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

Report Template Version: V04

TEST REPORT

Report No.: CQASZ20201001193E-01

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.: E22-900T30S

Brand Name: EBYTE

FCC ID: 2ALPH-E22900T30S

Standards: 47 CFR Part 15, Subpart C

Date of Receipt: 2020-10-13

Date of Test: 2020-10-13 to 2020-11-06

Date of Issue: 2020-11-09
Test Result: PASS*

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

Tested By:

(Tiny You)

Sheek Luo

(Sheek Luo)

(Jack Ai)

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.





1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20201001193E-01	Rev.01	Initial report	2020-11-09





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.:	E22-900T30S
Trade Mark:	EBYTE
Hardware Version:	V1.0
Software Version:	V1.0
Test sample SN:	W020285O02072
Frequency Range:	903~927MHz
Modulation Type:	LoRa
Number of Channels:	25 (declared by the client)
Sample Type:	☐ Mobile ☐ Portable ☐ Fix Location
Test Software of EUT:	RF test (manufacturer declare)
Antenna Type:	External antenna
Antenna Gain:	0 dBi
Power Supply:	DC 5V



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Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	903 MHz	7	910 MHz	13	917 MHz	21	924 MHz
1	904 MHz	8	911 MHz	14	918 MHz	22	925 MHz
2	905 MHz	9	912 MHz	16	919 MHz	23	926 MHz
3	906 MHz	10	913 MHz	17	920 MHz	24	927 MHz
4	907 MHz	11	914 MHz	18	921 MHz		
5	908 MHz	12	915 MHz	19	922 MHz		
6	909 MHz	13	916 MHz	20	923 MHz		

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	903MHz
The Middle channel	915MHz
The Highest channel	927MHz





4.3 Test Environment

Operating Environment	
Radiated Emissions:	
Temperature:	25.4 °C
Humidity:	53 % RH
Atmospheric Pressure:	1009mbar
Conduction emission:	
Temperature:	25.3 °C
Humidity:	53 % RH
Atmospheric Pressure:	1009mbar
Radio conducted item to	est (RF Conducted test room):
Temperature:	25.2 °C
Humidity:	55 % RH
Atmospheric Pressure:	1009mbar
Test mode:	
Transmitting mode:	Use test software (RF test) 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.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
PC	Lenovo	ThinkPad E450c	FCC	CQA

2) Cable

Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
/	/	/	/	/





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	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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4.6 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

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

	1	1	1	
		Instrument	Calibration	Calibration
Manufacturer	Model No.	No.	Date	Due Date
			2019/10/25	2020/10/24
R&S	ESR7	CQA-005	2020/10/25	2021/10/24
			2019/10/25	2020/10/24
R&S	FSU26	CQA-038	2020/10/25	2021/10/24
	AFS4-00010300-18-		2019/10/25	2020/10/24
MITEQ	10P-4	CQA-035	2020/10/25	2021/10/24
	AMF-6D-02001800-		2019/10/25	2020/10/24
MITEQ	29-20P	CQA-036	2020/10/25	2021/10/24
EMCI	EMC184055SE	CQA-089	2020/9/25	2021/9/24
			2019/10/21	2020/10/20
Schwarzbeck	FMZB1516	CQA-060	2020/10/21	2021/10/20
R&S	HL562	CQA-011	2020/9/26	2021/9/25
R&S	HF906	CQA-012	2020/9/26	2021/9/25
Schwarzbeck	BBHA 9170	CQA-088	2020/9/25	2021/9/24
CQA	N/A	C007	2020/9/26	2021/9/25
CQA	N/A	C013	2020/9/26	2021/9/25
CQA	RFC-01	CQA-080	2020/9/26	2021/9/25
CQA	RF-01	CQA-079	2020/9/26	2021/9/25
	PWD-2533-02-SMA-			
MIDWEST	79	CQA-067	2020/9/26	2021/9/25
	R&S R&S MITEQ MITEQ EMCI Schwarzbeck R&S R&S Schwarzbeck CQA CQA CQA CQA	R&S	Manufacturer Model No. No. R&S ESR7 CQA-005 R&S FSU26 CQA-038 AFS4-00010300-18- 10P-4 CQA-035 MITEQ AMF-6D-02001800- 29-20P CQA-036 EMCI EMC184055SE CQA-089 Schwarzbeck FMZB1516 CQA-060 R&S HL562 CQA-011 R&S HF906 CQA-012 Schwarzbeck BBHA 9170 CQA-088 CQA N/A C007 CQA N/A C013 CQA RFC-01 CQA-080 CQA RF-01 CQA-079 PWD-2533-02-SMA- PWD-2533-02-SMA-	Manufacturer Model No. No. Date R&S ESR7 CQA-005 2020/10/25 R&S FSU26 CQA-038 2020/10/25 R&S FSU26 CQA-038 2020/10/25 MITEQ AFS4-00010300-18-10P-4 CQA-035 2020/10/25 MITEQ AMF-6D-02001800-29-20P 204-036 2020/10/25 EMCI EMC184055SE CQA-089 2020/9/25 Schwarzbeck FMZB1516 CQA-089 2020/9/25 R&S HL562 CQA-011 2020/9/26 R&S HF906 CQA-012 2020/9/26 Schwarzbeck BBHA 9170 CQA-088 2020/9/25 CQA N/A C007 2020/9/26 CQA N/A C013 2020/9/26 CQA RFC-01 CQA-080 2020/9/26 CQA RF-01 CQA-079 2020/9/26

Test software:

out contract.							
	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)

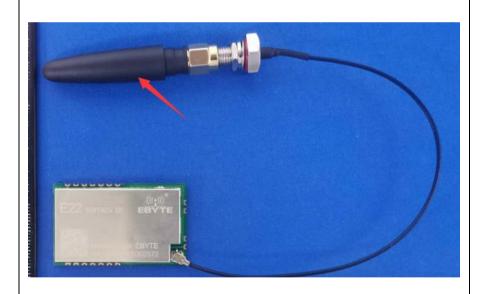
15.203 requirement:

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.



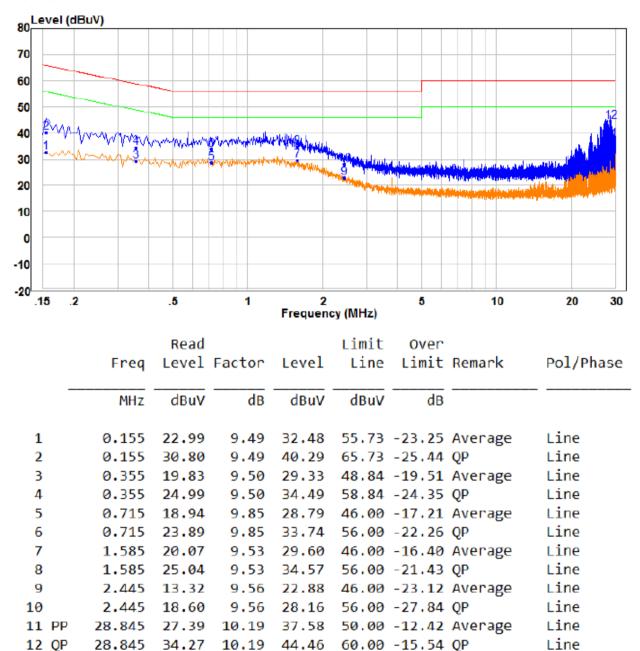


5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207					
Test Method:	ANSI C63.10: 2013					
Test Frequency Range:	150kHz to 30MHz					
Limit:	130Ki 12 to 30Wii 12	l insit /s	1D\ ()			
LIIIIII.	Frequency range (MHz)	Limit (c 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. The vertical ground reference plane. The boundary of the 					
	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	LISN 1 and the EUT. As was at least 0.8 m from the relation of the must be changed	All other units of the EUT 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 LoRa modul	ation				
Test Results:	Pass					

Measurement Data

Live line:



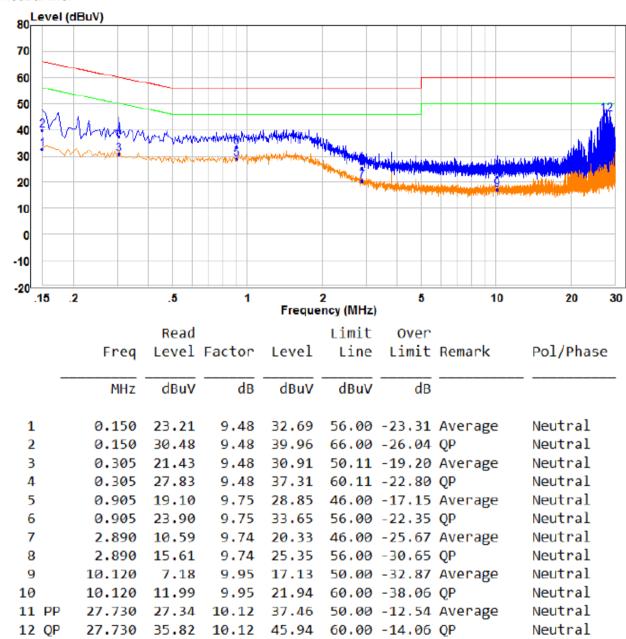
Remark:

- 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:



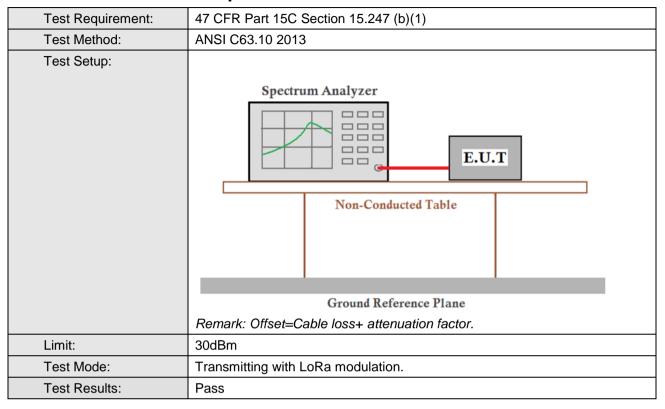
Remark:

- 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

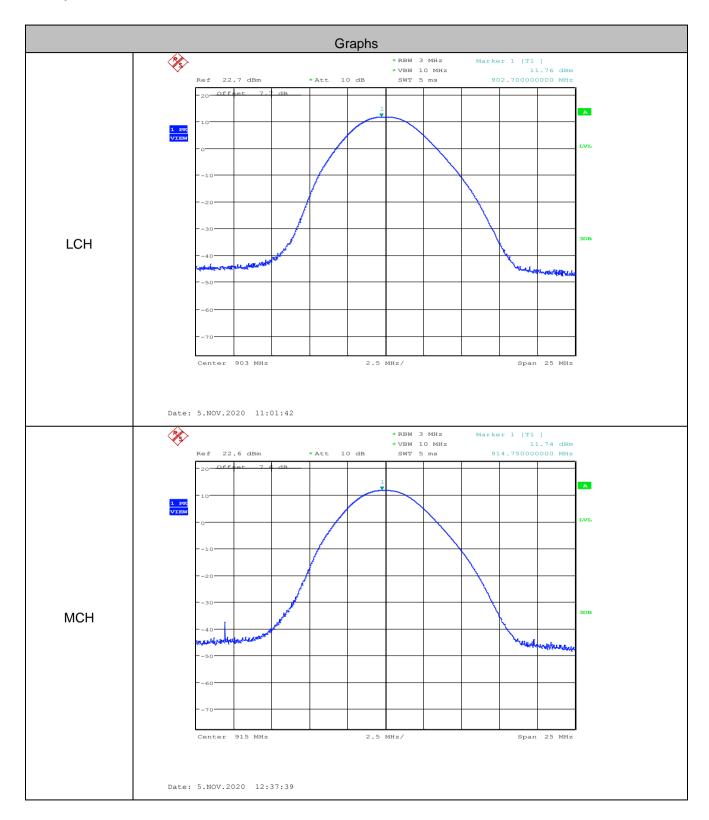


Measurement Data

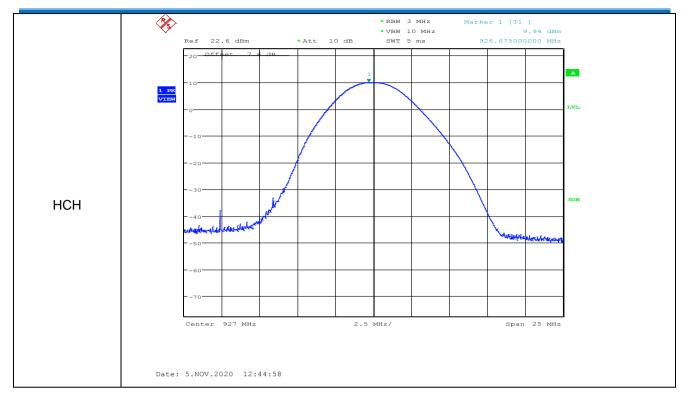
LoRa mode						
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result			
Lowest	11.76	30.00	Pass			
Middle	11.74	30.00	Pass			
Highest	9.94	30.00	Pass			



Test plot as follows:

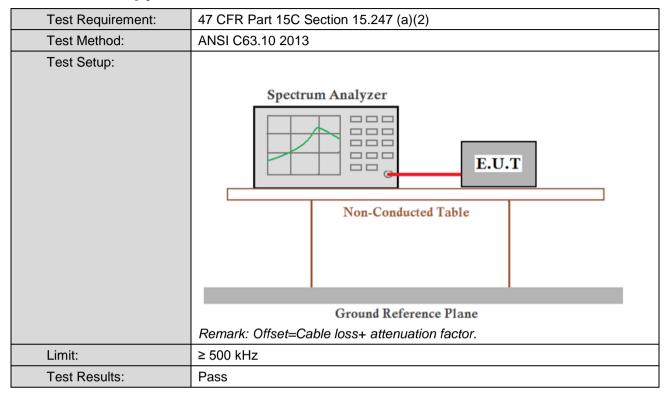








5.4 6dB Occupy Bandwidth

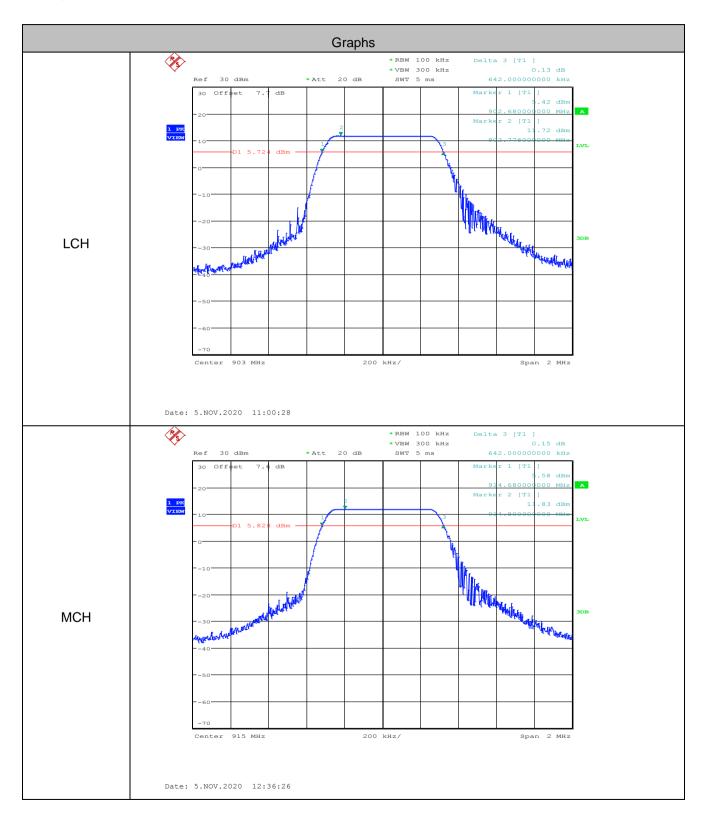


Measurement Data

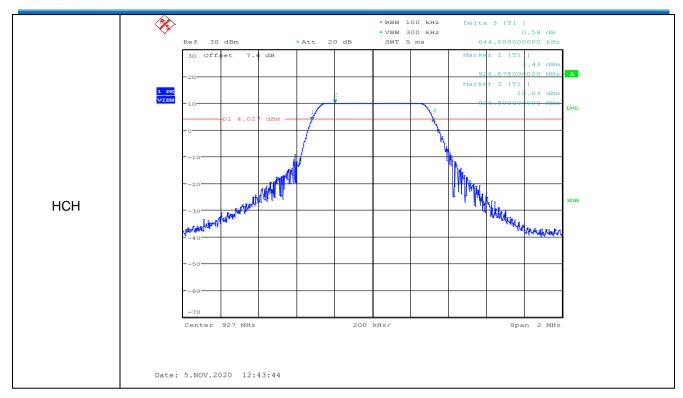
	LoRa mode							
Test channel	6dB Occupy Bandwidth (MHz)	Limit (MHz)	Result					
Lowest	0.642	≥0.5	Pass					
Middle	0.642	≥0.5	Pass					
Highest	0.644	≥0.5	Pass					



Test plot as follows:



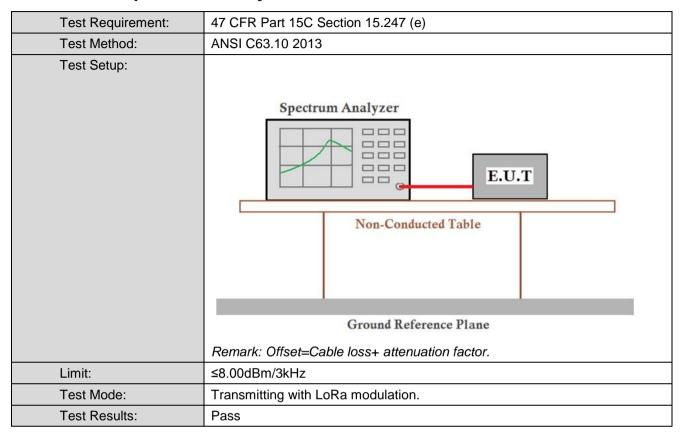








5.5 Power Spectral Density

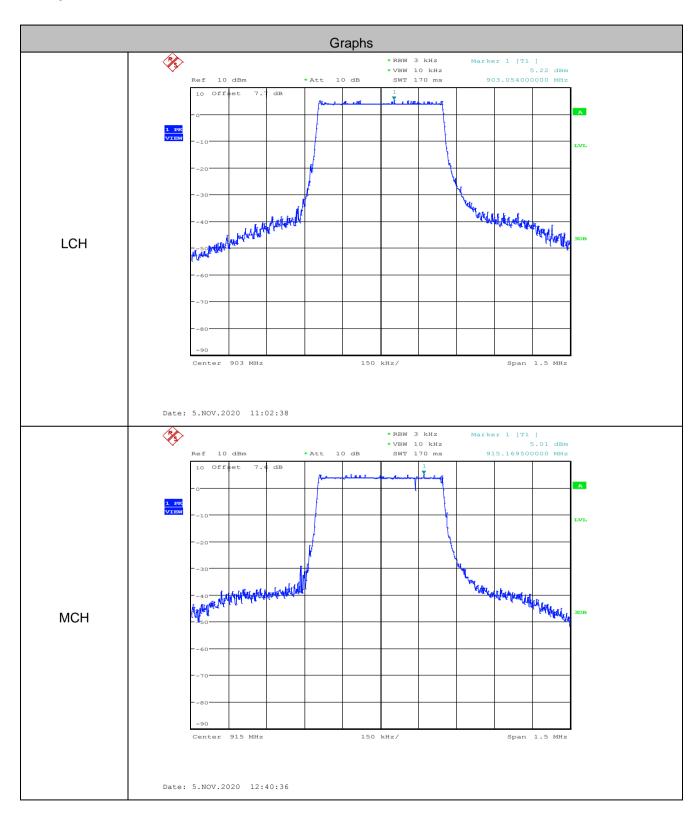


Measurement Data

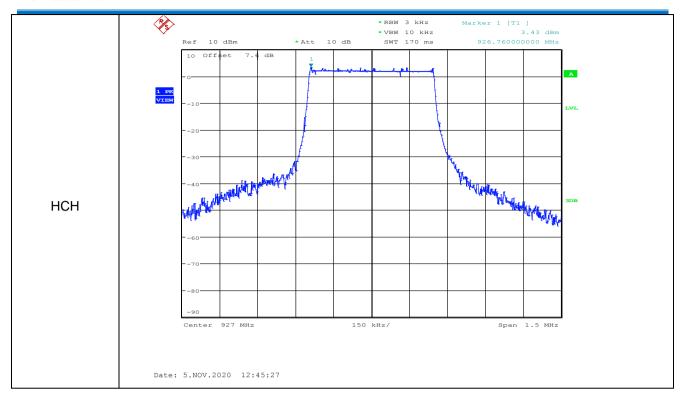
LoRa mode							
Test channel	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result				
Lowest	5.220	≤8.00	Pass				
Middle	5.010	≤8.00	Pass				
Highest	3.430	≤8.00	Pass				



Test plot as follows:



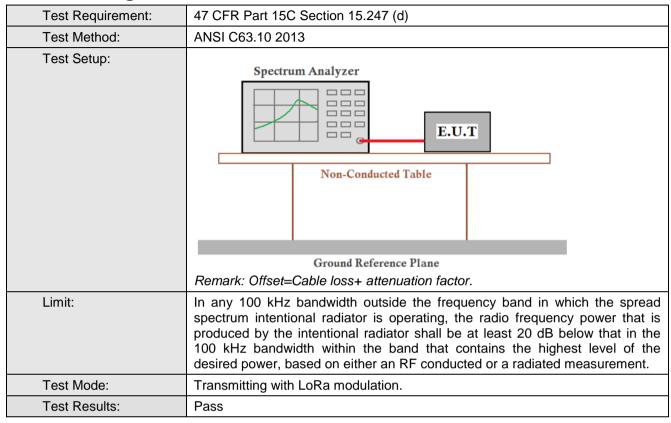








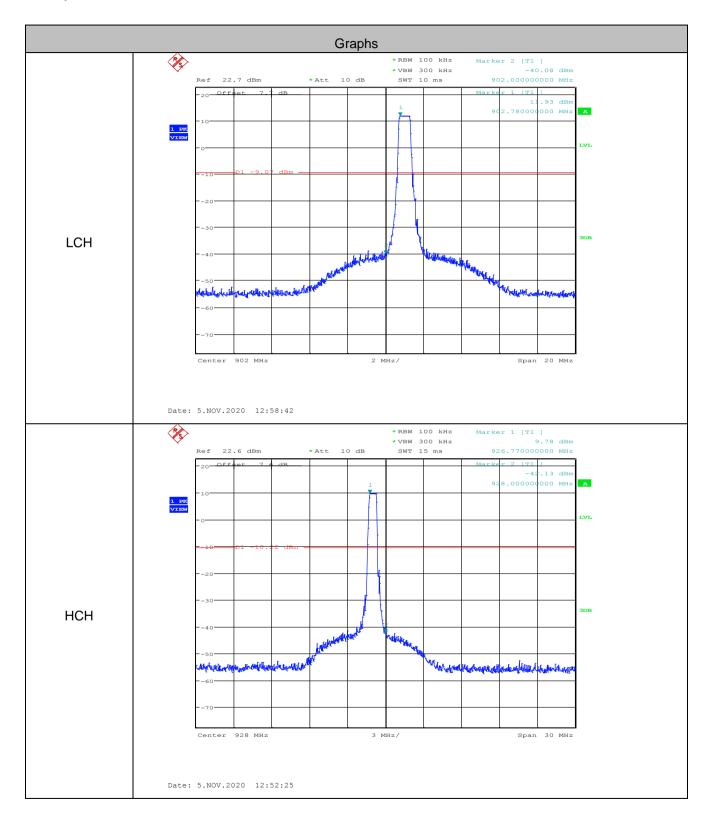
5.6 Band-edge for RF Conducted Emissions



LoRa mode				
Test channel	Frequency(MHz)	Emission Level(dBm)	Limit(dBm)	Result
Lowest	902	-40.08	-9.07	Pass
Highest	928	-42.13	-10.22	Pass



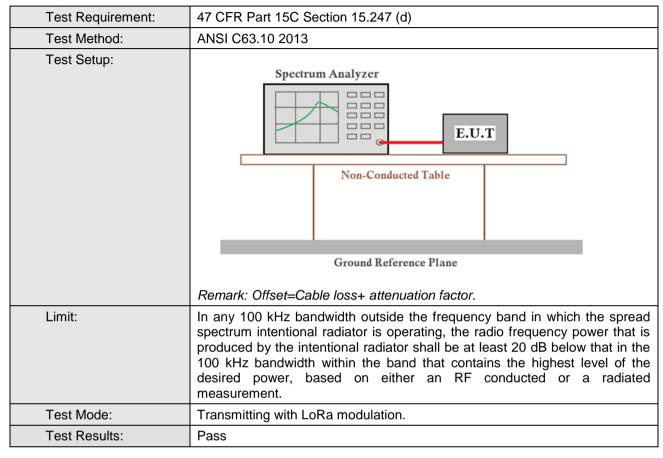
Test plot as follows:





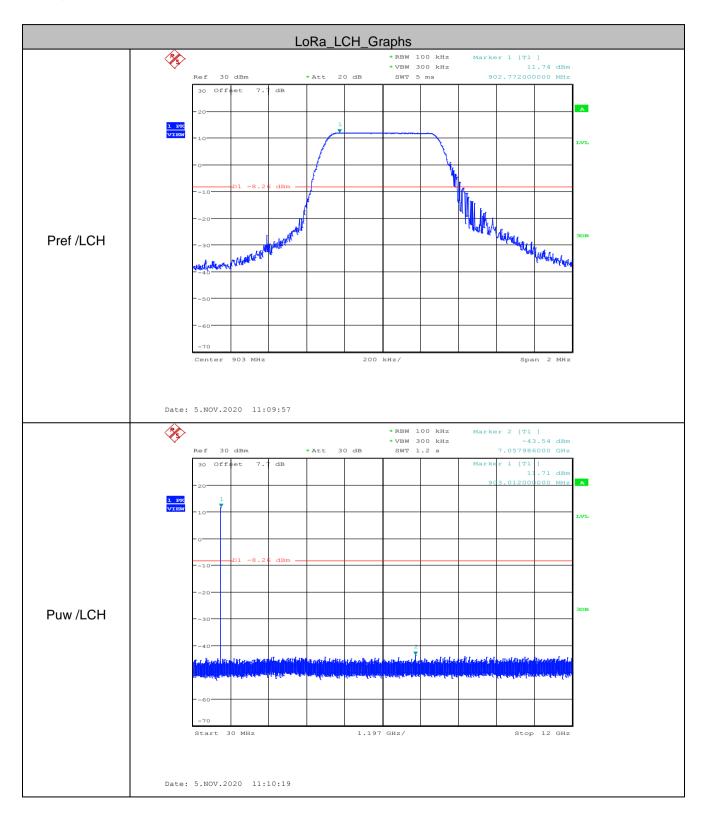


5.7 Spurious RF Conducted Emissions

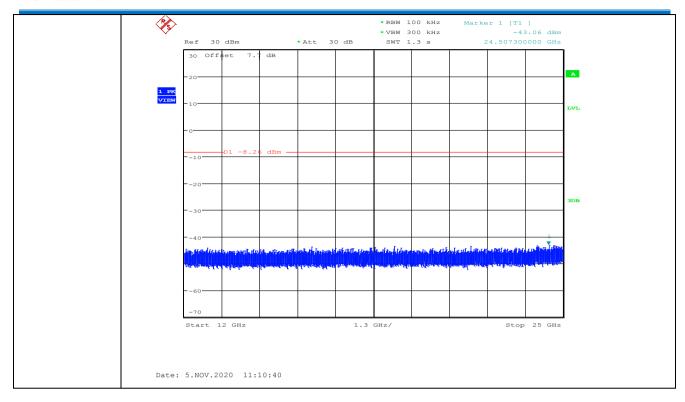


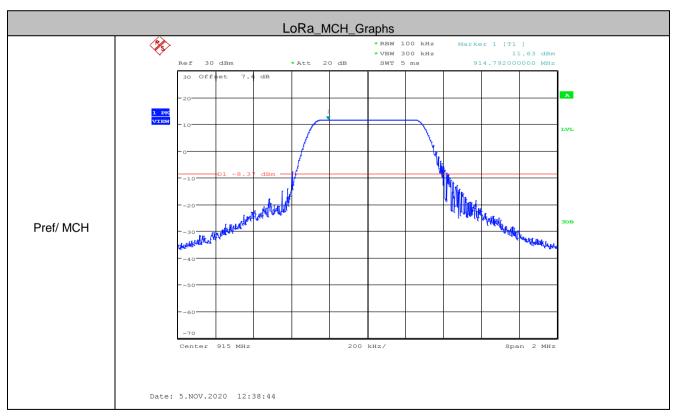


Test plot as follows:

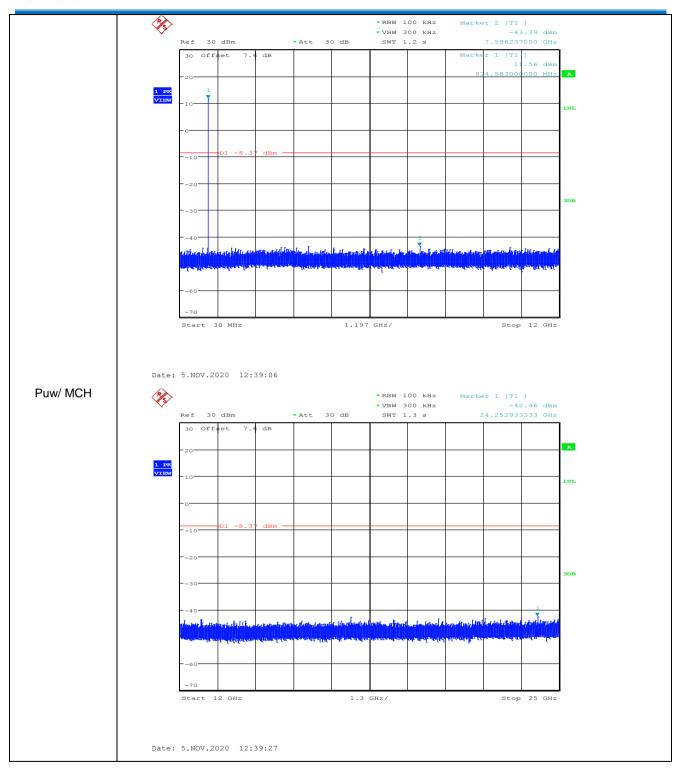




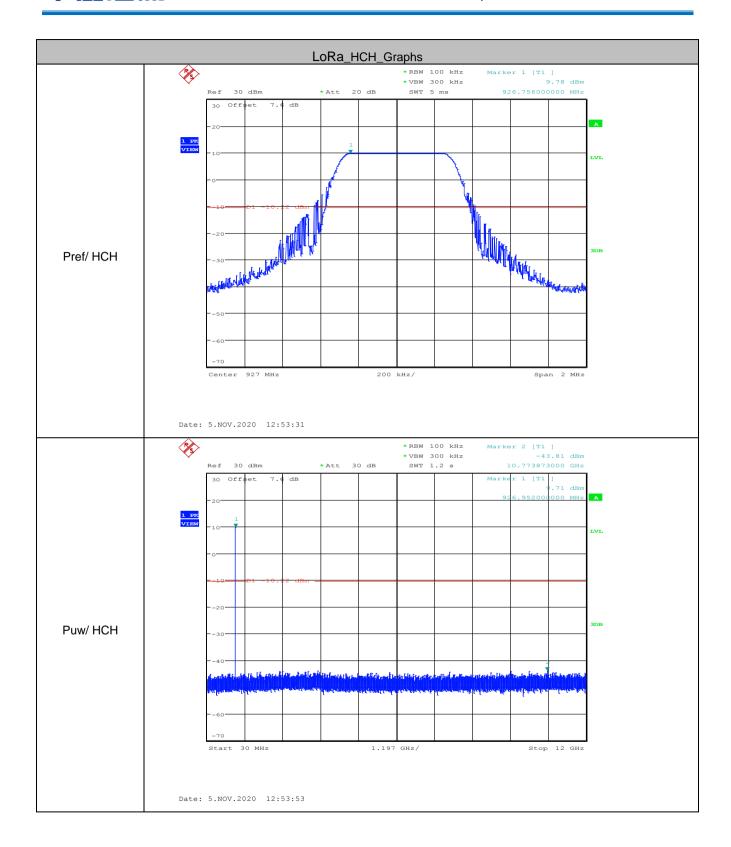






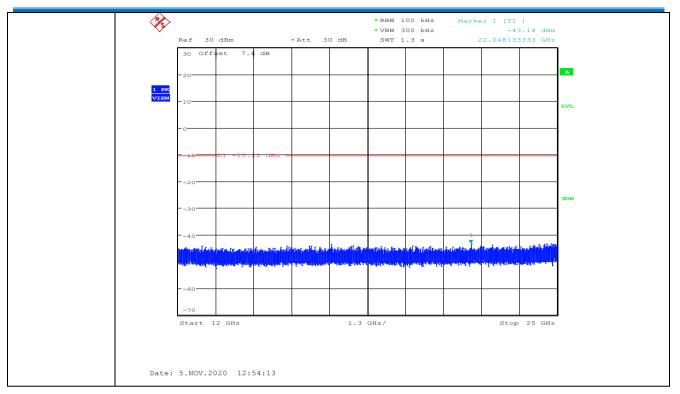








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Remark:

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.



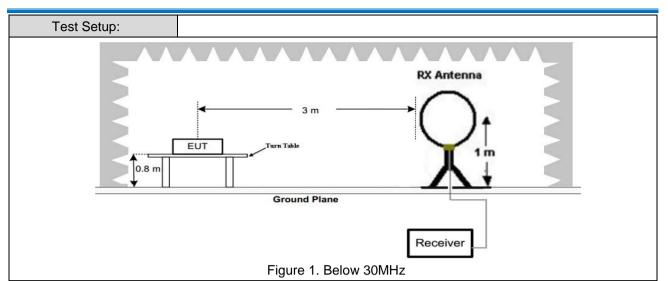


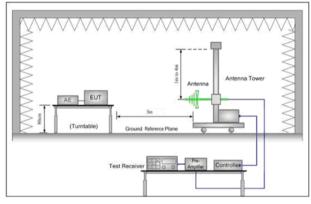
5.8 Radiated Spurious Emission & Restricted bands

5.8.1 Spurious Emissions									
Test Requirement:	47 CFR Part 15C Secti	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:	Frequency Detector RBW VBW Remark						Remark		
	0.009MHz-0.090MH	z	Peak	10kHz	<u>z</u>	30kHz	Peak		
	0.009MHz-0.090MH	z	Average	10kHz	<u>z</u>	30kHz	Average		
	0.090MHz-0.110MH	Z	Quasi-peak	10kHz	<u>z</u>	30kHz	Quasi-peak		
	0.110MHz-0.490MH	Z	Peak	10kHz	<u>z</u>	30kHz	Peak		
	0.110MHz-0.490MH	z	Average	10kHz	<u>z</u>	30kHz	Average		
	0.490MHz -30MHz		Quasi-peak	10kHz	<u>z</u>	30kHz	Quasi-peak		
	30MHz-1GHz		Quasi-peak	100 kH	lz :	300kHz	Quasi-peak		
	Above 1GHz		Peak	1MHz	-	3MHz	Peak		
	Above 1G112		Peak	1MHz	2	10Hz	Average		
Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)	R	Remark	Measuremen distance (m)		
	0.009MHz-0.490MHz	2	400/F(kHz)			-	300		
	0.490MHz-1.705MHz	24	1000/F(kHz)			-	30		
	1.705MHz-30MHz		30	ı		-	30		
	30MHz-88MHz		100	40.0	Qu	asi-peak	3		
	88MHz-216MHz		150	43.5	Quasi-peak		3		
	216MHz-960MHz		200	46.0	Qu	asi-peak	3		
	960MHz-1GHz		500	54.0	Qu	asi-peak	3		
	Above 1GHz		500	54.0	Α	verage	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	pern	nitted ave	erage emission		



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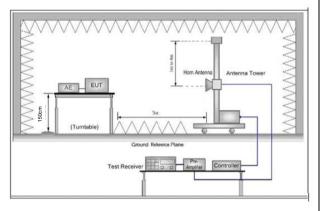


Figure 2. 30MHz to 1GHz

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

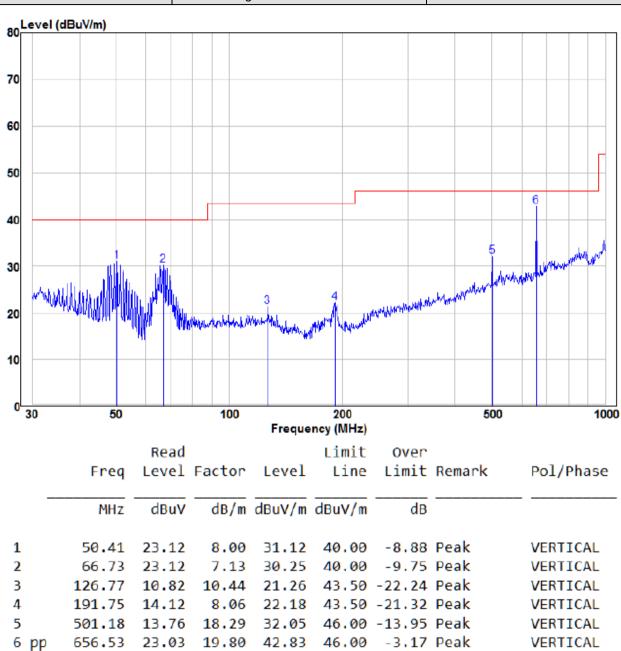


	measurement.
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to 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.
Exploratory Test Mode:	Transmitting mode
Final Test Mode:	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



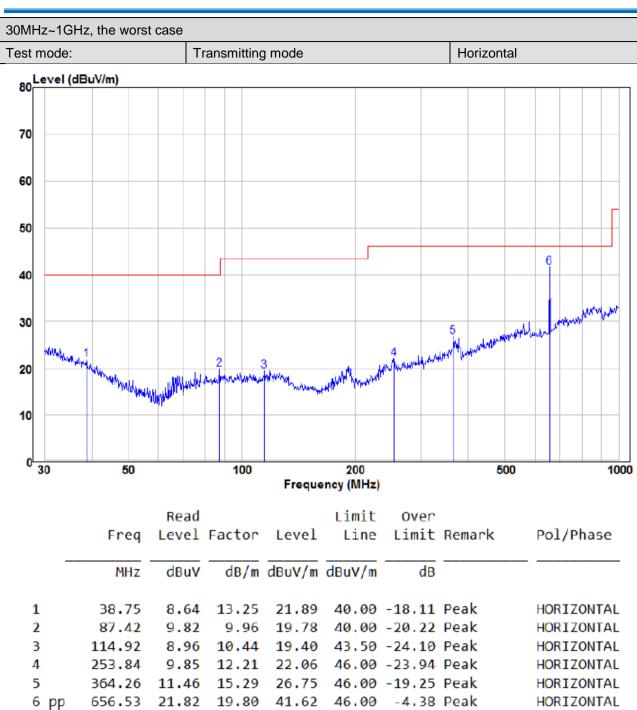


Radiated Emission below 1GHz					
30MHz~1GHz, the worst case					
Test mode: Transmitting mode Vertical					













Above 1GHz							
Test mode:		Transmitti	ng	Test chann	nel:	Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	H/V
1806	53.22	-4.28	48.94	74	-25.06	peak	Н
1806	36.26	-4.28	31.98	54	-22.02	AVG	Н
2709	50.30	1.13	51.43	74	-22.57	peak	Н
2709	38.19	1.13	39.32	54	-14.68	AVG	Н
1806	54.64	-4.28	50.36	74	-23.64	peak	V
1806	39.74	-4.28	35.46	54	-18.54	AVG	V
2709	50.36	1.13	51.49	74	-22.51	peak	V
2709	36.45	1.13	37.58	54	-16.42	AVG	V

Test mode:	Test mode: Transmitting Test channel:		Middle				
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	H/V
1830	52.34	-4.14	48.20	74	-25.80	peak	Н
1830	37.84	-4.14	33.70	54	-20.30	AVG	Н
2745	49.86	0.56	50.42	74	-23.58	peak	Н
2745	35.46	0.56	36.02	54	-17.98	AVG	Н
1830	54.06	-4.14	49.92	74	-24.08	peak	V
1830	37.25	-4.14	33.11	54	-20.89	AVG	V
2745	48.79	0.56	49.35	74	-24.65	peak	V
2745	35.46	0.56	36.02	54	-17.98	AVG	V



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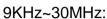
Test mode:	Test mode:		ng	Test channel:		Highest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	H/V
1854	55.85	-4.03	51.82	74	-22.18	peak	Н
1854	57.11	-4.03	53.08	74	-20.92	AVG	Н
2781	52.06	1.68	53.74	74	-20.26	peak	Н
2781	48.34	1.68	50.02	74	-23.98	AVG	Н
1854	54.09	-4.03	50.06	74	-23.94	peak	V
1854	52.18	-4.03	48.15	74	-25.85	AVG	V
2781	52.76	1.68	54.44	74	-19.56	peak	V
2781	51.22	1.68	52.90	74	-21.10	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 10GHz, 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.

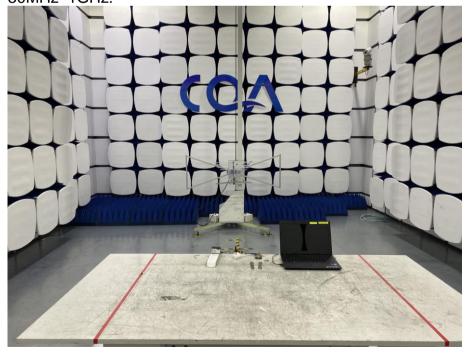
6 Photographs - EUT Test Setup

6.1 Radiated Spurious Emission





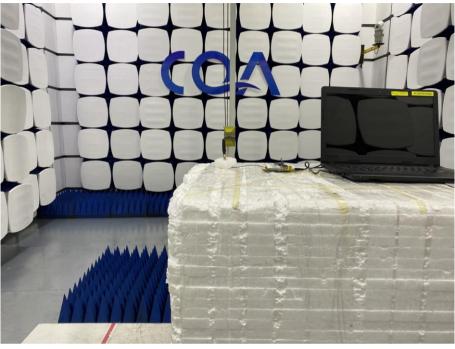
30MHz~1GHz:









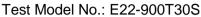


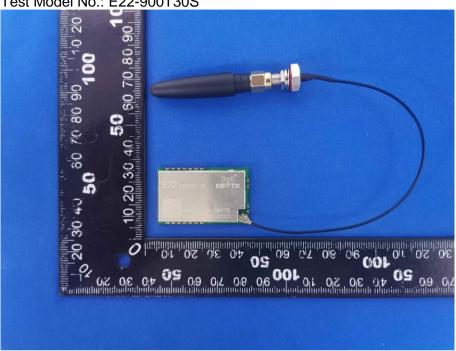
6.2 Conducted Emission

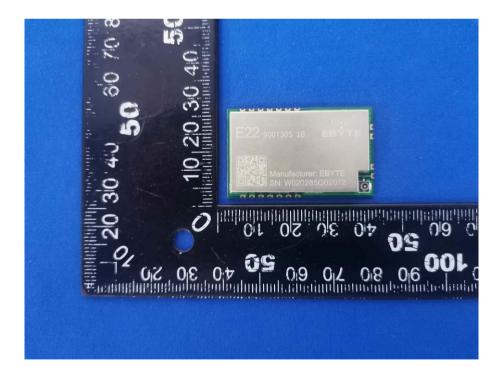




Photographs - EUT Constructional Details 7

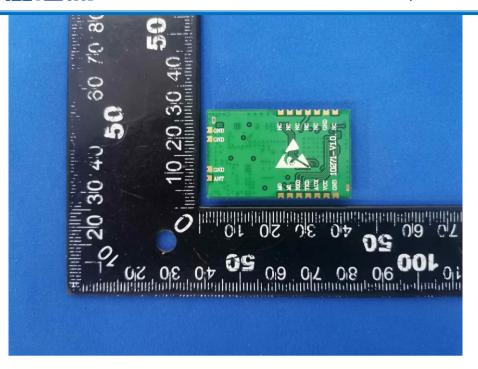


















The End