



# FCC REPORT

**Applicant:** FORTAT SKYMARK ELECTRONICS FACTORY

**Address of Applicant:** Dunbei Industrial Area, Sanlian Village, Longhua town, Baoan District, Shenzhen, P.R, China

**Equipment Under Test (EUT)**

Product Name: wireless mouse

Model No.: CK-M016, 021, 022, 063, 064, 066, 067, 068, 071, 074, 076, 077, 081, 112, 143, 145, 146, 151, 154, 156, 158, 160, 201, 203, 506, 507, 509, 600, 605, 607, 609

**FCC ID:** Y4CCK-M016

**Standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.249:2009

**Date of Receipt:** 09 Dec., 2010

**Date of Test:** 09-10 Dec., 2010

**Date of Issue:** 11 Dec., 2010

**Test Result :** PASS \*

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

Authorized Signature:

Robinson Lo  
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the GTS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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### 3 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:*

- *Passed: The EUT complies with the essential requirements in the standard.*
- *Failed: 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.*

## 4 General Information

### 4.1 Client Information

Applicant:	FORTAT SKYMARK ELECTRONICS FACTORY
Address of Applicant:	Dunbei Industrial Area, Sanlian Village, Longhua town. Baoan District, Shenzhen. P, R, China
Manufacturer:	FORTAT SKYMARK ELECTRONICS FACTORY
Address of Manufacturer:	Dunbei Industrial Area, Sanlian Village, Longhua town. Baoan District, Shenzhen. P, R, China

### 4.2 General Description of E.U.T.

Product Name:	wireless mouse
Model No.:	CK-M016, 021, 022, 063, 064, 066, 067, 068, 071, 074, 076, 077, 081, 112, 143, 145, 146, 151, 154, 156, 158, 160, 201, 203, 506, 507, 509, 600, 605, 607, 609
Operation Frequency:	2403MHz to 2477MHz
Channel numbers:	16
Modulation type:	GFSK
Antenna Type:	Integral
Antenna gain:	2dBi
Power supply:	2*1.5V("AA" size)=3.0V

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2403MHz	5	2422MHz	9	2442MHz	13	2462MHz
2	2407MHz	6	2427MHz	10	2447MHz	14	2467MHz
3	2412MHz	7	2432MHz	11	2452MHz	15	2472MHz
4	2417MHz	8	2437MHz	12	2457MHz	16	2477MHz

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	2442MHz
The Highest channel	2477MHz

### 4.3 Test environment and mode

<b>Operating Environment:</b>	
Temperature:	25.0 °C
Humidity:	53 % RH
Atmospheric Pressure:	1010 mbar
<b>Test mode:</b>	
Transmitting mode:	Keep the EUT in transmitting mode with modulation.

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:

<b>Pre-Test Mode:</b> (lowest channel=2403MHz)			
Axis	X	Y	Z
Field Strength(dBuV/m)	83.36	87.47	82.68
<b>Final Test Mode:</b>			
According to ANSI C63.4 standards, the test results are both the “worst case” and “worst setup”			
Y axis (see the test setup photo)			

### 4.4 Test Facility

<p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> <li>● <b>FCC —Registration No.: 600491</b> Global United Technology Service 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 600491, July 20, 2010.</li> <li>● <b>Industry Canada (IC)</b> The 3m Semi-anechoic chamber of Global United Technology Service Co., Ltd. Has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-1.</li> </ul>
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### 4.5 Test Location

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

### 4.6 Other Information Requested by the Customer

None.
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## 4.7 Test Instruments list:

<b>Radiated Emission:</b>						
<b>Item</b>	<b>Test Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Inventory No.</b>	<b>Cal.Date (dd-mm-yy)</b>	<b>Cal.Due date (dd-mm-yy)</b>
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS201	Mar. 30 2010	Mar. 30 2011
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	Sep. 10 2010	Sep. 10 2011
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 2010	Apr. 01 2011
8	Coaxial Cable	GTS	N/A	GTS401	Apr. 01 2010	Apr. 01 2011
9	Coaxial cable	GTS	N/A	GTS402	Apr. 01 2010	Apr. 01 2011
10	Coaxial Cable	GTS	N/A	GTS407	Apr. 01 2010	Apr. 01 2011
11	Coaxial Cable	GTS	N/A	GTS408	Apr. 01 2010	Apr. 01 2011
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
14	Spectrum analyzer	Adavantest	U3741	GTS238	Aug. 03 2010	Aug. 03 2011

<b>Conducted Emission:</b>						
<b>Item</b>	<b>Test Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Inventory No.</b>	<b>Cal.Date (dd-mm-yy)</b>	<b>Cal.Due date (dd-mm-yy)</b>
1	Shielding Room	ZhongYu Electron	7.0(L)x3.0(W)x3.0(H)	GTS206	Apr. 10 2010	Apr. 10 2011
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	GTS208	Sep. 14 2010	Sep. 14 2011
3	10dB Pulse Limita	Rohde & Schwarz	N/A	GTS209	Sep. 14 2010	Sep. 14 2011
4	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS207	Apr. 14 2010	Apr. 14 2011
5	Coaxial Cable	GTS	N/A	GTS406	Apr. 01 2010	Apr. 01 2011
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

## 5 Test results and Measurement Data

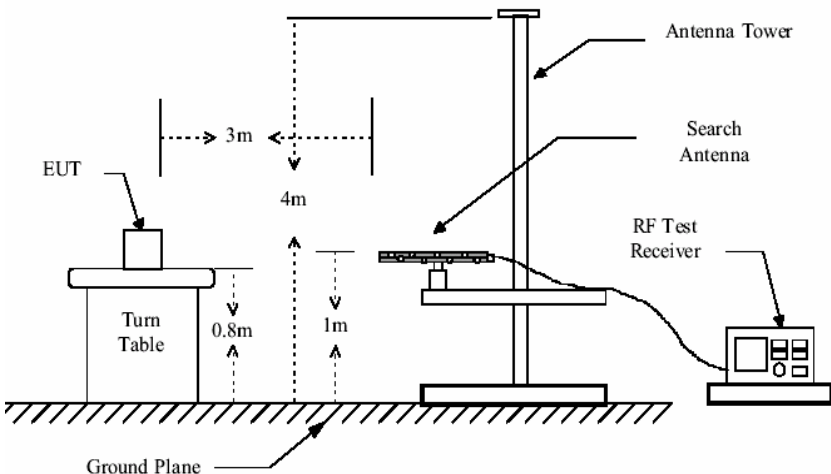
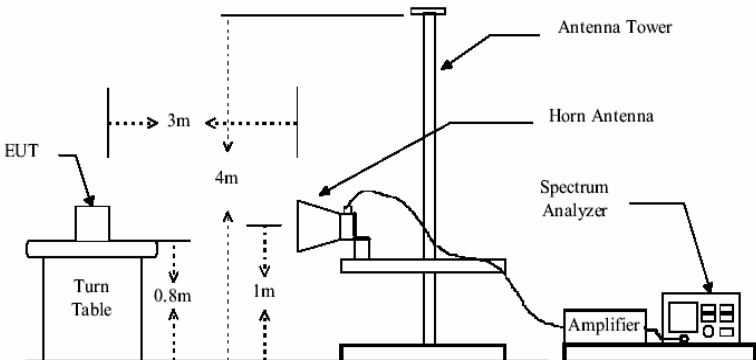
### 5.1 Antenna requirement:

<b>Standard requirement:</b>	FCC Part15 C Section 15.203
15.203 requirement: <i>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.</i>	
<b>E.U.T Antenna:</b>	
The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2dBi. <div>  </div>	

## 5.2 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.249 and 15.209				
Test Method:	ANSI C63.4: 2003				
Test Frequency Range:	30MHz to 25000MHz				
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
Limit: (band edge)	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.				
Test Procedure:	<div>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.</div> <div>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.</div> <div>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.</div> <div>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.</div> <div>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</div> <div>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</div>				



	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:	<p>Below 1GHz</p>  <p>Above 1GHz</p> 
Test Instruments:	Refer to section 4.7 for details
Test mode:	Refer to section 4.3 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:

$$\text{Final Test Level} = \text{Receiver Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Preamplifier Factor}$$

**Measurement Data**
**5.2.1 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	86.59	27.57	3.37	30.06	87.47	114.00	-26.53	Horizontal
2403.00	82.15	27.57	3.37	30.06	83.03	114.00	-30.97	Vertical
2442.00	85.41	27.48	3.43	29.99	86.33	114.00	-27.67	Horizontal
2442.00	79.67	27.48	3.43	29.99	80.59	114.00	-33.41	Vertical
2477.00	85.95	27.52	3.49	29.93	87.03	114.00	-26.97	Horizontal
2477.00	80.19	27.52	3.49	29.93	81.27	114.00	-32.73	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	73.67	27.57	3.37	30.06	74.55	94.00	-19.45	Horizontal
2403.00	69.58	27.57	3.37	30.06	70.46	94.00	-23.54	Vertical
2442.00	72.13	27.48	3.43	29.99	73.05	94.00	-20.95	Horizontal
2442.00	68.51	27.48	3.43	29.99	69.43	94.00	-24.57	Vertical
2477.00	73.43	27.52	3.49	29.93	74.51	94.00	-19.49	Horizontal
2477.00	69.85	27.52	3.49	29.93	70.93	94.00	-23.07	Vertical

## 5.2.2 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
51.12	30.31	10.42	0.68	25.72	15.69	40.00	-24.31	Vertical
98.83	31.27	13.30	1.14	25.67	20.04	43.50	-23.46	Vertical
181.92	32.23	11.64	1.69	25.62	19.94	46.00	-26.06	Vertical
468.88	33.17	16.57	2.36	25.55	26.55	46.00	-19.45	Vertical
851.04	31.14	24.09	3.24	25.51	32.96	46.00	-13.04	Vertical
54.64	30.30	9.98	0.69	25.71	15.26	40.00	-24.74	Horizontal
104.54	31.26	12.68	1.19	25.66	19.47	43.50	-24.03	Horizontal
222.17	32.22	14.51	1.87	25.61	22.99	46.00	-23.01	Horizontal
510.04	33.17	21.72	2.44	25.55	31.78	46.00	-14.22	Horizontal
922.52	30.14	28.42	3.36	25.51	36.41	46.00	-9.59	Horizontal

<b>Above 1GHz</b>					
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
4806.00	51.69	34.25	9.36	41.53	53.77	74.00	-20.23	Vertical
7209.00	45.05	37.24	13.30	40.88	54.71	74.00	-19.29	Vertical
9612.00	40.93	37.99	13.39	37.56	54.75	74.00	-19.25	Vertical
12015.00	38.51	39.10	16.45	39.09	54.97	74.00	-19.03	Vertical
4806.00	53.05	34.25	9.36	41.53	55.13	74.00	-18.87	Horizontal
7209.00	46.62	37.24	13.30	40.88	56.28	74.00	-17.72	Horizontal
9612.00	44.71	37.99	13.39	37.56	58.53	74.00	-15.47	Horizontal
12015.00	40.50	39.10	16.45	39.09	56.96	74.00	-17.04	Horizontal

Test mode:	Transmitting	Test channel:	Lowest	Remark:	average
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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
4806.00	30.81	34.25	9.36	41.53	32.89	54.00	-21.11	Vertical
7209.00	26.99	37.24	13.30	40.88	36.65	54.00	-17.35	Vertical
9612.00	25.05	37.99	13.39	37.56	38.87	54.00	-15.13	Vertical
12015.00	24.04	39.10	16.45	39.09	40.50	54.00	-13.50	Vertical
4806.00	32.33	34.25	9.36	41.53	34.41	54.00	-19.59	Horizontal
7209.00	28.60	37.24	13.30	40.88	38.26	54.00	-15.74	Horizontal
9612.00	26.75	37.99	13.39	37.56	40.57	54.00	-13.43	Horizontal
12015.00	25.83	39.10	16.45	39.09	42.29	54.00	-11.71	Horizontal

Test mode:	Transmitting	Test channel:	Middle	Remark:	Peak
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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
4884.00	48.42	34.34	10.36	39.89	53.23	74.00	-20.77	Vertical
7326.00	45.04	37.31	12.91	40.40	54.86	74.00	-19.14	Vertical
9768.00	42.51	38.03	13.89	37.94	56.49	74.00	-17.51	Vertical
12210.00	38.90	39.21	18.03	39.27	56.87	74.00	-17.13	Vertical
4884.00	49.26	34.34	10.36	39.89	54.07	74.00	-19.93	Horizontal
7326.00	46.01	37.31	12.91	40.40	55.83	74.00	-18.17	Horizontal
9768.00	43.61	38.03	13.89	37.94	57.59	74.00	-16.41	Horizontal
12210.00	40.13	39.21	18.03	39.27	58.10	74.00	-15.90	Horizontal

Test mode:	Transmitting	Test channel:	Middle	Remark:	average
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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
4884.00	27.61	34.34	10.36	39.89	32.42	54.00	-21.58	Vertical
7326.00	25.08	37.31	12.91	40.40	34.90	54.00	-19.10	Vertical
9768.00	24.58	38.03	13.89	37.94	38.56	54.00	-15.44	Vertical
12210.00	23.30	39.21	18.03	39.27	41.27	54.00	-12.73	Vertical
4884.00	28.45	34.34	10.36	39.89	33.26	54.00	-20.74	Horizontal
7326.00	26.05	37.31	12.91	40.40	35.87	54.00	-18.13	Horizontal
9768.00	25.68	38.03	13.89	37.94	39.66	54.00	-14.34	Horizontal
12210.00	24.53	39.21	18.03	39.27	42.50	54.00	-11.50	Horizontal

Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak
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Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4954.00	47.22	34.45	10.43	41.03	51.07	74.00	-22.93	Vertical
7431.00	44.76	37.37	12.72	40.01	54.84	74.00	-19.16	Vertical
9908.00	41.44	38.07	14.21	37.85	55.87	74.00	-18.13	Vertical
12385.00	40.88	39.34	17.55	39.48	58.29	74.00	-15.71	Vertical
4954.00	48.82	34.45	10.43	41.03	52.67	74.00	-21.33	Horizontal
7431.00	46.49	37.37	12.72	40.01	56.57	74.00	-17.43	Horizontal
9908.00	43.30	38.07	14.21	37.85	57.73	74.00	-16.27	Horizontal
12385.00	42.87	39.34	17.55	39.48	60.28	74.00	-13.72	Horizontal

Test mode:	Transmitting	Test channel:	Highest	Remark:	average
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Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4954.00	32.72	34.45	10.43	41.03	36.57	54.00	-17.43	Vertical
7431.00	28.37	37.37	12.72	40.01	38.45	54.00	-15.55	Vertical
9908.00	25.70	38.07	14.21	37.85	40.13	54.00	-13.87	Vertical
12385.00	39.46	39.34	17.55	39.48	43.27	54.00	-10.73	Vertical
4954.00	30.10	34.45	10.43	41.03	38.17	54.00	-15.83	Horizontal
7431.00	27.56	37.37	12.72	40.01	40.18	54.00	-13.82	Horizontal
9908.00	27.85	38.07	14.21	37.85	41.99	54.00	-12.01	Horizontal
12385.00	39.46	39.34	17.55	39.48	45.26	54.00	-8.74	Horizontal

**5.2.3 Band edge (Radiated Emission)**

Test mode:	Transmitting	Test channel:	Lowest	Remark:	Peak
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Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	52.01	29.98	6.28	39.03	49.24	74.00	-24.76	Horizontal
2400.00	55.19	30.03	6.34	38.87	52.69	74.00	-21.31	Horizontal
2390.00	51.07	29.98	6.28	39.03	48.30	74.00	-25.70	Vertical
2400.00	54.04	30.03	6.34	38.87	51.54	74.00	-22.46	Vertical

Test mode:	Transmitting	Test channel:	Lowest	Remark:	Average
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Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2390.00	37.56	29.98	6.28	39.03	34.79	54.00	-19.21	Horizontal
2400.00	38.43	30.03	6.34	38.87	35.93	54.00	-18.07	Horizontal
2390.00	36.22	29.98	6.28	39.03	33.45	54.00	-20.55	Vertical
2400.00	37.00	30.03	6.34	38.87	34.50	54.00	-19.50	Vertical

Test mode:	Transmitting	Test channel:	Highest	Remark:	Peak
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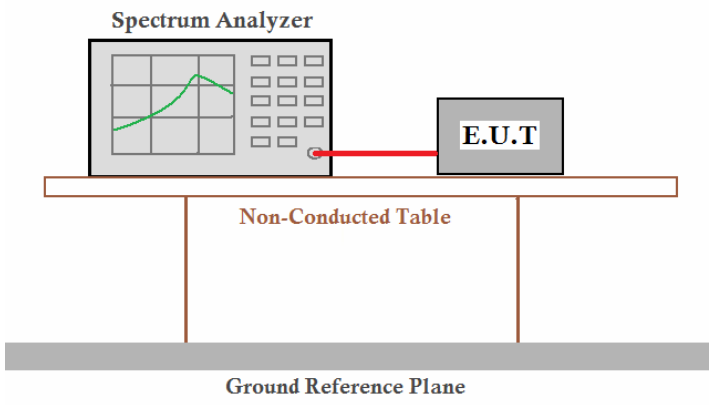
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	54.80	30.32	6.22	39.53	51.81	74.00	-22.19	Horizontal
2500.00	50.19	30.37	5.76	39.15	47.17	74.00	-26.83	Horizontal
2483.50	53.46	30.32	6.22	39.53	50.47	74.00	-23.53	Vertical
2500.00	48.72	30.37	5.76	39.15	45.70	74.00	-28.30	Vertical

Test mode:	Transmitting	Test channel:	Highest	Remark:	Average
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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	38.27	30.32	6.22	39.53	36.47	54.00	-17.53	Horizontal
2500.00	34.32	30.37	5.76	39.15	35.25	54.00	-18.75	Horizontal
2483.50	38.12	30.32	6.22	39.53	35.13	54.00	-18.87	Vertical
2500.00	36.80	30.37	5.76	39.15	33.78	54.00	-20.22	Vertical



### 5.3 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:	<ol style="list-style-type: none"> <li>1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT.</li> <li>2. Set the EUT to proper test channel.</li> <li>3. Max hold the radiated emissions, mark the peak power frequency point and the -20dB upper and lower frequency points.</li> <li>4. Read 20dB bandwidth.</li> </ol>
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p>
Test Instruments:	Refer to section 4.7 for details
Test mode:	Refer to section 4.3 for details
Test results:	Passed

#### Measurement Data

Test channel	20dB bandwidth (MHz)	Results
Lowest	1.728	Pass
Middle	4.236	Pass
Highest	4.008	Pass

**Test plot as follows:**

Test channel:	Lowest	
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Test channel:	Middle	
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Test channel:	Highest	
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