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

Test Report

Report No.: CQASZ20210500033EX-01

Applicant: Shenzhen ThreeNH Technology Co.,Ltd

Address of Applicant: Floor 6, Building 5B, Skyworth Innovation Valley, Tangtou No.1 Road, Shiyan

Street, Bao an District, Shenzhen, ,Guangdong, China

Manufacturer: Shenzhen ThreeNH Technology Co.,Ltd

Address of Floor 6, Building 5B, Skyworth Innovation Valley, Tangtou No.1 Road, Shiyan

Manufacturer: Street, Bao an District, Shenzhen, ,Guangdong, China

Equipment Under Test (EUT):

Product: Color Haze meter

All Model: YH1600, YH1860, YH1810, YH1800, YH1610, YH1210, YH1200, YH1100,

YH1000, YH900, YH800, YH1260, YH1060, YH1102

Test Model No.: YH1600

Brand Name: 3nh

FCC ID: 2AMRM-YH1600

Standards: 47 CFR Part 15, Subpart C Section 15.247

Date of Test: Apr. 28, 2021to Jul. 19, 2021

Date of Issue: Jul. 19, 2021

Test Result: PASS*

lewis 2h0u Tested By:

(Lewis Zhou

Reviewed By:

(Timo Lei)

Approved By:



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.

^{*} In the configuration tested, the EUT complied with the standards specified above.



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1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20210500033EX-01	Rev.01	Initial report	Jul. 19, 2021





2 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	PASS
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



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4 General Information

4.1 Client Information

Applicant:	Shenzhen ThreeNH Technology Co.,Ltd			
Address of Applicant:	Floor 6, Building 5B, Skyworth Innovation Valley, Tangtou No.1 Roa			
	Shiyan Street, Bao 'an District, Shenzhen, Guangdong, China			
Manufacturer:	Shenzhen ThreeNH Technology Co.,Ltd			
Address of Manufacturer:	Floor 6, Building 5B, Skyworth Innovation Valley, Tangtou No.1 Road,			
	Shiyan Street, Bao 'an District, Shenzhen, Guangdong, China			

4.2 General Description of EUT

<u> </u>			
Product Name:	Color Haze meter		
Test Model No.:	YH1600		
Trade Mark:	3nh		
Hardware Version:	V1.6		
Software Version:	V1.0		
Operation Frequency:	2402-2480MHz		
Modulation Type:	GFSK		
Transfer Rate:	1Mbps(Test software see page 6)		
Number of Channel:	40		
Product Type:	☐ Mobile ☐ Portable ☐ Fix Location		
Antenna Type:	Ceramic antenna		
Antenna Gain:	2dBi		
EUT Power Supply:	AC ADAPTER		
	MODEL: B06240300		
Adapter	INPUT:110-240 50/60Hz 1.3A max		
	OUTPUT: 24V 3A		



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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







4.3 Test Environment

Operating Environment	
Conducted Emission	
Temperature:	23 °C
Humidity:	51 % RH
Atmospheric Pressure:	992 mbar
Radiated Emission	
Temperature:	25.5 °C
Humidity:	53 % RH
Atmospheric Pressure:	992 mbar
RF item test (RF test re	oom)
Temperature:	27.3 °C
Humidity:	55 % RH
Atmospheric Pressure:	992 mbar
Test Mode:	Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.

4.4 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	Remark	FCC certification
PC	Lenovo	ThinkPad E450C	Provide by lab	FCCID
AC/DC Adapter	Lenovo	ADLX65NLC3A	Provide by lab	FCC SDOC
		MODEL:		
	Shenzhen Delippo	B06240300	Daniel Land	
AC Adapter	technology	INPUT:110-240	Provide by	FCC SDOC
	Co.,Ltd	50/60Hz 1.3A max	applicant	
		OUTPUT: 24V 3A		





4.5 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.** guality 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:

No.	Item	Uncertainty	Notes
1	Radiated Emission (Below 1GHz)	5.12dB	(1)
2	Radiated Emission (Above 1GHz)	4.60dB	(1)
3	Conducted Disturbance (0.15~30MHz)	3.34dB	(1)
4	Radio Frequency	3×10 ⁻⁸	(1)
5	Duty cycle	0.6 %.	(1)
6	Occupied Bandwidth	1.1%	(1)
7	RF conducted power	0.86dB	(1)
8	RF power density	0.74	(1)
9	Conducted Spurious emissions	0.86dB	(1)
10	Temperature test	0.8℃	(1)
11	Humidity test	2.0%	(1)
12	Supply voltages	0.5 %.	(1)
13	Frequenc Error	5.5 Hz	(1)

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



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4.6 Test Location

Shenzhen Huaxia Testing Technology Co., Ltd,

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

4.7 Test Facility

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

IC 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

4.8 Deviation from Standards

None.

4.9 Other Information Requested by the Customer

None.



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4.10 Equipment List

			Instrument	Calibration	Calibration
Test Equipment	Manufacturer	Model No.	No.	Date	Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2020/09/22	2021/09/21
Spectrum analyzer	R&S	FSU26	CQA-038	2020/10/24	2021/10/23
Spectrum analyzer	keysight	N9020A	CQA-105	2020/10/24	2021/10/23
		AFS4-00010300-18-10P-			
Preamplifier	MITEQ	4	CQA-035	2020/09/22	2021/09/21
Preamplifier	MITEQ	AMF-6D-02001800-29- 20P	CQA-036	2020/10/29	2020/10/28
Loop antenna	Schwarzbeck	FMZB1516	CQA-087	2020/10/24	2021/10/23
Bilog Antenna	R&S	HL562	CQA-011	2020/09/22	2021/09/21
Horn Antenna	R&S	HF906	CQA-012	2020/09/22	2021/09/21
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2020/09/22	2021/09/21
Coaxial Cable (Above 1GHz)	CQA	N/A	C019	2020/09/22	2021/09/21
Coaxial Cable (Below 1GHz)	CQA	N/A	C020	2020/09/22	2021/09/21
Antenna Connector	CQA	RFC-01	CQA-080	2020/09/22	2021/09/21
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2020/09/22	2021/09/21
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2020/09/22	2021/09/21
EMI Test Receiver	R&S	ESPI3	CQA-013	2020/09/22	2021/09/21
LISN	R&S	ENV216	CQA-003	2020/11/01	2021/10/30
Coaxial cable	CQA	N/A	CQA-C009	2020/09/22	2021/09/21

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.





5 Test results and Measurement Data

5.1 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:

Ceramic antenna



The antenna is Ceramic antenna. The best case gain of the antenna is 2dBi.





5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207			
Test Method:	ANSI C63.10: 2013			
Test Frequency Range:	150kHz to 30MHz			
Limit:	Limit		lBuV)	
	Frequency range (MHz)	Quasi-peak	Average	
	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5	56	46	
	5-30	60	50	
	* Decreases with the logarithn	n of the frequency.		
Test Procedure:	 The mains terminal disturbance voltage test was conducted in a shielded room. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground 			
	reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.			
Test Setup:	Shielding Room EUT AE AC Mains LISN1	_	est Receiver	
Test Mode:	Through Pre-scan, find the ownerst case. Only the worst case is recorded	•	t the high channel is the	

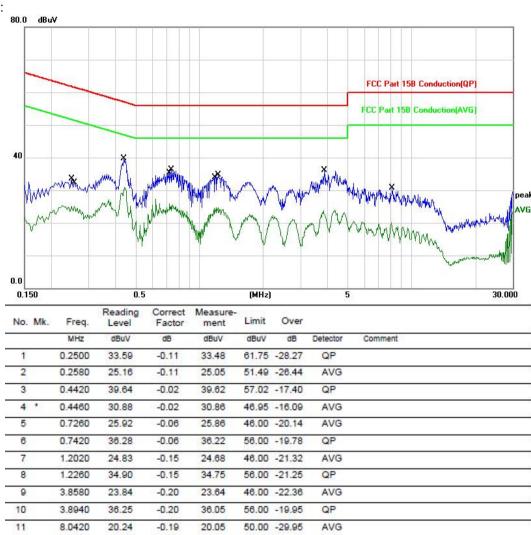


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Test Results:	AC120V/60Hz
	Pass

Measurement Data

Live Line:



Remark:

12

8.1420

30.85

1. The following Quasi-Peak and Average measurements were performed on the EUT:

30.67

60.00 -29.33

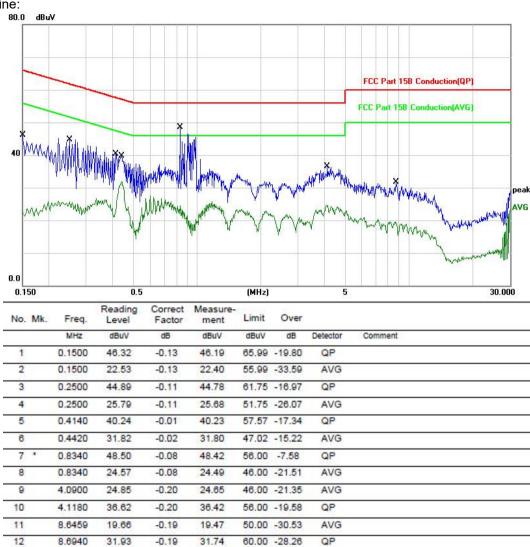
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

-0.18

3. If the Peak value under Average limit, the Average value is not recorded in the report.



Neutral Line:



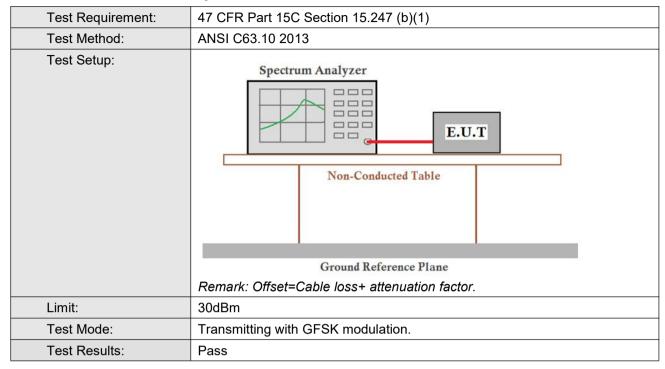
Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.



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5.3 Conducted Peak Output Power

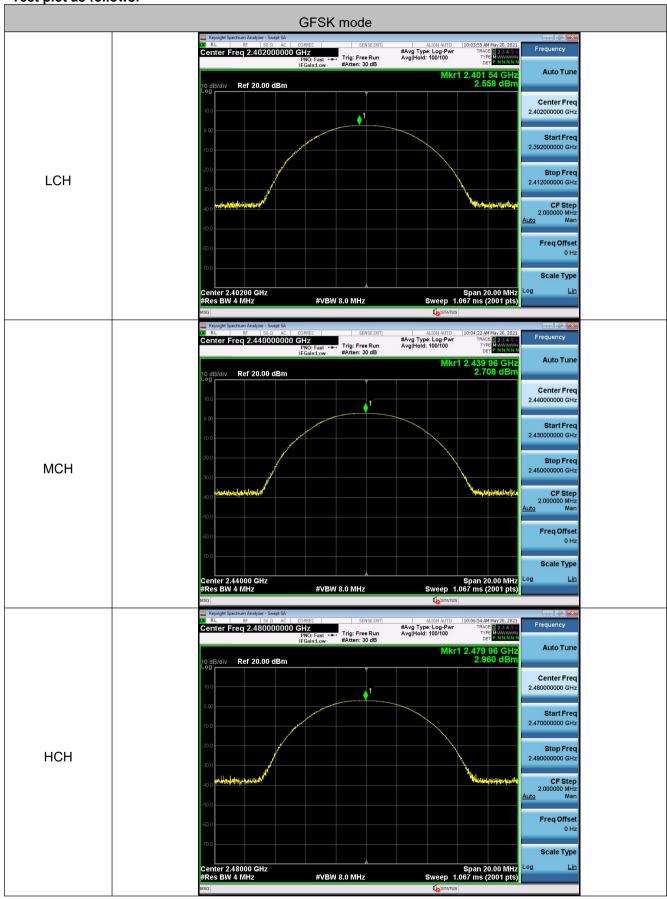


Measurement Data

GFSK mode (1Mbps)									
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result						
Lowest	2.558	30.00	Pass						
Middle	2.708	30.00	Pass						
Highest 2.960		30.00	Pass						



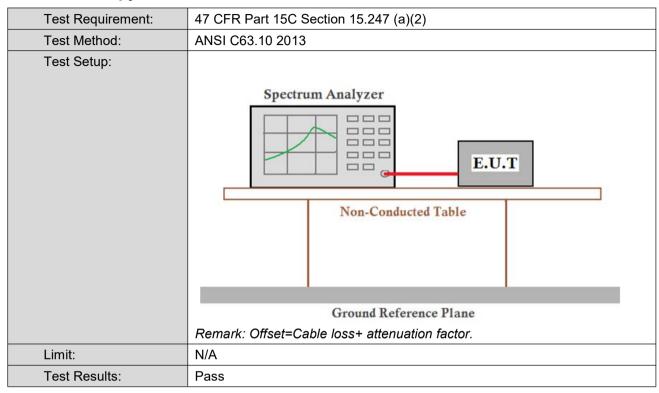
Test plot as follows:







5.4 6dB Occupy Bandwidth



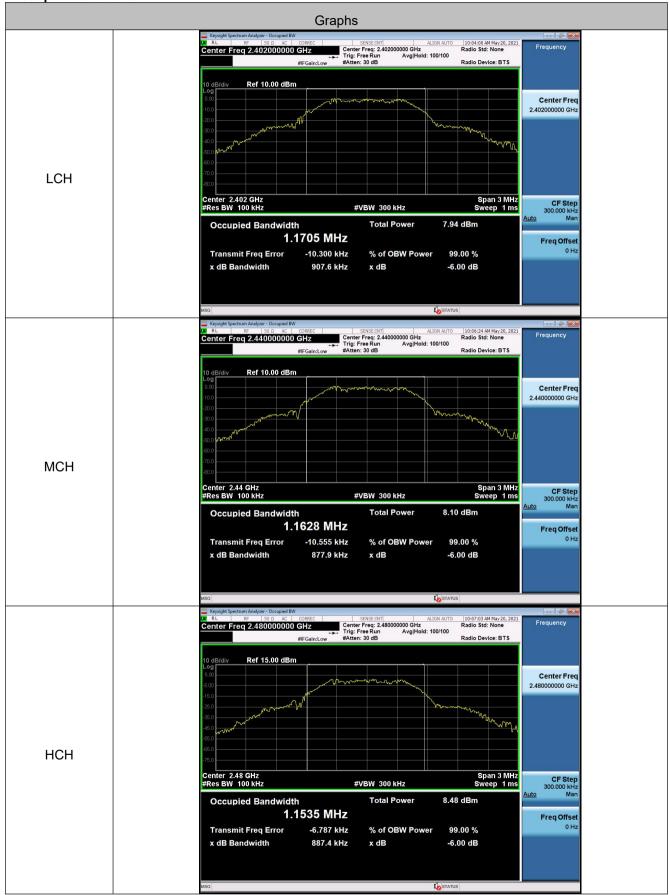
Measurement Data

GFSK mode								
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result					
Lowest	0.9076	N/A	Pass					
Middle	0.8779	N/A	Pass					
Highest	0.8874	N/A	Pass					





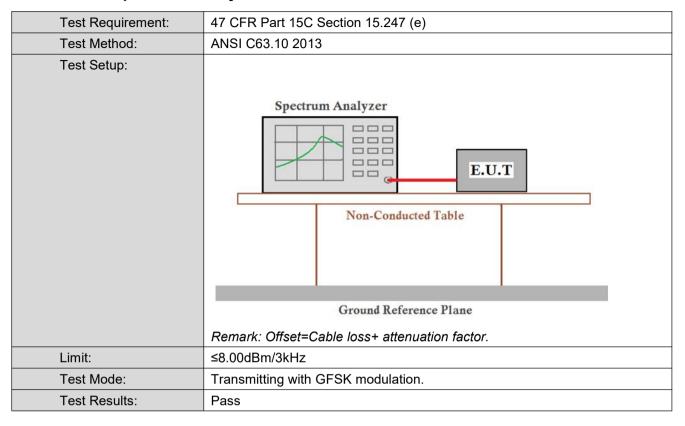








5.5 Power Spectral Density



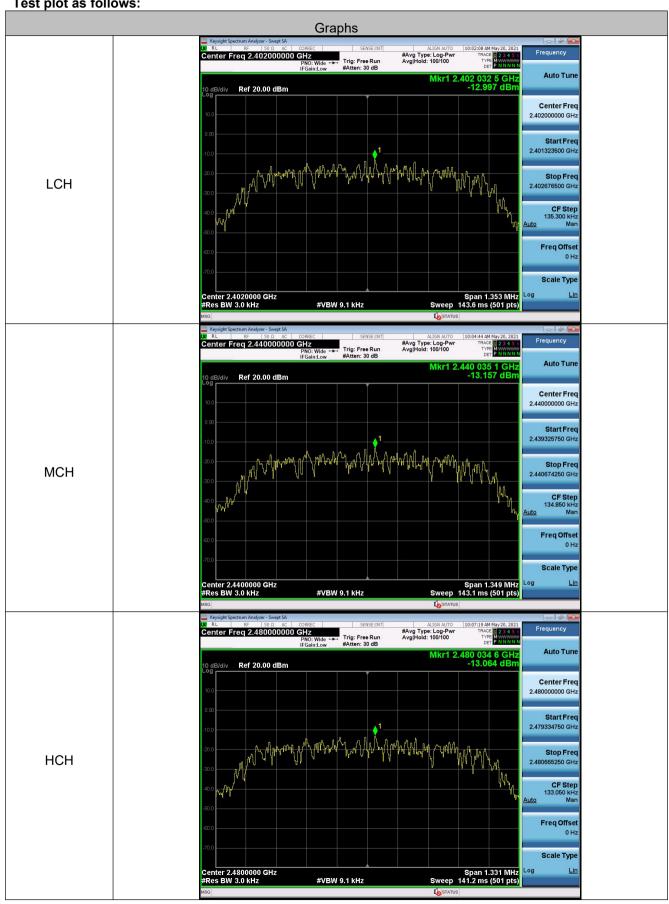
Measurement Data

modean on to butte										
	GFSK mode									
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result							
Lowest	-12.997	≤8.00	Pass							
Middle	-13.157	≤8.00	Pass							
Highest	-13.064	≤8.00	Pass							





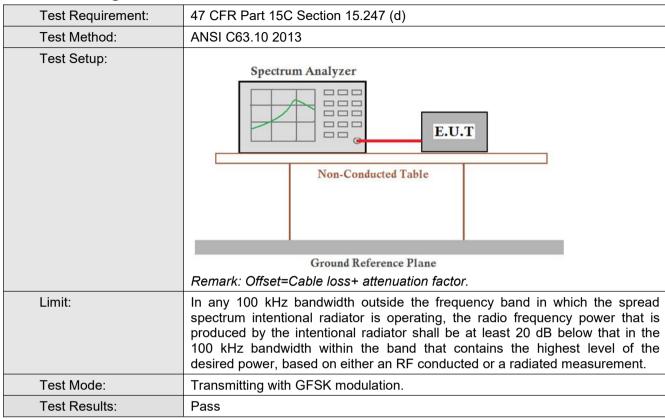
Test plot as follows:





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5.6 Band-edge for RF Conducted Emissions





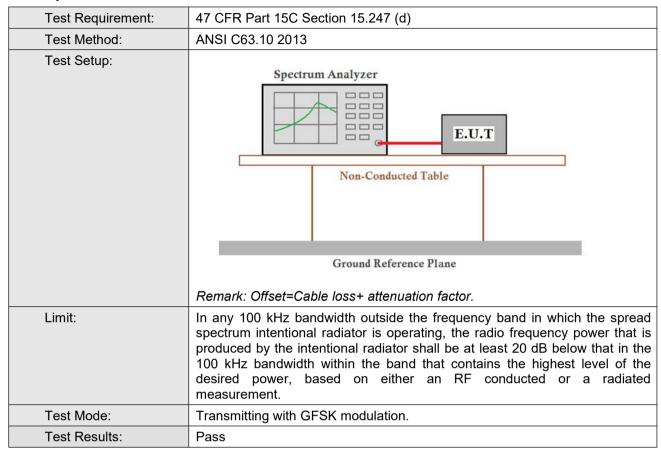
Test plot as follows:

Graphs #Avg Type: RMS Avg|Hold: 100/100 Auto Tune Ref 20.00 dBm 2.357125000 GHz Start Freq 2.310000000 GHz left band-edge 2.404250000 GHz Stop 2.40425 GHz Sweep 9.067 ms (2001 pts) Start 2.31000 GHz #Res BW 100 kHz CF Step 9.425000 MHz Mar #VBW 300 kHz -55.239 dBm -47.275 dBm Freq Offse 2.402 04 GHz -0.340 dBm Scale Type #Avg Type: RMS Avg|Hold: 100/100 Auto Tune Ref 20.00 dBm Center Freq 2.488875000 GHz Start Freq 2.477750000 GHz Stop Freq 2.500000000 GHz right band-edge CF Step 2.225000 MHz Mar #VBW 300 kHz -55.228 dBm -52.719 dBm Freq Offset 2.479 719 GHz 1.440 dBm Scale Type

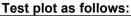




5.7 Spurious RF Conducted Emissions

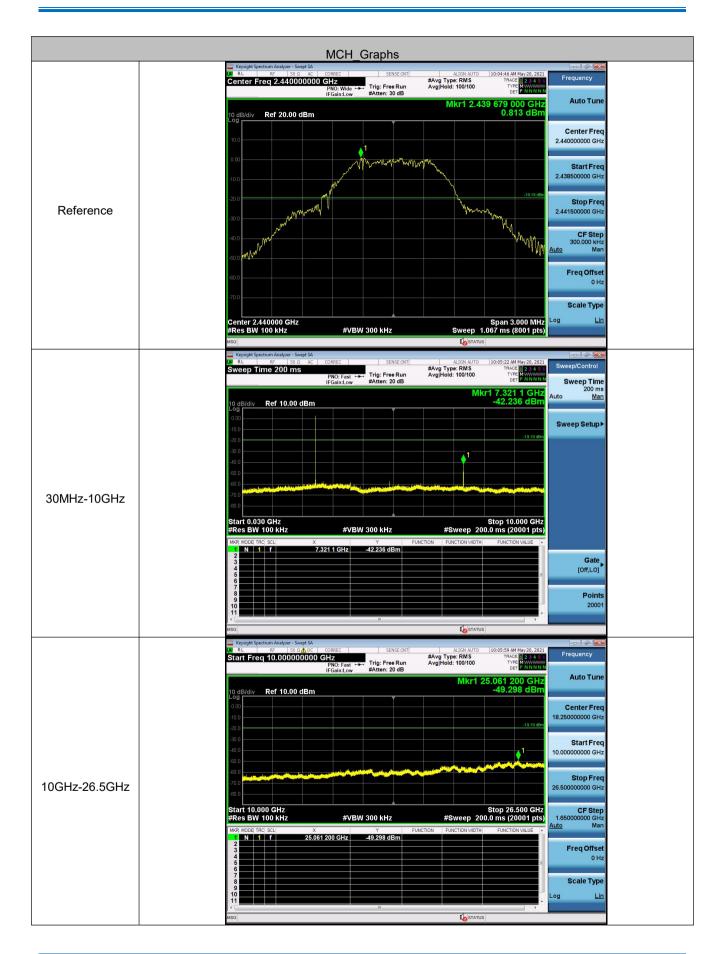


















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Remark:

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.



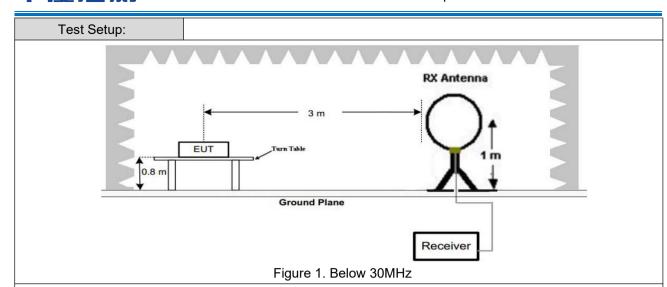
Report No.: CQASZ20210500033EX-01

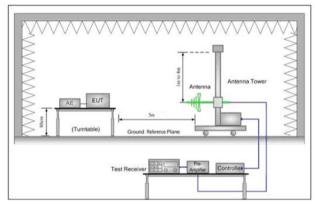
5.8 Radiated Spurious Emission & Restricted bands

5.8.1 Spurious Emissions										
Test Requirement:	47 CFR Part 15C Section	on 1	5.209 and 15	.205						
Test Method:	ANSI C63.10 2013									
Test Site:	Measurement Distance	: 3m	ı (Semi-Anecl	noic Cham	ber)					
Receiver Setup:	Frequency		Detector	RBW	VBW	Remark				
	0.009MHz-0.090MH	z	Peak	10kHz	30kHz	Peak				
	0.009MHz-0.090MH	z	Average	10kHz	30kHz	Average				
	0.090MHz-0.110MH	z	Quasi-peak	10kHz	30kHz	Quasi-peak				
	0.110MHz-0.490MH	z	Peak	10kHz	30kHz	Peak				
	0.110MHz-0.490MH	z	Average	10kHz	30kHz	Average				
	0.490MHz -30MHz		Quasi-peak	10kHz	30kHz	Quasi-peak				
	30MHz-1GHz		Quasi-peak	100 kH	lz 300kHz	Quasi-peak				
	Above 1CHz		Peak	1MHz	3MHz	Peak				
	Above 1GHz		Peak	1MHz	10Hz	Average				
Limit:	Frequency	Field strength (microvolt/meter		Limit (dBuV/m)	Remark	Measurement distance (m)				
	0.009MHz-0.490MHz	2	400/F(kHz)	-	-	300				
	0.490MHz-1.705MHz	24	1000/F(kHz)	-	-	30				
	1.705MHz-30MHz		30	-	-	30				
	30MHz-88MHz		100	40.0	Quasi-peak	3				
	88MHz-216MHz		150	43.5	Quasi-peak	3				
	216MHz-960MHz		200	46.0	Quasi-peak	3				
	960MHz-1GHz		500	54.0	Quasi-peak	3				
	Above 1GHz		500	54.0	Average	3				
Note: 15.35(b), Unless otherwise specified, the limit of frequency emissions is 20dB above the maximum permitted aveilimit applicable to the equipment under test. This peak limit applicable to the equipment under test.										



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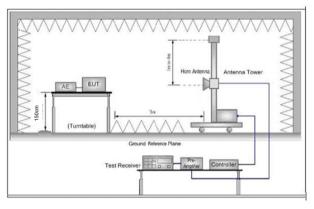


Figure 2. 30MHz to 1GHz

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

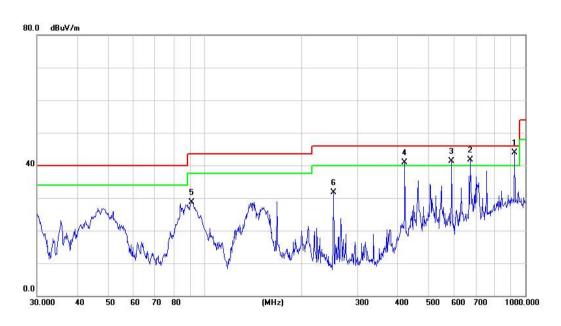


	measurement.
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to 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 (2402MHz) the Highest shappel (2420MHz)
	 (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 BLE
Final Test Mode:	Transmitting with BLE-GFSK modulation.
	For below 1GHz part, through pre-scan, the worst case is the GFSK-high channel Only the worst case is recorded in the report.
Test Results:	Pass
V= = 011201	



5.8.2 Radiated Emission below 1GHz

30MHz~1GHz		
Test mode:	Transmitting	Vertical



No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	925.7563	36.19	7.69	43.88	46.00	-2.12	QP			
2	ĺ	672.8444	39.61	2.11	41.72	46.00	-4.28	QP			
3	ļ	588.9050	41.72	-0.48	41.24	46.00	-4.76	QP			
4		420.5803	47.17	-6.27	40.90	46.00	-5.10	QP			
5		91.1745	47.27	-18.61	28.66	43.50	-14.84	QP			
6		252.0627	46.97	-15.28	31.69	46.00	-16.31	QP			

Remark:

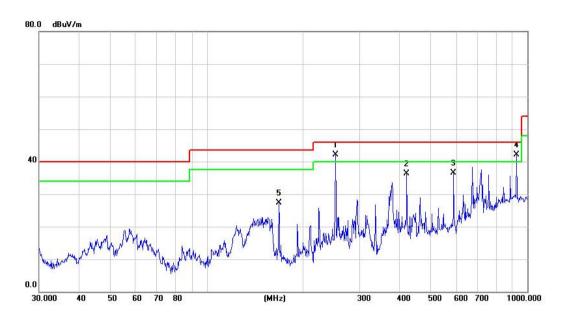
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor - Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	3
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	252.0627	57.36	-15.28	42.08	46.00	-3.92	QP			
2		420.5803	42.66	-6.27	36.39	46.00	-9.61	QP			
3		588.9051	37.04	-0.48	36.56	46.00	-9.44	QP			
4	İ	925.7563	34.34	7.69	42.03	46.00	-3.97	QP			
5		167.8243	43.40	-16.10	27.30	43.50	-16.20	QP			

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor = Antenna Factor + Cable Factor - Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.





Transmitter Emission above 1GHz

Worse case m	ode:	GFSK		Test channel:		Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	H/V
2390	61.45	-9.2	52.25	74	-21.75	Peak	Н
2400	61.79	-9.39	52.40	74	-21.60	Peak	Н
4804	61.90	-4.33	57.57	74	-16.43	Peak	Н
7206	52.08	1.01	53.09	74	-20.91	Peak	Н
2390	63.64	-9.2	54.44	74	-19.56	Peak	V
2400	65.65	-9.39	56.26	74	-17.74	Peak	V
4804	62.46	-4.33	58.13	74	-15.87	Peak	V
7206	50.81	1.01	51.82	74	-22.18	Peak	V

Worse case m	ode:	GFSK		Test channel:		Middle	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	H/V
4880	58.74	-4.11	54.63	74	-19.37	Peak	Н
7320	50.55	1.51	52.06	74	-21.94	Peak	Н
4880	58.23	-4.11	54.12	74	-19.88	Peak	V
7320	49.80	1.51	51.31	74	-22.69	Peak	V

Worse case mode:		GFSK		Test channel:		Highest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
2483.5	61.36	-9.29	52.07	74	-21.93	Peak	н
4960	62.37	-4.04	58.33	74	-15.67	Peak	Н
7440	54.15	1.57	55.72	74	-18.28	Peak	Н
2483.5	62.23	-9.29	52.94	74	-21.06	Peak	٧
4960	61.76	-4.04	57.72	74	-16.28	Peak	V
7440	55.41	1.57	56.98	74	-17.02	Peak	V

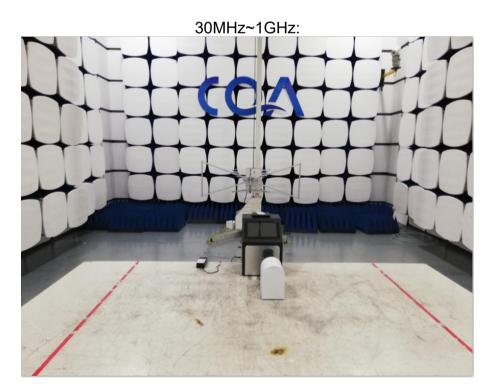
Remark:

- 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 10GHz and below 30MHz was very low. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

6 Photographs - EUT Test Setup









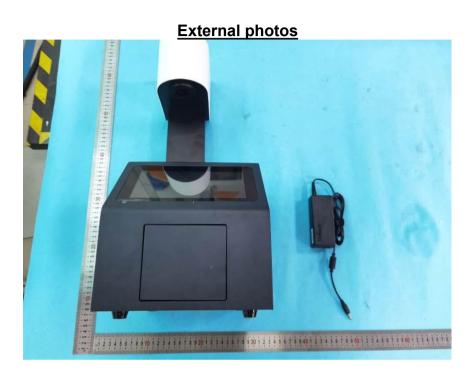


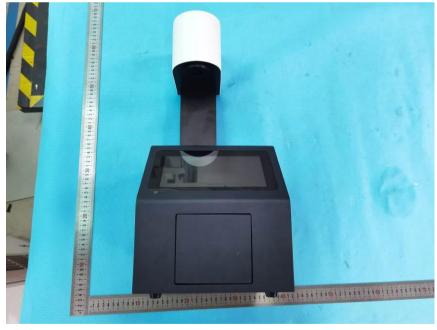






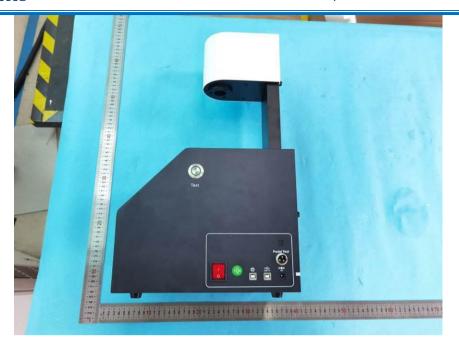
7 Photographs - EUT Constructional Details

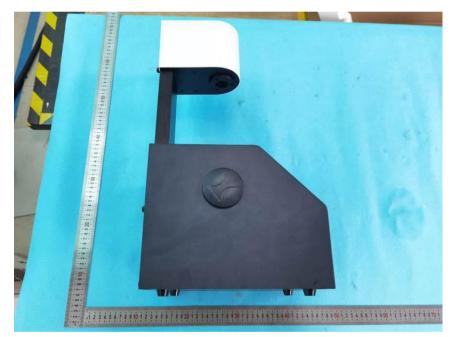






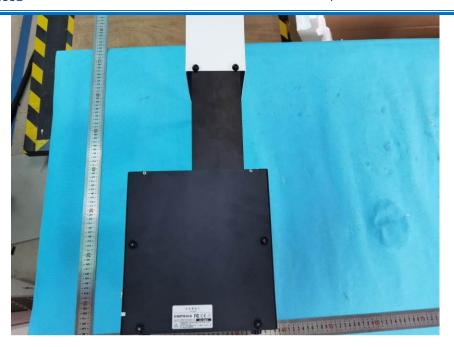










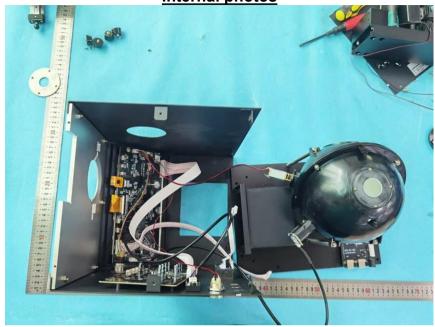








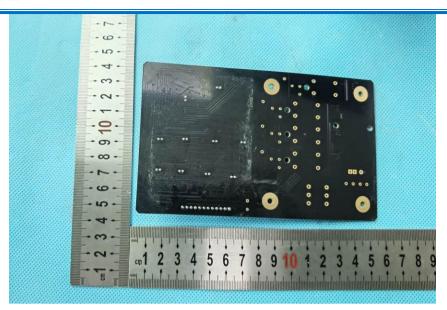


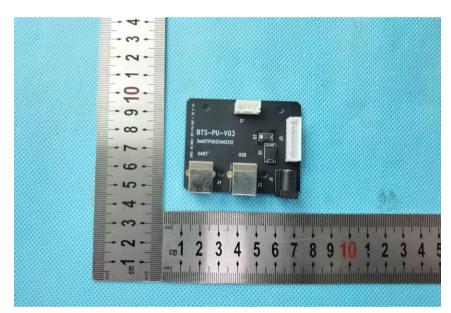






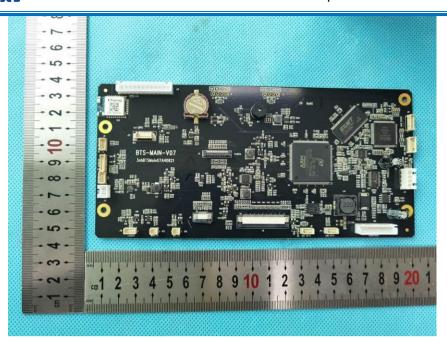










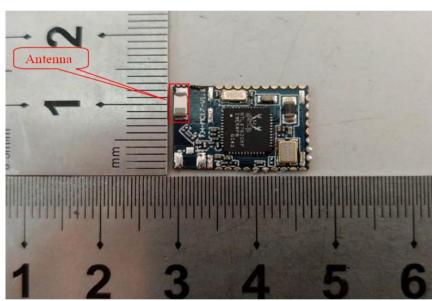












The End