Shenzhen EBO Technology Co., Ltd.

North 710, Yihua Building, Shennan Road, Futian District,
Shenzhen, P. R. China
Telephone：+86-755-29451282,
Fax: +86-755-22639141

FCC REPORT

Applicant:	Accesstek Electronics (Shen zhen) Corporation
Address of Applicant:	No.17,Xing Gong 2nd Rd,Hong Xing Village,Gong Ming Town, Guang-Ming New District,Shen Zhen,China.518132

Equipment Under Test (EUT)

Product Name:	Wireless Mouse
Model No.:	M1622,M1623
Trade mark:	PIQI
FCC ID:	ZLKM1622-M1623
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.249:2010
Date of sample receipt:	28 Aprl, 2011
Date of Test:	28 Aprl,-16 Mar, 2011
Date of report issued:	17 Mar, 2011
Test Result :	PASS *

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

Authorized Signature:

Kavin Yu
Laboratory Manager

2 Version

Version No.	Date	Description
00	*2011-05-17*	*Original*

Prepared By: *Collin.He* ***Date:*** *2011-05-17*

Project Engineer

Check By: *Hans.Hu* ***Date:*** *2011-05-17*

Reviewer

3 Contents

4 Test Summary

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

Remark:

- *Pass: The EUT complies with the essential requirements in the standard.*
- *Fail: The EUT does not comply with the essential requirements in the standard.*
- *Tx: In this whole report Tx (or tx) means Transmitter.*
- *Rx: In this whole report Rx (or rx) means Receiver.*

5 General Information

5.1 Client Information

Applicant:	Accesstek Electronics (Shen zhen) Corporation
Address of Applicant:	No.17,Xing Gong 2nd Rd,Hong Xing Village,Gong Ming Town, Guang-Ming New District,Shen Zhen,China.518132
Manufacturer/ Factory:	Accesstek Electronics (Shen zhen) Corporation
Address of Manufacturer/ Factory:	No.17,Xing Gong 2nd Rd,Hong Xing Village,Gong Ming Town, Guang-Ming New District,Shen Zhen,China.518132

5.2 General Description of E.U.T.

Product Name:	Wireless Mouse
Model No.:	M1622,M1623
Operation Frequency:	2403MHz~2479MHz
Channel numbers:	39
Channel separation:	1MHz
Modulation type:	GFSK
Antenna Type:	Integral
Antenna gain:	2dBi
Power supply:	DC 3V(Spec: 2X''AA''Battery:1.5V)
Remark:	Only the model No. M1622 was tested. M1623 and M1622 are identical in interior structure, electrical circuits, and components, with different color for the appearance.

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2403MHz	11	2423MHz	21	2443MHz	31	2463MHz
2	2405MHz	12	2425MHz	22	2445MHz	32	2465MHz
3	2407MHz	13	2427MHz	23	2447MHz	33	2467MHz
4	2409MHz	14	2429MHz	24	2449MHz	34	2469MHz
5	2411MHz	15	2431MHz	25	2451MHz	35	2471MHz
6	2413MHz	16	2433MHz	26	2453MHz	36	2473MHz
7	2415MHz	17	2435MHz	27	2455MHz	37	2475MHz
8	2417MHz	18	2437MHz	28	2457MHz	38	2477MHz
9	2419MHz	19	2439MHz	29	2459MHz	39	2479MHz
10	2421MHz	20	2441MHz	30	2461MHz		

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 to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2403MHz
The middle channel	2441MHz
The Highest channel	2479MHz

5.3 Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	53 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Operation mode:	Keep the EUT in normal operation mode.

GTS has verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

Operating Environment:

Pre-Test Mode: (lowest channel=2403MHz)

Axis	X	Y	Z
Field Strength(dBuV/m)	98.48	101.23	94.77

Final Test Mode:

According to ANSI C63.4 standards, the test results are both the “worst case” and “worst setup”

Y axis (see the test setup photo)

5.4 Test Facility

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

● **FCC —Registration No.: 600491**

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fuly described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, July 20, 2010.

● **Industry Canada (IC)**

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-1.

5.5 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.
Address: 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China
Tel: 0755-27798480 Fax: 0755-27798960

5.6 Other Information Requested by the Customer

None.

5.7 Test Instruments list:

Radiated Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS201	Mar. 30 2011	Mar. 30 2012
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS202	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	Sep. 10 2010	Sep. 10 2011
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS204	Feb. 26 2011	Feb. 26 2012
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS205	June 30 2010	June 30 2011
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Coaxial Cable	GTS	N/A	GTS400	Apr. 01 2011	Apr. 01 2012
8	Coaxial Cable	GTS	N/A	GTS401	Apr. 01 2011	Apr. 01 2012
9	Coaxial cable	GTS	N/A	GTS402	Apr. 01 2011	Apr. 01 2012
10	Coaxial Cable	GTS	N/A	GTS407	Apr. 01 2011	Apr. 01 2012
11	Coaxial Cable	GTS	N/A	GTS408	Apr. 01 2011	Apr. 01 2012
12	Amplifier(10KHz-5GHz)	Sonnoma Instrument	305-1052	GTS210	Aug. 03 2010	Aug. 03 2011
13	Amplifier(2GHz-20GHz)	HP	8349B	GTS231	Aug. 03 2010	Aug. 03 2011

6 Test results and Measurement Data

6.1 Antenna requirement:

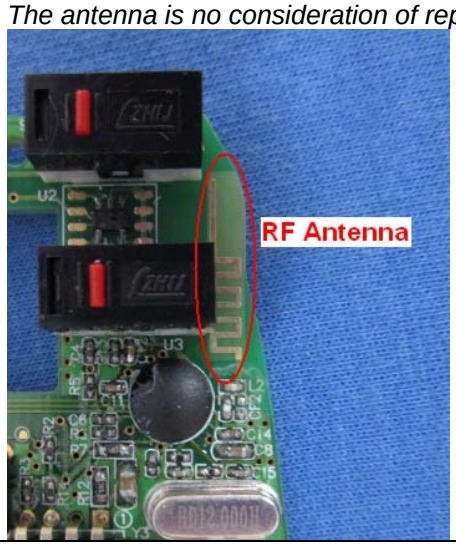
Standard requirement:	FCC Part15 C Section 15.203

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.

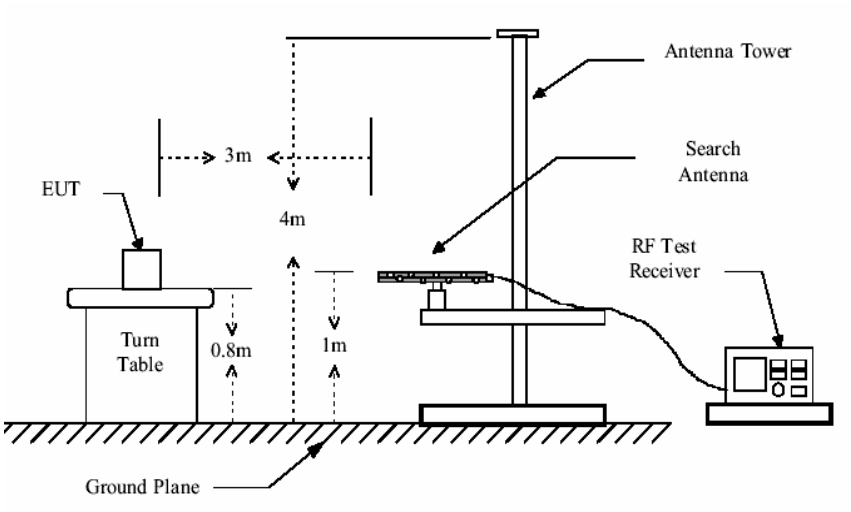
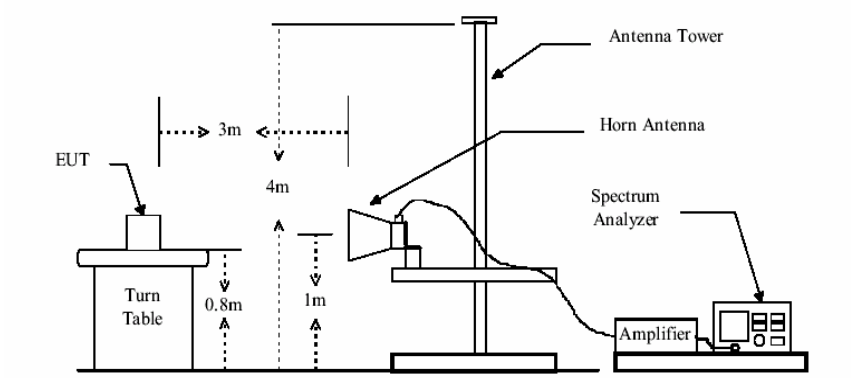
E.U.T Antenna:	

The antenna is no consideration of replacement. The best case gain of the antenna is 2dBi.



6.2 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><th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Remark</th></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><th>Frequency</th><th>Limit (dBuV/m @3m)</th><th>Remark</th></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><th>Frequency</th><th>Limit (dBuV/m @3m)</th><th>Remark</th></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.</td></tr>
</table>

	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.
Test setup:	Below 1GHz  Above 1GHz 
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section5.3 for details
Test results:	Passed

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

6.2.1 Field Strength Of The Fundamental Signal

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2403.00	100.38	27.58	3.37	30.10	101.23	114.00	-12.77	Horizontal
2403.00	96.53	27.58	3.37	30.10	97.38	114.00	-16.62	Vertical
2441.00	97.89	27.48	3.43	29.99	98.81	114.00	-15.19	Horizontal
2441.00	94.65	27.48	3.43	29.99	95.57	114.00	-18.43	Vertical
2479.00	100.64	27.52	3.49	29.93	95.18	114.00	-18.82	Horizontal
2479.00	96.73	27.52	3.49	29.93	91.27	114.00	-22.73	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2403.00	84.05	27.58	3.37	30.10	84.90	94.00	-9.10	Horizontal
2403.00	80.94	27.58	3.37	30.10	81.79	94.00	-12.21	Vertical
2441.00	81.67	27.48	3.43	29.99	82.59	94.00	-11.41	Horizontal
2441.00	76.71	27.48	3.43	29.99	77.63	94.00	-16.37	Vertical
2479.00	83.68	27.52	3.49	29.93	84.76	94.00	-9.24	Horizontal
2479.00	80.51	27.52	3.49	29.93	78.91	94.00	-15.09	Vertical

6.2.2 Spurious Emissions

30MHz~1GHz

Test mode:	Transmitting	

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
60.07	0.80	7.19	28.05	34.30	14.24	40.00	-25.76	Vertical
98.87	1.19	9.06	27.89	33.63	15.99	43.50	-27.51	Vertical
125.06	1.27	7.80	27.64	40.08	21.51	43.50	-21.99	Vertical
316.15	1.96	14.50	26.85	29.94	19.55	46.00	-26.45	Vertical
796.30	3.19	22.08	26.95	36.82	35.14	46.00	-10.86	Vertical
90.14	1.10	8.71	27.95	30.36	12.22	43.50	-31.28	Horizontal
106.63	1.22	8.77	27.81	30.93	13.11	43.50	-30.39	Horizontal
136.70	1.29	7.98	27.55	31.64	13.36	43.50	-30.14	Horizontal
295.78	1.88	13.72	26.73	29.78	18.65	46.00	-27.35	Horizontal
536.34	2.64	18.68	27.67	32.53	26.18	46.00	-19.82	Horizontal

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

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4806	36.02	31.78	5.32	24.09	49.03	74.00	-24.97	Vertical
7209	32.78	36.15	6.87	26.38	49.42	74.00	-24.58	Vertical
9612	31.00	37.95	8.94	25.40	52.49	74.00	-21.51	Vertical
12015	28.31	39.08	10.34	25.19	52.54	74.00	-21.46	Vertical
14418	25.13	42.41	11.64	24.28	54.90	74.00	-19.10	Vertical
4806	36.31	31.78	5.32	24.09	49.32	74.00	-24.68	Horizontal
7209	33.14	36.15	6.87	26.38	49.78	74.00	-24.22	Horizontal
9612	31.43	37.95	8.94	25.40	52.92	74.00	-21.08	Horizontal
12015	28.81	39.08	10.34	25.19	53.04	74.00	-20.96	Horizontal
14418	25.70	42.41	11.64	24.28	55.47	74.00	-18.53	Horizontal

Test mode:	Transmitting	Test channel:	Lowest	Remark:	average

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4806	23.17	31.78	5.32	24.09	36.18	54.00	-17.82	Vertical
7209	19.46	36.15	6.87	26.38	36.10	54.00	-17.90	Vertical
9612	15.20	37.95	8.94	25.40	36.69	54.00	-17.31	Vertical
12015	14.64	39.08	10.34	25.19	38.87	54.00	-15.13	Vertical
14418	9.99	42.41	11.64	24.28	39.76	54.00	-14.24	Vertical
4806	23.46	31.78	5.32	24.09	36.47	54.00	-17.53	Horizontal
7209	19.82	36.15	6.87	26.38	36.46	54.00	-17.54	Horizontal
9612	15.63	37.95	8.94	25.40	37.12	54.00	-16.88	Horizontal
12015	15.14	39.08	10.34	25.19	39.37	54.00	-14.63	Horizontal
14418	10.56	42.41	11.64	24.28	40.33	54.00	-13.67	Horizontal

Remark: Above 6th harmonic for radiated emissions is unavailable, because in the case the disturbance is very low. So the test result only displays that below 7th harmonic frequency.

Test mode:	Transmitting	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882	37.37	31.85	5.40	24.01	50.61	74.00	-23.39	Vertical
7323	32.21	36.37	6.91	26.62	48.87	74.00	-25.13	Vertical
9764	30.09	38.35	9.01	25.29	52.16	74.00	-21.84	Vertical
12205	28.00	38.92	10.39	25.02	52.29	74.00	-21.71	Vertical
14646	25.96	42.51	11.71	24.33	55.85	74.00	-18.15	Vertical
4882	37.13	31.85	5.40	24.01	50.37	74.00	-23.63	Horizontal
7323	32.01	36.37	6.91	26.62	48.67	74.00	-25.33	Horizontal
9764	29.93	38.35	9.01	25.29	52.00	74.00	-22.00	Horizontal
12205	27.88	38.92	10.39	25.02	52.17	74.00	-21.83	Horizontal
14646	25.88	42.51	11.71	24.33	55.77	74.00	-18.23	Horizontal

Test mode:	Transmitting	Test channel:	Middle	Remark:	average

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882	22.41	31.85	5.40	24.01	35.65	54.00	-18.35	Vertical
7323	19.37	36.37	6.91	26.62	36.03	54.00	-17.97	Vertical
9764	15.77	38.35	9.01	25.29	37.84	54.00	-16.16	Vertical
12205	13.84	38.92	10.39	25.02	38.13	54.00	-15.87	Vertical
14646	11.67	42.51	11.71	24.33	41.56	54.00	-12.44	Vertical
4882	22.17	31.85	5.40	24.01	35.41	54.00	-18.59	Horizontal
7323	19.17	36.37	6.91	26.62	35.83	54.00	-18.17	Horizontal
9764	15.61	38.35	9.01	25.29	37.68	54.00	-16.32	Horizontal
12205	13.72	38.92	10.39	25.02	38.01	54.00	-15.99	Horizontal
14646	11.59	42.51	11.71	24.33	41.48	54.00	-12.52	Horizontal

Remark: Above 6th harmonic for radiated emissions is unavailable, because in the case the disturbance is very low. So the test result only displays that below 7th harmonic frequency.

Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4958	36.98	31.93	5.47	23.93	50.45	74.00	-23.55	Vertical
7437	32.80	36.59	6.95	26.95	49.39	74.00	-24.61	Vertical
9916	28.95	38.81	9.07	25.22	51.61	74.00	-22.39	Vertical
12395	28.73	38.76	10.44	24.74	53.19	74.00	-20.81	Vertical
14874	24.69	42.21	11.94	24.47	54.37	74.00	-19.63	Vertical
4958	37.00	31.93	5.47	23.93	50.47	74.00	-23.53	Horizontal
7437	32.83	36.59	6.95	26.95	49.42	74.00	-24.58	Horizontal
9916	28.99	38.81	9.07	25.22	51.65	74.00	-22.35	Horizontal
12395	28.78	38.76	10.44	24.74	53.24	74.00	-20.76	Horizontal
14874	24.75	42.21	11.94	24.47	54.43	74.00	-19.57	Horizontal

Test mode:	Transmitting	Test channel:	Highest	Remark:	average

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4958	21.63	31.93	5.47	23.93	35.10	54.00	-18.90	Vertical
7437	18.15	36.59	6.95	26.95	34.74	54.00	-19.26	Vertical
9916	14.42	38.81	9.07	25.22	37.08	54.00	-16.92	Vertical
12395	12.47	38.76	10.44	24.74	36.93	54.00	-17.07	Vertical
14874	10.38	42.21	11.94	24.47	40.06	54.00	-13.94	Vertical
4958	21.65	31.93	5.47	23.93	35.12	54.00	-18.88	Horizontal
7437	18.18	36.59	6.95	26.95	34.77	54.00	-19.23	Horizontal
9916	14.46	38.81	9.07	25.22	37.12	54.00	-16.88	Horizontal
12395	12.52	38.76	10.44	24.74	36.98	54.00	-17.02	Horizontal
14874	10.44	42.21	11.94	24.47	40.12	54.00	-13.88	Horizontal

Remark: Above 6th harmonic for radiated emissions is unavailable, because in the case the disturbance is very low. So the test result only displays that below 7th harmonic frequency.

6.2.3 Band edge (Radiated Emission)

Test mode:	Transmitting	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	47.57	27.22	3.14	30.76	48.02	74.00	-25.98	Horizontal
2400.00	52.99	27.58	3.37	30.10	54.69	74.00	-19.31	Horizontal
2390.00	46.07	27.22	3.14	30.76	46.52	74.00	-27.48	Vertical
2400.00	49.43	27.58	3.37	30.10	51.13	74.00	-22.87	Vertical

Test mode:	Transmitting	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	32.59	27.22	3.14	30.76	32.19	54.00	-21.81	Horizontal
2400.00	37.84	27.58	3.37	30.10	38.69	54.00	-15.31	Horizontal
2390.00	30.42	27.22	3.14	30.76	30.02	54.00	-23.98	Vertical
2400.00	34.96	27.58	3.37	30.10	35.81	54.00	-18.19	Vertical

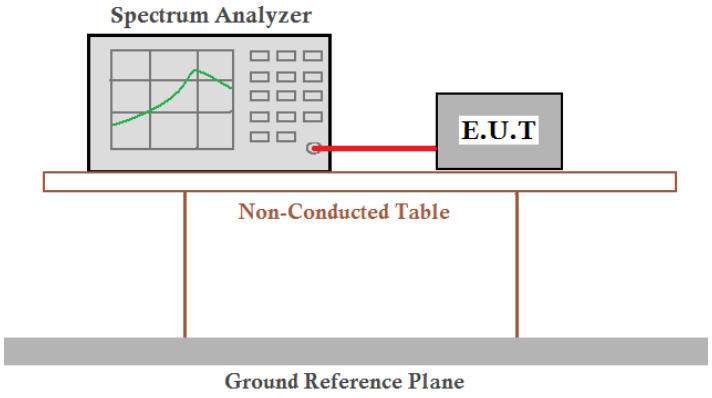
Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	48.98	27.53	3.49	29.93	50.07	74.00	-23.93	Horizontal
2500.00	48.59	27.58	3.52	29.98	49.71	74.00	-24.29	Horizontal
2483.50	46.48	27.53	3.49	29.93	47.57	74.00	-26.43	Vertical
2500.00	46.24	27.58	3.52	29.98	47.36	74.00	-26.64	Vertical

Test mode:	Transmitting	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	35.26	27.53	3.49	29.93	36.35	54.00	-17.65	Horizontal
2500.00	30.42	27.58	3.52	29.98	31.54	54.00	-22.46	Horizontal
2483.50	32.15	27.53	3.49	29.93	33.24	54.00	-20.76	Vertical
2500.00	28.96	27.58	3.52	29.98	30.08	54.00	-23.92	Vertical

6.3 20dB Bandwidth

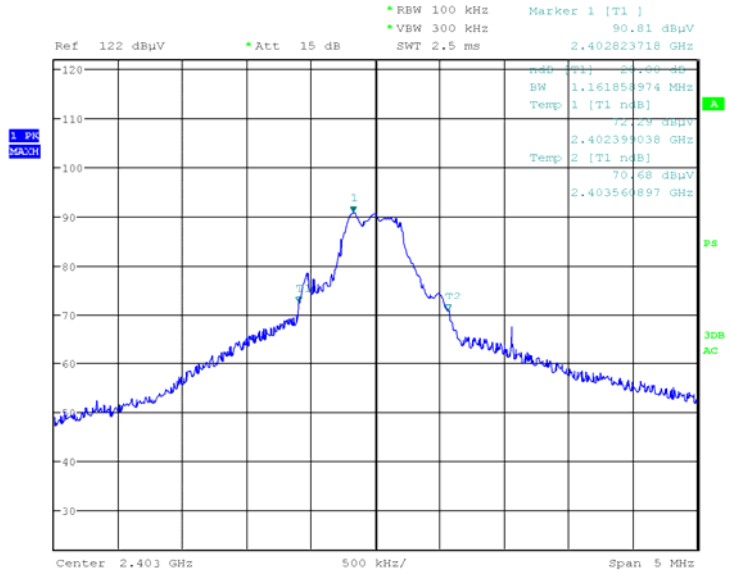
Test Requirement:	FCC Part15 C Section 15.249/15.215
Test Method:	ANSI C63.4:2003
Receiver setup:	RBW=10KHz, VBW=30KHz, detector: Peak
Limit:	Operation Frequency range 2400MHz-2483.5MHz
Test Procedure:	1. According to the follow Test-setup, keep the relative position between the artificial antenna and 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 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data

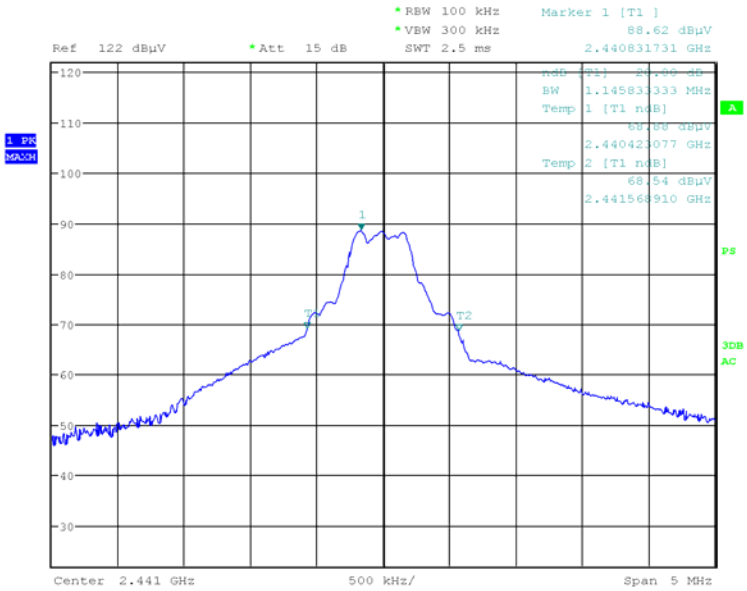
Test channel	20dB bandwidth (MHz)	Results
Lowest	1.162	Pass
Middle	1.146	Pass
Highest	1.146	Pass

Test plot as follows:

Test channel:	Lowest	



Test channel:	Middle	



Test channel:	Highest