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Website: www.cqa-cert.com Report Template Revision Date: 2018-07-06

Report Template Version: V04

TEST REPORT

CQASZ20201001196E-01 Report No.:

Applicant: Chengdu Ebyte Electronic Technology Co., Ltd.

Address of Applicant: Building B5, Mould Industrial Park, 199# Xiqu Ave, West High-tech Zone,

Chengdu, 611731, Sichuan, China

Equipment Under Test (EUT):

EUT Name: Wireless transceiver

Model No.: E180-ZG120B

Brand Name: EBYTE

FCC ID: 2ALPH-E180ZG120B

Standards: 47 CFR Part 15, Subpart C

Date of Receipt: 2020-10-13

Date of Test: 2020-10-13 to 2020-10-23

Date of Issue: 2020-10-23 **Test Result:** PASS*

*In the configuration tested, the EUT complied with the standards specified above

Tested By: (Martin Lee)

Reviewed By:

(Sheek Luo)





Report No.: CQASZ20201001196E-01

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20201001196E-01	Rev.01	Initial report	2020-10-23





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:	Chengdu Ebyte Electronic Technology Co., Ltd.
Address of Applicant:	Building B5, Mould Industrial Park, 199# Xiqu Ave, West High-tech Zone, Chengdu, 611731, Sichuan, China
Manufacturer:	Chengdu Ebyte Electronic Technology Co., Ltd.
Address of Manufacturer:	Building B5, Mould Industrial Park, 199# Xiqu Ave, West High-tech Zone, Chengdu, 611731, Sichuan, China

4.2 General Description of EUT

Product Name:	Wireless transceiver
Model No.:	E180-ZG120B
Trade Mark:	EBYTE
Hardware Version:	v1.0
Software Version:	v1.0
Test sample SN:	W020554S00039, W020554S00591, W020554S00834
Operation Frequency:	2405MHz~2480MHz
Channel Numbers:	16
Channel Separation:	5MHz
Type of Modulation:	O-QPSK
Product Type:	☐ Mobile ☐ Portable ☐ Fix Location
Test Software of EUT:	RF Test (manufacturer declare)
Antenna Type:	External antenna
Antenna Gain:	0dBi
EUT Power Supply:	DC 3.3V



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Operation F	Operation Frequency each of channel						
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2405MHz	5	2425MHz	9	2445MHz	13	2465MHz
2	2410MHz	6	2430MHz	10	2450MHz	14	2470MHz
3	2415MHz	7	2435MHz	11	2455MHz	15	2475MHz
4	2420MHz	8	2440MHz	12	2460MHz	16	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	2405MHz
The middle channel	2445MHz
The highest channel	2480MHz



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4.3 Additional Instructions

EUT Test Software Settings:				
Mode:	⊠Special software is used.			
	☐Through engineering command into the engineering mode.			
	engineering command: *#*#3646633#*#*			
Use test software to set the lowest frequency, the middle frequency and the highest frequency keep				
transmitting of the EUT.				

Run Software:



Remark: Automatically transmit a signal when it is electrified.

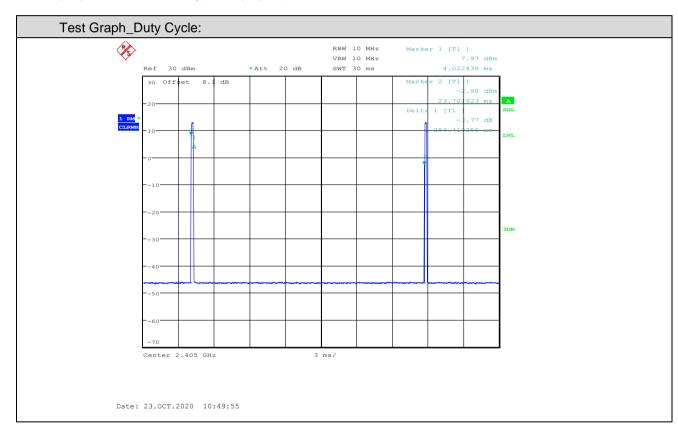


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Operated Mode for Worst Dut	y Cycle:			
Test Mode	Duty Cycle(x)	Average correction factor(dB)		
O-QPSK	1.3%	18.86		
Power Level:	Power Level:			
The lowest channel	14 dBm			
The middle channel	14 dBm			
The highest channel	14.5 dBm			

Remark:

- 1) Duty cycle= On Time/ Period;
- 2) Duty Cycle factor = 10 * log(1/ Duty cycle);







4.4 Test Environment

Operating Environment	
Radiated Emissions:	
Temperature:	25.1 °C
Humidity:	52 % RH
Atmospheric Pressure:	1009 mbar
Conducted Emissions:	
Temperature:	25.7 °C
Humidity:	56 % RH
Atmospheric Pressure:	1009 mbar
Radio conducted item to	est (RF Conducted test room):
Temperature:	25.3 °C
Humidity:	56 % RH
Atmospheric Pressure:	1009 mbar
Test mode:	
Transmitting mode:	Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.

4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
PC	Lenovo	ThinkPad E450c	FCC ID	CQA
2) Cable				
Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by





4.6 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	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.



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4.7 Test Location

Shenzhen Huaxia Testing Technology Co., Ltd,

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

4.8 Test Facility

• 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

4.9 Deviation from Standards

None.

4.10Other Information Requested by the Customer

None.



4.11 Equipment List

			Instrument	Calibration	Calibration
Test Equipment	Manufacturer	Model No.	No.	Date	Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2019/10/25	2020/10/24
Spectrum analyzer	R&S	FSU26	CQA-038	2019/10/25	2020/10/24
Preamplifier	MITEQ	AFS4-00010300-18- 10P-4	CQA-035	2019/10/25	2020/10/24
Preamplifier	MITEQ	AMF-6D-02001800- 29-20P	CQA-036	2019/10/25	2020/10/24
Preamplifier	EMCI	EMC184055SE	CQA-089	2020/9/25	2021/9/24
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2019/10/21 2020/10/21	2020/10/20 2021/10/20
Bilog Antenna	R&S	HL562	CQA-011	2020/9/26	2021/9/25
Horn Antenna	R&S	HF906	CQA-012	2020/9/26	2021/9/25
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2020/9/25	2021/9/24
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2020/9/26	2021/9/25
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2020/9/26	2021/9/25
Antenna Connector	CQA	RFC-01	CQA-080	2020/9/26	2021/9/25
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2020/9/26	2021/9/25
Power divider	MIDWEST	PWD-2533-02-SMA- 79	CQA-067	2020/9/26	2021/9/25
EMI Test Receiver	R&S	ESR7	CQA-005	2019/10/25	2020/10/24
LISN	R&S	ENV216	CQA-003	2019/10/23 2020/10/23	2020/10/22 2021/10/22
Coaxial cable	CQA	N/A	CQA-C009	2020/9/26	2021/9/25
DC power	KEYSIGHT	E3631A	CQA-028	2020/9/26	2021/9/25

Test software:

	Manufacturer	Software brand
Radiated Emissions test software	Tonscend	JS1120-3
Conducted Emissions test software	Audix	e3
RF Conducted test software	Audix	e3

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)

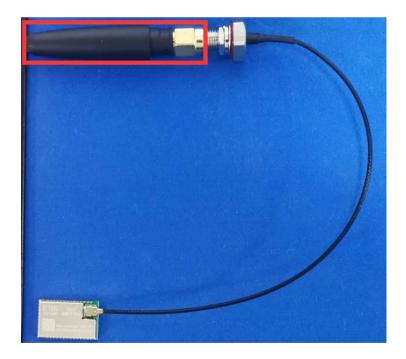
15.203 requirement:

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





5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207					
Test Method:	ANSI C63.10: 2013 150kHz to 30MHz					
Test Frequency Range:	150kHz to 30MHz					
Limit:	Fraguenov rongo (MHz)	Limit (c	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.				
Test Procedure:	 The mains terminal disturb room. 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 rational street on the horizontal ground reference plane. A placed on the horizontal ground reference plane with the EUT shall be 0.4 m vertical ground reference reference plane. The LISN unit under test and bon mounted on top of the grout the closest points of the LISN terms of the	to AC power source letwork) which provides cables of all other SN 2, which was bonders the LISN 1 for the was used to connect reating of the LISN was reaced upon a non-metal and for floor-standing a round reference plane. It is a vertical ground reference was bonded N 1 was placed 0.8 miled to a ground reference plane. The transfer of the reference plane was bonded N 1 was placed 0.8 miled to a ground reference plane.	through a LISN 1 (Line is a 50Ω/50μH + 5Ω linear units of the EUT were ed to the ground reference unit being measured. A multiple power cables to a not exceeded. Allic table 0.8m above the rrangement, the EUT was reference plane. The rear of and reference plane. The to the horizontal ground from the boundary of the ference plane for LISNs his distance was between			
	and associated equipment 5) In order to find the maximuland all of the interface call ANSI C63.10: 2013 on cor	was at least 0.8 m fro um emission, the relati bles must be changed	m the LISN 2. ve positions of equipment			
Test Setup:	Shielding Room EUT AC Mains LISN1	AE LISN2 AC Ma Ground Reference Plane	Test Receiver			
Test Mode:	Transmitting with O-QPSK at	lowest, middle and hig	hest channel.			
Final Test Mode:	Through Pre-scan, find at high	hest channel is the wor	rst case.			
	-					

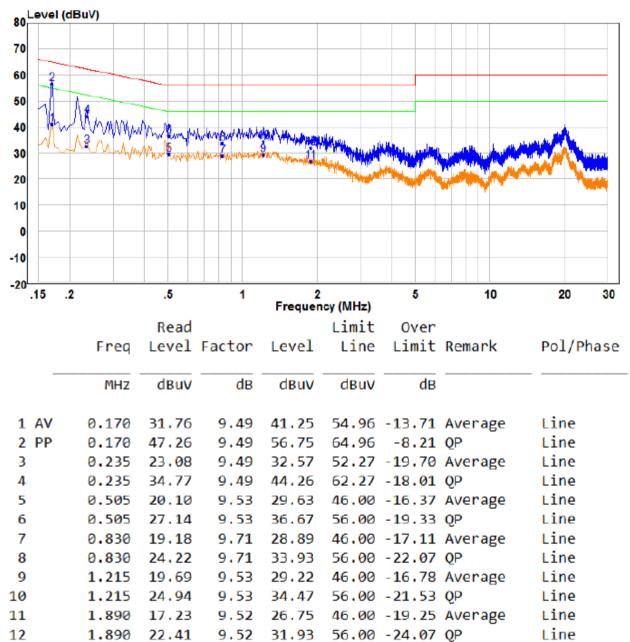


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	Only the worst case is recorded in the report.
Test Results:	Pass

Measurement Data

Live line:

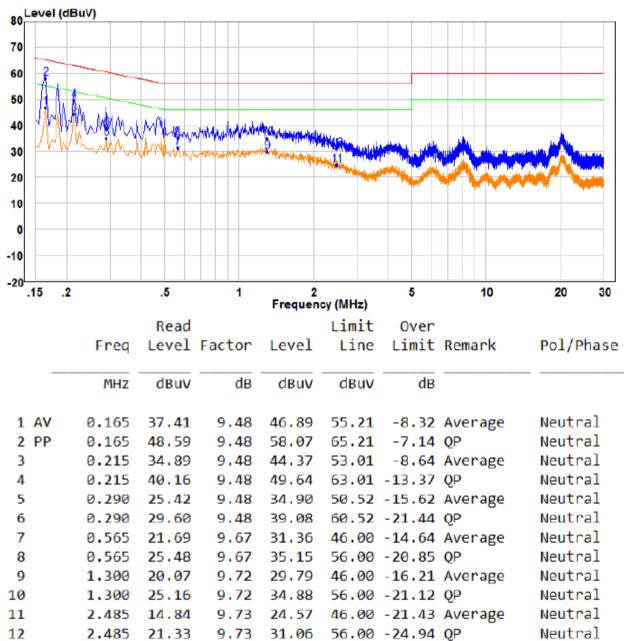


Remark:

- 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.



Neutral line:



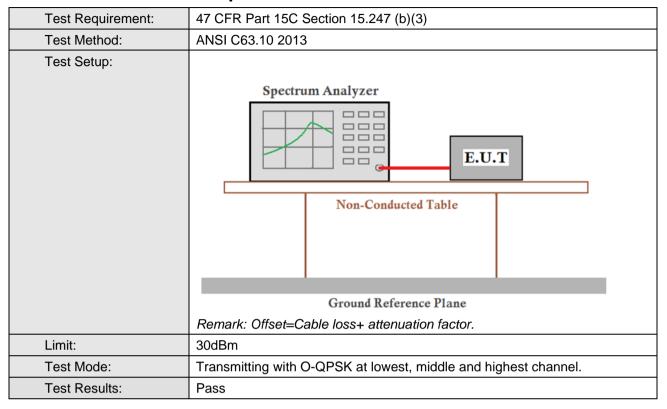
Remark:

- 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.





5.3 Conducted Peak Output Power

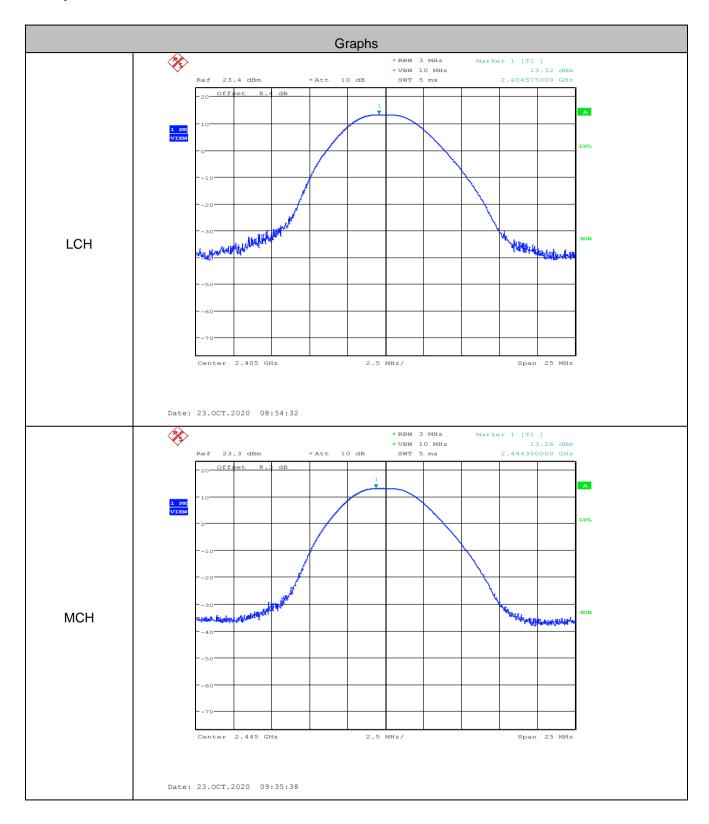


Measurement Data

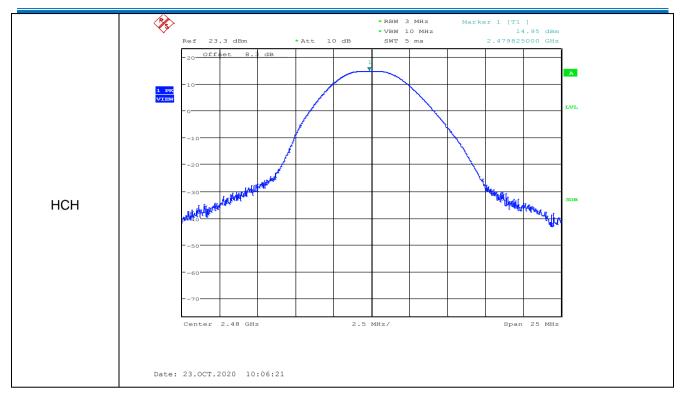
O-QPSK mode							
Test channel	Limit (dBm)	Result					
Lowest	13.32	30.00	Pass				
Middle	13.26	30.00	Pass				
Highest	14.95	30.00	Pass				



Test plot as follows:

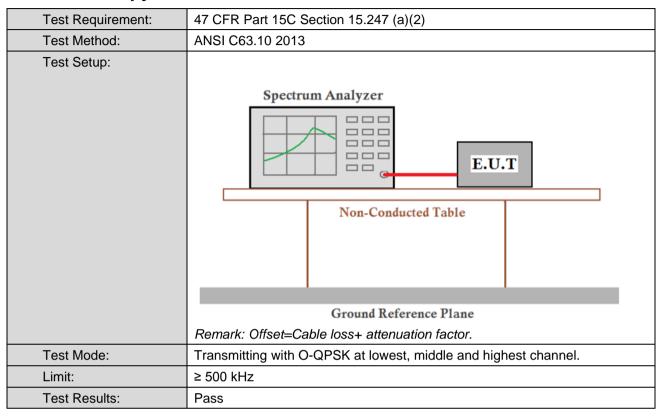








5.4 6dB Occupy Bandwidth

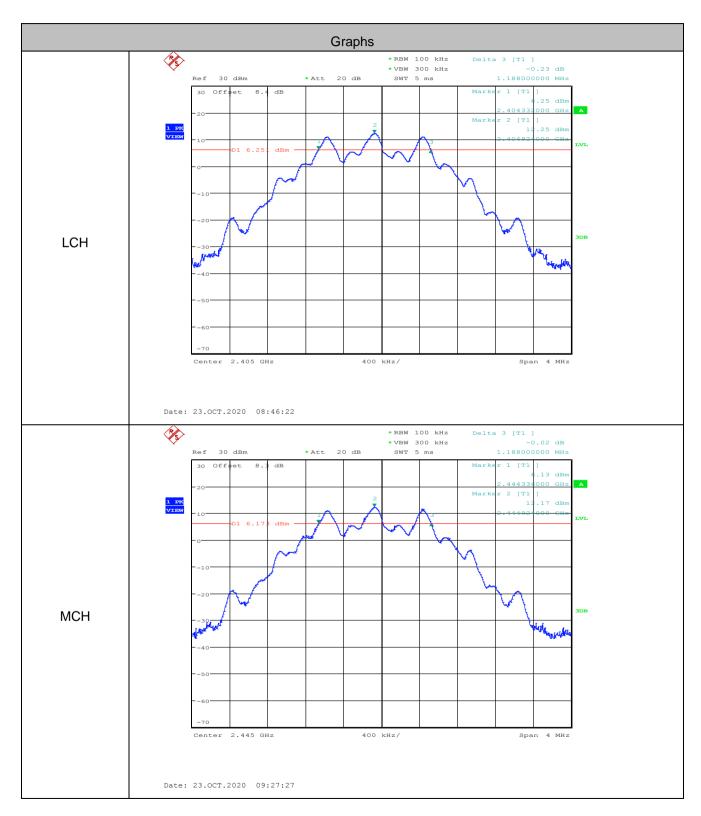


Measurement Data

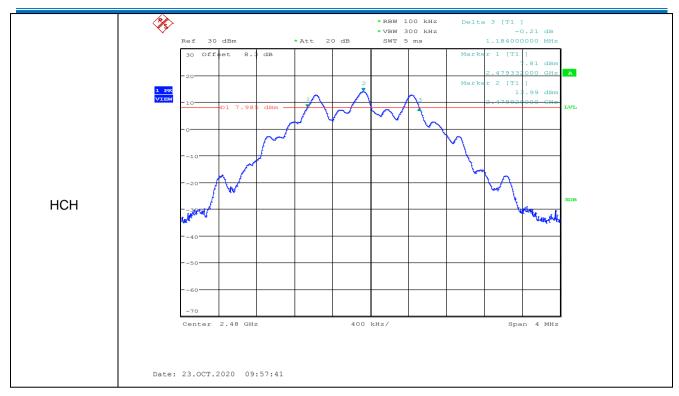
O-QPSK mode							
Test channel	6dB Occupy Bandwidth (MHz)	Limit (MHz)	Result				
Lowest	1.188	≥0.5	Pass				
Middle	1.188	≥0.5	Pass				
Highest	1.184	≥0.5	Pass				



Test plot as follows:



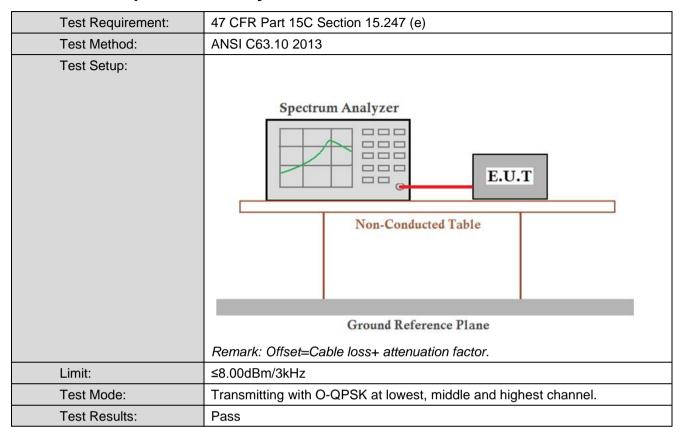








5.5 Power Spectral Density

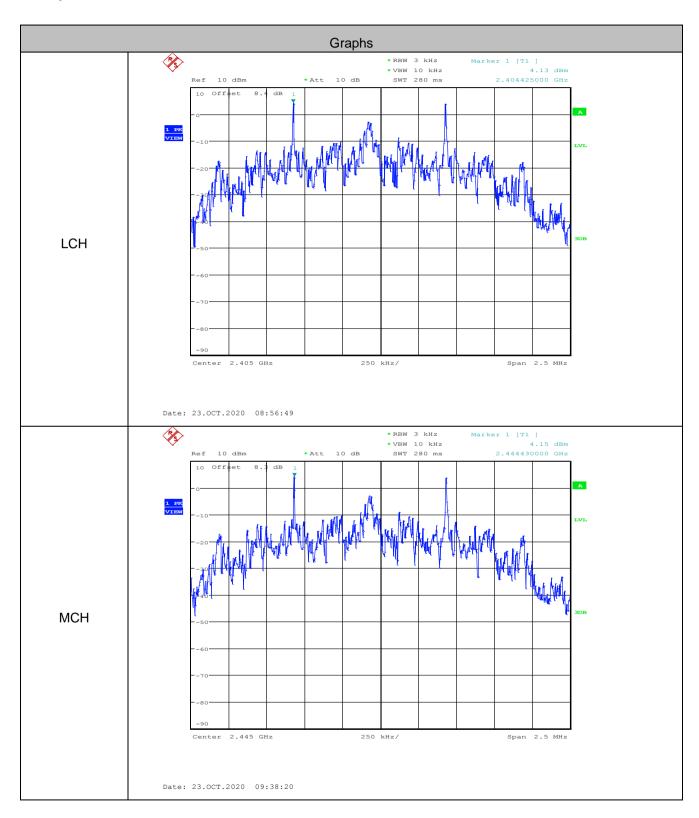


Measurement Data

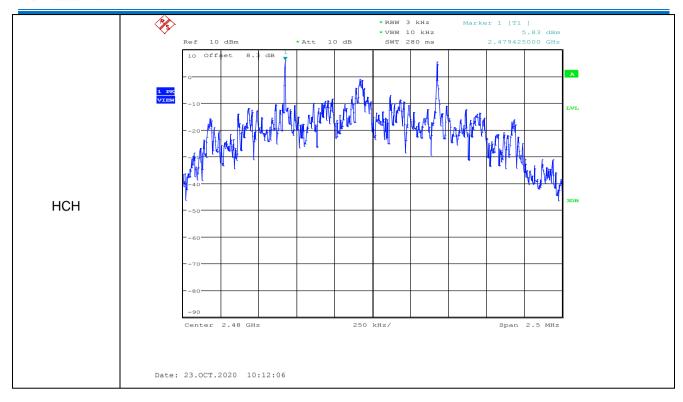
modouromont Data								
O-QPSK mode								
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result					
Lowest	4.130	≤8.00	Pass					
Middle	4.150	≤8.00	Pass					
Highest	5.830	≤8.00	Pass					



Test plot as follows:



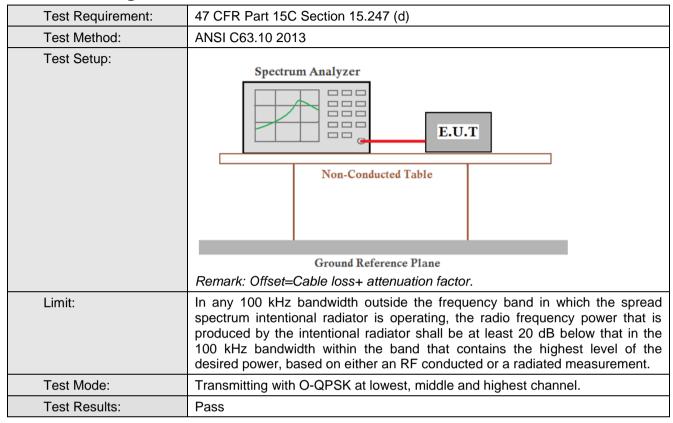








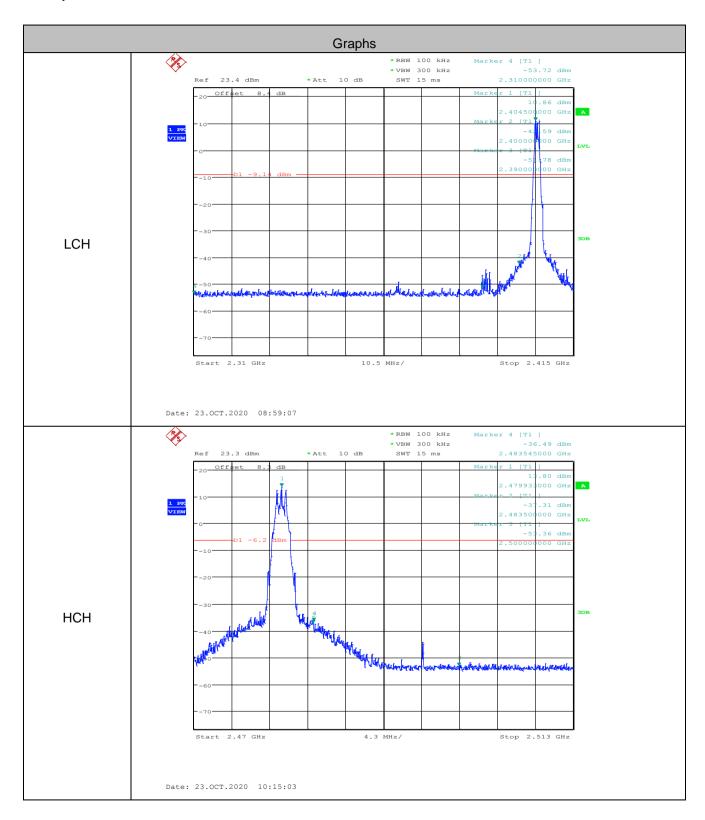
5.6 Band-edge for RF Conducted Emissions



O-QPSK mode									
Test channel	Frequency(MHz)	Emission Level(dBm)	Limit(dBm)	Result					
Lowest	2400	-42.590	-9.14	Pass					
Highest	2483.5	-37.310	-6.2	Pass					



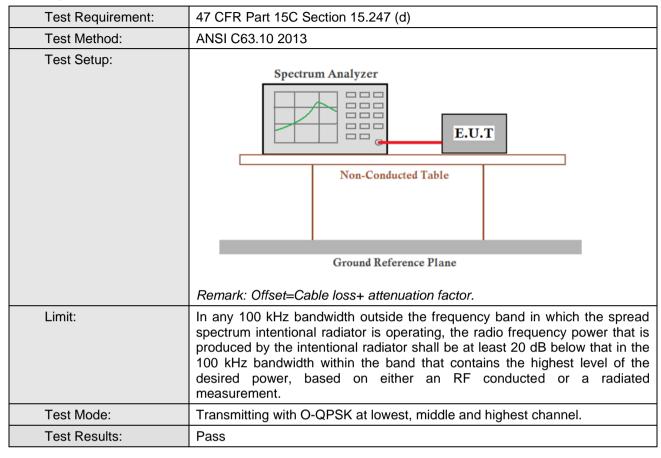
Test plot as follows:





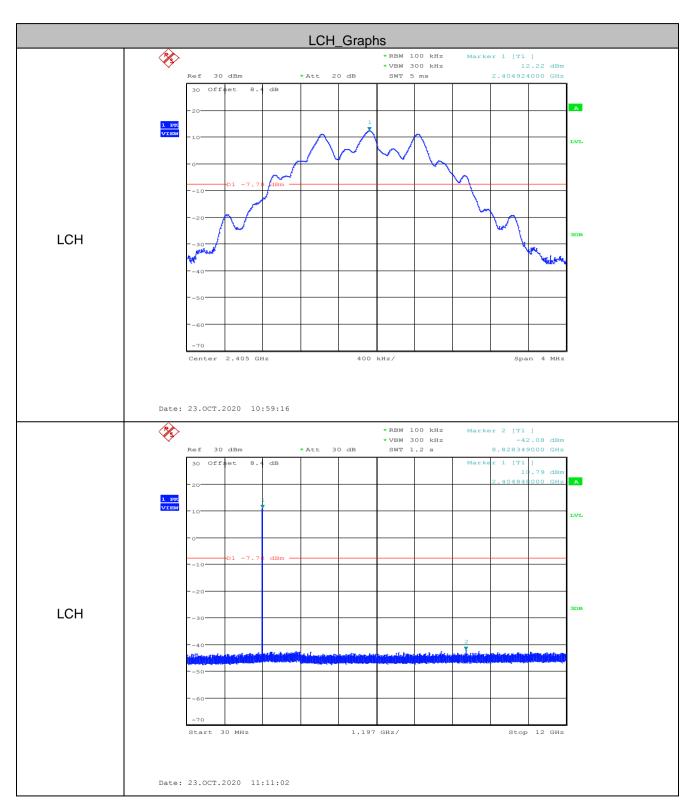


5.7 Spurious RF Conducted Emissions

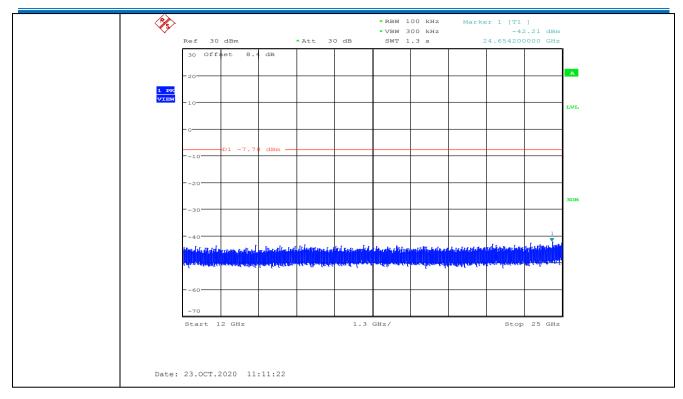




Test plot as follows:

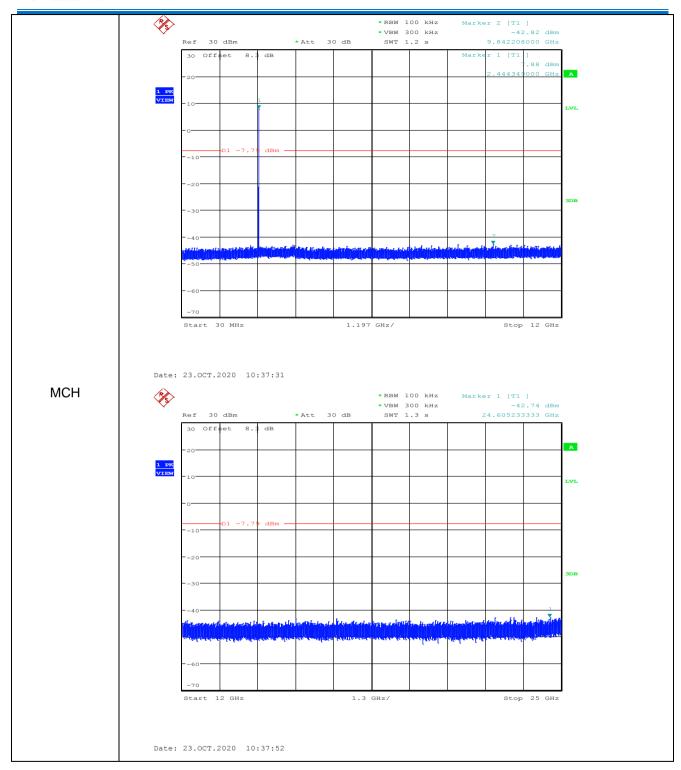




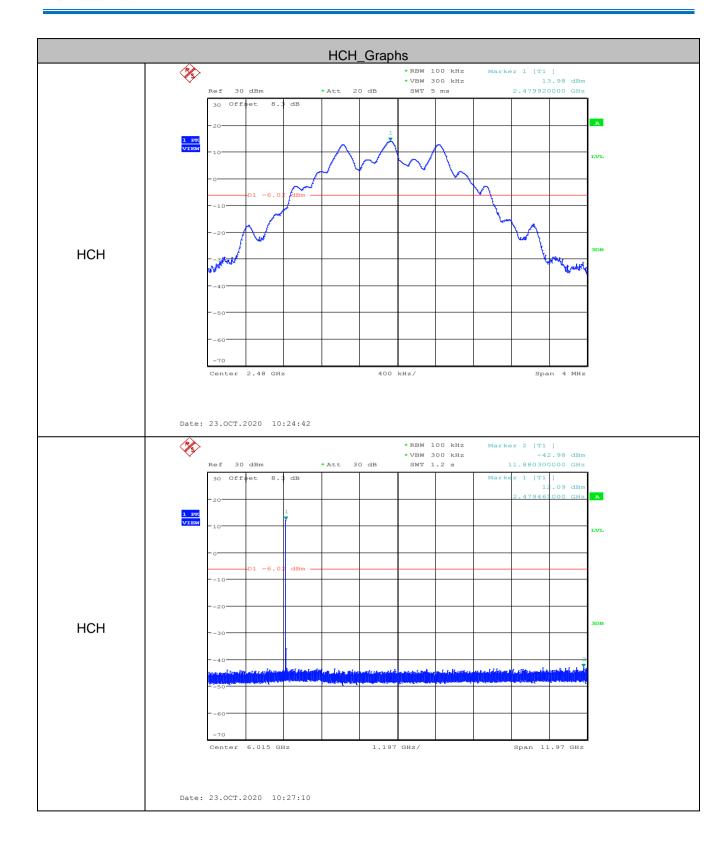






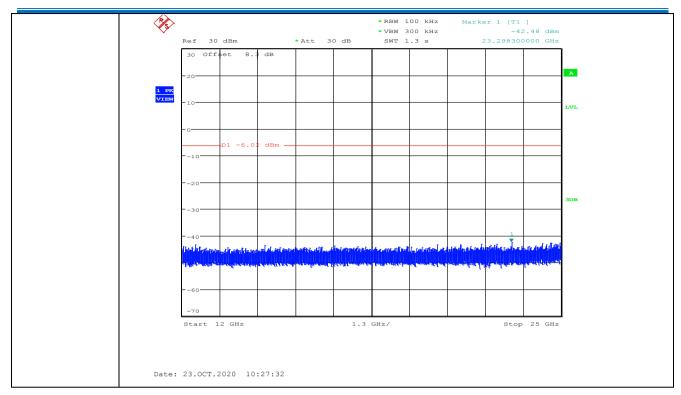








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Remark:

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.



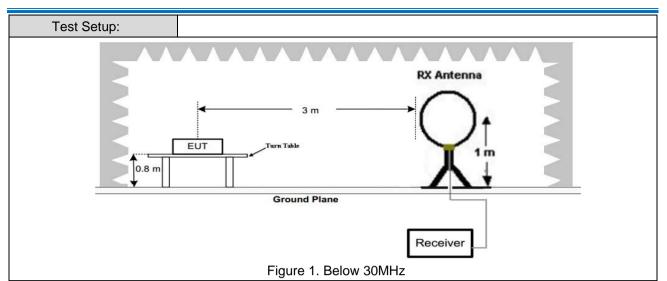


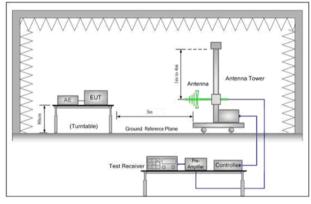
5.8 Radiated Spurious Emission & Restricted bands

5.8.1 Spurious Emissions								
Test Requirement:	47 CFR Part 15C Secti	on ´	15.209 and 15	.205				
Test Method:	ANSI C63.10 2013							
Test Site:	Measurement Distance	: 3n	n (Semi-Anecl	noic Cham	ber))		
Receiver Setup:	Frequency		Detector	RBW		VBW	Remark	
	0.009MHz-0.090MH	Z	Peak	10kHz	2	30kHz	Peak	
	0.009MHz-0.090MH	Z	Average	10kHz	<u> </u>	30kHz	Average	
	0.090MHz-0.110MHz		Quasi-peak	10kHz	<u>z</u>	30kHz	Quasi-peak	
	0.110MHz-0.490MH	Peak	10kHz	2	30kHz	Peak		
	0.110MHz-0.490MH	Z	Average	10kHz	<u> </u>	30kHz	Average	
	0.490MHz -30MHz	Quasi-peak	10kHz	<u>z</u>	30kHz	Quasi-peak		
	30MHz-1GHz Quas			100 kH	lz	300kHz	Quasi-peak	
	Above 1GHz		Peak	1MHz		3MHz	Peak	
			Peak	1MHz	:	10Hz ¹⁾	Average	
	1): VBW = 10 Hz or 1/T for		average leve	ls,				
	Mode		On Time	(msec)		1/ T Minimum VBW (kHz)		
	O-QPSK		0.25	.256		3.91		
Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)	F	Remark	Measuremen distance (m)	
	0.009MHz-0.490MHz	2	2400/F(kHz)	-	-		300	
	0.490MHz-1.705MHz	24	4000/F(kHz)	-		-	30	
	1.705MHz-30MHz		30	-		-	30	
	30MHz-88MHz		100	40.0	Qu	ıasi-peak	3	
	88MHz-216MHz		150	43.5	Qu	ıasi-peak	3	
	216MHz-960MHz		200	46.0	Qu	ıasi-peak	3	
	960MHz-1GHz		500	54.0	Qu	ıasi-peak	3	
	Above 1GHz		500	54.0	Α	Average	3	
	Note: 15.35(b), frequency emissions is limit applicable to the e peak emission level rad	20d quip	dB above the pment under t	maximum est. This p	perr	mitted ave	erage emission	



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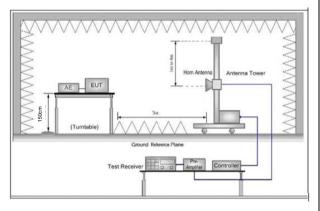


Figure 2. 30MHz to 1GHz

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.

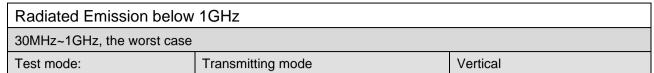
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical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

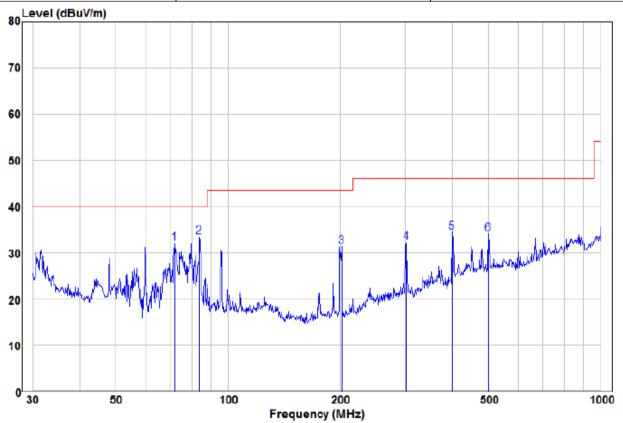


	measurement.
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to 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.
Test Mode:	Transmitting with O-QPSK at lowest, middle and highest channel.
Final Test Mode:	For below 1GHz, through Pre-scan, find at highest channel is the worst case.
	Only the worst case is recorded in the report.
Test Results:	Pass





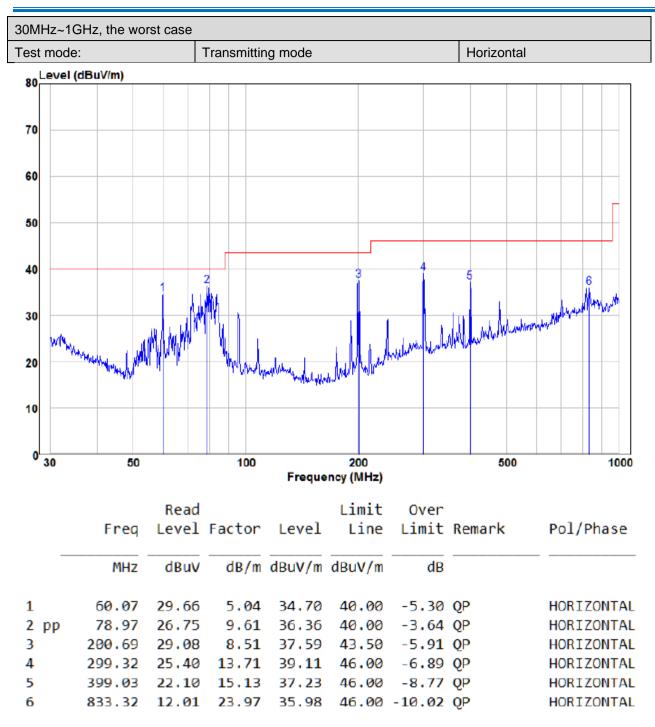




	Freq	Read Level	Factor	Level	Limit Line		Remark	Pol/Phase
_	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	72.08	23.62	8.49	32.11	40.00	-7.89	QP	VERTICAL
2 pp	83.82	23.53	9.88	33.41	40.00	-6.59	QP	VERTICAL
3	201.39	22.92	8.53	31.45	43.50	-12.05	Q P	VERTICAL
4	301.42	18.48	13.76	32.24	46.00	-13.76	QΡ	VERTICAL
5	399.03	19.25	15.13	34.38	46.00	-11.62	QΡ	VERTICAL
6	499.42	15.85	18.26	34.11	46.00	-11.89	OP	VERTICAL









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Transmitter Emission above 1GHz

Test mode:		O-QPSK		Test channel:		Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
2390	54.50	-9.2	45.30	74	-28.70	Peak	Н
2400	55.68	-9.39	46.29	74	-27.71	Peak	Н
4860	51.91	-4.33	47.58	74	-26.42	Peak	Н
7290	48.30	1.01	49.31	74	-24.69	Peak	Н
2390	52.39	-9.2	43.19	74	-30.81	Peak	V
2400	52.21	-9.39	42.82	74	-31.18	Peak	V
4860	54.23	-4.33	49.90	74	-24.10	Peak	V
7290	48.92	1.01	49.93	74	-24.07	Peak	V

Test mode:		O-QPSK		Test channel:		Middle	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V
4890	53.14	-4.11	49.03	74	-24.97	peak	Н
7335	48.75	1.51	50.26	74	-23.74	peak	Н
4890	53.14	-4.11	49.03	74	-24.97	peak	V
7335	50.62	1.51	52.13	74	-21.87	peak	V

Test mode:		O-QPSK		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	55.50	-9.29	46.21	74	-27.79	Peak	Н
4950	51.06	-4.04	47.02	74	-26.98	Peak	Н
7425	51.14	1.57	52.71	74	-21.29	Peak	Н
2483.5	56.15	-9.29	46.86	74	-27.14	Peak	V
4950	52.21	-4.04	48.17	74	-25.83	Peak	V
7425	51.17	1.57	52.74	74	-21.26	Peak	V

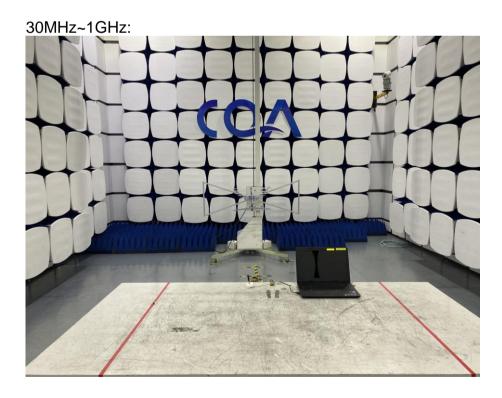
Remark:

- 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









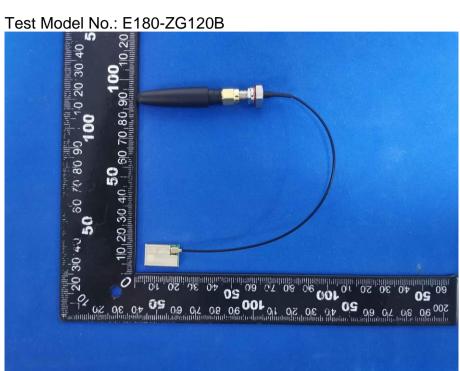


6.2 Conducted Emission





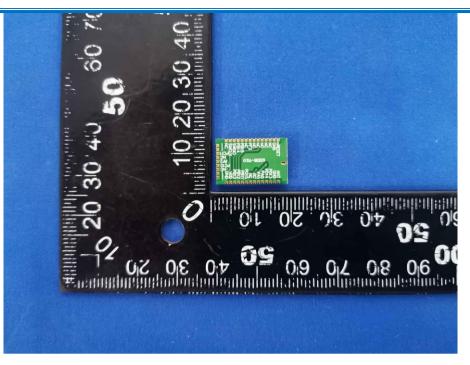
Photographs - EUT Constructional Details 7

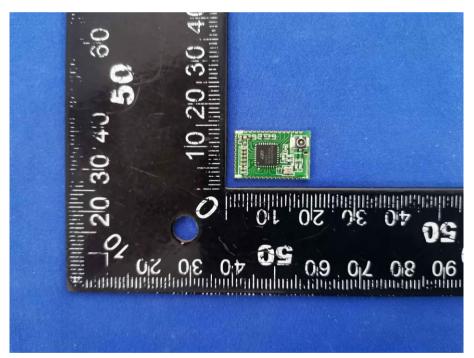














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The End