

TEST REPORT

Report No. CISRR250815127

Project No. CISR250815127

FCC ID 2BLPG-BT37

Applicant Shenzhen Daxia Longque Technology Co., Ltd

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Bao'an District, Shenzhen, China

Manufacturer Shenzhen Daxia Longque Technology Co., Ltd

Address Block 601, A, Huafeng Zhigu-Hangcheng High-tech Industrial Park,

Bao'an District, Shenzhen, China

Product Name Bluetooth Module

Trademark N/A

Model/Type reference DX-BT37

Listed Model(s) N/A

Standard 47 CFR Part 15.247

Test date August 19, 2025 to August 21, 2025

Issue date August 23, 2025

Test result Complied

Lucas Huang

Prepared by: Lucas Huang

GenryLong

Approved by: Genry Long

The test results relate only to the tested samples.

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1. REPORT VERSION

Version No.	Issue date	Description
00	August 23, 2025	Original



2. TEST DESCRIPTION

No.	Test Item	Standard Requirement	Result
1	Antenna Requirement	47 CFR 15.203	Pass
2	6dB Bandwidth	47 CFR 15.247(a)(2)	Pass
3	Maximum Conducted Output Power	47 CFR 15.247(b)(3)	Pass
4	Power Spectral Density	47 CFR 15.247(e)	Pass
5	Conducted band edge and spurious emission	47 CFR 15.247(d)	Pass
6	Radiated band edge emission	47 CFR 15.247(d), 15.209, 15.205	Pass
7	Radiated Spurious Emission (below 1GHz)	47 CFR 15.247(d), 15.209, 15.205	Pass
8	Radiated Spurious Emission (Above 1GHz)	47 CFR 15.247(d), 15.209, 15.205	Pass

Note:

The measurement uncertainty is not included in the test result.



3. **SUMMARY**

3.1. Product Description *

Main unit information:		
Product Name:	Bluetooth Module	
Trade Mark:	N/A	
Model No.:	DX-BT37	
Listed Model(s):	N/A	
Model difference:	N/A	
Power supply:	Input: DC 5V	
Hardware version:	N/A	
Software version:	N/A	
Accessory unit (AU) information:		
Battery information:	N/A	

3.2. Radio Specification Description *

Modulation type:	GFSK
Operation frequency:	2402MHz to 2480MHz
Channel number:	40
Channel separation:	2MHz
Antenna type:	PCB antenna
Antenna gain:	-0.1dBi

Note:

2) Operation frequency list as follow:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474

^{1) *:} Since the above information is provided by the applicant relevant results or conclusions of this report are only made for these information, Bangce is not responsible for the authenticity, integrity and results of the information and/or the validity of the conclusion.



7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

3.3. Modification of EUT

No modifications are made to the EUT during all test items.

3.4. Deviation from standards

None

3.5. Testing Site

Laboratory Name	Shenzhen Bangce Testing Technology Co., Ltd.
Laboratory Location	101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China
Contact information	Tel: 86-755-2319 6848, email: service@cis-cn.net Website: http://www.cis-cn.net/
FCC registration number	736346
FCC designation number	CN1372



4. TEST CONFIGURATION

4.1. Test frequency list

Lowest Channel (LCH)	Middle Channel (MCH)	Highest Channel (HCH)
(MHz)	(MHz)	(MHz)
2402	2440	2480

4.2. Descriptions of test mode

No	Test mode	Description
TM1	TX mode	Keep the EUT in continuously transmitting mode with GFSK modulation at lowest, middle and highest channel.
TM2	Standby mode	Keep the EUT in standby mode status.

4.3. Support unit used in test configuration

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Item	Equipment name	Trade Name	Model No.
1	PC	Lenovo	ThinkPad

4.4. Test sample information

Туре	Sample No.	
Engineer sample	CISR250815127-S01	
Normal sample	CISR250815127-S02	

4.5. Environmental conditions

Туре	Requirement
Temperature:	15~35°C
Relative Humidity:	25~75%
Air Pressure:	860~1060mbar



4.6. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	AC Conducted Emission	1.63dB
2	Peak Output Power	1.34dB
3	Power Spectral Density	1.34dB
4	6dB Bandwidth	0.002%
5	Duty cycle	-
6	Conducted Band Edge and Spurious Emission	1.93dB
7	Radiated Band Edge Emission	3.76dB for 30MHz-1GHz
,	Tradiated Band Edge Emission	3.80dB for above 1GHz
0	Dedicted Spurious Emission	3.76dB for 30MHz-1GHz
8	Radiated Spurious Emission	3.80dB for above 1GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4.7. Equipment Used during the Test

6dB Bandwidth

Maximum Conducted Output Power

Power Spectral Density

Emissions in non-restricted frequency bands

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	MXG RF Signal Generator	Agilent	N5181A	MY50145362	2025-01-08	2026-01-07
2	Spectrum analyzer	R&S	FSV-40N	102130	2025-01-08	2026-01-07
3	Vector Signal Generator	Agilent	N5182A	MY50142364	2025-01-08	2026-01-07
4	Power Meter	WCS	WCS-PM	WCSPM23040 5A	2025-01-08	2026-01-07

Emissions in frequency bands (above 1GHz)

Band edge emissions (Radiated)

Emissions in frequency bands (below 1GHz)

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI7	100853	2025-01-08	2026-01-07
2	Amplifier	Tonscend	TAP9K3G 40	AP23A806027 0	2025-01-08	2026-01-07
3	Prime amplifier	Tonscend	TAP0101 8050	AP23A806028 0	2025-01-08	2026-01-07
4	9*6*6 anechoic chamber	SKET	9.3*6.3*6	N/A	2024-09-02	2027-09-01
5	Spectrum analyzer	Agilent	N9020A	MY50530263	2025-01-08	2026-01-07



6	Spectrum analyzer	R&S	FSV-40N	102130	2025-01-08	2026-01-07
7	Bilog Antenna	Schwarzbeck	VULB 9163	1463	2023-01-09	2026-01-08
8	Horn Antenna	SCHWARZBECK	BBHA 9120 D	2487	2023-01-09	2026-01-08
9	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	1	2023-01-09	2026-01-08
10	RF Cable	Tonscend	Cable 1	1	2025-01-08	2026-01-07
11	RF Cable	Tonscend	Cable 2	1	2025-01-08	2026-01-07
12	RF Cable	SKET	Cable 3	1	2025-01-08	2026-01-07
13	L.I.S.N.#1	Schwarzbeck	NSLK812 7	1	2025-01-08	2026-01-07
14	L.I.S.N.#2	ROHDE&SCHWA RZ	ENV216	/	2025-01-08	2026-01-07
15	Horn Antenna	SCHWARZBECK	BBHA917 0	1130	2023-01-09	2026-01-08
16	Preamplifier	Tonscend	TAP1804 0048	AP21C806126	2025-01-08	2026-01-07
17	Variable-frequency power source	Pinhong	PH1110	1	2025-01-08	2026-01-07
18	6dB Attenuator	SKET	DC-6G	1	2025-01-08	2026-01-07
19	Antenna tower	SKT	Bk-4AT- BS	AT202104010 1-V1	2025-01-08	2026-01-07



5. TEST RESULTS

5.1. Evaluation Results (Evaluation)

5.1.1. Antenna Requirement

Test Requirement:

Refer to 47 CFR Part 15.203, 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 shall be considered sufficient to comply with the provisions of this section.

5.1.1.1. Test Result

Pass

5.1.1.2. Conclusion:

The EUT antenna is PCB antenna(-0.1dBi), the directional gain of the antenna less than 6dBi. It comply with the standard requirement. In case of replacement of broken antenna the same antenna type must be used. Antenna structure please refer to the EUT internal photographs antenna photo.



5.2. Radio Spectrum Matter Test Results (RF)

5.2.1. 6dB Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 11.8
Procedure:	11.8.1 Option 1 The steps for the first option are as follows: a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. b) Set the VBW ≥ [3 × RBW]. c) Detector = peak. d) Trace mode = max-hold. e) Sweep = No faster than coupled (auto) time. f) Allow the trace to stabilize. g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "-6 dB down amplitude". If a marker is below this "-6 dB down amplitude" value, then it shall be as close as possible to this value. 11.8.2 Option 2 The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., RBW = 100 kHz, VBW ≥ 3 × RBW, and peak detector with
	maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be \geq 6 dB.

5.2.1.1. E.U.T. Operation

Operating Environment:						
Temperature:	23 °C		Humidity:	55.1 %	Atmospheric Pressure:	102 kPa
Pre test mode:		TM1	1			
Final test mode:		TM1	1			

5.2.1.2. Test Setup Diagram



5.2.1.3. Test Result

Pass

5.2.1.4. Test Data

5.2.2. Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Test Limit:	Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	ANSI C63.10-2020 section 11.9.1
Procedure:	ANSI C63.10-2020, section 11.9.1 Maximum peak conducted output power

5.2.2.1. E.U.T. Operation

Operating Env	Operating Environment:						
Temperature:	23 °C	Humid	ity: 55.1	%	Atmospheric Pressure:	102 kPa	
Pre test mode:		TM1					
Final test mode	e:	TM1					

5.2.2.2. Test Setup Diagram



5.2.2.3. Test Result

Pass

5.2.2.4. Test Data

5.2.3. Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Test Limit:	Refer to 47 CFR 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	ANSI C63.10-2020, section 11.10
Procedure: ANSI C63.10-2020, section 11.10, Maximum power spectral density level in the fundamental emission	

5.2.3.1. E.U.T. Operation

Operating Envi	Operating Environment:					
Temperature:	23 °C		Humidity:	55.1 %	Atmospheric Pressure:	102 kPa
Pre test mode:		TM1				
Final test mode:		TM1				

5.2.3.2. Test Setup Diagram



5.2.3.3. Test Result

Pass

5.2.3.4. Test Data

5.2.4. Conducted band edge and spurious emission

Test Requirement:	47 CFR 15.247(d)
Test Limit:	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	ANSI C63.10-2020 section 11.11
Procedure:	ANSI C63.10-2020 Section 11.11.1, Section 11.11.2, Section 11.11.3

5.2.4.1. E.U.T. Operation

Operating Environment:								
Temperature:	23 °C Humidity: 55.1 % Atmospheric Pressure: 102 kPa					102 kPa		
Pre test mode:			1					
Final test mode	ə:	TM	1					

5.2.4.2. Test Setup Diagram



5.2.4.3. Test Result

Pass

5.2.4.4. Test Data

5.2.5. Radiated band edge emission

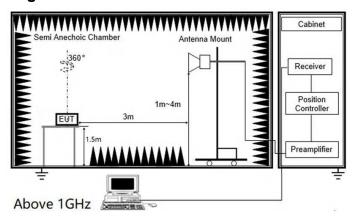
0.2.0. Radiatod Ba	ind edge emission					
Test Requirement:	Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`					
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)			
	0.009-0.490	2400/F(kHz)	300			
	0.490-1.705	24000/F(kHz)	30			
	1.705-30.0	30	30			
	30-88	100 **	3			
	88-216	150 **	3			
Test Limit:	216-960	200 **	3			
rest Limit.	Above 960	500	3			
	these frequency bands is per 15.231 and 15.241. In the emission table above, The emission limits shown in employing a CISPR quasi-per 110–490 kHz and above 100	r-216 MHz or 470-806 MHz. Howermitted under other sections of the the tighter limit applies at the barenthe above table are based on meak detector except for the frequence of MHz. Radiated emission limits a employing an average detector.	is part, e.g., §§ nd edges. easurements ency bands 9–90 kHz,			
Test Method:	ANSI C63.10-2020 section 6	3.10				
Procedure:	 The EUT is placed on a tutable is rotated 360 degrees level. The EUT waspositioned s meters. The antenna is scanned fremission level. Thisis repeat antenna. In order to find the manipulated according to ANS. Use the following spectruma) Span shall wide enough to Set RBW=1MHz, VBW=3 Trace=max hold for Peak meters. 	o fully capture the emission being MHz for >1GHz, Sweep time=aut easurement use duty cycle correction factor m	naximum emission na to the EUT was 3 ut the maximum I polarization of the rface cables were nent. measured o, Detector=peak,			

5.2.5.1. E.U.T. Operation

Operating Environment:								
Temperature: 22.5 °C Humidity: 56.7 % Atmospheric Pressure: 102 kPa								
Pre test mode:	TM ²	1						
Final test mode: TM1								



5.2.5.2. Test Setup Diagram

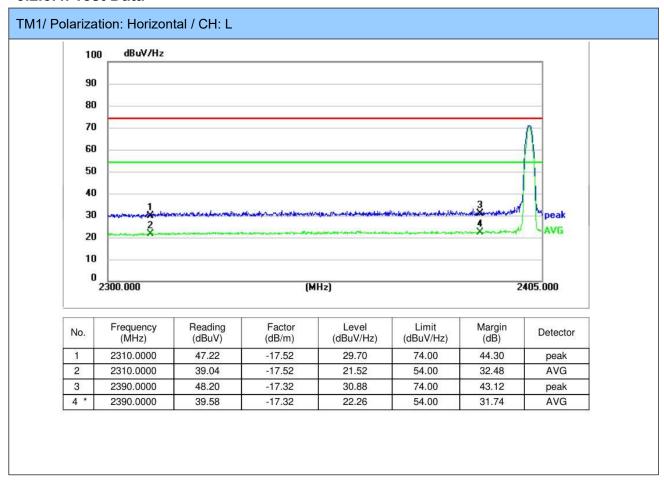


5.2.5.3. Test Result

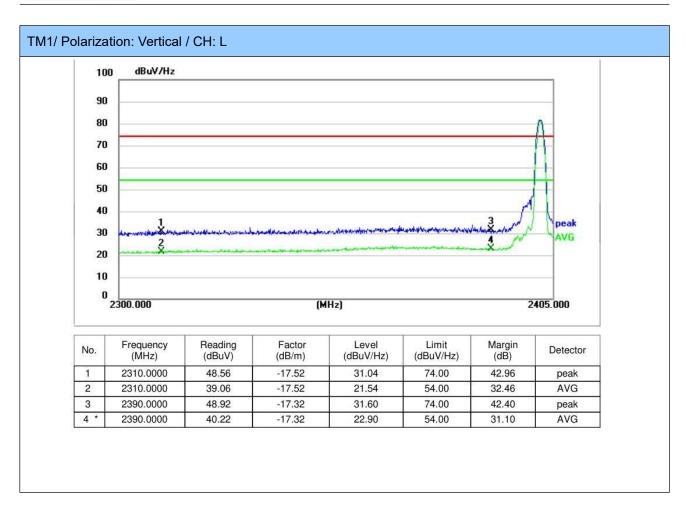
Pass



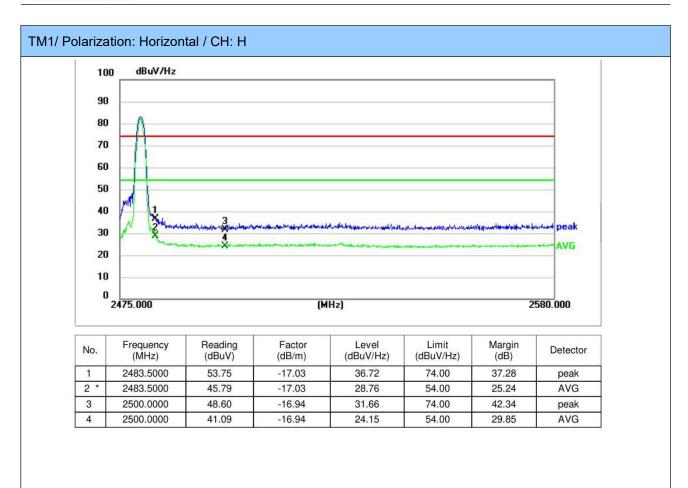
5.2.5.4. Test Data

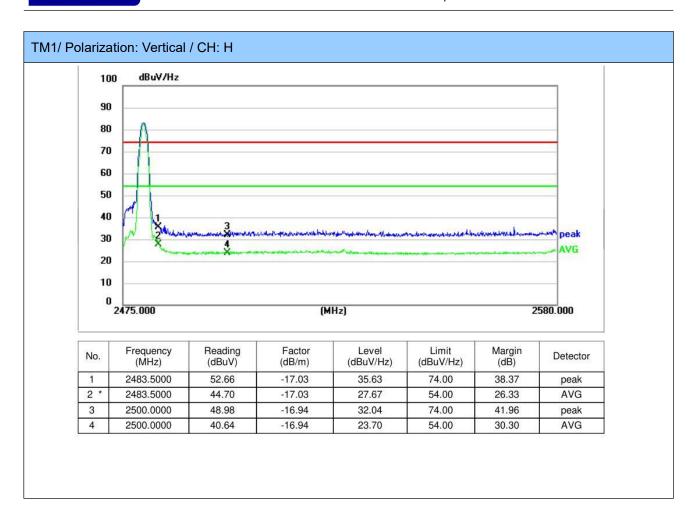












Note:

- 1) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit Level

5.2.6. Radiated Spurious Emission (below 1GHz)

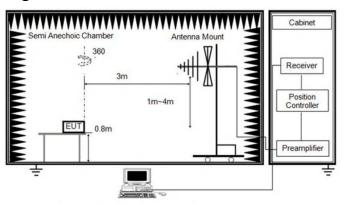
Test Requirement:	restricted bands, as defined	Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`				
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)			
	0.009-0.490	2400/F(kHz)	300			
	0.490-1.705	24000/F(kHz)	30			
	1.705-30.0	30	30			
	30-88	100 **	3			
	88-216	150 **	3			
Took I insite	216-960	200 **	3			
Test Limit:	Above 960	500	3			
	54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.					
Test Method:	ANSI C63.10-2020 section 6	5.6.4				
Procedure:	2. The EUT is placed on a tuning GHz, and 1.5 m for above 1 determine the position of the 3. The EUT was set 3 meters the top of a variable height a 4. For each suspected emission tune the Antenna tower (from degrees) to find the maximum for the test in order to get be 5. Set to the maximum power 6. Use the following spectrum a) Span shall wide enough to b) RBW=120 kHz, VBW=300 Trace=max hold; If the emission level of the E the applicable limit, the peak	s from the receiving antenna, whi intenna tower. sion, the EUT was arranged to its in 1 m to 4 m) and turntable (from im reading. A pre-amp and a high tter signal level to comply with the er setting and enable the EUT trar	O degrees to ch was mounted on worst case and then O degree to 360 pass filter are used e guidelines. nsmit continuously. measured; ction=peak, or is 3 dB lower than Otherwise, the			

5.2.6.1. E.U.T. Operation

Operating Environment:								
Temperature:	22.5 °C	C Humidity:	Humidity: 56.7 % Atmospheric Pressure: 102 kPa					
Pre test mode: TM1, TM2								
Final test mode	e :	All of the listed pre (TM1) is recorded		ested, only the data of the	worst mode			



5.2.6.2. Test Setup Diagram



Below 1 GHz and above 30 MHz

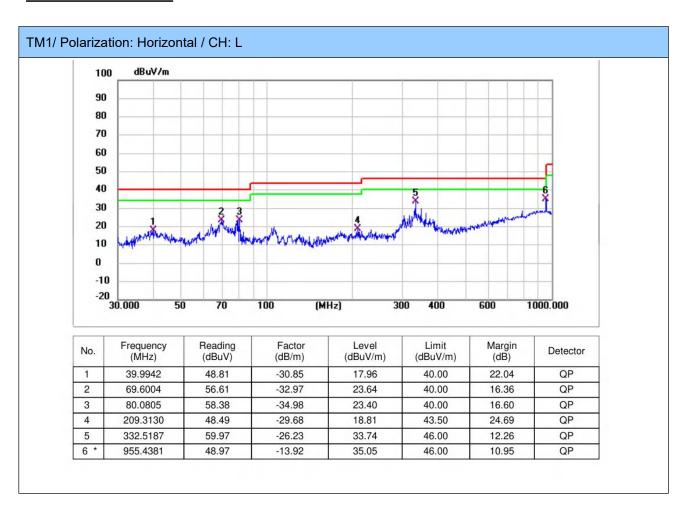
5.2.6.3. Test Result

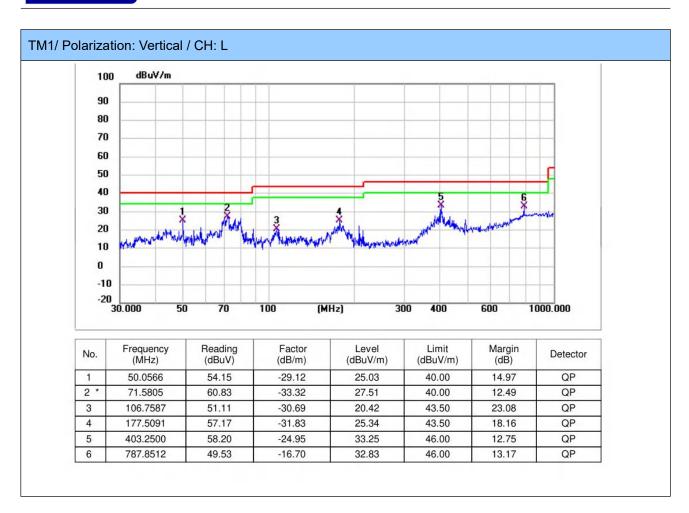
Pass



5.2.6.4. Test Data

For 30 MHz ~ 1000 MHz





Note:

1) For 9 kHz ~ 30 MHz Measurement

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

- 2) Level= Reading + Factor; Factor = Antenna Factor + Cable Loss- Preamp Factor
- 3) Margin = Limit Level

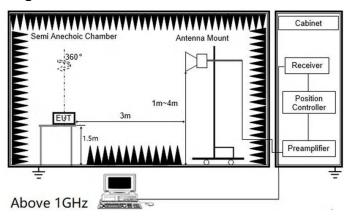
5.2.7. Radiated Spurious Emission (Above 1GHz)

Test Requirement:	Refer to 47 CFR 15.247(d), in addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`				
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)		
	0.009-0.490	2400/F(kHz)	300		
	0.490-1.705	24000/F(kHz)	30		
	1.705-30.0	30	30		
	30-88	100 **	3		
	88-216	150 **	3		
	216-960	200 **	3		
Test Limit:	Above 960	500	3		
	15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.				
Test Method:	ANSI C63.10-2020 section	on 6.6.4			
Procedure:	2. The EUT is placed on GHz, and 1.5 m for abov determine the position of 3. The EUT was set 3 me the top of a variable heig 4. For each suspected er tune the Antenna tower (degrees) to find the maxifor the test in order to ge 5. Set to the maximum pe 6. Use the following special Span shall wide enough Set RBW=1MHz, VBW Trace=max hold for Peak	mission, the EUT was arranged from 1 m to 4 m) and turntable imum reading. A pre-amp and at better signal level to comply vower setting and enable the EU ctrum analyzer settings gh to fully capture the emission V=3MHz for >1GHz, Sweep times measurement nt: use duty cycle correction fa	above ground for below 1 ted 360 degrees to a, which was mounted on It to its worst case and then (from 0 degree to 360 a high pass filter are used with the guidelines. JT transmit continuously. being measured; are auto, Detector=peak,		

5.2.7.1. E.U.T. Operation

Operating Environment:							
Temperature: 22.5 °C			Humidity:	56.7 %	Atmospheric Pressure:	102 kPa	
Pre test mode: TM1, TM2							
Final test mode: All of the listed pre-test mode w (TM1) is recorded in the report					sted, only the data of the	worst mode	

5.2.7.2. Test Setup Diagram



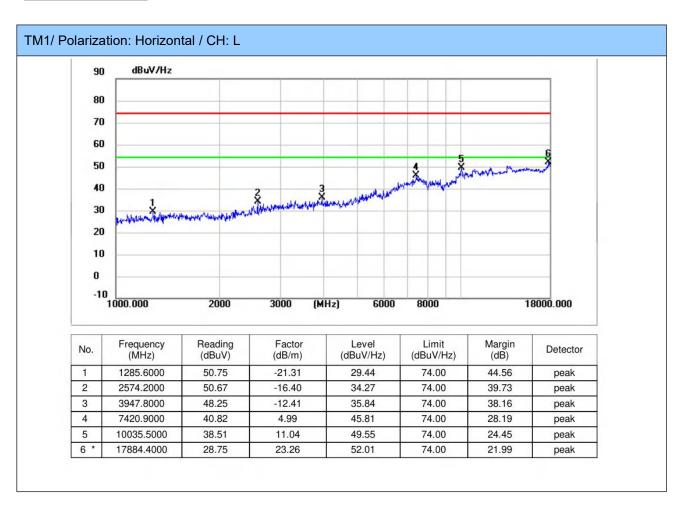
5.2.7.3. Test Result

Pass



5.2.7.4. Test Data

For 1 GHz ~ 25 GHz





TM1/ Polarization: Vertical / CH: L dBuV/Hz -10 1000.000 18000.000 (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1440.3000	51.84	-20.88	30.96	74.00	43.04	peak
2	2575.9000	50.91	-16.38	34.53	74.00	39.47	peak
3	3703.0000	46.85	-13.08	33.77	74.00	40.23	peak
4	7062.2000	39.25	3.89	43.14	74.00	30.86	peak
5	11041.9000	34.28	13.42	47.70	74.00	26.30	peak
6 *	17915.0000	27.85	23.50	51.35	74.00	22.65	peak



TM1/ Polarization: Horizontal / CH: M dBuV/Hz -10 1000.000 18000.000 (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1394.4000	51.04	-21.12	29.92	74.00	44.08	peak
2	2575.9000	50.19	-16.38	33.81	74.00	40.19	peak
3	4653.3000	45.17	-10.50	34.67	74.00	39.33	peak
4	7533.1000	39.26	5.39	44.65	74.00	29.35	peak
5	13299.5000	32.82	16.62	49.44	74.00	24.56	peak
6 *	17884.4000	28.66	23.26	51.92	74.00	22.08	peak

18000.000



TM1/ Polarization: Vertical / CH: M dBuV/Hz -10 1000.000

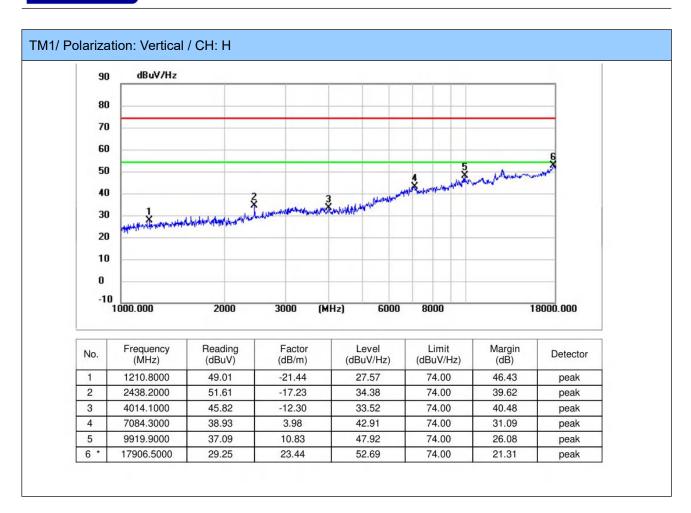
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1379.1000	50.03	-21.15	28.88	74.00	45.12	peak
2	2577.6000	50.21	-16.35	33.86	74.00	40.14	peak
3	5212.6000	44.65	-7.95	36.70	74.00	37.30	peak
4	8950.9000	33.15	8.21	41.36	74.00	32.64	peak
5	14797.2000	30.31	18.05	48.36	74.00	25.64	peak
6 *	17954.1000	26.37	23.79	50.16	74.00	23.84	peak

(MHz)



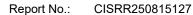
TM1/ Polarization: Horizontal / CH: H dBuV/Hz -10 1000.000 18000.000 (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/Hz)	Limit (dBuV/Hz)	Margin (dB)	Detector
1	1343.4000	52.55	-21.21	31.34	74.00	42.66	peak
2	2496.0000	51.17	-16.96	34.21	74.00	39.79	peak
3	4017.5000	47.54	-12.29	35.25	74.00	38.75	peak
4	7189.7000	38.88	4.37	43.25	74.00	30.75	peak
5	11235.7000	32.32	13.69	46.01	74.00	27.99	peak
6 *	18000.0000	27.65	24.13	51.78	74.00	22.22	peak



Note:

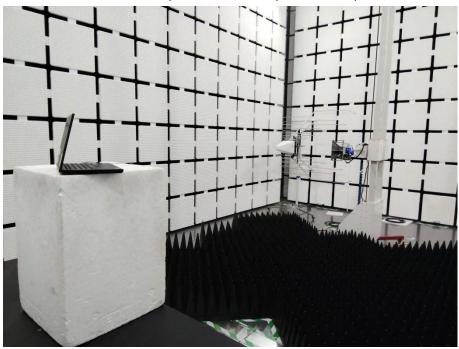
- 1) Level= Reading + Factor; Factor = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Margin = Limit Level
- 3) Average measurement was not performed if peak level is lower than average limit (54dBuV/m) for above 1GHz.



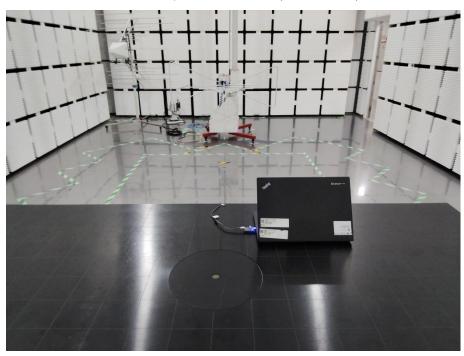


6. TEST SETUP PHOTOS

Radiated band edge emission Radiated Spurious Emission (Above 1GHz)



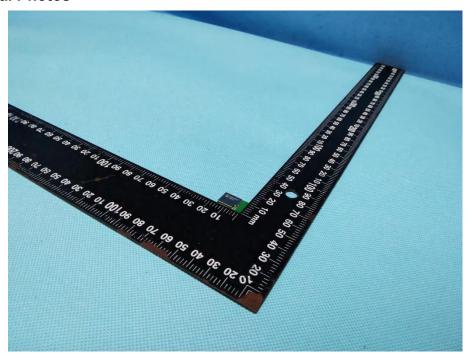
Radiated Spurious Emission (below 1GHz)

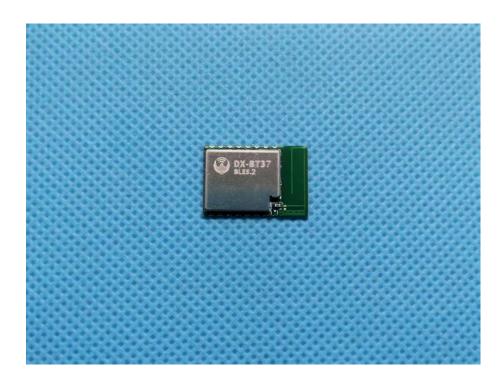




7. EXTERNAL AND INTERNAL PHOTOS

7.1. External Photos

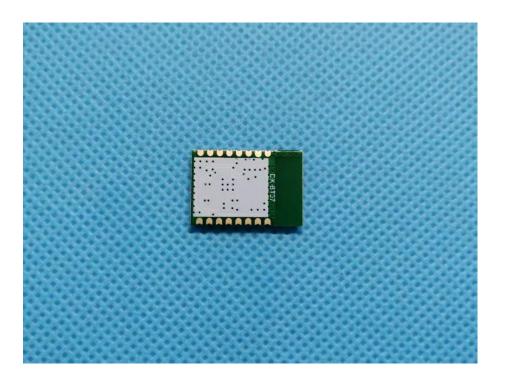


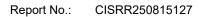




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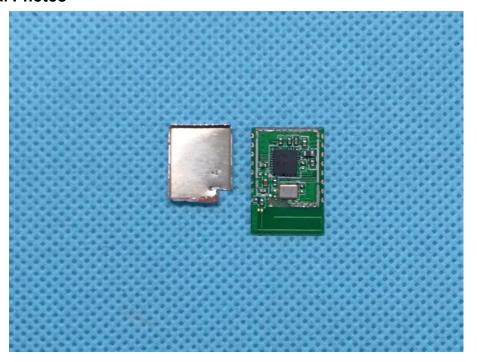


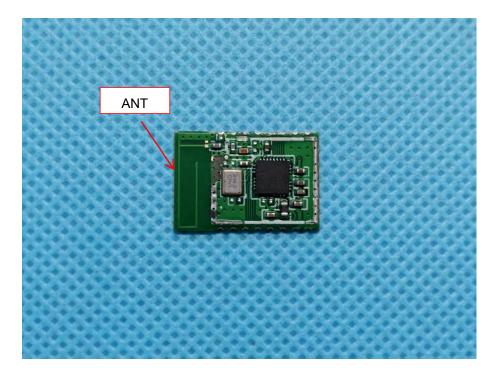






7.2. Internal Photos





8. Appendix Report



CISRR250815127



Appendix Report

Project No.: CISR250815127

Test Engineer: Shy Lan

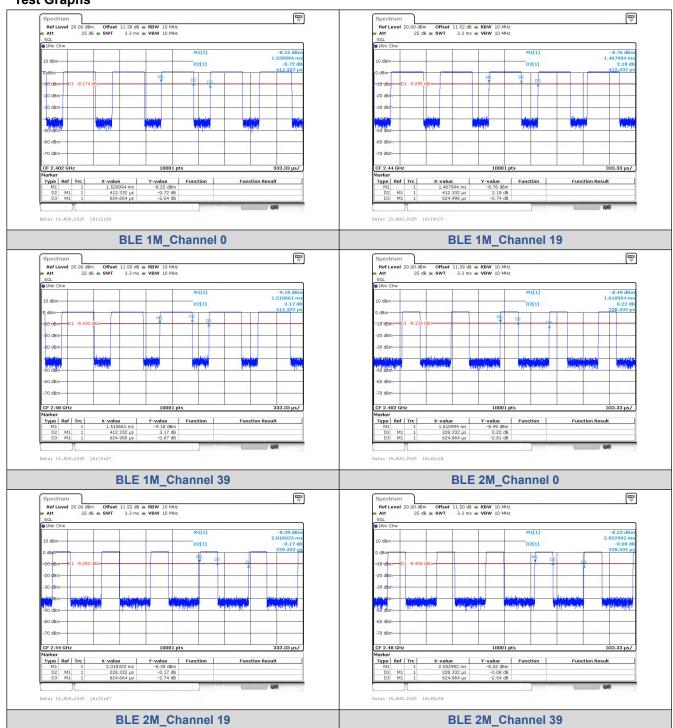
Supervised by: Jimmy Huang



8.1. Duty Cycle

Test Result

Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
	0	0.412	0.625	66.01	0.6601	1.8039	2.4272
BLE 1M	19	0.412	0.625	65.97	0.6597	1.8065	2.4272
	39	0.412	0.625	65.97	0.6597	1.8065	2.4272
	0	0.228	0.625	36.55	0.3655	4.3711	4.3860
BLE 2M	19	0.228	0.625	36.55	0.3655	4.3711	4.3860
	39	0.228	0.625	36.55	0.3655	4.3711	4.3860

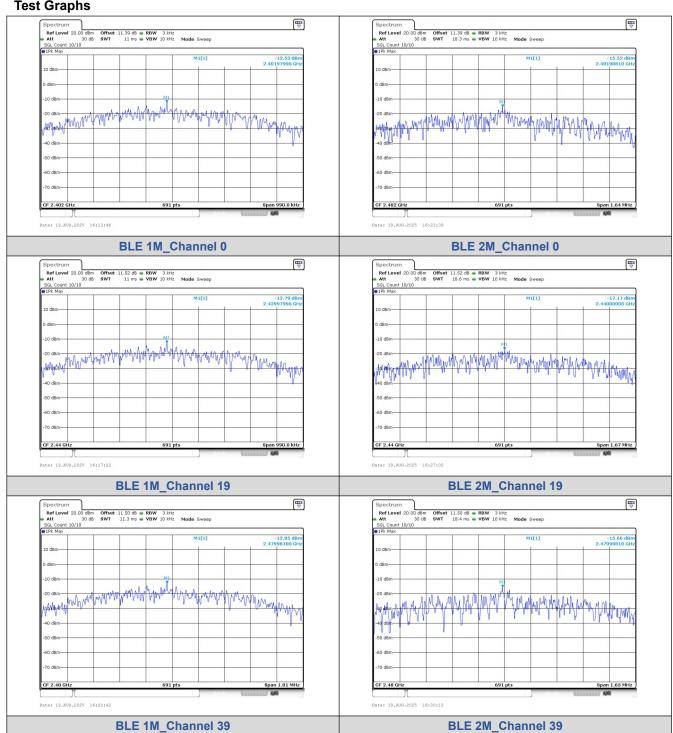




8.2. Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz) Limit (dBm/3kHz)		Result
BLE 1M	0	-12.530	≤8	PASS
BLE 1M	19	-12.790	≤8	PASS
BLE 1M	39	-12.850	≤8	PASS
BLE 2M	0	-15.520	≤8	PASS
BLE 2M	19	-17.170	≤8	PASS
BLE 2M	39	-15.660	≤8	PASS

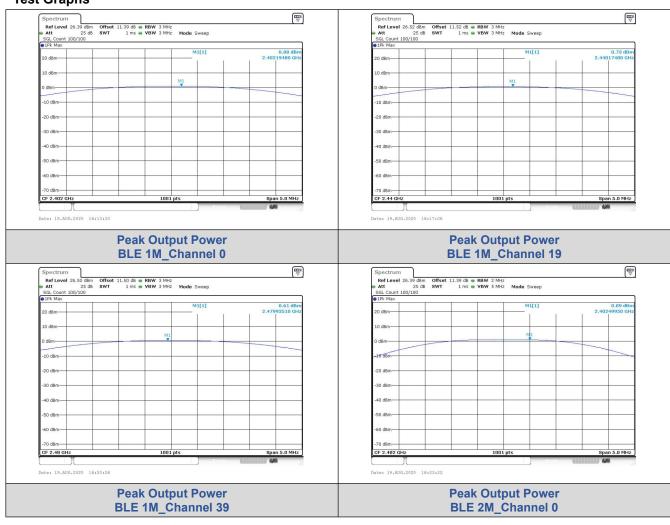




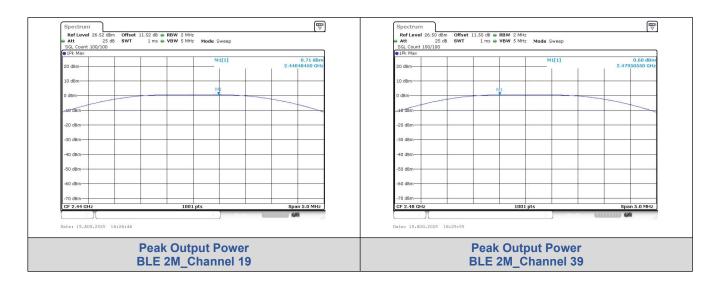
8.3. Conducted Output Power

Test Result

Mode	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (dBm)	Result
BLE 1M	0	0.88	1.22	≤30	PASS
	19	0.73	1.18	≤30	PASS
	39	0.61	1.15	≤30	PASS
BLE 2M	0	0.89	1.23	≤30	PASS
	19	0.71	1.18	≤30	PASS
	39	0.60	1.15	≤30	PASS





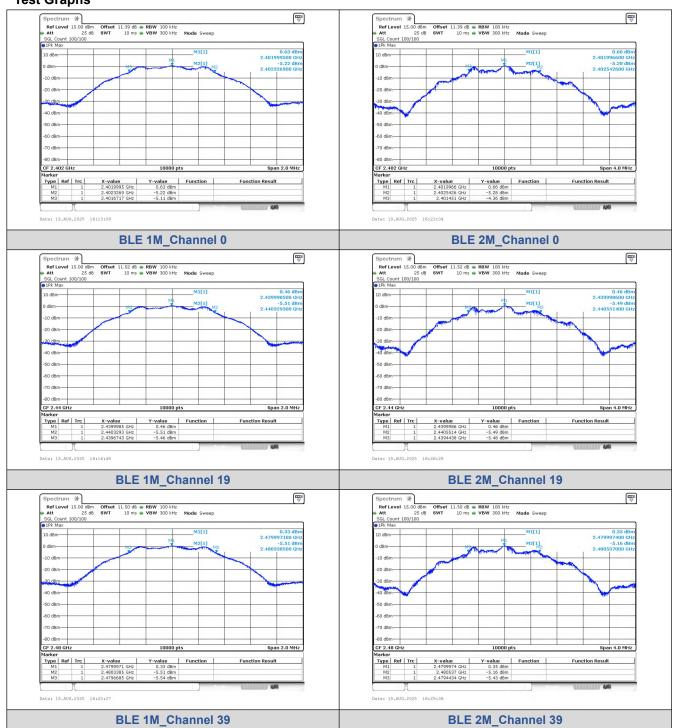




8.4. 6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
BLE 1M	0	2402	0.6600		PASS
	19	2440	0.6600	>0.5	PASS
	39	2480	0.6700		PASS
BLE 2M	0	2402	1.090	≥0.5	PASS
	19	2440	1.110		PASS
	39	2480	1.100		PASS



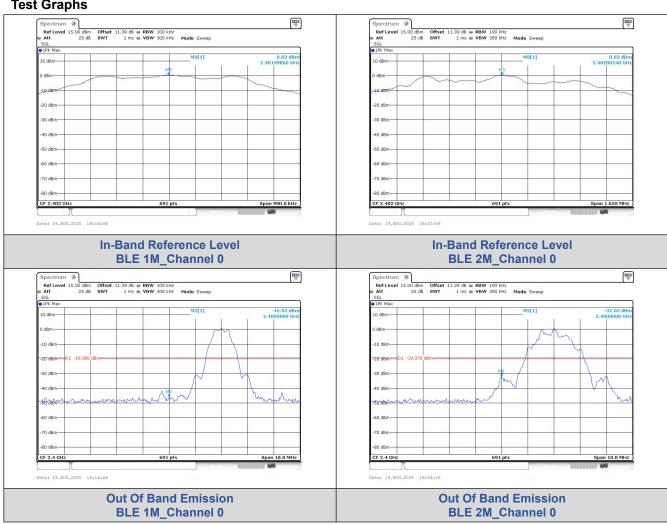


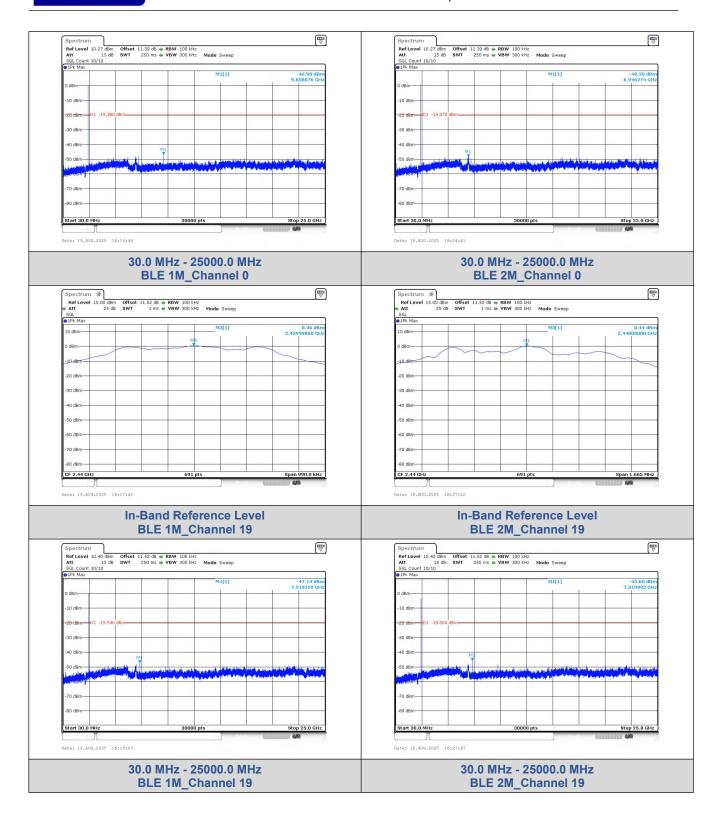
CISRR250815127 Report No.:

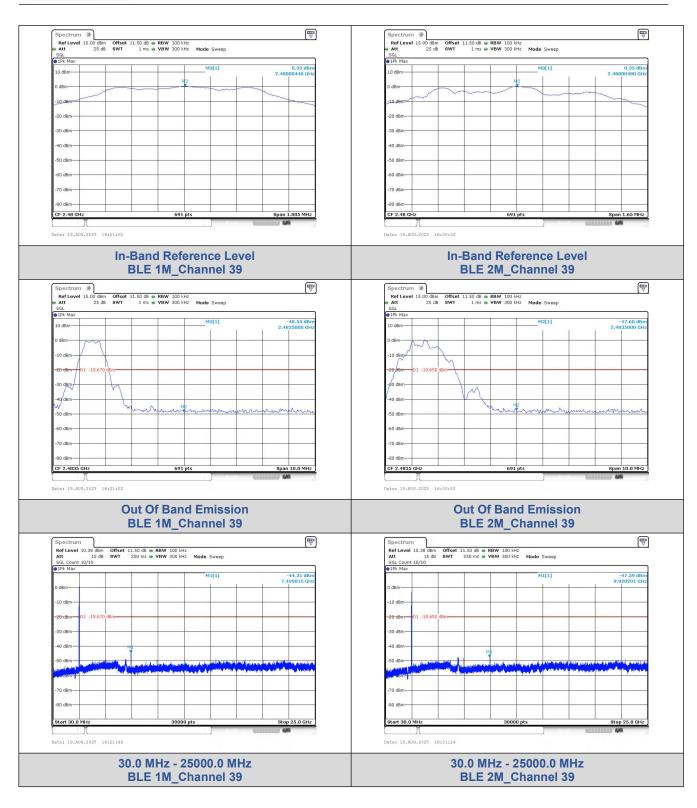
8.5. Conducted Out Of Band Emission

Test Result

Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
BLE 1M	0	2400.00	-45.930	-19.38	-26.550	PASS
		9608.08	-46.895	-19.38	-27.515	PASS
	19	7319.16	-47.144	-19.54	-27.604	PASS
	39	2483.50	-48.550	-19.67	-28.880	PASS
		7439.02	-44.305	-19.67	-24.635	PASS
BLE 2M	0	2400.00	-32.050	-19.37	-12.680	PASS
		6946.27	-48.388	-19.37	-29.018	PASS
	19	7319.99	-45.604	-19.56	-26.044	PASS
	39	2483.50	-47.600	-19.65	-27.950	PASS
		9920.20	-47.387	-19.65	-27.737	PASS







-----End of the report-----