SGS-CSTC Standards Technical Services Ltd.

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057
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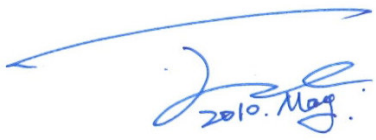
FCC REPORT

Application No. :	SZEMO100502365RF
Applicant:	ShenZhen Xinzhensheng electronics CO LTD
Product Name:	WII Wireless Classic Controller
Operation Frequency:	2402MHz to 2476MHz
FCC ID:	VZB-FM3963
Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.249: 2008
Date of Receipt	05 May 2010
Date of Test	05 to 20 May 2010
Date of Issue	24 May 2010
Test Result :	**PASS ***

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Jack Zhang
Laboratory Manager

2 Contents

3 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Passed
Field strength of the fundamental signal	15.249 (a)	Passed
Spurious emissions	15.249 (a)/15.209	Passed
Band edge (Radiated Emission)	15.249(a)/15.205	Passed
20dB Occupied Bandwidth	15.215 (c)	Passed

Remark: Passed: The EUT complies with the essential requirements in the standard.

Failed: The EUT does not comply with the essential requirements in the standard.

4 General Information

4.1 Client Information

Applicant:	ShenZhen Xinzhensheng electronics CO LTD
Manufacturer/ Factory:	SHENZHEN XINZHENSHENG ELECTRONICS CO,, LTD.
Address of Applicant:	Building 49, Baotian Industrial Zone Xixiang Town, Shenzhen, China
Address of Manufacturer:	Building 49, Baotian Industrial Zone, Xixiang Town, Baoan District, Shenzhen, China

4.2 General Description of E.U.T.

Product Name:	WII Wireless Classic Controller
Trade Name:	N/A
Item No.:	FM3963
Operation Frequency:	2402MHz to 2476MHz
Channel numbers:	75
Channel separation:	1MHz
Modulation type:	FSK
Antenna Type:	Integral
Antenna gain:	0dBi
Power supply:	DC3.0V (2*1.5”AAA”)

Operation Frequency each of channel									
channel	Frequency	channel	Frequency	channel	Frequency	channel	Frequency	channel	Frequency
1	2402	16	2417	31	2432	46	2447	61	2462
2	2403	17	2418	32	2433	47	2448	62	2463
3	2404	18	2419	33	2434	48	2449	63	2464
4	2405	19	2420	34	2435	49	2450	64	2465
5	2406	20	2421	35	2436	50	2451	65	2466
6	2407	21	2422	36	2437	51	2452	66	2467
7	2408	22	2423	37	2438	52	2453	67	2468
8	2409	23	2424	38	2439	53	2454	68	2469
9	2410	24	2425	39	2440	54	2455	69	2470
10	2411	25	2426	40	2441	55	2456	70	2471
11	2412	26	2427	41	2442	56	2457	71	2472
12	2413	27	2428	42	2443	57	2458	72	2473
13	2414	28	2429	43	2444	58	2459	73	2474
14	2415	29	2430	44	2445	59	2460	74	2475
15	2416	30	2431	45	2446	60	2461	75	2476

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2440MHz
The Highest channel	2476MHz

4.3 E.U.T Operation mode

Operating Environment:

Temperature:	24.0 °C
Humidity:	52 % RH
Atmospheric Pressure:	1008 mbar

Test mode:

Normal operation mode:	Keep the EUT connect to the WII primary and exchange data.
Transmitting mode:	Keep the EUT in transmitting mode with modulation.

4.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

VCCI

The 3m Semi-anechoic chamber and Shielded Room (7.5m x 4.0m x 3.0m) of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2197 and C-2383 respectively.

Date of Registration: September 29, 2008. Valid until September 28, 2011.

FCC – Registration No.: 556682

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 556682, June 27, 2008.

Industry Canada (IC)

The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1.

4.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch E&E Lab

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053 Fax: +86 (0) 755 2671 0594

No tests were sub-contracted.

4.6 Other Information Requested by the Customer

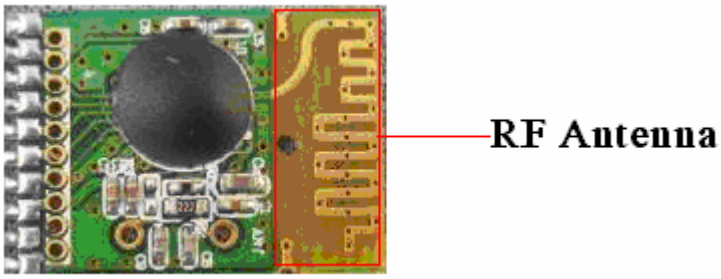
None.

4.7 Test Instrument list

RE in Chamber						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (dd-mm-yy)**	**Cal.Due date (dd-mm-yy)**
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	16-06-2009	15-06-2010
2	EMI Test Receiver	Rohde & Schwarz	ESIB26	SEL0023	12-12-2009	11-12-2010
3	EMI Test software	AUDIX	E3	SEL0050	N/A	N/A
4	Coaxial cable	SGS	N/A	SEL0028	18-06-2009	17-06-2010
6	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0014	12-08-2009	11-08-2010
7	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0005	12-08-2009	11-08-2010
8	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEL0076	12-08-2009	11-08-2010
9	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	18-06-2009	17-06-2010
10	Pre-amplifier (1-18GHz)	Rohde & Schwarz	AFS42-00101 800-25-S-42	SEL0081	18-06-2009	17-06-2010
11	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	SEL0080	18-06-2009	17-06-2010
12	Band filter	Amindeon	82346	SEL0094	18-06-2009	17-06-2010

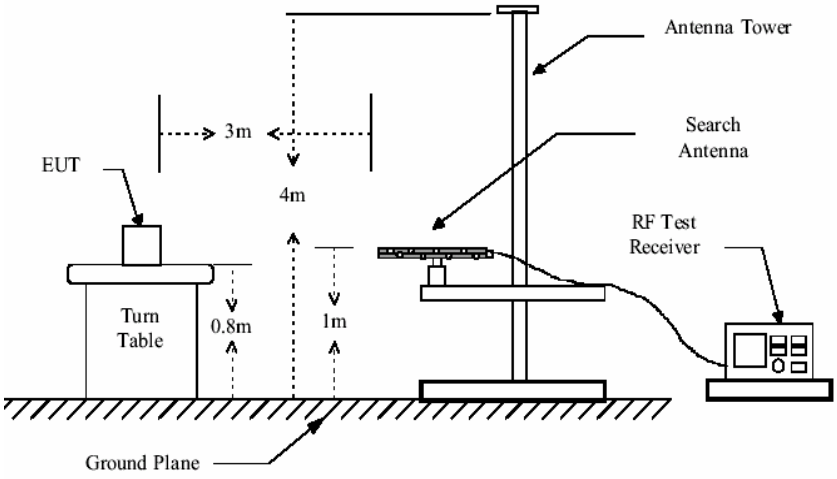
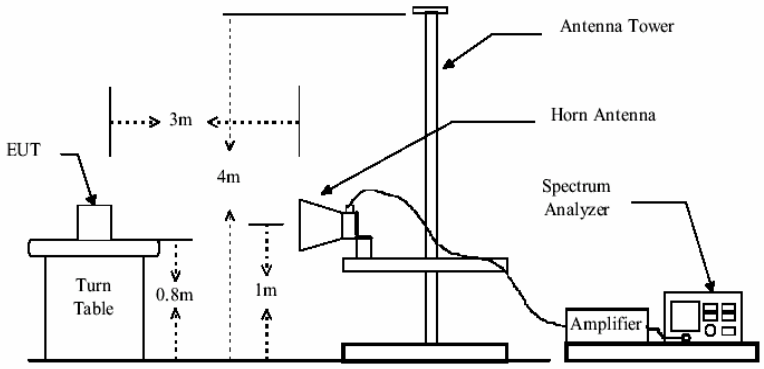
5 Test results and Measurement Data

5.1 Antenna requirement:

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: *An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.*	
E.U.T Antenna:	

5.2 Radiated Emission

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.249 and 15.209</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4: 2003</td></tr>
<tr><td>Test Frequency Range:</td><td>30MHz to 25000MHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:
(Field strength of the fundamental signal)</td><td>
<table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td rowspan="2">2400MHz-2483.5MHz</td><td>94.0</td><td>Average Value</td></tr>
<tr><td>114.0</td><td>Peak Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:
(Spurious Emissions)</td><td>
<table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr>
<tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr>
<tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr>
<tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr>
<tr><td>74.0</td><td>Peak Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:
(band edge)</td><td>Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.</td></tr>
<tr><td>Test Procedure:</td><td>a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</td></tr>
</table>

Test Instruments:	Refer to section 4.7 for details
Test results:	Passed
Test mode:	Normal operation mode and transmitting mode
Test setup:	Below 1GHz  Above 1GHz 

Note:
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

Measurement Data

5.1.1 Field Strength Of The Fundamental Signal

Peak value:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2401.824	6.34	30.03	38.87	82.64	80.14	114	-33.86	Horizontal
2401.832	6.34	30.03	38.87	85.98	83.48	114	-30.52	Vertical
2440.430	6.4	30.18	38.59	81.98	79.97	114	-34.03	Horizontal
2440.430	6.4	30.18	38.59	84.64	82.63	114	-31.37	Vertical
2476.420	6.45	30.3	39.72	84.86	81.89	114	-32.11	Horizontal
2476.504	6.45	30.3	39.72	86.51	83.54	114	-30.46	Vertical

Average value:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2402.336	6.34	30.03	38.87	81.01	78.51	94	-15.49	Horizontal
2402.312	6.34	30.03	38.87	84.63	82.13	94	-11.87	Vertical
2440.420	6.4	30.18	38.59	80.96	78.95	94	-15.05	Horizontal
2440.420	6.4	30.18	38.59	83.55	81.54	94	-12.46	Vertical
2476.456	6.45	30.3	39.72	84.74	81.77	94	-12.23	Horizontal
2476.468	6.45	30.3	39.72	82.29	79.32	94	-14.68	Vertical

5.1.2 Spurious Emissions

30MHz~1GHz		
Test mode:	Transmitting	

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
102.750	1.21	8.97	27.85	47.70	30.03	40.00	-9.97	Vertical
159.980	1.34	9.60	27.38	41.98	25.54	40.00	-14.46	Vertical
322.940	1.98	14.76	26.90	42.61	32.45	47.00	-14.55	Vertical
529.550	2.63	18.59	27.68	43.62	37.16	47.00	-9.84	Vertical
529.550	2.63	18.59	27.68	43.62	37.16	47.00	-9.84	Vertical
792.420	3.18	22.07	26.96	38.75	37.04	47.00	-9.96	Vertical
137.670	1.29	8.00	27.54	45.36	27.11	40.00	-12.89	Horizontal
230.790	1.58	11.70	27.00	41.30	27.58	47.00	-19.42	Horizontal
322.940	1.98	14.76	26.90	40.34	30.18	47.00	-16.82	Horizontal
525.670	2.63	18.53	27.68	37.71	31.19	47.00	-15.81	Horizontal
611.030	2.73	20.05	27.58	39.72	34.92	47.00	-12.08	Horizontal
815.700	3.27	22.29	26.85	38.56	37.27	47.00	-9.73	Horizontal

Above 1GHz					
Test mode:	Transmitting	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2316.000	6.00	29.74	39.83	42.08	37.99	74.00	-36.01	Vertical
3126.750	7.41	32.07	39.81	42.45	42.12	74.00	-31.88	Vertical
4078.500	8.10	33.21	40.35	42.60	43.56	74.00	-30.44	Vertical
5230.000	11.74	34.81	41.19	44.58	49.94	74.00	-24.06	Vertical
6616.500	13.20	36.63	40.89	44.44	53.38	74.00	-20.62	Vertical
8249.750	12.51	37.73	38.87	41.45	52.82	74.00	-21.18	Vertical
2327.750	6.02	29.76	39.75	44.95	40.98	74.00	-33.02	Horizontal
3432.250	7.24	32.46	39.65	45.51	45.56	74.00	-28.44	Horizontal
4783.500	9.45	34.23	41.50	51.32	53.50	74.00	-20.50	Horizontal
5829.250	13.00	35.59	41.99	45.39	51.99	74.00	-22.01	Horizontal
6440.250	14.18	36.39	41.44	45.54	54.67	74.00	-19.33	Horizontal
9753.750	13.89	38.03	37.94	39.73	53.71	74.00	-20.29	Horizontal

Test mode:	Transmitting	Test channel:	Lowest	Remark:	average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2316.000	6.00	29.74	39.83	34.49	30.40	54.00	-23.60	Vertical
3126.750	7.41	32.07	39.81	32.50	32.17	54.00	-21.83	Vertical
4078.500	8.10	33.21	40.35	33.60	34.56	54.00	-19.44	Vertical
5230.000	11.74	34.81	41.19	35.21	40.57	54.00	-13.43	Vertical
6616.500	13.20	36.63	40.89	31.61	40.55	54.00	-13.45	Vertical
8249.750	12.51	37.73	38.87	30.19	41.56	54.00	-12.44	Vertical
2327.750	6.02	29.76	39.75	35.21	31.24	54.00	-22.76	Horizontal
3423.250	7.23	32.45	39.70	35.81	35.79	54.00	-18.21	Horizontal
4783.500	9.45	34.23	41.50	35.60	37.78	54.00	-16.22	Horizontal
5829.250	13.00	35.59	41.99	31.60	38.20	54.00	-15.80	Horizontal
6440.250	14.18	36.39	41.44	32.20	41.33	54.00	-12.67	Horizontal
9753.750	13.89	38.03	37.94	28.30	42.28	54.00	-11.72	Horizontal

Test mode:	Transmitting	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2339.500	6.08	29.81	39.59	43.39	39.69	74.00	-34.31	Vertical
3514.500	7.50	32.56	39.67	44.44	44.83	74.00	-29.17	Vertical
4877.500	10.36	34.34	39.89	54.78	59.59	74.00	-14.41	Vertical
6769.250	13.44	36.83	40.26	44.38	54.39	74.00	-19.61	Vertical
8602.250	13.11	37.76	37.89	43.08	56.06	74.00	-17.94	Vertical
10529.250	14.58	38.20	36.32	39.98	56.44	74.00	-17.56	Vertical
2445.250	6.40	30.18	38.59	42.80	40.79	74.00	-33.21	Horizontal
2809.500	6.41	31.34	39.05	42.65	41.35	74.00	-32.65	Horizontal
3843.500	7.68	32.93	40.11	43.41	43.91	74.00	-30.09	Horizontal
4877.500	10.36	34.34	39.89	50.13	54.94	74.00	-19.06	Horizontal
7803.250	14.34	37.60	39.65	42.80	55.09	74.00	-18.91	Horizontal
10658.500	14.90	38.23	36.74	36.63	53.02	74.00	-20.98	Horizontal

Test mode:	Transmitting	Test channel:	Middle	Remark:	average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2339.500	6.08	29.81	39.59	35.60	31.90	54.00	-22.10	Vertical
3514.500	7.50	32.56	39.67	34.50	34.89	54.00	-19.11	Vertical
4877.500	10.36	34.34	39.89	34.20	39.01	54.00	-14.99	Vertical
6769.250	13.44	36.83	40.26	33.80	43.81	54.00	-10.19	Vertical
8062.250	12.69	37.71	39.69	29.59	40.30	54.00	-13.70	Vertical
10529.250	14.58	38.20	36.32	26.61	43.07	54.00	-10.93	Vertical
2445.250	6.40	30.18	38.59	32.80	30.79	54.00	-23.21	Horizontal
2809.500	6.41	31.34	39.05	33.60	32.30	54.00	-21.70	Horizontal
3843.500	7.68	32.93	40.11	35.20	35.70	54.00	-18.30	Horizontal
4877.500	10.36	34.34	39.89	30.60	35.41	54.00	-18.59	Horizontal
7803.250	14.34	37.60	39.65	25.60	37.89	54.00	-16.11	Horizontal
10658.500	14.90	38.23	36.74	24.81	41.20	54.00	-12.80	Horizontal

Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2927.000	6.41	31.71	39.33	42.29	41.08	74.00	-32.92	Vertical
3655.500	7.92	32.72	40.07	44.47	45.04	74.00	-28.96	Vertical
4936.250	10.53	34.41	40.90	50.30	54.34	74.00	-19.66	Vertical
6863.250	13.55	36.93	40.44	42.59	52.63	74.00	-21.37	Vertical
7838.500	14.16	37.61	39.69	40.64	52.72	74.00	-21.28	Vertical
9753.750	13.89	38.03	37.94	36.84	50.82	74.00	-23.18	Vertical
2974.000	6.58	31.83	39.10	41.33	40.64	74.00	-33.36	Horizontal
3843.500	7.68	32.93	40.11	40.98	41.48	74.00	-32.52	Horizontal
4936.250	10.53	34.41	40.90	49.23	53.27	74.00	-20.73	Horizontal
6334.500	14.43	36.27	41.55	44.04	53.19	74.00	-20.81	Horizontal
8085.250	12.63	37.71	39.59	40.89	51.64	74.00	-22.36	Horizontal
9977.000	14.32	38.09	37.62	38.42	53.21	74.00	-20.79	Horizontal

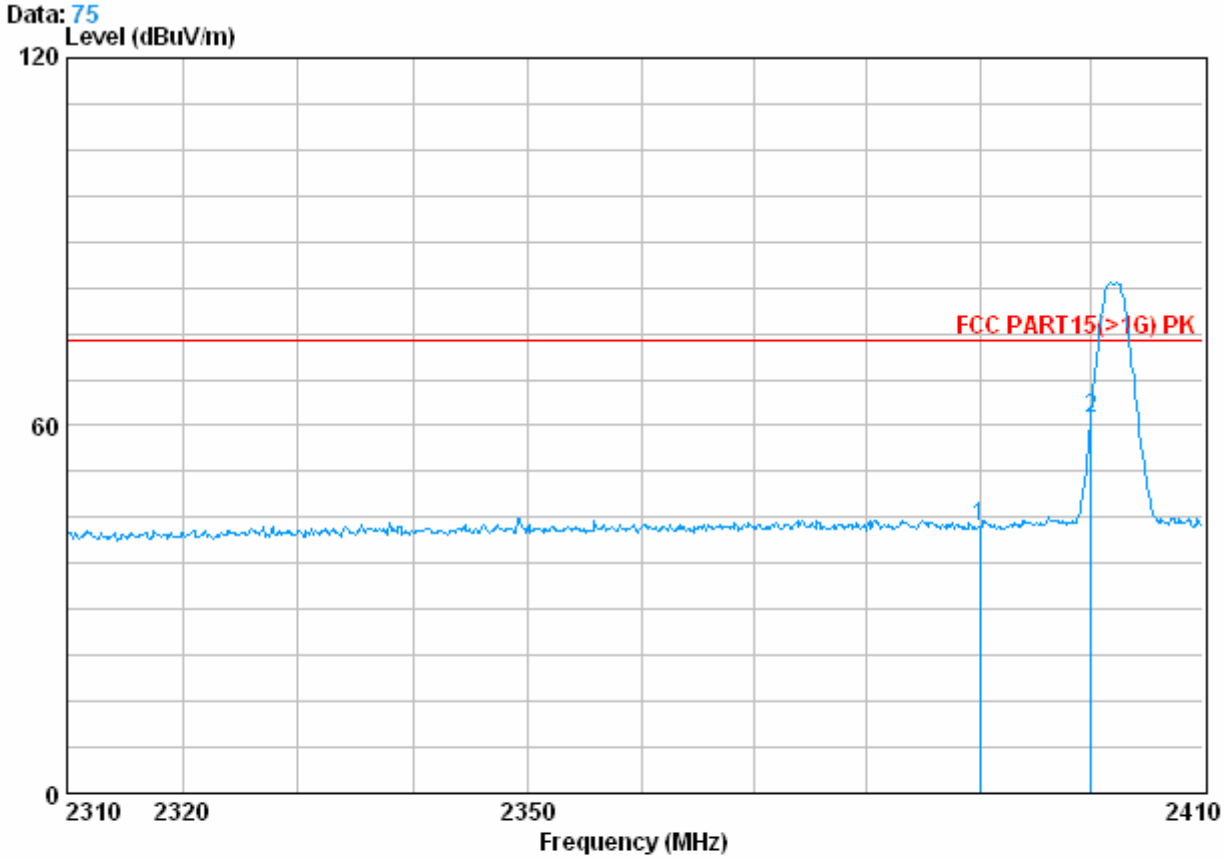
Test mode:	Transmitting	Test channel:	Highest	Remark:	average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2927.000	6.41	31.71	39.33	34.49	33.28	54.00	-20.72	Vertical
3655.500	7.92	32.72	40.07	34.44	35.01	54.00	-18.99	Vertical
4936.250	10.53	34.41	40.90	36.60	40.64	54.00	-13.36	Vertical
6863.250	13.55	36.93	40.44	31.80	41.84	54.00	-12.16	Vertical
7838.500	14.16	37.61	39.69	28.79	40.87	54.00	-13.13	Vertical
9753.750	13.89	38.03	37.94	27.50	41.48	54.00	-12.52	Vertical
2974.000	6.58	31.83	39.10	32.49	31.80	54.00	-22.20	Horizontal
3843.500	7.68	32.93	40.11	33.60	34.10	54.00	-19.90	Horizontal
4936.250	10.53	34.41	40.90	38.70	42.74	54.00	-11.26	Horizontal
6334.500	14.43	36.27	41.55	34.80	43.95	54.00	-10.05	Horizontal
8085.250	12.63	37.71	39.59	30.20	40.95	54.00	-13.05	Horizontal
9977.000	14.32	38.09	37.62	28.60	43.39	54.00	-10.61	Horizontal

5.1.3 Band edge (Radiated Emission)

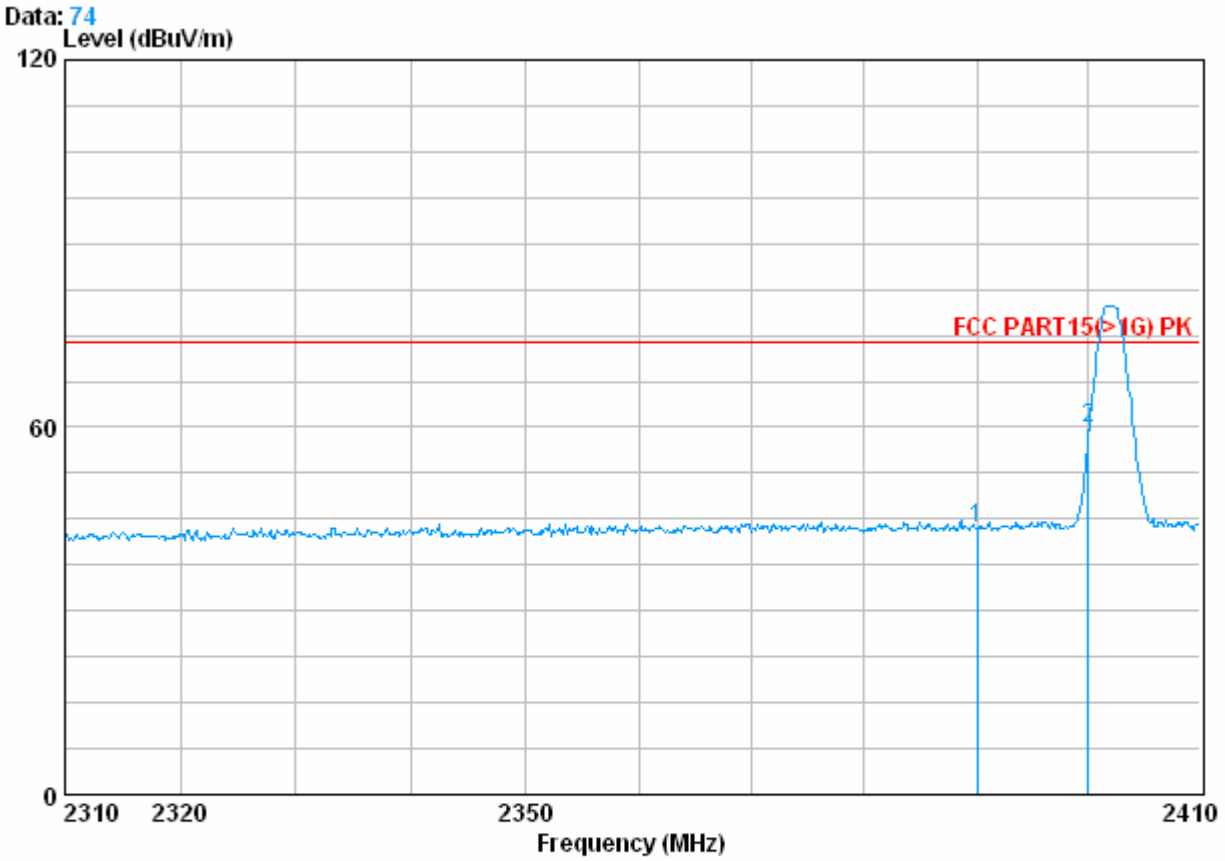
Test mode:	Transmitting	Test channel:	Lowest	Remark:	Peak

Vertical:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2390.000	6.28	29.98	39.03	46.29	43.53	74.00	-30.47
2 @	2400.000	6.34	30.03	38.87	63.48	60.98	74.00	-13.02

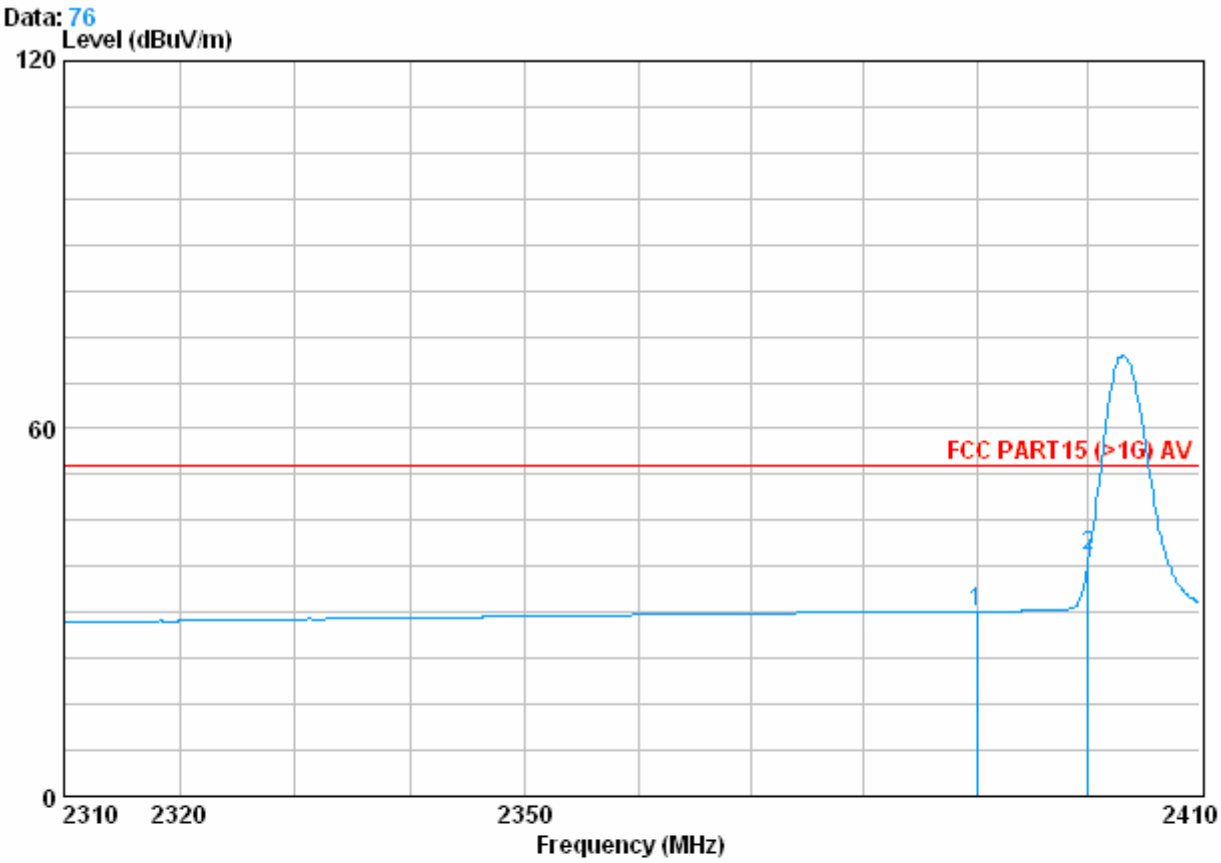
Horizontal:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2390.000	6.28	29.98	39.03	46.12	43.35	74.00	-30.65
2 @	2400.000	6.34	30.03	38.87	62.42	59.92	74.00	-14.08

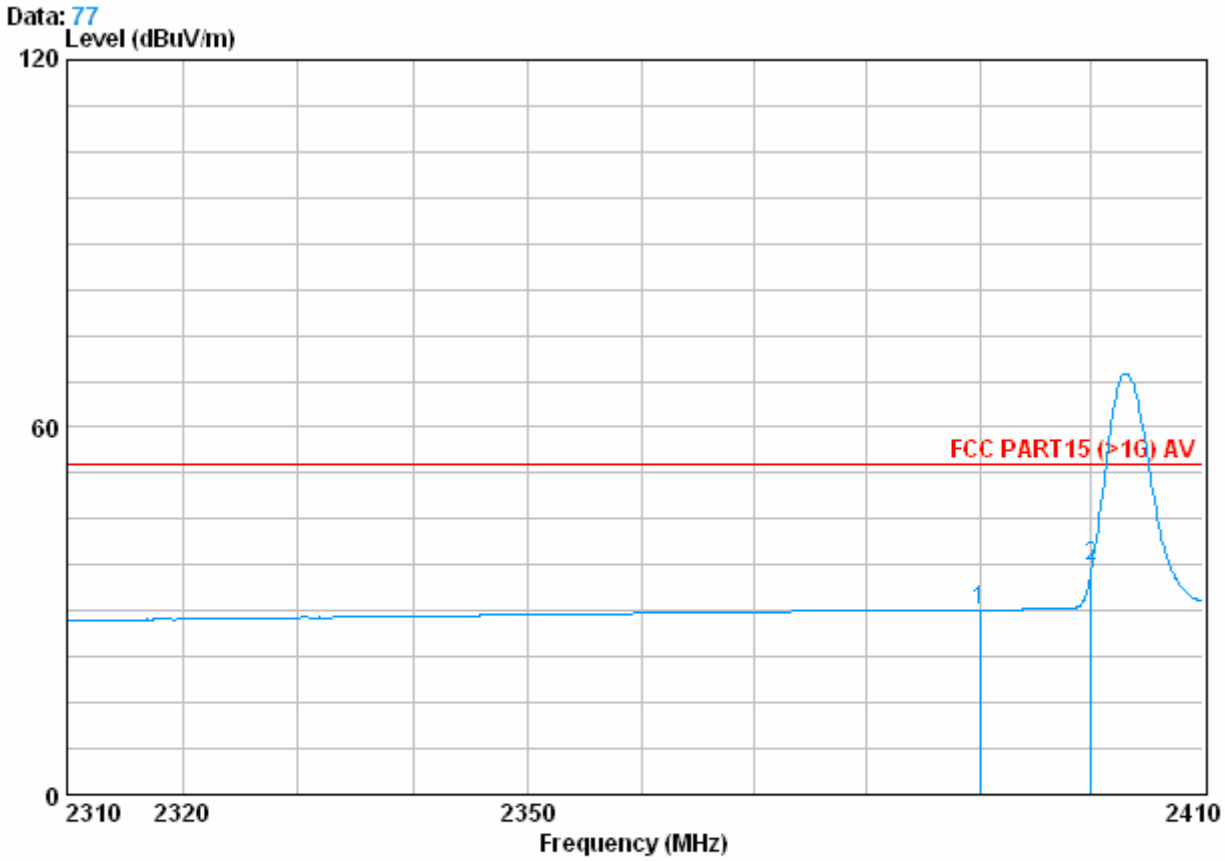
Test mode:	Transmitting	Test channel:	Lowest	Remark:	Average

Vertical:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2390.000	6.28	29.98	39.03	32.84	30.08	54.00	-23.92
2 @	2400.000	6.34	30.03	38.87	41.70	39.20	54.00	-14.80

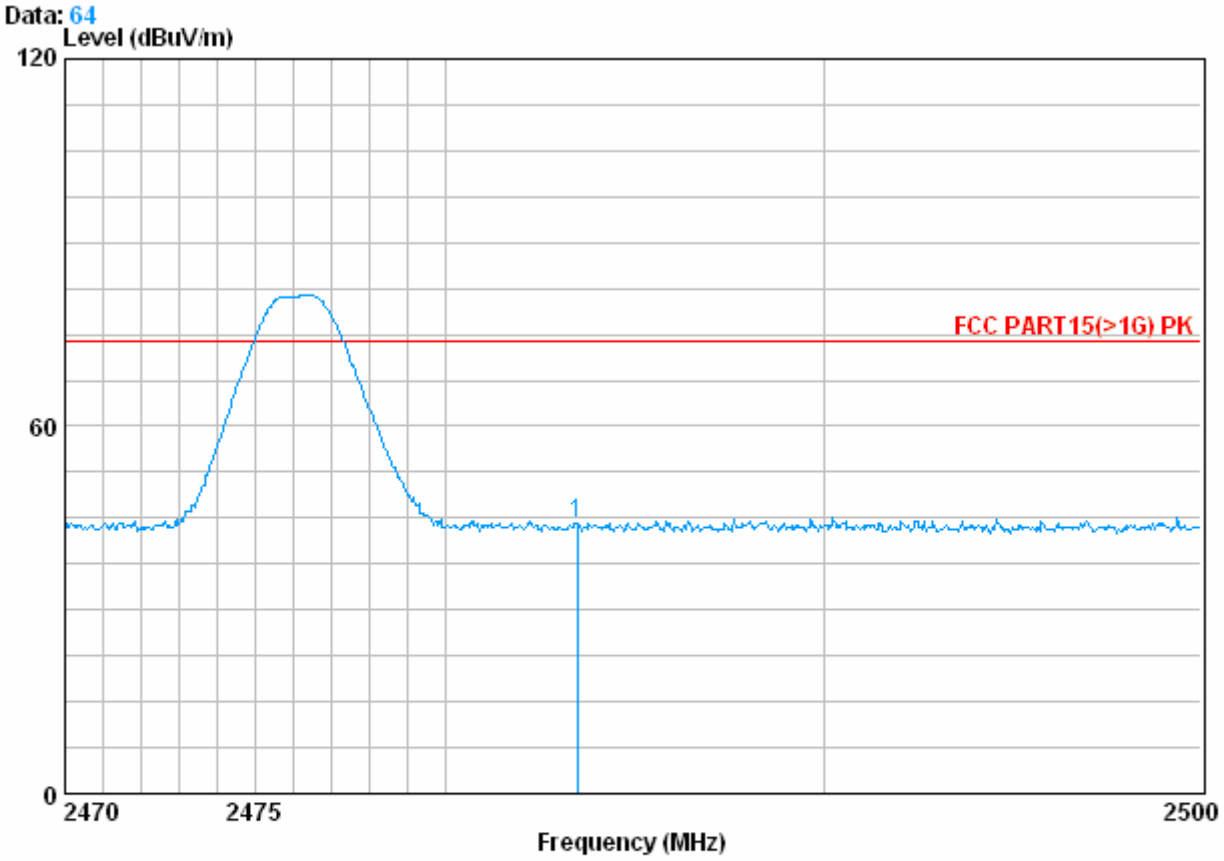
Horizontal:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2390.000	6.28	29.98	39.03	32.85	30.08	54.00	-23.92
2	2400.000	6.34	30.03	38.87	39.89	37.39	54.00	-16.61

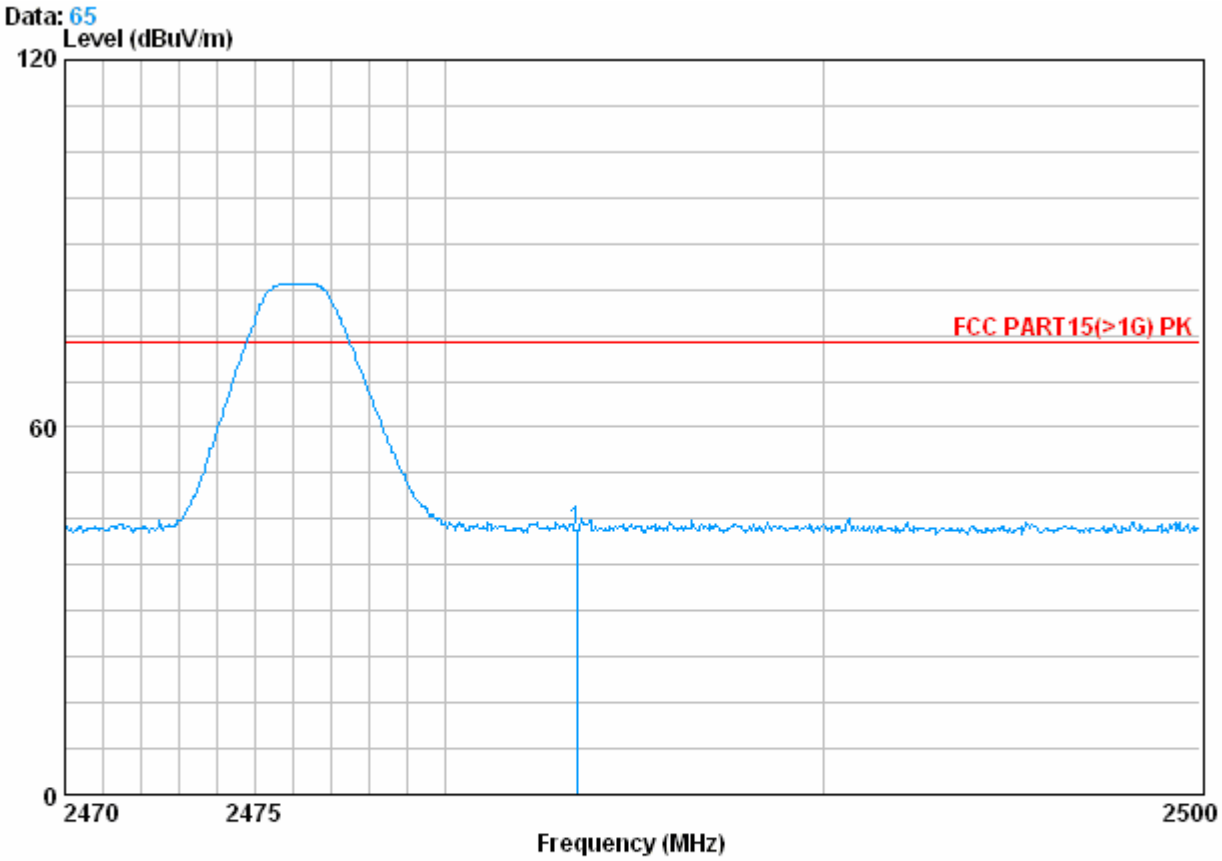
Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak

Vertical:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2483.500	6.22	30.32	39.53	46.97	43.99	74.00	-30.01

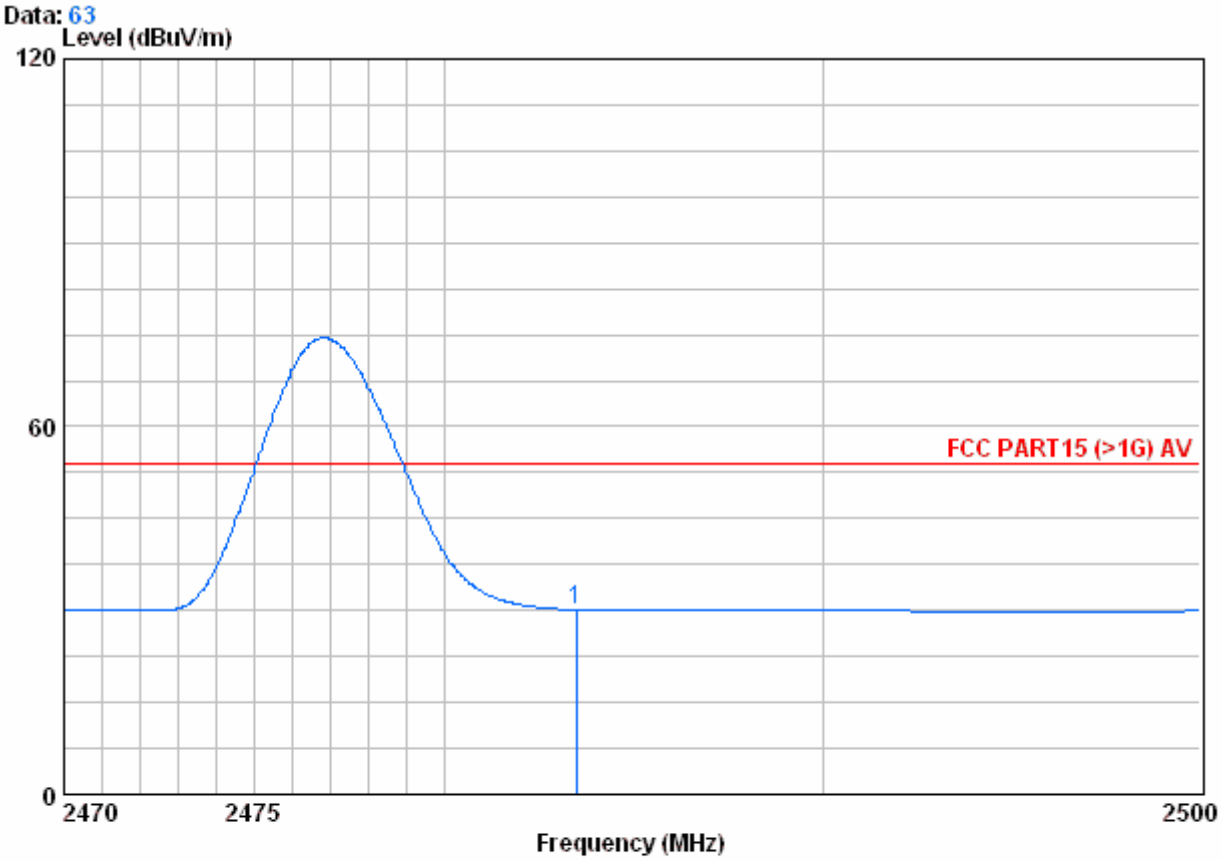
Horizontal:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2483.500	6.22	30.32	39.53	46.19	43.20	74.00	-30.80

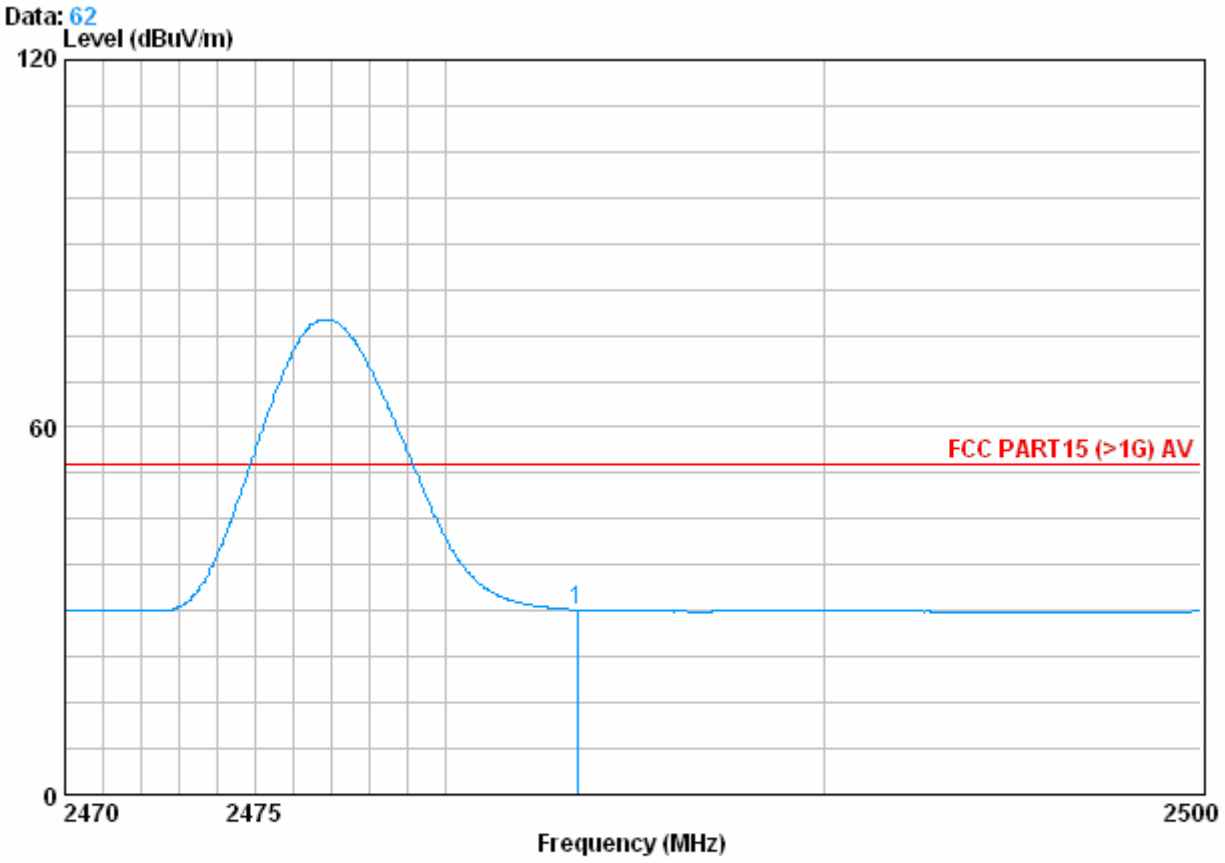
Test mode:	Transmitting	Test channel:	Highest	Remark:	Average

Vertical:



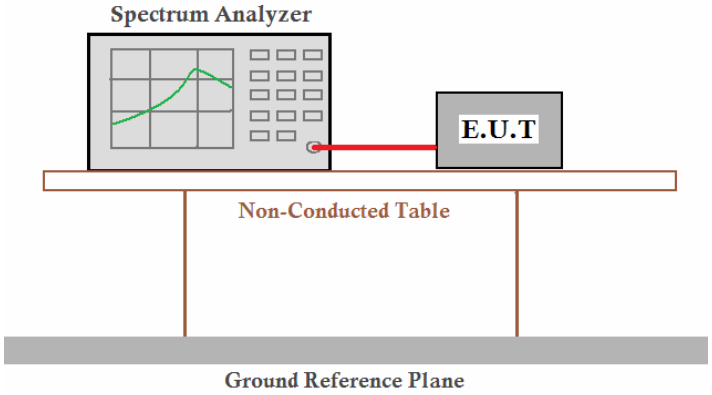
	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2483.500	6.22	30.32	39.53	33.10	30.11	54.00	-23.89

Horizontal:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2483.500	6.22	30.32	39.53	33.18	30.19	54.00	-23.81

5.1.4 20dB Bandwidth

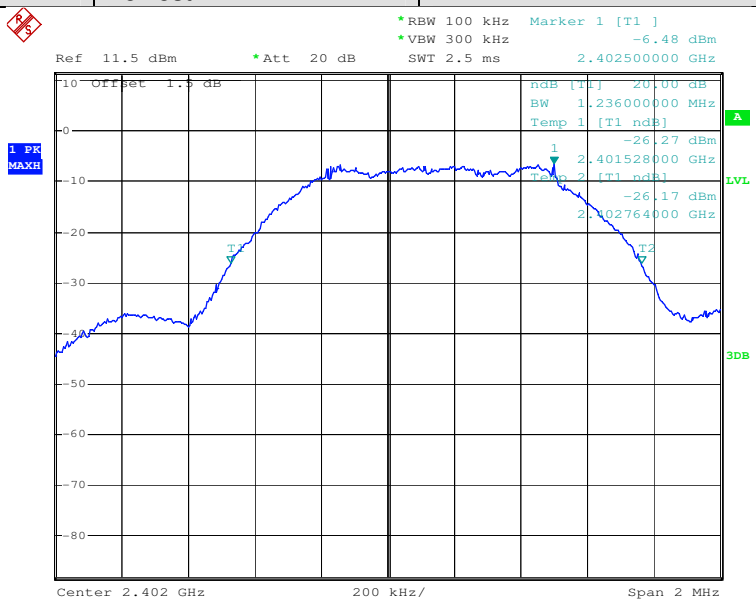
Test Requirement:	FCC Part15 C Section 15.249/15.215
Test Method:	ANSI C63.4:2003
Limit:	Operation Frequency range 2400MHz-2483.5MHz
Test Procedure:	1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set the EUT to proper test channel. 3. Max hold the radiated emissions, mark the peak power frequency point and the -20dB upper and lower frequency points. 4. Read 20dB bandwidth.
Test setup:	
Test Instruments:	Refer to section 4.7 for details
Test mode:	Transmitting mode
Test results:	Passed

Measurement Data

Test channel	20dB bandwidth (MHz)	Results
Lowest	1.236	Pass
Middle	1.240	Pass
Highest	1.268	Pass

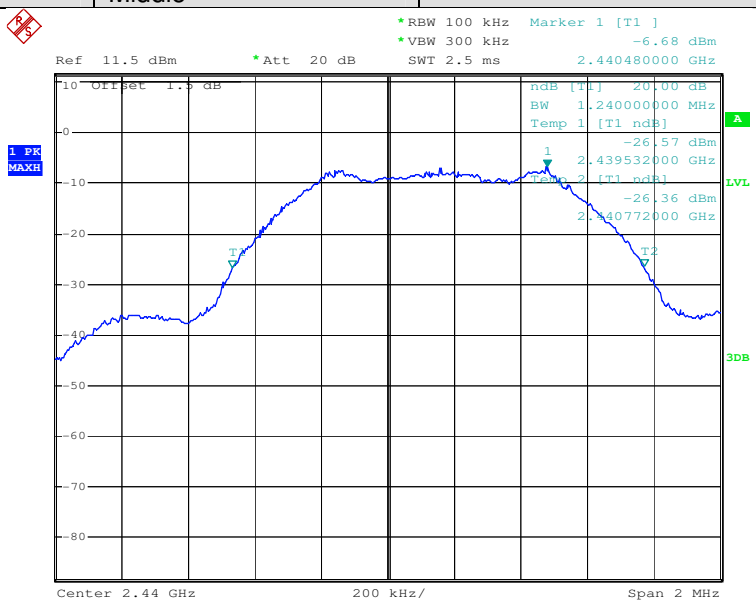
Test plot as follows:

Test channel:	Lowest	



Date: 17.MAY.2010 17:30:44

Test channel:	Middle	



Date: 17.MAY.2010 17:31:43

Test channel:	Highest