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

Test Report

Report No.: CQASZ20190300002EX-02

Applicant: Grace Digital Inc

Address of Applicant: 10531 4S Commons Drive #166 Suite #430 San Diego,CA 92127,United

States

Manufacturer: NEO Telecom Corporation

Address of 7F, 674-24, Anyang Dong, Manan Gu, Anyang City, Kyunggi Do South Korea

Manufacturer:

Equipment Under Test (EUT):

Product: EcoSoundstation

All Model No.: GDI-EXSNDST800, GDI-EXSNDST801, GDI-EXSNDST802,

GDI-EXSNDST803, GDI-EXSNDST804, GDI-EXSNDST805, GDI-EXSNDST806, GDI-EXSNDST807, GDI-EXSNDST808, GDI-EXSNDST809, GDI-EXSNDST8010, GDI-EXSNDST811, GDI-EXSNDST812, GDI-EXSNDST813, GDI-EXSNDST814, GDI-EXSNDST815, GDI-EXSNDST816, GDI-EXSNDST817, GDI-EXSNDST818, GDI-EXSNDST819, GDI-EXSNDST820

Test Model No.: GDI-EXSNDST800

Brand Name: ECOXGEAR

FCC ID: 2AAUI-GDIEXSNDST

 Standards:
 47 CFR Part 15, Subpart C

 Date of Test:
 2019-03-08 to 2019-04-10

Date of Issue: 2019-04-10
Test Result: PASS*

Tested By:

(Daisy Qin)

Reviewed By:

(Aaron Ma)

OUD

Approved By:

(Jack Ai)



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

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.



Report No.: CQASZ20190300002EX-02

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20190300002EX-02	Rev.01	Initial report	2019-04-10





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



3 Contents

			Page
1	VE	ERSION	2
2	TE	EST SUMMARY	3
		ONTENTS	
3			
4	GE	ENERAL INFORMATION	5
	4.1	CLIENT INFORMATION	5
	4.2	GENERAL DESCRIPTION OF EUT	5
	4.3	TEST ENVIRONMENT	
	4.4	DESCRIPTION OF SUPPORT UNITS	
	4.5	STATEMENT OF THE MEASUREMENT UNCERTAINTY	
	4.6	TEST LOCATION	
	4.7	TEST FACILITY	
	4.8	DEVIATION FROM STANDARDS	
	4.9	OTHER INFORMATION REQUESTED BY THE CUSTOMER	
	4.10	EQUIPMENT LIST	10
5	TE	EST RESULTS AND MEASUREMENT DATA	11
	5.1	ANTENNA REQUIREMENT	11
	5.2	CONDUCTED EMISSIONS	
	5.3	CONDUCTED PEAK OUTPUT POWER	
	5.4	6DB OCCUPY BANDWIDTH	17
	5.5	POWER SPECTRAL DENSITY	
	5.6	BAND-EDGE FOR RF CONDUCTED EMISSIONS	21
	5.7	SPURIOUS RF CONDUCTED EMISSIONS	23
	5.8	RADIATED SPURIOUS EMISSION & RESTRICTED BANDS	28
	5.8	8.1 Spurious Emissions	28
6	Pŀ	HOTOGRAPHS - EUT TEST SETUP	34
	6.1	RADIATED SPURIOUS EMISSION	34
	6.2	CONDUCTED EMISSION	35
7	Pŀ	HOTOGRAPHS - EUT CONSTRUCTIONAL DETAILS	36



Report No.: CQASZ20190300002EX-02

4 General Information

4.1 Client Information

Applicant:	Grace Digital Inc
Address of Applicant:	10531 4S Commons Drive #166 Suite #430 San Diego, CA 92127,United States
Manufacturer:	NEO Telecom Corporation
Address of Manufacturer:	7F, 674-24, Anyang Dong, Manan Gu, Anyang City, Kyunggi Do South Korea

4.2 General Description of EUT

Product Name:	EcoSoundstation			
All Model No.:	GDI-EXSNDST800, GDI-EXSNDST801, GDI-EXSNDST802,			
	GDI-EXSNDST803, GDI-EXSNDST804, GDI-EXSNDST805,			
	GDI-EXSNDST806, GDI-EXSNDST807, GDI-EXSNDST808,			
	GDI-EXSNDST809, GDI-EXSNDST8010, GDI-EXSNDST811,			
	GDI-EXSNDST812, GDI-EXSNDST813, GDI-EXSNDST814,			
	GDI-EXSNDST815, GDI-EXSNDST816, GDI-EXSNDST817,			
	GDI-EXSNDST818, GDI-EXSNDST819, GDI-EXSNDST820			
Test Model No.:	GDI-EXSNDST800			
Trade Mark:	ECOXGEAR			
Hardware Version:	V1.0			
Software Version:	V1.0			
Operation Frequency:	2402MHz~2480MHz			
Bluetooth Version:	V4.2			
Modulation Type:	GFSK			
Transfer Rate:	1Mbps			
Number of Channel:	40			
Product Type:				
Antenna Type:	PCB antenna			
Antenna Gain:	0dBi			
EUT Power Supply:	battery:DC12V			
	AC 120V 50/60Hz			

Note:

There are many products, Only the model GDI-EXSNDST800 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color of appearance and model name.



Report No.: CQASZ20190300002EX-02

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



Report No.: CQASZ20190300002EX-02

4.3 Test Environment

Operating Environment:	Operating Environment:			
Temperature:	25.0 °C			
Humidity:	53 % RH			
Atmospheric Pressure: 1010mbar				
Test Mode:	Use test software 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%.			

4.4 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.	Remark	FCC certification
/	/	/	/	/





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	time	0.6 %.	(1)
14	Frequency 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.



Report No.: CQASZ20190300002EX-02

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:

ISED#: 22984

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements

• 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.





4.10 Equipment List

			Instrument	Calibration	Calibration
Test Equipment	Manufacturer	Model No.	No.	Date	Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2018/09/26	2019/09/25
Spectrum analyzer	R&S	FSU26	CQA-038	2018/10/28	2019/10/27
Preamplifier	MITEQ	AFS4-00010300-18-10P-	CQA-035	2018/09/26	2019/09/25
Preamplifier	MITEQ	AMF-6D-02001800-29- 20P	CQA-036	2018/11/02	2019/11/01
Loop antenna	Schwarzbeck	FMZB1516	CQA-087	2018/10/28	2020/10/27
Bilog Antenna	R&S	HL562	CQA-011	2018/09/26	2020/09/25
Horn Antenna	R&S	HF906	CQA-012	2018/09/26	2020/09/25
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2018/09/26	2020/09/25
Coaxial Cable (Above 1GHz)	CQA	N/A	C019	2018/09/26	2019/09/25
Coaxial Cable (Below 1GHz)	CQA	N/A	C020	2018/09/26	2019/09/25
Spectrum analyzer	Agilent	E4440A	CQA-103	2018/10/28	2018/10/27
Antenna Connector	CQA	RFC-01	CQA-080	2018/09/26	2019/09/25
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2018/09/26	2019/9/25
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2018/09/26	2019/09/25
EMI Test Receiver	R&S	ESPI3	CQA-013	2018/09/26	2019/09/25
LISN	R&S	ENV216	CQA-003	2018/11/05	2019/11/04
Coaxial cable	CQA	N/A	CQA-C009	2018/09/26	2019/09/25

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)

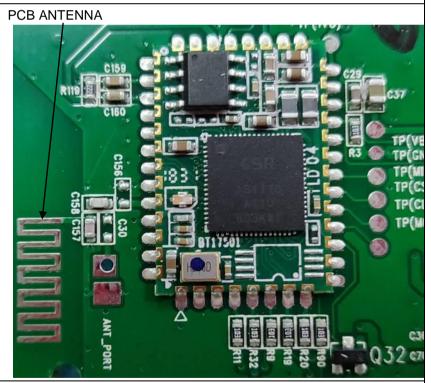
15.203 requirement:

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:



The antenna is PCB antenna. The best case gain of the antenna is 0dBi.





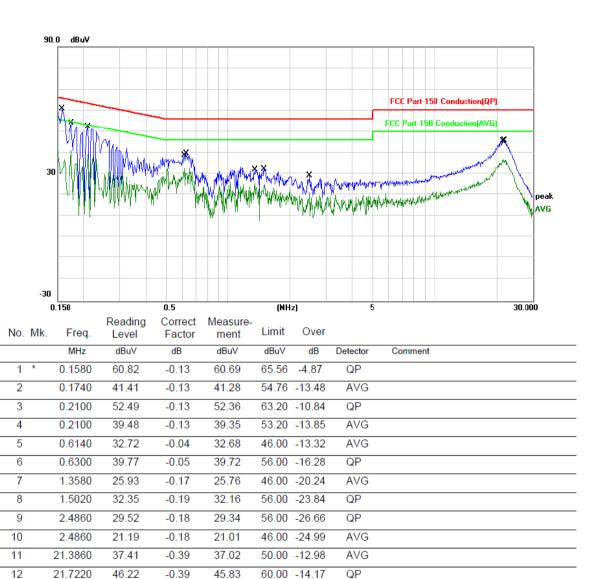
5.2 Conducted Emissions

T 15 1	17.0ED D 1450.0 " 454	~~~		
Test Requirement:	47 CFR Part 15C Section 15.207			
Test Method:	ANSI C63.10: 2013			
Test Frequency Range:	150kHz to 30MHz			
Limit:	Fraguency range (MHz)	Limit (c	Limit (dBuV)	
	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.		
	1) The mains terminal disturb room. 2) The EUT was connected Impedance Stabilization N impedance. The power connected to a second LIS plane in the same way a multiple socket outlet strip single LISN provided the rassingle LI	to AC power source etwork) which provides cables of all other SN 2, which was bonde as the LISN 1 for the was used to connect reating of the LISN was raced upon a non-metand for floor-standing around reference plane. It a vertical ground referom the vertical grouplane was bonded N 1 was placed 0.8 m	through a LISN 1 (List a 50Ω/50μH + 5Ω line units of the EUT we not to the ground reference unit being measured. If the first above the table 0.8m above the trangement, the EUT we reference plane. The rearn to the horizontal group from the boundary of the same and reference plane.	ine ear ere nce . A to a the was
	unit under test and bon mounted on top of the grouthe closest points of the Land associated equipment 5) In order to find the maximuland all of the interface call ANSI C63.10: 2013 on con	und reference plane. T LISN 1 and the EUT. A was at least 0.8 m from um emission, the relation les must be changed	his distance was betwe All other units of the El m the LISN 2. ve positions of equipme	een UT
Test Setup:	Shielding Room EUT AC Mains LISN1	AE LISN2 → AC Ma Ground Reference Plane	Test Receiver	
Test Mode:	Transmitting with GFSK modu	ılation. Charge +Trans	mitting mode.	
Test Results:	Pass			



Measurement Data

L line:

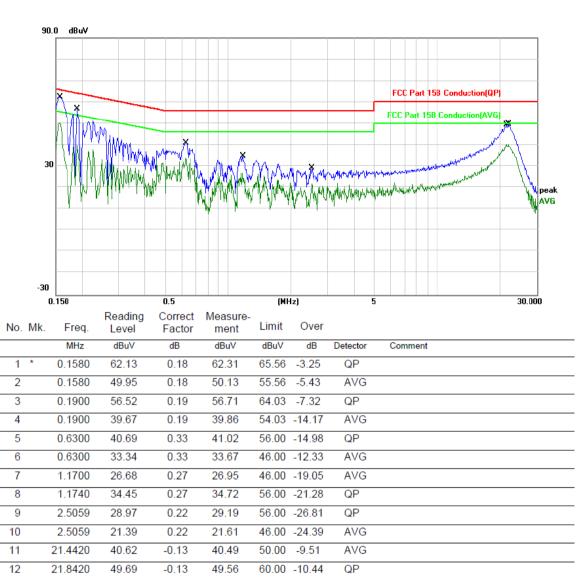


Remark:

- 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.



N line:



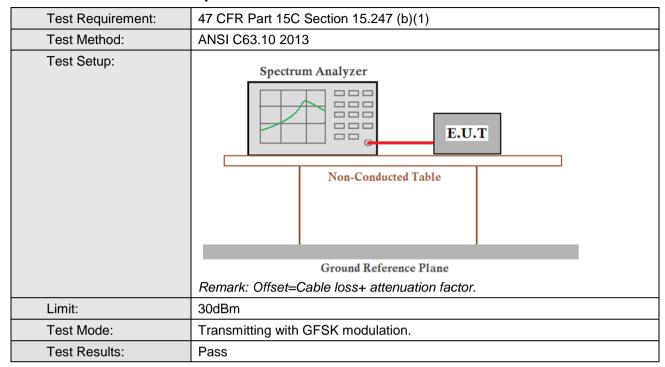
Remark:

- 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.



Report No.: CQASZ20190300002EX-02

5.3 Conducted Peak Output Power



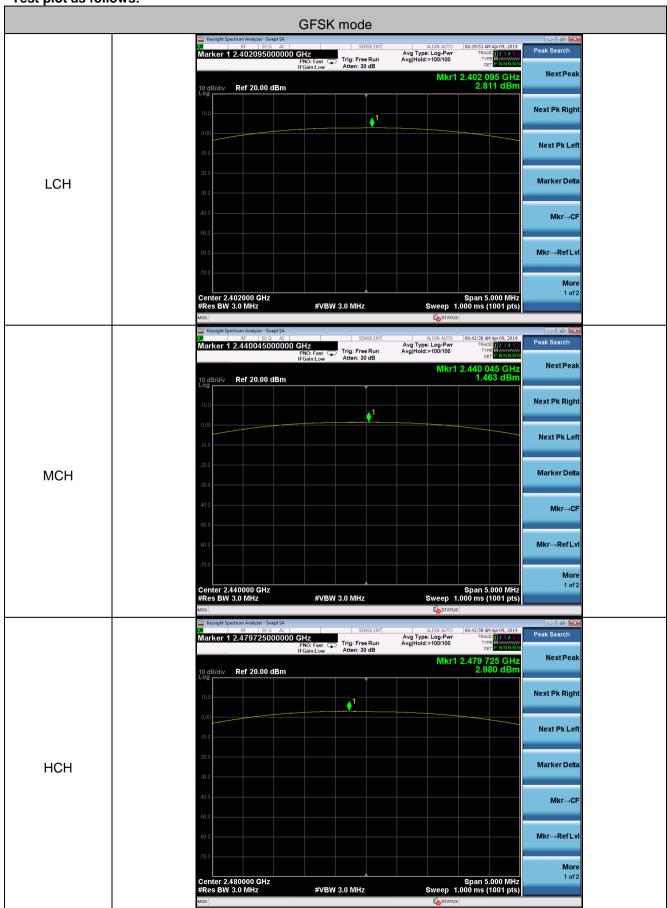
Measurement Data

GFSK mode (1Mbps)						
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result			
Lowest	2.811	30.00	Pass			
Middle	1.463	30.00	Pass			
Highest	2.980	30.00	Pass			



Report No.: CQASZ20190300002EX-02

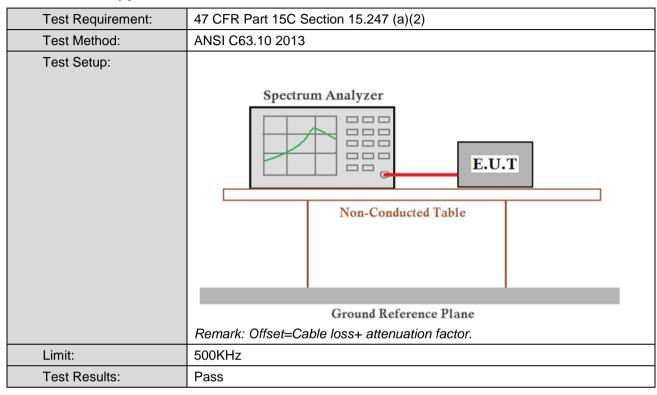
Test plot as follows:







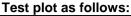
5.4 6dB Occupy Bandwidth

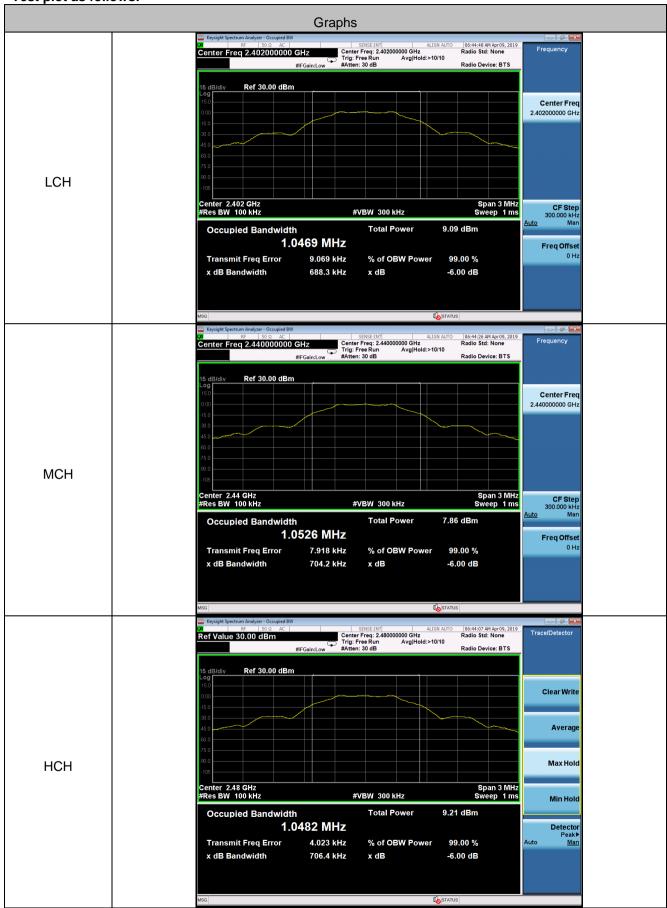


Measurement Data

GFSK mode							
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result				
Lowest	0.6883	>500	Pass				
Middle	0.7042	>500	Pass				
Highest	0.7064	>500	Pass				



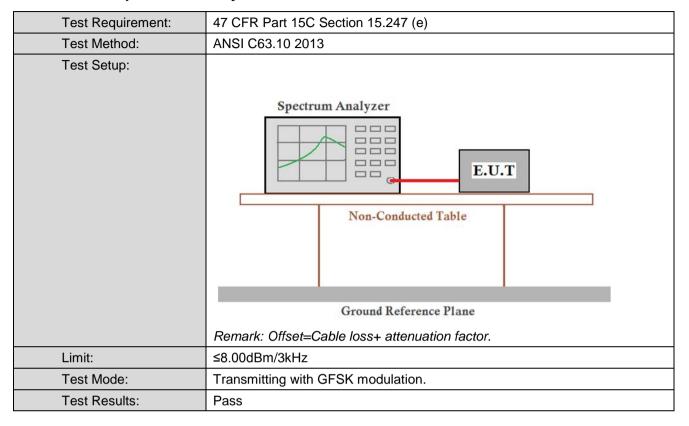






Report No.: CQASZ20190300002EX-02

5.5 Power Spectral Density

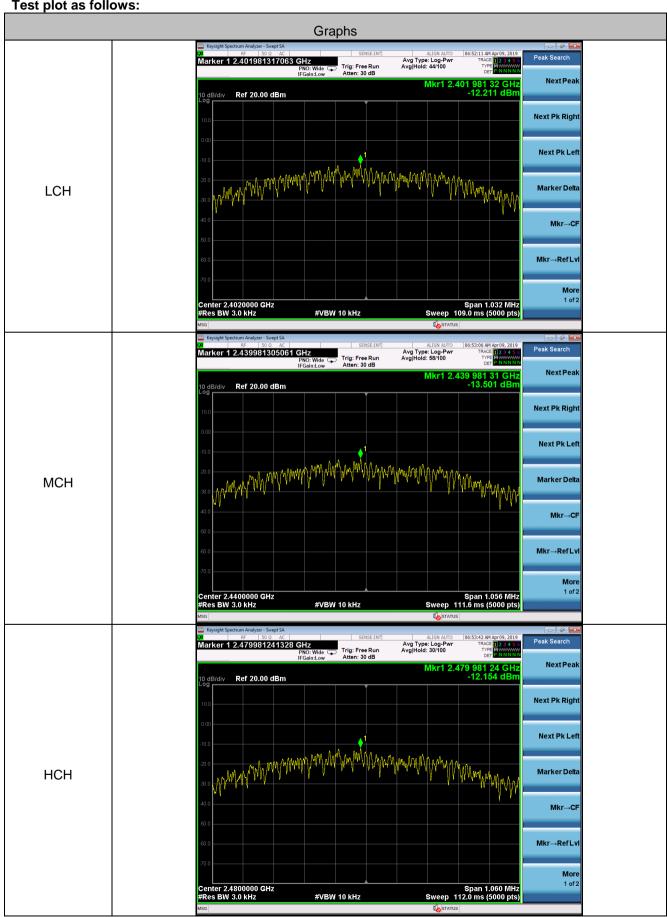


Measurement Data

GFSK mode							
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result				
Lowest	-12.211	≤8.00	Pass				
Middle	-13.501	≤8.00	Pass				
Highest	-12.154	≤8.00	Pass				



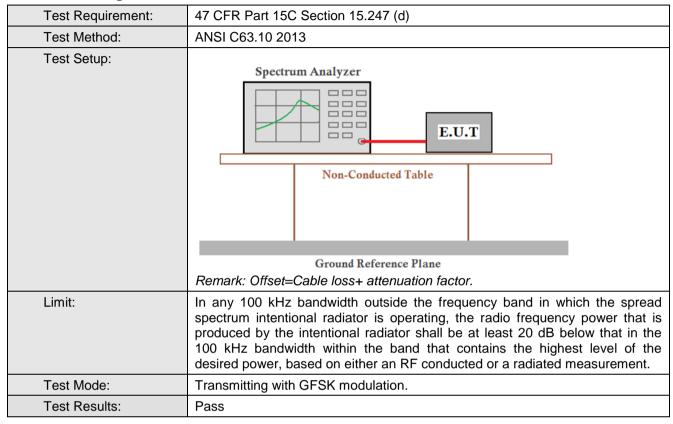
Test plot as follows:







5.6 Band-edge for RF Conducted Emissions



left band-edge						
Frequency(MHz)	Emission Level(dBm)	Limit(dBm)	Result			
2390	-59.562	-17.90	Pass			
2400	-55.094	-17.90	Pass			

right band-edge							
Frequency(MHz)	Emission Level(dBm)	Limit(dBm)	Result				
2483.5	-57.732	-17.73	Pass				
2500	-59.068	-17.73	Pass				



Report No.: CQASZ20190300002EX-02

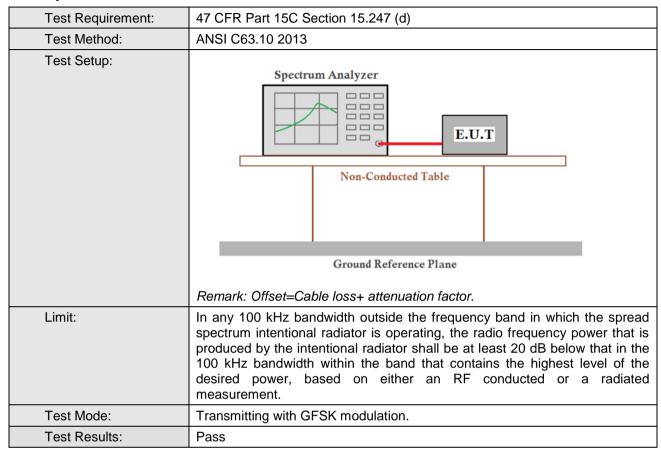
Test plot as follows:







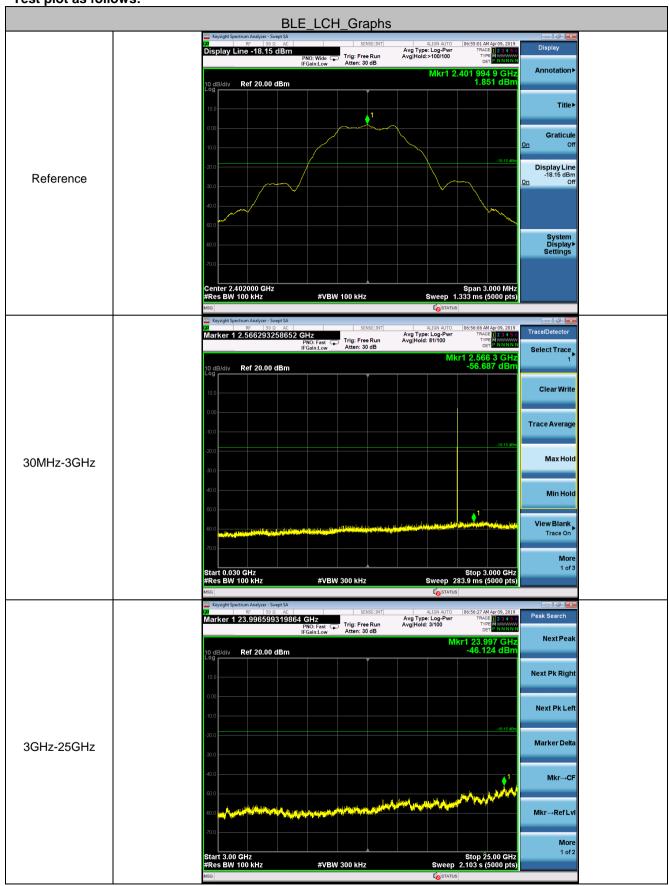
5.7 Spurious RF Conducted Emissions

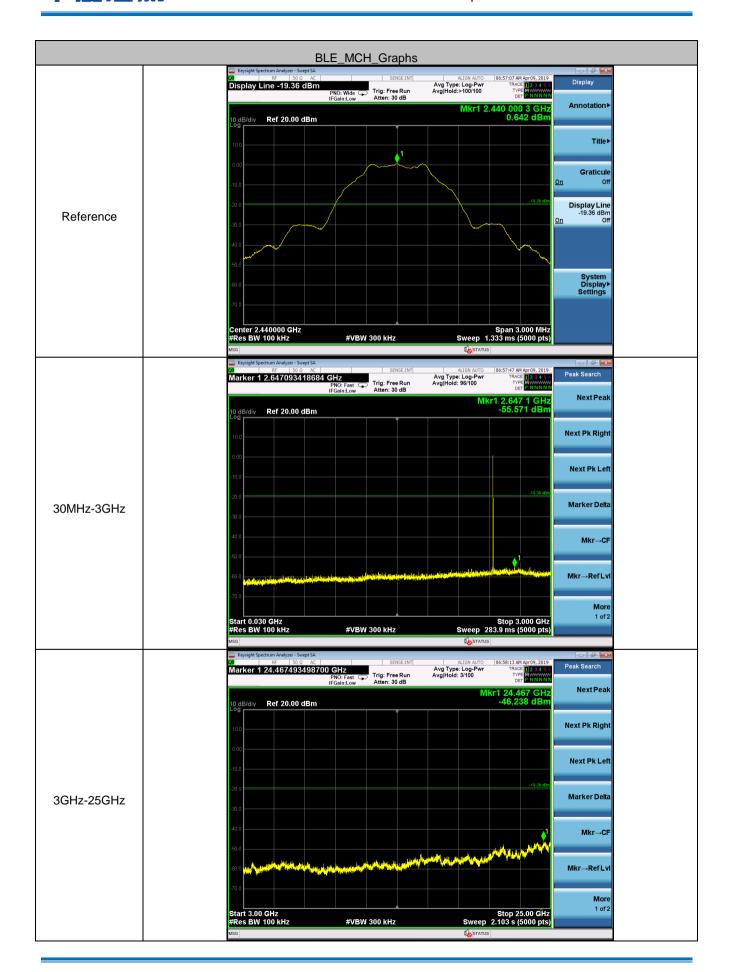


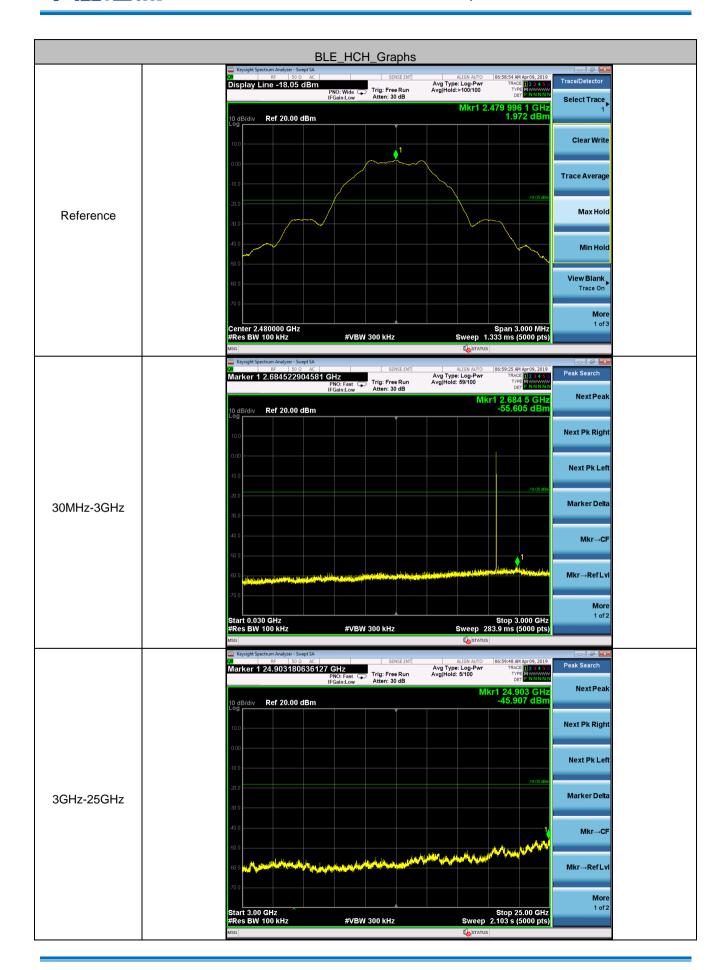


Report No.: CQASZ20190300002EX-02

Test plot as follows:









Report No.: CQASZ20190300002EX-02

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.



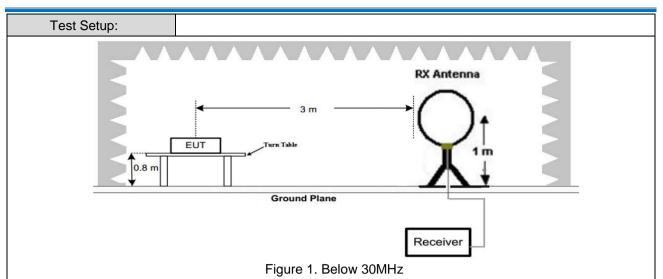
Report No.: CQASZ20190300002EX-02

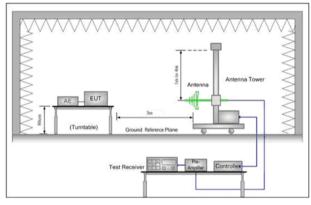
5.8 Radiated Spurious Emission & Restricted bands

5.8.1 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	n (Semi-Anech	noic Cham	ber)				
Receiver Setup:	Frequency Detector			RBW	VBW	Remark			
	0.009MHz-0.090MH	Z	Peak	10kHz	z 30kHz	Peak			
	0.009MHz-0.090MH	z	Average	10kHz	z 30kHz	Average			
	0.090MHz-0.110MH	Z	Quasi-peak	10kHz	z 30kHz	Quasi-peak			
	0.110MHz-0.490MH	z	Peak	10kHz	z 30kHz	Peak			
	0.110MHz-0.490MH	z	Average	10kHz	z 30kHz	Average			
	0.490MHz -30MHz	Quasi-peak	10kHz	z 30kHz	Quasi-peak				
	30MHz-1GHz Quasi-pea			100 kH	Iz 300kHz	Quasi-peak			
	Al- 200 4 OU I-		Peak	1MHz	3MHz	Peak			
	Above 1GHz		Peak	1MHz	10Hz	Average			
Limit:	Frequency		eld strength crovolt/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)	-	ı	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		500	54.0	Quasi-peak	3			
	Above 1GHz 500			54.0	Average	3			
	Note: 15.35(b), frequency emissions is limit applicable to the epeak emission level race	20c quip	dB above the oment under t	maximum est. This p	permitted ave	erage emission			



Report No.: CQASZ20190300002EX-02





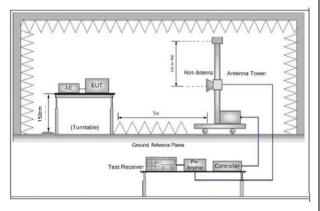


Figure 2. 30MHz to 1GHz

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.

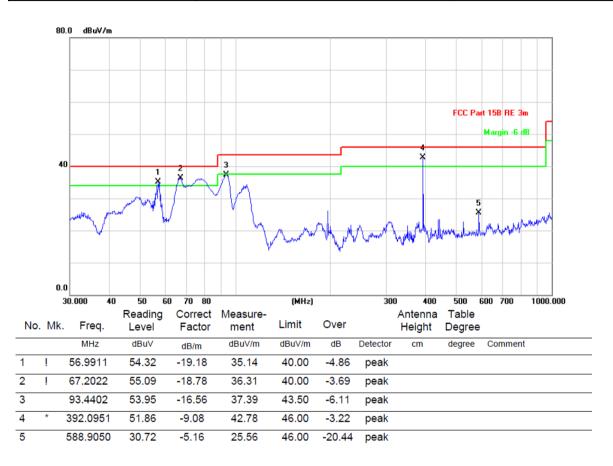
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical 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	Transmitting with GFSK modulation.
Mode:	Transmitting mode, Charge + Transmitting mode.
Final Test Mode:	Transmitting with GFSK modulation.
	Pretest the EUT at Transmitting mode and Charge + Transmitting mode, found the Charge + Transmitting mode which it is worse case.
	For below 1GHz part, through pre-scan, the worst case is the highest channel.
	Only the worst case is recorded in the report.
Test Results:	Pass

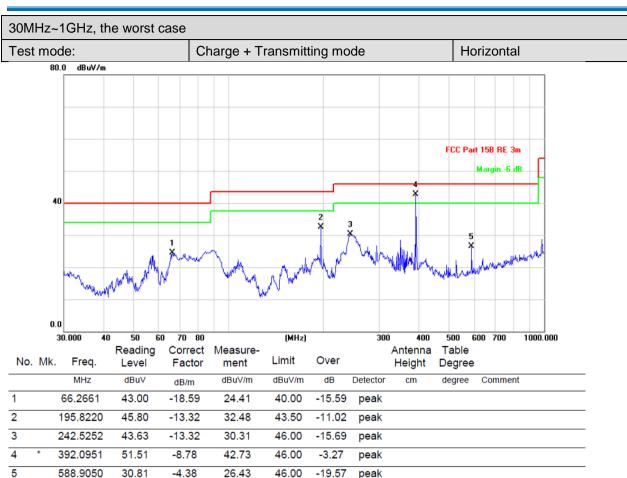


Radiated Emission below 1GHz					
30MHz~1GHz, the worst case					
Test mode: Charge + Transmitting mode Vertical					





Report No.: CQASZ20190300002EX-02



-19.57

peak





Transmitter Emission above 1GHz

Worse case m	ode:	GFSK		Test chann	el:	Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	H/V
2390	56.18	-9.2	46.98	74	-27.02	Peak	Н
2400	56.58	-9.39	47.19	74	-26.81	Peak	Н
4804	53.86	-4.33	49.53	74	-24.47	Peak	Н
7206	49.61	1.01	50.62	74	-23.38	Peak	Н
2390	54.72	-9.2	45.52	74	-28.48	Peak	V
2400	52.93	-9.39	43.54	74	-30.46	Peak	V
4804	54.13	-4.33	49.80	74	-24.20	Peak	V
7206	49.19	1.01	50.20	74	-23.80	Peak	V

Worse case m	mode: 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	51.04	-4.11	46.93	74	-27.07	Peak	Н
7320	49.34	1.51	50.85	74	-23.15	Peak	Н
4880	51.51	-4.11	47.40	74	-26.60	Peak	V
7320	49.93	1.51	51.44	74	-22.56	Peak	V

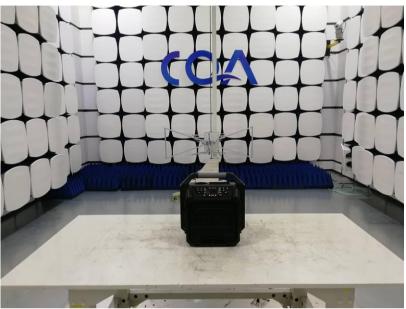
Worse case m	ode:	GFSK		Test channel:		Highest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	H/V
2483.5	56.45	-9.29	47.16	74	-26.84	Peak	Н
4960	50.54	-4.04	46.50	74	-27.50	Peak	Н
7440	49.51	1.57	51.08	74	-22.92	Peak	Н
2483.5	57.94	-9.29	48.65	74	-25.35	Peak	V
4960	49.80	-4.04	45.76	74	-28.24	Peak	V
7440	48.27	1.57	49.84	74	-24.16	Peak	V

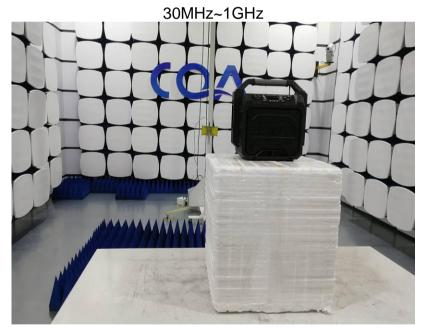
Remark:

- 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

6.1 Radiated Spurious Emission





Above 1GHz





6.2 Conducted Emission



Photographs - EUT Constructional Details 7



















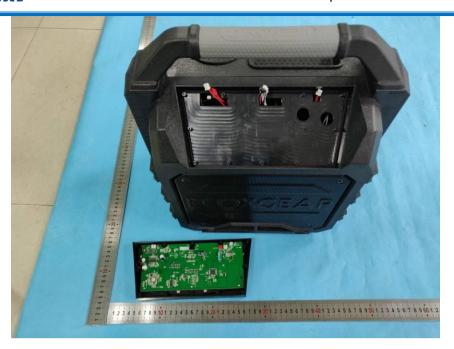








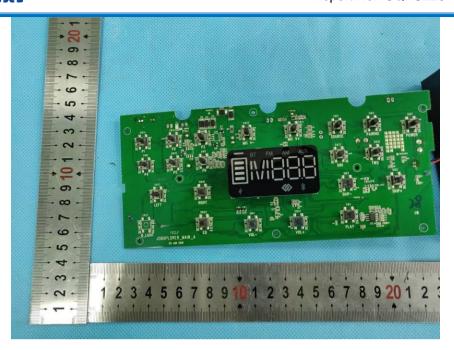


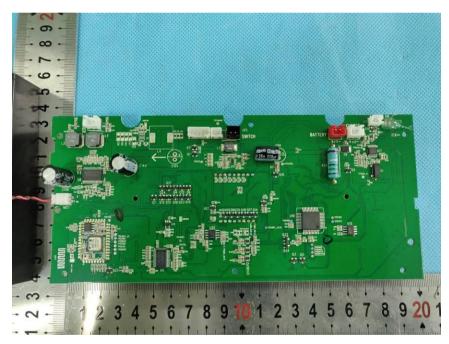






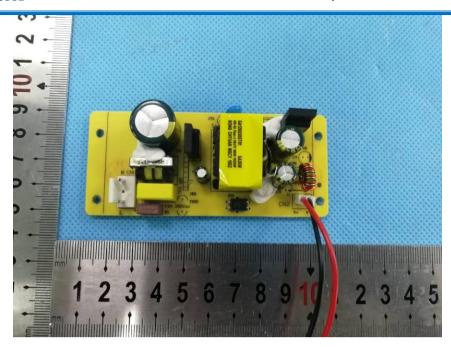


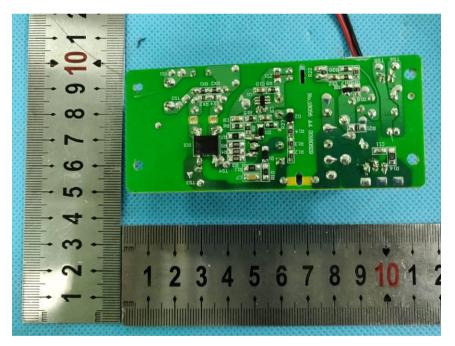








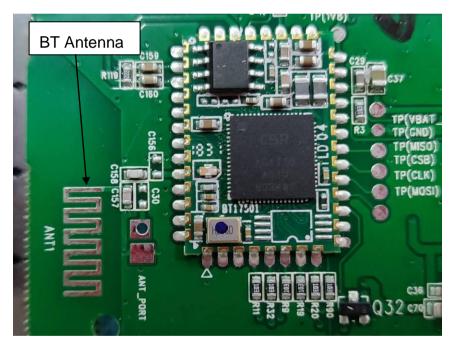






Report No.: CQASZ20190300002EX-02





The End