RF TEST REPORT

Report No.: 18070022-FCC-R1-V1

Supersede Report No.: N/A

Applicant	Horizon Hobby, LLC
Product Name	Glimpse
Main Model	BLH2202
Serial Model	N/A
Test Standard	FCC Part 15.249: 2017; ANSI C63.10: 2013 IC RSSIC RSS-210; Issue 9 , August 2016; IC RSS-Gen : Issue 4 , November 2014 ; ANSIC 63.10:2013-210; Issue 9 , August 2016; IC RSS-Gen : Issue 4 , November 2014 ; ANSIC 63.10:2013
Test Date	January 05 to 26, 2018
Issue Date	February 09, 2018
Test Result	☑ Pass ☐ Fail
Equipment complied with the specification	☑
Equipment did not comply with the specification	☐

Aaron Liang	David Huang	
Aaron Liang Test Engineer	David Huang Checked By	

This test report may be reproduced in full only

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

Phone: +86 0755 2601 4629801 Email: China@siemic.com.cn

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

This page has been left blank intentionally.

CONTENTS

1. Report Revision History

Report No.	Report Version	Description	Issue Date
18070022-FCC-R1-V1	NONE	Original	February 09, 2018

2. Customer information

Applicant Name	Horizon Hobby, LLC
Applicant Add	4105 Fieldstone Road, Champaign, IL 61822, USA
Manufacturer	Yuneec International(China) Co., Ltd
Manufacturer Add	No.388 East Zhengwei Road, Jinxi Town, Kunshan, Jiangsu, 215324, China

3. Test site information

Test Lab A:

Lab performing tests	SIEMIC (Shenzhen-China) LABORATORIES
Lab Address	Zone A, Floor 1, Building 2 Wan Ye Long Technology Park 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
Lab Address	2-1 Longcang Avenue Yuhua Economic and Technology Development Park, Nanjing, China
FCC Test Site No.	694825
IC Test Site No.	4842B-1
Test Software	EZ_EMC(ver.Icp-03A1)

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

4. Equipment under Test (EUT) Information

Description of EUT:	Glimpse
Main Model:	BLH2202
Serial Model:	N/A
Date EUT received:	January 05, 2018
Test Date(s):	January 05 to 26, 2018
Antenna Gain:	2.4G: 1dBi WIFI(5745-5825MHz): 1dBi
Antenna Type:	Internal antenna
Power:	82.74dBuV/m
Type of Modulation:	2.4G: GFSK 802.11: OFDM(BPSK/QPSK/16QAM/64QAM/256QAM)
RF Operating Frequency (ies):	2.4G: 2404-2476 MHz 802.11a: 5745-5825 MHz； (TX/RX)
Number of Channels:	2.4G: 40CH WIFI : 24CH
Port:	Please refer to the user’ s manual
Input Power:	Battery Spec: 3.7V, 500mAh, 1.9Wh
Trade Name :	N/A
FCC ID:	BRWBLH2202MD

IC	6157A-BLH2202MD
Product HW/SW version:	A. Software: 1.0
Radio HW/SW version:	B. Software: 2.0
Test SW version:	1

5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

FCC/IC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207(a) / RSS-Gen 8.8	AC Line Conducted Emissions	N/A
§15.205, §15.209, §15.249(a), §15.249(d) / RSS-210 B.10	Radiated Fundamental / Radiated Spurious Emissions	Compliance
§15.249(a) / RSS-210 B.10	Field Strength Measurement	Compliance
§15.249©/ RSS-Gen 6.6	20 dB Bandwidth	Compliance
§15.249(d)/ RSS-210 B.10	Band Edge	Compliance

Measurement Uncertainty

Emissions		
Test Item	**Description**	**Uncertainty**
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
-	-	-

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

The EUT has 2 antennas:

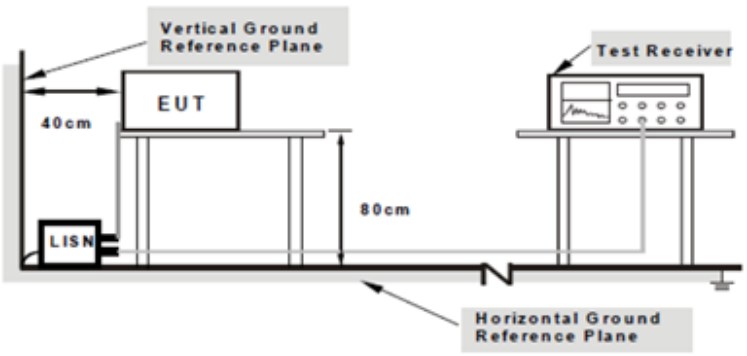
A permanently attached internal antenna for 2.4G the gain for 2.4G is 1dBi

A permanently attached internal antenna for 5.8G, the gain for 5.8G is 1dBi.

Test Result: Pass

6.2 AC Line Conducted Emissions

Temperature	---
Relative Humidity	---
Atmospheric Pressure	---
Test date :	---
Tested By :	---

<table>
<tr><th>Spec</th><th>Item</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>§15.207/
RSS-Gen
8.8</td><td>a)</td><td>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.
<table>
<tr><th rowspan="2">Frequency ranges (MHz)</th><th colspan="2">Limit (dBµV)</th></tr>
<tr><th>QP</th><th>Average</th></tr>
<tr><td>0.15 ~ 0.5</td><td>66 – 56</td><td>56 – 46</td></tr>
<tr><td>0.5 ~ 5</td><td>56</td><td>46</td></tr>
<tr><td>5 ~ 30</td><td>60</td><td>50</td></tr>
</table></td><td>☐</td></tr>
<tr><td>Test Setup</td><td colspan="3"> 

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.</td></tr>
<tr><td>Procedure</td><td colspan="3">1. 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.
2. The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains.
3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.</td></tr>
</table>

	4. All other supporting equipment were powered separately from another main supply. 5. The EUT was switched on and allowed to warm up to its normal operating condition. 6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver. 7. High peaks, relative to the limit line, The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10 kHz. 8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power).
Remark	Note: The EUT is powered by battery, so it is no need to test against this item.
Result	☐ Pass ☐ Fail ☑ N/A

Test Data ☐ Yes ☑ N/A

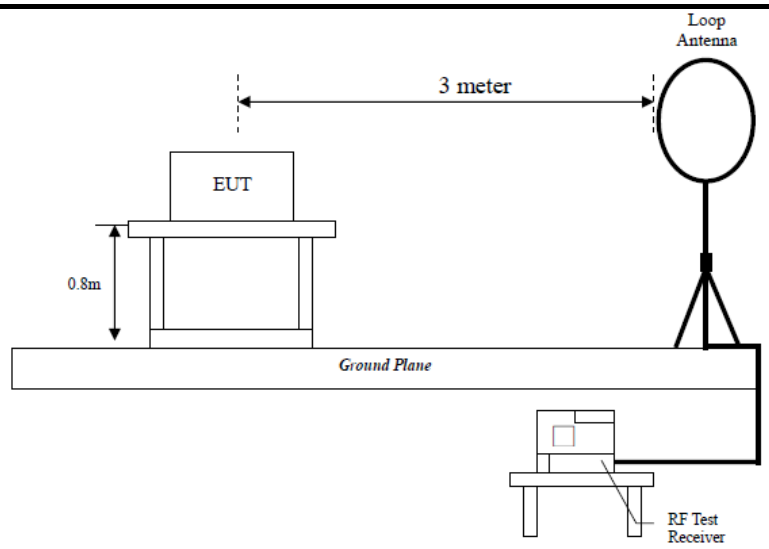
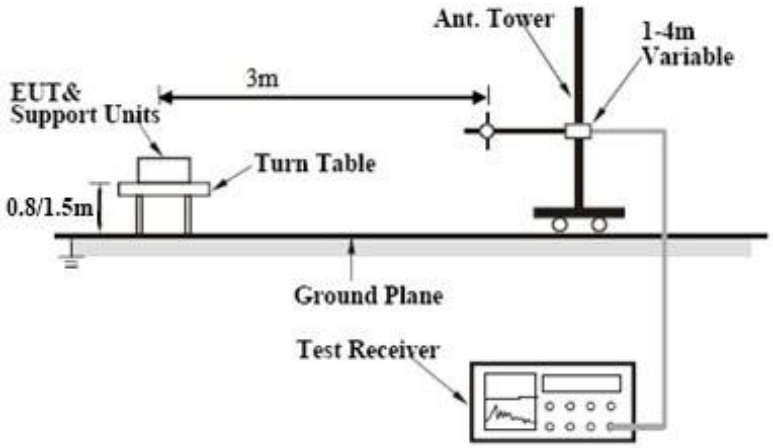
Test Plot ☐ Yes (See below) ☑ N/A

6.3 Radiated Spurious Emissions

Temperature	25℃
Relative Humidity	55%
Atmospheric Pressure	1017mbar
Test date :	January 23, 2018
Tested By :	Aaron Liang

Requirement(s):

<table>
<tr><th>Spec</th><th>Requirement</th><th>Applicable</th></tr>
<tr><td>§15.209, §15.205, §15.249(a) & §15.249(d) / RSS-210 B.10</td><td>
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 these frequency bands shall comply with the following:
<table>
<tr><th>Fundamental frequency</th><th>Field strength of fundamental (millivolts/meter)</th><th>Field strength of harmonics (microvolts/meter)</th></tr>
<tr><td>902– 928 MHz</td><td>50</td><td>500</td></tr>
<tr><td>2400– 2483.5 MHz</td><td>50</td><td>500</td></tr>
<tr><td>5725– 5875 MHz</td><td>50</td><td>500</td></tr>
<tr><td>24.0– 24.25 GHz</td><td>250</td><td>2500</td></tr>
</table>
(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.
<table>
<tr><th>Frequency range (MHz)</th><th>Field Strength (μV/m)</th></tr>
<tr><td>0.009~0.490</td><td>2400/F(KHz)</td></tr>
<tr><td>0.490~1.705</td><td>24000/F(KHz)</td></tr>
<tr><td>1.705~30.0</td><td>30</td></tr>
<tr><td>30 – 88</td><td>100</td></tr>
<tr><td>88 – 216</td><td>150</td></tr>
<tr><td>216 960</td><td>200</td></tr>
<tr><td>Above 960</td><td>500</td></tr>
</table>
</td><td>☑</td></tr>
</table>

Test Setup	 
Procedure	- 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. - 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.

	Vary the antenna position again and record the highest value as a final reading. - Repeat step 4 until all frequencies need to be measured was complete. - Repeat step5 with search antenna in vertical polarized orientations.
Remark	
Result	☑ Pass ☐ Fail

Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

Test Result:

Test Mode:	Transmitting Mode

Frequency range: 9KHz - 30MHz

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

Note:

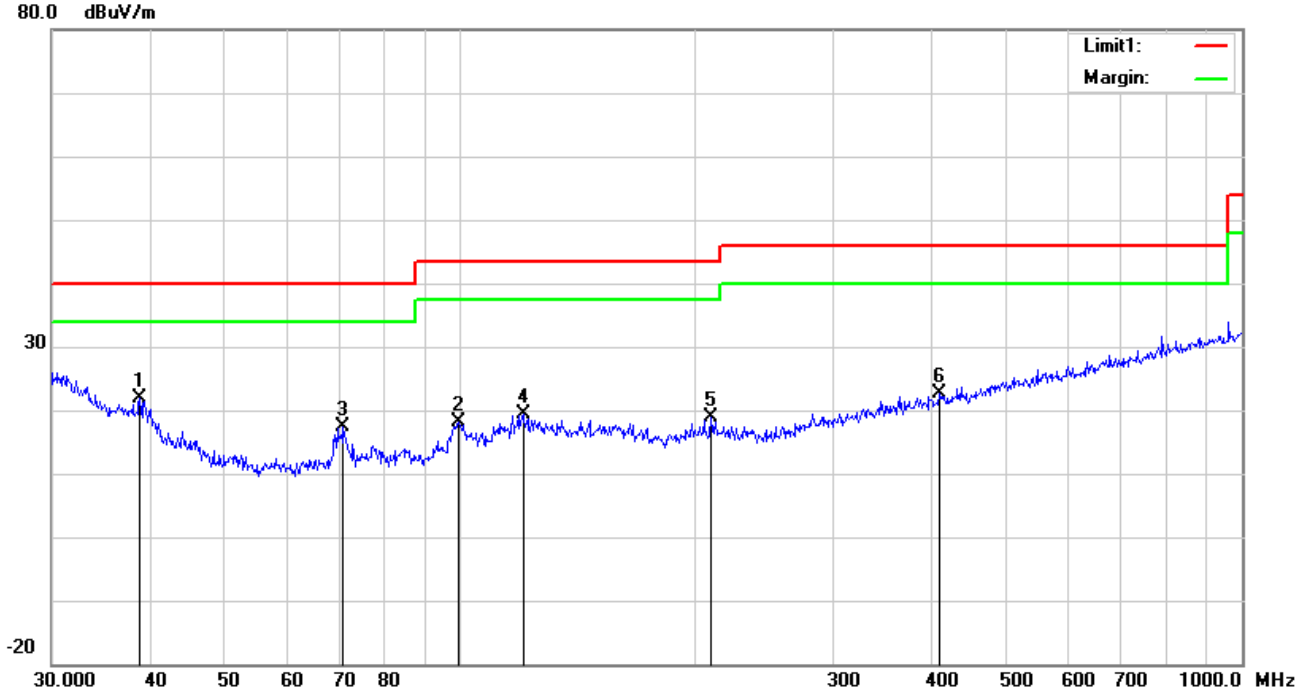
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

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

Test Mode:	2.4G Mode

30MHz -1GHz

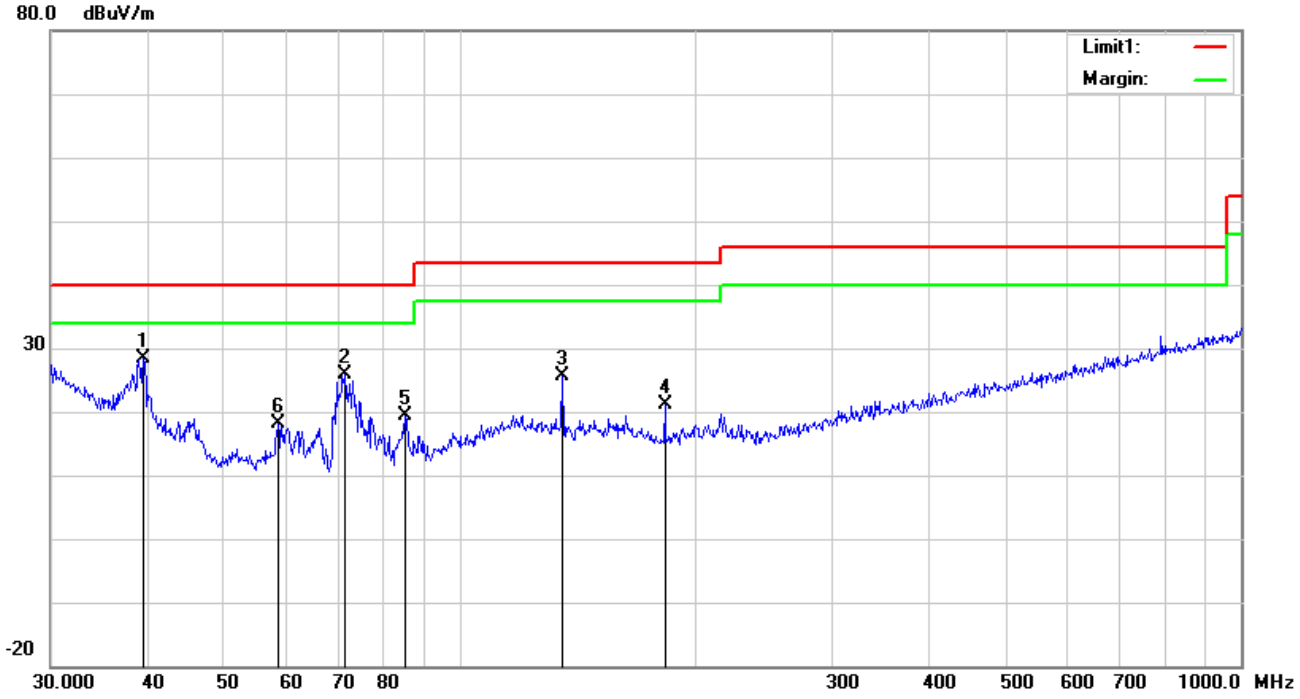


Test Data

Vertical Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	( )
1	H	38.8879	28.62	peak	14.71	22.27	0.78	21.84	40.00	-18.16	100	35
2	H	99.5281	29.15	peak	10.29	22.32	1.11	18.23	43.50	-25.27	100	282
3	H	70.8315	30.98	peak	7.78	22.38	0.98	17.36	40.00	-22.64	100	144
4	H	120.2766	26.64	peak	13.88	22.36	1.16	19.32	43.50	-24.18	100	355
5	H	209.3129	27.71	peak	11.97	22.36	1.57	18.89	43.50	-24.61	100	75
6	H	410.3825	26.76	peak	15.91	21.99	2.03	22.71	46.00	-23.29	100	17

30MHz -1GHz



Test Data

Horizontal Polarity Plot @3m

No.	P/L	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
		(MHz)	(dBuV/m)		(dB/m)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)
1	V	39.4372	35.48	peak	14.31	22.28	0.79	28.30	40.00	-11.70	100	11
2	V	71.3300	39.61	peak	7.77	22.39	0.97	25.96	40.00	-14.04	100	33
3	V	135.5062	33.81	peak	12.89	22.40	1.24	25.54	43.50	-17.96	100	115
4	V	183.2005	30.90	peak	11.18	22.27	1.42	21.23	43.50	-22.27	100	289
5	V	85.2981	32.84	peak	7.81	22.37	1.06	19.34	40.00	-20.66	100	93
6	V	58.6126	32.21	peak	7.45	22.41	0.76	18.01	40.00	-21.99	100	130

Above 1GHz

Test Mode:	2.4G Mode

Low Channel (2404 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)
4808	46.18	AV	V	33.39	7.22	48.46	38.33	54	-15.67
4808	47.02	AV	H	33.39	7.22	48.46	39.17	54	-14.83
4808	70.51	PK	V	33.39	7.22	48.46	62.66	74	-11.34
4808	62.48	PK	H	33.39	7.22	48.46	54.63	74	-19.37
7361	38.32	AV	V	37.07	7.9	48.99	34.3	54	-19.7
7361	35.5	AV	H	37.07	7.9	48.99	31.48	54	-22.52
7361	57.91	PK	V	37.07	7.9	48.99	53.89	74	-20.11
7361	57.99	PK	H	37.07	7.9	48.99	53.97	74	-20.03

Middle Channel (2440 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)
4880	48.71	AV	V	33.62	7.53	48.36	41.5	54	-12.5
4880	42.86	AV	H	33.62	7.53	48.36	35.65	54	-18.35
4880	67.7	PK	V	33.62	7.53	48.36	60.49	74	-13.51
4880	66.3	PK	H	33.62	7.53	48.36	59.09	74	-14.91
12774	26.45	AV	V	40.81	13.44	46.01	34.69	54	-19.31
12774	25.44	AV	H	40.81	13.44	46.01	33.68	54	-20.32
12774	44.1	PK	V	40.81	13.44	46.01	52.34	74	-21.66
12774	45.43	PK	H	40.81	13.44	46.01	53.67	74	-20.33

High Channel (2476 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)
4952	43.56	AV	V	33.74	7.78	48.34	36.74	54	-17.26
4952	49.53	AV	H	33.74	7.78	48.34	42.71	54	-11.29
4952	65.37	PK	V	33.74	7.78	48.34	58.55	74	-15.45
4952	66.03	PK	H	33.74	7.78	48.34	59.21	74	-14.79
17914	26.46	AV	V	43.06	19.4	44.29	44.63	54	-9.37
17914	23.95	AV	H	43.06	19.4	44.29	42.12	54	-11.88
17914	45.31	PK	V	43.06	19.4	44.29	63.48	74	-10.52
17914	46.23	PK	H	43.06	19.4	44.29	64.4	74	-9.6

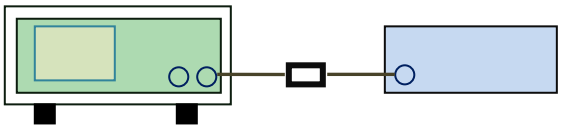
Note:

*1, The testing has been conformed to 10*2476MHz=24,760MHz*
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.

6.4 Field Strength Measurement

Temperature	25℃
Relative Humidity	55%
Atmospheric Pressure	1017mbar
Test date :	January 23, 2018
Tested By :	Aaron Liang

Requirement(s):

Spec	Requirement	Applicable
§15.249(a)/ RSS-210 B.10	Fundamental frequency / Field strength of fundamental (millivolts/meter) / Field strength of harmonics (microvolts/meter) 902–928 MHz ..... 50 500 2400–2483.5 MHz ..... 50 500 5725–5875 MHz ..... 50 500 24.0–24.25 GHz 250 2500	☑
Test Setup	 Spectrum Analyzer EUT	
Test Procedure	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.	
Remark		
Result	☑ Pass ☐ Fail	

Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

Test Mode:	2.4G Mode

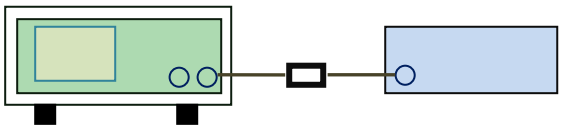
Field Strength Measurement

P/L	Frequency	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB/m)	(dB)	
H	2404	94.94	-12.2	82.74	114	-31.26	peak
H	2404	82.35	-12.2	70.15	94	-23.85	AVG
V	2404	92.44	-12.2	80.24	114	-33.76	peak
V	2404	82.2	-12.2	70.00	94	-24.00	AVG
H	2440	93.12	-12.09	81.03	114	-32.97	peak
H	2440	82.48	-12.09	70.39	94	-23.61	AVG
V	2440	92.22	-12.09	80.13	114	-33.87	peak
V	2440	84.59	-12.09	72.50	94	-21.50	AVG
H	2476	92.94	-11.98	80.96	114	-33.04	peak
H	2476	83.22	-11.98	71.24	94	-22.76	AVG
V	2476	94.51	-11.98	82.53	114	-31.47	peak
V	2476	81.72	-11.98	69.74	94	-24.26	AVG

6.5 20dB Bandwidth Testing

Temperature	25℃
Relative Humidity	55%
Atmospheric Pressure	1017mbar
Test date :	January 23, 2018
Tested By :	Aaron Liang

Requirement(s):

Spec	Item	Requirement	Applicable
§15.215(c) / RSS-Gen 6.6	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			
Test Procedure	- -Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator. - Position the EUT on the test table without connection to measurement instrument. Turn on the EUT. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value. - Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth. - Repeat above procedures until all frequencies measured were complete.		
Remark			

Result	☑ Pass	☐ Fail

Test Data ☑ Yes ☐ N/A

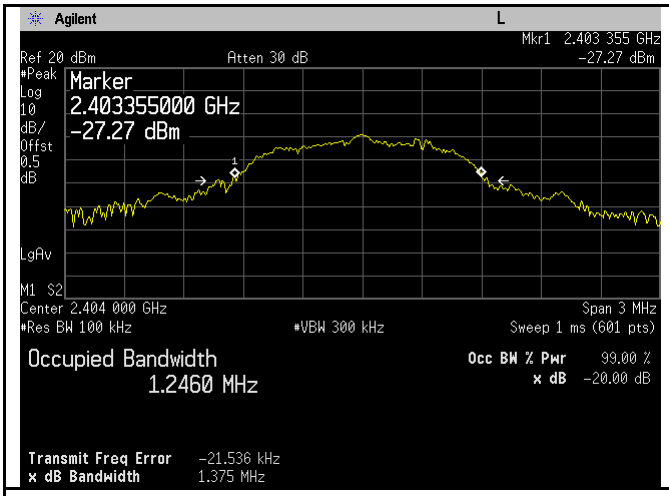
Test Plot ☑ Yes (See below) ☐ N/A

20dB Bandwidth measurement result

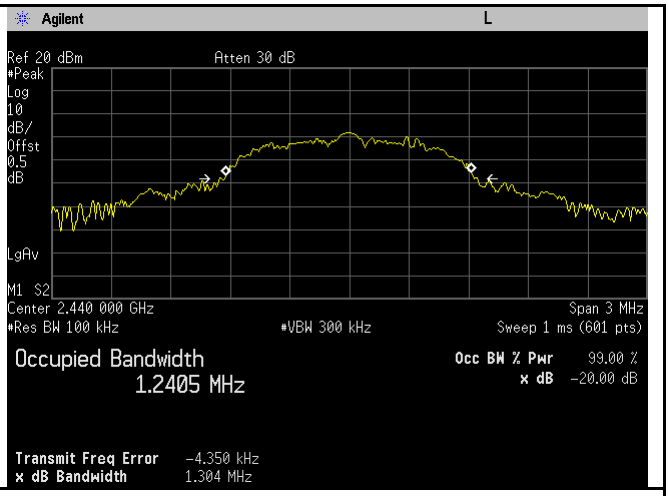
CH	Fundamental Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)	Result
Low	2404	1.375	1.2460	Pass
Middle	2440	1.304	1.2405	Pass
High	2476	1.397	1.3005	Pass

Test Plots

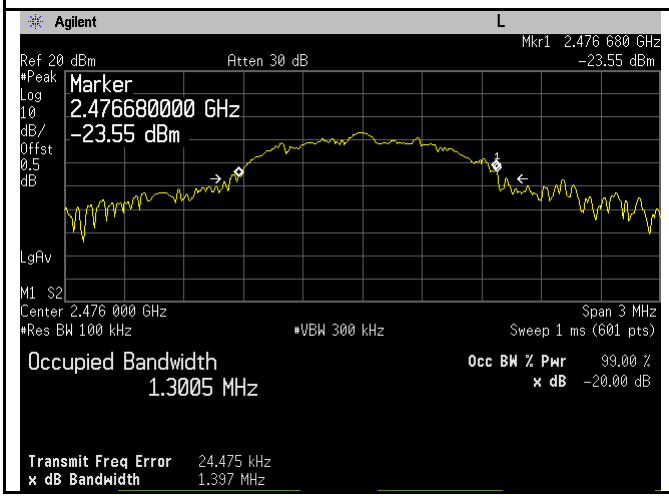
20dB Bandwidth measurement result



20dB Bandwidth - Low CH 2404



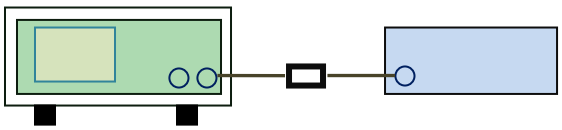
20dB Bandwidth - Middle CH 2440



20dB Bandwidth - High CH 2476	

6.6 Band Edge

Temperature	25℃
Relative Humidity	55%
Atmospheric Pressure	1017mbar
Test date :	January 23, 2018
Tested By :	Aaron Liang

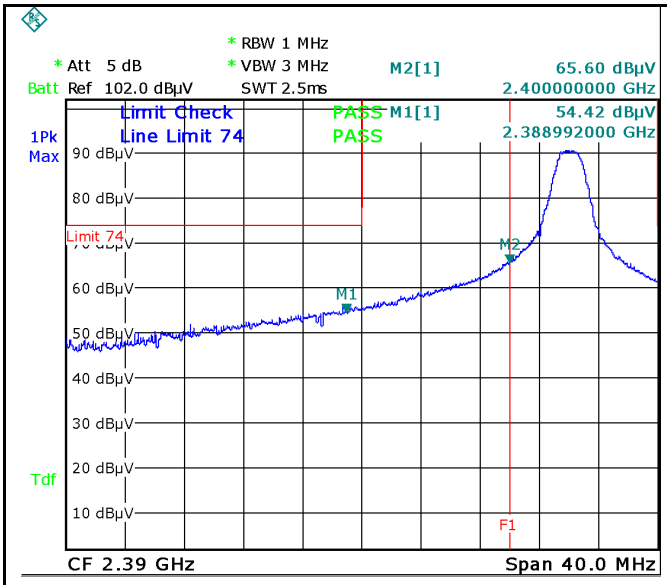
Spec	Item	Requirement	Applicable
§15.249(d)/ RSS-210 B.10	a)	Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.	☑
Test Setup	 Spectrum Analyzer EUT		
Test Procedure	- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator. - 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. - Set both RBW and VBW of spectrum analyzer to 1MHz. - 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. - Repeat above procedures until all measured frequencies were complete.		
Remark			
Result	☑ Pass ☐ Fail		

Test Data ☑ Yes ☐ N/A

Test Plot ☑ Yes (See below) ☐ N/A

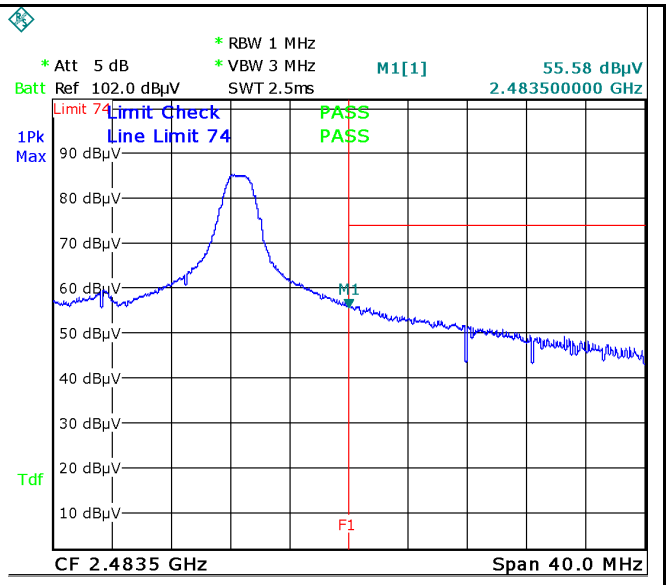
Test Plots

Band Edge measurement result



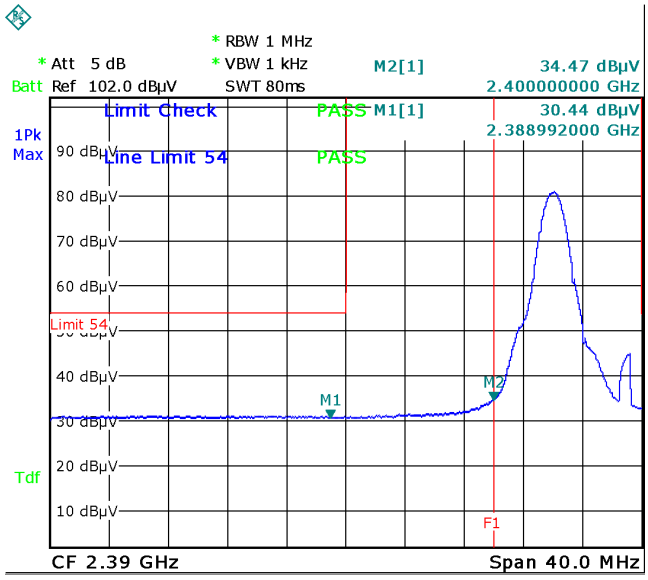
Band Edge, Left Side (Peak)

Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz

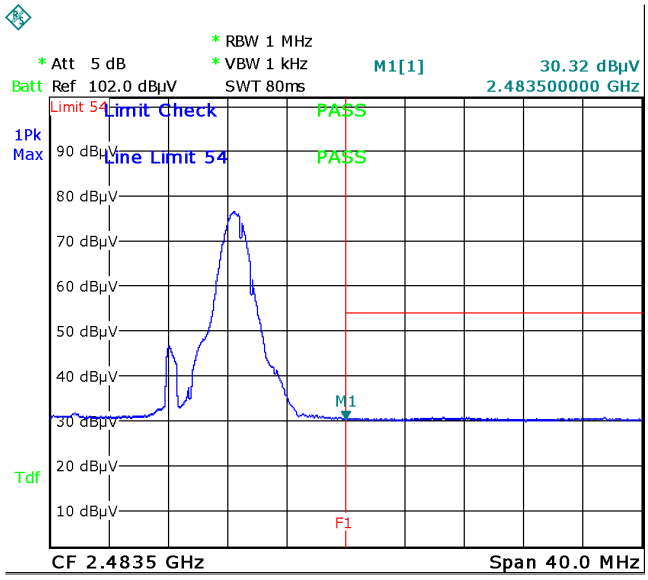


Band Edge, Right Side (Peak)

Note: F1 is frequency 2483.5MHz



Band Edge, Left Side-AV



Band Edge, Right Side-AV

Note: Both Horizontal and vertical polarities were investigated.

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	☑
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	☑
Active Antenna (9kHz-30MHz)	AL-130	121031	10/12/2017	10/11/2018	☑
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/23/2017	03/22/2018	☑
Active Antenna (9kHz-30MHz)	AL-130	121031	10/12/2017	10/11/2018	☑
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/19/2017	09/18/2018	☑
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/22/2017	09/21/2018	☑
Universal Radio Communication Tester	CMU200	121393	09/23/2017	09/22/2018	☑

Annex B. EUT And Test Setup Photographs

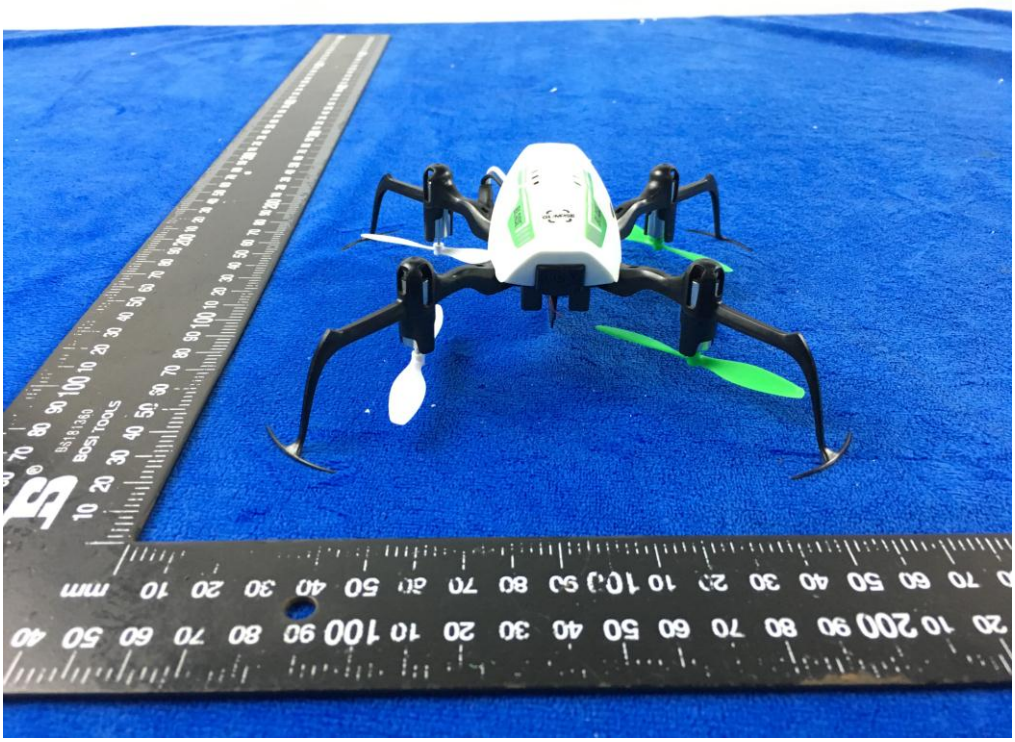
Annex B.i. Photograph: EUT External Photo

Whole package View

EUT - Front View

EUT - Rear View

EUT - Top View



EUT - Bottom View

EUT - Left View

EUT - Right View

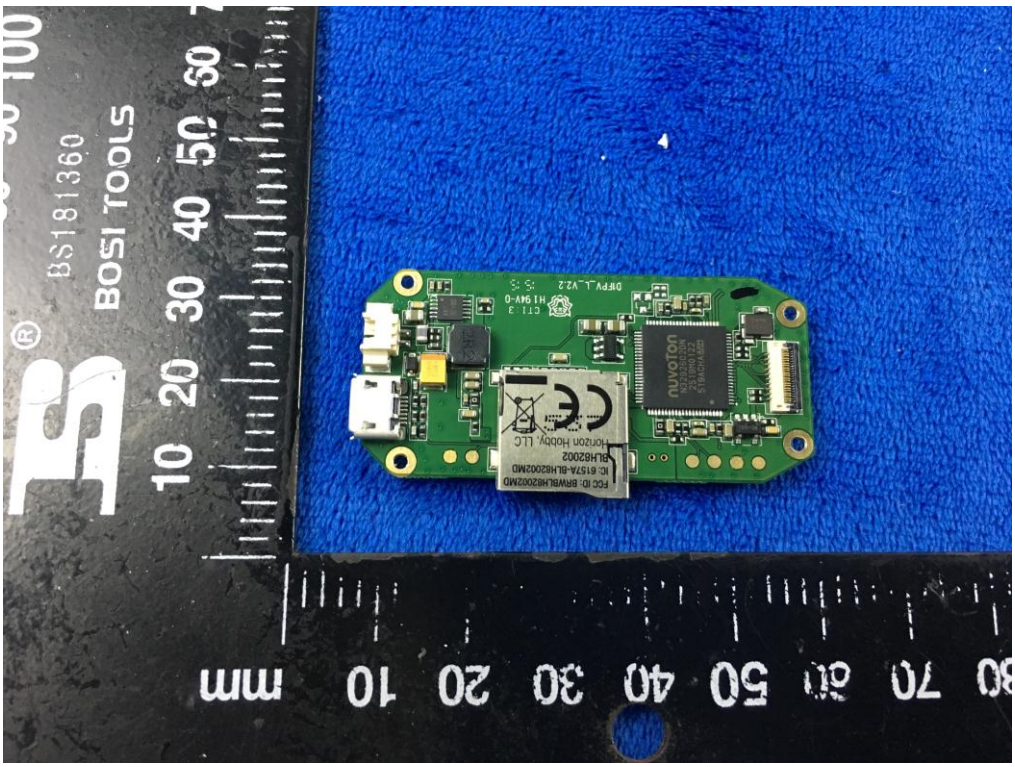
Annex B.ii. Photograph: EUT Internal Photo

Cover Off - Top View

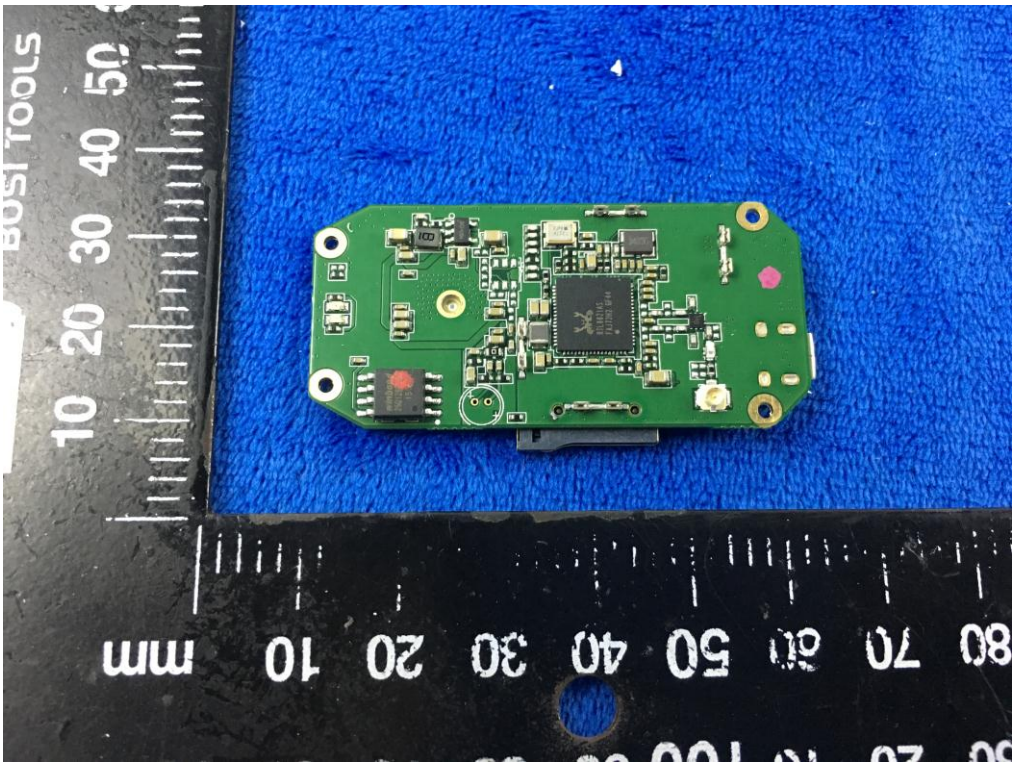
Battery - Front View

Battery - Rear View

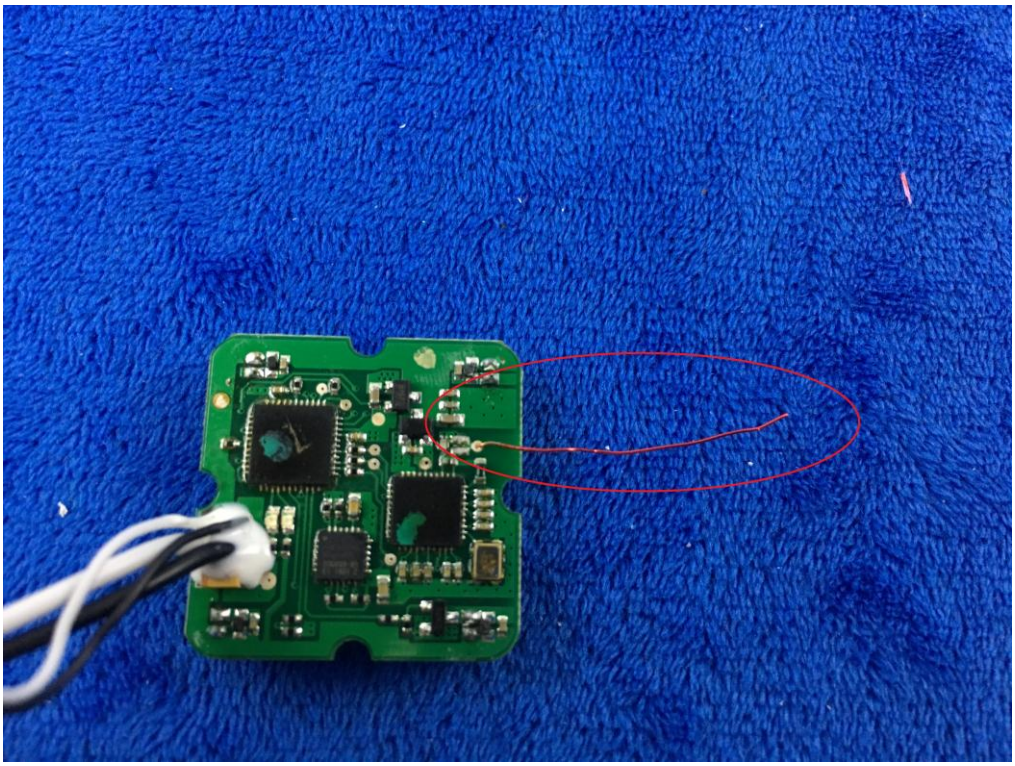
Mainboard - Front View



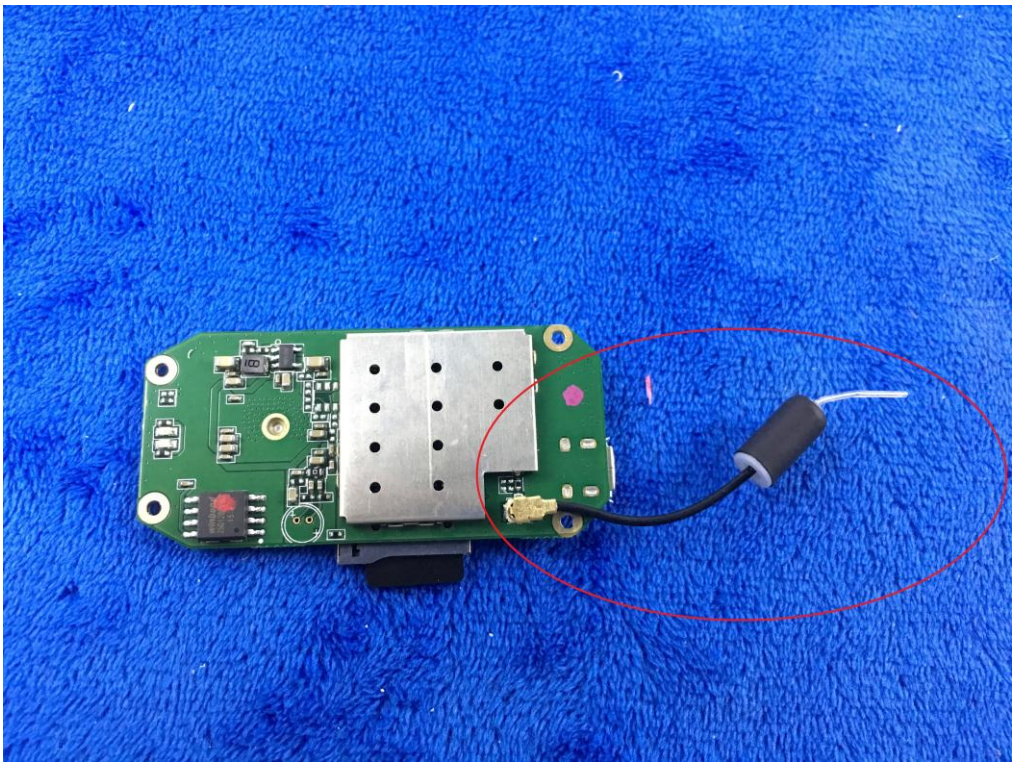
Mainboard - Rear View



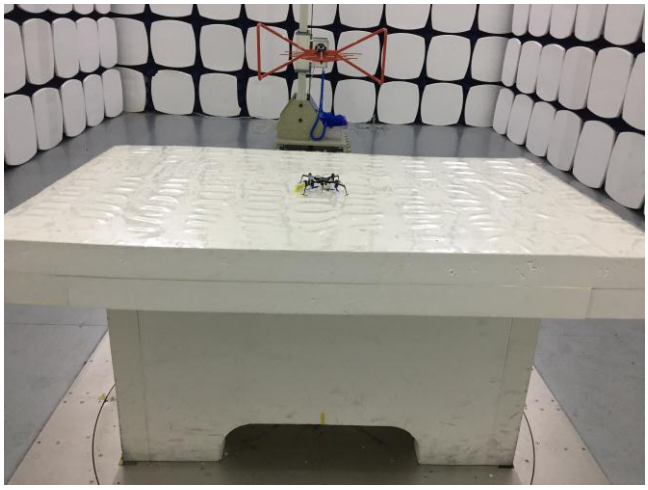
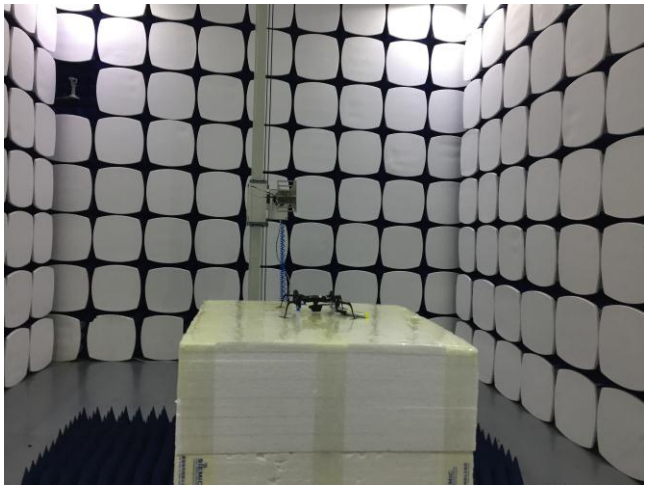
2.4G - Antenna View



5.8G - Antenna View



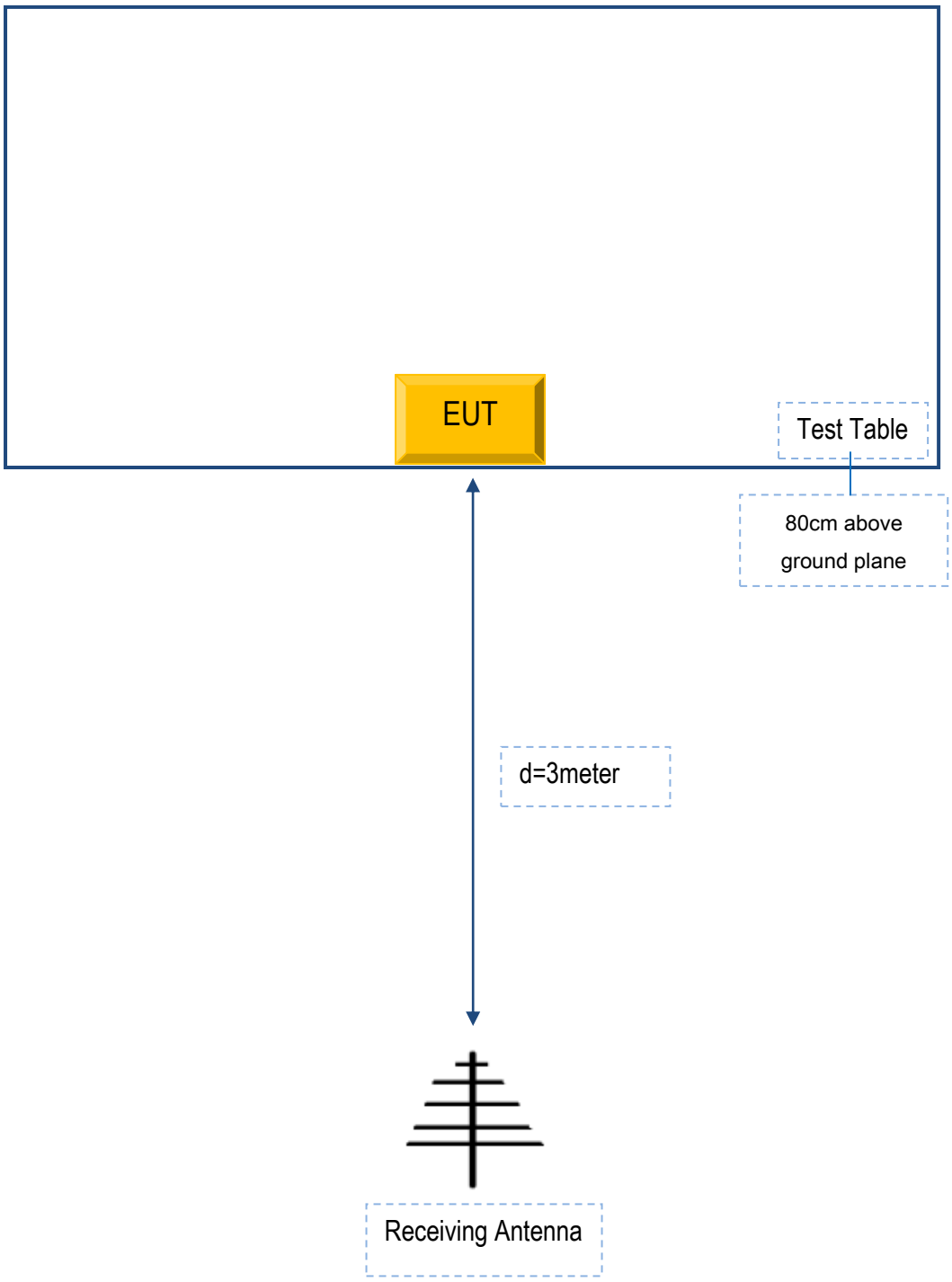
Annex B.iii. Photograph: Test Setup Photo

	
Radiated Spurious Emissions Test Setup Below 1GHz	Radiated Spurious Emissions Test Setup Above 1GHz

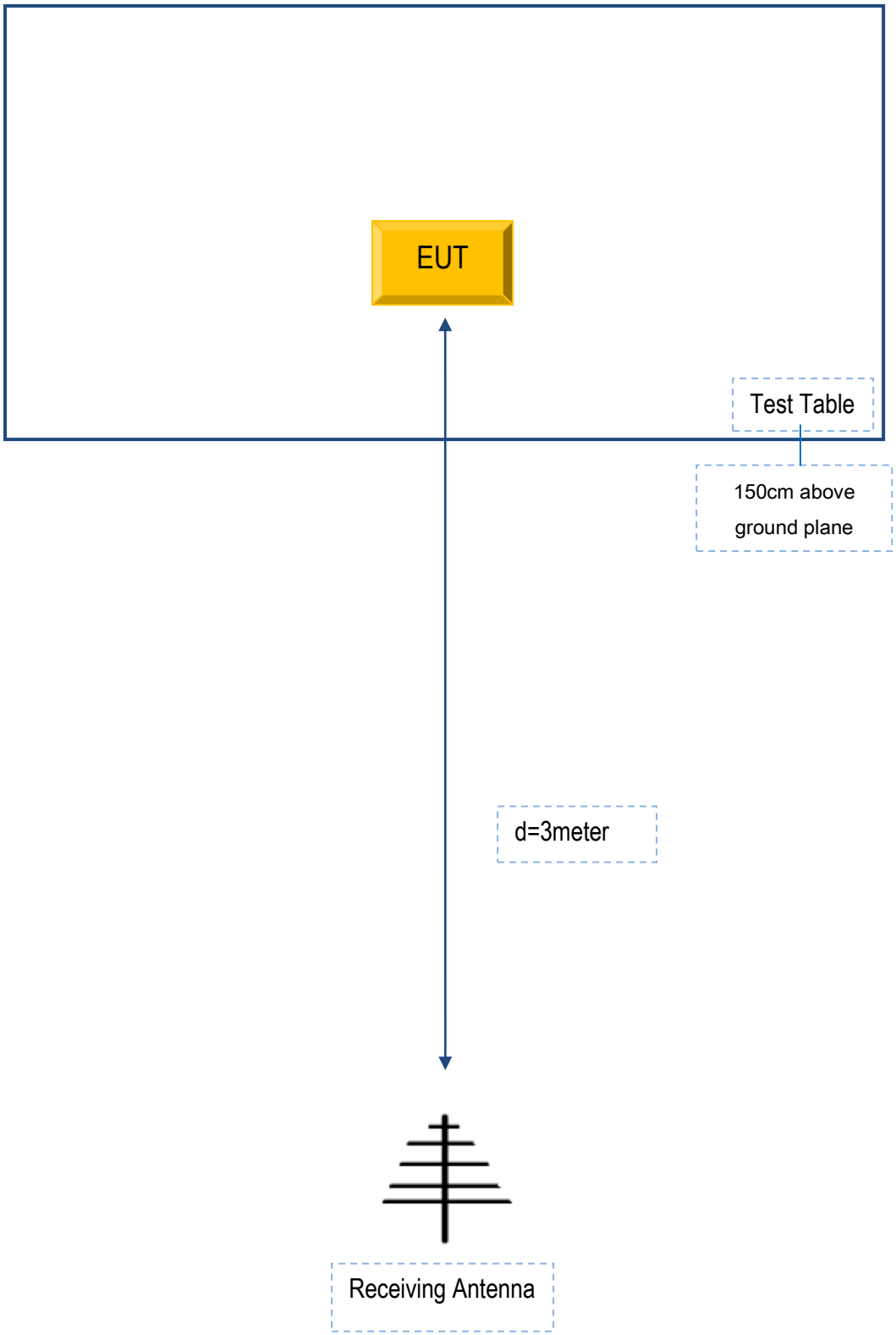
Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

Block Configuration Diagram for Radiated Emissions (Below 1GHz) .



Block Configuration Diagram for Radiated Emissions （Above 1GHz）.



Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

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

Supporting Equipment:

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

Supporting Cable:

Cable type	Shield Type	Ferrite Core	Length	Serial No
N/A	N/A	N/A	N/A	N/A

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

Please see attachment

Annex E. DECLARATION OF SIMILARITY

N/A