90	46.00	-7.10
33	1.136	38.40	46.00	-7.60
34	1.106	38.30	46.00	-7.70
35	0.944	38.00	46.00	-8.00*
36	1.820	37.91	46.00	-8.09
37	1.236	37.90	46.00	-8.10
38	0.890	37.80	46.00	-8.20*
39	1.603	37.61	46.00	-8.39
40	1.560	37.61	46.00	-8.39
41	1.781	37.51	46.00	-8.49
42	1.496	37.50	46.00	-8.50
43	0.822	37.50	46.00	-8.50*
44	1.889	37.41	46.00	-8.59
45	1.629	37.41	46.00	-8.59
46	1.480	37.40	46.00	-8.60
47	2.002	37.31	46.00	-8.69
48	1.726	37.31	46.00	-8.69

*Please See the Average Readings on the Next Page and on the Plot



**COMPATIBLE
ELECTRONICS**

7/16/2009 13:23:47

WirelessWERX, Inc.
SiteWERX Location
Model: SLN05 - Re-Transmit Mode
FCC Class B - Black Lead
TEST ENGINEER : Kyle Fujimoto

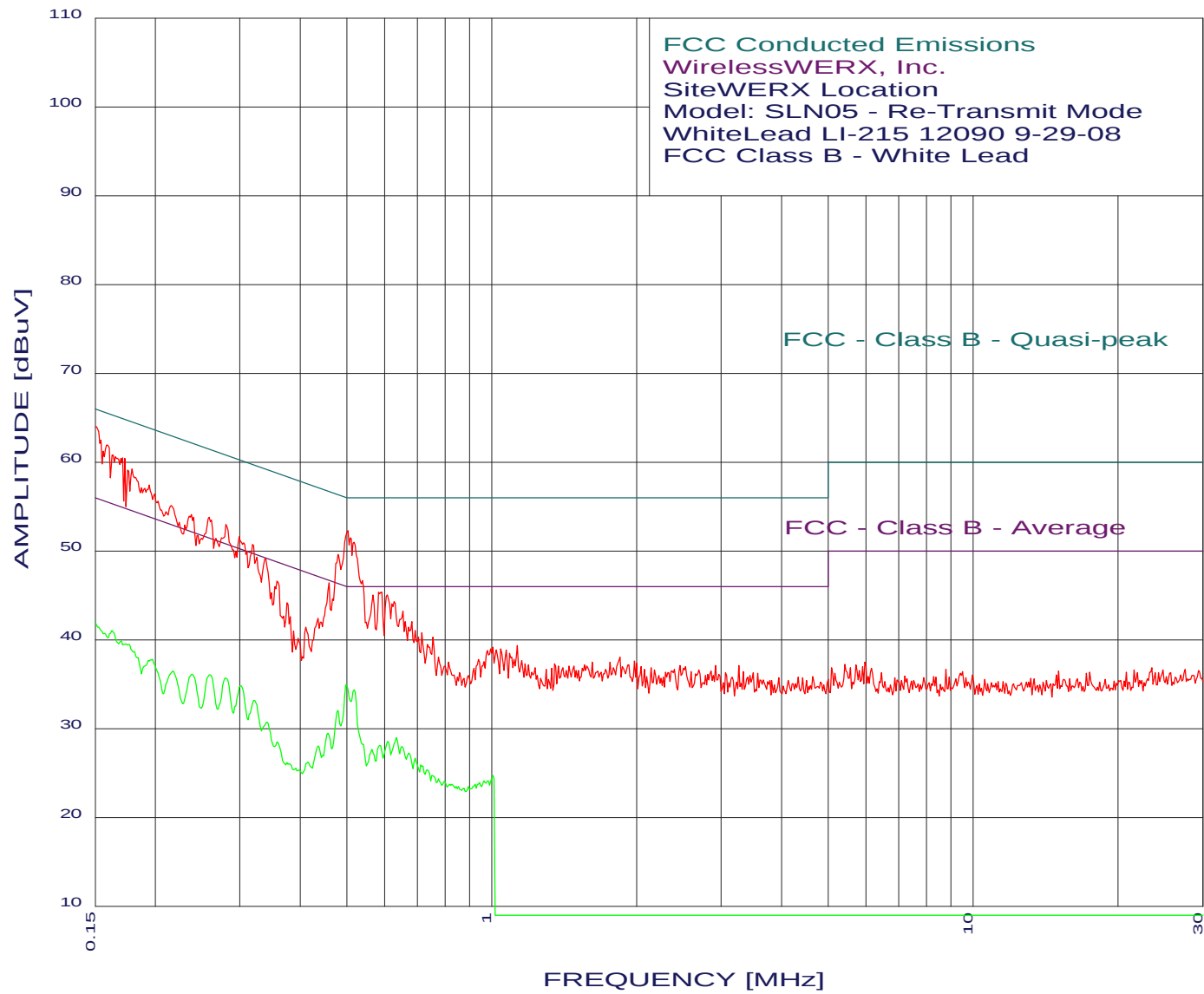
49 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.00 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.497	36.53	46.05	-9.52
2	0.518	35.60	46.00	-10.40
3	0.510	34.55	46.00	-11.45
4	0.479	33.00	46.36	-13.36
5	0.279	37.37	50.85	-13.48
6	0.153	42.25	55.82	-13.57
7	0.299	36.60	50.28	-13.68
8	0.259	37.56	51.47	-13.91
9	0.162	41.00	55.34	-14.34
10	0.177	40.28	54.63	-14.35
11	0.175	40.29	54.72	-14.43
12	0.173	40.33	54.81	-14.48
13	0.322	35.05	49.66	-14.61
14	0.240	37.28	52.08	-14.80
15	0.170	40.13	54.94	-14.81
16	0.237	37.28	52.21	-14.93
17	0.196	38.51	53.80	-15.29
18	0.219	37.54	52.87	-15.33
19	0.457	30.52	46.76	-16.24
20	0.341	32.41	49.18	-16.77
21	0.611	29.18	46.00	-16.82
22	0.631	29.11	46.00	-16.89
23	0.583	29.02	46.00	-16.98
24	0.655	28.83	46.00	-17.17
25	0.672	28.28	46.00	-17.72
26	0.564	28.18	46.00	-17.82
27	0.438	29.14	47.11	-17.97
28	0.433	29.18	47.19	-18.02
29	0.570	27.68	46.00	-18.32
30	0.694	27.16	46.00	-18.84
31	0.360	29.77	48.73	-18.96
32	0.713	26.96	46.00	-19.04
33	0.735	25.99	46.00	-20.01
34	0.377	27.90	48.34	-20.43
35	0.411	27.20	47.63	-20.44
36	0.415	27.05	47.55	-20.50
37	0.755	25.41	46.00	-20.59
38	0.775	24.91	46.00	-21.09
39	1.006	24.84	46.00	-21.16
40	0.796	24.51	46.00	-21.49
41	0.984	24.44	46.00	-21.56
42	0.963	24.31	46.00	-21.69
43	0.826	24.31	46.00	-21.69
44	0.393	26.26	47.99	-21.74
45	0.400	25.98	47.86	-21.88
46	0.939	24.10	46.00	-21.90
47	0.914	23.81	46.00	-22.19
48	0.849	23.81	46.00	-22.19
49	0.858	23.51	46.00	-22.49

EMISSION LEVEL [dBuV] PEAK
Graph for Peak & Average

7/16/2009 13:32:27





**COMPATIBLE
ELECTRONICS**

7/16/2009 13:32:27

WirelessWERX, Inc.
SiteWERX Location
Model: SLN05 - Re-Transmit Mode
FCC Class B - White Lead
TEST ENGINEER : Kyle Fujimoto

48 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 1.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.159	61.90	55.51	6.38*
2	0.502	52.28	46.00	6.28*
3	0.173	60.40	54.81	5.59*
4	0.163	60.80	55.29	5.50*
5	0.518	50.97	46.00	4.97*
6	0.179	59.20	54.54	4.66*
7	0.175	59.10	54.72	4.38*
8	0.479	49.58	46.36	3.22*
9	0.259	53.80	51.47	2.33*
10	0.280	53.00	50.81	2.19*
11	0.216	55.10	52.96	2.14*
12	0.238	54.10	52.17	1.93*
13	0.299	51.59	50.28	1.31*
14	0.318	50.69	49.75	0.94*
15	0.338	49.09	49.26	-0.17*
16	0.459	46.38	46.71	-0.33*
17	0.592	45.37	46.00	-0.63*
18	0.608	45.05	46.00	-0.95*
19	0.567	45.04	46.00	-0.96*
20	0.627	44.31	46.00	-1.69*
21	0.358	46.59	48.78	-2.19*
22	0.655	43.23	46.00	-2.77*
23	0.683	42.06	46.00	-3.94*
24	0.662	42.01	46.00	-3.99*
25	0.375	44.19	48.38	-4.20*
26	0.435	42.38	47.15	-4.77*
27	0.694	41.05	46.00	-4.95*
28	0.716	40.75	46.00	-5.25*
29	0.755	40.25	46.00	-5.75*
30	0.411	41.38	47.63	-6.25*
31	0.735	39.45	46.00	-6.55*
32	1.130	39.35	46.00	-6.65
33	1.006	39.15	46.00	-6.85*
34	1.043	38.95	46.00	-7.05
35	0.387	40.99	48.12	-7.13*
36	1.072	38.85	46.00	-7.15
37	1.021	38.85	46.00	-7.15
38	1.089	38.45	46.00	-7.55
39	0.396	40.18	47.95	-7.76*
40	1.849	38.06	46.00	-7.94
41	0.775	38.05	46.00	-7.95*
42	0.939	37.75	46.00	-8.25*
43	1.154	37.65	46.00	-8.35
44	1.981	37.56	46.00	-8.44
45	1.763	37.46	46.00	-8.54
46	1.620	37.46	46.00	-8.54
47	0.814	37.45	46.00	-8.55*
48	2.002	37.36	46.00	-8.64

*Please See the Average Readings on the Next page and on the Plot



**COMPATIBLE
ELECTRONICS**

7/16/2009 13:32:27

WirelessWERX, Inc.
SiteWERX Location
Model: SLN05 - Re-Transmit Mode
FCC Class B - White Lead
TEST ENGINEER : Kyle Fujimoto

49 highest peaks above -50.00 dB of FCC - Class B - Average limit line

Peak criteria : 0.00 dB, Curve : Average

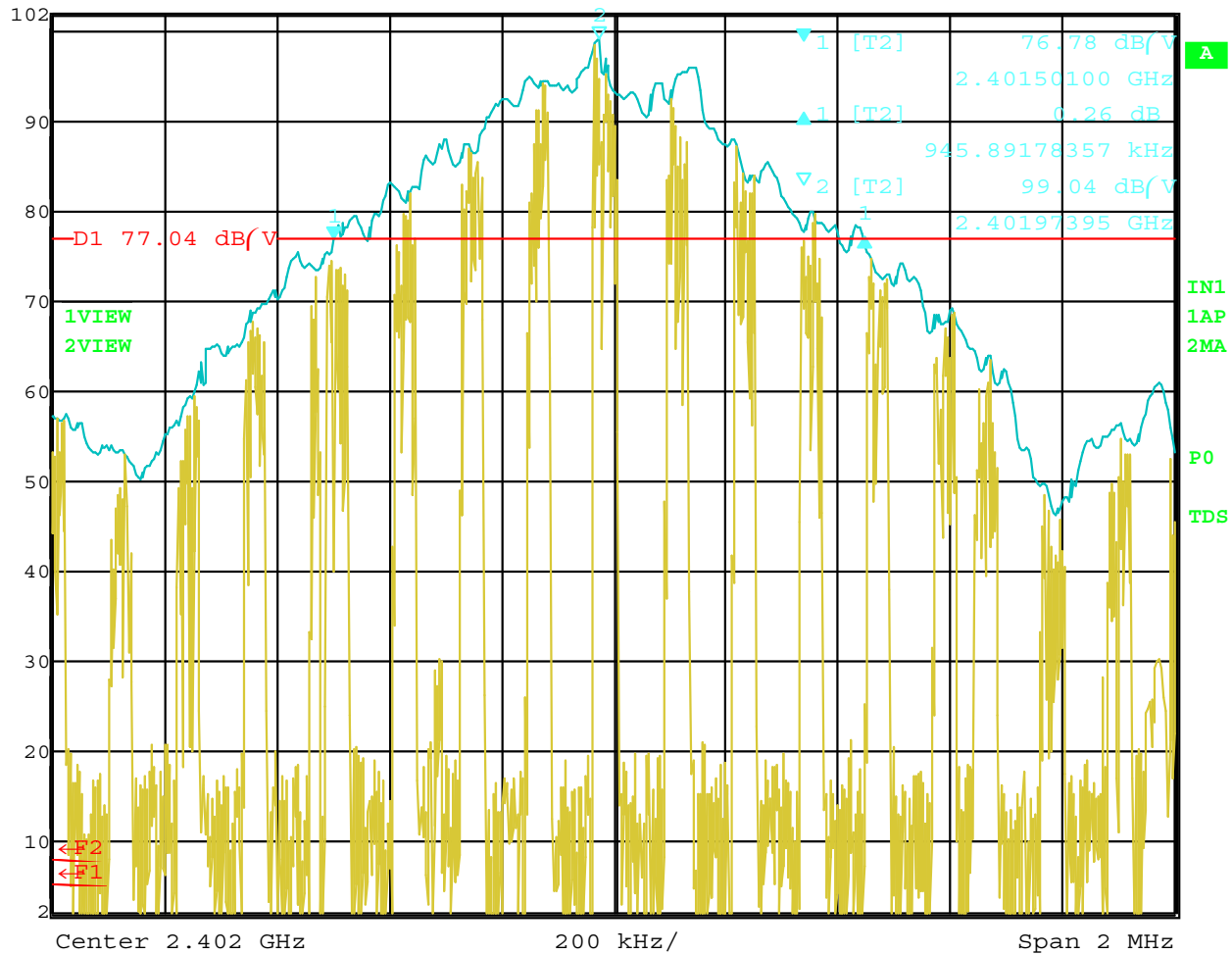
Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.497	34.93	46.05	-11.12
2	0.518	34.37	46.00	-11.63
3	0.162	41.03	55.34	-14.31
4	0.479	32.05	46.36	-14.31
5	0.157	40.71	55.64	-14.94
6	0.170	39.87	54.98	-15.12
7	0.280	35.65	50.81	-15.16
8	0.176	39.44	54.68	-15.24
9	0.174	39.51	54.77	-15.26
10	0.260	36.04	51.42	-15.39
11	0.300	34.76	50.23	-15.47
12	0.181	38.68	54.46	-15.78
13	0.198	37.80	53.71	-15.91
14	0.239	36.11	52.12	-16.02
15	0.194	37.68	53.88	-16.20
16	0.184	37.98	54.28	-16.30
17	0.217	36.49	52.91	-16.42
18	0.320	33.17	49.71	-16.54
19	0.634	28.96	46.00	-17.04
20	0.457	29.46	46.76	-17.30
21	0.608	28.56	46.00	-17.44
22	0.541	28.21	46.00	-17.79
23	0.586	28.09	46.00	-17.91
24	0.651	27.96	46.00	-18.04
25	0.564	27.66	46.00	-18.34
26	0.341	30.75	49.18	-18.43
27	0.672	27.25	46.00	-18.75
28	0.435	28.01	47.15	-19.14
29	0.694	26.65	46.00	-19.35
30	0.445	26.94	46.98	-20.03
31	0.713	25.89	46.00	-20.11
32	0.720	25.77	46.00	-20.23
33	0.358	28.49	48.78	-20.29
34	0.735	25.36	46.00	-20.64
35	1.006	24.73	46.00	-21.27
36	0.751	24.73	46.00	-21.27
37	0.415	26.22	47.55	-21.32
38	0.775	24.32	46.00	-21.68
39	0.984	24.12	46.00	-21.88
40	0.963	24.12	46.00	-21.88
41	0.801	24.05	46.00	-21.95
42	0.944	23.91	46.00	-22.09
43	0.375	26.17	48.38	-22.22
44	0.379	26.06	48.29	-22.24
45	0.924	23.69	46.00	-22.31
46	0.826	23.69	46.00	-22.31
47	0.818	23.69	46.00	-22.31
48	0.391	25.55	48.03	-22.49
49	0.895	23.46	46.00	-22.54

-20 dB BANDWIDTH

DATA SHEETS



Delta 1 [T2] RBW 30 kHz RF Att 10 dB
Ref Lvl 0.26 dB VBW 100 kHz
102 dB/V 945.89178357 kHz SWT 6 ms Unit dB/V

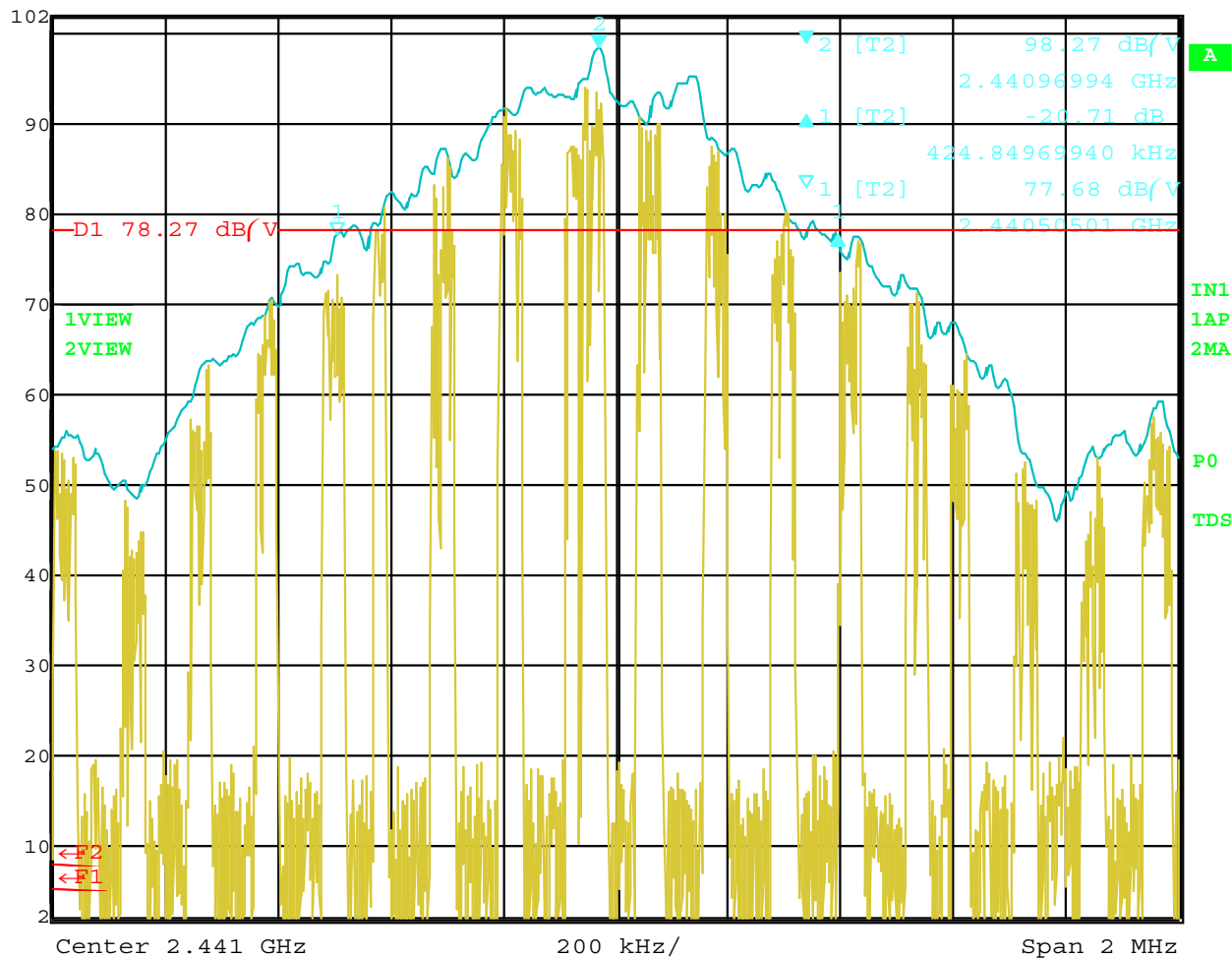


Date: 10.JUL.2009 09:56:31

20 dB Bandwidth of Fundamental – Low Channel



Delta 1 [T2] RBW 30 kHz RF Att 10 dB
Ref Lvl -20.71 dB VBW 100 kHz
102 dB/V 424.84969940 kHz SWT 6 ms Unit dB/V

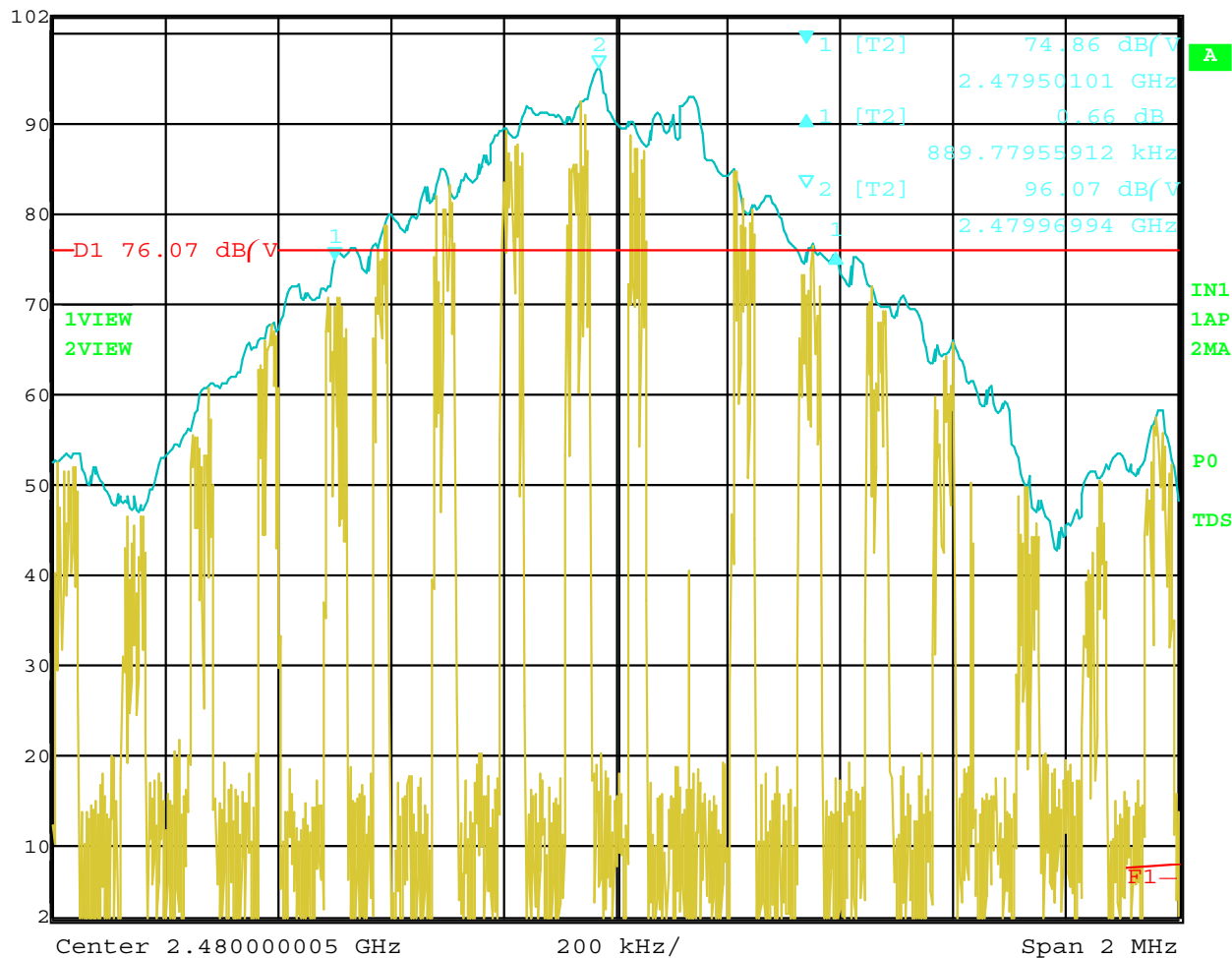


Date: 10.JUL.2009 11:25:55

20 dB Bandwidth of Fundamental – Middle Channel



Delta 1 [T2] RBW 30 kHz RF Att 10 dB
Ref Lvl 0.66 dB VBW 100 kHz
102 dB/V 889.77955912 kHz SWT 6 ms Unit dB/V

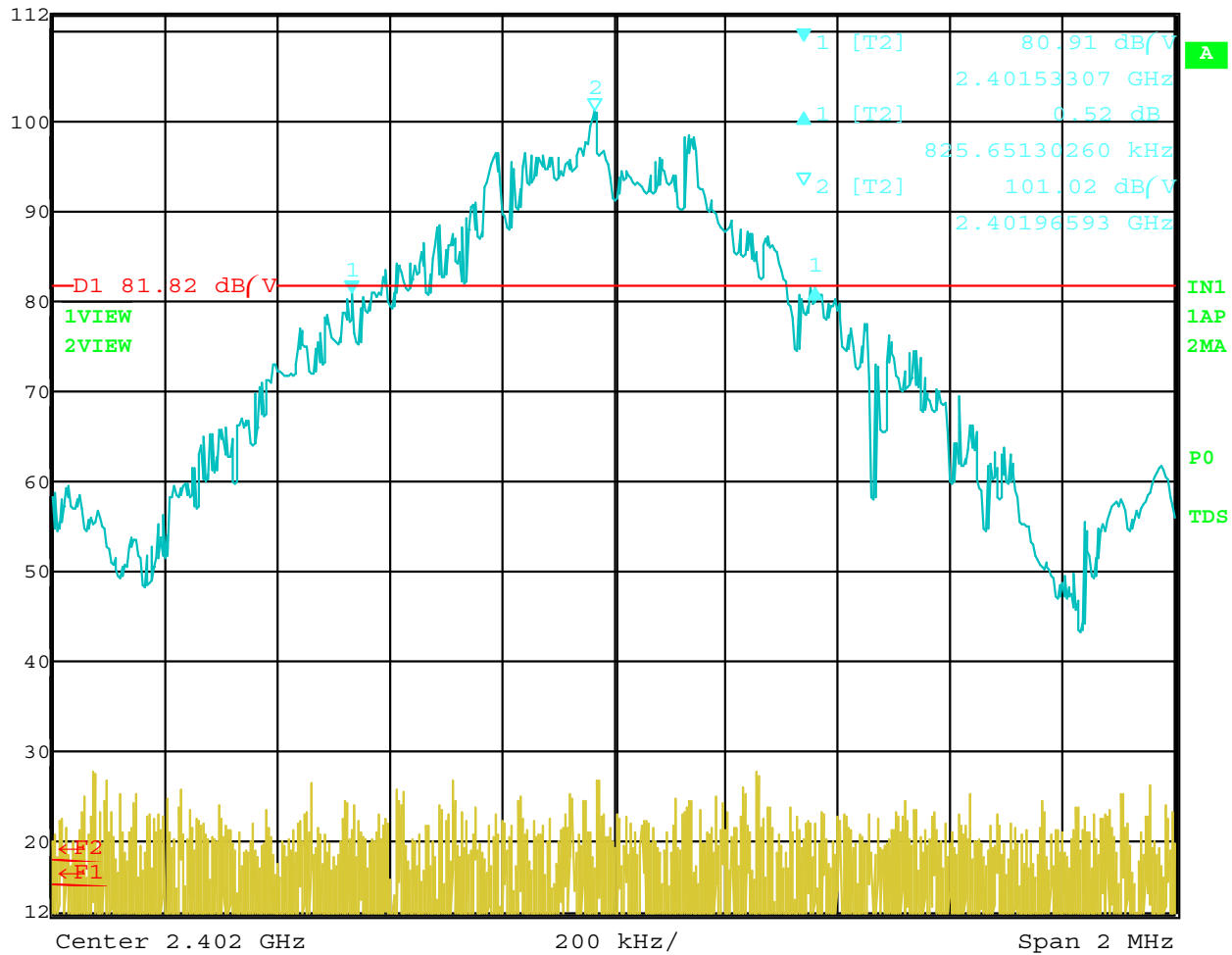


Date: 10.JUL.2009 14:14:11

20 dB Bandwidth of Fundamental - High Channel



Ref Lvl 112 dB/V
Delta 1 [T2] 0.52 dB
825.65130260 kHz
RBW 30 kHz
VBW 100 kHz
SWT 6 ms
RF Att 20 dB
Unit dB/V

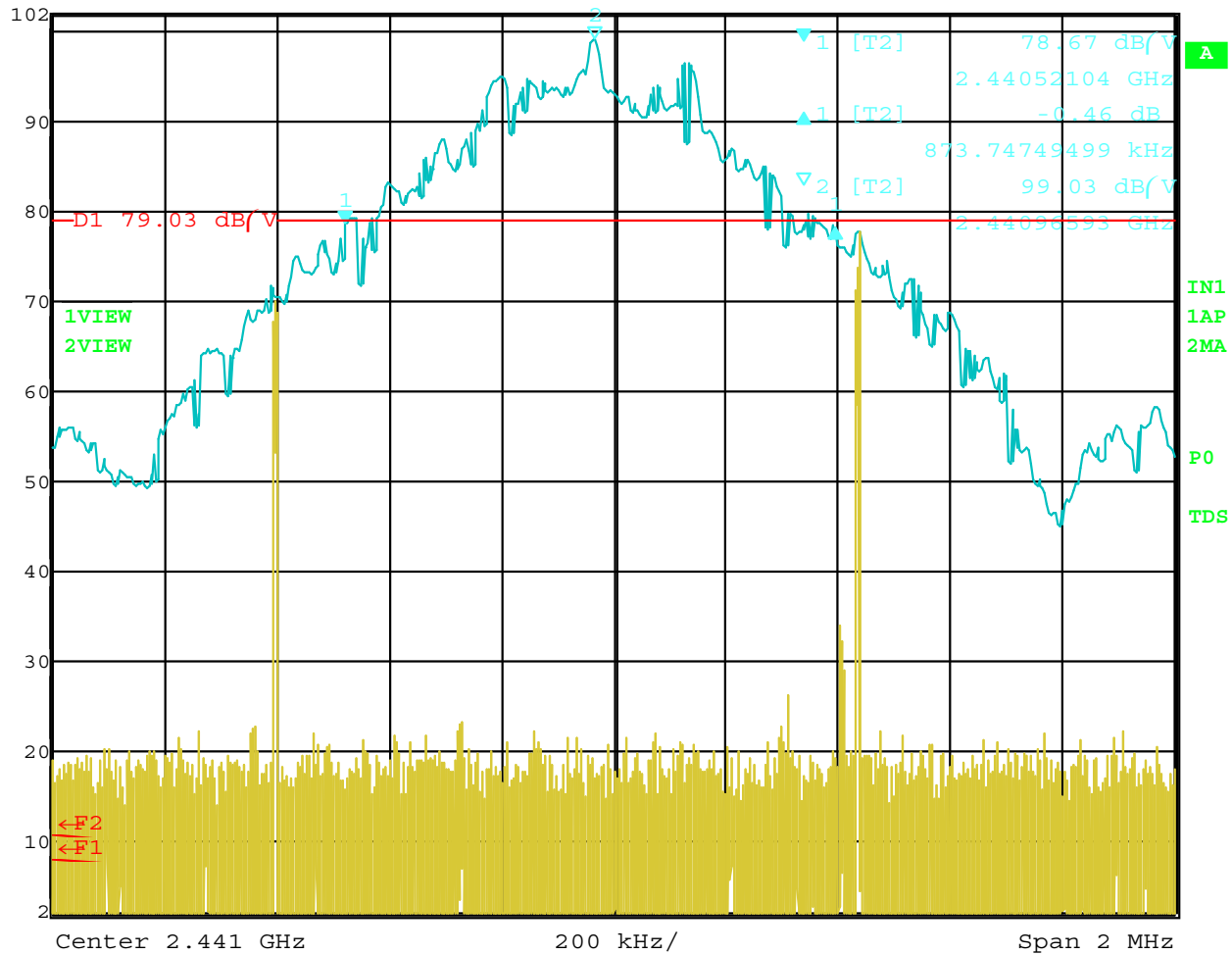


Date: 13.JUL.2009 08:55:53

20 dB Bandwidth of Fundamental – Low Channel - Re-Transmit Mode



Delta 1 [T2] RBW 30 kHz RF Att 10 dB
Ref Lvl -0.46 dB VBW 100 kHz
102 dB/V 873.74749499 kHz SWT 100 ms Unit dB/V

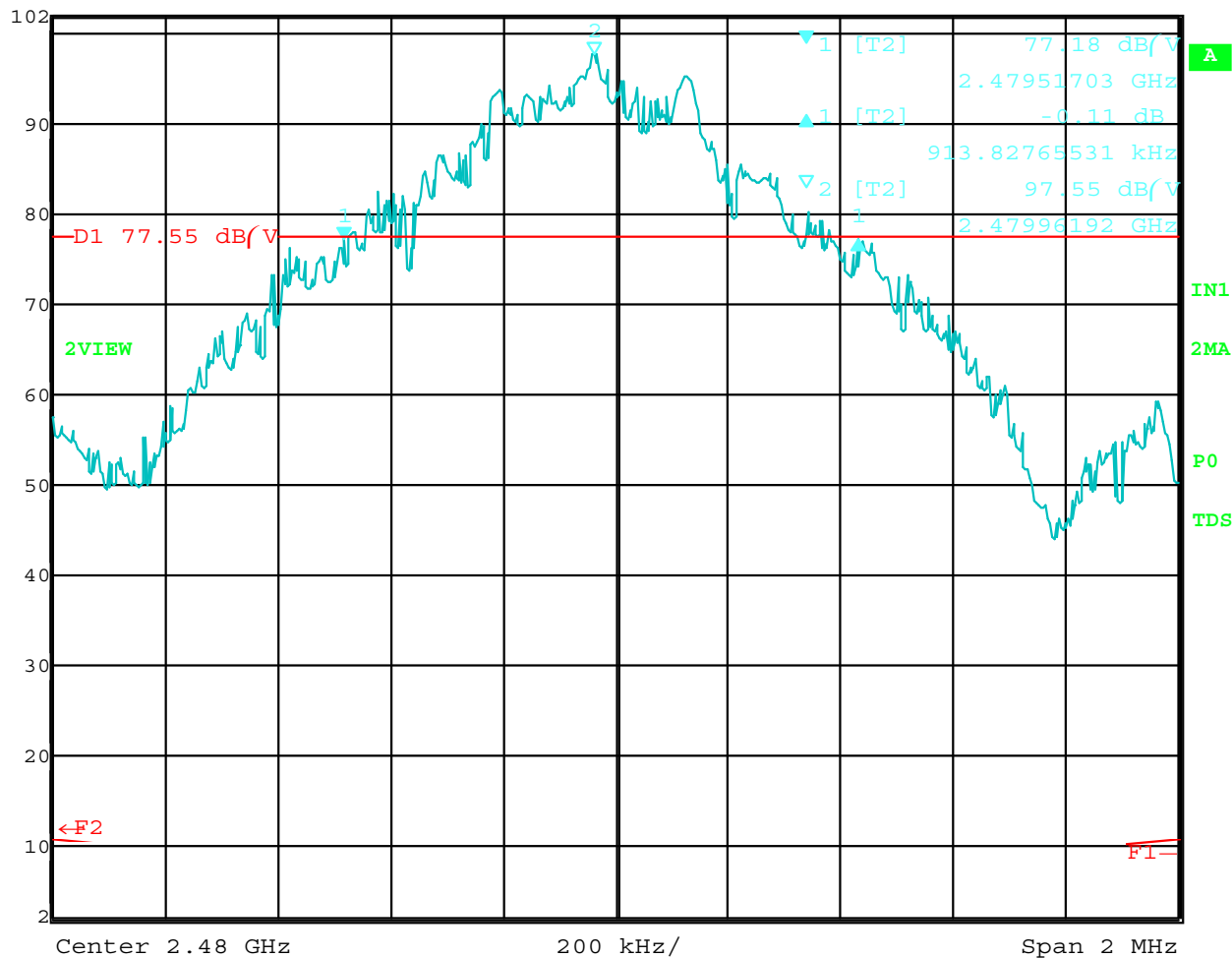


Date: 13.JUL.2009 09:43:47

20 dB Bandwidth of Fundamental – Middle Channel - Re- Transmit Mode



Delta 1 [T2] RBW 30 kHz RF Att 10 dB
Ref Lvl -0.11 dB VBW 100 kHz
102 dB/V 913.82765531 kHz SWT 100 ms Unit dB/V



Date: 13.JUL.2009 11:18:00

20 dB Bandwidth of Fundamental – High Channel - Re-Transmit Mode

PEAK POWER OUTPUT

DATA SHEETS

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Configuration: With Internal Antenna

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Peak Output Power - Normal Mode

Freq. (MHz)	Level (dBuV)	Level (V/m)	Antenna Gain (dBi)	Numeric Gain	Power Output (Watts)	Power Output (mW)	Power Output (dBm)	Comments
2402	95.01	0.0562989	0.8	1.202264	0.0007909	0.7909	-1.02	Vert. X-Axis
2441	95.82	0.0618016	0.8	1.202264	0.0009531	0.95306	-0.21	Vert. X-Axis
2480	94.25	0.0515822	0.8	1.202264	0.0006639	0.66393	-1.78	Vert. X-Axis
2402	97.41	0.0742164	0.8	1.202264	0.0013744	1.37443	1.38	Vert. Y-Axis
2441	98.09	0.0802602	0.8	1.202264	0.0016074	1.60739	2.06	Vert. Y-Axis
2480	93.42	0.0468813	0.8	1.202264	0.0005484	0.54843	-2.61	Vert. Y-Axis
2402	100.27	0.1031573	0.8	1.202264	0.0026553	2.65535	4.24	Vert. Z-Axis
2441	99.97	0.0996552	0.8	1.202264	0.0024781	2.47811	3.94	Vert. Z-Axis
2480	96.65	0.0679986	0.8	1.202264	0.0011538	1.15378	0.62	Vert. Z-Axis
2402	98.97	0.0888178	0.8	1.202264	0.0019684	1.96844	2.94	Horiz. X-Axis
2441	95.32	0.0583445	0.8	1.202264	0.0008494	0.84942	-0.71	Horiz. X-Axis
2480	93.26	0.0460257	0.8	1.202264	0.0005286	0.52859	-2.77	Horiz. X-Axis
2402	98.13	0.0806306	0.8	1.202264	0.0016223	1.62226	2.10	Horiz. Y-Axis
2441	98.84	0.0874984	0.8	1.202264	0.0019104	1.91039	2.81	Horiz. Y-Axis
2480	93.11	0.0452376	0.8	1.202264	0.0005106	0.51065	-2.92	Horiz. Y-Axis
2402	100.08	0.1009253	0.8	1.202264	0.0025417	2.54168	4.05	Horiz. Z-Axis
2441	92.56	0.042462	0.8	1.202264	0.0004499	0.44991	-3.47	Horiz. Z-Axis
2480	94.05	0.0504081	0.8	1.202264	0.000634	0.63405	-1.98	Horiz. Z-Axis

The Power in Watts is obtained by the following Formula Below:

$$P = [(E \cdot D)^2] / (30 \cdot G)$$

P = Power in Watts

E = The Measured Maximum Field Strength in V/m

G = The Numeric Gain of the Transmitting Antenna over an Isotropic Radiator

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Configuration: With Internal Antenna

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Peak Output Power - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Level (V/m)	Antenna Gain (dBi)	Numeric Gain	Power Output (Watts)	Power Output (mW)	Power Output (dBm)	Comments
2402	97.58	0.0756833	0.8	1.202264	0.0014293	1.42929	1.55	Vert. X-Axis
2441	94.62	0.053827	0.8	1.202264	0.000723	0.72297	-1.41	Vert. X-Axis
2480	92.62	0.0427563	0.8	1.202264	0.0004562	0.45616	-3.41	Vert. X-Axis
2402	103.24	0.1452112	0.8	1.202264	0.0052616	5.26164	7.21	Vert. Y-Axis
2441	100.53	0.1062919	0.8	1.202264	0.0028192	2.81917	4.50	Vert. Y-Axis
2480	98.58	0.084918	0.8	1.202264	0.0017994	1.79937	2.55	Vert. Y-Axis
2402	98.97	0.0888178	0.8	1.202264	0.0019684	1.96844	2.94	Vert. Z-Axis
2441	95.8	0.0616595	0.8	1.202264	0.0009487	0.94868	-0.23	Vert. Z-Axis
2480	79.56	0.009506	0.8	1.202264	2.255E-05	0.02255	-16.47	Vert. Z-Axis
2402	100.32	0.1037528	0.8	1.202264	0.0026861	2.68609	4.29	Horiz. X-Axis
2441	95.81	0.0617305	0.8	1.202264	0.0009509	0.95087	-0.22	Horiz. X-Axis
2480	93.1	0.0451856	0.8	1.202264	0.0005095	0.50947	-2.93	Horiz. X-Axis
2402	97.06	0.0712853	0.8	1.202264	0.001268	1.26801	1.03	Horiz. Y-Axis
2441	95.63	0.0604644	0.8	1.202264	0.0009123	0.91227	-0.40	Horiz. Y-Axis
2480	91.33	0.0368553	0.8	1.202264	0.0003389	0.33894	-4.70	Horiz. Y-Axis
2402	95.57	0.0600482	0.8	1.202264	0.0008997	0.89975	-0.46	Horiz. Z-Axis
2441	94.41	0.0525412	0.8	1.202264	0.0006888	0.68884	-1.62	Horiz. Z-Axis
2480	94.35	0.0521795	0.8	1.202264	0.0006794	0.67939	-1.68	Horiz. Z-Axis

The Power in Watts is obtained by the following Formula Below:

$$P = [(E \cdot D)^2] / (30 \cdot G)$$

P = Power in Watts

E = The Measured Maximum Field Strength in V/m

G = The Numeric Gain of the Transmitting Antenna over an Isotropic Radiator

CHANNEL HOPPING SEPARATION



DATA SHEET

Date: 13.JUL.2009 14:01:11

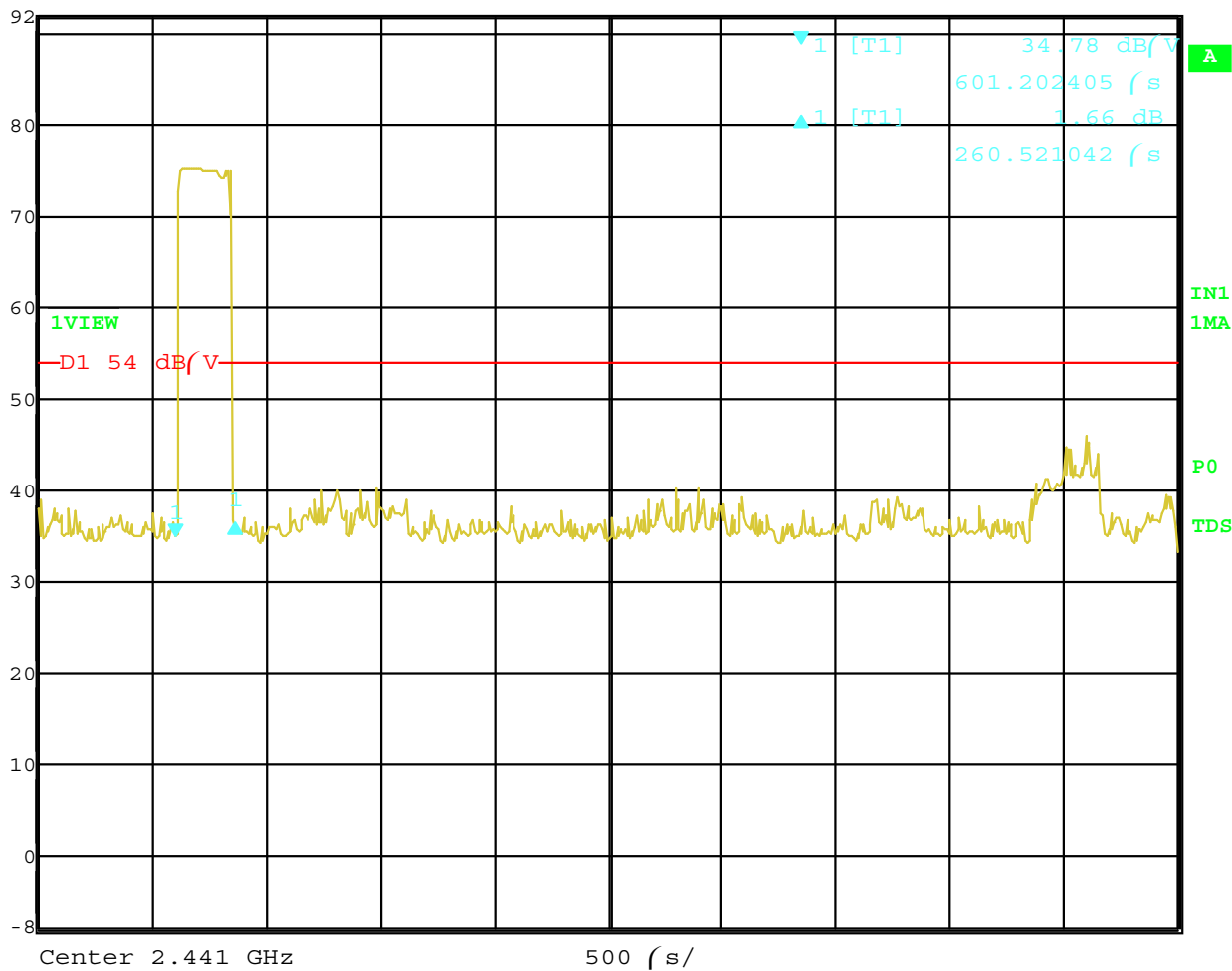
Channel Frequency Separation Test

AVERAGE TIME OF OCCUPANCY

DATA SHEETS



Ref Lvl 92 dB/V
Delta 1 [T1] 1.66 dB
260.521042 (s
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 10 dB
Unit dB/V

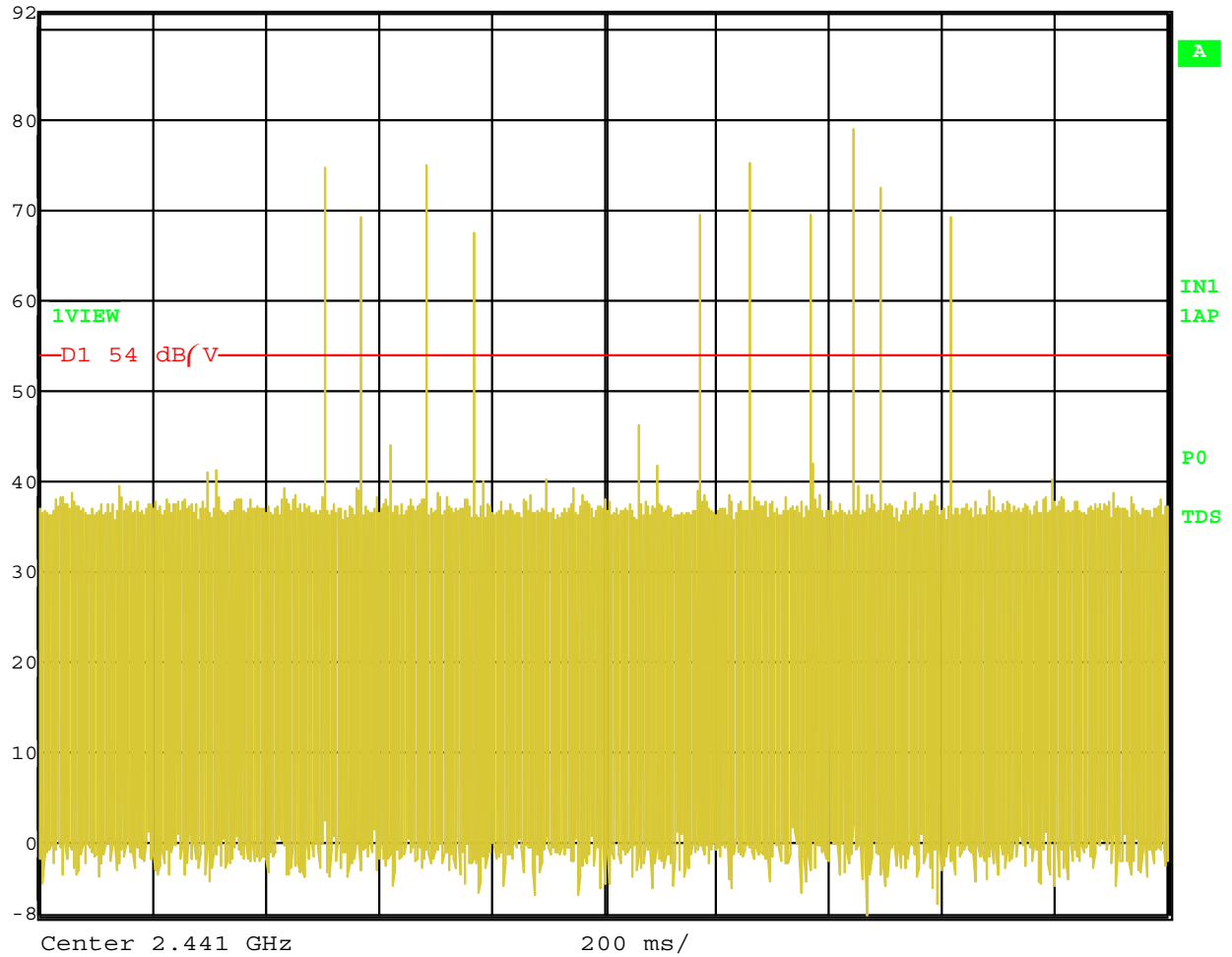


Date: 24.JUN.2009 08:55:09
Time of 1 Pulse = 260.52102 uS - Normal Mode



Ref Lvl
92 dB/V

RBW 1 MHz RF Att 10 dB
VBW 1 MHz
SWT 2 s Unit dB/V

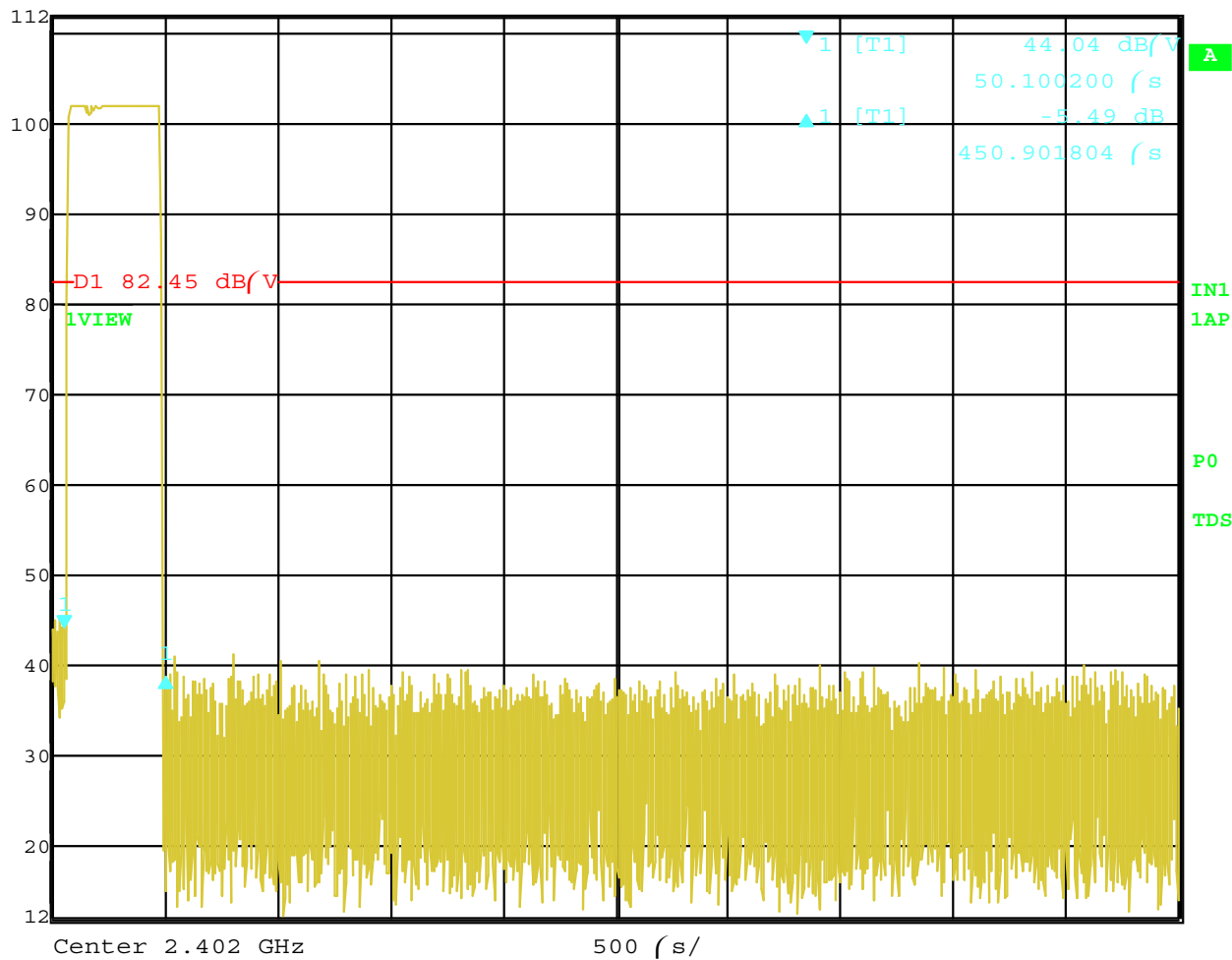


Date: 24.JUN.2009 09:00:50

Number of Pulses in 2 Seconds = 10 - Normal Mode
Number of Pulses in 31.6 Seconds = $10 \times 15.8 = 158$ Pulses in a 31.6 Second Period
Time of Occupancy = $158 \times 260.521042 \text{ uS} = 41.16 \text{ mS}$ per 31.6 Second Period
Limit = 400 mS per 31.6 Second Period (79 Channel * 400 mS)



Ref Lvl 112 dB/V
Delta 1 [T1] -5.49 dB
450.901804 (s
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 20 dB
Unit dB/V

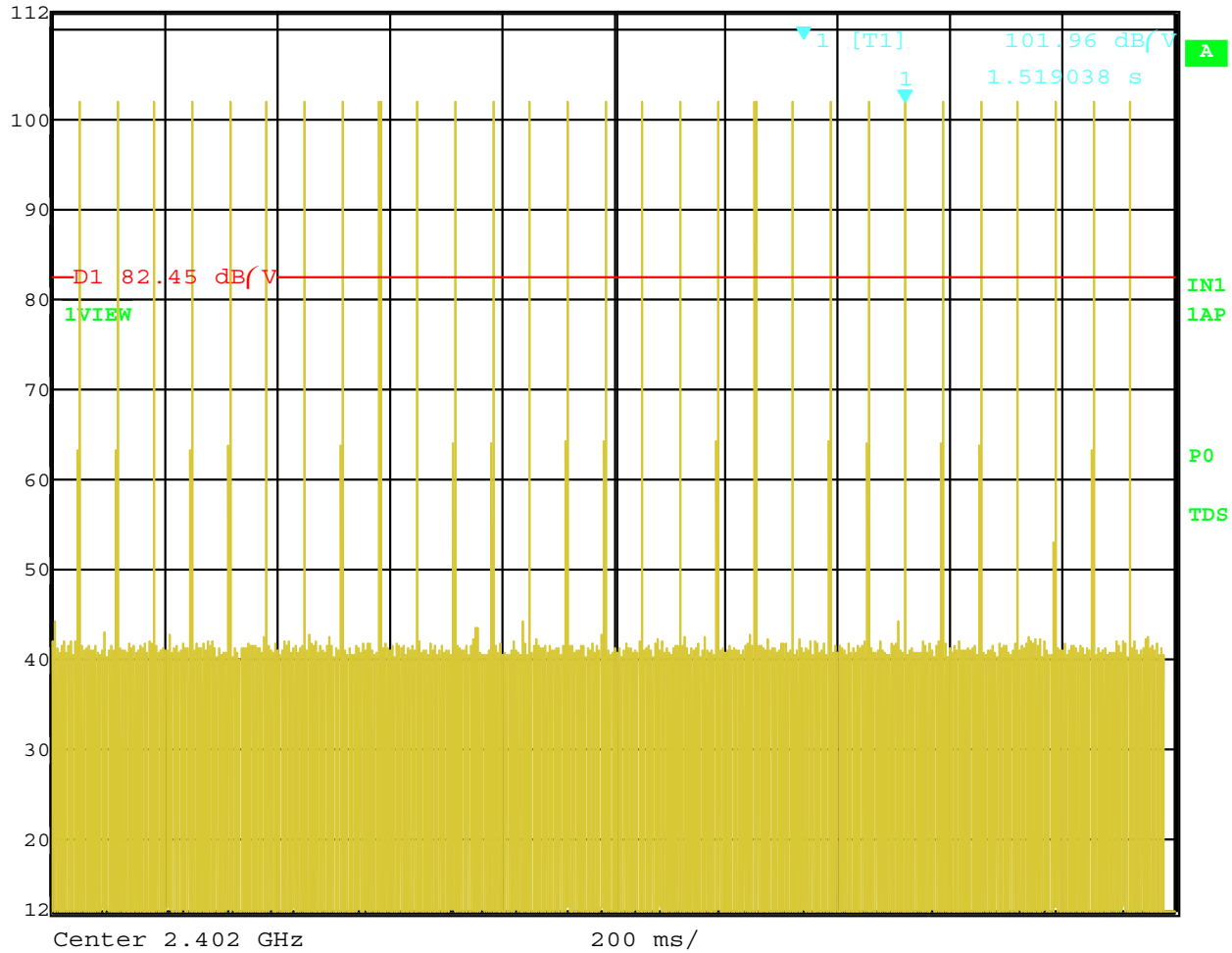


Date: 13.JUL.2009 09:06:46

Time of 1 Pulse = 450.901804 uS - Re-Transmit Mode



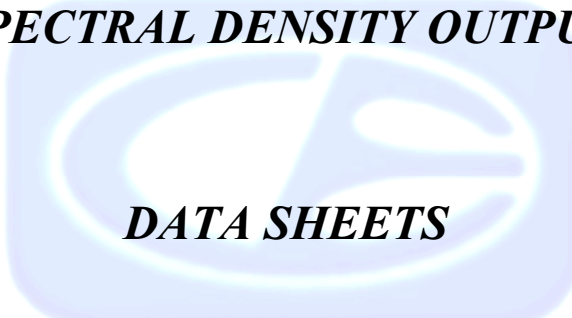
Ref Lvl 112 dB/V
Marker 1 [T1] 101.96 dB/V
1.519038 s
RBW 1 MHz
VBW 1 MHz
SWT 2 s
RF Att 20 dB
Unit dB/V



Date: 13.JUL.2009 09:13:51

Number of Pulses in 2 Seconds = 31 - Re-Transmit Mode
Number of Pulses in 31.6 Seconds = 31*15.8 = 489.8 Pulses in a 31.6 Second Period
Time of Occupancy = 489.8*450.901804 uS = 220.85 mS per 31.6 Second Period
Limit = 400 mS per 31.6 Second Period (79 Channel * 400 mS)

SPECTRAL DENSITY OUTPUT



DATA SHEETS

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Configuration: With Internal Antenna

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Spectral Density Test - Normal Mode**Limit = +8 dBm**

Freq. (MHz)	Level (dBuV)	Level (V/m)	Antenna Gain (dBi)	Numeric Gain	Power Output (Watts)	Power Output (mW)	Power Output (dBm)	Comments
2402	85.6	0.01905	0.8	1.202264	9.0599E-05	0.0906	-10.429	Vert. X-Axis
2441	84.69	0.01716	0.8	1.202264	7.3472E-05	0.07347	-11.339	Vert. X-Axis
2480	83.68	0.01528	0.8	1.202264	5.8227E-05	0.05823	-12.349	Vert. X-Axis
2402	84.36	0.01652	0.8	1.202264	6.8096E-05	0.0681	-11.669	Vert. Y-Axis
2441	83.25	0.01454	0.8	1.202264	5.2738E-05	0.05274	-12.779	Vert. Y-Axis
2480	82.69	0.01363	0.8	1.202264	4.6358E-05	0.04636	-13.339	Vert. Y-Axis
2402	85.88	0.01968	0.8	1.202264	9.6632E-05	0.09663	-10.149	Vert. Z-Axis
2441	85.4	0.01862	0.8	1.202264	8.6521E-05	0.08652	-10.629	Vert. Z-Axis
2480	82.2	0.01288	0.8	1.202264	4.1412E-05	0.04141	-13.829	Vert. Z-Axis
2402	83.68	0.01528	0.8	1.202264	5.8227E-05	0.05823	-12.349	Horiz. X-Axis
2441	84.58	0.01694	0.8	1.202264	7.1634E-05	0.07163	-11.449	Horiz. X-Axis
2480	82.69	0.01363	0.8	1.202264	4.6358E-05	0.04636	-13.339	Horiz. X-Axis
2402	82.36	0.01312	0.8	1.202264	4.2966E-05	0.04297	-13.669	Horiz. Y-Axis
2441	83.69	0.01529	0.8	1.202264	5.8361E-05	0.05836	-12.339	Horiz. Y-Axis
2480	83.69	0.01529	0.8	1.202264	5.8361E-05	0.05836	-12.339	Horiz. Y-Axis
2402	85.87	0.01966	0.8	1.202264	9.641E-05	0.09641	-10.159	Horiz. Z-Axis
2441	84.59	0.01696	0.8	1.202264	7.1799E-05	0.0718	-11.439	Horiz. Z-Axis
2480	83.69	0.01529	0.8	1.202264	5.8361E-05	0.05836	-12.339	Horiz. Z-Axis

Level in dBuV obtained by maximizing fundamental emission then setting the EMI Receiver to
 RBW = 3 kHz, VBW = 10 kHz, Span = 300 kHz, Sweep Time = 100 Seconds

The Power in Watts is obtained by the following Formula Below:

$$P = [(E \cdot D)^2] / (30 \cdot G)$$

P = Power in Watts

E = The Measured Maximum Field Strength in V/m

G = The Numeric Gain of the Transmitting Antenna over an Isotropic Radiator

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Configuration: With Internal Antenna

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Spectral Density Test - Re-Transmit Mode**Limit = +8 dBm**

Freq. (MHz)	Level (dBuV)	Level (V/m)	Antenna Gain (dBi)	Numeric Gain	Power Output (Watts)	Power Output (mW)	Power Output (dBm)	Comments
2402	86.69	0.0216	0.8	1.202264	0.00011645	0.11645	-9.3388	Vert. X-Axis
2441	75.93	0.00626	0.8	1.202264	9.7751E-06	0.00978	-20.099	Vert. X-Axis
2480	76.69	0.00683	0.8	1.202264	1.1645E-05	0.01164	-19.339	Vert. X-Axis
2402	88.69	0.0272	0.8	1.202264	0.00018455	0.18455	-7.3388	Vert. Y-Axis
2441	85.46	0.01875	0.8	1.202264	8.7725E-05	0.08772	-10.569	Vert. Y-Axis
2480	86.28	0.02061	0.8	1.202264	0.00010595	0.10595	-9.7488	Vert. Y-Axis
2402	86.59	0.02136	0.8	1.202264	0.00011379	0.11379	-9.4388	Vert. Z-Axis
2441	80.25	0.01029	0.8	1.202264	2.6431E-05	0.02643	-15.779	Vert. Z-Axis
2480	80.51	0.0106	0.8	1.202264	2.8062E-05	0.02806	-15.519	Vert. Z-Axis
2402	86.58	0.02133	0.8	1.202264	0.00011353	0.11353	-9.4488	Horiz. X-Axis
2441	79.59	0.00954	0.8	1.202264	2.2705E-05	0.0227	-16.439	Horiz. X-Axis
2480	81.25	0.01155	0.8	1.202264	3.3275E-05	0.03328	-14.779	Horiz. X-Axis
2402	83.69	0.01529	0.8	1.202264	5.8361E-05	0.05836	-12.339	Horiz. Y-Axis
2441	85.25	0.0183	0.8	1.202264	8.3584E-05	0.08358	-10.779	Horiz. Y-Axis
2480	79.36	0.00929	0.8	1.202264	2.1534E-05	0.02153	-16.669	Horiz. Y-Axis
2402	86.57	0.02131	0.8	1.202264	0.00011327	0.11327	-9.4588	Horiz. Z-Axis
2441	78.18	0.00811	0.8	1.202264	1.641E-05	0.01641	-17.849	Horiz. Z-Axis
2480	79.56	0.00951	0.8	1.202264	2.2549E-05	0.02255	-16.469	Horiz. Z-Axis

Level in dBuV obtained by maximizing fundamental emission then setting the EMI Receiver to
 RBW = 3 kHz, VBW = 10 kHz, Span = 300 kHz, Sweep Time = 100 Seconds

The Power in Watts is obtained by the following Formula Below:

$$P = [(E \cdot D)^2] / (30 \cdot G)$$

P = Power in Watts

E = The Measured Maximum Field Strength in V/m

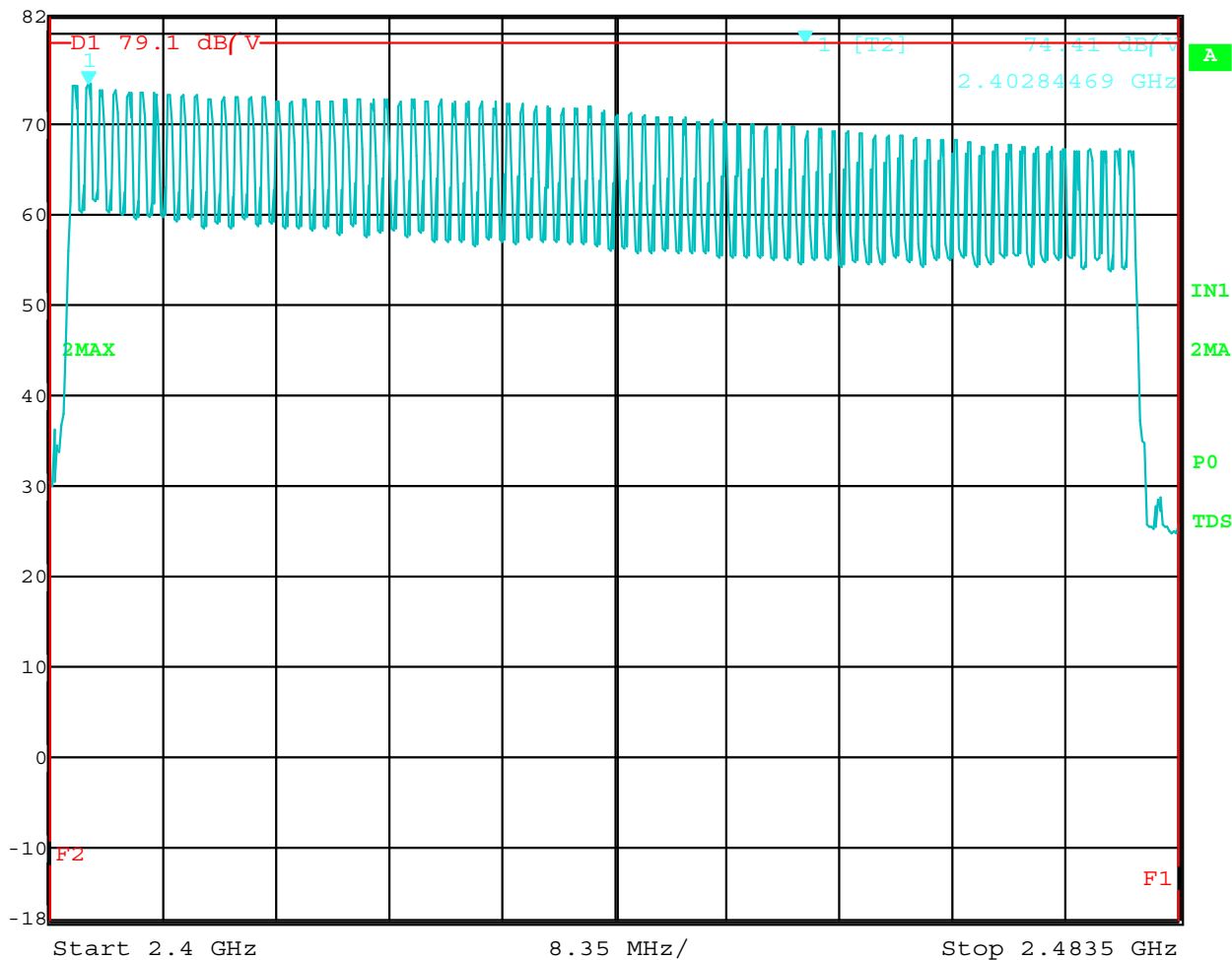
G = The Numeric Gain of the Transmitting Antenna over an Isotropic Radiator

NUMBER OF HOPPING FREQUENCIES

DATA SHEET

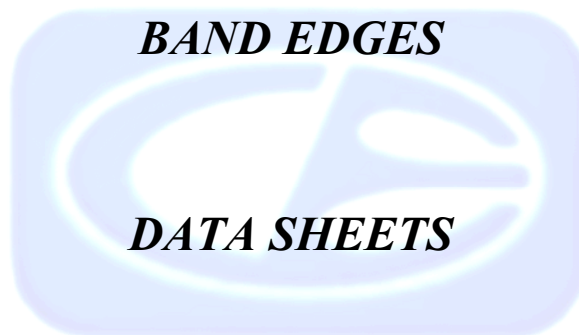


Ref Lvl 82 dB/V
Marker 1 [T2] 74.41 dB/V
2.40284469 GHz
RBW 100 kHz
RF Att 10 dB
VBW 300 kHz
SWT 21 ms
Unit dB/V



Date: 13.JUL.2009 14:37:57

Number of Frequencies (79 Total)



FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

Tested By: Kyle Fujimoto

Band Edges - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	100.27	V	--	--	Peak	2.05	225	Fundamental of Low Channel
2402	80.27	V	--	--	Avg	2.05	225	@ 3 meters
2385.99	44.26	V	54	-9.74	Peak	2.05	225	No Marker Delta Method
								Method Used
2402	100.08	H	--	--	Peak	1.02	180	Fundamental of Low Channel
2402	80.08	H	--	--	Avg	1.02	180	@ 3 meters
2385.95	44.2	H	54	-9.8	Peak	2.05	225	No Marker Delta Method
								Method Used

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

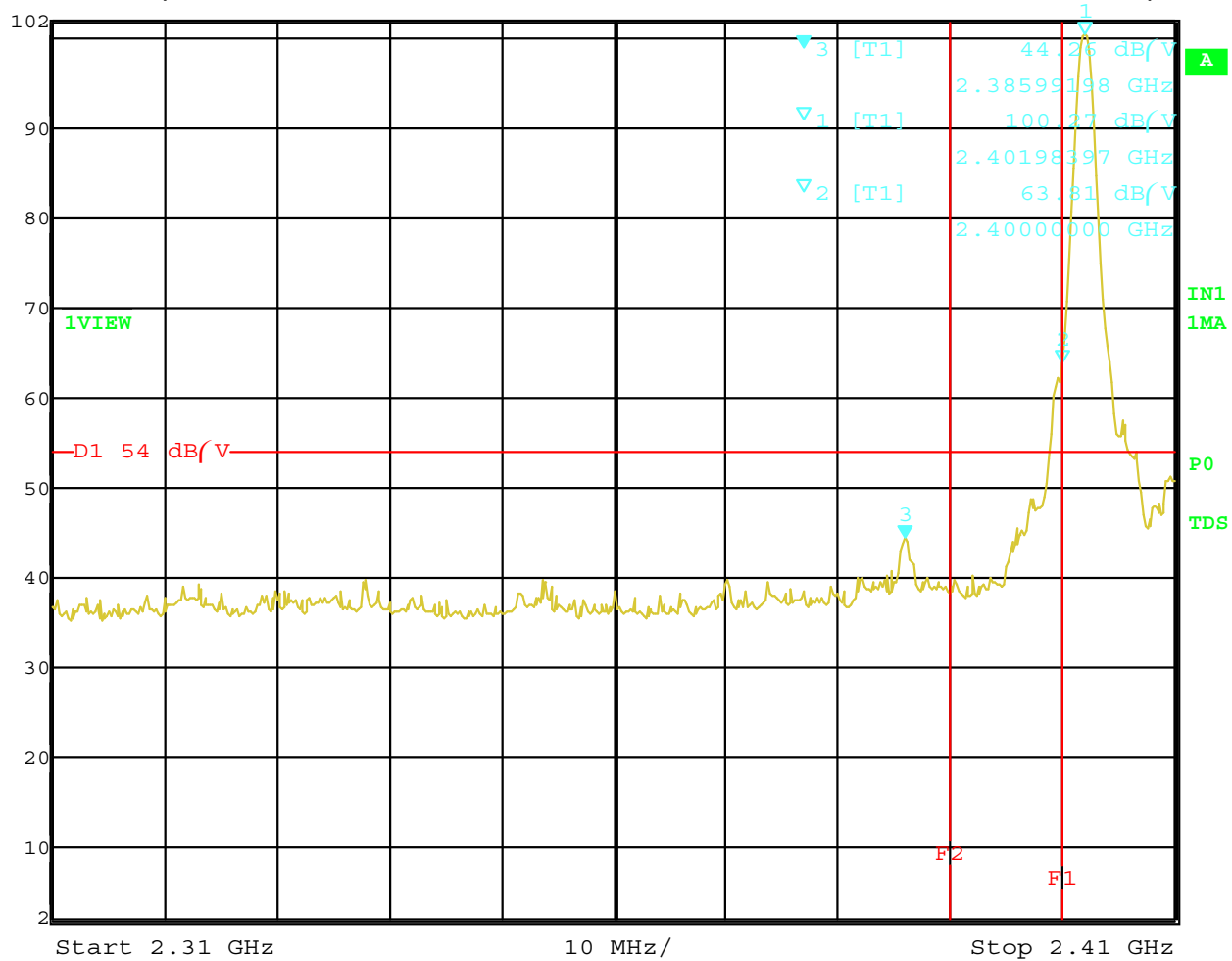
Tested By: Kyle Fujimoto

Band Edges - Normal Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	96.65	V	--	--	Peak	1.25	135	Fundamental of Low Channel
2480	76.65	V	--	--	Avg	1.25	135	@ 3 meters
2483.5	52.53	V	54	-1.47	Peak	1.25	135	No Marker Delta Method
2480	94.05	H	--	--	Peak	1.35	150	Fundamental of Low Channel
2480	74.05	H	--	--	Avg	1.35	150	@ 3 meters
2483.5	50.27	H	54	-3.73	Peak	1.35	150	No Marker Delta Method



Ref Lvl 102 dB/V
Marker 3 [T1] 44.26 dB/V
2.38599198 GHz
RBW 1 MHz RF Att 10 dB
VBW 1 MHz
SWT 5 ms Unit dB/V

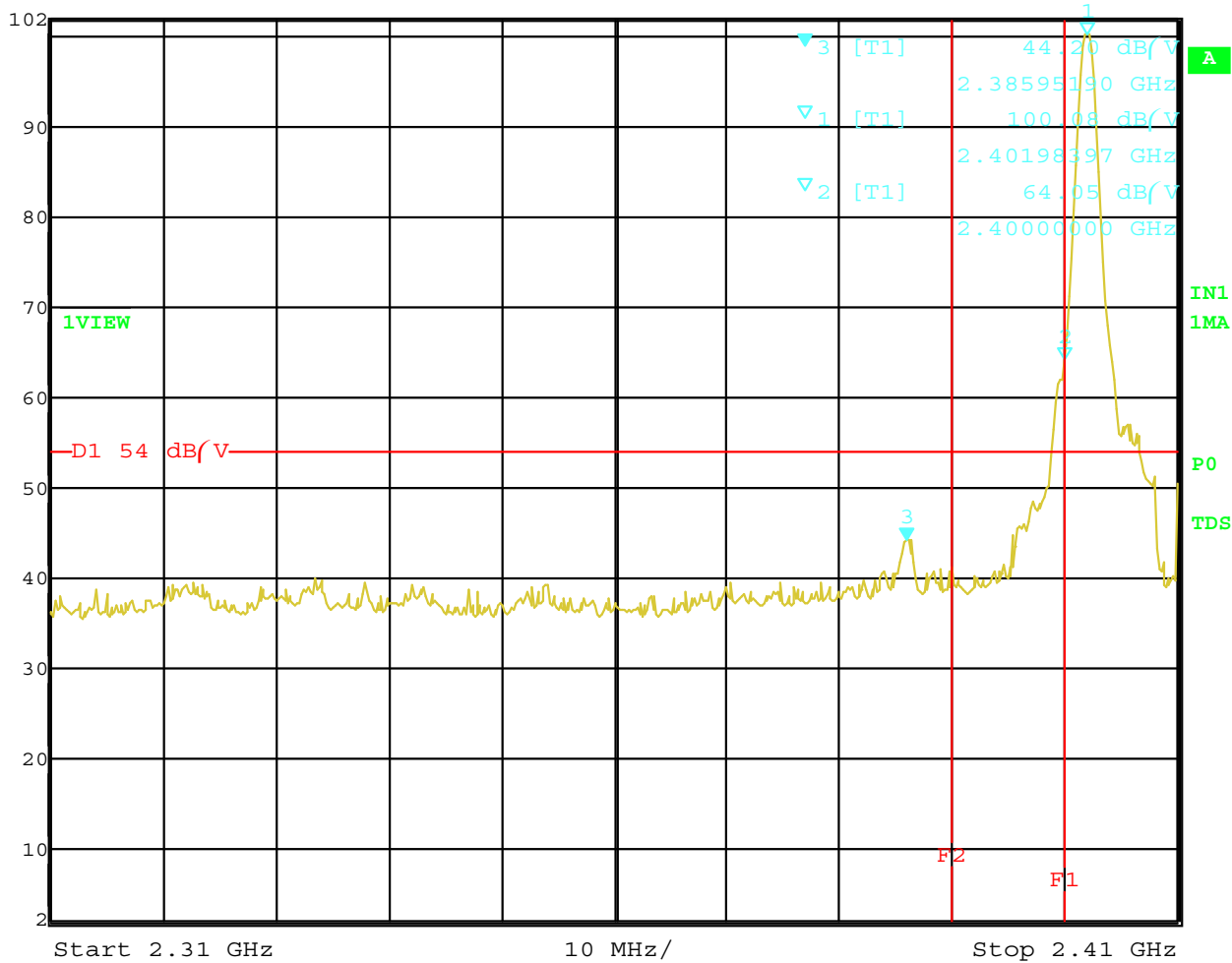


Date: 10.JUL.2009 09:45:20

Band Edge – Low Channel – Vertical Polarization – Z-Axis (Worst Case)



Ref Lvl 102 dB/V
Marker 3 [T1] 44.20 dB/V
2.38595190 GHz
RBW 1 MHz
RF Att 10 dB
VBW 1 MHz
SWT 5 ms
Unit dB/V

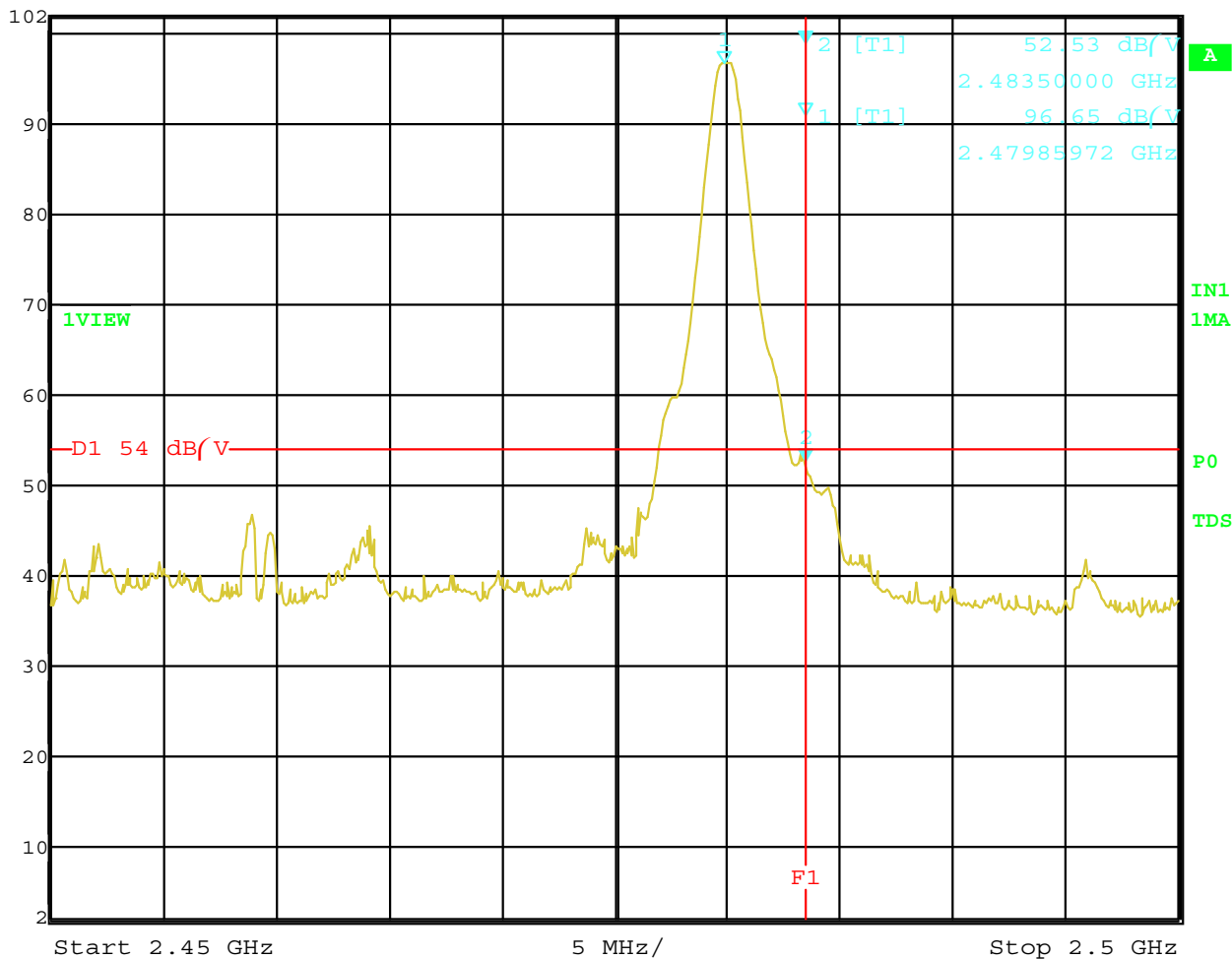


Date: 10.JUL.2009 09:34:39

Band Edge – Low Channel – Horizontal Polarization – Z-Axis (Worst Case)



Ref Lvl 102 dB/V
Marker 2 [T1] 52.53 dB/V
2.48350000 GHz
RBW 1 MHz
RF Att 10 dB
VBW 1 MHz
SWT 5 ms
Unit dB/V

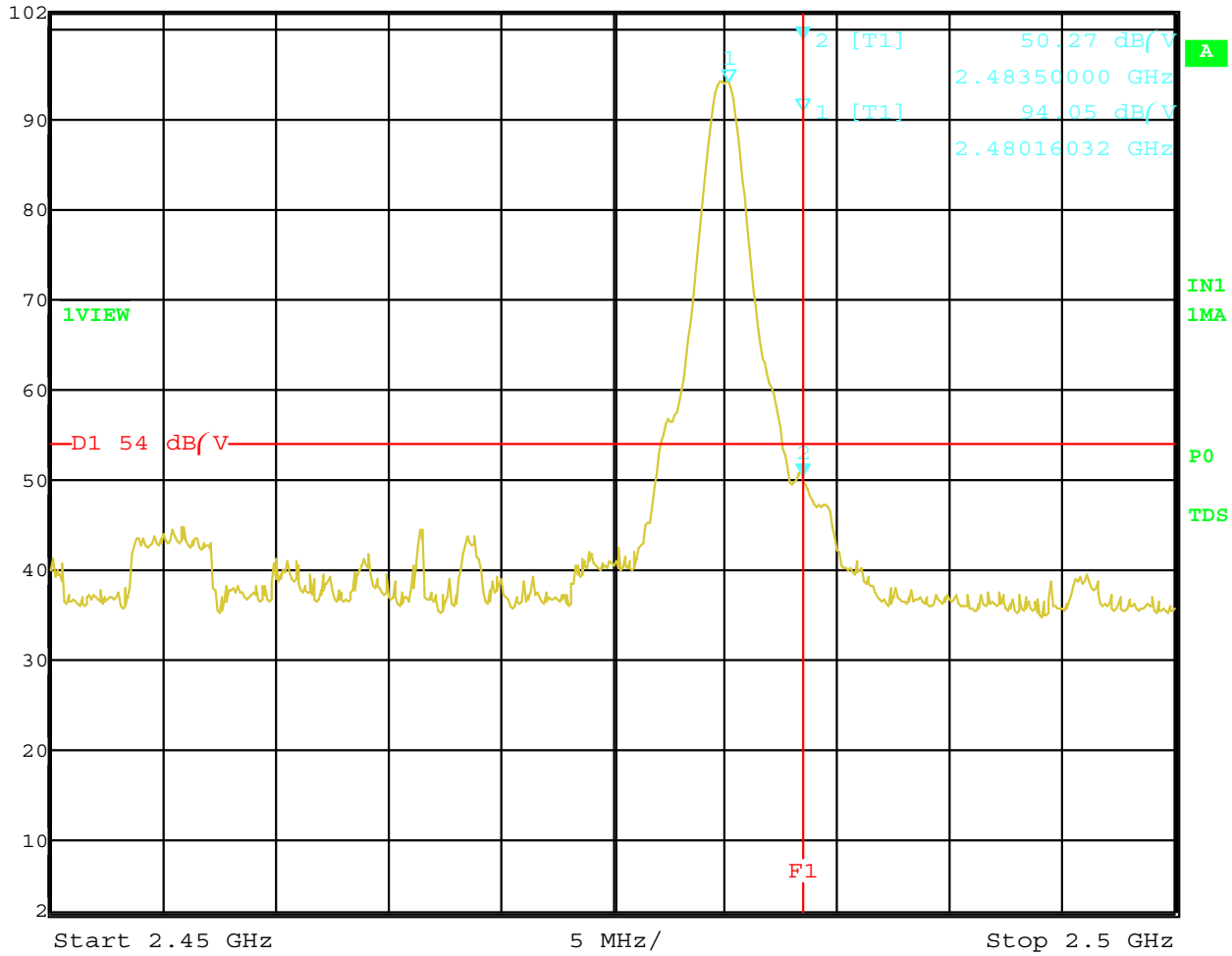


Date: 10.JUL.2009 13:49:59

Band Edge – High Channel – Vertical Polarization – Z-Axis (Worst Case)



Ref Lvl 102 dB/V
Marker 2 [T1] 50.27 dB/V
2.48350000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 10 dB
Unit dB/V



Date: 10.JUL.2009 14:29:33

Band Edge – High Channel – Horizontal Polarization – Z-Axis (Worst Case)

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/13/09

Lab: B

Tested By: Kyle Fujimoto

Band Edges (Worst Case) - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2402	103.24	V	--	--	Peak	1.51	180	Fundamental of Low Channel
2402	83.24	V	--	--	Avg	1.51	180	Y-Axis @ 3 Meters
2385.99	42.03	V	54	-11.97	Peak	2.05	225	No Marker Delta Method
								Method Used
2402	100.32	H	--	--	Peak	1.25	135	Fundamental of Low Channel
2402	80.32	H	--	--	Avg	1.25	135	X-Axis @ 3 Meters
2385.95	40.88	H	54	-13.12	Peak	1.25	135	No Marker Delta Method
								Method Used

FCC 15.247

WirelessWERX, Inc.

SiteWERX Location

Model: SLN05

Date: 07/10/09

Lab: B

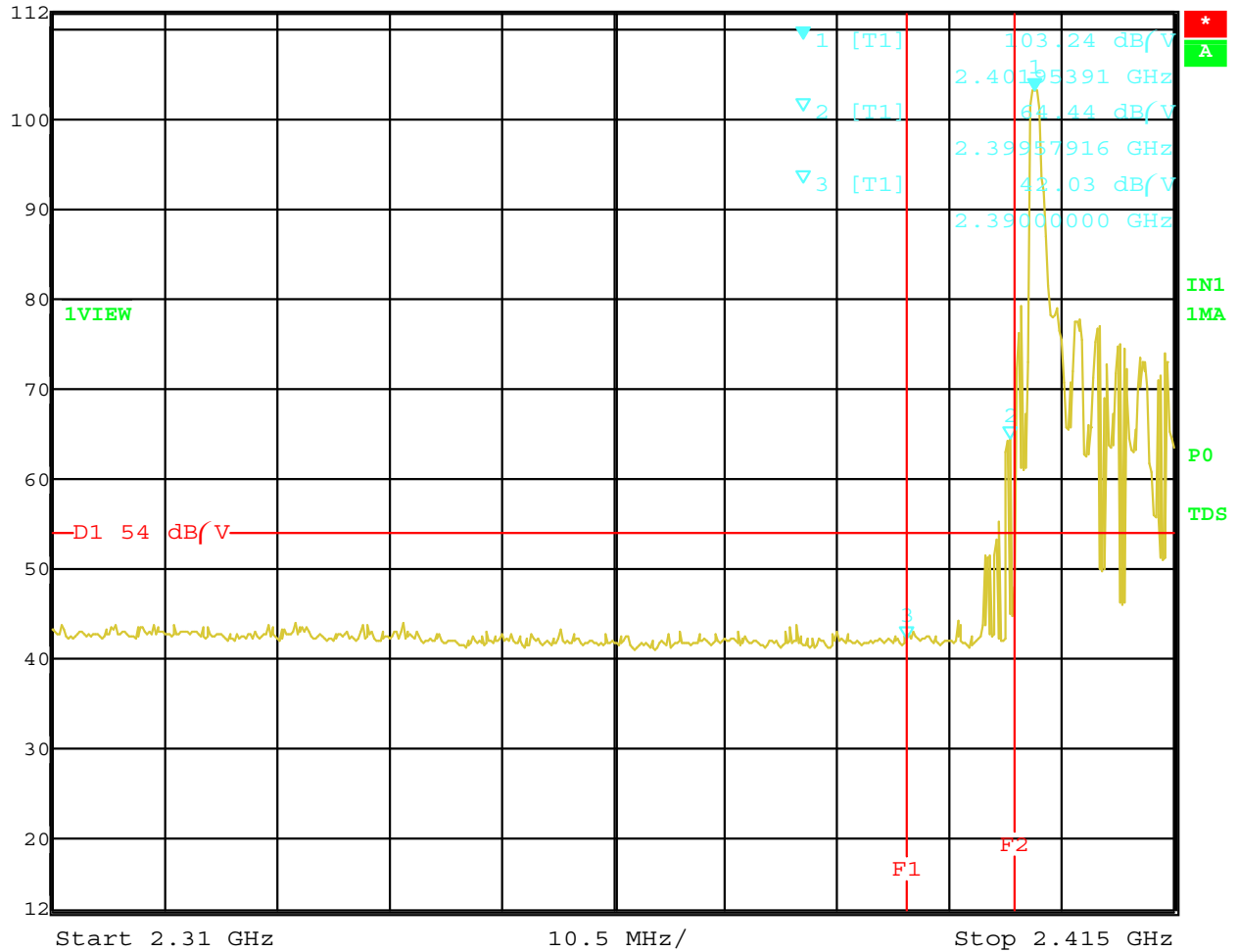
Tested By: Kyle Fujimoto

Band Edges (Worst Case) - Re-Transmit Mode

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
2480	98.58	V	--	--	Peak	1.35	225	Fundamental of Low Channel
2480	78.58	V	--	--	Avg	1.35	225	Y-Axis @ 3 Meters
2483.5	54.73	V	54	0.73	Peak	1.35	225	No Marker Delta Method
2483.5	45.77	V	54	-8.23	Avg	1.35	225	Method Used
2480	94.35	H	--	--	Peak	1.35	150	Fundamental of Low Channel
2480	74.35	H	--	--	Avg	1.35	150	Z-Axis @ 3 Meters
2483.5	49.77	H	54	-4.23	Peak	1.35	150	No Marker Delta Method
								Method Used



Ref Lvl 112 dB/V
Marker 1 [T1] 103.24 dB/V
2.40195391 GHz
RBW 1 MHz
VBW 1 MHz
SWT 100 ms
RF Att 20 dB
Unit dB/V

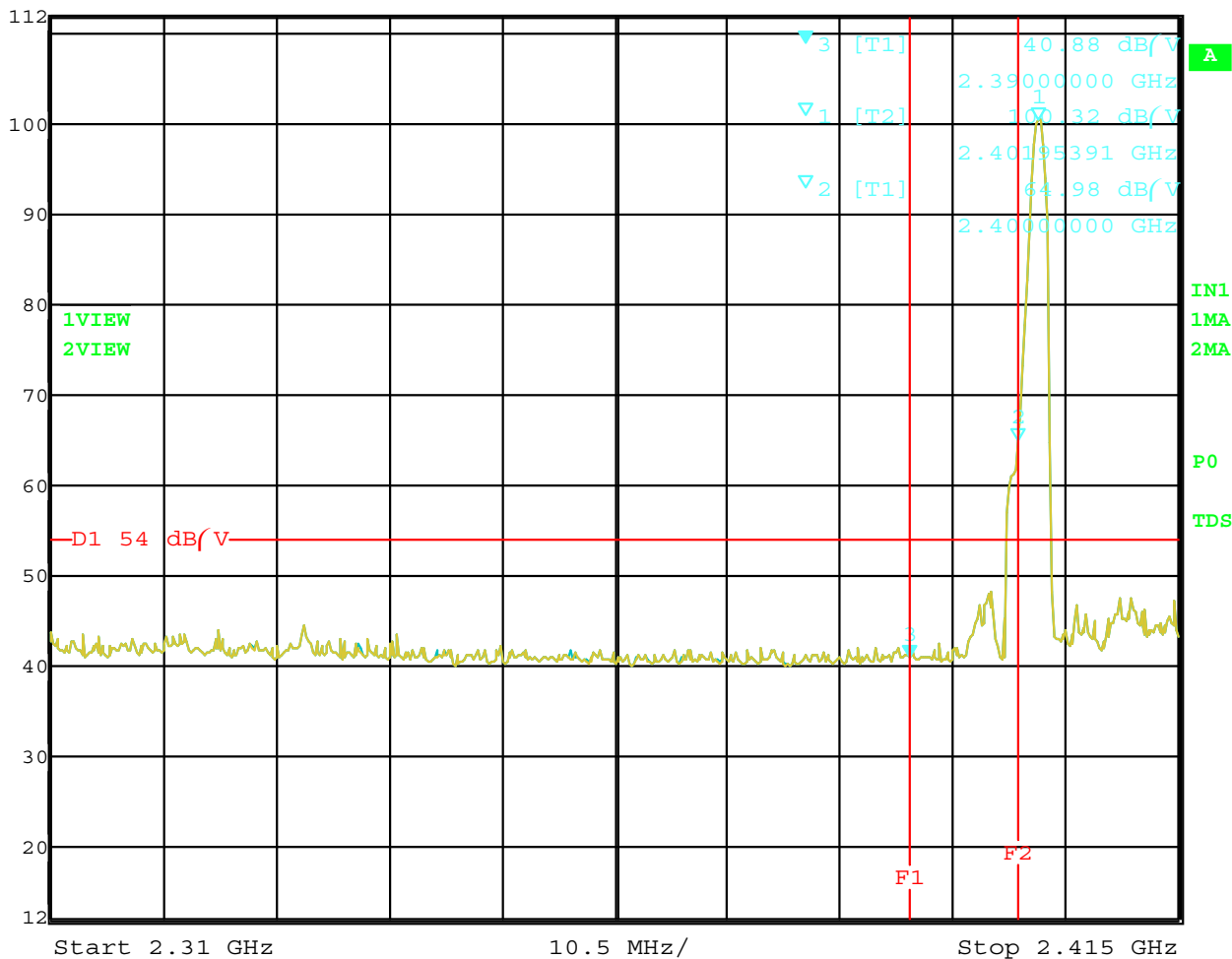


Date: 13.JUL.2009 08:22:05

Band Edge – Low Channel – Vertical Polarization – Y-Axis (Worst Case)



Ref Lvl 112 dB/V
Marker 3 [T1] 40.88 dB/V
2.39000000 GHz
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 20 dB
Unit dB/V

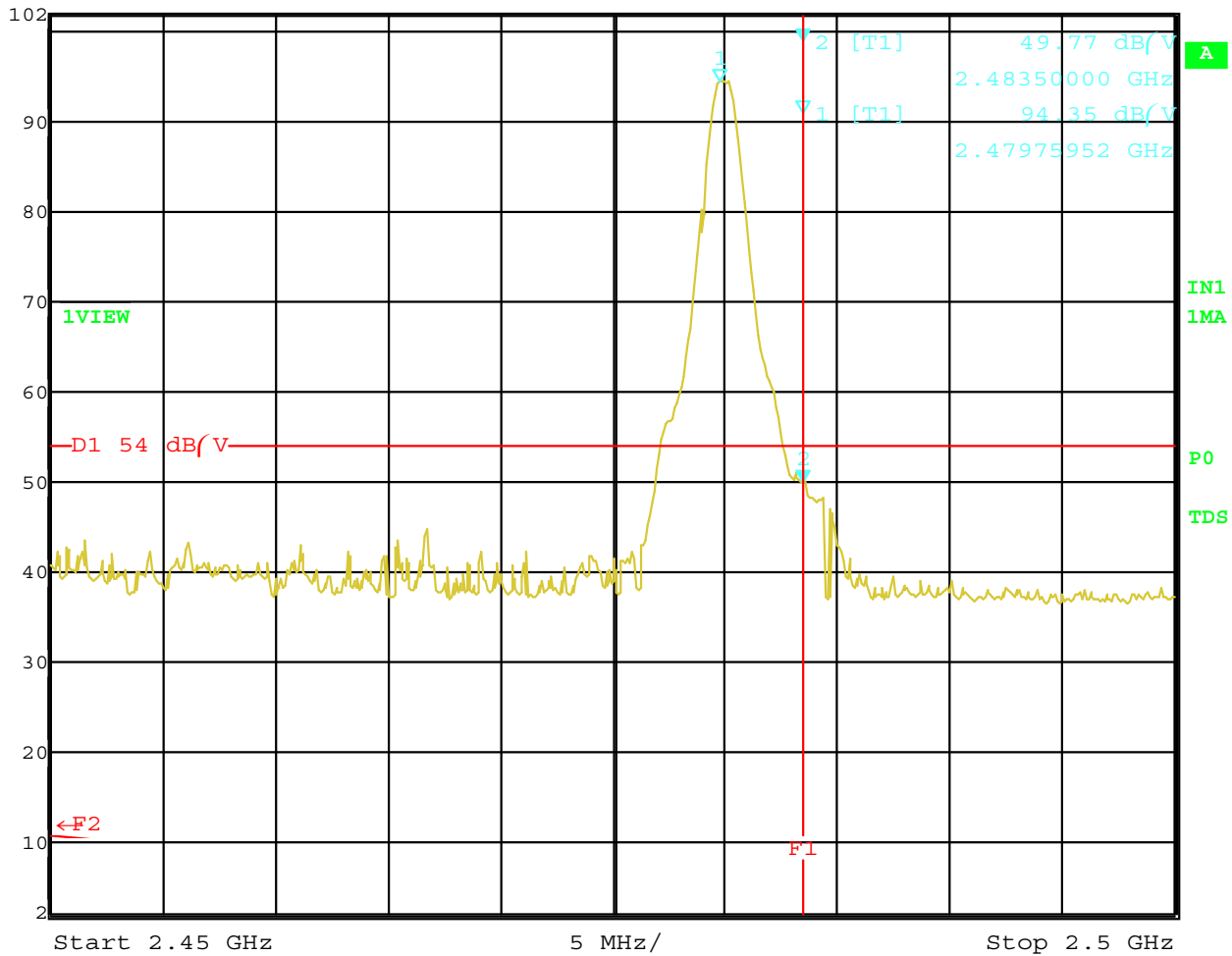


Date: 13.JUL.2009 09:18:52

Band Edge – Low Channel – Horizontal Polarization – X-Axis (Worst Case)

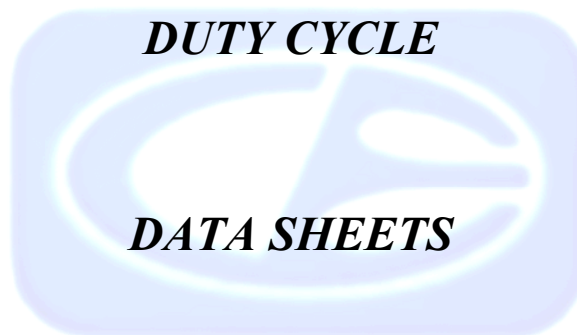


Ref Lvl 102 dB/V
Marker 2 [T1] 49.77 dB/V
2.48350000 GHz
RBW 1 MHz
RF Att 10 dB
VBW 1 MHz
SWT 100 ms
Unit dB/V



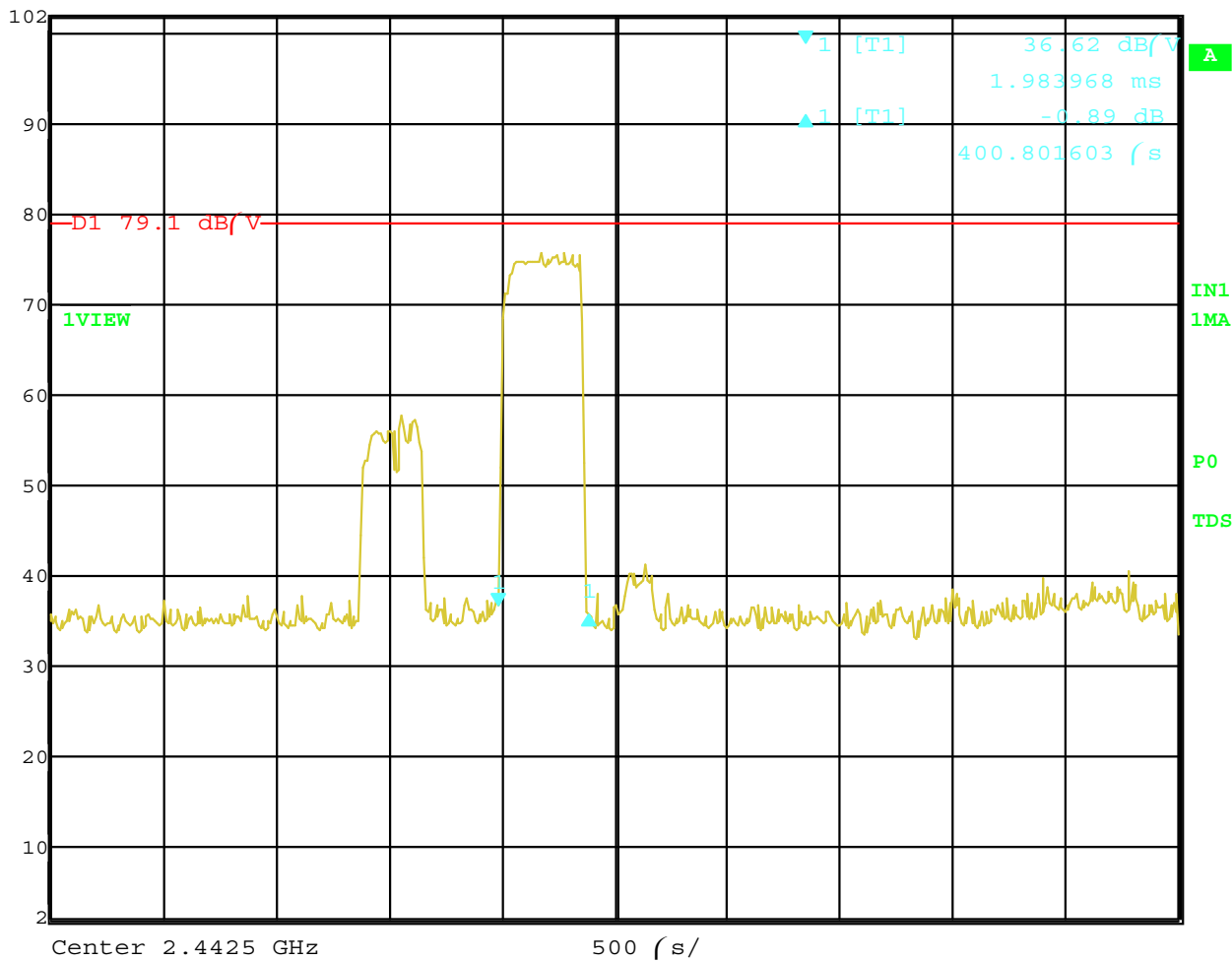
Date: 13.JUL.2009 10:55:34

Band Edge – High Channel – Horizontal Polarization – Z-Axis (Worst Case)





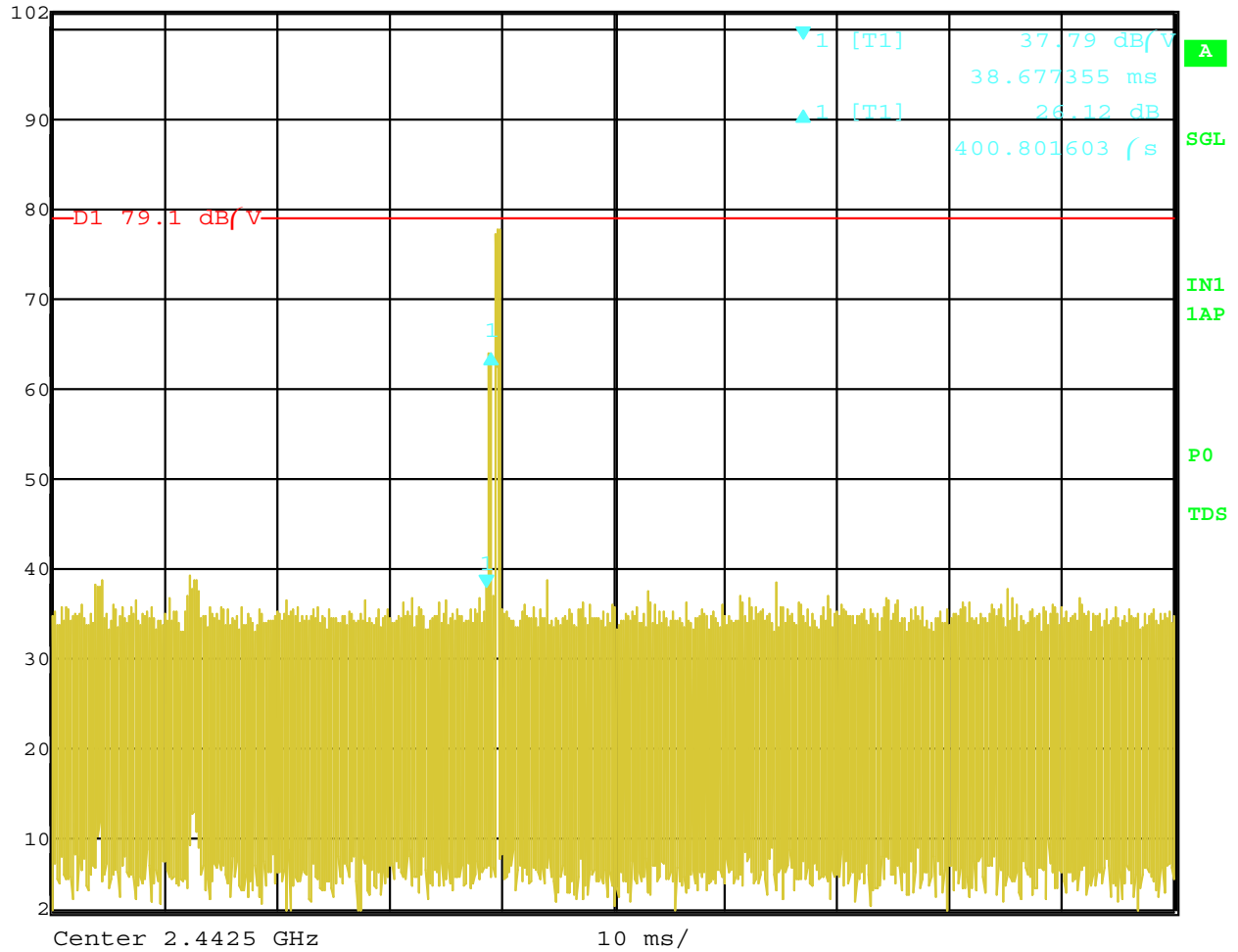
Ref Lvl 102 dB/V
Delta 1 [T1] -0.89 dB
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 10 dB
Unit dB/V



Date: 13.JUL.2009 13:25:33
Time of 1 Pulse = 400.801603 uS - Normal Mode



Delta 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl 26.12 dB VBW 1 MHz
102 dB/V 400.801603 (s) SWT 100 ms Unit dB/V

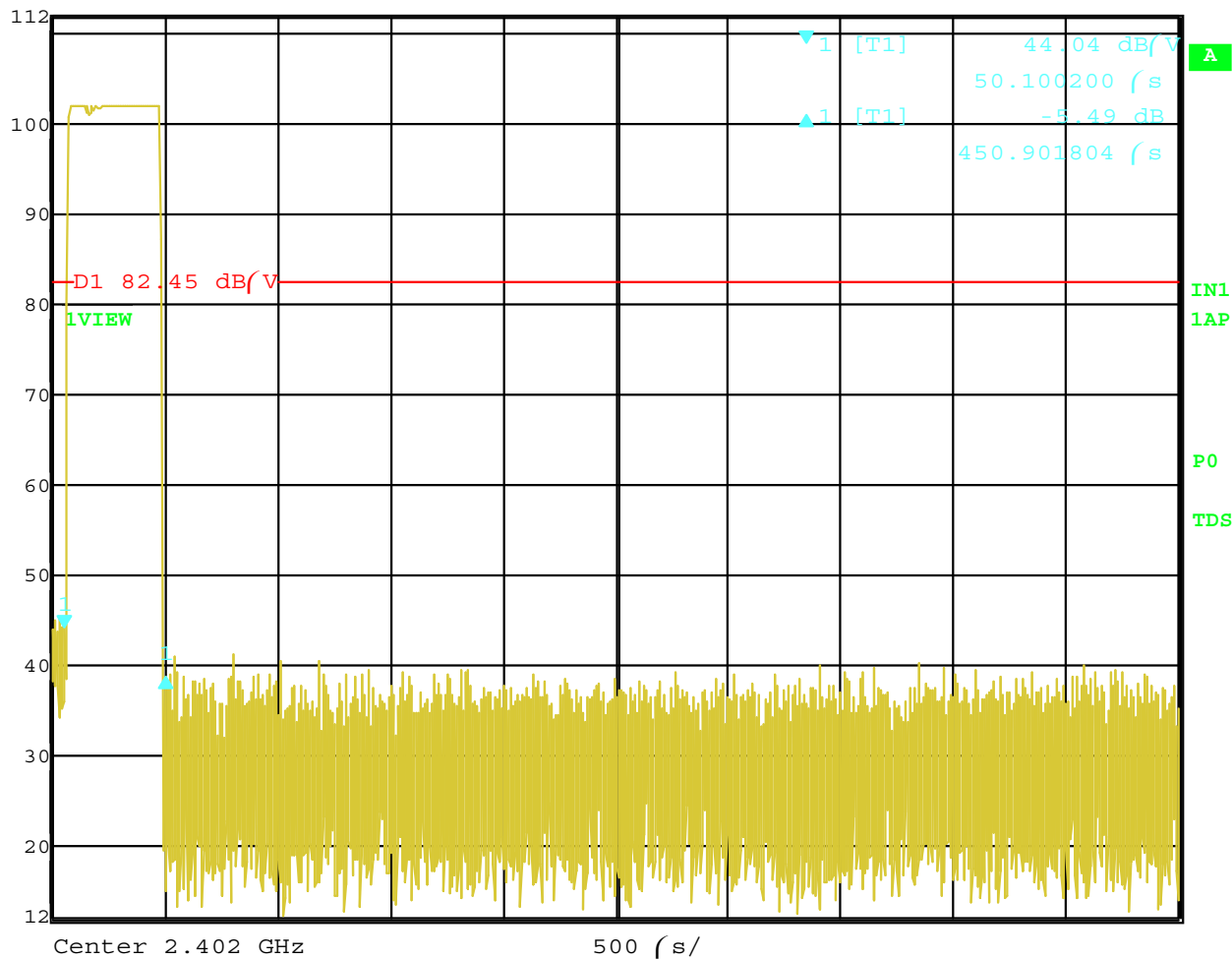


Date: 13.JUL.2009 13:39:26

Number of Pulses in Worst Case 100 mS = 4 - Normal Mode
Duty Cycle = $400.801603 \mu\text{S} \times 4 = 1.603206412 \text{ mS}$ per 100 mS = 1.603206412%
The Maximum of 20 dB Peak to Average can be taken since the Duty Cycle is less than 10%



Ref Lvl 112 dB/V
Delta 1 [T1] -5.49 dB
450.901804 μ s
RBW 1 MHz
VBW 1 MHz
SWT 5 ms
RF Att 20 dB
Unit dB/V

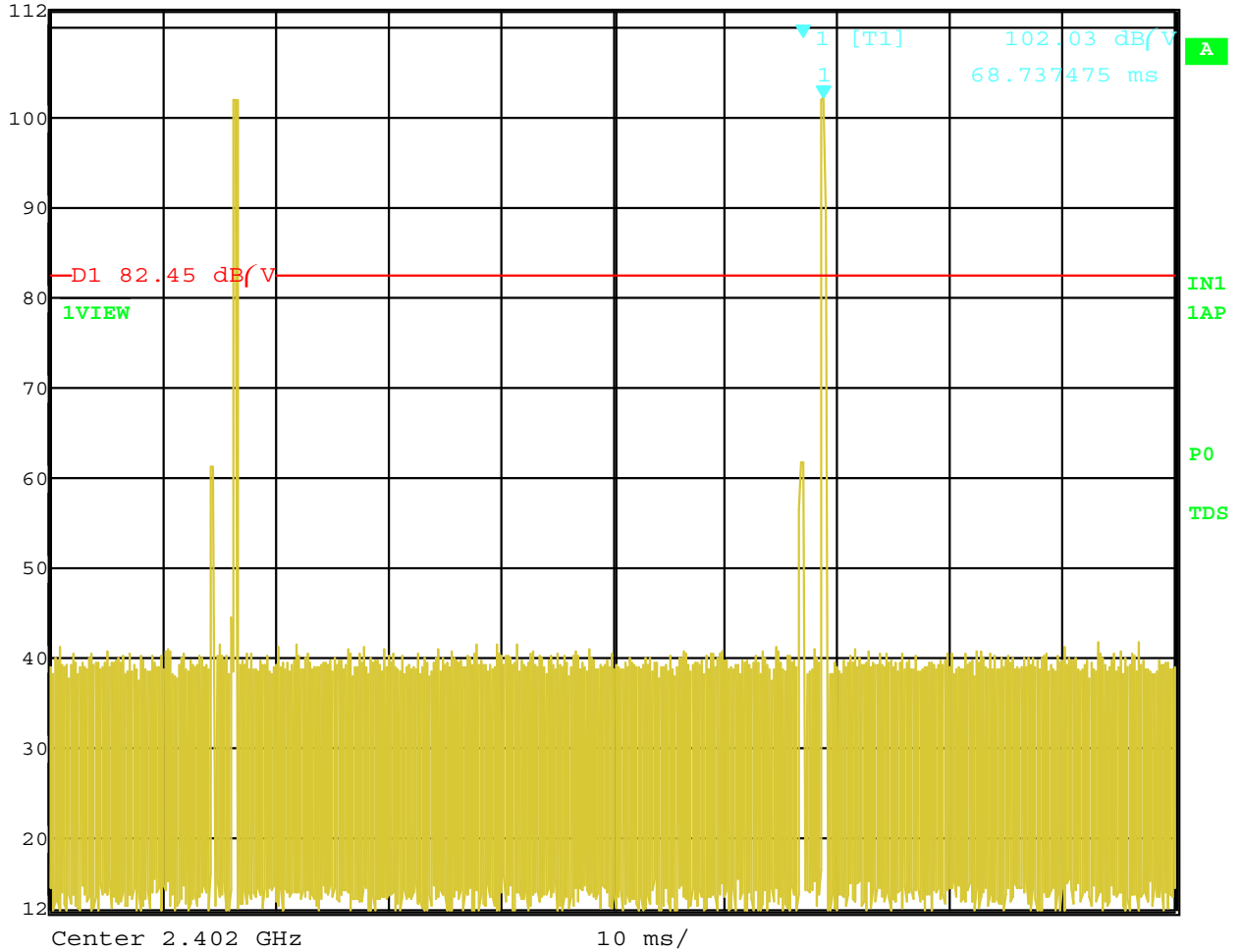


Date: 13.JUL.2009 09:06:46

Time of 1 Pulse = 450.901804 μ s
Re-Transmit Mode



Ref Lvl 112 dB/V
Marker 1 [T1] 102.03 dB/V
68.737475 ms
RBW 1 MHz
VBW 1 MHz
SWT 100 ms
RF Att 20 dB
Unit dB/V



Date: 13.JUL.2009 09:09:20

Number of Pulses in Worst Case 100 mS = 4
Duty Cycle = $450.901804 \text{ uS} \times 4 = 1.803607216 \text{ mS}$ per 100 mS = 1.803607216%
The Maximum of 20 dB Peak to Average can be taken since the Duty Cycle is less than 10%
Re-Transmit Mode