# RF TEST REPORT



Report No.: 17071292-FCC-R
Supersede Report No.: N/A

Aaron Liang Test Engineer			d Huang cked By	
A compliance				
Jaron Li	Jaron Liang David Huang			
Equipment did no	t comply with	n the specific	ation	
Equipment compl	Equipment complied with the specification			
Test Result	Pass Fail			
Issue Date	December 08, 2017			
Test Date	November	09 to Decem	ber 07, 2017	
Test Standard	FCC Part 1	5.249: 2016;	ANSI C63.10: 2	013
Serial Model	N/A			
Main Model	1886			
Product Name	Wireless M	Wireless Mouse		
Applicant	Dongguan	Dongguan Lingjie Electronics & Technology Co., Ltd		

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Test result presented in this test report is applicable to the tested sample only

Issued by:

#### SIEMIC (SHENZHEN-CHINA) LABORATORIES

Zone A, Floor 1, Building 2 Wan Ye Long Technology Park South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China 518108

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### **Laboratories Introduction**

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

### **Accreditations for Conformity Assessment**

Country/Region	Scope
USA	EMC, RF/Wireless, SAR, Telecom
Canada	EMC, RF/Wireless, SAR, Telecom
Taiwan	EMC, RF, Telecom, SAR, Safety
Hong Kong	RF/Wireless, SAR, Telecom
Australia	EMC, RF, Telecom, SAR, Safety
Korea	EMI, EMS, RF, SAR, Telecom, Safety
Japan	EMI, RF/Wireless, SAR, Telecom
Singapore	EMC, RF, SAR, Telecom
Europe	EMC, RF, SAR, Telecom, Safety



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# 1. Report Revision History

Report No.	Report Version	Description	Issue Date
17071292-FCC-R	NONE	Original	December 08, 2017

# 2. Customer information

Applicant Name	Dongguan Lingjie Electronics & Technology Co., Ltd		
Analia ant Antol	Building A(Floor 1-4) and B(Floor 1-5), No. 16 Zhenxing North Road, Taiyuan		
Applicant Add	Community, Xiegang Town, Dongguan City, Guangdong Province, 523590, P.R.C		
Manufacturer	Dongguan Lingjie Electronics & Technology Co., Ltd		
Manufacturer Add	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		



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# 3. Test site information

#### Test Lab A:

Lab performing tests	SIEMIC (Shenzhen-China) LABORATORIES	
	Zone A, Floor 1, Building 2 Wan Ye Long Technology Park	
Lab Address	South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China	
	518108	
FCC Test Site No.	535293	
IC Test Site No.	4842E-1	
Test Software	Radiated Emission Program-To Shenzhen v2.0	

#### Test Lab B:

Lab performing tests	SIEMIC (Nanjing-China) Laboratories
I als Addus as	2-1 Longcang Avenue Yuhua Economic and
Lab Address	Technology Development Park, Nanjing, China
FCC Test Site No.	694825
IC Test Site No.	4842B-1
Test Software	EZ_EMC(ver.lcp-03A1)

Note: We just perform Radiated Spurious Emission above 18GHz in the test Lab. B.



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# 4. Equipment under Test (EUT) Information

Description of EUT:	Wireless Mouse
Main Model:	1886
Serial Model:	N/A
Date EUT received:	November 08
Test Date(s):	November 09 to December 07, 2017
Antenna Gain:	-1.0dBi
Antenna Type:	PCB antenna
Power:	94.19dBuV/m
Type of Modulation:	GFSK
RF Operating Frequency (ies):	2402.85-2480.85MHz
Number of Channels:	16CH
Input Power:	DC 1.5V
Trade Name :	FD
FCC ID:	2ANBUI886



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# 5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

FCC Rules	Description of Test	Result	
§15.203	Antenna Requirement	Compliance	
§15.207(a)	AC Line Conducted Emissions	N/A	
§15.205, §15.209,	Radiated Fundamental	O a mara li a mara	
§15.249(a), §15.249(d)	/ Radiated Spurious Emissions	Compliance	
§15.249(a)	Field Strength Measurement	Compliance	
§15.249©	20 dB Bandwidth	Compliance	
§15.249(d)	Band Edge	Compliance	

#### **Measurement Uncertainty**

Emissions			
Test Item Description Uncertain			
Band Edge and Radiated Spurious Emissions	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	+5.6dB/-4.5dB	
-	-	-	



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### 6. MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

### 6.1 Antenna Requirement

#### Standard Requirement:

According to § 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

#### **Antenna Connector Construction**

A permanently attached PCB antenna, the gain is -1.0dBi.

Test Result: Pass



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# 6.2 AC Line Conducted Emissions

Temperature	
Relative Humidity	
Atmospheric Pressure	
Test date :	
Tested By :	

Spec	Item Requirement Application				
§15.207	a)	For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 [mu]H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequencies ranges.			
		Frequency ranges	Limit (	dBµV)	
		(MHz)	QP	Average	
		0.15 ~ 0.5	66 – 56	56 – 46	
		0.5 ~ 5	56	46	
		5 ~ 30	60	50	
Test Setup	Vertical Ground Reference Plane  Bocm  Horizontal Ground Reference Plane  Note: 1.Support units were connected to second LISN.  2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm				
	from other units and other metal planes support units.				
Procedure	<ol> <li>The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table.</li> <li>The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.</li> <li>The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.</li> </ol>				connected to



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	4. All other supp	All other supporting equipment were powered separately from another main supply.		
	5. The EUT was	The EUT was switched on and allowed to warm up to its normal operating condition.		
	6. A scan was m	ade on the NEU	JTRAL line (for AC mains) or Earth line (for DC power)	
	over the requi	red frequency ra	ange using an EMI test receiver.	
	7. High peaks, re	elative to the lim	nit line, The EMI test receiver was then tuned to the	
	selected frequ	encies and the	necessary measurements made with a receiver	
	bandwidth set	ting of 10 kHz.		
	8. Step 7 was th	en repeated for	the LIVE line (for AC mains) or DC line (for DC power).	
Remark				
Result	Pass	☐ Fail	N/A	
Test Data	⁄es	✓ <sub>N/A</sub>		
Test Plot	'es (See below)	N/A		



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# 6.3 Radiated Spurious Emissions

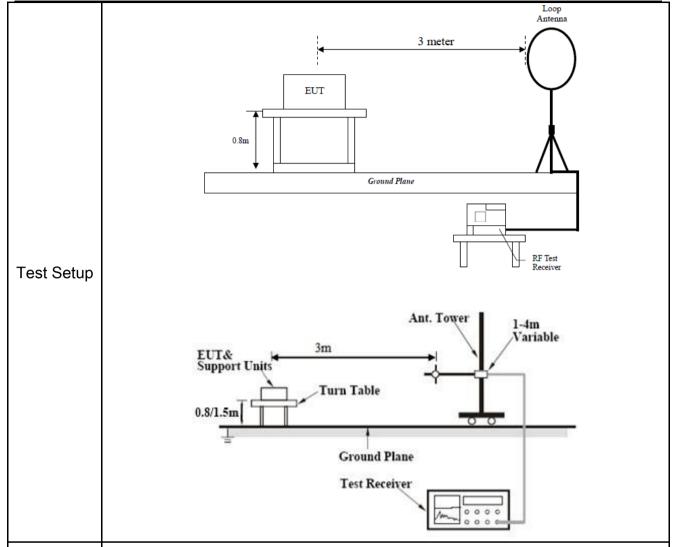
Temperature	23 °C
Relative Humidity	55%
Atmospheric Pressure	1012mbar
Test date :	December 04, 2017
Tested By:	Aaron Liang

### Requirement(s):

Spec	Req	Requirement						
	The emissions from the Low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges.  The field strength of emissions from intentional radiators operated within							
		e frequency bands shall comply with  Field streng  fundamental  frequency  (millivolts/m.		strength of Field strength of				
	9	902– 928 MHz 50			500			
§15.209,	240	0– 2483.5 MHz 50			500			
§15.205,	57	725– 5875 MHz	50		500		<b>V</b>	
§15.249(a) &		4.0- 24.25 GHz	250		2500			
§15.249(d)	(d) 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.							
		Frequency r	ange (MHz)	Fie	ld Strength (μV/m)			
		0.009~	-0.490	2400/F(KHz)				
		0.490~	1.705	24000/F(KHz)				
		1.705 <sup>-</sup>	~30.0	30				
		30 – 88		100				
		88 –		150				
		216		200				
		Above	e 960		500			



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- Setup the configuration according to figure 1. Turn on EUT and make sure that it is in normal function
- For emission frequencies measured below 1GHz, a pre-scan is performed in a shielded chamber to determine the accurate frequencies of higher emissions will be checked on a open test site. As the same purpose, for emission frequencies measured above 1GHZ, a pre-scan also be performed with a meter measuring distance before final test.

#### Procedure

- For emission frequencies measured below and above 1GHz, set the spectrum analyzer on a 100kHz and 1MHz resolution bandwidth respectively for each frequency measured in step 2.
- The search antenna is to be raised and lowered over a range from 1 to 4m in horizontally polarized orientation. Position the highness when the highest value is indicated on spectrum analyzer, the change the orientation of EUT on the test table over a range from 0 to 360°. With a speed as slow as possible, and keep the azimuth that highest emission is indicated on the spectrum analyzer.



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	Vary the an	Vary the antenna position again and record the highest value as a final reading.								
	- Repeat step	- Repeat step 4 until all frequencies need to be measured was complete.								
	- Repeat step	5 with search antenna in vertical polarized orientations.								
Remark										
Result	Pass	Fail								
Test Data	Yes	□ <sub>N/A</sub>								
Test Plot	Yes (See below)	□ <sub>N/A</sub>								



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#### **Test Result:**

Test Mode: Transmitting Mode

Frequency range: 9KHz - 30MHz

Freq.	Detection	Factor	Reading	Result	Limit@3m	Margin
(MHz)	value	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)
						>20
						>20

#### 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 (specific distance/test distance)(dB);

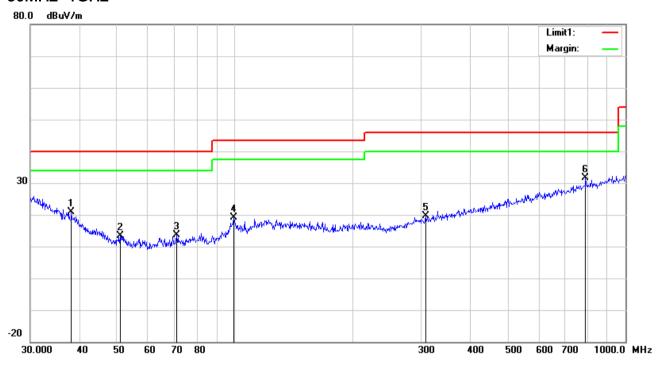
Limit line = specific limits(dBuv) + distance extrapolation factor.



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Test Mode: 2.4G Mode

#### 30MHz -1GHz



#### Test Data

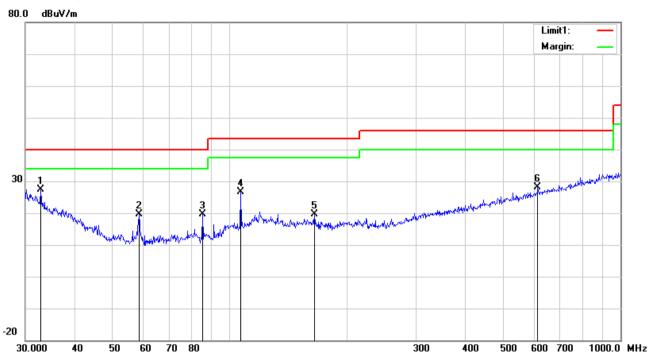
### Horizontal Polarity Plot @3m

	,											
No.	P/L	Frequency	Reading	Detect	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degr
				or								ee
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( )
1	Н	38.2120	27.12	peak	15.21	22.27	0.78	20.84	40.00	-19.16	100	135
2	Н	50.9420	26.58	peak	8.30	22.38	0.80	13.30	40.00	-26.70	200	277
3	Н	71.0803	27.14	peak	7.78	22.38	0.98	13.52	40.00	-26.48	100	296
4	Н	99.5281	30.02	peak	10.29	22.32	1.11	19.10	43.50	-24.40	100	345
5	Н	307.8313	26.26	peak	13.76	22.27	1.83	19.58	46.00	-26.42	100	188
6	Н	790.6188	28.55	peak	21.29	21.17	2.94	31.61	46.00	-14.39	100	331



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### 30MHz -1GHz



#### Test Data

### Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detect	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degr
		(MHz)	(dBuV/m)	or	(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	ee ( )
		, ,	, ,		` ,	, ,	, ,	,	,	, ,	. ,	
1	٧	32.8637	29.66	peak	19.19	22.26	0.70	27.29	40.00	-12.71	100	213
2	>	58.6126	33.83	peak	7.45	22.41	0.76	19.63	40.00	-20.37	100	257
3	٧	85.2981	33.06	peak	7.81	22.37	1.06	19.56	40.00	-20.44	100	260
4	٧	106.7587	36.24	peak	11.58	22.33	1.15	26.64	43.50	-16.86	100	147
5	V	164.9075	28.39	peak	12.21	22.27	1.38	19.71	43.50	-23.79	100	20
6	<b>V</b>	614.2142	27.82	peak	19.26	21.55	2.53	28.06	46.00	-17.94	100	108



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### Above 1GHz

Test Mode: 2.4G Mode

#### Low Channel: GFSK Mode (Worst Case) (2402.85 MHz)

Frequency (MHz)	S.A. Reading (dBµV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
4805.7	49.72	AV	V	33.39	7.22	48.46	41.87	54	-12.13
4805.7	42.3	AV	Н	33.39	7.22	48.46	34.45	54	-19.55
4805.7	67.72	PK	V	33.39	7.22	48.46	59.87	74	-14.13
4805.7	65.94	PK	Н	33.39	7.22	48.46	58.09	74	-15.91
11105	19.56	AV	V	40.17	10.03	46.2	23.56	54	-30.44
11105	18.22	AV	Н	40.17	10.03	46.2	22.22	54	-31.78
11105	38.79	PK	V	40.17	10.03	46.2	42.79	74	-31.21
11105	42.24	PK	Н	40.17	10.03	46.2	46.24	74	-27.76

#### Middle Channel: GFSK Mode (Worst Case) (2441.85 MHz)

Frequency (MHz)	S.A. Reading (dBµV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
4883.7	44.75	AV	V	33.62	7.53	48.36	37.54	54	-16.46
4883.7	47.53	AV	Н	33.62	7.53	48.36	40.32	54	-13.68
4883.7	67.37	PK	V	33.62	7.53	48.36	60.16	74	-13.84
4883.7	67.68	PK	Н	33.62	7.53	48.36	60.47	74	-13.53
13239	20.34	AV	V	41.18	14.46	46.8	29.18	54	-24.82
13239	20.99	AV	Н	41.18	14.46	46.8	29.83	54	-24.17
13239	37.06	PK	V	41.18	14.46	46.8	45.9	74	-28.1
13239	37.43	PK	Н	41.18	14.46	46.8	46.27	74	-27.73



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#### High Channel: GFSK Mode (Worst Case) (2480.85 MHz)

Frequency (MHz)	S.A. Reading (dBµV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
4961.7	46.94	AV	V	33.89	7.86	48.31	40.38	54	-13.62
4961.7	43.31	AV	Н	33.89	7.86	48.31	36.75	54	-17.25
4961.7	69.44	PK	V	33.89	7.86	48.31	62.88	74	-11.12
4961.7	69.64	PK	Н	33.89	7.86	48.31	63.08	74	-10.92
17826	18.91	AV	V	42.32	19.77	43.77	37.23	54	-16.77
17826	19.79	AV	Н	42.32	19.77	43.77	38.11	54	-15.89
17826	40.08	PK	V	42.32	19.77	43.77	58.4	74	-15.6
17826	41.75	PK	Н	42.32	19.77	43.77	60.07	74	-13.93

#### Note:

- 1, The testing has been conformed to 10\*2480.85MHz=24,808.5MHz
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.
- 4, The radiated spurious test above 18GHz is subcontracted to SIEMIC (Nanjing-China) Laboratories. and found 30dB below the limit at least.



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# 6.4 Field Strength Measurement

Temperature	23 °C
Relative Humidity	55%
Atmospheric Pressure	1012mbar
Test date :	December 04, 2017
Tested By :	Aaron Liang

### Requirement(s):

Spec	Requirement			Applicable	
§15.249(a)	Fundamental frequency	Field strength of fundamental (millivolts/ meter)	Field strength of harmonics (microvolts/ meter)	<b>V</b>	
	902–928 MHz 2400–2483.5 MHz 5725–5875 MHz 24.0–24.25 GHz	50 50 50 250	500 500 500 2500		
Test Setup	Spectrum Analyzer EUT				
	Emissions radiated outside of the specified frequency bands, except for				
Test	harmonics, shall be attenuated by at least 50 dB below the level of the				
Procedure	fundamental or to the general radiated emission limits in § 15.209,				
	whichever is the lesser attenuation.				
Remark					
Result	Pass				

Test Data	Yes	□ <sub>N/A</sub>
Test Plot	Yes (See below)	□ <sub>N/A</sub>



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Test Mode: 2.4G Mode

### Field Strength Measurement

P/L	Frequency	Reading Level	Correct Factor	Measureme nt	Limit	Over	Detector
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB/m)	(dB)	
Н	2402.85	112.29	-18.1	94.19	114	-19.81	peak
Н	2402.85	95.02	-18.1	76.92	94	-17.08	AVG
V	2402.85	107.33	-18.1	89.23	114	-24.77	peak
V	2402.85	93.3	-18.1	75.2	94	-18.8	AVG
Н	2441.85	95.43	-18.05	77.38	114	-36.62	peak
Н	2441.85	81.26	-18.05	63.21	94	-30.79	AVG
V	2441.85	103.4	-18.05	85.35	114	-28.65	peak
V	2441.85	88.25	-18.05	70.2	94	-23.8	AVG
Н	2480.85	93.53	-18.03	75.5	114	-38.5	peak
Н	2480.85	80.45	-18.03	62.42	94	-31.58	AVG
V	2480.85	101.8	-18.03	83.77	114	-30.23	peak
V	2480.85	86.18	-18.03	68.15	94	-25.85	AVG



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# 6.5 20dB Bandwidth Testing

Temperature	25 °C
Relative Humidity	54%
Atmospheric Pressure	1010mbar
Test date :	December 06, 2017
Tested By :	Aaron Liang

#### Requirement(s):

Requirement(s):			
Spec	Item	Requirement	Applicable
§15.215(c)	a)	Radiated Emissions Measurement Uncertainty All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 1GHz (3m & 10m) & 1GHz above (3m) is +5.6/-4.5dB.	
Test Setup		Spectrum Analyzer EUT	
Test Procedure	- -	-Check the calibration of the measuring instrument using internal calibrator or a known signal from an external ger Position the EUT on the test table without connection to measurement instrument. Turn on the EUT. Then set it to convenient frequency within its operating range. Set a relevel on the measuring instrument equal to the highest per Measure the frequency difference of two frequencies that attenuated 20 dB from the reference level. Record the free difference as the emission bandwidth.  Repeat above procedures until all frequencies measured complete.	nerator.  o any one ference eak value. t were equency
Remark			



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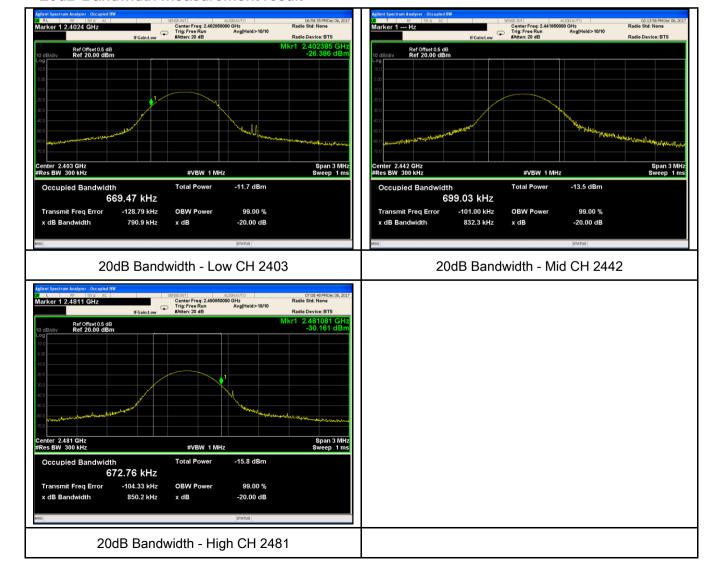
	Result	Pass	Fail
_	Test Data	Yes	□ <sub>N/A</sub>
	Test Plot	Yes (See below)	□ <sub>N/A</sub>

#### 20dB Bandwidth measurement result

СН	Fundamental Frequency (MHz)	20dB Bandwidth ( MHz )	Result
Low	2403	790.9	Pass
Mid	2442	832.3	Pass
High	2481	850.2	Pass

#### **Test Plots**

#### 20dB Bandwidth measurement result





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# 6.6 Band Edge

Temperature	23 °C
Relative Humidity	55%
Atmospheric Pressure	1012mbar
Test date :	December 04, 2017
Tested By :	Aaron Liang

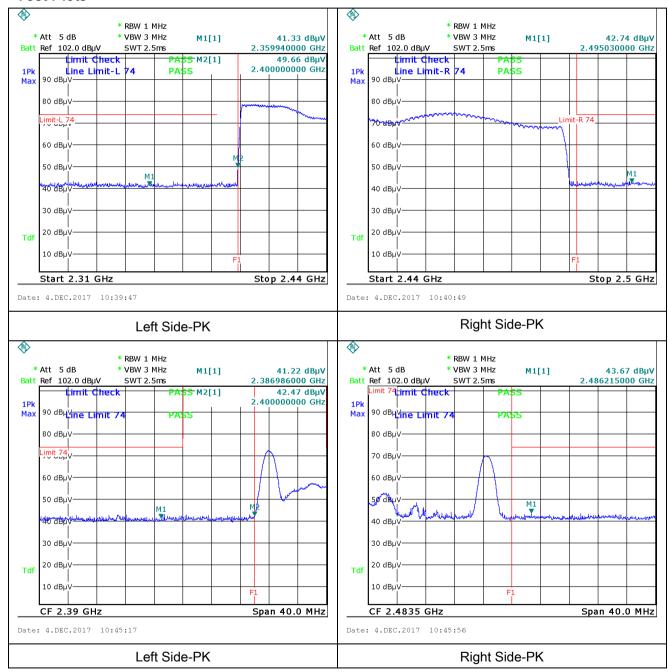
Spec	Item	Requirement	Applicable	
§15.249(d)	a)	Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.	<b>&gt;</b>	
Test Setup		Spectrum Analyzer EUT		
Test Procedure		<ul> <li>Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.</li> <li>Position the EUT without connection to measurement instrument. Put it on the Rotated table and turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.</li> <li>Set both RBW and VBW of spectrum analyzer to 1MHz.</li> <li>Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.</li> <li>Repeat above procedures until all measured frequencies were complete.</li> </ul>		
Remark				
Result	Pa	ss Fail		



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Test Data	Yes	□ <sub>N/A</sub>
Test Plot	Yes (See below)	□ <sub>N/A</sub>

#### **Test Plots**





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# Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
AC Line Conducted					
EMI test receiver	ESCS30	8471241027	09/15/2017	09/14/2018	~
Line Impedance	LI-125A	191106	09/23/2017	09/22/2018	~
Line Impedance	LI-125A	191107	09/23/2017	09/22/2018	~
ISN	ISN T800	34373	09/23/2017	09/22/2018	~
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/22/2017	09/21/2018	<u> </u>
Transient Limiter	LIT-153	531118	08/30/2017	08/29/2018	•
RF conducted test					
Agilent ESA-E SERIES	E4407B	MY45108319	09/15/2017	09/14/2018	~
Power Splitter	1#	1#	08/30/2017	08/29/2018	~
DC Power Supply	E3640A	MY40004013	09/15/2017	09/14/2018	~
Radiated Emissions					
EMI test receiver	ESL6	100262	09/15/2017	09/14/2018	~
Positioning Controller	UC3000	MF780208282	11/17/2017	11/16/2018	~
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	08/30/2017	08/29/2018	<b>T</b>
Active Antenna (9kHz-30MHz)	AL-130	121031	10/12/2017	10/11/2018	<u>&lt;</u>
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/23/2017	03/22/2018	<u>\</u>
Active Antenna (9kHz-30MHz)	AL-130	121031	10/12/2017	10/11/2018	<b>&gt;</b>
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/19/2017	09/18/2018	Z.
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/22/2017	09/21/2018	<b>\</b>
Universal Radio Communication Tester	CMU200	121393	09/23/2017	09/22/2018	<b>\</b>



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### Annex B. EUT And Test Setup Photographs

#### Annex B.i. Photograph: EUT External Photo



90 100 1 20 30 90 100 

**EUT - Rear View** 

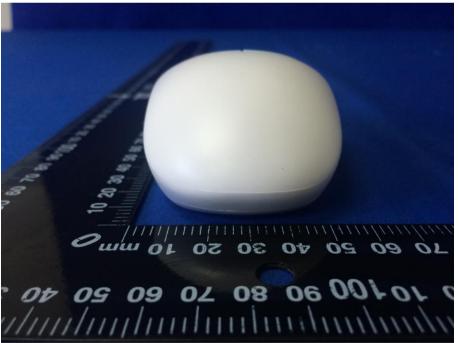


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EUT - Top View(keyboard)



EUT - Bottom View(keyboard)



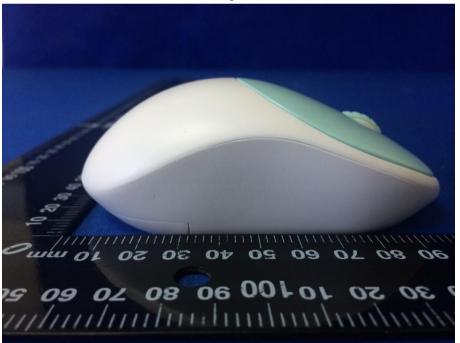


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EUT - Left View



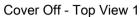
**EUT - Right View** 





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#### Annex B.ii. Photograph: EUT Internal Photo





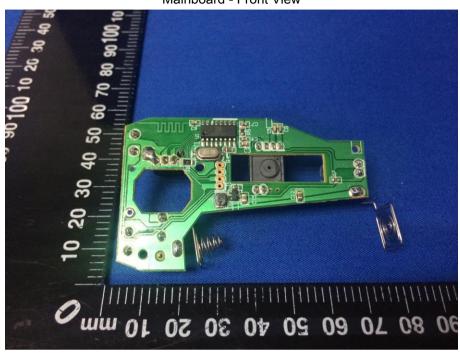
Cover Off - Top View 2



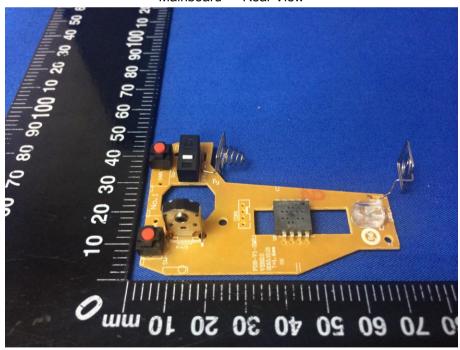


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Mainboard - Front View



Mainboard - Rear View





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#### Antenna View



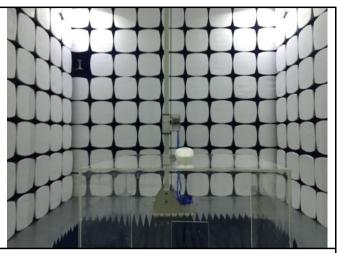


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### Annex B.iii. Photograph: Test Setup Photo



Radiated Spurious Emissions Test Setup Below 1GHz



Radiated Spurious Emissions Test Setup Above 1GHz



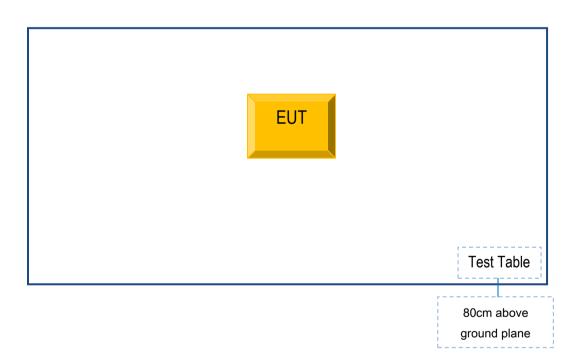
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# Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

### Annex C.ii. TEST SET UP BLOCK

Block Configuration Diagram for AC Line Conducted Emissions

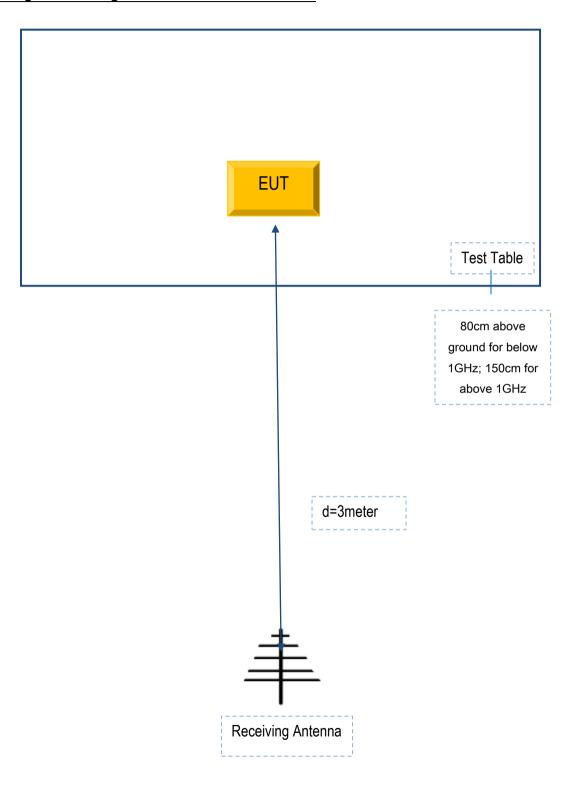






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### **Block Configuration Diagram for Radiated Emissions**





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### Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Manufacturer	Equipment Description	Model	Serial No.
N/A	N/A	N/A	N/A



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# Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see attachment



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# Annex E. DECLARATION OF SIMILARITY

N/A