



TEST REPORT

FCC PART 15 SUBPART C 15.249 & RSS 210

Test report
On Behalf of
Shenzhen Carpo Technology Co., Ltd.
For
MOUSE
Model No.: VP6158, 838, 53913

FCC ID: 2ABKU-VP6158

Prepared for : **Shenzhen Carpo Technology Co., Ltd.**
Building A,Hengbang Industrial park,Lou Village,Gongming Street
Guangming Dist, Shenzhen,China

Prepared By : **Shenzhen HUAKE Testing Technology Co., Ltd.**
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Bao'an District, Shenzhen City, China

Date of Test: **Jun.27, 2018 ~ Jul.05, 2018**

Date of Report: **Jul.05, 2018**

Report Number: **HK180627352-1E**



TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Carpo Technology Co., Ltd.
Address : Building A,Hengbang Industrial park,Lou Village,Gongming Street
Guangming Dist, Shenzhen,China
Manufacture's Name : Shenzhen Carpo Technology Co., Ltd.
Address : Building A,Hengbang Industrial park,Lou Village,Gongming Street
Guangming Dist, Shenzhen,China

Product description

Trade Mark:

Product name : MOUSE

Model and/or type reference : VP6158, 838, 53913

FCC Rules and Regulations Part 15 Subpart C Section 15.249

Standards : RSS 210 A 2.9&RSS-Gen Issue 5

ANSI C63.10: 2013

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Date of Test :

Date (s) of performance of tests : Jun.27, 2018 ~ Jul.05, 2018

Date of Issue..... : Jul.05, 2018

Test Result..... : **Pass**

Prepared by:

Project Engineer

Reviewed by:

Project Supervisor

Approved by:

Technical Director



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1. TEST SUMMARY

1.1 TEST PROCEDURES AND RESULTS

DESCRIPTION OF TEST	RESULT
CONDUCTED EMISSIONS TEST	COMPLIANT
RADIATED EMISSION TEST	COMPLIANT
BAND EDGE	COMPLIANT
20DB BANDWIDTH& 99% BANDWIDTH	COMPLIANT
ANTENNA REQUIREMENT	COMPLIANT

1.2 TEST FACILITY

Test Firm : Shenzhen HUAKE Testing Technology Co., Ltd.

Address : 1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park,
Fuhai Street, Bao'an District, Shenzhen City, China

Designation Number : CN1229

Test Firm Registration Number:616276

IC Registration No.: 21210

The 3m alternate test site of Shenzhen HUAKE Testing Technology Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration No.: 21210 on May 24, 2016.

1.3 MEASUREMENT UNCERTAINTY

Measurement Uncertainty

Conducted Emission Expanded Uncertainty	= 2.23dB, k=2
Radiated emission expanded uncertainty(9kHz-30MHz)	= 3.08dB, k=2
Radiated emission expanded uncertainty(30MHz-1000MHz)	= 4.42dB, k=2
Radiated emission expanded uncertainty(Above 1GHz)	= 4.06dB, k=2



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	MOUSE
Model Name	VP6158
Serial Model	838, 53913
Trade Mark	N/A
Model Difference	All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample model: VP6158.
FCC ID	2ABKU-VP6158
Antenna Type	PCB Antenna
Antenna Gain	0dBi
Operation frequency	2405-2475MHz
Number of Channels	36CH
Modulation Type	GFSK
Power Source	DC3.7V From Battery; DC 5V/0.5A from Micro USB
Power Rating	DC3.7V From Battery; DC 5V/0.5A from Micro USB



2.2 Carrier Frequency of Channels

Channel List							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2405	11	2425	21	2445	31	2465
02	2407	12	2427	22	2447	32	2467
03	2409	13	2429	23	2449	33	2469
04	2411	14	2431	24	2451	34	2471
05	2413	15	2433	25	2453	35	2473
06	2415	16	2435	26	2455	36	2475
07	2417	17	2437	27	2457		
08	2419	18	2439	28	2459		
09	2421	19	2441	29	2461		
10	2423	20	2443	30	2463		

2.3 Operation of EUT during testing

Operating Mode

The mode is used: **Transmitting mode**

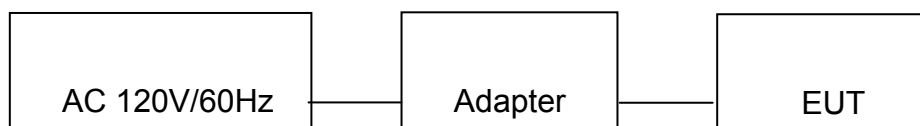
Low Channel: 2405MHz

Middle Channel: 2441MHz

High Channel: 2475MHz

2.4 DESCRIPTION OF TEST SETUP

Operation of EUT during Conducted and Radiation testing:



Operation of EUT during Above1GHz Radiation testing:



● Adapter information

Model: HW-050500DHQ

Input: 100-240V~, 50/60Hz, 0.5A

Output: 5VDC, 0.5A



2.5 MEASUREMENT INSTRUMENTS LIST

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	R&S	ENV216	HKE-002	Dec. 28, 2017	1 Year
2.	Receiver	R&S	ESCI 7	HKE-010	Dec. 28, 2017	1 Year
3.	RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 28, 2017	1 Year
4.	Spectrum analyzer	R&S	FSP40	HKE-025	Dec. 28, 2017	1 Year
5.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 28, 2017	1 Year
6.	Preamplifier	Schwarzbeck	BBV 9743	HKE-006	Dec. 28, 2017	1 Year
7.	EMI Test Receiver	Rohde & Schwarz	ESCI 7	HKE-010	Dec. 28, 2017	1 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	HKE-012	Dec. 28, 2017	1 Year
9.	Loop Antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Dec. 28, 2017	1 Year
10.	Horn Antenna	Schwarzbeck	9120D	HKE-013	Dec. 28, 2017	1 Year
11.	Pre-amplifier	EMCI	EMC051845 SE	HKE-015	Dec. 28, 2017	1 Year
12.	Pre-amplifier	Agilent	83051A	HKE-016	Dec. 28, 2017	1 Year
13.	EMI Test Software EZ-EMC	Tonscend	JS1120-B Version	HKE-083	Dec. 28, 2017	N/A
14.	Power Sensor	Agilent	E9300A	HKE-086	Dec. 28, 2017	1 Year
15.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 28, 2017	1 Year
16.	Signal generator	Agilent	N5182A	HKE-029	Dec. 28, 2017	1 Year
17.	Signal Generator	Agilent	83630A	HKE-028	Dec. 28, 2017	1 Year
18.	Shielded room	Shiel Hong	4*3*3	HKE-039	Dec. 28, 2017	3 Year



3. CONDUCTED EMISSIONS TEST

3.1 Conducted Power Line Emission Limit

According to FCC CFR Title 47 Part 15 Subpart C Section 15.207 and RSS Gen 8.8, AC Power

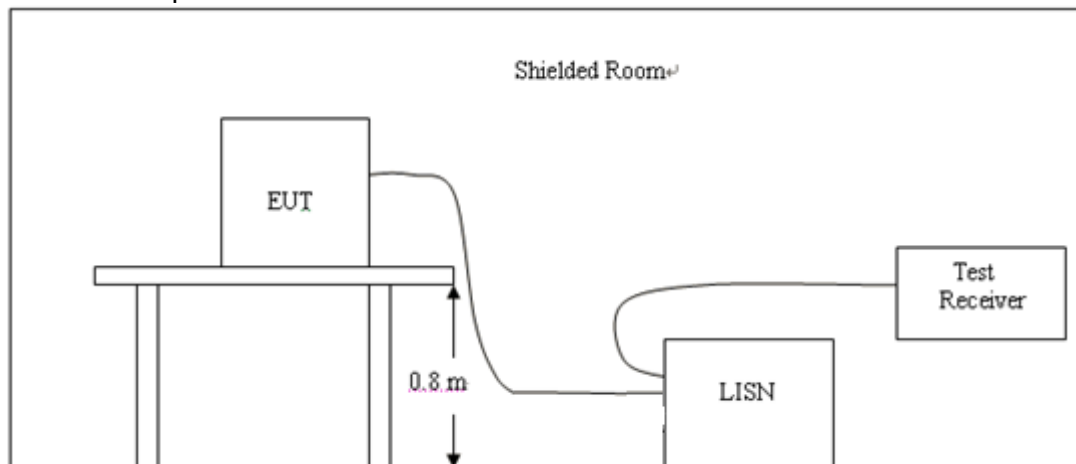
Line Conducted Emissions Limits for Licence-Exempt Radio Apparatus as below:

Frequency (MHz)	Maximum RF Line Voltage (dB μ V)			
	CLASS A		CLASS B	
	Q.P.	Ave.	Q.P.	Ave.
0.15 - 0.50	79	66	66-56*	56-46*
0.50 - 5.00	73	60	56	46
5.00 - 30.0	73	60	60	50

* Decreasing linearly with the logarithm of the frequency

For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

3.2 Test Setup



3.3 Test Procedure

- 1, The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
- 2, Support equipment, if needed, was placed as per ANSI C63.10.
- 3, All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4, If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5, All support equipments received AC power from a second LISN, if any.
- 6, The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7, Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.

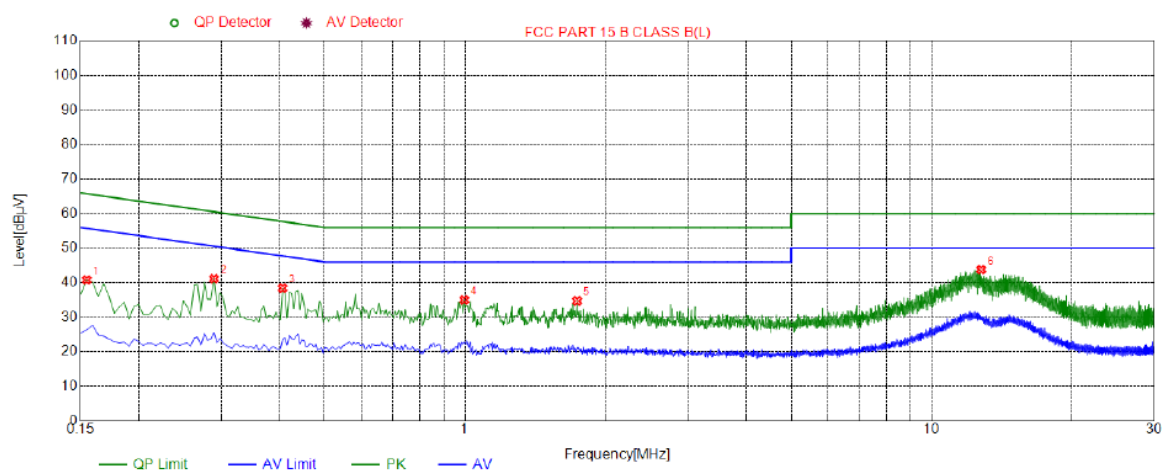
3.4 Test Result

Pass



Test Specification: Line

Test Graph



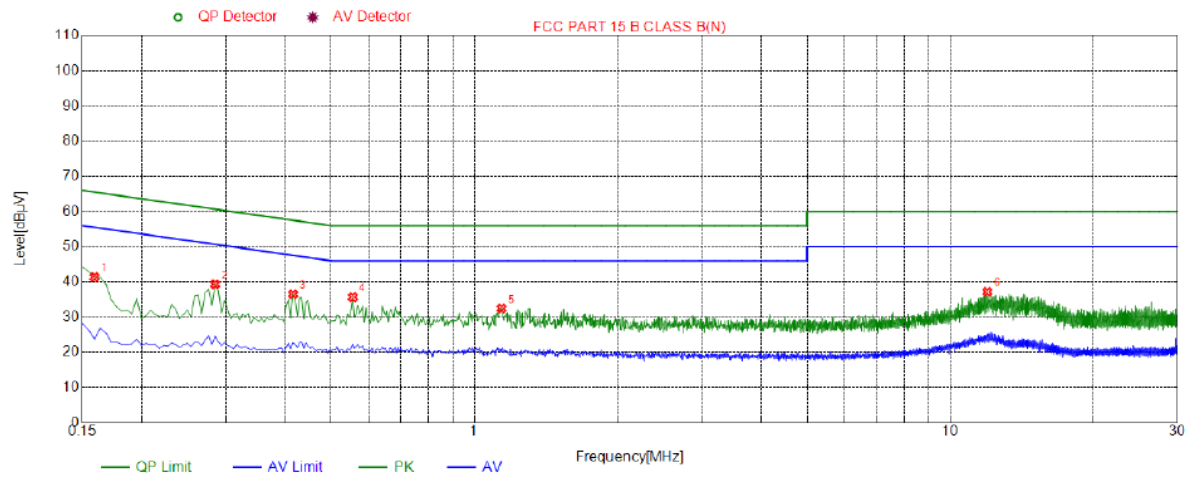
NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Detector
1	0.1545	40.78	10.03	66.00	25.22	PK
2	0.2895	41.13	10.03	61.04	19.91	PK
3	0.4065	38.38	10.03	57.96	19.58	PK
4	0.9960	34.99	10.06	56.00	21.01	PK
5	1.7385	34.70	10.14	56.00	21.30	PK
6	12.7725	43.76	9.97	60.00	16.24	PK

Remark: Transd = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level



Test Specification: Neutral

Test Graph



NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Detector
1	0.1590	41.40	10.01	65.53	24.13	PK
2	0.2850	39.32	10.04	60.67	21.35	PK
3	0.4155	36.49	10.03	57.54	21.05	PK
4	0.5550	35.66	10.06	56.00	20.34	PK
5	1.1400	32.43	10.09	56.00	23.57	PK
6	11.9625	37.17	9.99	60.00	22.83	PK

Remark: Transd = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

4 RADIATED EMISSION TEST

4.1 Radiation Limit

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission out of authorized band shall not exceed the following table at a 3 meters measurement distance. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

Except when the requirements applicable to a given device state otherwise, emissions from licence-exempt transmitters shall comply with the field strength limits shown in table below. Additionally, the level of any transmitter emission shall not exceed the level of the transmitter's fundamental emission

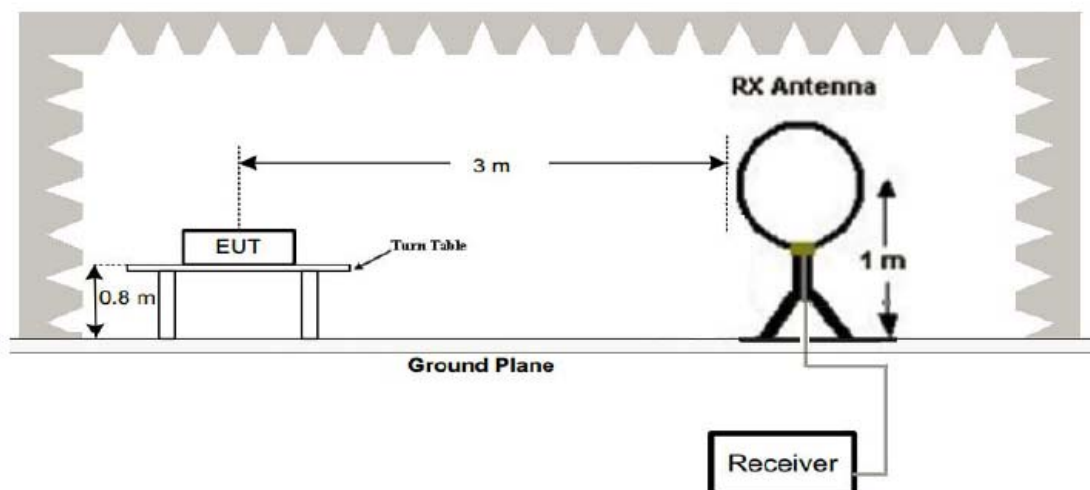
Unwanted emissions that fall into restricted bands shall comply with the limits specified in RSS-Gen; and Unwanted emissions that do not fall within the restricted frequency bands shall comply either with the limits specified in the applicable RSS or with those specified in this RSS-Gen.

Radiated emission limits

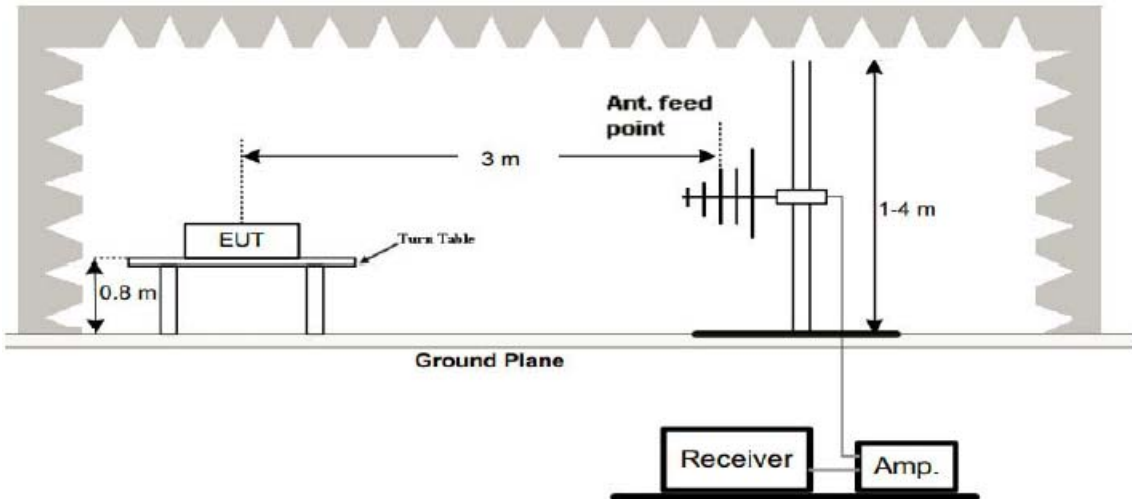
Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

4.2 Test Setup

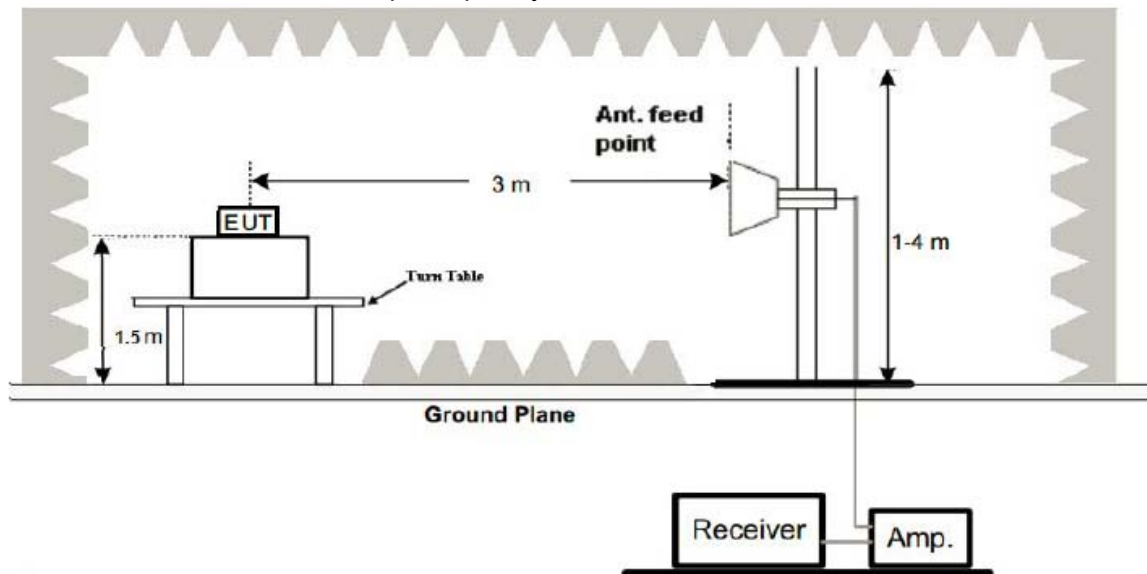
(1) Radiated Emission Test-Up Frequency Below 30MHz



(2) Radiated Emission Test-Up Frequency 30MHz~1GHz



(3) Radiated Emission Test-Up Frequency Above 1GHz



4.3 Test Procedure

1. Below 1GHz measurement the EUT is placed on turntable which is 0.8m above ground plane. And above 1GHz measurement EUT was placed on low permittivity and low tangent turn table which is 1.5m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The test frequency range from 9KHz to 25GHz per FCC PART 15.33(a).

Note:

For battery operated equipment, the equipment tests shall be performed using a new battery.

4.4 Test Result

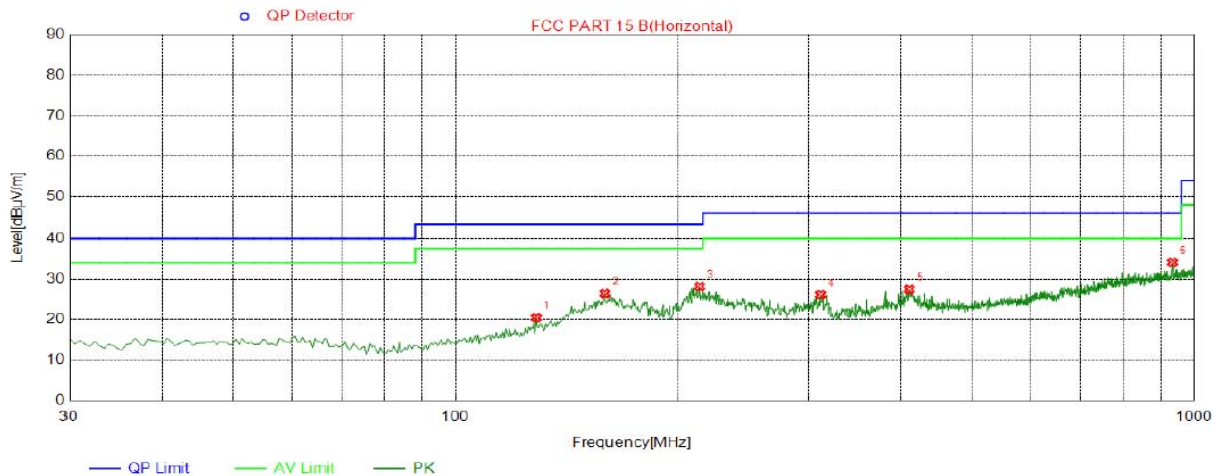
PASS

All the test modes completed for test. The worst case of Radiated Emission is CH 2405; the test data of this mode was reported.



Below 1GHz Test Results:

Antenna polarity: H

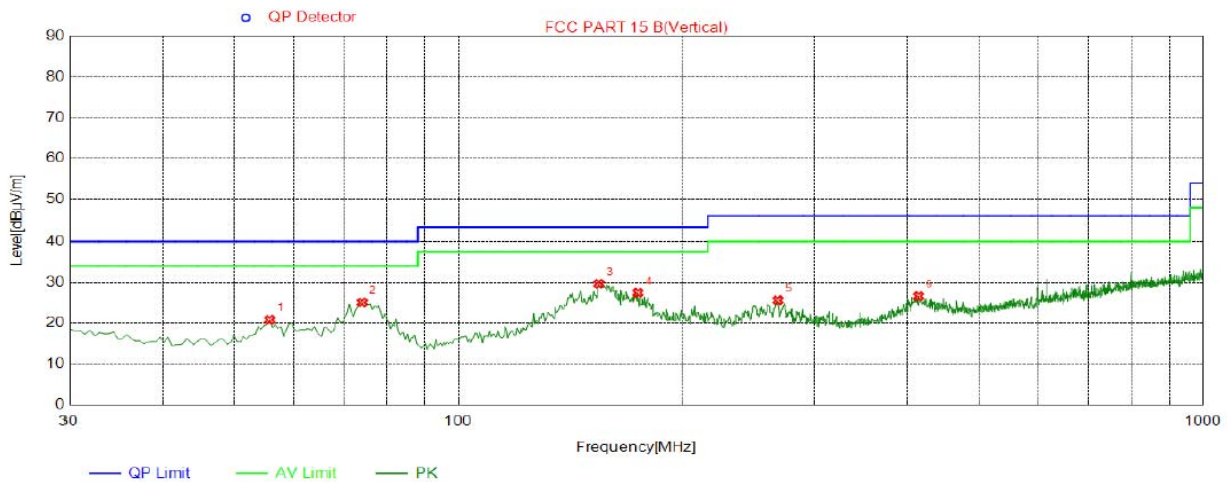


NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity
1	128.4550	20.44	-14.05	43.50	23.06	PK	100	24	Horizontal
2	159.0100	26.41	-9.31	43.50	17.09	PK	100	42	Horizontal
3	213.8150	28.10	-15.35	43.50	15.40	PK	100	44	Horizontal
4	311.7850	26.12	-12.90	46.00	19.88	PK	100	88	Horizontal
5	411.2100	27.42	-10.36	46.00	18.58	PK	100	82	Horizontal
6	934.0400	34.11	-0.68	46.00	11.89	PK	100	53	Horizontal

Remark: Transd = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level



Antenna polarity: V



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity
1	55.7050	20.81	-16.43	40.00	19.19	PK	100	330	Vertical
2	74.1350	25.06	-18.39	40.00	14.94	PK	100	325	Vertical
3	154.1600	29.62	-10.24	43.50	13.88	PK	100	73	Vertical
4	174.0450	27.41	-11.81	43.50	16.09	PK	100	93	Vertical
5	268.1350	25.60	-14.42	46.00	20.40	PK	100	296	Vertical
6	414.6050	26.58	-10.29	46.00	19.42	PK	100	38	Vertical

Remark: Transd = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

Remark:

- (1) Measuring frequencies from 9 KHz to the 1 GHz, Radiated emission test from 9KHz to 30MHz was verified, and no any emission was found except system noise floor.
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.

Above 1 GHz Test Results:
CH Low (2405MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2405	112.63	-5.84	106.79	114	-7.21	peak
2405	86.49	-5.84	80.65	94	-13.35	AVG
4810	56.55	-3.64	52.91	74	-21.09	peak
4810	46.38	-3.64	42.74	54	-11.26	AVG
7215	55.74	-0.95	54.79	74	-19.21	peak
7215	42.12	-0.95	41.17	54	-12.83	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2405	112.06	-5.84	106.22	114	-7.78	peak
2405	86.25	-5.84	80.41	94	-13.59	AVG
4810	56.41	-3.64	52.77	74	-21.23	peak
4810	46.27	-3.64	42.63	54	-11.37	AVG
7215	55.46	-0.95	54.51	74	-19.49	peak
7215	41.82	-0.95	40.87	54	-13.13	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



CH Middle (2441MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2441	111.53	-5.71	105.82	114	-8.18	peak
2441	86.08	-5.71	80.37	94	-13.63	AVG
4882	56.34	-3.51	52.83	74	-21.17	peak
4882	45.92	-3.51	42.41	54	-11.59	AVG
7323	55.16	-0.82	54.34	74	-19.66	peak
7323	41.28	-0.82	40.46	54	-13.54	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2441	111.15	-5.71	105.44	114	-8.56	peak
2441	85.56	-5.71	79.85	94	-14.15	AVG
4882	55.69	-3.51	52.18	74	-21.82	peak
4882	45.38	-3.51	41.87	54	-12.13	AVG
7323	53.22	-0.82	52.4	74	-21.6	peak
7323	40.75	-0.82	39.93	54	-14.07	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



CH High (2475MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2475	110.75	-5.65	105.1	114	-8.9	peak
2475	85.43	-5.65	79.78	94	-14.22	AVG
4950	55.61	-3.43	52.18	74	-21.82	peak
4950	45.29	-3.43	41.86	54	-12.14	AVG
7425	55.37	-0.75	54.62	74	-19.38	peak
7425	40.25	-0.75	39.5	54	-14.5	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2475	110.12	-5.65	104.47	114	-9.53	peak
2475	85.09	-5.65	79.44	94	-14.56	AVG
4950	55.31	-3.43	51.88	74	-22.12	peak
4950	44.87	-3.43	41.44	54	-12.56	AVG
7425	54.94	-0.75	54.19	74	-19.81	peak
7425	39.66	-0.75	38.91	54	-15.09	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Remark :

- (1) Measuring frequencies from 1 GHz to the 25 GHz .
- (2) “F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range shown “--- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.
- (7) All modes of operation were investigated and the worst-case emissions are reported.



5 BAND EDGE

FCC PART 15.249(d) / RSS-GEN(i5)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 §15.209, whichever is the lesser attenuation.

The band edge compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW to 100KHz and VBM to 300KHz to measure the peak field strength and set RBW to 1MHz and VBW to 10Hz to measure the average radiated field strength. The conducted RF band edge was measured by using a spectrum analyzer. Set span wide enough to capture the highest in-band emission and the emission at the band edge. Set RBW to 100 KHz and VBW to 300 KHz. to measure the conducted peak band edge.

PASS

Horizontal (Worst case)

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2310.00	55.27	-5.81	49.46	74	-24.54	peak
2310.00	/	-5.81	/	54	/	AVG
2390.00	52.45	-5.84	46.61	74	-27.39	peak
2390.00	/	-5.84	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



Operation Mode: TX CH High (2480MHz)

Horizontal (Worst case)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	56.09	-5.81	50.28	74	-23.72	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	54.13	-6.06	48.07	74	-25.93	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2483.50	55.64	-5.81	49.83	74	-24.17	peak
2483.50	/	-5.81	/	54	/	AVG
2500.00	53.18	-6.06	47.12	74	-26.88	peak
2500.00	/	-6.06	/	54	/	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						
Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.						



6 20dB and 99% Bandwidth

6.1 Test Setup

Same as Radiated Emission Measurement

6.2 Test Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Set EUT as normal operation.
3. Based on RSS Gen (i5) /ANSI C63.10 section 6.9.2: RBW= 30KHz. VBW= 100 KHz, Span=4MHz.
4. The useful radiated emission from the EUT was detected by the spectrum analyser with peak detector.

6.3 Measurement Equipment Used

Same as Radiated Emission Measurement

6.4 Test Result

PASS

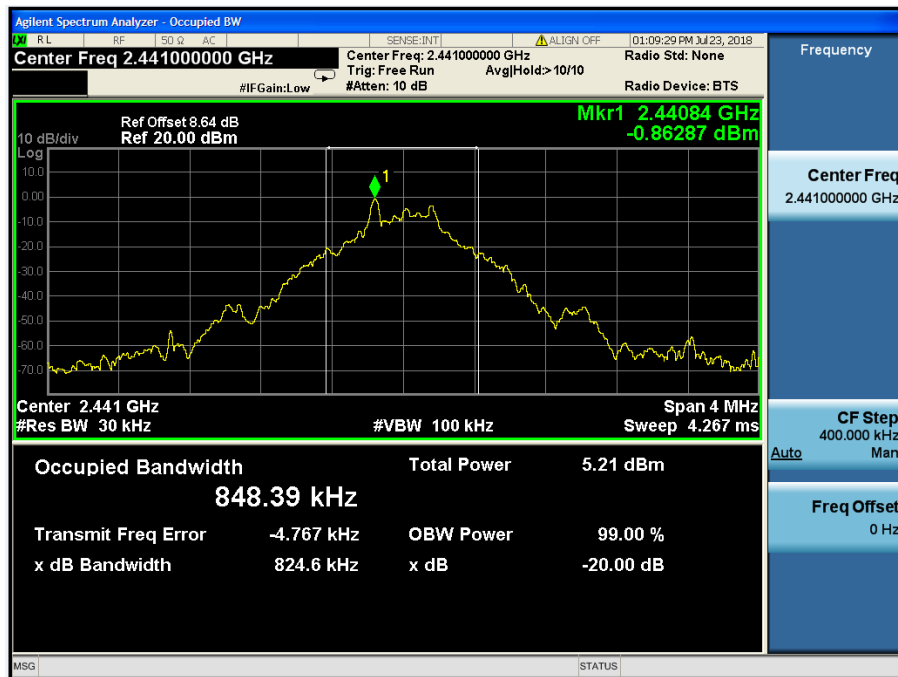
Frequency	20dB Bandwidth (KHz)	Result
2405 MHz	738.9	PASS
2441 MHz	824.6	PASS
2475 MHz	831.0	PASS

CH: 2405MHz

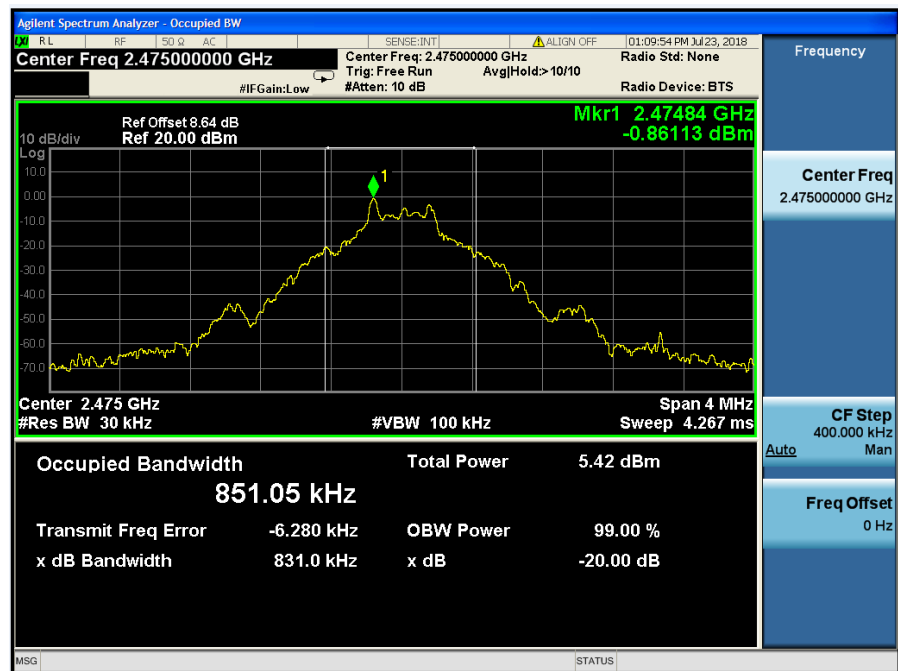




CH: 2441MHz



CH: 2475MHz





7 ANTENNA REQUIREMENT

Standard Applicable

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 15.249, 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.

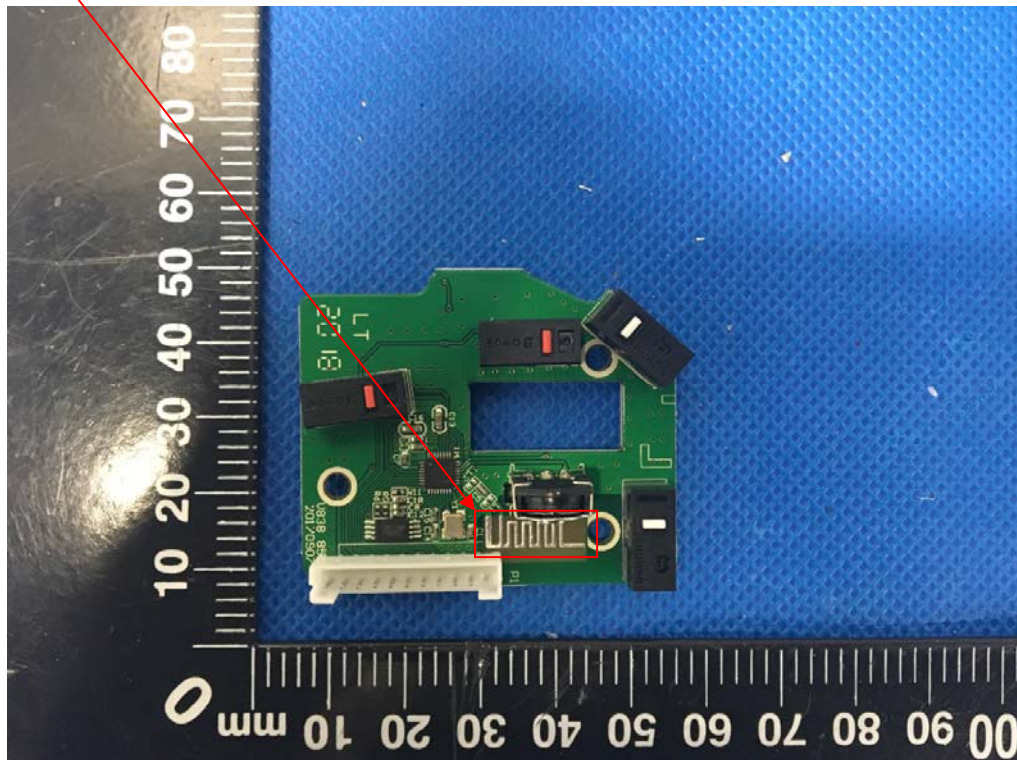
Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The antenna used in this product is a PCB Antenna, The directional gains of antenna used for transmitting is 0dBi.

ANTENNA





8 PHOTOGRAPH OF TEST

8.1 Conducted Emission





8.2 Radiated Emission

