SGS-CSTC Standards Technical Services Ltd.

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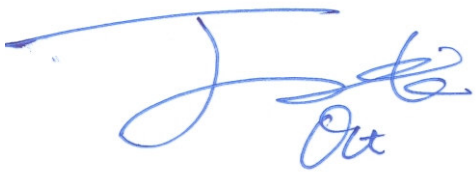
FCC REPORT

Application No. :	SZEMO100905919RF
Applicant:	Shenzhen Fuyeda Industry Development Corp., Ltd
Product Name:	MOUSE
Operation Frequency:	2402.3MHz to 2480.3MHz
FCC ID:	V4P-MS188RL
Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.249: 2009
Date of Receipt	2010-09-13
Date of Test	2010-09-14 to 2010-10-12
Date of Issue	2010-10-14
Test Result :	**PASS ***

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

Authorized Signature:



Jack Zhang
Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.
The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full, without prior written permission of the Company.

2 Contents

3 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Passed
Band edge (Radiated Emission)	15.249(a)/15.205	Passed
Field strength of the fundamental signal	15.249 (a)	Passed
Spurious emissions	15.249/15.209	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 Fuyeda Industry Development Corp., Ltd
Manufacturer/Factory:	Shenzhen Fuyeda Industry Development Corp., Ltd
Address of Applicant:	No.1, NEWMEN ROAD, TONGSHENG VILLAGE, DALANG STREET, BAO'AN, SHENZHEN, CHINA
Address of Manufacturer/ Factory:	No.1, NEWMEN ROAD, TONGSHENG VILLAGE, DALANG STREET, BAO'AN, SHENZHEN, CHINA

4.2 General Description of E.U.T.

Product Name:	MOUSE
Trade Name:	NEWMEN
Item No.:	MS-188RL
Operating frequency range:	2402.3MHz to 2480.3MHz
Number of Channel:	16
Modulation type:	GFSK (Frequency hopping)
Antenna Type:	Integral
Power supply:	3.0V DC (2 * 1.5V "AAA" Size Batteries)

Operation Frequency and Channel Number:

channel	frequency	unit
0	2402.3	MHZ
1	2425.3	MHZ
2	2448.3	MHZ
3	2471.3	MHZ
4	2405.3	MHZ
5	2428.3	MHZ
6	2451.3	MHZ
7	2474.3	MHZ
8	2408.3	MHZ
9	2431.3	MHZ
10	2454.3	MHZ
11	2477.3	MHZ
12	2411.3	MHZ
13	2434.3	MHZ
14	2457.3	MHZ
15	2480.3	MHZ

Note:

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 for testing:

Channel	Frequency
lowest channel (CH 0)	2402.3MHz
middle channel (CH 2)	2448.3MHz
highest channel (CH 15)	2480.3MHz

4.3 E.U.T Operation mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	52 % RH
Atmospheric Pressure:	1010 mBar
Test mode:	
Transmitting mode:	Keep the EUT transmitting the continuous modulation signal at the specifical channel(s).

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.

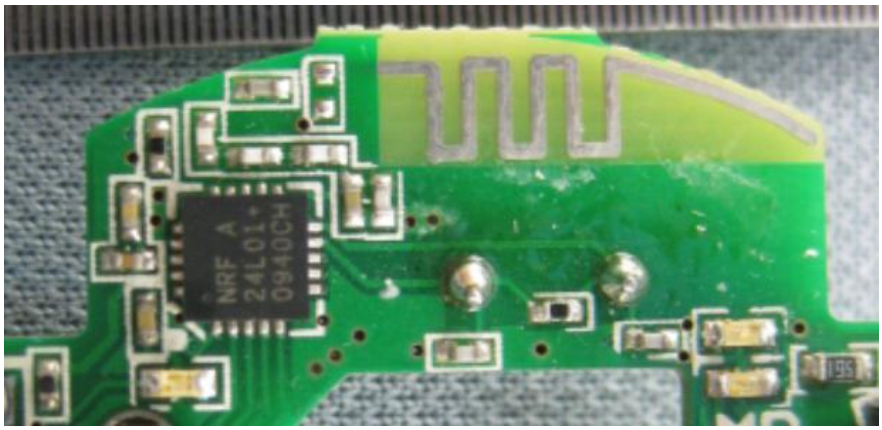
4.7 Test Instruments list:

RE in Chamber						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (yyyy-mm-dd)**	**Cal.Due date (yyyy-mm-dd)**
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	2010-06-17	2011-06-17
2	EMI Test Receiver	Rohde & Schwarz	ESIB26	SEL0023	2009-11-05	2010-11-05
3	EMI Test software	AUDIX	E3	SEL0050	N/A	N/A
4	Coaxial cable	SGS	N/A	SEL0028	2008-06-18	2011-06-18
5	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0015	2009-11-05	2010-11-05
6	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0006	2009-11-10	2010-11-10
7	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEL0076	2009-11-10	2010-11-10
8	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	2010-06-02	2011-06-02
9	Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEL0168	2009-12-18	2010-12-18
10	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	SEL0080	2010-06-04	2011-06-04
11	Band filter	Amindeon	82346	SEL0094	2010-06-02	2011-06-02

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:	
The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 0dBi.	



5.2 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.249, 15.209 and 15.205
Test Method:	ANSI C63.10: 2009
Test Frequency Range:	30MHz to 25GHz
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)
Receiver setup:	

Frequency	Detector	RBW	VBW	Remark
30MHz-1GHz	Quasi-peak	100kHz	300kHz	Quasi-peak Value
Above 1GHz	Peak	1MHz	3MHz	Peak Value
	Peak	1MHz	10Hz	Average Value

Limit:
(Field strength of the fundamental signal)

Frequency	Limit (dBuV/m @3m)	Remark
2400MHz-2483.5MHz	94.0	Average Value
	114.0	Peak Value

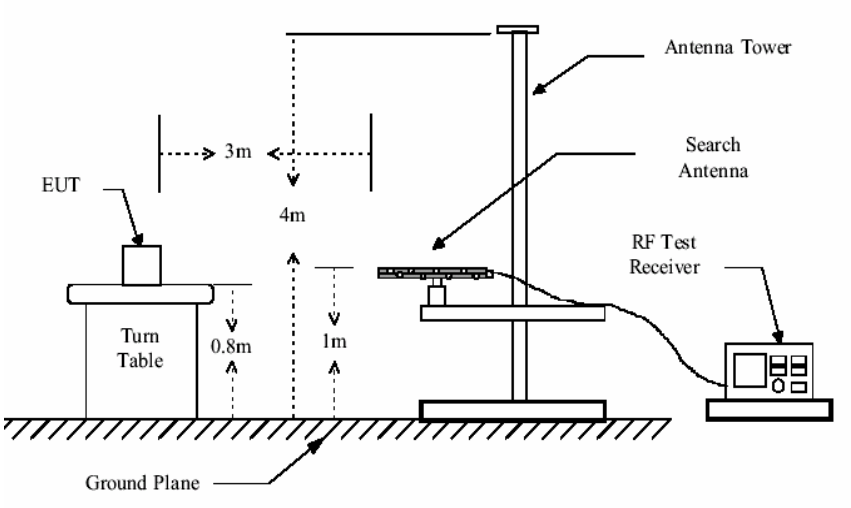
Limit:
(Spurious Emissions)

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
	74.0	Peak Value

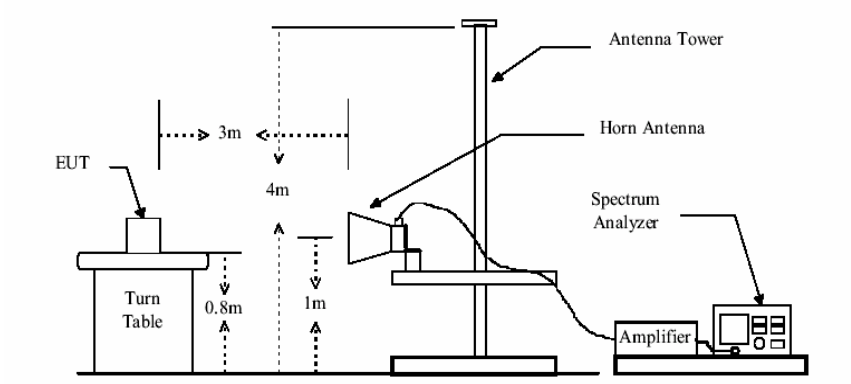
Test Procedure:	The E.U.T and its simulators are placed on a turntable which is 0.8 meter above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2009 on radiated measurement.
Test Instruments:	Refer to section 4.7 for details
Test mode:	Transmitting mode
Test result:	Passed

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

5.2.1 Field Strength Of The Fundamental Signal

Peak value:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Antenna Polarization
2402.3	6.34	30.03	38.87	95.36	92.86	114.00	-21.14	Horizontal
2402.3	6.34	30.03	38.87	95.30	92.80	114.00	-21.20	Vertical
2448.3	6.61	30.20	39.08	95.15	92.88	114.00	-21.12	Horizontal
2448.3	6.61	30.20	39.08	95.65	93.38	114.00	-20.62	Vertical
2480.3	6.45	30.30	39.72	95.48	92.51	114.00	-21.49	Horizontal
2480.3	6.45	30.30	39.72	95.86	92.89	114.00	-21.11	Vertical

Average value:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Antenna Polarization
2402.3	6.34	30.03	38.87	93.67	91.17	94.00	-2.83	Horizontal
2402.3	6.34	30.03	38.87	93.90	91.40	94.00	-2.60	Vertical
2448.3	6.61	30.20	39.08	93.43	91.16	94.00	-2.84	Horizontal
2448.3	6.61	30.20	39.08	93.87	91.60	94.00	-2.40	Vertical
2480.3	6.45	30.30	39.72	93.81	90.84	94.00	-3.16	Horizontal
2480.3	6.45	30.30	39.72	93.72	90.75	94.00	-3.25	Vertical

5.2.2 Spurious Emissions

30MHz~1GHz

Test mode: Transmitting

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Antenna Polarization
288.990	1.85	13.40	26.76	39.81	28.30	46.00	-17.70	Vertical
424.790	2.31	16.40	27.49	31.94	23.16	46.00	-22.84	Vertical
548.950	2.65	18.87	27.66	31.83	25.69	46.00	-20.31	Vertical
673.110	2.85	21.40	27.37	31.89	28.77	46.00	-17.23	Vertical
792.420	3.18	22.07	26.96	32.25	30.54	46.00	-15.46	Vertical
932.100	3.63	23.30	26.43	33.00	33.50	46.00	-12.50	Vertical
288.990	1.85	13.40	26.76	31.50	19.99	46.00	-26.01	Horizontal
389.870	2.17	16.18	27.34	31.23	22.24	46.00	-23.76	Horizontal
532.460	2.63	18.62	27.68	32.72	26.29	46.00	-19.71	Horizontal
700.270	2.90	21.60	27.28	32.26	29.48	46.00	-16.52	Horizontal
835.100	3.35	22.40	26.75	32.57	31.57	46.00	-14.43	Horizontal
947.620	3.65	23.30	26.43	32.04	32.56	46.00	-13.44	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)	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Antenna Polarization
4804	9.36	34.04	41.53	54.80	56.67	74.00	-17.33	Vertical
7206	13.38	36.33	40.98	49.91	58.64	74.00	-15.36	Vertical
9608	13.39	36.99	37.56	46.02	58.84	74.00	-15.16	Vertical
12010	16.45	38.80	39.09	45.77	61.93	74.00	-12.07	Vertical
14412	17.44	39.40	44.77	47.98	60.05	74.00	-13.95	Vertical
4804	9.36	34.04	41.53	52.89	54.76	74.00	-19.24	Horizontal
7206	13.38	36.33	40.98	48.19	56.92	74.00	-17.08	Horizontal
9608	13.39	36.99	37.56	45.04	57.86	74.00	-16.14	Horizontal
12010	16.45	38.80	39.09	45.89	62.05	74.00	-11.95	Horizontal
14412	17.44	39.40	44.77	46.49	58.56	74.00	-15.44	Horizontal

Test mode:	Transmitting	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Antenna Polarization
4804	9.36	34.04	41.53	48.40	50.27	54.00	-3.73	Vertical
7206	13.38	36.33	40.98	36.48	45.21	54.00	-8.79	Vertical
9608	13.39	36.99	37.56	32.18	45.00	54.00	-9.00	Vertical
12010	16.45	38.80	39.09	31.19	47.35	54.00	-6.65	Vertical
14412	17.44	39.40	44.77	35.79	47.86	54.00	-6.14	Vertical
4804	9.36	34.04	41.53	48.64	50.51	54.00	-3.49	Horizontal
7206	13.38	36.33	40.98	36.05	44.78	54.00	-9.22	Horizontal
9608	13.39	36.99	37.56	32.15	44.97	54.00	-9.03	Horizontal
12010	16.45	38.80	39.09	29.35	45.51	54.00	-8.49	Horizontal
14412	17.44	39.40	44.77	32.79	44.86	54.00	-9.14	Horizontal

Test mode:	Transmitting	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Antenna Polarization
4896	10.57	34.02	40.33	52.63	56.89	74.00	-17.11	Vertical
7323	12.91	36.10	40.40	51.37	59.98	74.00	-14.02	Vertical
9764	13.89	37.10	37.94	44.56	57.61	74.00	-16.39	Vertical
12205	17.95	38.93	39.30	46.18	63.76	74.00	-10.24	Vertical
14646	17.18	39.63	45.96	46.64	57.49	74.00	-16.51	Vertical
4896	10.57	34.02	40.33	50.57	54.83	74.00	-19.17	Horizontal
7323	12.91	36.10	40.40	49.80	58.41	74.00	-15.59	Horizontal
9764	13.89	37.10	37.94	45.91	58.96	74.00	-15.04	Horizontal
12205	17.95	38.93	39.30	45.90	63.48	74.00	-10.52	Horizontal
14646	17.18	39.63	45.96	48.32	59.17	74.00	-14.83	Horizontal

Test mode:	Transmitting	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Antenna Polarization
4896	10.57	34.02	40.33	45.83	50.09	54.00	-3.91	Vertical
7345	12.91	36.10	40.40	36.60	45.21	54.00	-8.79	Vertical
9793	13.89	37.10	37.94	31.36	44.41	54.00	-9.59	Vertical
12241	17.95	38.93	39.30	29.39	46.97	54.00	-7.03	Vertical
14689	17.18	39.63	45.96	34.82	45.67	54.00	-8.33	Vertical
4896	10.57	34.02	40.33	46.43	50.69	54.00	-3.31	Horizontal
7345	12.91	36.10	40.40	36.88	45.49	54.00	-8.51	Horizontal
9793	13.89	37.10	37.94	32.51	45.56	54.00	-8.44	Horizontal
12241	17.95	38.93	39.30	28.90	46.48	54.00	-7.52	Horizontal
14689	17.18	39.63	45.96	33.65	44.50	54.00	-9.50	Horizontal

Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak

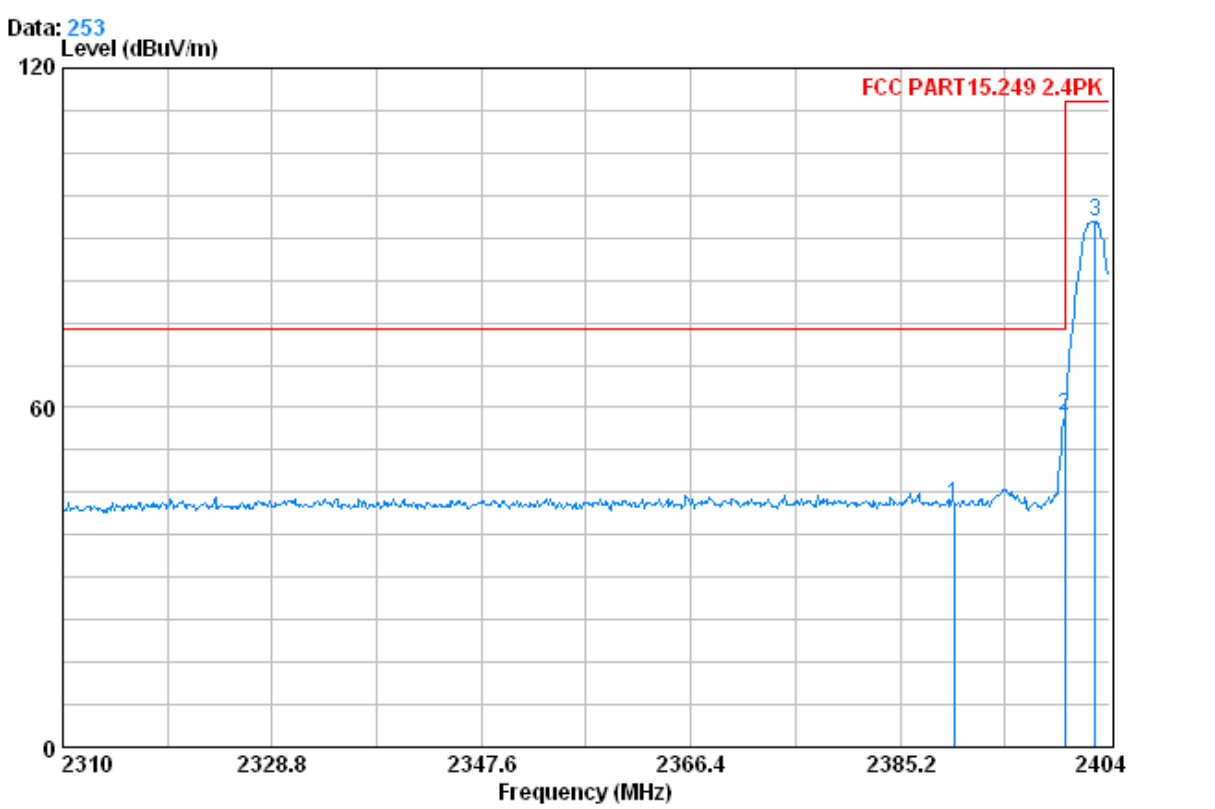
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Antenna Polarization
4960	10.43	34.01	41.03	53.45	56.86	74.00	-17.14	Vertical
7440	12.72	35.91	40.01	50.56	59.18	74.00	-14.82	Vertical
9920	14.24	37.23	37.78	44.41	58.10	74.00	-15.90	Vertical
12400	17.55	39.04	39.48	47.56	64.67	74.00	-9.33	Vertical
14880	16.69	39.80	46.61	48.02	57.90	74.00	-16.10	Vertical
4960	10.43	34.01	41.03	51.58	54.99	74.00	-19.01	Horizontal
7440	12.72	35.91	40.01	47.58	56.20	74.00	-17.80	Horizontal
9920	14.24	37.23	37.78	47.82	61.51	74.00	-12.49	Horizontal
12400	17.55	39.04	39.48	44.99	62.10	74.00	-11.90	Horizontal
14880	16.69	39.80	46.61	47.73	57.61	74.00	-16.39	Horizontal

Test mode:	Transmitting	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Emission Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Antenna Polarization
4960	10.43	34.01	41.03	46.58	49.99	54.00	-4.01	Vertical
7440	12.72	35.91	40.01	36.44	45.06	54.00	-8.94	Vertical
9920	14.24	37.23	37.78	33.69	47.38	54.00	-6.62	Vertical
12400	17.55	39.04	39.48	29.48	46.59	54.00	-7.41	Vertical
14880	16.69	39.80	46.61	36.22	46.10	54.00	-7.90	Vertical
4960	10.43	34.01	41.03	47.22	50.63	54.00	-3.37	Horizontal
7440	12.72	35.91	40.01	37.22	45.84	54.00	-8.16	Horizontal
9920	14.24	37.23	37.78	31.25	44.94	54.00	-9.06	Horizontal
12400	17.55	39.04	39.48	29.21	46.32	54.00	-7.68	Horizontal
14880	16.69	39.80	46.61	34.23	44.11	54.00	-9.89	Horizontal

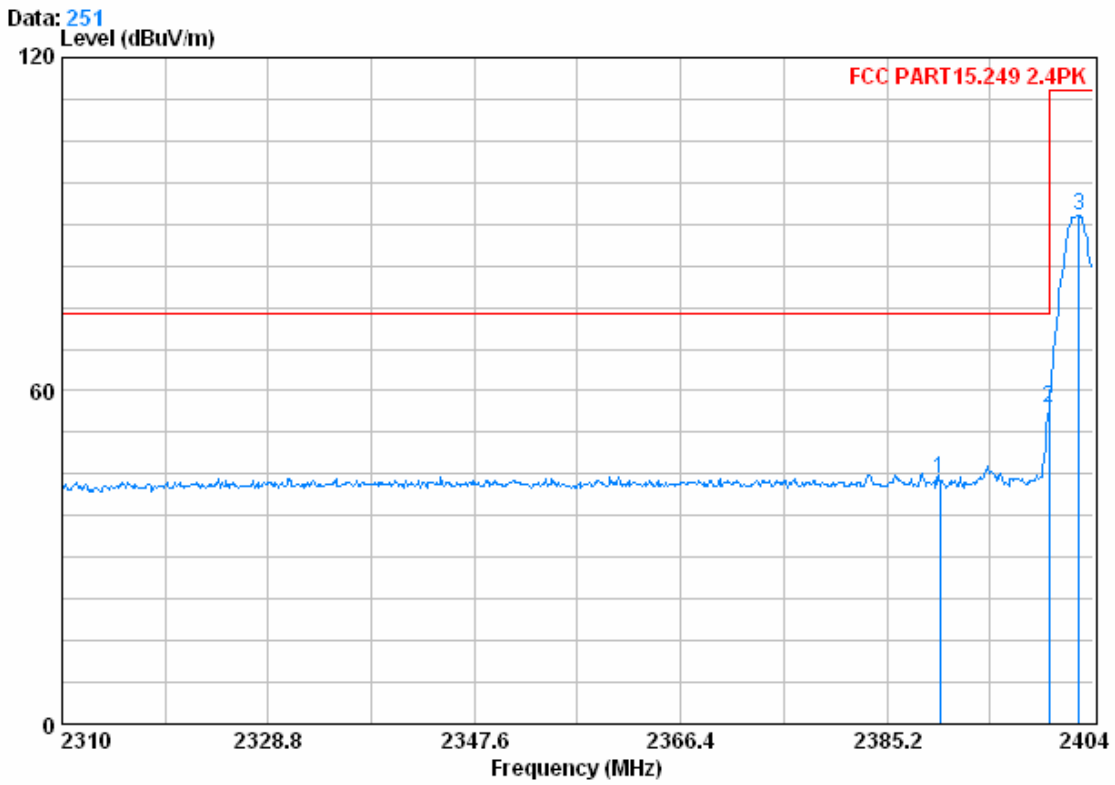
5.2.3 Band edge (Radiated Emission)					
Test mode:	Transmitting	Test channel:	Lowest	Remark:	Peak

Vertical:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2390.000	6.28	29.98	39.03	45.66	42.89	74.00	-31.11	Peak
2	2400.000	6.34	30.03	38.87	60.95	58.45	74.00	-15.55	Peak
3	2402.684	6.34	30.03	38.87	95.29	92.79	114.00	-21.21	Peak

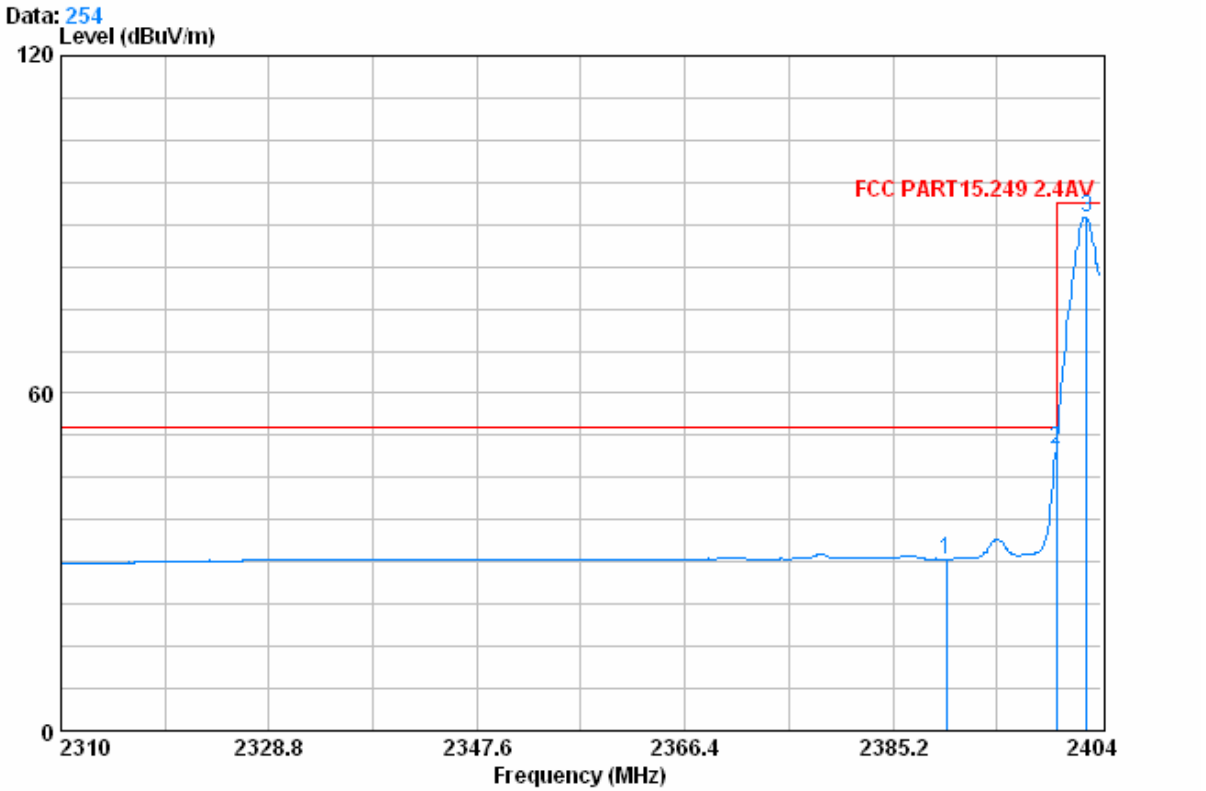
Horizontal:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2390.000	6.28	29.98	39.03	46.92	44.15	74.00	-29.85	Peak
2	2400.000	6.34	30.03	38.87	59.56	57.06	74.00	-16.94	Peak
3	2402.684	6.34	30.03	38.87	93.97	91.47	114.00	-22.53	Peak

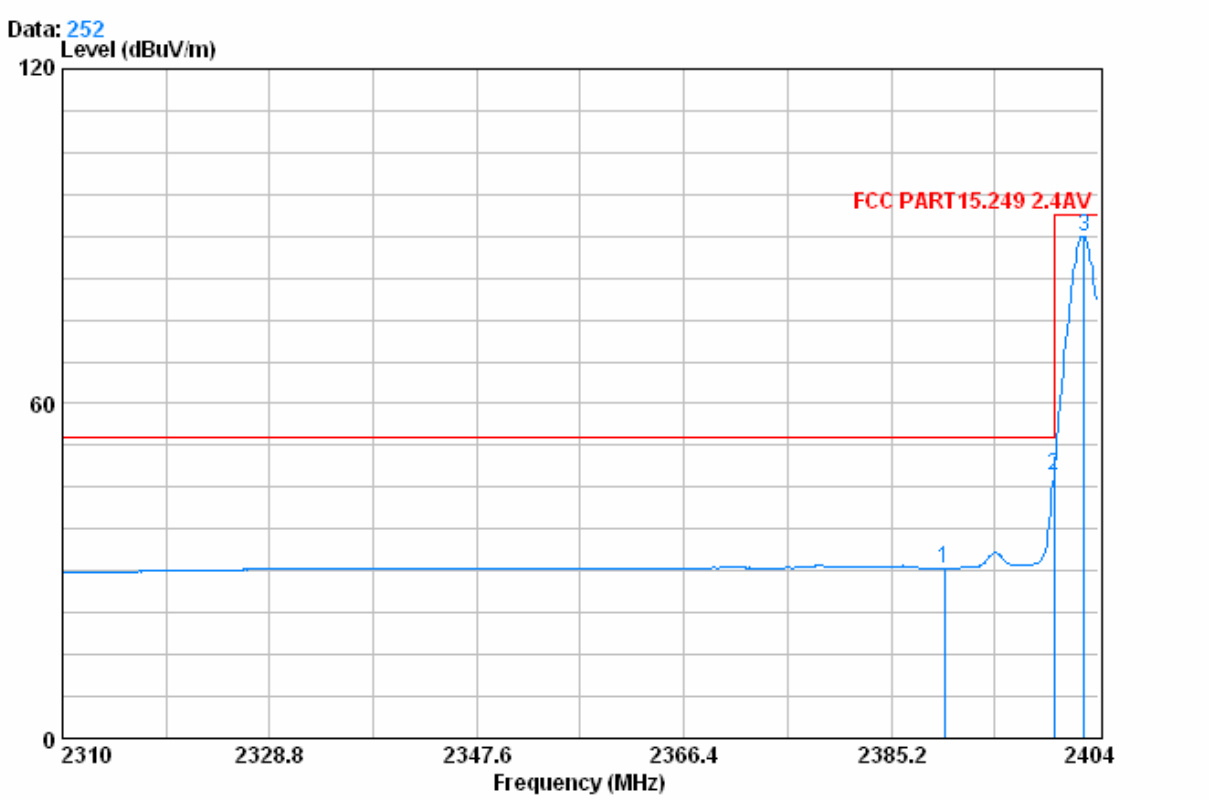
Test mode:	Transmitting	Test channel:	Lowest	Remark:	Average

Vertical:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2390.000	6.28	29.98	39.03	33.29	30.53	54.00	-23.47	Average
2	2400.000	6.34	30.03	38.87	52.67	50.17	54.00	-3.83	Average
3	2402.684	6.34	30.03	38.87	93.68	91.18	94.00	-2.82	Average

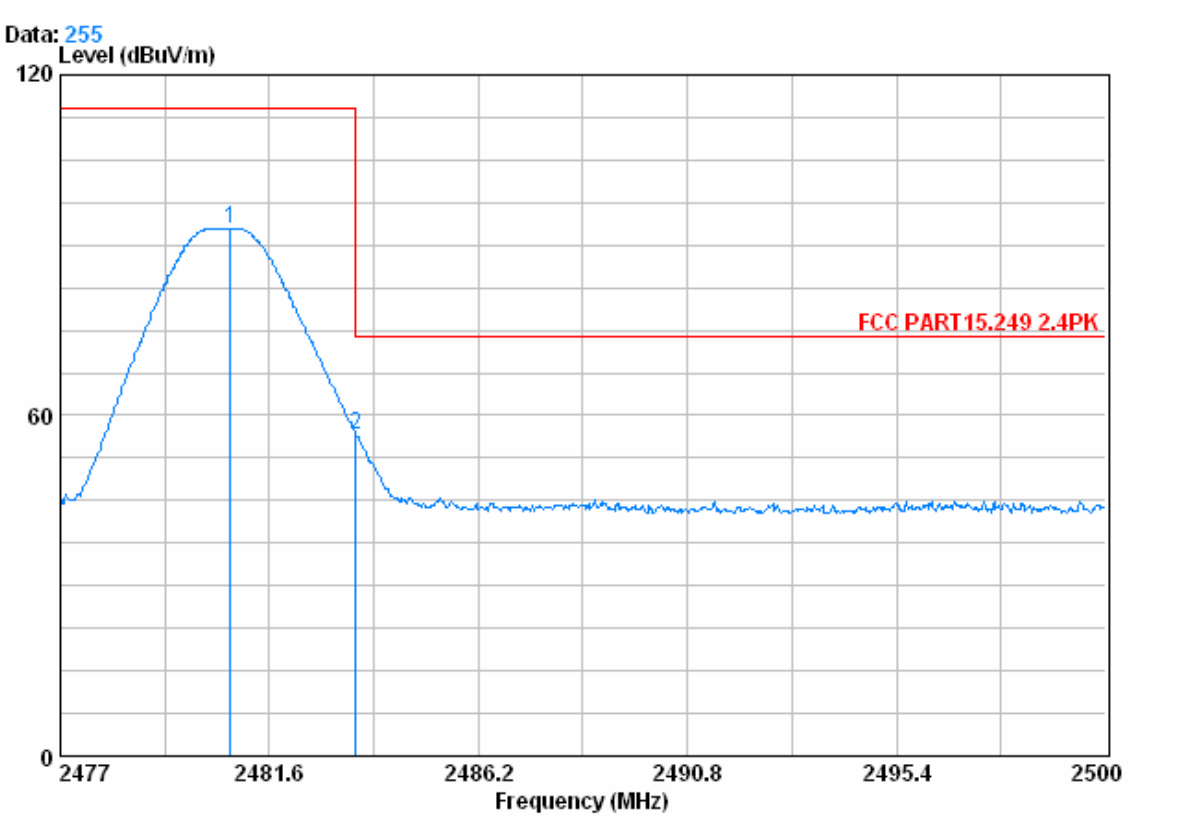
Horizontal:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2390.000	6.28	29.98	39.03	33.21	30.45	54.00	-23.55	Average
2	2400.000	6.34	30.03	38.87	49.47	46.97	54.00	-7.03	Average
3	2402.684	6.34	30.03	38.87	92.50	90.00	94.00	-4.00	Average

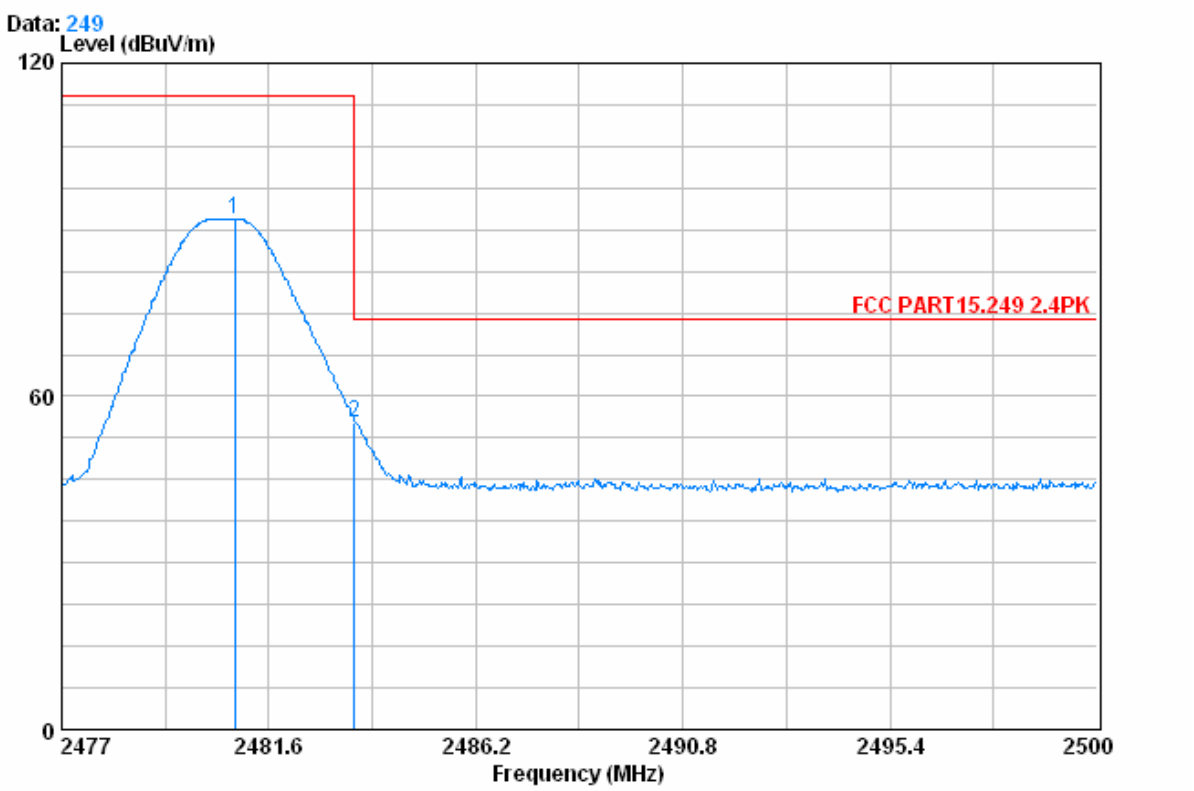
Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak

Vertical:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2480.749	6.45	30.30	39.72	95.92	92.95	114.00	-21.05	Peak
2	2483.509	6.22	30.32	39.53	59.61	56.63	74.00	-17.37	Peak

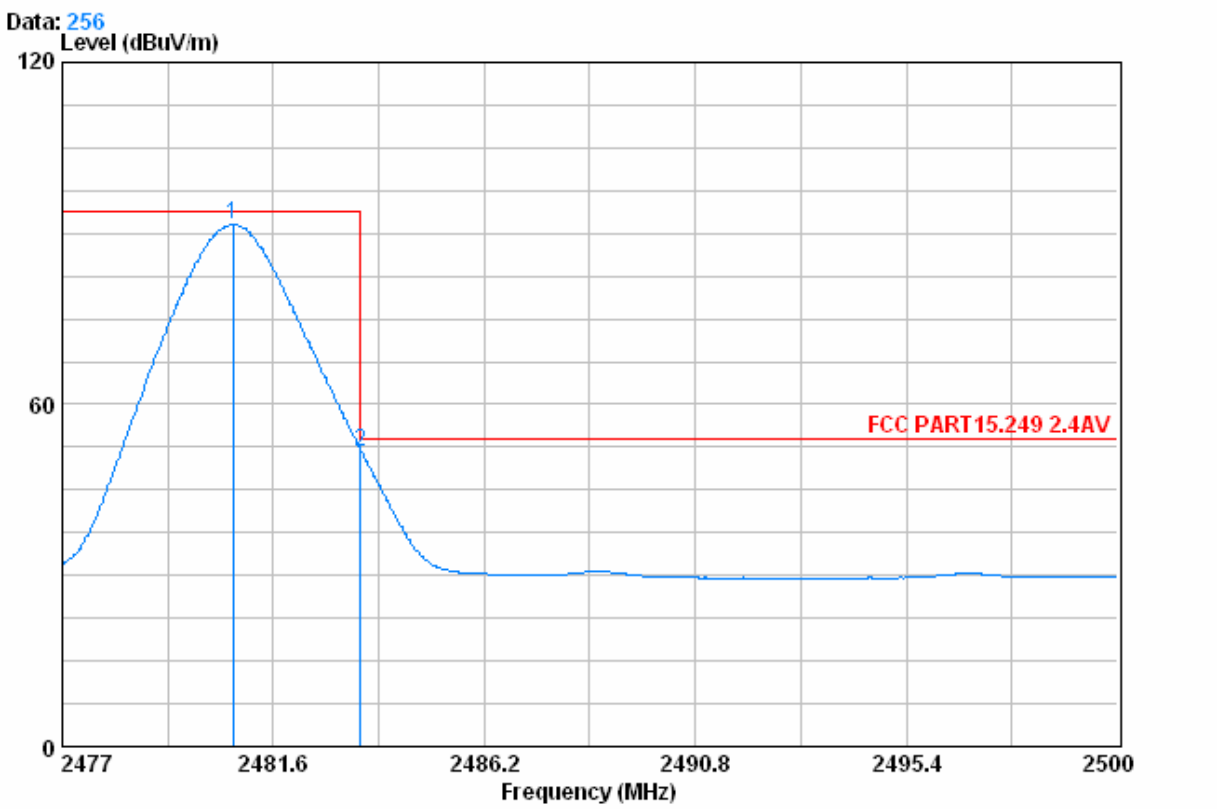
Horizontal:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2480.841	6.45	30.30	39.72	95.01	92.04	114.00	-21.96	Peak
2	2483.500	6.22	30.32	39.53	58.29	55.30	74.00	-18.70	Peak

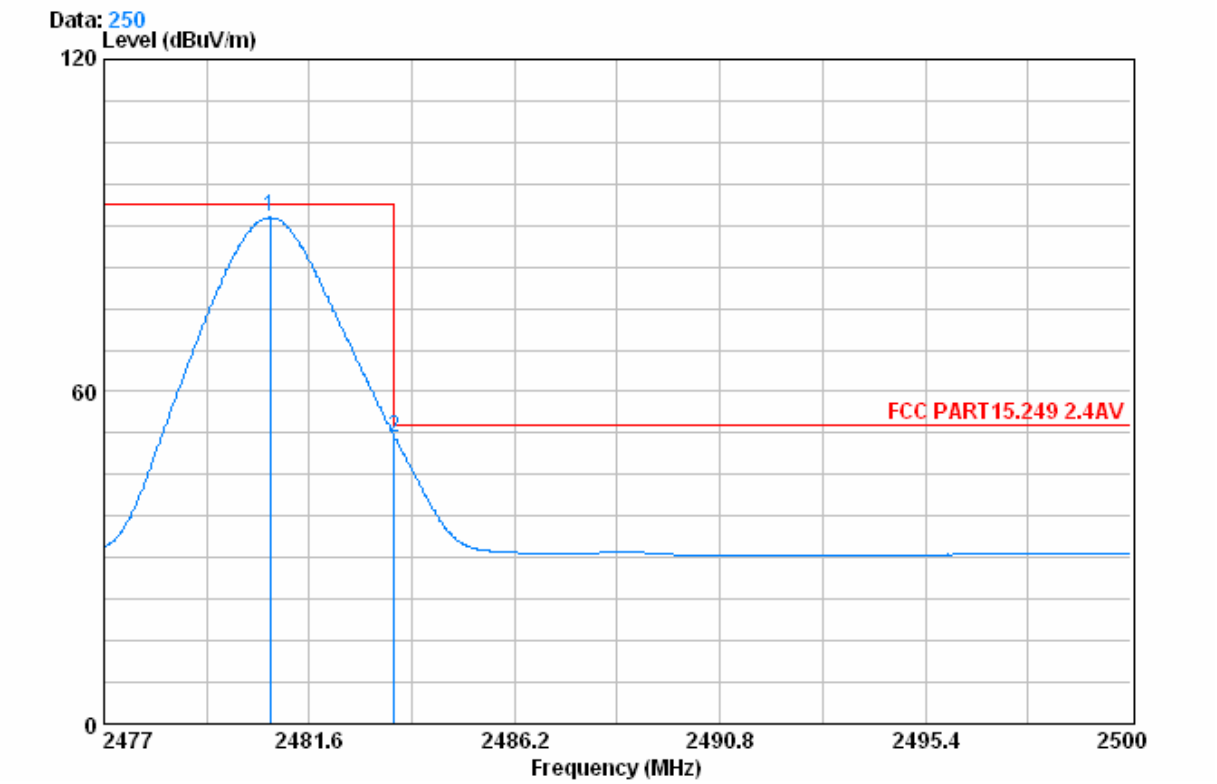
Test mode:	Transmitting	Test channel:	Highest	Remark:	Average

Vertical:



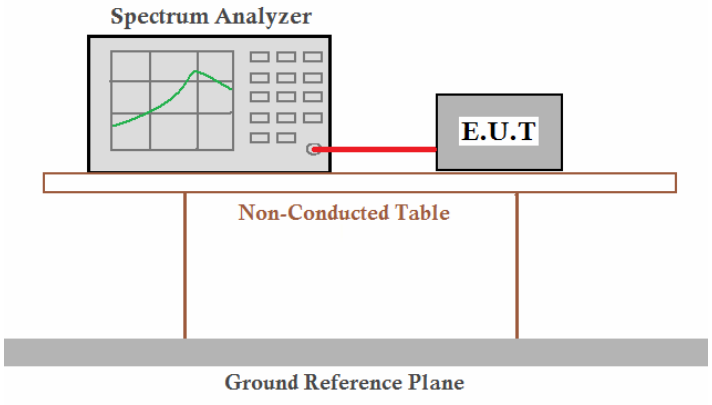
	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2480.726	6.45	30.30	39.72	94.47	91.50	94.00	-2.50	Average
2 @	2483.500	6.22	30.32	39.53	54.78	51.80	54.00	-2.20	Average

Horizontal:



	Freq	Cable Loss	Antenna Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2480.726	6.45	30.30	39.72	94.37	91.40	94.00	-2.60	Average
2	2483.500	6.22	30.32	39.53	54.71	51.72	54.00	-2.28	Average

5.3 20dB Bandwidth

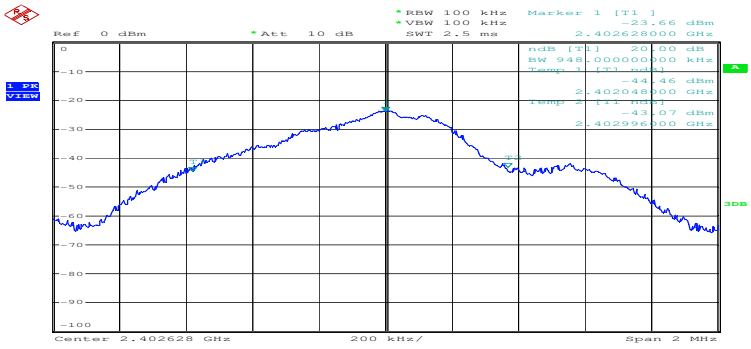
Test Requirement:	FCC Part15 C Section 15.249/15.215
Test Method:	ANSI C63.10:2009
Limit:	Operation Frequency range 2400MHz-2483.5MHz
Test Procedure:	1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set the EUT to proper test channel. 3. 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:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*
Test Instruments:	Refer to section 4.7 for details
Test mode:	Transmitting mode
Test result:	Passed

Measurement Data

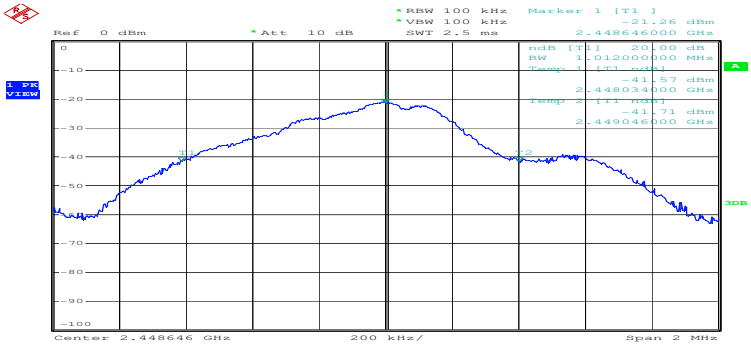
Test channel	20dB bandwidth (MHz)	Result
Lowest	0.948	Pass
Middle	1.012	Pass
Highest	0.932	Pass

Test plot as follows:

Test channel:	Lowest	



Test channel:	Middle	



Test channel:	Highest