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Report Template Version: V03
Report Template Revision Date: Mar.1st, 2017

# **FCC Test Report**

**Report No.:** CQASZ171001521EW-01

**Applicant:** SHENZHEN HUBSAN TECHNOLOGY CO., LTD.

Address of Applicant: 13th Floor, Bldg 1C, Shenzhen Software Industry Base, Xuefu Road, Nanshan

District, Shenzhen, China. 518054

Manufacturer: SHENZHEN HUBSAN TECHNOLOGY CO., LTD.

**Address of** 13th Floor, Bldg 1C, Shenzhen Software Industry Base, Xuefu Road, Nanshan

Manufacturer: District, Shenzhen, China. 518054

Factory: Dongguan Tengsheng Industrial Co., Ltd.

Address of Factory: A22# Luyi Street, Tianxin Village, Tangxia Town, Dongguan, China.

**Equipment Under Test (EUT):** 

Product: Hubsan Bluetooth Transmitter

Model No.: HT009
Brand Name: HUBSAN

**FCC ID**: 2AN75-T009TX

 Standards:
 47 CFR Part 15, Subpart C

 Date of Test:
 2018-01-08 to 2018-01-11

Date of Issue: 2018-01-11
Test Result: PASS\*

Tested By:

(Aaron Ma)

Reviewed By: XLEN Zho

( Owen Zhou)

Approved By:

华夏准测 APPROVED\*

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.





# 2 Version

### **Revision History Of Report**

Report No.	Version	Description	Issue Date
CQASZ171001521EW-01	Rev.01	Initial report	2018-01-11



# 3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203/15.247 (c)	ANSI C63.10 2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 2013	N/A
Conducted Peak Output Power	47 CFR Part 15, Subpart C Section 15.247 (b)(3)	ANSI C63.10 2013	PASS
6dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.247 (a)(2)	ANSI C63.10 2013	PASS
Power Spectral Density	47 CFR Part 15, Subpart C Section 15.247 (e)	ANSI C63.10 2013	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	ANSI C63.10 2013	PASS
RF Conducted Spurious Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	ANSI C63.10 2013	PASS
Radiated Spurious Emissions	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2013 PASS	

N/A: Not Applicable, This EUT is battery power



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## **5** General Information

### **5.1 Client Information**

Applicant:	SHENZHEN HUBSAN TECHNOLOGY CO., LTD.
Address of Applicant:	13th Floor, Bldg 1C, Shenzhen Software Industry Base, Xuefu Road, Nanshan District, Shenzhen, China. 518054
Manufacturer:	SHENZHEN HUBSAN TECHNOLOGY CO., LTD.
Address of Manufacturer:	13th Floor, Bldg 1C, Shenzhen Software Industry Base, Xuefu Road, Nanshan District, Shenzhen, China. 518054
Factory:	Dongguan Tengsheng Industrial Co., Ltd.
Address of Factory:	A22# Luyi Street, Tianxin Village, Tangxia Town, Dongguan, China.

## 5.2 General Description of EUT

Product Name:	Hubsan Bluetooth Transmitter
Model No.:	HT009
Trade Mark:	HUBSAN
Hardware Version:	EA4000139-02
Software Version:	HT009-V1.1.5
Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	V4.0 BLE
Modulation Type:	GFSK
Number of Channel:	40
Sample Type:	Portable production
Test Software of EUT:	Beken BLE RF Test_v1.0
Antenna Type:	PCB Antenna
Antenna Gain:	0dBi
EUT Power Supply:	Battery: 4 x 1.5 AAA, DC6V



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Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

#### Note

In section 15.31(m), regards to the operating frequency range over 10 MHz, the lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency	
The lowest channel (CH0)	2402MHz	
The middle channel (CH19)	2440MHz	
The highest channel (CH39)	2480MHz	



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#### 5.3 Test Environment

Operating Environment:	Operating Environment:				
Temperature:	25.0 °C				
Humidity:	53 % RH				
Atmospheric Pressure:	1010mbar				
Test Mode:	Use test software (Beken BLE RF Test_v1.0) to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.				
Note: In the process of transmitting of EUT, the duty cycle >98%.					

### 5.4 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	Remark	FCC certification
Battery	NANFU	AAA	Provided by lab	/

### 5.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for **CQA** laboratory is reported:

Test	Range	Uncertainty	Notes
Radiated Emission	Below 1GHz	±5.12dB	(1)
Radiated Emission	Above 1GHz	±4.60dB	(1)
Conducted Disturbance	0.15~30MHz	±3.34dB	(1)

<sup>(1)</sup>This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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#### 5.6 Test Location

Shenzhen Huaxia Testing Technology Co., Ltd.,

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

#### 5.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### • CNAS (No. CNAS L5785)

CNAS has accredited Shenzhen Huaxia Testing Technology Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

#### • ISED Registration No.: 22984-1

The 3m Semi-anechoic chamber of Shenzhen Huaxia Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

#### • A2LA (Certificate No. 4742.01)

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

#### • FCC Registration No.: 522263

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

#### 5.8 Deviation from Standards

None.

#### 5.9 Abnormalities from Standard Conditions

None.

### 5.10 Other Information Requested by the Customer

None.





# **5.11 Equipment List**

Item	Test Equipment	Manufacturer	Model No.	Instrument	Calibration
				110.	Due Date
1	EMI Test Receiver	R&S	ESR7	CQA-005	2018/9/24
2	Spectrum analyzer	R&S	FSU26	CQA-038	2018/9/24
3	Preamplifier	MITEQ	AFS4- 00010300-18- 10P-4	CQA-035	2018/9/24
4	Preamplifier	MITEQ	AMF-6D- 02001800-29- 20P	CQA-036	2018/9/24
5	Loop antenna	Schwarzbeck	FMZB1516	CQA-087	2018/3/21
6	Bilog Antenna	R&S	HL562	CQA-011	2018/9/24
7	Horn Antenna	R&S	HF906	CQA-012	2018/9/24
8	Horn Antenna	R&S	BBHA 9170	CQA-088	2018/9/24
9	Coax cable (9KHz~40GHz)	CQA	RE-low-01	CQA-077	2018/9/24
10	Coax cable (9KHz~40GHz)	CQA	RE-high-02	CQA-078	2018/9/24
11	Antenna Connector	CQA	RFC-01	CQA-080	2018/9/24
12	RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2018/9/24

#### Note:

The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.





#### 6 Test results and Measurement Data

#### 6.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

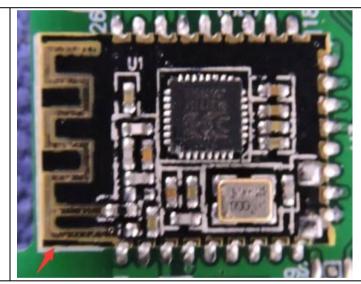
15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### **EUT Antenna:**

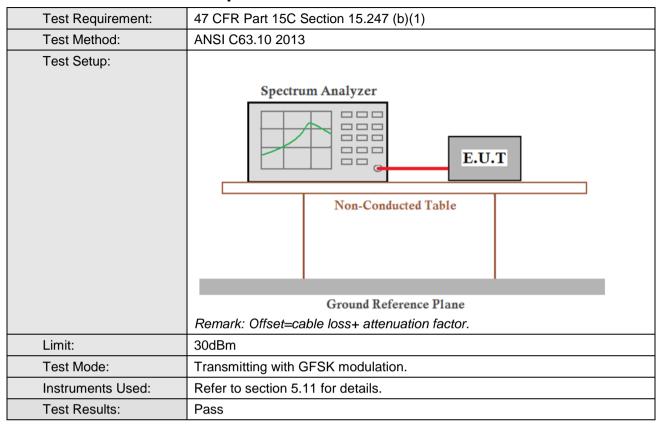


The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 0 dBi.





### 6.2 Conducted Peak Output Power

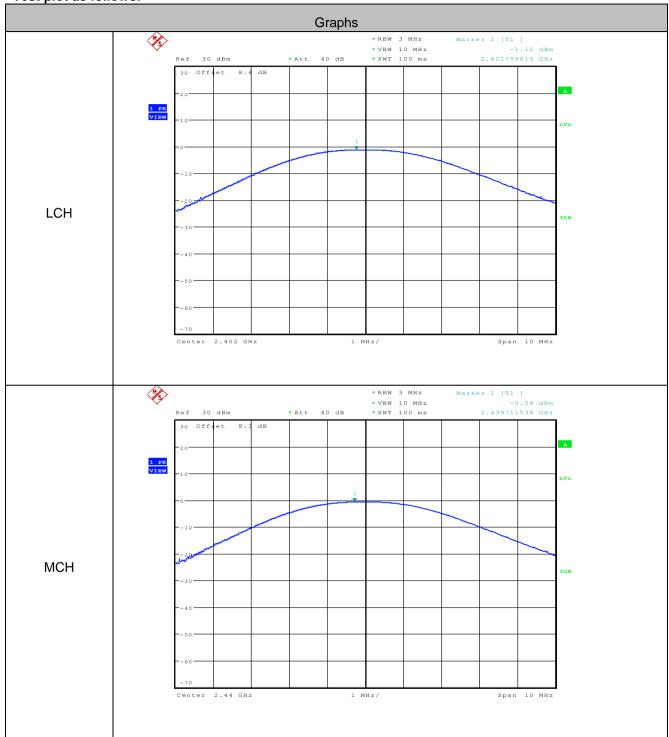


#### **Measurement Data**

GFSK mode				
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result	
Lowest	-1.12	30.00	Pass	
Middle	-0.54	30.00	Pass	
Highest	-0.11	30.00	Pass	







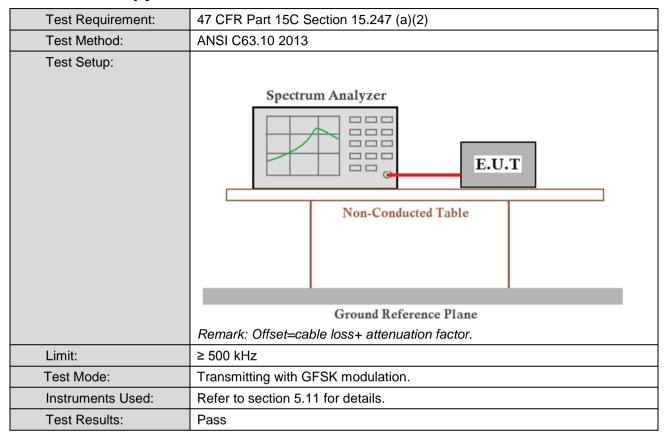








### 6.3 6dB Occupy Bandwidth

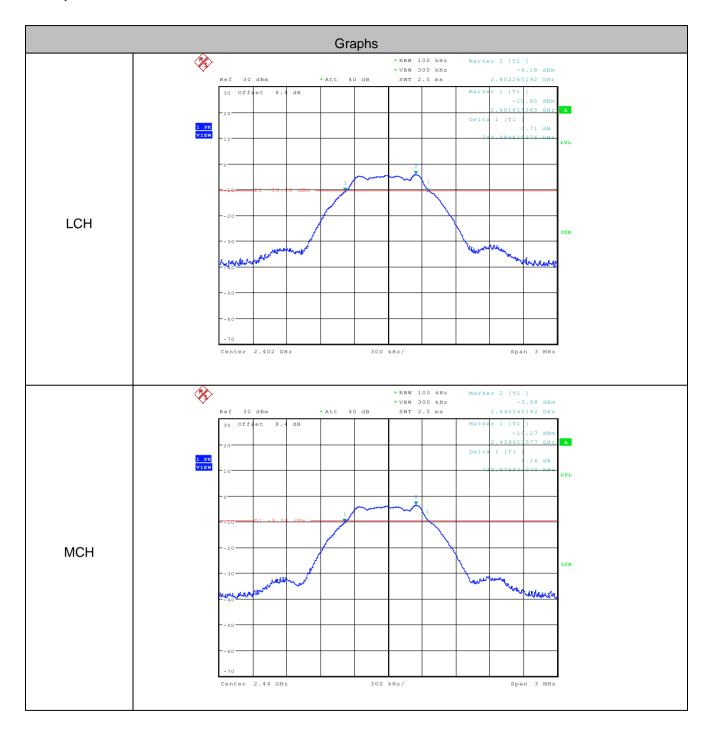


#### **Measurement Data**

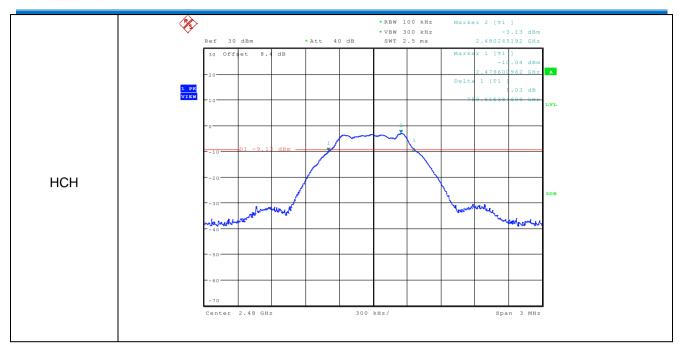
GFSK mode				
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result	
Lowest	0.7404	≥500	Pass	
Middle	0.7356	≥500	Pass	
Highest	0.7596	≥500	Pass	



#### Test plot as follows:

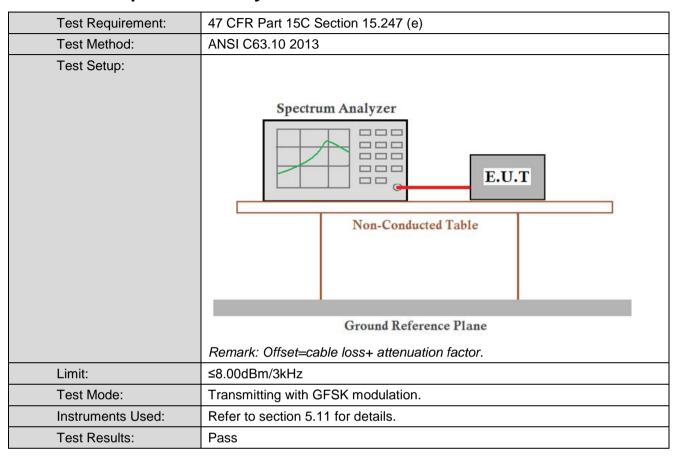








### 6.4 Power Spectral Density

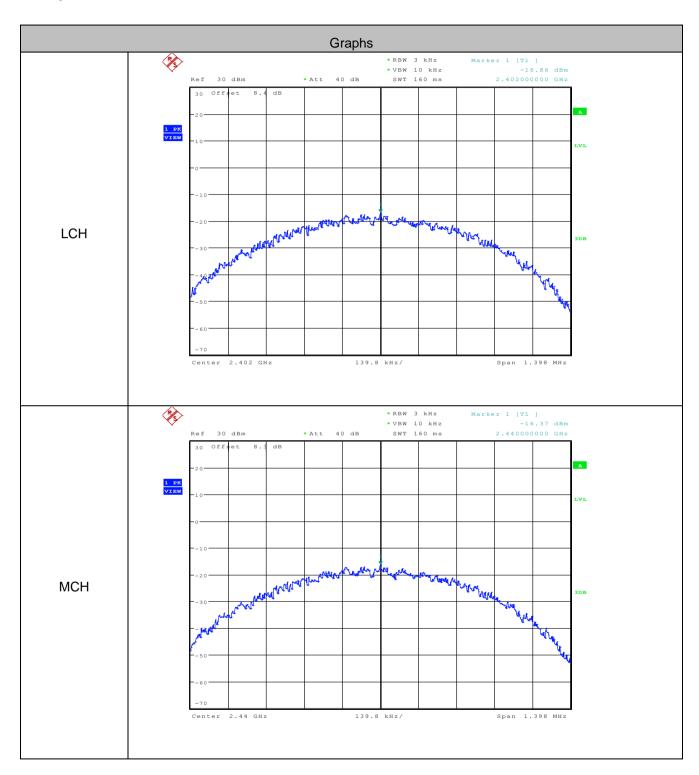


#### **Measurement Data**

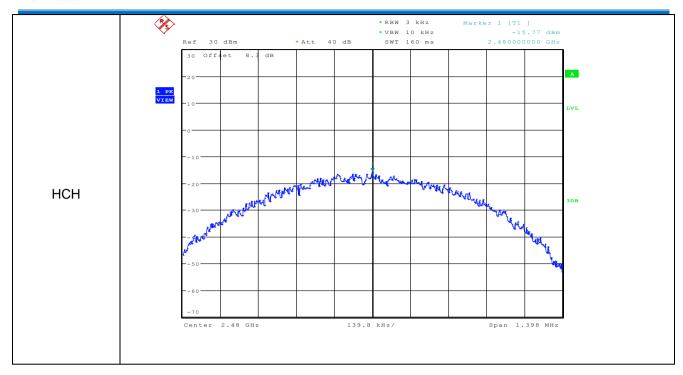
GFSK mode				
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result	
Lowest	-16.860	≤8.00	Pass	
Middle	-16.370	≤8.00	Pass	
Highest	-15.770	≤8.00	Pass	



#### Test plot as follows:



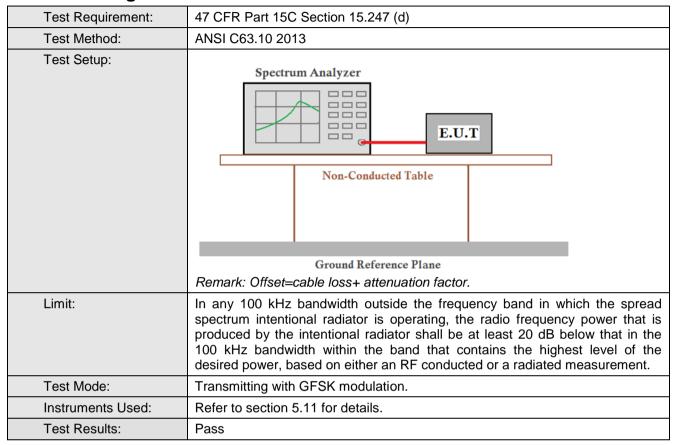








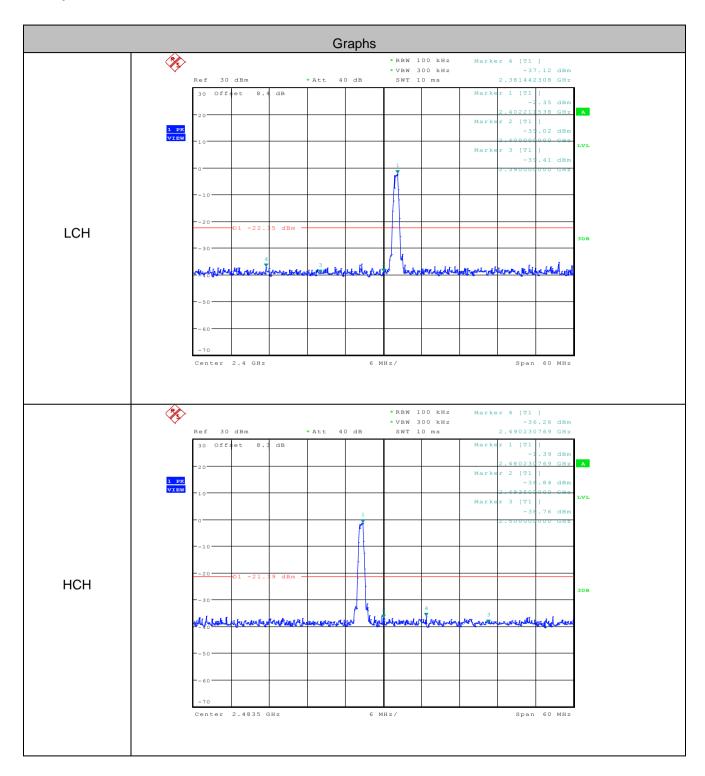
### 6.5 Band-edge for RF Conducted Emissions



GFSK mode				
Test channel	Frequency(MHz)	Emission Level(dBm)	Limit(dBm)	Result
Lowest	2400	-39.41	-22.35	Pass
Highest	2483.5	-36.84	-21.39	Pass

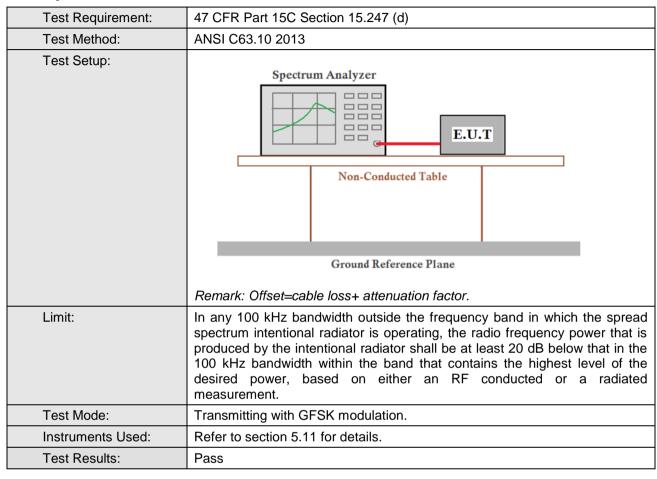


#### Test plot as follows:



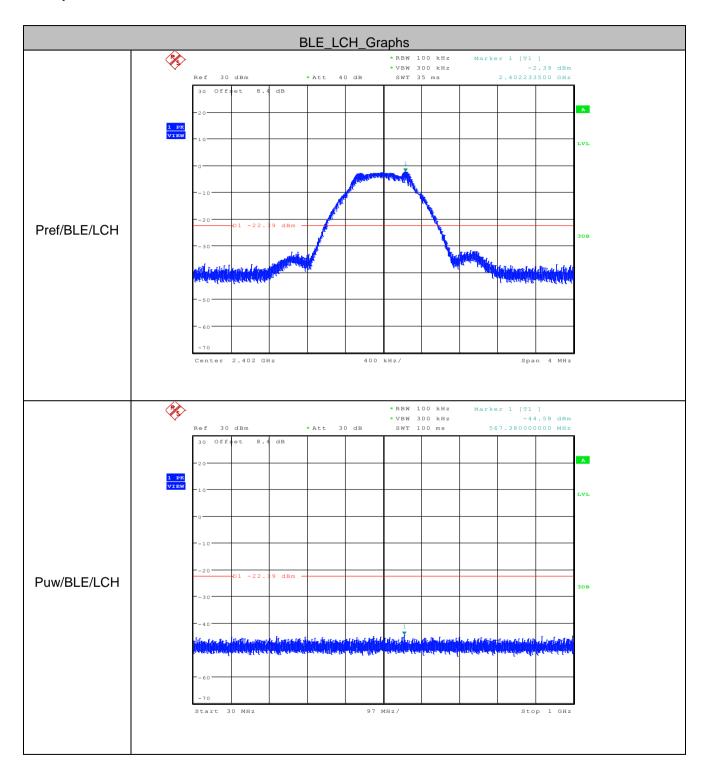


### 6.6 Spurious RF Conducted Emissions

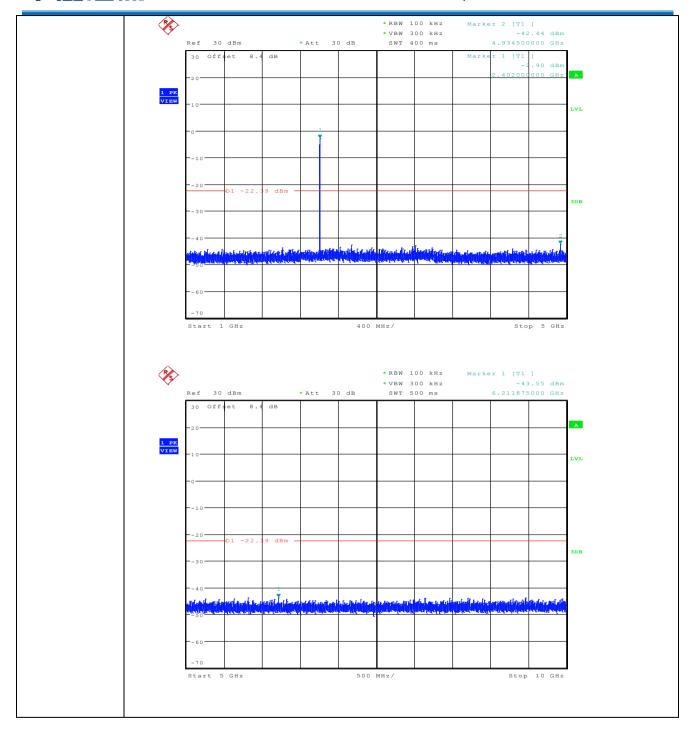




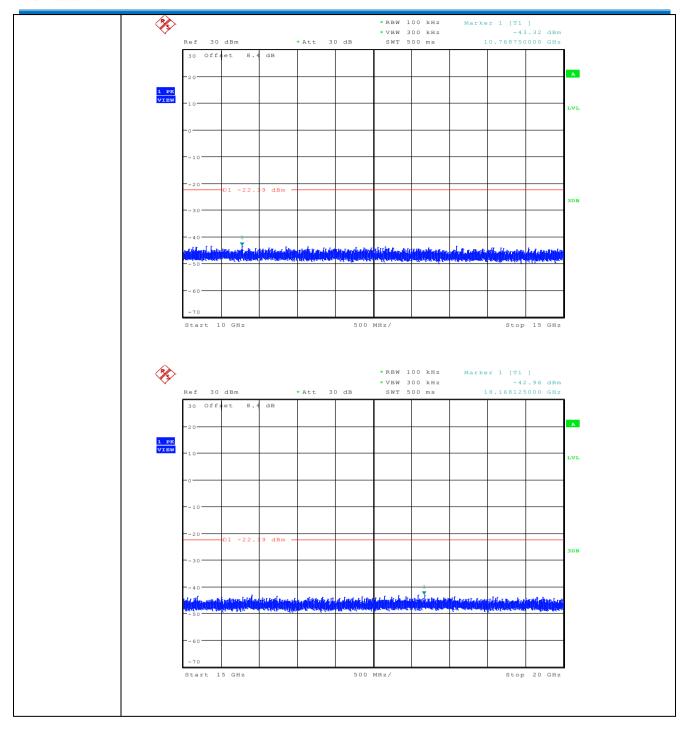
#### Test plot as follows:



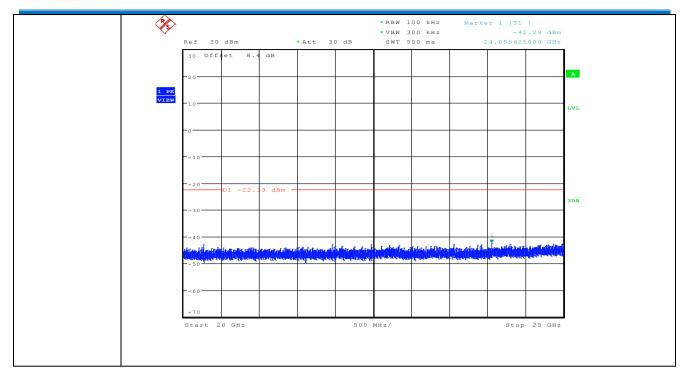


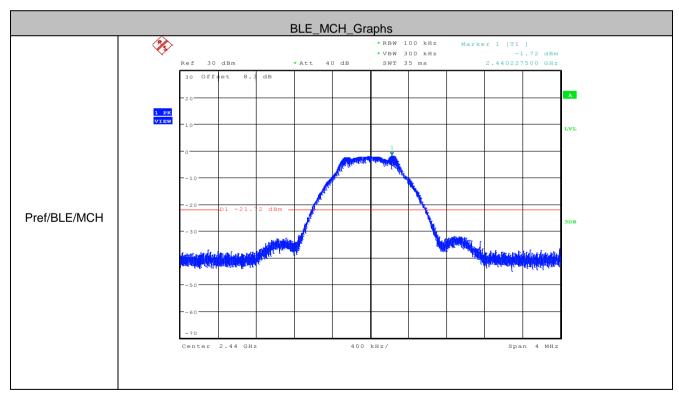




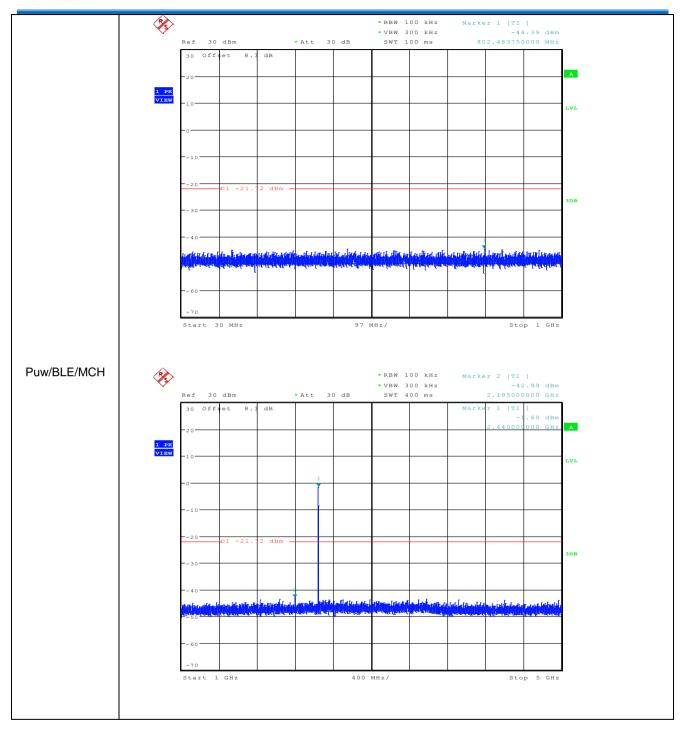




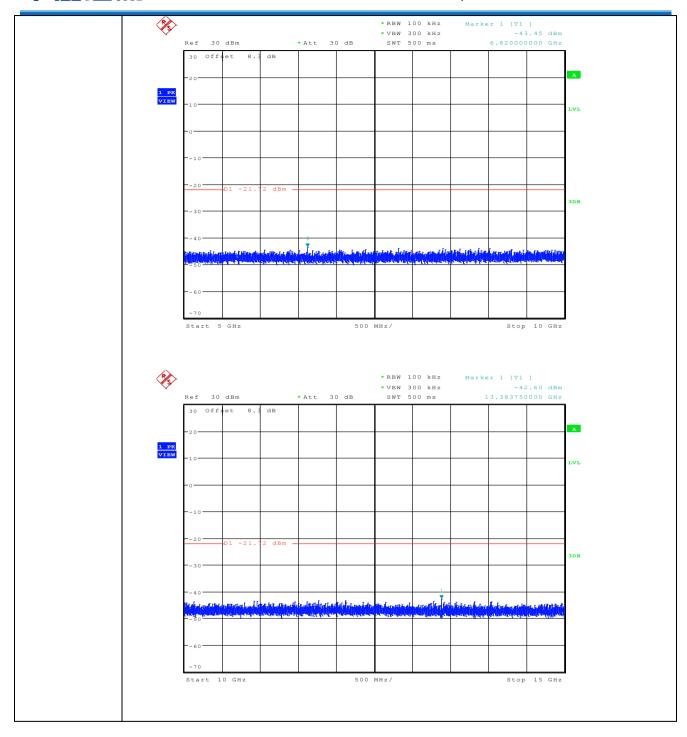




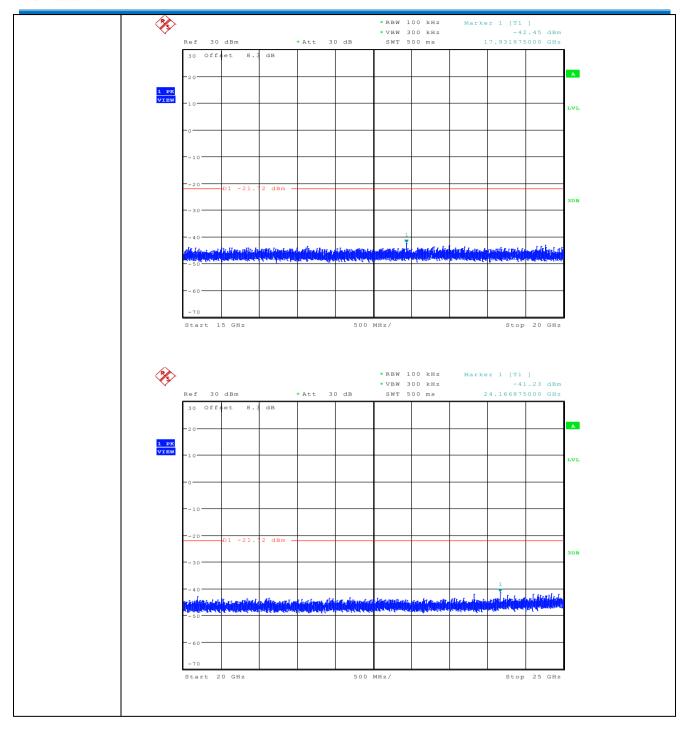




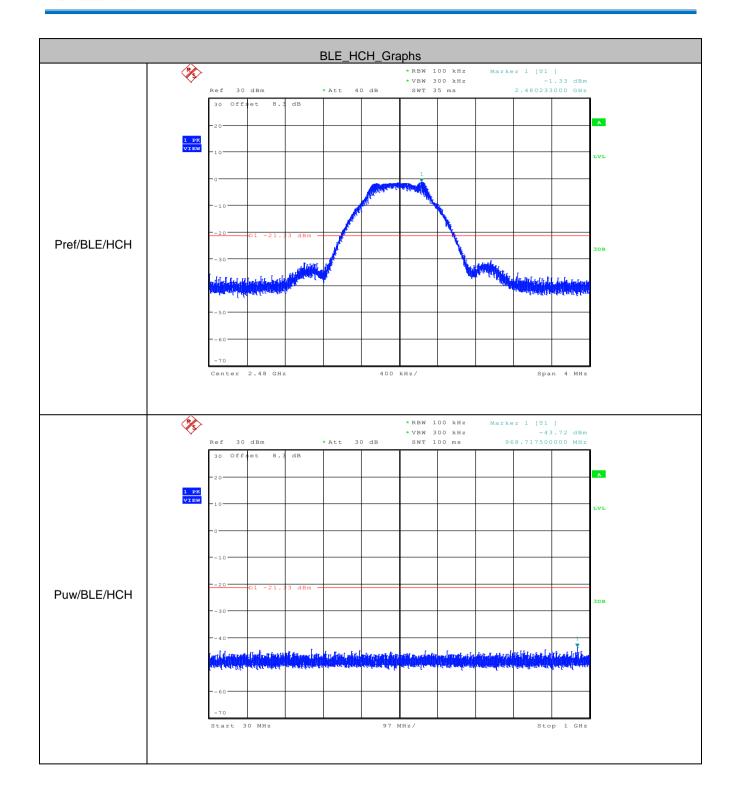




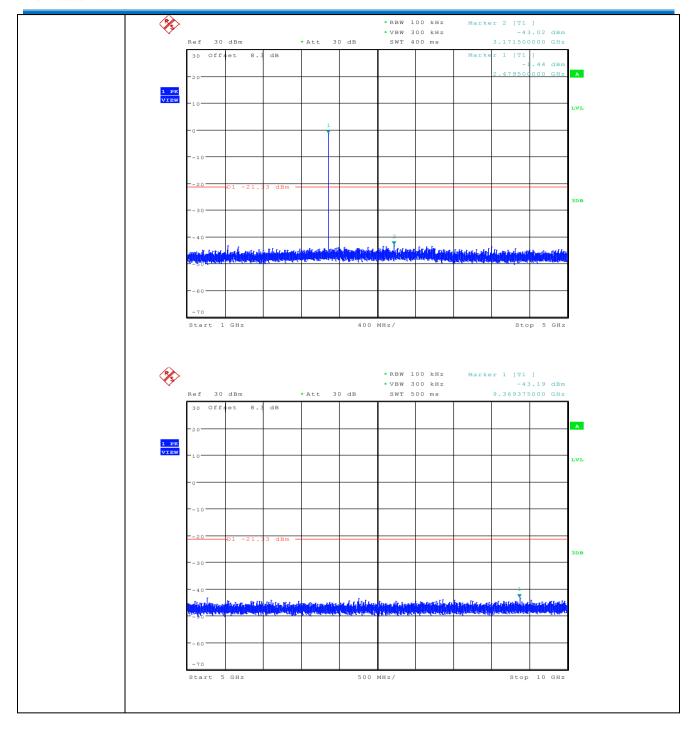




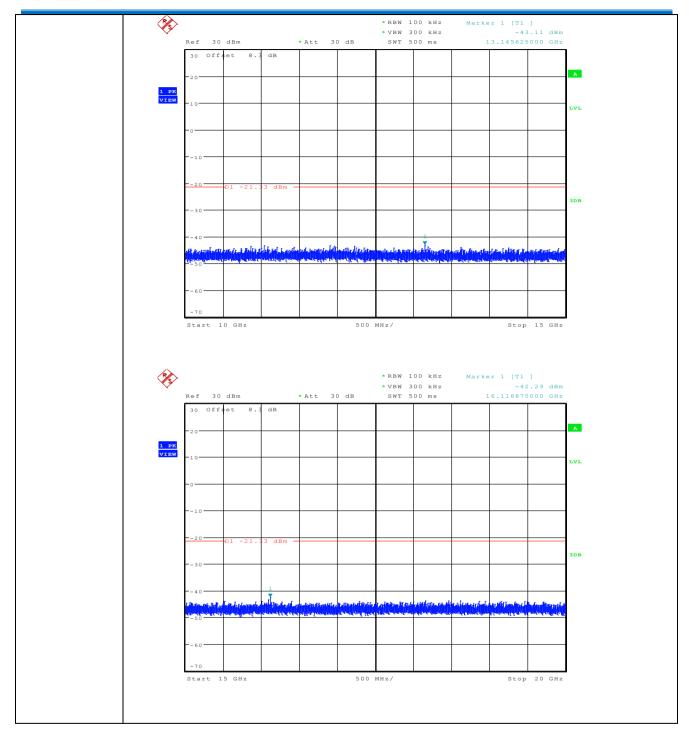






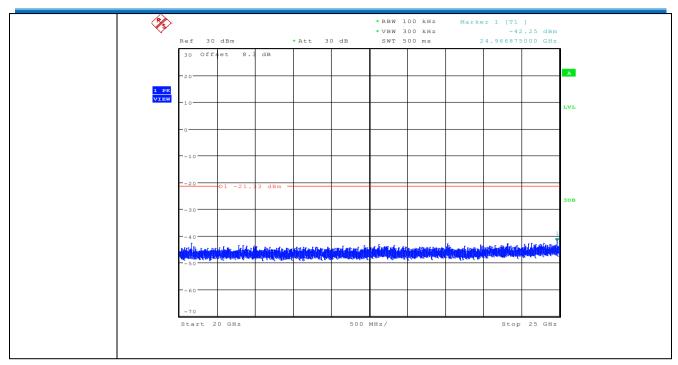








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#### Remark:

Pretest 9kHz to 25GHz, find the highest point when testing, so only the worst data were shown in the test report. Per FCC Part 15.33 (a) and 15.31 (o) ,The amplitude of spurious emissions from intentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this part.



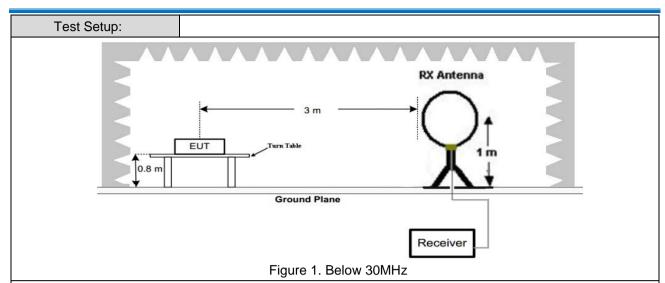


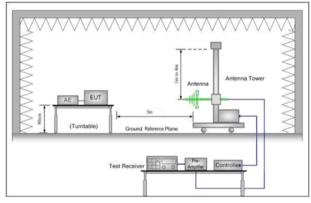
# 6.7 Radiated Spurious Emission & Restricted bands

6.7.1 Spurious Emissions							
Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205						
Test Method:							
	ANSI C63.10 2013						
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)						
Receiver Setup:	<del>  ' ' '   -   -   -   -   -   -   -   - </del>		Detector	RBW		VBW	Remark
	0.009MHz-0.090MH	Z	Peak	10kHz 30kHz		Peak	
	0.009MHz-0.090MH	Z	Average	10kHz 30		30kHz	Average
	0.090MHz-0.110MH	Z	Quasi-peak	10kHz	10kHz 30		Quasi-peak
	0.110MHz-0.490MH	Z	Peak	10kHz	Z	30kHz	Peak
	0.110MHz-0.490MH	Z	Average	10kHz	10kHz 30kH		Average
	0.490MHz -30MHz Quasi-peak 30MHz-1GHz Quasi-peak Above 1GHz Peak Peak		10kHz		30kHz	Quasi-peak	
			Quasi-peak	100 kH	lz	300kHz	Quasi-peak
			Peak	1MHz	<u>'</u>	3MHz	Peak
			Peak	1MHz		10Hz	Average
Limit:	II Freduency I		eld strength crovolt/meter)	Limit (dBuV/m)		Remark	Measuremen distance (m)
	0.009MHz-0.490MHz 240		400/F(kHz)	-		-	300
	0.490MHz-1.705MHz 24000/F(kHz		1000/F(kHz)	-	-		30
	1.705MHz-30MHz 30		-			30	
	30MHz-88MHz	30MHz-88MHz 100		40.0	Quasi-peak		3
	88MHz-216MHz	lz 150		43.5	Quasi-peak		3
	216MHz-960MHz 200		46.0	Quasi-peak		3	
	960MHz-1GHz 500		54.0	Quasi-peak		3	
	Above 1GHz	bove 1GHz 500		54.0		Average	3
	Note: 15.35(b), frequency emissions is limit applicable to the e peak emission level rad	20c quip	IB above the oment under to	maximum est. This p	per	mitted ave	rage emission



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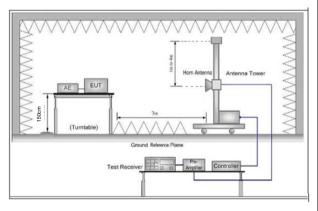


Figure 2. 30MHz to 1GHz

Figure 3. Above 1 GHz

#### Test Procedure:

- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
  - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

Note: For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the

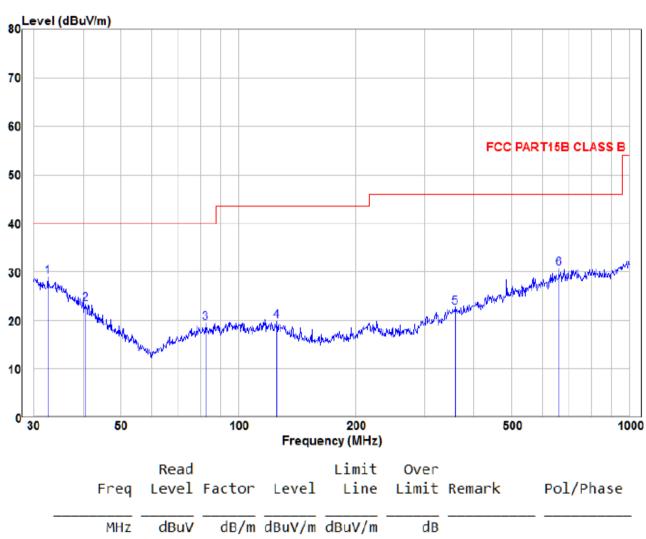


	measurement.	
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.	
	e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.	
	f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.	
	g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz)	
	h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.	
	i. Repeat above procedures until all frequencies measured was complete.	
Exploratory Test Mode:	Transmitting with GFSK modulation. Transmitting mode.	
Final Test Mode:	Transmitting with GFSK modulation.	
	Pretest the EUT at Transmitting mode, found the Transmitting mode which it is worse case.	
	For below 1GHz part, through pre-scan, the worst case is the lowest channel.	
	Only the worst case is recorded in the report.	
Instruments Used:	Refer to section 5.11 for details.	
Test Results:	Pass	





Radiated Emission below 1GHz				
30MHz~1GHz, the worst case				
Test mode:	Transmitting mode(lowest channel)	Vertical		

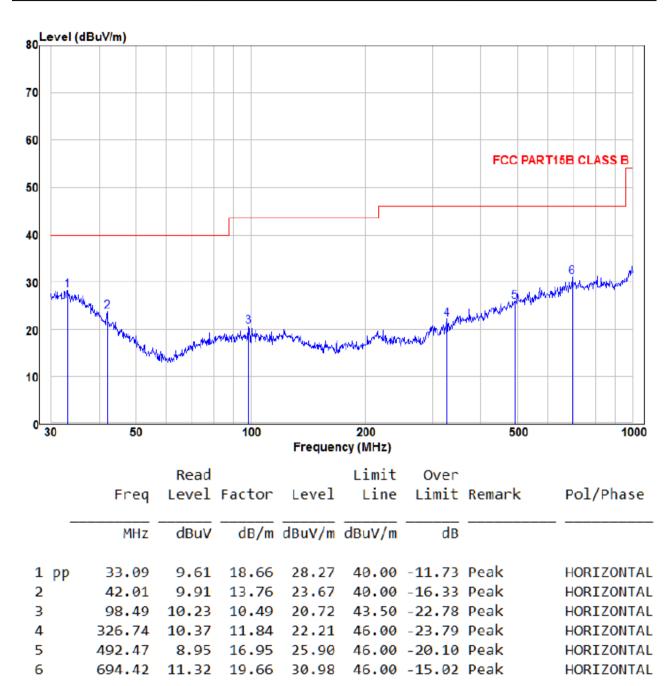


	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1 pp	32.52	10.35	18.71	29.06	40.00	-10.94	Peak	VERTICAL
2	40.70	8.84	14.56	23.40	40.00	-16.60	Peak	VERTICAL
3	82.36	9.51	9.94	19.45	40.00	-20.55	Peak	VERTICAL
4	125.45	9.33	10.38	19.71	43.50	-23.79	Peak	VERTICAL
5	357.93	9.00	13.67	22.67	46.00	-23.33	Peak	VERTICAL
6	661.15	11.22	10.42	30.76	46.00	-15.24	Dook	VERTICAL





30MHz~1GHz, the worst case		
Test mode:	Transmitting mode (lowest channel)	Horizontal







## Transmitter Emission above 1GHz

Worse case mode:	GFSK	Test channel:	Lowest
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Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	H/V
4804	49.25	-5.18	44.07	74	-29.93	peak	Н
4804	36.46	-5.18	31.28	54	-22.72	AVG	Н
7206	49.17	-6.45	42.72	74	-31.28	peak	Н
7206	35.41	-6.45	28.96	54	-25.04	AVG	Н
4804	49.49	-5.18	44.31	74	-29.69	peak	V
4804	37.13	-5.18	31.95	54	-22.05	AVG	V
7206	50.18	-6.45	43.73	74	-30.27	peak	V
7206	36.16	-6.45	29.71	54	-24.29	AVG	V

Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	H/V
2390	48.68	-4.36	44.32	74	-29.68	peak	Н
2390	35.00	-4.36	30.64	54	-23.36	AVG	Н
2400	53.22	-4.36	48.86	74	-25.14	peak	Н
2400	40.68	-4.36	36.32	54	-17.68	AVG	Н
2390	45.76	-4.36	41.40	74	-32.60	peak	V
2390	35.35	-4.36	30.99	54	-23.01	AVG	V
2400	54.42	-4.36	50.06	74	-23.94	peak	V
2400	40.58	-4.36	36.22	54	-17.78	AVG	V



## Shenzhen Huaxia Testing Technology Co., Ltd

Worse case mode:	GFSK	Test channel:	Middle
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Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	H/V
4880	49.89	-5.19	44.70	74	-29.30	peak	Н
4880	36.22	-5.19	31.03	54	-22.97	AVG	Н
7320	48.31	-6.47	41.84	74	-32.16	peak	Н
7320	36.54	-6.47	30.07	54	-23.93	AVG	Н
4880	48.98	-5.19	43.79	74	-30.21	peak	V
4880	36.68	-5.19	31.49	54	-22.51	AVG	V
7320	48.63	-6.47	42.16	74	-31.84	peak	V
7320	36.96	-6.47	30.49	54	-23.51	AVG	V



#### Shenzhen Huaxia Testing Technology Co., Ltd

Report No.: CQASZ171001521EW-01

Worse case mode:	GFSK	Test channel:	Highest
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Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	H/V
4960	50.13	-5.2	44.93	74	-29.07	peak	Н
4960	37.69	-5.2	32.49	54	-21.51	AVG	Н
7440	50.11	-6.47	43.64	74	-30.36	peak	Н
7440	37.67	-6.47	31.20	54	-22.80	AVG	Н
4960	51.13	-5.2	45.93	74	-28.07	peak	V
4960	37.16	-5.2	31.96	54	-22.04	AVG	V
7440	50.21	-6.47	43.74	74	-30.26	peak	V
7440	36.75	-6.47	30.28	54	-23.72	AVG	V

Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	H/V
2483.5	60.61	-4.22	43.37	74	-30.63	peak	Н
2483.5	46.74	-4.22	29.69	54	-24.31	AVG	Н
2483.5	59.64	-4.22	41.16	74	-32.84	peak	V
2483.5	46.45	-4.22	28.50	54	-25.50	AVG	V

#### Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
  - Final Test Level =Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

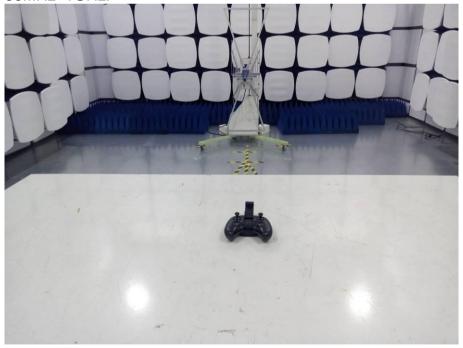
# 7 Photographs - EUT Test Setup

# 7.1 Radiated Spurious Emission

9KHz~30MHz:



30MHz~1GHz:













# 8 Photographs - EUT Constructional Details























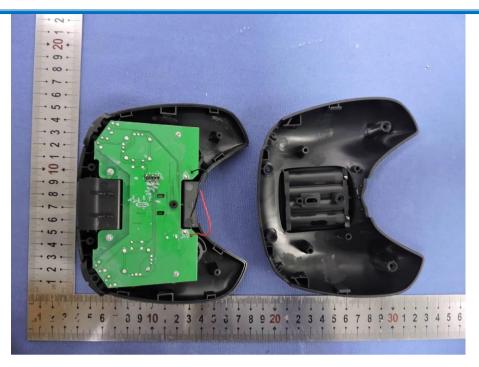
### Shenzhen Huaxia Testing Technology Co., Ltd

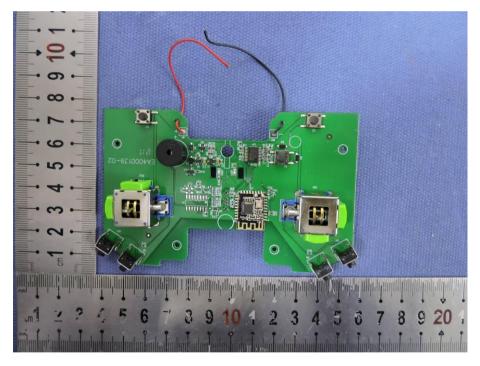






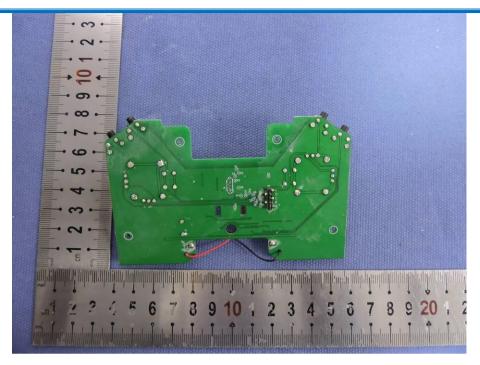


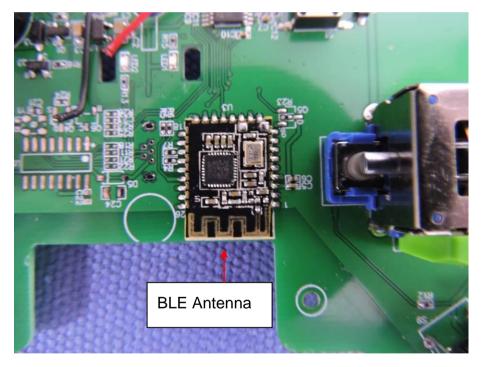












**END OF THE REPORT**