

FCC TEST REPORT

for

Dongguan Lingjie Electronics & Techonlogy Co., Ltd

Wireless Mouse

Model Number: V8

FCC ID: 2ANBUV8

Prepared for : Dongguan Lingjie Electronics & Techonlogy Co., Ltd
Address : Building A(Floor 1-4) and B(Floor 1-5), No. 16 Zhenxing North
Road, Taiyuan Community, Xiegang Town, Dongguan City,
Guangdong Province, 523590, P.R.C

Prepared by : Guangdong Keyway Testing Technology Co., Ltd.
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Report No. : TR17080075-E-001

Date of Test : Jul. 1 - 6, 2017

Date of Report : Jul. 8, 2017

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Guangdong Keyway Testing Technology Co., Ltd.

Applicant:	Dongguan Lingjie Electronics & Techonlogy Co., Ltd		
Address:	Building A(Floor 1-4) and B(Floor 1-5), No. 16 Zhenxing North Road, Taiyuan Community, Xiegang Town, Dongguan City, Guangdong Province, 523590, P.R.C		
Manufacturer:	Dongguan Lingjie Electronics & Techonlogy Co., Ltd		
Address:	Building A(Floor 1-4) and B(Floor 1-5), No. 16 Zhenxing North Road, Taiyuan Community, Xiegang Town, Dongguan City, Guangdong Province, 523590, P.R.C		
E.U.T:	Wireless Mouse		
Model Number:	V8		
Trade Name:	-----	Serial No.:	-----
Date of Receipt:	Jun. 30, 2017	Date of Test:	Jul. 1 - 6, 2017
Test Specification:	FCC Part15.249 01, Oct. 2015 ANSI C63.10-2013		
Test Result:	The equipment under test was found to be compliance with the requirements of the standards applied.		
Issue Date: Jul. 08, 2017			
Tested by:	Reviewed by:	Approved by:	
 	 	 	
Jo Shi / Engineer	Mark Li / Supervisor	Andy Gao / Supervisor	
Other Aspects:	None.		
<i>Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested</i>			
<i>This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Guangdong Keyway Testing Technology Co., Ltd.</i>			

1. TEST SUMMARY

Test Items	Test Requirement	Result
Conducted Emissions	15.207	N/A
Radiated Emissions	15.205(a)/15.209/15.249(d)	PASS
Bandwidth	15.249	PASS
Emissions from out of band	15.249	PASS
Antenna Requirement	15.203	PASS

2. GENERAL PRODUCT INFORMATION

2.1. Product Function

Refer to Technical Construction Form and User Manual.

2.2. Description of Device (EUT)

Product Name:	Wireless Mouse
Model No.:	V8
Operation Frequency:	2402MHz-2480MHz
Channel numbers:	16
Modulation technology:	GFSK
Data speed (IEEE 802.11b):	1Mbps
Antenna Type:	PCB
Antenna gain:	1dBi
Power supply:	DC 1.5V (1.5V AA battery*1)

2.3. Independent Operation Modes

The basic operation modes are:

Test mode	Frequency
Mode 1	2402MHz
Mode 2	2441MHz
Mode 3	2480MHz

2.4. Channel List

Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402MHz	10	2445MHz		
2	2407MHz	11	2453MHz		
3	2414MHz	12	2459MHz		
4	2419MHz	13	2463MHz		
5	2422MHz	14	2466MHz		
6	2426MHz	15	2473MHz		
7	2436MHz	16	2480MHz		
8	2439MHz				
9	2441MHz				

2.5. TEST SITES

Lab Qualifications : 944 Shielded Room built by ETS-Lindgren, USA
Date of completion: March 28, 2011

966 Chamber built by ETS-Lindgren, USA
Date of completion: March 28, 2011

Certificated by TUV Rheinland, Germany.
Registration No.: UA 50207153
Date of registration: July 13, 2011

Certificated by UL, USA
Registration No.: 100567-237
Date of registration: December 1, 2011

Certificated by Intertek
Registration No.: 2011-RTL-L1-31
Date of registration: October 11, 2011

Certificated by Industry Canada
Registration No.: 9868A
Date of registration: December 8, 2011

Certificated by FCC, USA
Registration No.: 370994
Date of registration: February 21, 2012

Certificated by CNAS China
Registration No.: CNAS L5783
Date of registration: August 8, 2012

Name of Firm : Guangdong Keyway Testing Technology Co., Ltd.

Site Location : Baishun Industrial Zone, Zhangmutou Town,
Dongguan, Guangdong, China

2.6. List of Test and Measurement Instruments

2.6.1. For conducted emission at the mains terminals test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESCI	101156	Apr. 09,17	Apr. 09,18
Artificial Mains Network	Rohde&Schwarz	ENV216	101315	Apr. 09,17	Apr. 09,18
Artificial Mains Network (AUX)	Rohde&Schwarz	ENV216	101314	Apr. 09,17	Apr. 09,18
RF Cable	FUJIKURA	3D-2W	944 Cable	Apr. 09,17	Apr. 09,18

2.6.2. For radiated emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESCI	101156	Apr. 09,17	Apr. 09,18
System Simulator	Agilent	E5515C	GB43130245	Apr. 09,17	Apr. 09,18
Power Splitter	Weinschel	1506A	NW425	Apr. 09,17	Apr. 09,18
Bilog Antenna	ETS-LINDGREEN	3142D	135452	Apr. 09,17	Apr. 09,18
Spectrum Analyzer	Agilent	E4411B	MY4511304	Apr. 09,17	Apr. 09,18
Spectrum Analyzer	R&S	FSV40	132.1.3008K39-100967	Apr. 09,17	Apr. 09,18
3m Semi-anechoic Chamber	ETS-LINDGREEN	966	KW01	Apr. 09,17	Apr. 09,18
Signal Amplifier	SONOMA	310	187016	Apr. 09,17	Apr. 09,18
Signal Amplifier	Agilent	8449B	3008A00251	Apr. 09,17	Apr. 09,18
RF Cable	IMRO	IMRO-400	966 Cable 1#	N/A	N/A
MULTI-DEVICE Controller	ETS-LINDGREEN	2090	126913	N/A	N/A
Horn Antenna	DAZE	ZN30701	11003	Apr. 09,17	Apr. 09,18
Horn Antenna	SCHWARZBECK	BBHA9170	9170-068	Apr. 09,17	Apr. 09,18
Spectrum Analyzer	Agilent	8593E	3911A04271	Apr. 09,17	Apr. 09,18
Spectrum Analyzer	Agilent	E4408B	MY44211125	Apr. 09,17	Apr. 09,18
Signal Amplifier	DAZE	ZN3380C	11001	Apr. 09,17	Apr. 09,18
High Pass filter	Micro	HPM50111	324216	Apr. 09,17	Apr. 09,18
Filter	COM-MW	ZBSF-C836.5-25-X	KW032	Apr. 09,17	Apr. 09,18
Filter	COM-MW	ZBSF-C1747.5-75-X2	KW035	Apr. 09,17	Apr. 09,18
Filter	COM-MW	ZBSF-C1880-60-X2	KW037	Apr. 09,17	Apr. 09,18
DC Power Supply	LongWei	PS-305D	010964729	Apr. 09,17	Apr. 09,18
Constant temperature and humidity box	GF	GTH-800-40-1P	MAA9906-005	Apr. 09,17	Apr. 09,18
Universal radio communication tester	Rohde&Schwarz	CMU200	3215420	Apr. 09,17	Apr. 09,18
Splitter	Agilent	11636B	0025164	Apr. 09,17	Apr. 09,18
Loop Antenna	ARA	PLA-1030/B	1029	Apr. 09,17	Apr. 09,18

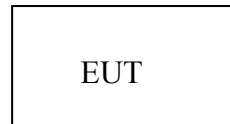
3. TEST SET-UP AND OPERATION MODES

3.1. Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

3.2. Block Diagram of Test Set-up

System Diagram of Connections between EUT and Simulators



(EUT: Wireless Mouse)

3.3. Test Operation Mode and Test Software

None.

3.4. Special Accessories and Auxiliary Equipment

None.

3.5. Countermeasures to Achieve EMC Compliance

None.

4. EMISSION TEST RESULTS

4.1. Conducted Emission at the Mains Terminals Test

4.1.1. Limit 15.207 limits

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

4.1.2. Test Setup

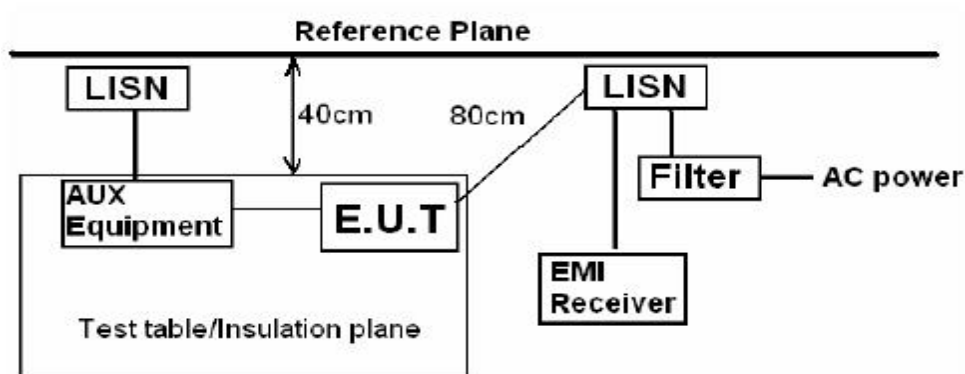
The EUT was put on a wooden table which was 0.8 m high above the ground and connected to the AC mains through the Artificial Mains Network (AMN). Where the mains cable supplied by the manufacture was longer than 0.8 m, the excess was folded back and forth parallel to the cable at the centre so as to form a bundle no longer than 0.4 m.

The EUT was kept 0.4 m from any other earthed conducting surface. Both sides of AC line were checked to find out the maximum conducted emission levels according to the test procedure during the conducted emission test.

The frequency range from 150 kHz to 30 MHz was investigated.

The bandwidth of the test receiver was set at 9 kHz.

Pretest for all mode, The test data of the worst case condition(s) was reported on the following page.



Remark:
E.U.T: Equipment Under Test
LISN: Line Impedance Stabilization Network
Test table height=0.8m

Note: There is no need for conduction emissions test, because the power supply of the EUT is dry battery only.

4.2. Radiated Emission Test

4.2.1. Limit 15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

4.2.2. Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

4.2.3. Test setup

The EUT was placed on a turn table which was 0.8 m (above 1GHz, the table was 1.5m) above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 m away from the receiving antenna which was mounted on an antenna tower. The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 m to 4 m for both horizontal and vertical polarizations.

The EUT was tested in the Chamber Site. It was pre-scanned with a Peak detector from the spectrum, and all the final readings from the test receiver were measured with the Quasi-Peak detector.

The bandwidth of the EMI test receiver is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz.

The frequency range from 30MHz to 10th harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

Notes: 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading-Preamp Factor.

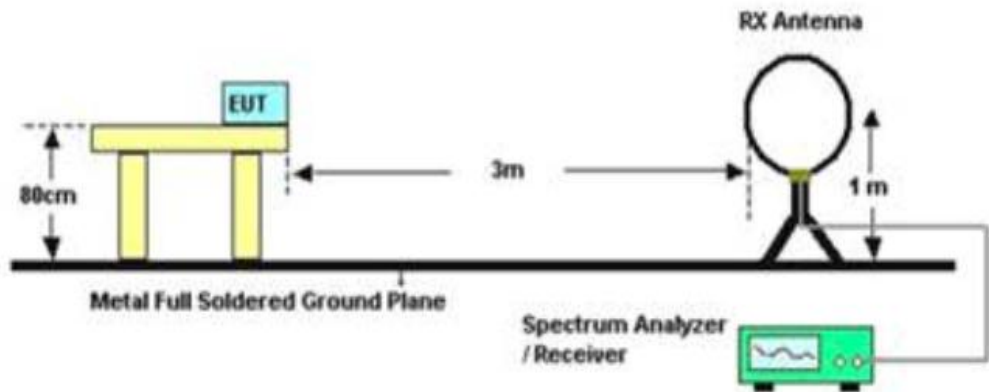
2. Measurement Uncertainty: ± 3.2 dB at a level of confidence of 95%.

3. For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

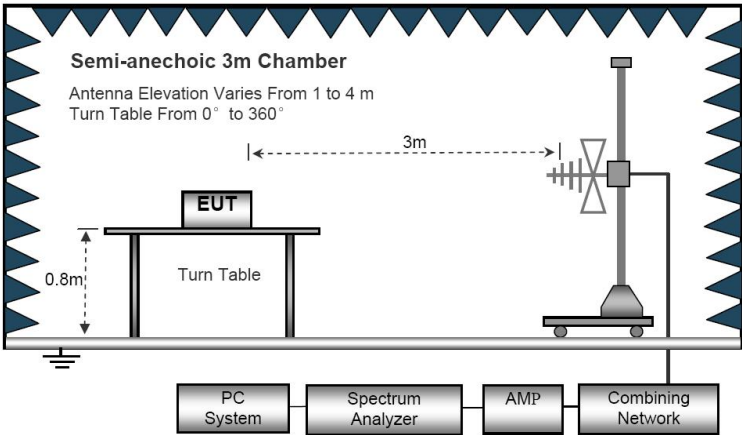
4. For emissions below 1GHz, pretest for all mode, The test data of the worst case condition(s) was reported on the following pages.

5. EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report (Z orientation).

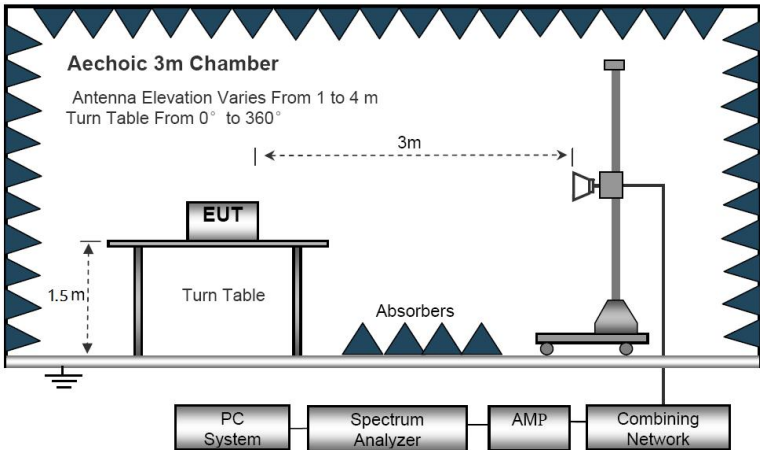
Radiated Emission Test-Up Frequency Below 30MHz



30MHz- 1GHz



Above 1GHz



Below 30MHz

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	P
--	--	--	--	P

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

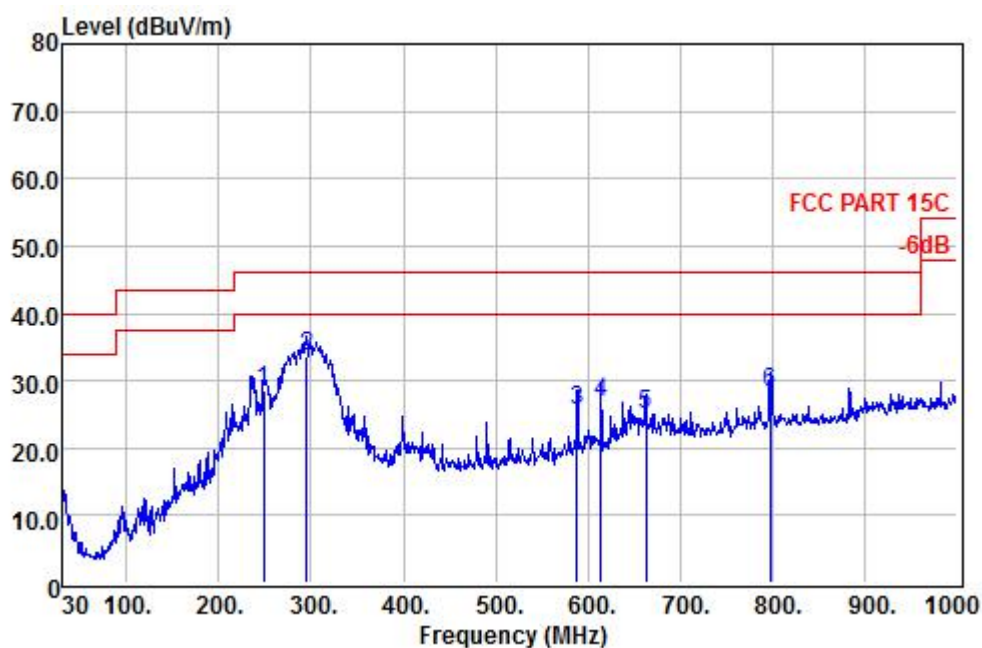
Distance extrapolation factor = $40 \log (\text{specific distance}/\text{test distance})$ (dB);

Limit line = specific limits(dBuV) + distance extrapolation factor.

Test Result

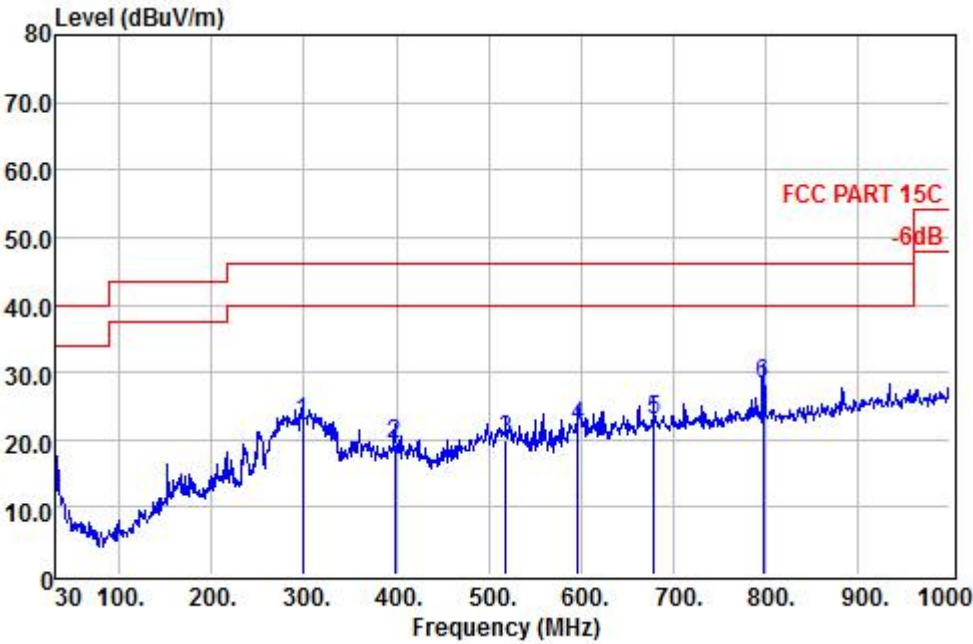
EUT :	Wireless Mouse	Model Name :	V8
Temperature :	25 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Voltage :	DC 1.5V
Test Mode :	TX		

Below 1GHz Horizontal



	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB	
1	248.25	45.09	12.85	1.70	28.68	46.00	-17.32	QP
2	295.78	48.92	13.66	1.87	33.52	46.00	-12.48	QP
3	588.72	32.84	20.24	3.29	25.67	46.00	-20.33	QP
4	613.94	33.03	20.99	3.38	26.77	46.00	-19.23	QP
5	663.41	30.39	21.72	3.69	24.99	46.00	-21.01	QP
6	797.27	31.58	22.97	4.29	28.27	46.00	-17.73	QP

Vertical



	Freq	ReadAntenna	Cable		Limit	Over	
	Level	Factor	Loss	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB
1	298.69	37.76	13.76	1.94	22.54	46.00	-23.46 QP
2	398.60	31.30	16.29	2.37	19.33	46.00	-26.67 QP
3	518.88	28.69	19.08	2.94	20.05	46.00	-25.95 QP
4	597.45	28.74	20.52	3.29	21.91	46.00	-24.09 QP
5	678.93	28.01	21.98	3.80	23.04	46.00	-22.96 QP
6	797.27	31.68	22.97	4.29	28.37	46.00	-17.63 QP

NOTE:
Absolute Level= ReadingLevel+antenna Factor+cable loss-preamp factor,
Over Limit= Absolute Level – Limit

Above 1GHz

Frequency (MHz)	Reading (dB μ V)	Antenna Factor (dB)	Preamp factor (dB)	cable loss (dB)	Corrected Amplitude (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Polar (H/V)
Low channel(2402MHz)									
2402	72.15	38.16	30.82	5.71	85.20	114	-28.80	Pk	Vertical
2402	62.35	38.16	30.82	5.71	75.40	94	-18.60	AV	Vertical
4804	37.85	32.38	30.55	7.83	47.51	74	-26.49	Pk	Vertical
4804	26.67	32.38	30.55	7.83	36.33	54	-17.67	AV	Vertical
7206	34.12	31.54	30.28	10.66	46.04	74	-27.96	Pk	Vertical
7206	24.78	31.54	30.28	10.66	36.70	54	-17.30	AV	Vertical
2402	63.50	38.16	30.82	5.71	76.55	114	-37.45	Pk	Horizontal
2402	53.05	38.16	30.82	5.71	66.10	94	-27.90	AV	Horizontal
4804	35.63	32.38	30.55	7.83	45.29	74	-28.71	Pk	Horizontal
4804	25.23	32.38	30.55	7.83	34.89	54	-19.11	AV	Horizontal
7206	33.23	31.54	30.28	10.66	45.15	74	-28.85	Pk	Horizontal
7206	22.10	31.54	30.28	10.66	34.02	54	-19.98	AV	Horizontal
Middle channel(2441MHz)									
2441	71.76	37.53	30.65	5.82	84.46	114	-29.54	Pk	Vertical
2441	61.27	37.53	30.65	5.82	73.97	94	-20.03	AV	Vertical
4882	38.64	32.27	30.18	8.26	48.99	74	-25.01	Pk	Vertical
4882	27.52	32.27	30.18	8.26	37.87	54	-16.13	AV	Vertical
7324	36.61	32.74	30.29	10.74	49.80	74	-24.20	Pk	Vertical
7324	26.98	32.74	30.29	10.74	40.17	54	-13.83	AV	Vertical
2441	64.53	37.53	30.65	5.82	77.23	114	-36.77	Pk	Horizontal
2441	54.74	37.53	30.65	5.82	67.44	94	-26.56	AV	Horizontal
4882	44.85	32.27	30.18	8.26	55.20	74	-18.80	Pk	Horizontal
4882	25.93	32.27	30.18	8.26	36.28	54	-17.72	AV	Horizontal
7324	34.74	32.74	30.29	10.74	47.93	74	-26.07	Pk	Horizontal
7324	23.65	32.74	30.29	10.74	36.84	54	-17.16	AV	Horizontal
High channel(2480MHz)									
2480	70.63	37.67	30.71	5.93	83.52	114	-30.48	Pk	Vertical
2480	59.98	37.67	30.71	5.93	72.87	94	-21.13	AV	Vertical
4960	37.78	32.58	30.64	7.79	47.51	74	-26.49	Pk	Vertical
4960	28.57	32.58	30.64	7.79	38.30	54	-15.70	AV	Vertical
7440	35.93	32.84	30.29	10.64	49.12	74	-24.88	Pk	Vertical
7440	25.08	32.84	30.29	10.64	38.27	54	-15.73	AV	Vertical
2480	64.46	37.67	30.71	5.93	77.35	114	-36.65	Pk	Horizontal
2480	54.39	37.67	30.71	5.93	67.28	94	-26.72	AV	Horizontal
4960	35.49	32.58	30.64	7.79	45.22	74	-28.78	Pk	Horizontal
4960	25.74	32.58	30.64	7.79	35.47	54	-18.53	AV	Horizontal
7440	33.72	32.84	30.29	10.64	46.91	74	-27.09	Pk	Horizontal
7440	23.38	32.84	30.29	10.64	36.57	54	-17.43	AV	Horizontal

NOTE:

Corrected Amplitude=Reading+ Antenna Factor+cable loss-Preamp factor

Margin= Absolute Level – Limit

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has not to be reported.

5. BANDWIDTH TEST

5.1. TEST PROCEDURE

- a. The EUT was directly connected to the spectru analyzer and antenna output port as show in the block diagram below.
- b.Spectrum Setting:RBW=30KHz, VBW $\geq$ RBW, Sweep=Auto.

5.2. Test setup

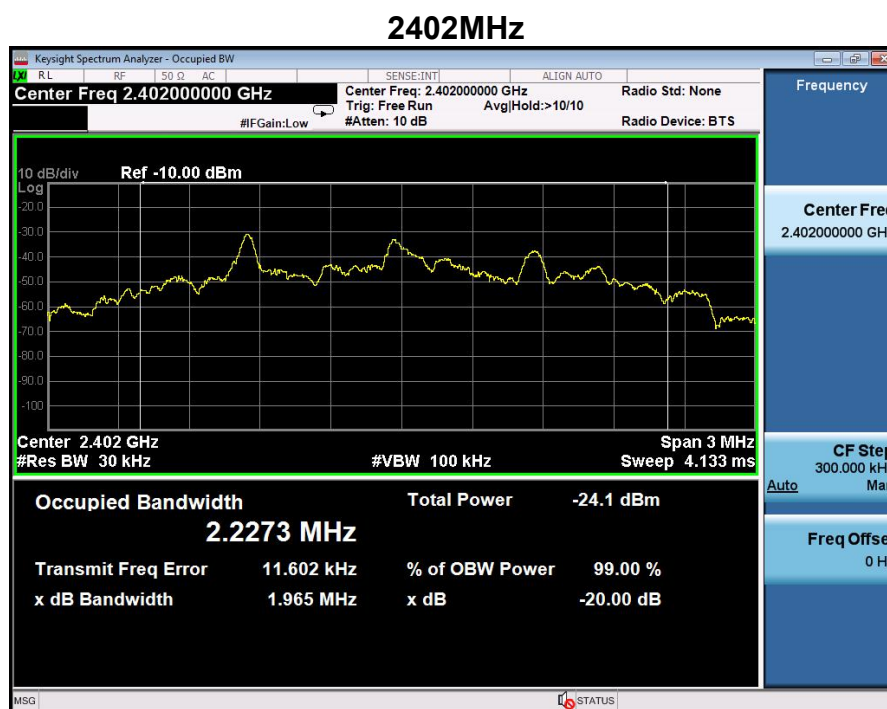


Test data:

EUT :	Wireless Mouse	Model Name :	V8
Temperature :	25 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Voltage :	DC 1.5V
Test Mode :	GFSK		

Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)	Result
2402	1.965	2.227	Pass
2441	2.185	2.506	Pass
2480	2.090	2.364	Pass

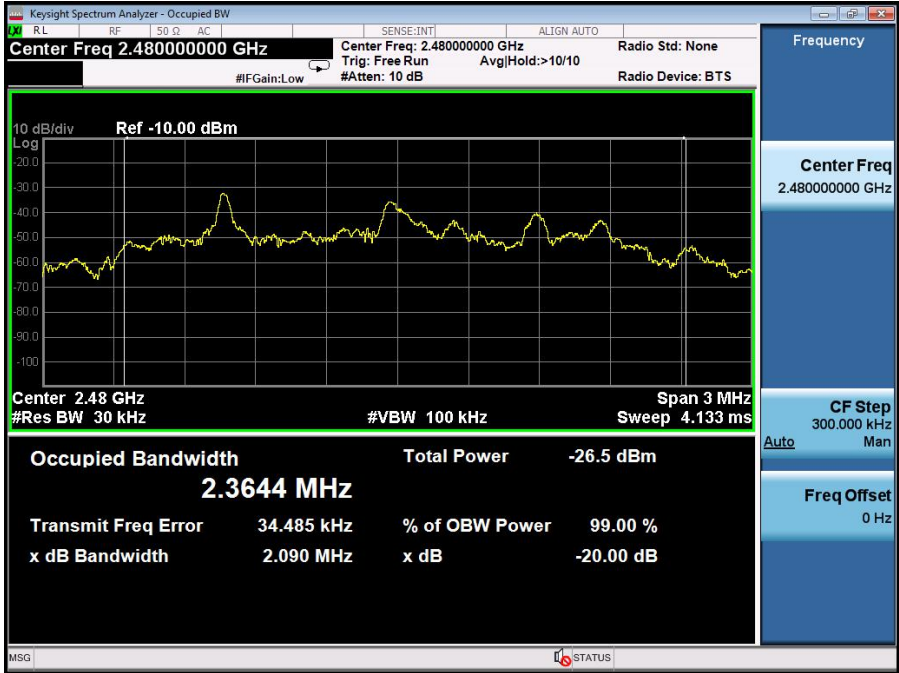
Test plot as follows:



2441MHz



2480 MHz



6. BAND EDGE COMPLIANCE TEST

6.1. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

6.2. Test setup

The EUT was placed on a turn table which was 1.5 m above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 m away from the receiving antenna which was mounted on an antenna tower. The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 m to 4 m for both horizontal and vertical polarizations.

Set to span from the lowest frequency generated in the device up to and including the tenth harmonic of the highest fundamental frequency

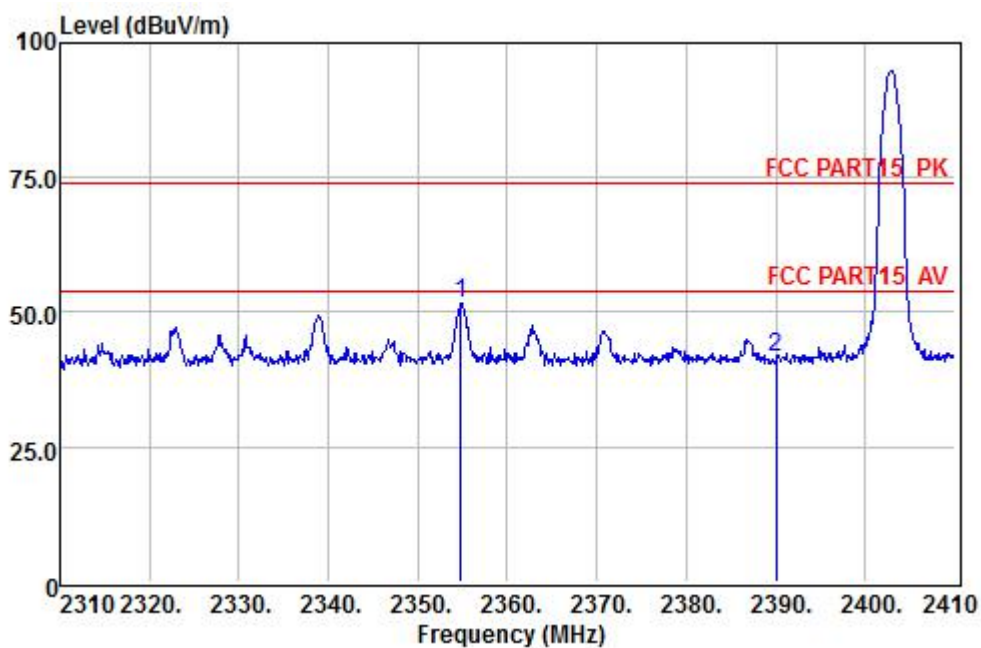
The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure. For all test, used peak detector.

Note: If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.

For radiated test as follows:

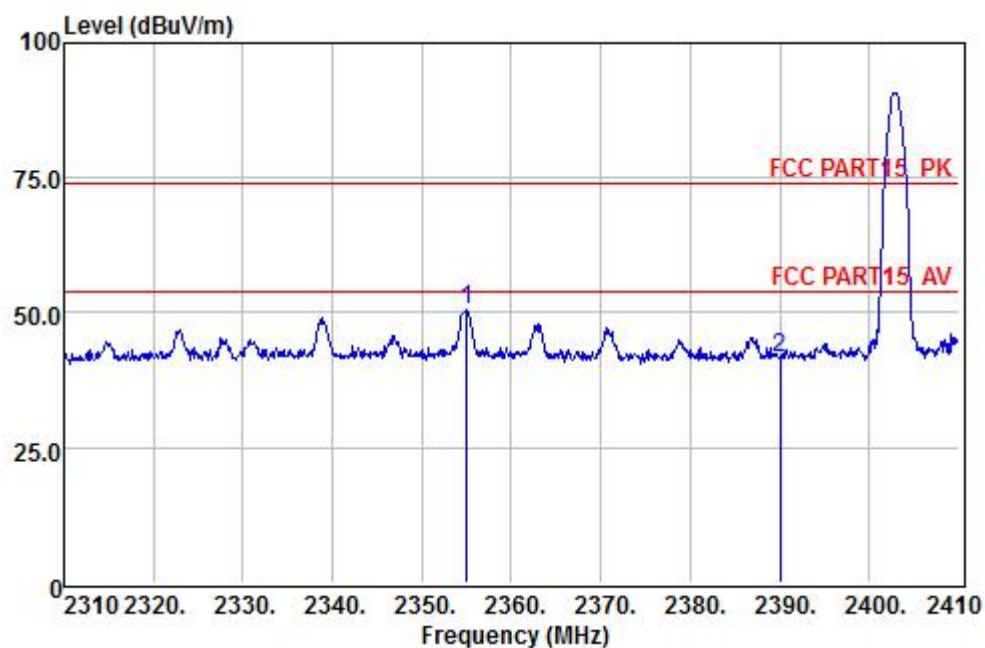
EUT :	Wireless Mouse	Model Name :	V8
Temperature :	25 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Voltage :	DC 1.5V
Test Mode :	TX		

Horizontal -Low



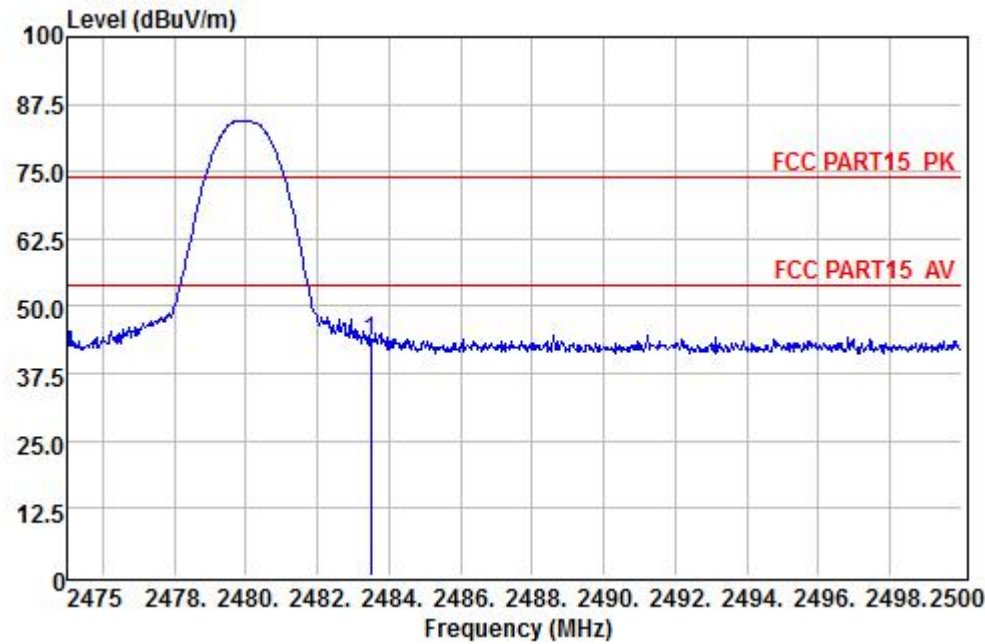
		Preamp	Read	CableAntenna		Limit	Over	
	Freq	Factor	Level	Loss	Factor	Level	Line	Limit
	MHz		dBuV	dB	dB/m	dBuV/m	dBuV/m	dB
1	2354.80	26.31	42.07	7.25	28.69	51.70	74.00	-22.30
2	2390.00	26.32	31.80	7.34	28.72	41.54	74.00	-32.46

Vertical -Low



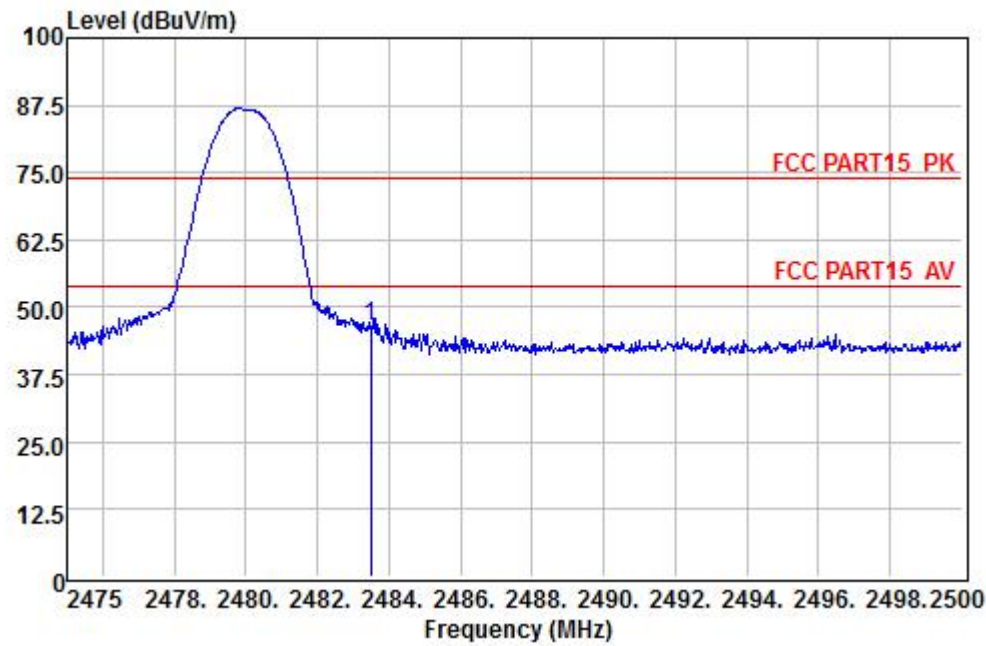
		Preamp	Read	CableAntenna		Limit	Over	
	Freq	Factor	Level	Loss	Factor	Level	Line	Limit
	MHz	dB	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB
1	2355.00	26.31	40.77	7.25	28.69	50.40	74.00	-23.60
2	2390.00	26.32	31.99	7.34	28.72	41.73	74.00	-32.27

Horizontal -High



	Preamp	ReadAntenna	Cable		Limit	Over	
Freq	Factor	Level	Factor	Loss	Level	Line	Limit
MHz	dB	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB
1	2483.50	26.34	33.35	28.79	7.57	43.37	74.00
							-30.63
							Peak

Vertical -High



		Preamp	ReadAntenna		Cable		Limit	Over	
	Freq	Factor	Level	Factor	Loss	Level	Line	Limit	Remark
	MHz	dB	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB	
1	2483.50	26.34	36.47	28.79	7.57	46.49	74.00	-27.51	Peak

If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.

7. ANTENNA REQUIREMENTS

7.1. Limits

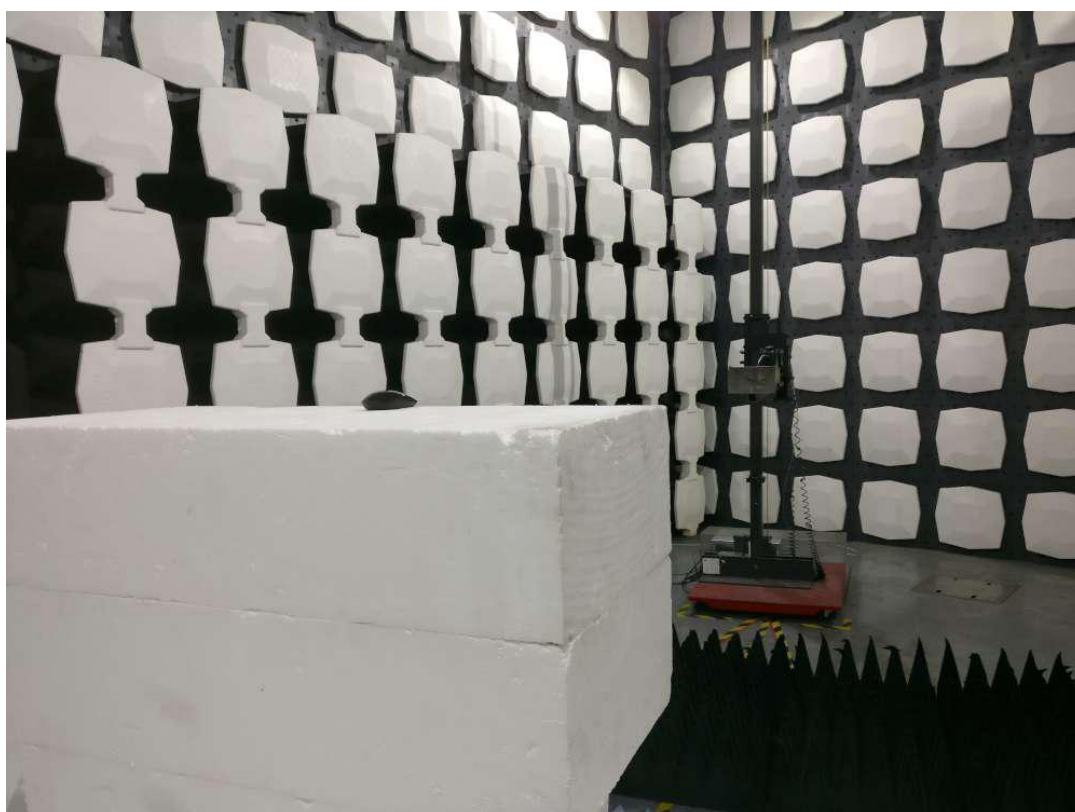
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

7.2. Result

The antenna used for this product is PCB antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 1dBi.

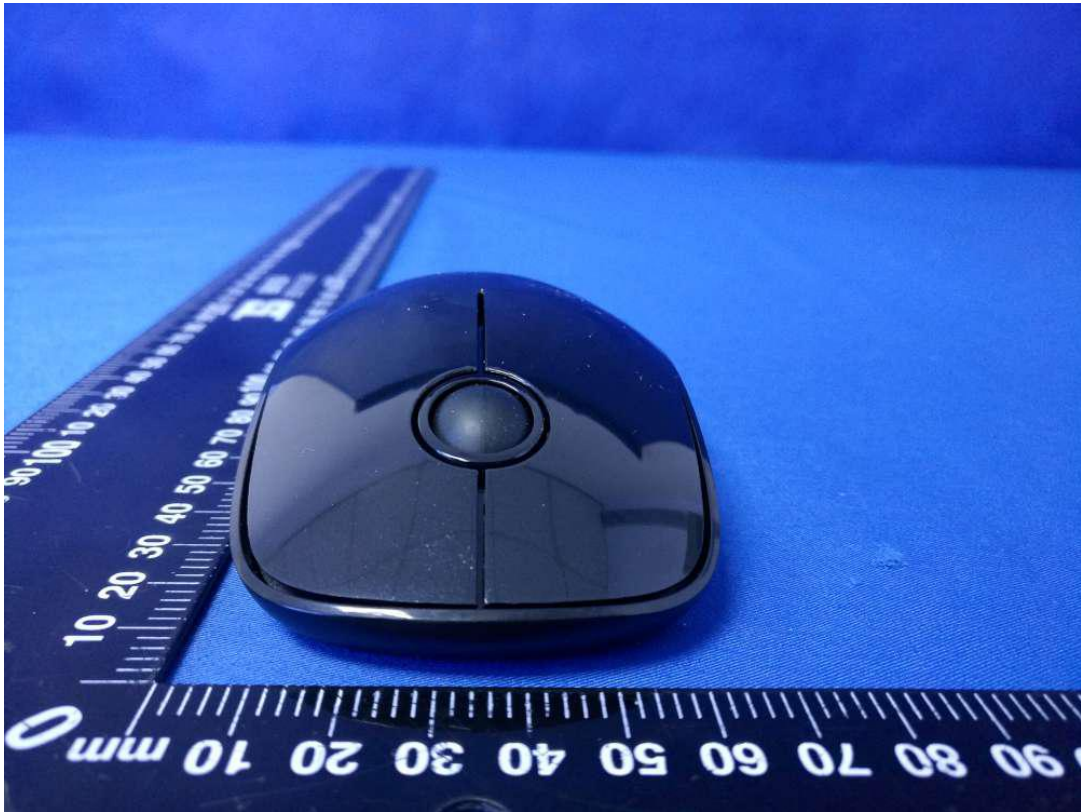
8. PHOTOGRAPHS OF TEST SET-UP

Radiated Emission Test



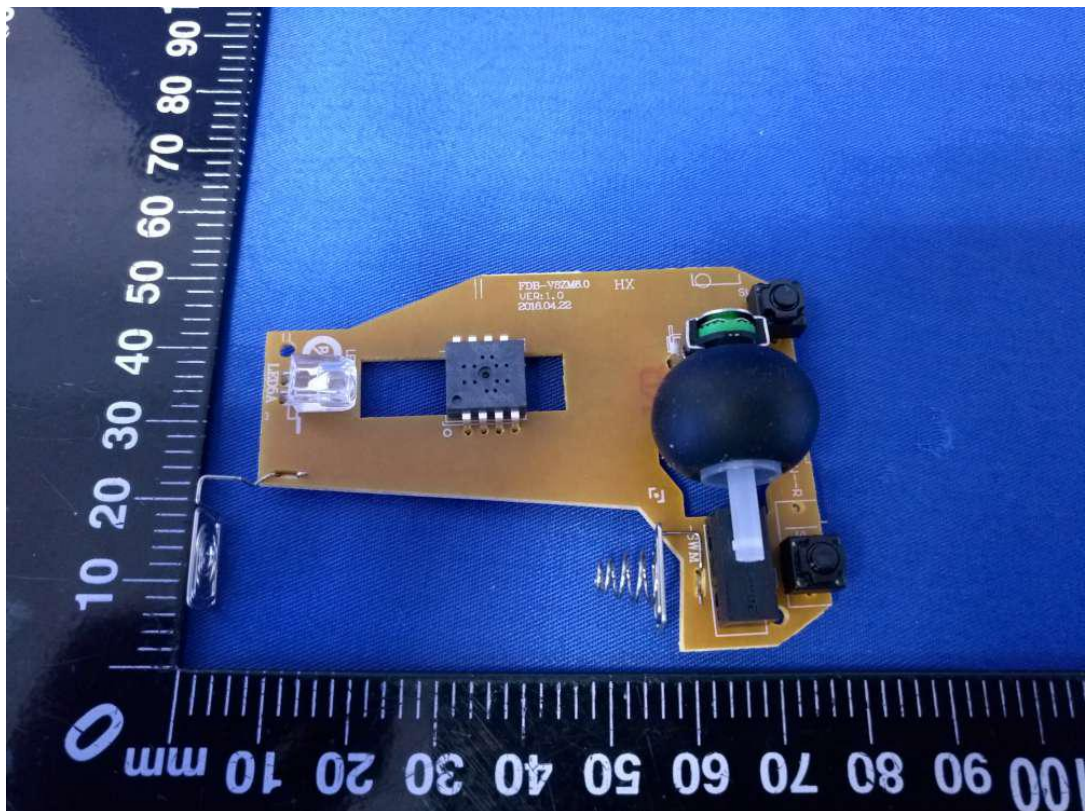
9. PHOTOGRAPHS OF THE EUT

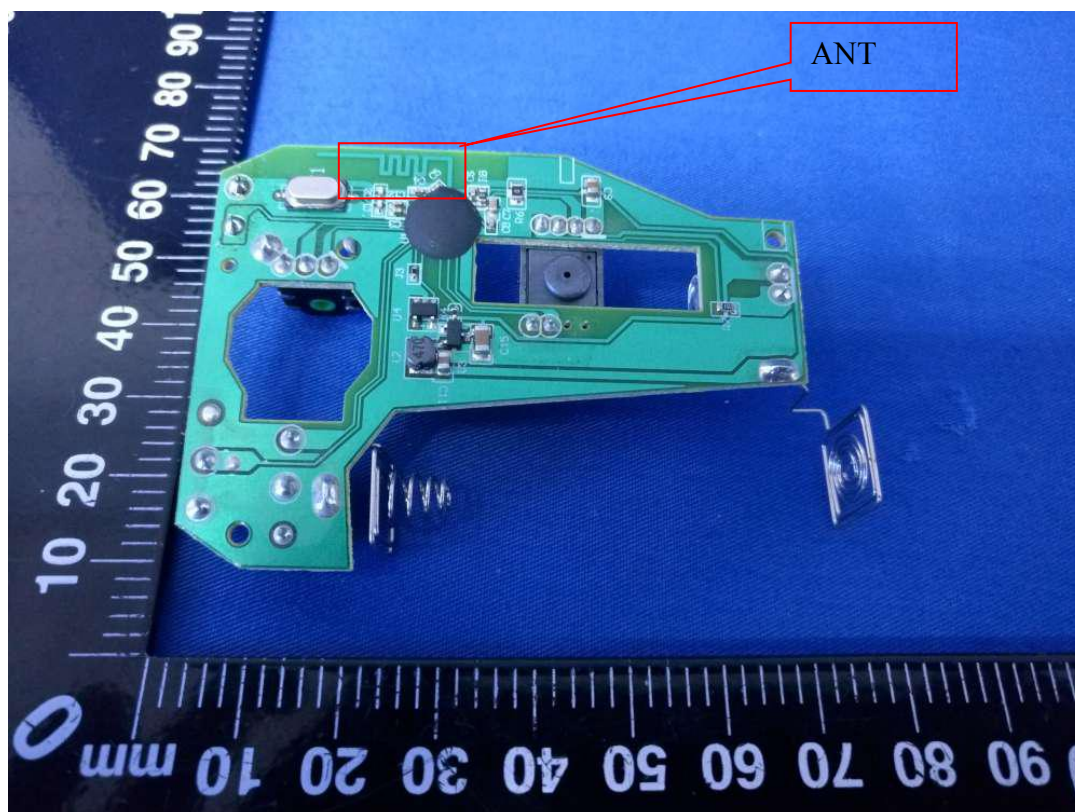
V8











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