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Website: www.cqa-cert.com Report Template Revision Date: 2021-11-03

Report Template Version: V05

Test Report

Report No.: CQASZ20250801864E-01

Applicant: Shen Zhen laikeweier Technology Co,Ltd.

Address of Applicant: 303. A2, HC Park,159 Hangcheng Avenue, Sanwei community. Hangcheng stre

et,Bao'an District, Shenzhen, China

Equipment Under Test (EUT):

Product: Wireless Carplay/Android Auto Adapter

Model No.: C0051,C0053, C0051-H01, C0051-H02, C0051-H30, C0051-H31,

C0051-H32, C0051-H33 C0053-H01, C0053-H02, C0053-H30, C0053-H31,

C0053-H32, C0053-H33

Test Model No.: C0051,C0053

Brand Name: N/A

FCC ID: 2BLLO-C0051

Standards: 47 CFR Part 15, Subpart C

KDB558074 D01 15.247 Meas Guidance v05r02

ANSI C63.10:2013

Date of Receipt: 2025-08-12

Date of Test: 2025-08-12 to 2025-08-29

Date of Issue: 2025-9-2
Test Result: PASS*

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

Tested By:

(Lewis Zhou)

Reviewed By:

(I imo Lei)

Approved By:

(Jack Ai)





Report No.: CQASZ20250801864E-01

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20250801864E-01	Rev.01	Initial report	2025-9-2





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



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4 General Information

4.1 Client Information

Applicant:	Shen Zhen laikeweier Technology Co,Ltd.
Address of Applicant:	303. A2, HC Park,159 Hangcheng Avenue, Sanwei community. Hangcheng street,Bao'an District, Shenzhen, China
Manufacturer:	Shen Zhen laikeweier Technology Co,Ltd.
Address of Manufacturer:	303. A2, HC Park,159 Hangcheng Avenue, Sanwei community. Hangcheng street,Bao'an District, Shenzhen, China
Factory:	Shen Zhen laikeweier Technology Co,Ltd.
Address of Factory:	303. A2, HC Park,159 Hangcheng Avenue, Sanwei community. Hangcheng street,Bao'an District, Shenzhen, China

4.2 General Description of EUT

Product Name:	Wireless Carplay/Android Auto Adapter
Model No.:	C0051,C0053, C0051-H01, C0051-H02, C0051-H30, C0051-H31,
	C0051-H32, C0051-H33 C0053-H01, C0053-H02, C0053-H30, C0053-H31, C0053-H32, C0053-H33
Test Model No.:	C0051,C0053
Trade Mark:	N/A
Software Version:	20250630126
Hardware Version:	V1.1
Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	V4.2
Modulation Type:	GFSK
Transfer Rate:	1Mbps
Number of Channel:	40
Product Type:	⊠ Mobile ☐ Portable
Test Software of EUT:	cmd
Antenna Type:	Chip antenna
Antenna Gain:	1.75dBi
EUT Power Supply:	Power supply DC5V
Simultaneous Transmission	☐ Simultaneous TX is supported and evaluated in this report.
	⊠ Simultaneous TX is not supported.



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

Note:

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

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



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4.3 Additional Instructions

EUT Test Software Settings:					
Mode:	⊠ Special software is used.				
	☐ Through engineering command into the engineering mode. engineering command: *#*#3646633#*#*				
EUT Power level:	Class2 (Power level is built-in set para selected)	meters and cannot be changed and			
Use test software to set the low	Use test software to set the lowest frequency, the middle frequency and the highest frequency keep				
transmitting of the EUT.					
Mode	Mode Channel Frequency(MHz)				
	CH0 2402				
GFSK	GFSK CH19 2440				
	CH39	2480			

Run Software:

```
Toot@CarPlayBox:/#
root@CarPlayBox:/# rtwpriv wlan0 mp_pwrctldm 3
rtwpriv wlan0 mp_pwrctldm 3
rtwpriv wlan0 mp_pwrctldm 5
rtwpriv wlan0 mp_pwrctldm 5
rtwpriv wlan0 mp_pwrctldm 5
rtwpriv wlan0 mp_twproctldm 5
root@CarPlayBox:/#
root@CarPlayBox:/#
root@CarPlayBox:/# rtwpriv wlan0 1 0 b 11M 1 2000
rtwpriv wlan0 mp_txpower dbm=20
rtwpriv wlan0 mp_txpower dbm=20
rtwpriv wlan0 mp_txpower dbm=20
config packet Period =2000
Packet Pattern = random Byte
wlan0 mp_rate:Set data rate to 3 index 0
wlan0 mp_ant_tx:switch Tx antenna to b
wlan0 mp_bandwidth:No change current bW 0
wlan0 mp_bandwidth:No change current bW 0
wlan0 mp_channel:No change current channel:1
wlan0 1:Set PMac Tx Mode 0K
root@CarPlayBox:/# rtwpriv wlan0 mp_txpower dbm=20
wlan0 mp_txpower:Path Set power dbm:20.0
root@CarPlayBox:/#
root@CarPlayBox:/#
```



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4.4 Test Environment

Operating Environment	Operating Environment:		
Temperature:	24.5°C		
Humidity:	59% RH		
Atmospheric Pressure:	1009mbar		
Test Mode:	Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.		

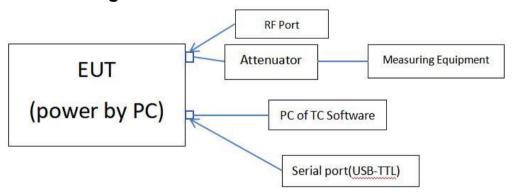
4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Laptop	Apple	Macbook	/	CQA
2) Cable				
Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
1	,	,		,

4.6 Test configuration







4.7 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
1	Radiated Emission (Below 1GHz)	5.12dB
2	Radiated Emission (Above 1GHz)	4.60dB
3	Conducted Disturbance (0.15~30MHz)	3.34dB
4	Radio Frequency	3×10 ⁻⁸
5	Duty cycle	0.6 %
6	Occupied Bandwidth	1.1%
7	RF conducted power	0.86dB
8	RF power density	0.74
9	Conducted Spurious emissions	0.86dB
10	Temperature test	0.8℃
11	Humidity test	2.0%
12	Supply voltages	0.5 %
13	Frequency Error	5.5 Hz



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4.8 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.

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

4.9 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

4.10 Deviation from Standards

None.

4.11 Other Information Requested by the Customer

None.



4.12Equipment List

			Instrument	Calibration	Calibration
Test Equipment	Manufacturer	Model No.	No.	Date	Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2024/9/2	2025/9/1
Spectrum analyzer	R&S	FSU26	CQA-038	2024/9/2	2025/9/1
Spectrum analyzer	R&S	FSU40	CQA-075	2024/9/2	2025/9/1
Preamplifier	MITEQ	AFS4-00010300-18- 10P-4	CQA-035	2024/9/2	2025/9/1
Preamplifier	MITEQ	AMF-6D-02001800- 29-20P	CQA-036	2024/9/2	2025/9/1
Preamplifier	EMCI	EMC184055SE	CQA-089	2024/9/2	2025/9/1
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2023/9/8	2026/9/7
Bilog Antenna	R&S	HL562	CQA-011	2023/11/01	2026/10/31
Horn Antenna	R&S	HF906	CQA-012	2023/11/01	2026/10/31
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2023/9/7	2026/9/6
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2024/9/2	2025/9/1
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2024/9/2	2025/9/1
Antenna Connector	CQA	RFC-01	CQA-080	2024/9/2	2025/9/1
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2024/9/2	2025/9/1
Power meter	R&S	NRVD	CQA-029	2024/9/2	2025/9/1
Power divider	MIDWEST	PWD-2533-02-SMA- 79	CQA-067	2024/9/2	2025/9/1
EMI Test Receiver	R&S	ESR7	CQA-005	2024/9/2	2025/9/1
LISN	R&S	ENV216	CQA-003	2024/9/2	2025/9/1
Coaxial cable	CQA	N/A	CQA-C009	2024/9/2	2025/9/1
DC power	KEYSIGHT	E3631A	CQA-028	2024/9/2	2025/9/1

Test software:

- Solitoria S.	Manufacturer	Software brand	Software version
Radiated Emissions test software	Tonscend	JS1120-3	Version:8
Conducted Emissions test software	Audix	e3	Version:9
RF Conducted test software	Audix	e3	V3.5.39

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)

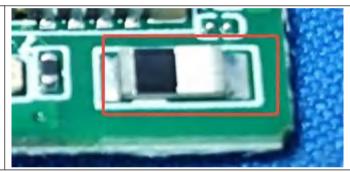
15.203 requirement:

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 Chip antenna.

The connection/connection type between the antenna to the EUT's antenna port is: permanently attachment

This is either permanently attachment or a unique coupling that satisfies the requirement.



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5.2 Conducted Peak Output Power

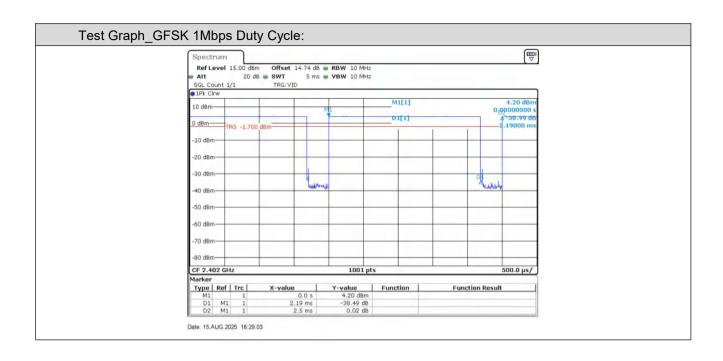
Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)		
Test Method:	ANSI C63.10 2013		
Test Setup:			
	EUT Spectrum Analyzer Remark: Offset=Cable loss+ attenuation factor.		
Limit:	30dBm		
Test Mode:	Transmitting with GFSK modulation.		
Test Results:	Pass		

Operated Mode for Worst Duty Cycle:								
Test Mode	On time [Ton] (ms)	Period [Ttotal] ms)	Duty Cycle(%)	Average correction factor(dB)				
GFSK 1Mbps	2.19	2.50	87.60	0.57				

Remark:

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





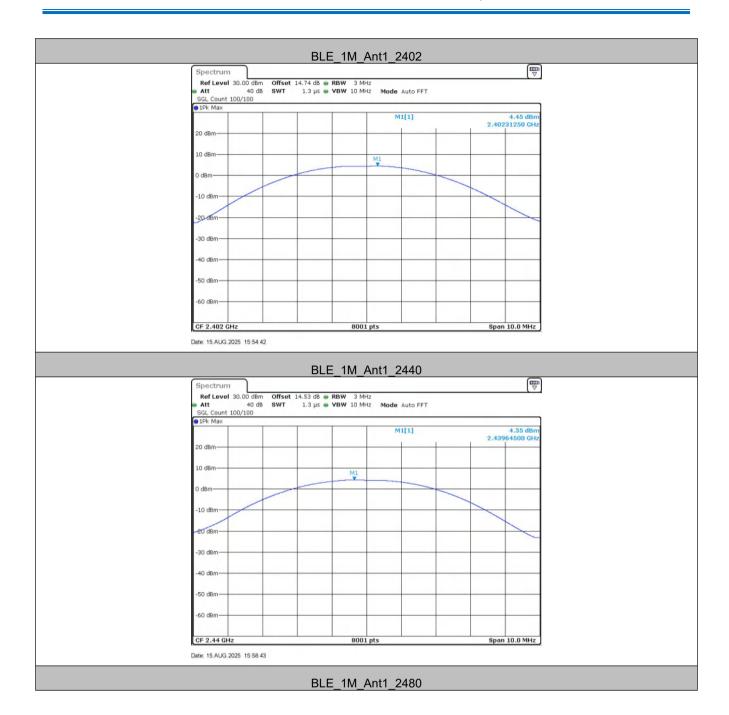


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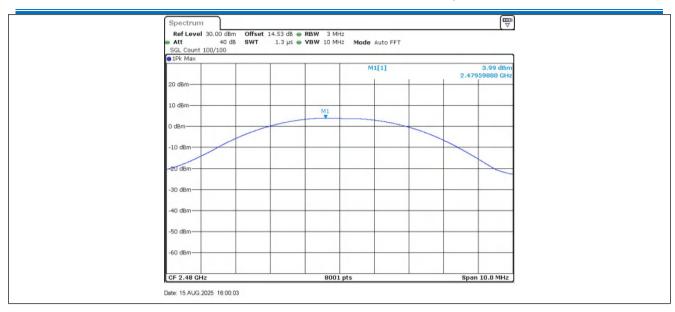
Measurement Data

GFSK mode (1Mbps)							
Test channel	Test channel Peak Output Power (dBm) Limit (dBm) Result						
Lowest	4.45	30.00	Pass				
Middle	4.35	30.00	Pass				
Highest	3.99	30.00	Pass				











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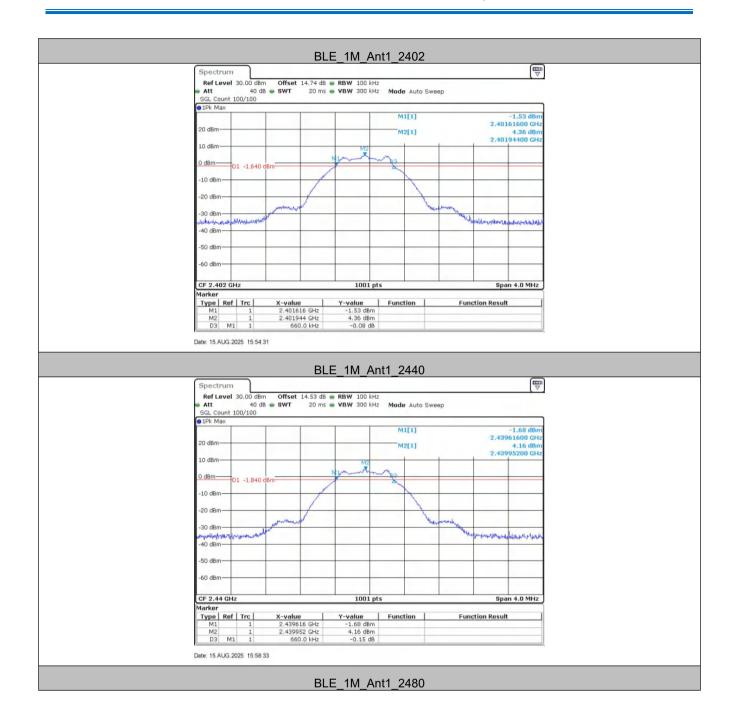
5.3 6dB Occupy Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)		
Test Method:	ANSI C63.10 2013		
Test Setup:			
	EUT Attenuator Spectrum Analyzer Remark: Offset=Cable loss+ attenuation factor.		
Limit:	≥ 500 kHz		
Instruments Used:	Refer to section 4.11 for details.		
Test Results:	Pass		

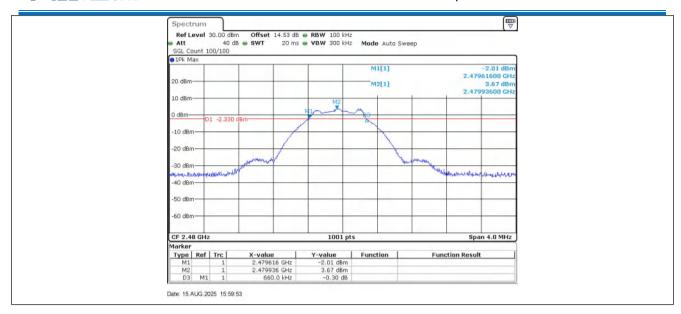
Measurement Data

GFSK mode (1Mbps)					
Test channel 6dB Occupy Bandwidth (MHz) Limit (kHz) Result					
Lowest	0.66	≥500	Pass		
Middle	0.66	≥500	Pass		
Highest	0.66	≥500	Pass		











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5.4 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)		
Test Method:	ANSI C63.10 2013		
Test Setup:	EUT Attenuator Spectrum Analyzer Remark: Offset=Cable loss+ attenuation factor.		
Limit:	≤8.00dBm/3kHz		
Test Mode:	Transmitting with GFSK modulation.		
Test Results:	Pass		

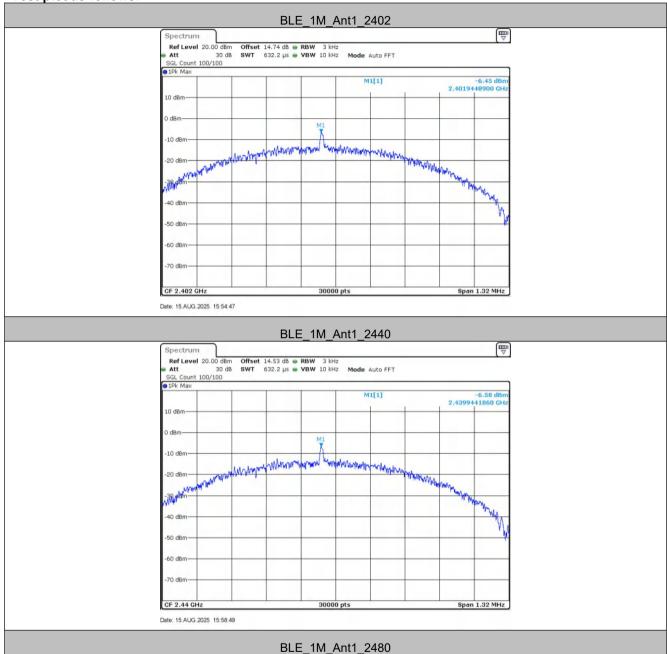
Measurement Data

GFSK mode (1Mbps)					
Test channel Power Spectral Density (dBm/3kHz) Limit (dBm/3kHz) Result					
Lowest	-6.45	≤8.00	Pass		
Middle	-6.58	≤8.00	Pass		
Highest	-6.87	≤8.00	Pass		

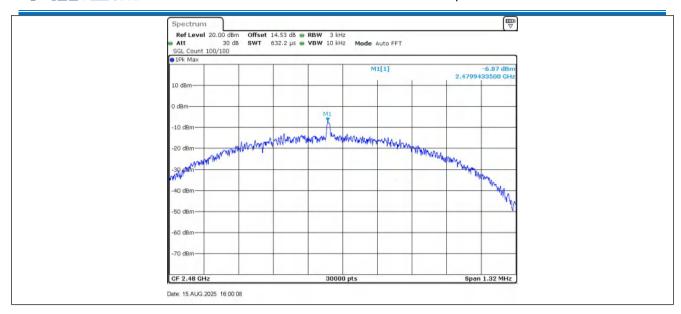


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Test plot as follows:









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5.5 Band-edge for RF Conducted Emissions

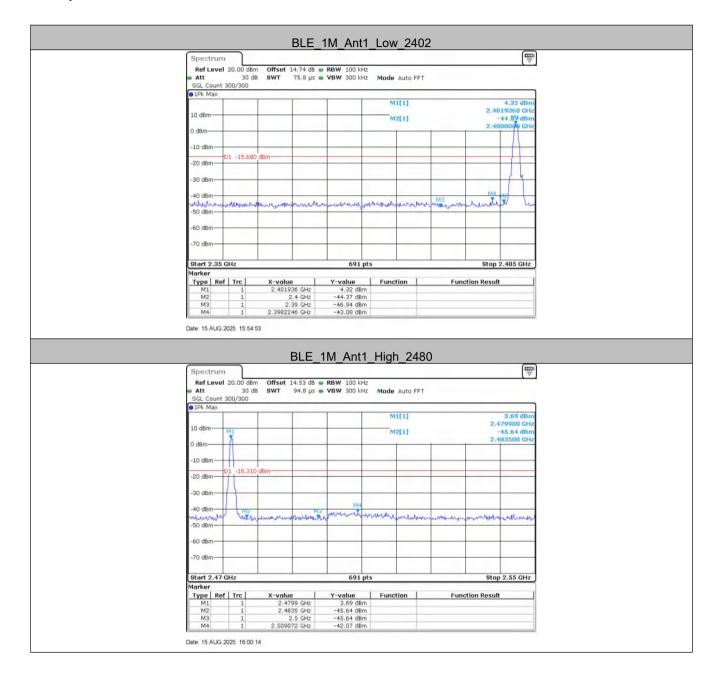
Test Requirement:	47 CFR Part 15C Section 15.247 (d)			
Test Method:	ANSI C63.10 2013			
Test Setup:	EUT Spectrum Analyzer Remark: Offset=Cable loss+ attenuation factor.			
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.			
Test Mode:	Transmitting with GFSK modulation.			
Test Results:	Pass			

TestMode	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
	Low	2402	4.32	-43.08	≤-15.68	PASS
BLE_1M	Hiah	2480	3.69	-42.07	≤-16.31	PASS



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Test plot as follows:





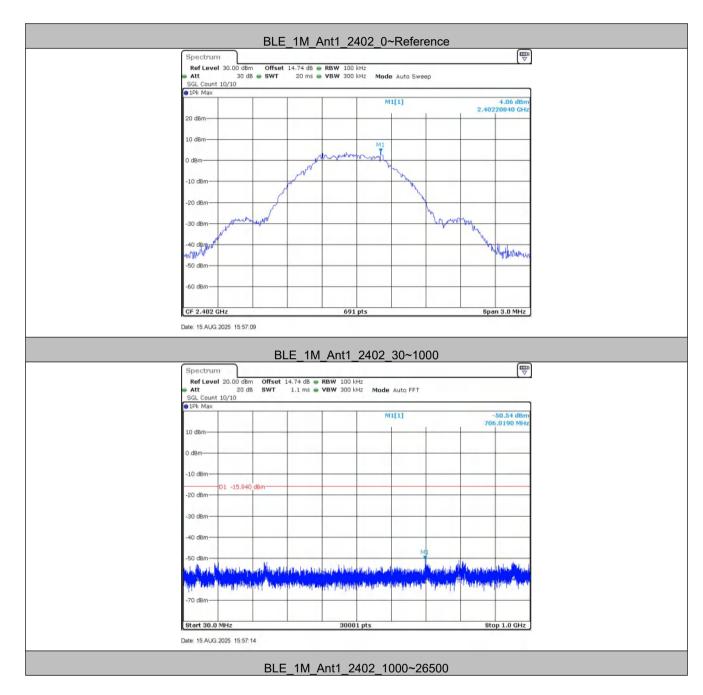
Report No.: CQASZ20250801864E-01

5.6 Spurious RF Conducted Emissions

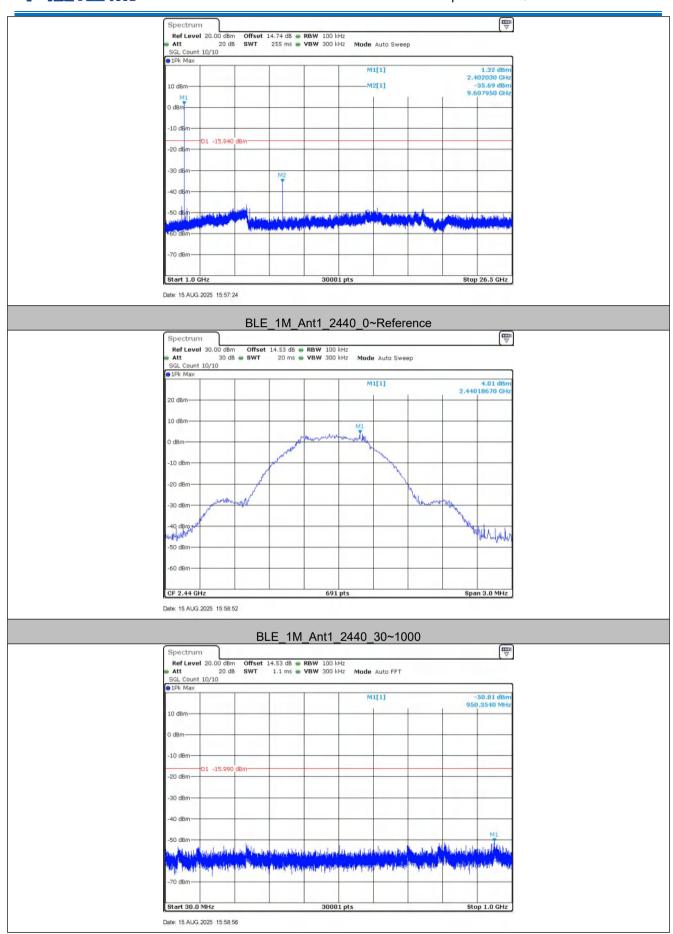
Test Requirement:	47 CFR Part 15C Section 15.247 (d)		
Test Method:	ANSI C63.10 2013		
Test Setup:	EUT Attenuator Spectrum Analyzer Remark: Offset=Cable loss+ attenuation factor.		
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.		
Test Mode:	Transmitting with GFSK modulation.		
Test Results:	Pass		



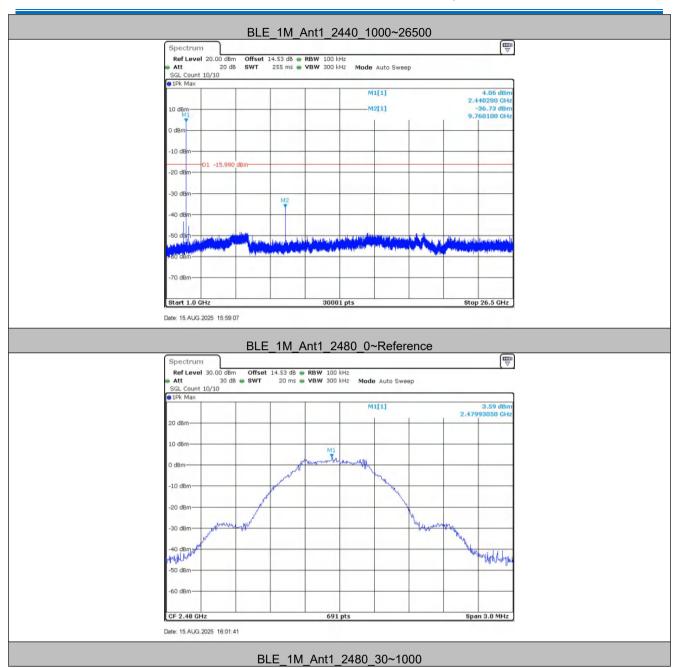
Test plot as follows:





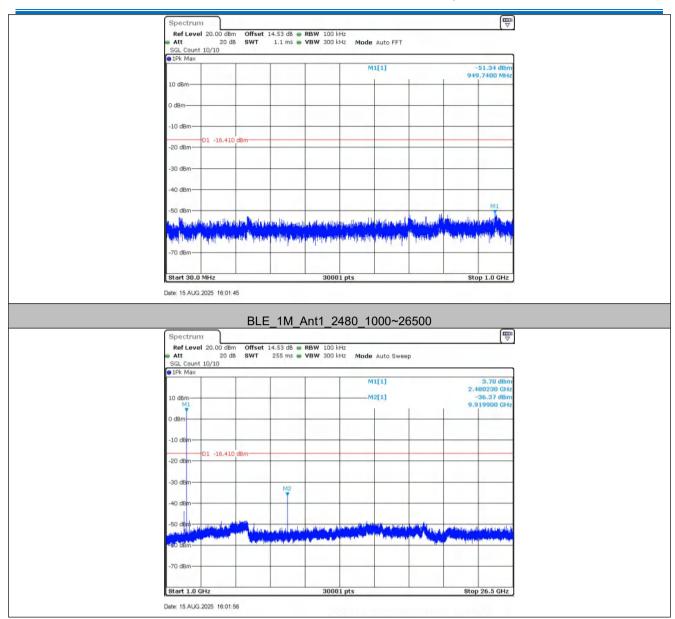








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Remark:

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.



5.7 Radiated Spurious Emission & Restricted bands

5.7.1 Spurious Emissions								
Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205							
Test Method:	ANSI C63.10 2013	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	2	30kHz	Average	
	0.490MHz -30MHz		Quasi-peak	10kHz	2	30kHz	Quasi-peak	
	30MHz-1GHz		Quasi-peak	100 kH	lz	300kHz	Quasi-peak	
	│		Peak	1MHz	<u>. </u>	3MHz	Peak	
			Peak	1MHz	<u>.</u>	10Hz	Average	
Limit:	Frequency Field strength (microvolt/meter)		Limit (dBuV/m)	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	-		-	30	
	30MHz-88MHz		100	40.0	Qu	ıasi-peak	3	
	88MHz-216MHz		150	43.5	Qu	ıasi-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 on peak rafrequency emissions is 20dB above the maximum permitted average emiss limit applicable to the equipment under test. This peak limit applies to the topeak emission level radiated by the device.					erage emission		





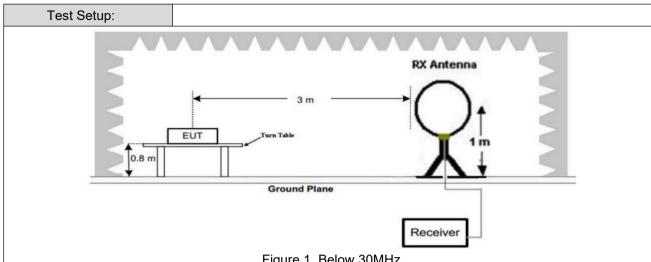
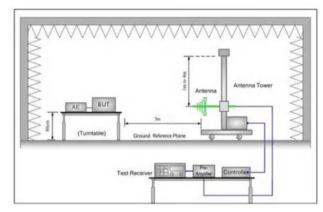


Figure 1. Below 30MHz



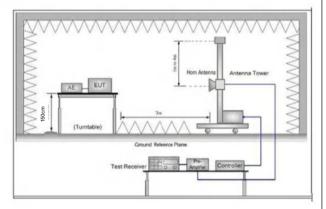


Figure 2. 30MHz to 1GHz

Figure 3. Above 1 GHz

Test Procedure:

- 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.

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



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

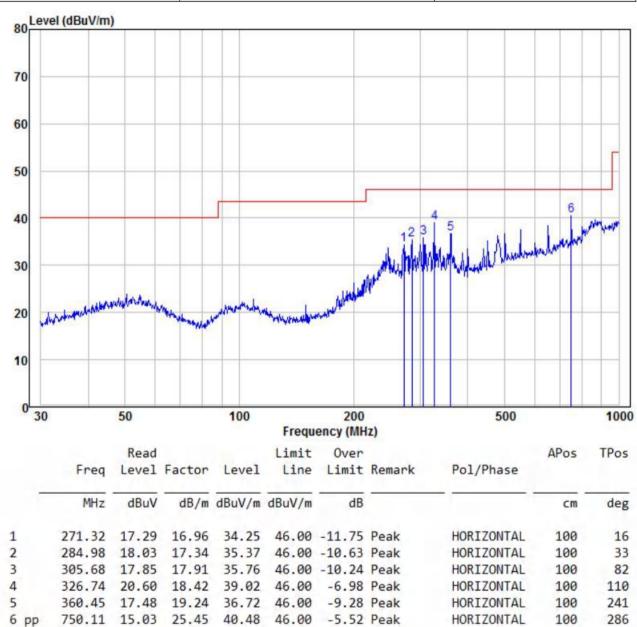




Radiated Emission below 1GHz

C0051

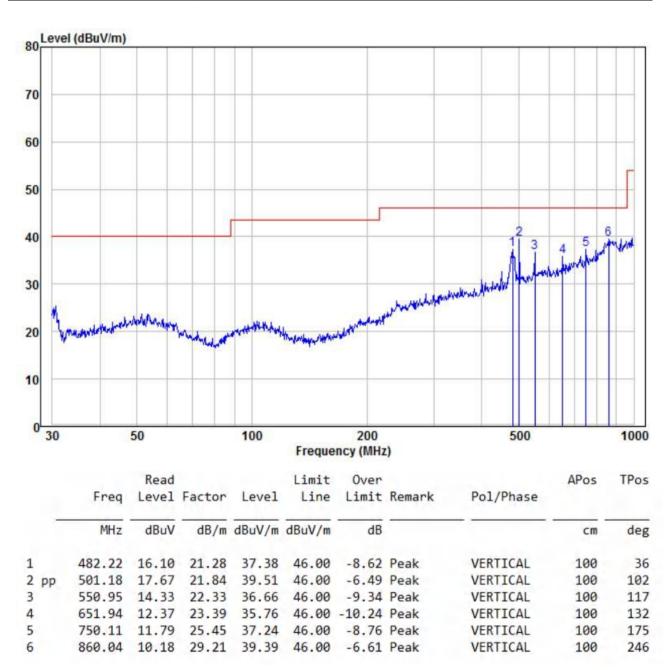








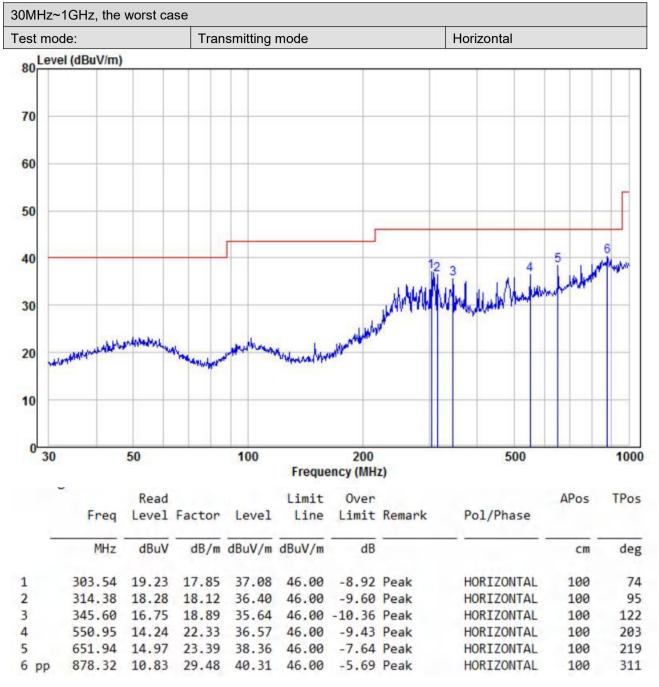
30MHz~1GHz, the worst case		
Test mode:	Transmitting mode	Vertical





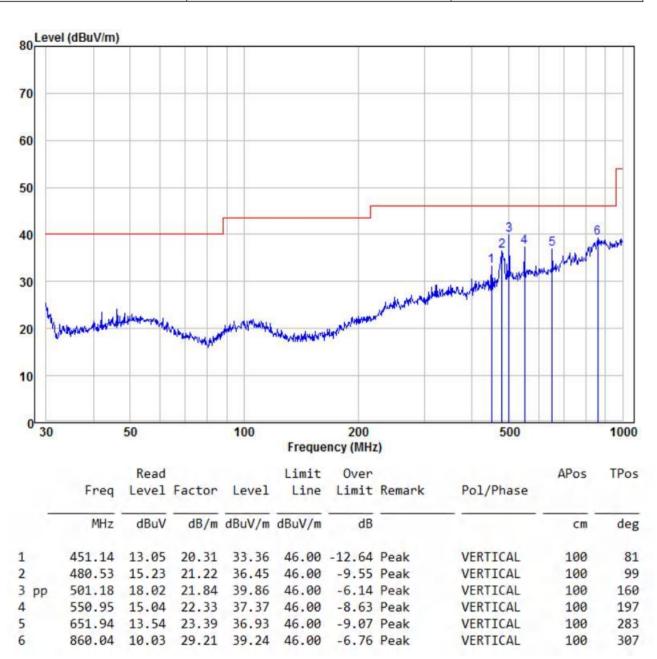


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30MHz~1GHz, the worst case					
Test mode:	Transmitting mode	Vertical			





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Transmitter Emission above 1GHz

Worse case mode:		GFSK(1Mbps)		Test channel:		Lowest			
						Detect			
	Meter		Emission		_	or	Ant.	Antenna	Table
Frequency	Reading	Factor	Level	Limits	Over	Туре	Pol.	Height	Angle
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V	(m)	(Degree)
2390	55.98	-9.2	46.78	74	-27.22	Peak	Н	1.5	353
2400	56.46	-9.39	47.07	74	-26.93	Peak	Н	1.5	333
4804	53.15	-4.33	48.82	74	-25.18	Peak	Н	1.5	111
7206	51.10	1.01	52.11	74	-21.89	Peak	Н	1.5	184
2390	52.34	-9.2	43.14	74	-30.86	Peak	V	1.5	252
2400	53.15	-9.39	43.76	74	-30.24	Peak	V	1.5	1
4804	54.53	-4.33	50.20	74	-23.80	Peak	V	1.5	241
7206	49.35	1.01	50.36	74	-23.64	Peak	V	1.5	103

Worse case mode:		GFSK(1Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V	(m)	(Degree)
4880	53.20	-4.11	49.09	74	-24.91	peak	Н	1.5	353
7320	50.34	1.51	51.85	74	-22.15	peak	Η	1.5	325
4880	53.75	-4.11	49.64	74	-24.36	peak	V	1.5	30
7320	51.02	1.51	52.53	74	-21.47	peak	V	1.5	285

Worse case mode: GFSK(1Mbps)		Test channel:		Highest					
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		H/V	(m)	(Degree)
2483.5	55.06	-9.29	45.77	74	-28.23	Peak	Н	1.5	64
4960	52.42	-4.04	48.38	74	-25.62	Peak	Н	1.5	299
7440	48.92	1.57	50.49	74	-23.51	Peak	Н	1.5	23
2483.5	56.04	-9.29	46.75	74	-27.25	Peak	V	1.5	276
4960	51.61	-4.04	47.57	74	-26.43	Peak	٧	1.5	93
7440	48.82	1.57	50.39	74	-23.61	Peak	V	1.5	25

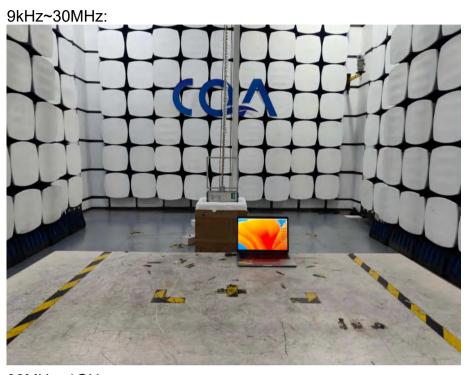
Remark:

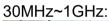
- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 - Final Test Level =Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, the disturbance above 10GHz 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.

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6 Photographs - EUT Test Setup

6.1 Radiated Spurious Emission









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6.2 RF Conducted measurement



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7 Photographs - EUT Constructional Details















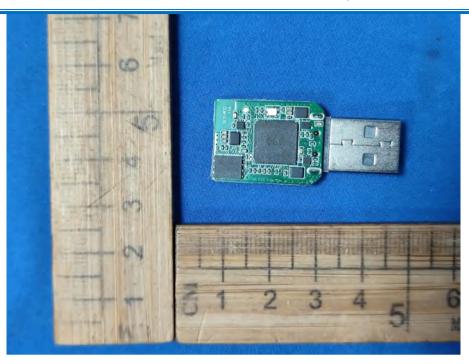


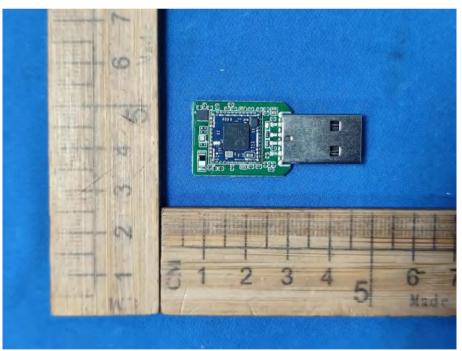




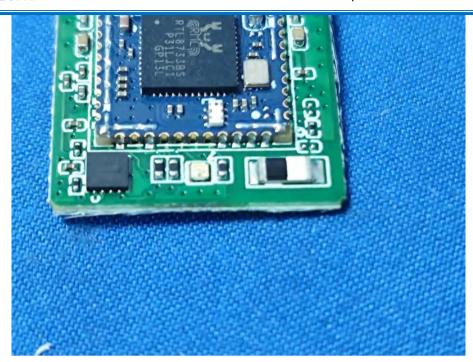
























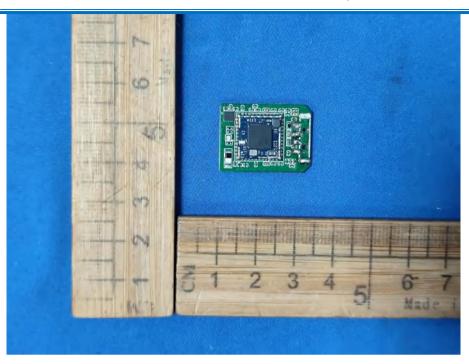


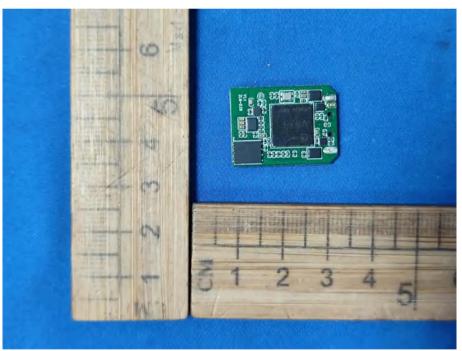




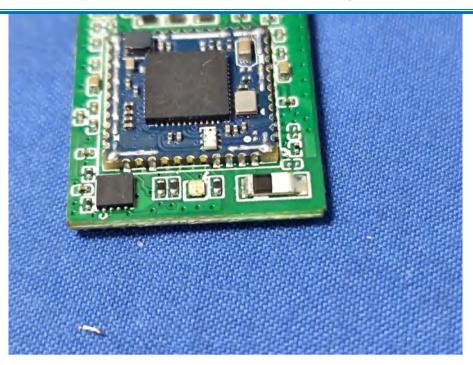












*** END OF REPORT ***