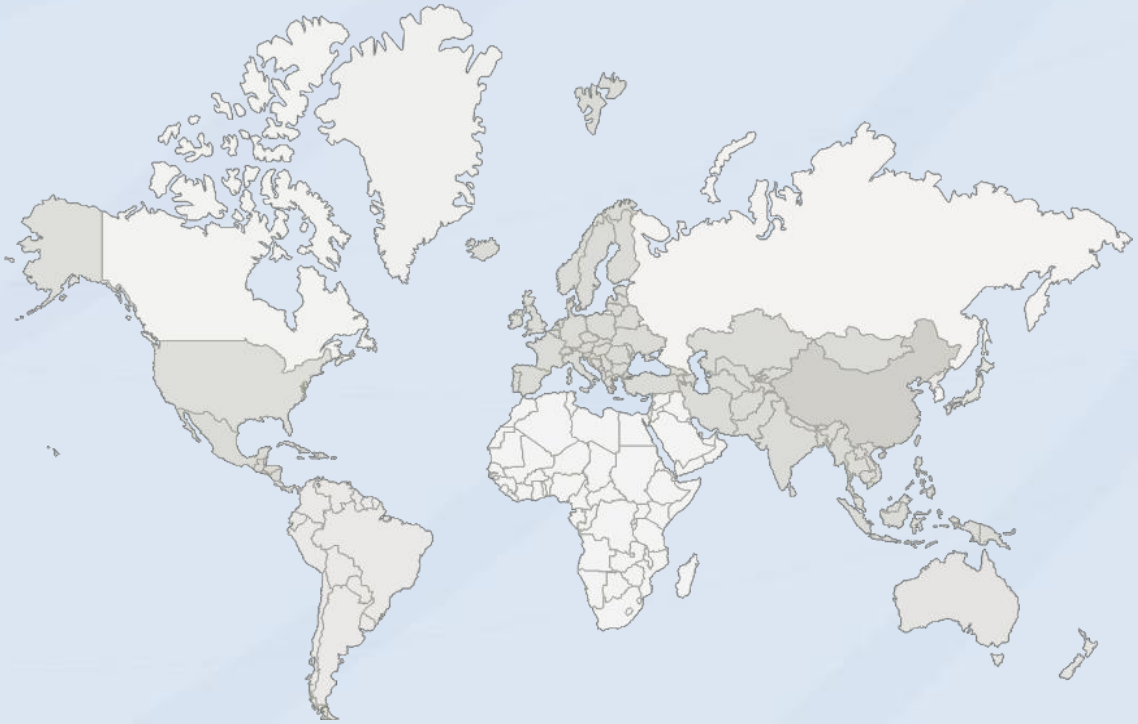
FCC TEST REPORT

Report No..... NTC-ER2603029

Applicant's name ..... XGIMI Technology Co., Ltd.

Address..... Building A4, No.1129, Century City Road, High-Tech Zone, Chengdu, Pilot Free Trade Zone, Sichuan, China



Dongguan New Testing Centre Co., Ltd

Address: 1F & 3F, No. 1 the 1st North Industry Road Songshan Lake Science & Technology Park Dongguan, People's Republic of China 523808

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TABLE OF CONTENTS

TEST REPORT DECLARE

FCC ID	:	2AFENB942C
Equipment under Test	:	Remote Control
Model /Type	:	B942C
Listed Models	:	B942C
Applicant	:	XGIMI Technology Co., Ltd.
Address	:	Building A4, No.1129, Century City Road, High-Tech Zone, Chengdu, Pilot Free Trade Zone, Sichuan, China
Manufacturer	:	XGIMI Technology Co., Ltd.
Address	:	Building A4, No.1129, Century City Road, High-Tech Zone, Chengdu, Pilot Free Trade Zone, Sichuan, China
Test Laboratory	:	Dongguan New Testing Centre Co., Ltd
Address	:	1F & 3F, No. 1 the 1st North Industry Road Songshan Lake Science & Technology Park Dongguan, People's Republic of China 523808

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C: 15.247, ANSI C63.10:2020.

We Declare:

The equipment described above is tested by Dongguan New Testing Centre Co., Ltd and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan New Testing Centre Co., Ltd is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No.:	NTC-ER2603029		
Date of Test:	2026/01/20~2026/01/30	**Date of Report.:**	2026/01/20

Prepared By:

Taylor chen

Taylor Chen/Engineer

Approved By:

Dongguan New Testing Center Co., Ltd NTC Product Service

Dave

Dave Gao/LAB Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan New Testing Centre Co., Ltd

1. Summary of test results

Description of Test Item	Standard	Results
Antenna Requirement	Section 15.247(c)	PASS
Conduction Emissions	Section 15.207(a)	N/A
Radiated Emissions	Section 15.247(d)	PASS
Maximum Conducted Output Power	Section 15.247(b)	PASS
Band Edge Emissions	Section 15.247(d)	PASS
Power Spectral Density	Section 15.247(e)	PASS
6dB Bandwidth	Section 15.247(a)(2)	PASS
RF Exposure	Section 15.247(i)	PASS

2. General test information

2.1. Description of EUT

Product Name:	:	Remote Control
Model/Type reference:	:	B942C
Power supply:	:	DC 3V
Hardware Version:	:	S1907A4967
Software Version:		B993C_CY05J_CY_V1.0.8
BLE		
Supported type:	:	Bluetooth Low Energy
Modulation:	:	GFSK
Operation frequency:	:	2402MHz to 2480MHz
Channel number:	:	40
Channel separation:	:	2 MHz
Antenna type:	:	PCB Antenna
Antenna gain:	:	Max 0.14 dBi

Note: 1, EUT is the ab. of equipment under test.

Detail models

Model	Rating	Note
B942C	DC 3V	/

2.2. Frequency list:

The Applicant provides communication tools software to control the EUT for staying in continuous transmitting (Duty Cycle more than 98%) and receiving mode for testing.

There are 40 channels provided to the EUT and Channel 00/19/39 were selected for BLE test.

Operation Frequency List：

Channel	Frequency (MHz)
00	**2402**
02	2404
03	2406
⋮	⋮
19	**2440**
⋮	⋮
37	2476
38	2478
39	**2480**

Note: The line display in grey were the channel selected for testing

2.3. Test Peripheral List

No.	Equipment	Manufacturer	Model No.	Serial No.	Note
1	Notebook	Lenovo	ThinkPadE450	0B95160	--

2.4. Block diagram EUT configuration for test

For EUT Tx mode:

DC Mains ——— EUT

2.5. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

(1) E.U.T. test conditions:

15.31(e): For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery operated equipment, the equipment tests shall be performed using a new battery.

(2) Test frequencies:

According to the 15.31(m) Measurements on intentional radiators or receivers, other than TV broadcast receivers, shall be performed and. If required reported for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table:

Frequency range over which device operates	Number of frequencies	Location in the range of operation

1 MHz or less	1	Middle
1 to 10 MHz	2	1 near top and 1 near bottom
More than 10 MHz	3	1 near top, 1 near middle and 1 near bottom

(3) Frequency range of radiated measurements:
According to the 15.33, the test range will be up to the tenth harmonic of the highest fundamental frequency.

(4) Pre-test the EUT in all transmitting mode at the lowest (2402 MHz), middle (2440 MHz) and highest (2480 MHz) channel with different data packet and conducted to determine the worst-case mode,

The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.

2.6. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	3.20 dB
Uncertainty for Radiation Emission test (30MHz – 1GHz)	4.60 dB (Polarize: V)
	4.60 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz – 18GHz)	4.82 dB (Polarize: V)
	4.52 dB (Polarize: H)
Bandwidth	±1.2%
Stop Transmitting Time Test	±0.5%
Uncertainty for frequency error	5.8 x 10-8

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

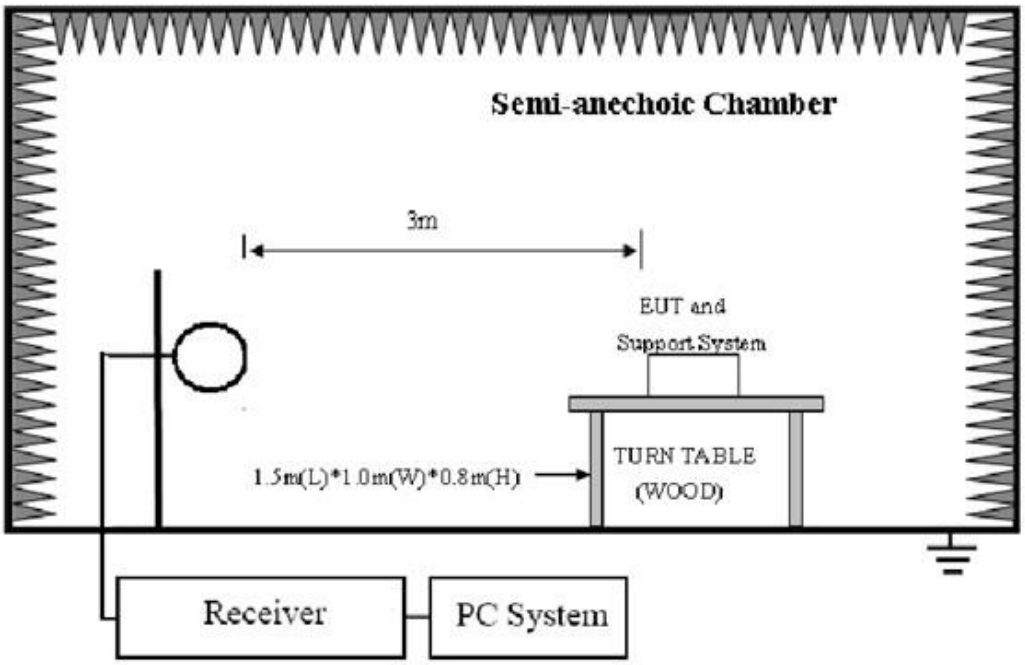
3. Radiated emission test

3.1. Test equipment

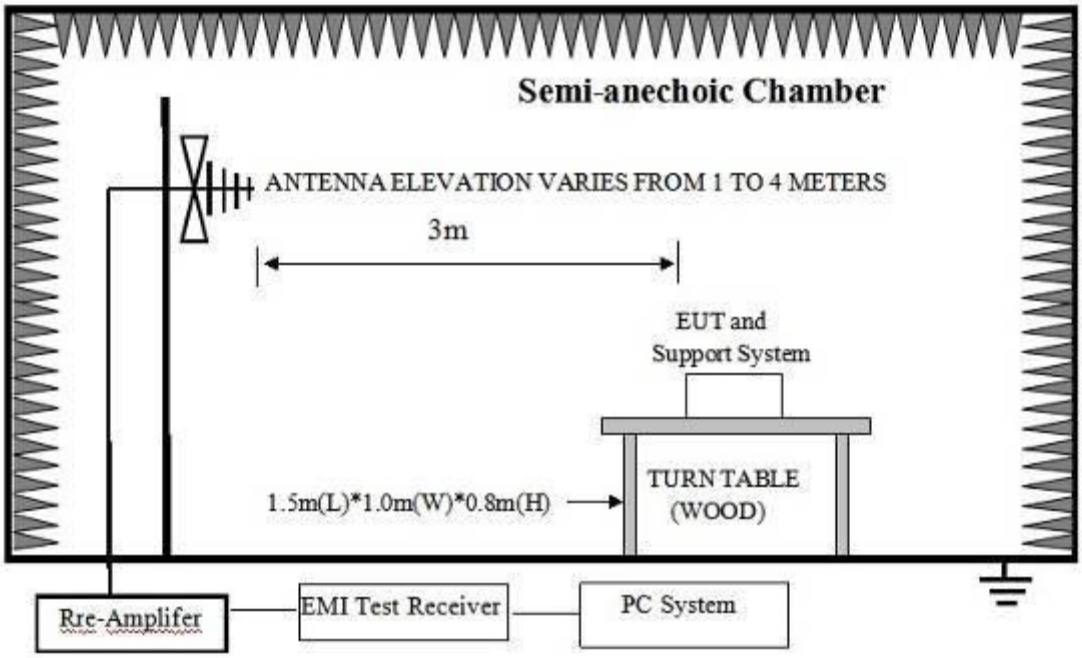
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	EMI Test Receiver	R&S	ESR26	7250-304067528	2025-05-08	1 Year
2	Trilog Broadband Antenna	Schwarzbeck	VULB9168	00969	2025-05-08	2 Year
3	Pre-amplifier	R&S	8449B	3113A04553	2025-05-08	1 Year
4	Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	2025-05-08	1 Year
5	Horn antenna	Schwarzbeck	BBHA9120D	453	2025-05-08	2 Year
6	Double Ridged Horn Antenna	A.H. System	SAS-574	584	2025-05-08	1 Year
7	Pre-amplifier	R&S	SCU18	105326	2025-05-08	1 Year
8	RF Cable	GORE	OSQ01Q01078.7	SN15458473	2025-05-08	1 Year
9	RF Cable	GORE	OSQ01Q01078.7	SN15458474	2025-05-08	1 Year
10	RF Cable	ESCO	ETS-LINGREN	RFC-SMS-100-SMS-340-IN	2025-05-08	1 Year
11	Measurement software	Farad	EZ-EMC(VER:1.1.4.2)	N/A	N/A	N/A

3.2. Block diagram of test setup

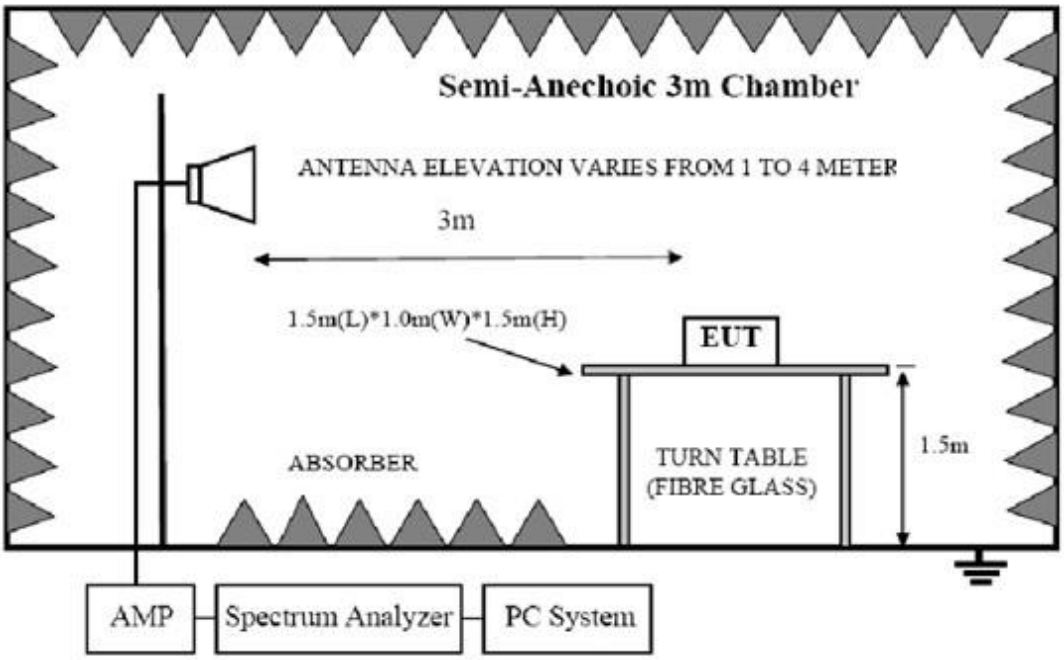
In 3m Anechoic Chamber Test Setup Diagram for 9KHz to 30MHz:



In 3m Anechoic Chamber Test Setup Diagram for 30MHz to 1GHz:



In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz:



3.1. Limit

FCC 15.205 Restricted frequency band:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

FCC 15.209 Limit

Frequency (MHz)	Distance (Meters)	Field Strengths Limits dB(μV)/m
30--88	3	40.0
88--216	3	43.5
216--960	3	46.0
960--1000	3	54.0
Above 1GHz	3	Peak: 74.0
	3	Average:54.0

Note: (1) The smaller limit shall apply at the cross point between two frequency bands.

(2)Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

(3)The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90KHz, 110-490KHz and above 1000MHz.Radiated emissions limits in these three bands are based on measurements employing an average detector.

(4) At frequencies below 30MHz, measurement may be performed at a distance closer then that specified, and the limit at closer measurement distance can be extrapolated by below formula:

Limit 3m(dBuV/m)= Limit30m(dBuV/m) + 40Log(30m/3m)

(5)All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

3.2. Test Procedure

Procedure of Preliminary Test

Configuration EUT to simulate typical usage as described in clause 2.3 and test equipment as described in clause 4.2 of this report.

Mains cables, telephone lines or other connections to auxiliary equipment located outside the test are shall drape to the floor, be fitted with ferrite clamps or ferrite tubes placed on the floor at the point where the cable reaches the floor and then routed to the place where they leave the turntable. No extension cords shall be used to mains receptacle.

EUT height should be 0.8m for below 1GHz and 1.5m for above 1GHz at ground with absorbers.

The antenna was placed at 3 meter away from the EUT as stated in ANSI C63.10. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.

The Analyzer / Receiver quickly scanned from 30MHz to 25GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

The X, Y, Z three axial are tested and the report only the worst case.

The emissions from 9KHz to 1GHz, QP or average values were measured with EMI receiver with below RBW:

Frequency band	RBW
9KHz-150KHz	200Hz
150KHz-30MHz	9KHz
30MHz-1GHz	120KHz

For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure; RMS detector RBW 1MHz VBW 3MHz for Average measure.

3.3. Test result

PASS. (See below detailed test result)

All the emissions except fundamental emission from 9 KHz to 40GHz were comply with FCC PART 15.209 limits limit.

Note1: According exploratory test no any obvious emission were detected from 9KHz to 30MHz and 25GHz to 40GHz, so the final test was performed with frequency range from 30MHz to 25GHz and recorded in below.

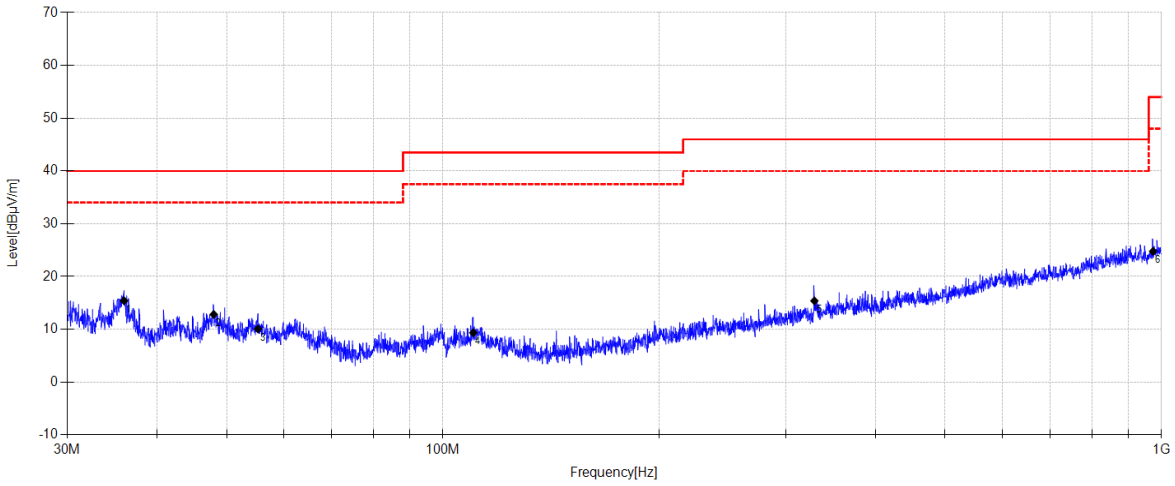
Note2: For emissions above 1GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

Note3: Level = Reading Level + Factor, Margin= Level-Limit

Radiated Emission Test Result

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-26	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:24.9°C;Humi:44.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26011304-1E\FCC Below 1G\1		
Memo:	Sample Number:S26011304-003		



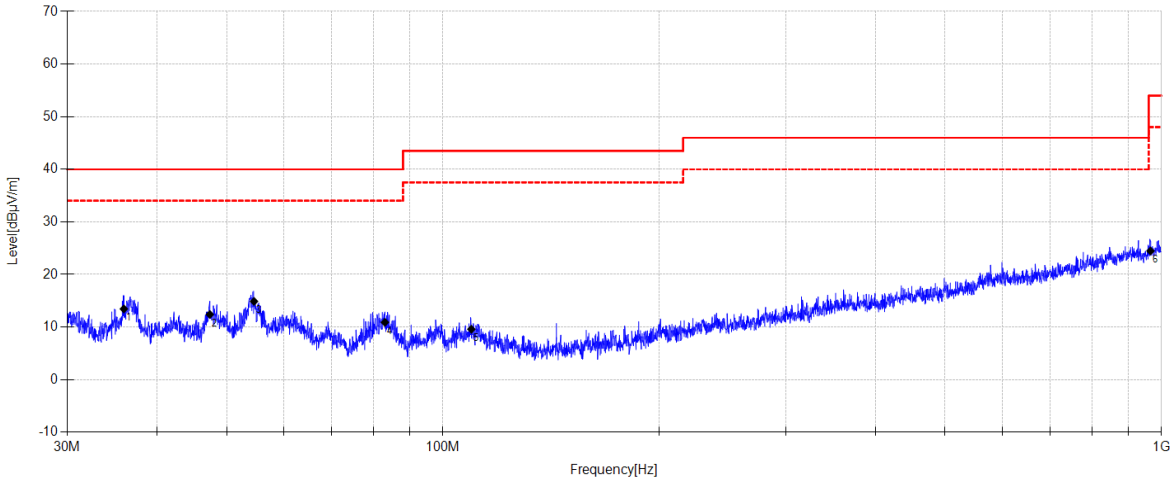
Final Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	35.999	31.94	11.90	3.86	15.40	40.00	24.60	QP	Horizontal
2	47.989	27.94	13.20	3.97	12.81	40.00	27.19	QP	Horizontal
3	55.291	25.56	12.79	4.02	10.07	40.00	29.93	QP	Horizontal
4	110.230	25.4	11.90	4.36	9.35	43.50	34.15	QP	Horizontal
5	328.882	28.19	14.22	5.40	15.38	46.00	30.62	QP	Horizontal
6	973.707	26.82	22.12	7.29	24.77	54.00	29.23	QP	Horizontal

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-26	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:24.9°C;Humi:44.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26011304-1E\FCC Below 1G\2		
Memo:	Sample Number:S26011304-003		



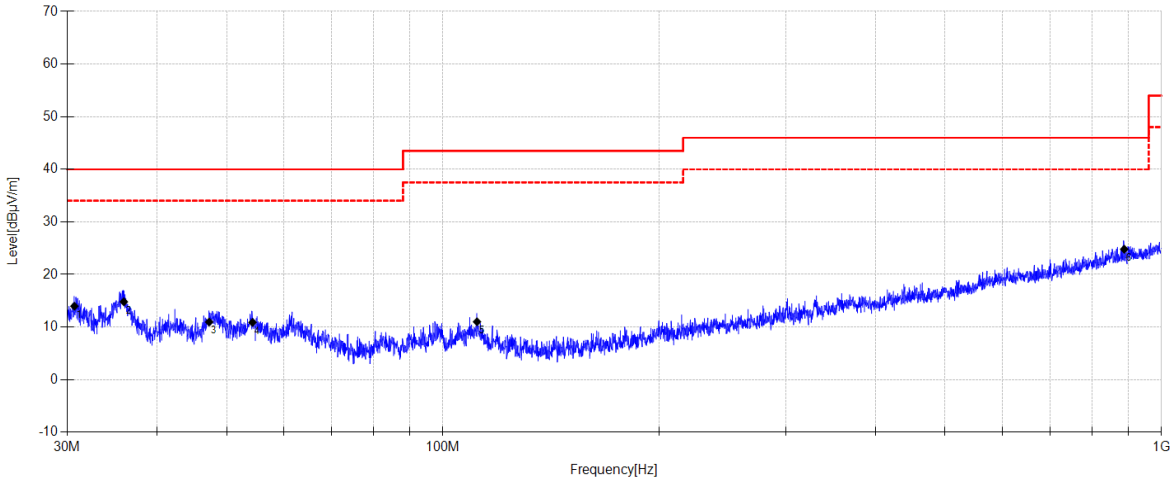
Final Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	35.974	30.01	11.88	3.86	13.45	40.00	26.55	QP	Vertical
2	47.388	27.41	13.32	3.96	12.39	40.00	27.61	QP	Vertical
3	54.598	30.17	12.98	4.02	14.87	40.00	25.13	QP	Vertical
4	83.038	30.08	8.90	4.21	10.89	40.00	29.11	QP	Vertical
5	109.537	25.49	12.04	4.36	9.58	43.50	33.92	QP	Vertical
6	965.549	26.27	22.43	7.27	24.46	54.00	29.54	QP	Vertical

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-26	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:24.9°C;Humi:44.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26011304-1E\FCC Below 1G\3		
Memo:	Sample Number:S26011304-003		



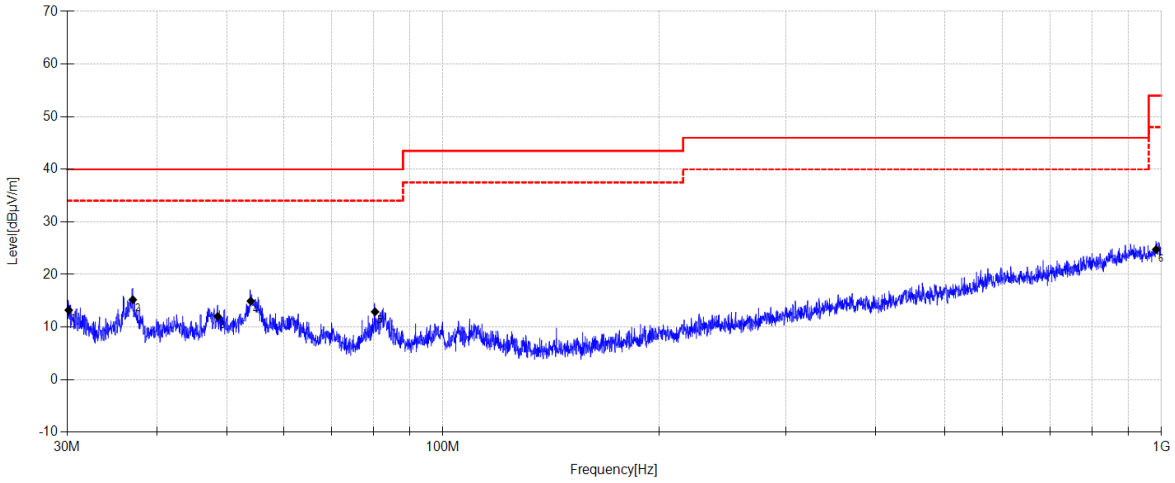
Final Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	30.702	32.11	10.36	3.79	13.96	40.00	26.04	QP	Horizontal
2	35.974	31.36	11.88	3.86	14.80	40.00	25.20	QP	Horizontal
3	47.288	25.96	13.34	3.96	10.96	40.00	29.04	QP	Horizontal
4	54.331	26	13.17	4.01	10.88	40.00	29.12	QP	Horizontal
5	111.552	26.98	11.96	4.37	11.00	43.50	32.50	QP	Horizontal
6	887.631	28.13	21.55	7.09	24.80	46.00	21.20	QP	Horizontal

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-26	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:24.9°C;Humi:44.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26011304-1E\FCC Below 1G\4		
Memo:	Sample Number:S26011304-003		



Final Data List

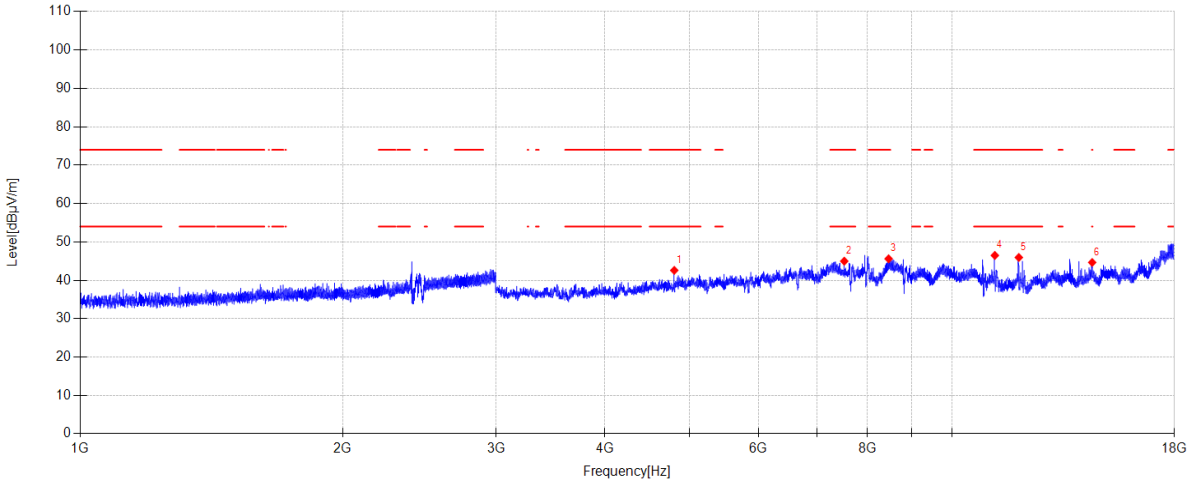
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	30.148	31.27	10.47	3.78	13.22	40.00	26.78	QP	Vertical
2	37.023	31.41	12.20	3.88	15.19	40.00	24.81	QP	Vertical
3	48.599	26.9	13.44	3.97	12.01	40.00	27.99	QP	Vertical
4	54.027	29.84	13.38	4.01	14.93	40.00	25.07	QP	Vertical
5	80.459	32.49	8.51	4.19	12.89	40.00	27.11	QP	Vertical
6	983.313	26.35	22.47	7.32	24.74	54.00	29.26	QP	Vertical

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

For 1GHz to 18GHz

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\3		
Memo:	Sample number:S26011304-002		

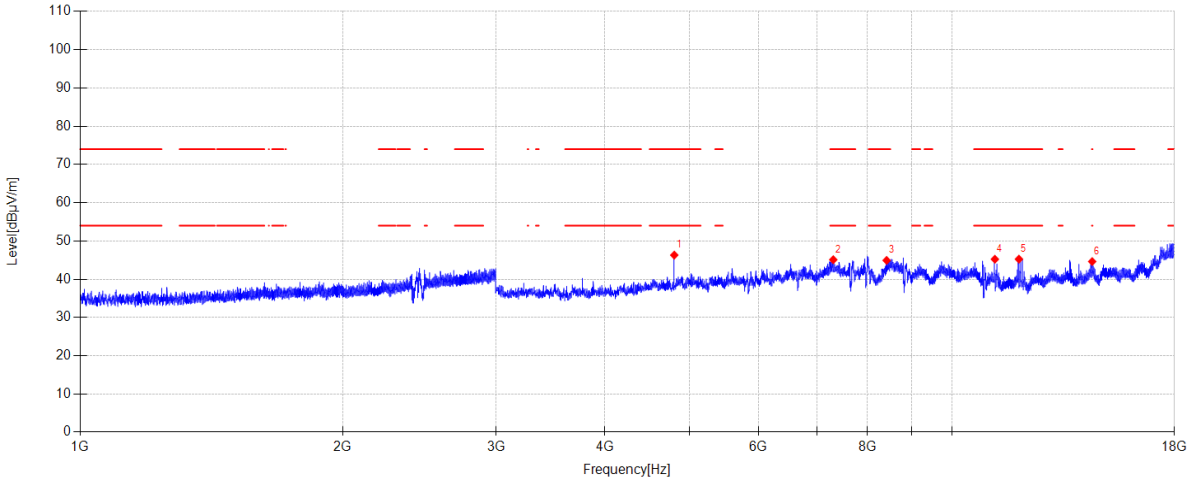


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4803.000	50.30	32.39	-40.10	0.00	42.59	74.00	31.41	PK	Horizontal
2	7525.500	46.17	36.42	-37.61	0.00	44.98	74.00	29.02	PK	Horizontal
3	8460.000	42.93	37.35	-34.68	0.00	45.60	74.00	28.40	PK	Horizontal
4	11202.000	39.35	38.88	-31.75	0.00	46.48	74.00	27.52	PK	Horizontal
5	11934.000	38.60	38.81	-31.46	0.00	45.95	74.00	28.05	PK	Horizontal
6	14485.500	33.05	39.76	-28.16	0.00	44.65	74.00	29.35	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\4		
Memo:	Sample number:S26011304-002		

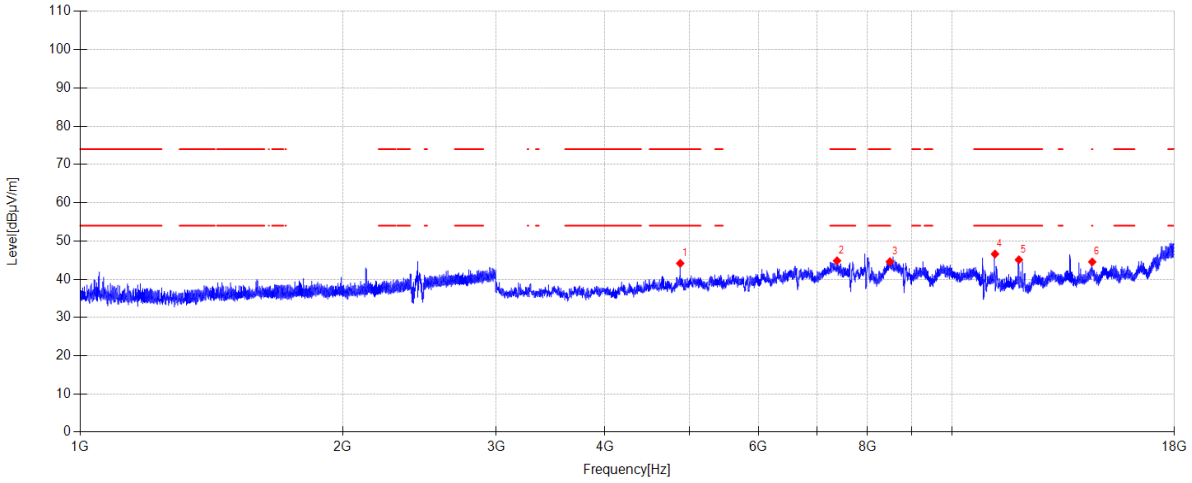


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4803.000	54.02	32.39	-40.10	0.00	46.31	74.00	27.69	PK	Vertical
2	7309.500	45.23	36.25	-36.39	0.00	45.09	74.00	28.91	PK	Vertical
3	8416.500	42.90	37.30	-35.28	0.00	44.92	74.00	29.08	PK	Vertical
4	11202.000	38.10	38.88	-31.75	0.00	45.23	74.00	28.77	PK	Vertical
5	11935.500	37.91	38.81	-31.47	0.00	45.25	74.00	28.75	PK	Vertical
6	14485.500	33.02	39.76	-28.16	0.00	44.62	74.00	29.38	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE1M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\5		
Memo:	Sample number:S26011304-002		



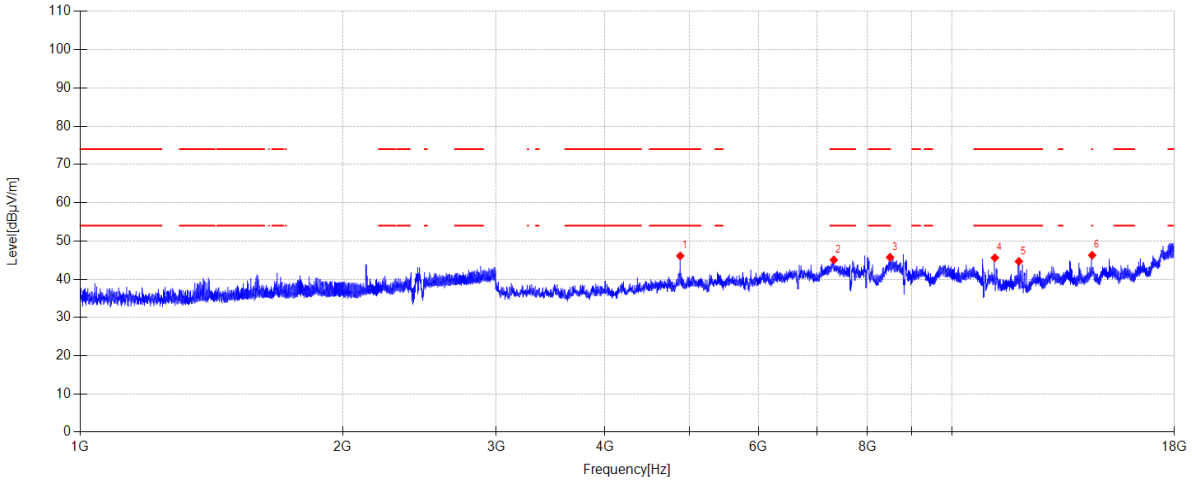
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4879.500	50.96	32.55	-39.37	0.00	44.14	74.00	29.86	PK	Horizontal
2	7383.000	45.42	36.31	-36.91	0.00	44.82	74.00	29.18	PK	Horizontal
3	8488.500	41.49	37.39	-34.29	0.00	44.59	74.00	29.41	PK	Horizontal
4	11205.000	39.48	38.88	-31.78	0.00	46.58	74.00	27.42	PK	Horizontal
5	11935.500	37.75	38.81	-31.47	0.00	45.09	74.00	28.91	PK	Horizontal
6	14487.000	32.92	39.76	-28.16	0.00	44.52	74.00	29.48	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE1M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\6		
Memo:	Sample number:S26011304-002		



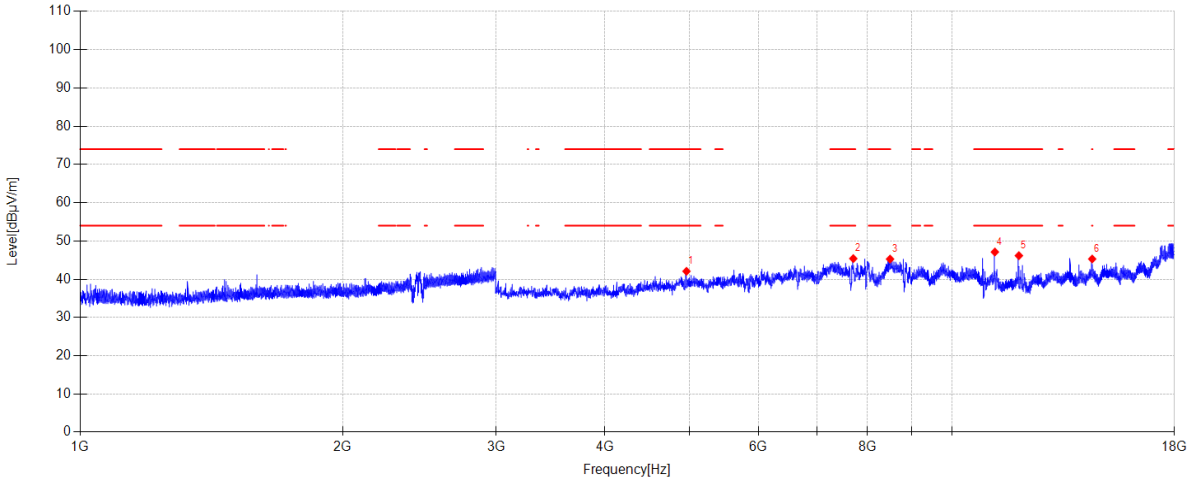
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4879.500	52.91	32.55	-39.37	0.00	46.09	74.00	27.91	PK	Vertical
2	7320.000	45.25	36.26	-36.46	0.00	45.05	74.00	28.95	PK	Vertical
3	8493.000	42.55	37.39	-34.23	0.00	45.71	74.00	28.29	PK	Vertical
4	11202.000	38.48	38.88	-31.75	0.00	45.61	74.00	28.39	PK	Vertical
5	11935.500	37.33	38.81	-31.47	0.00	44.67	74.00	29.33	PK	Vertical
6	14485.500	34.67	39.76	-28.16	0.00	46.27	74.00	27.73	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\7		
Memo:	Sample number:S26011304-002		

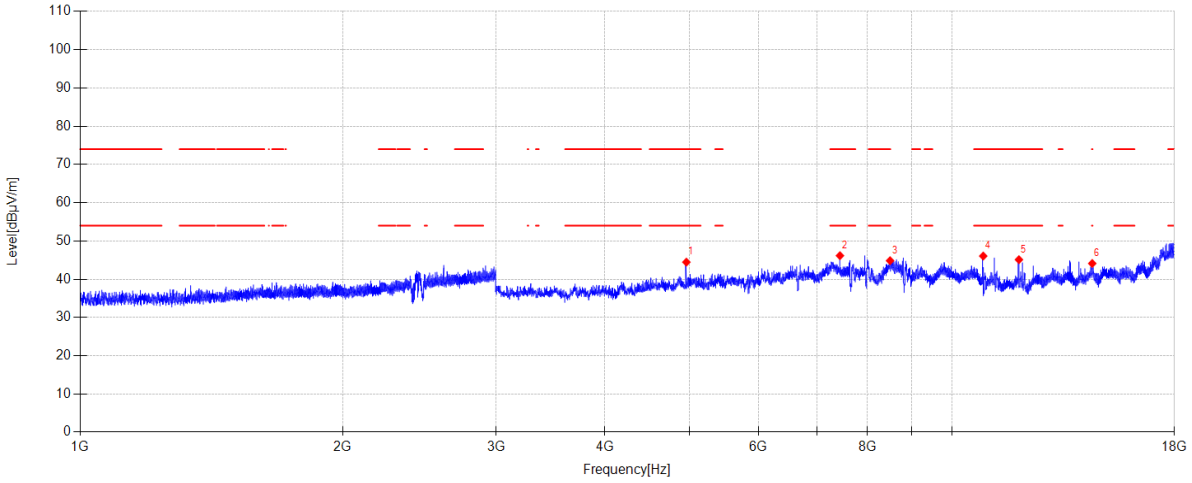


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4960.500	48.57	32.72	-39.21	0.00	42.08	74.00	31.92	PK	Horizontal
2	7707.000	45.56	36.57	-36.73	0.00	45.40	74.00	28.60	PK	Horizontal
3	8493.000	42.11	37.39	-34.23	0.00	45.27	74.00	28.73	PK	Horizontal
4	11202.000	39.99	38.88	-31.75	0.00	47.12	74.00	26.88	PK	Horizontal
5	11935.500	38.82	38.81	-31.47	0.00	46.16	74.00	27.84	PK	Horizontal
6	14485.500	33.69	39.76	-28.16	0.00	45.29	74.00	28.71	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\8		
Memo:	Sample number:S26011304-002		



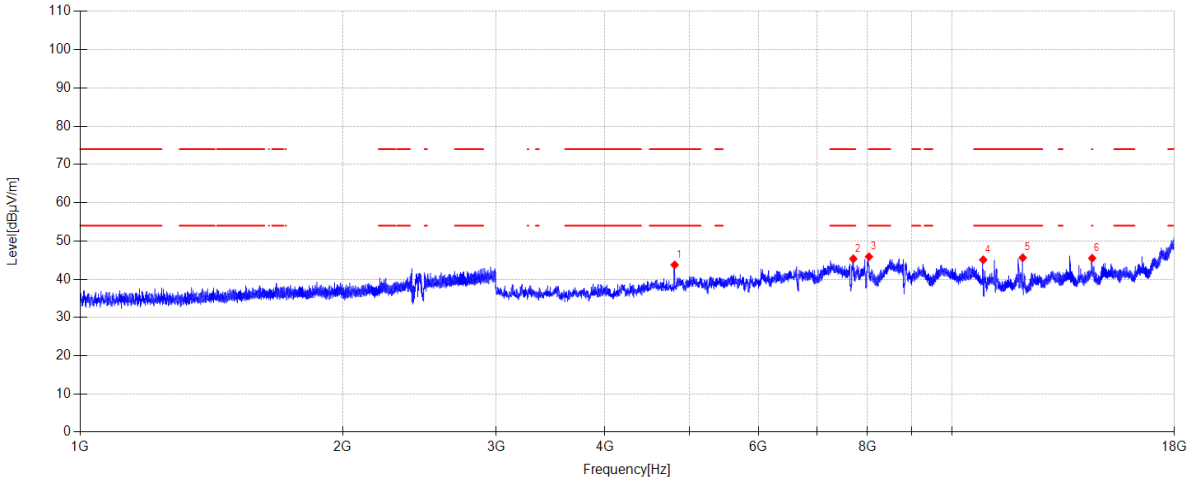
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4959.000	50.97	32.71	-39.21	0.00	44.47	74.00	29.53	PK	Vertical
2	7440.000	47.13	36.35	-37.32	0.00	46.16	74.00	27.84	PK	Vertical
3	8493.000	41.68	37.39	-34.23	0.00	44.84	74.00	29.16	PK	Vertical
4	10861.500	40.94	38.80	-33.68	0.00	46.06	74.00	27.94	PK	Vertical
5	11935.500	37.77	38.81	-31.47	0.00	45.11	74.00	28.89	PK	Vertical
6	14487.000	32.52	39.76	-28.16	0.00	44.12	74.00	29.88	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\13		
Memo:	Sample number:S26011304-002		



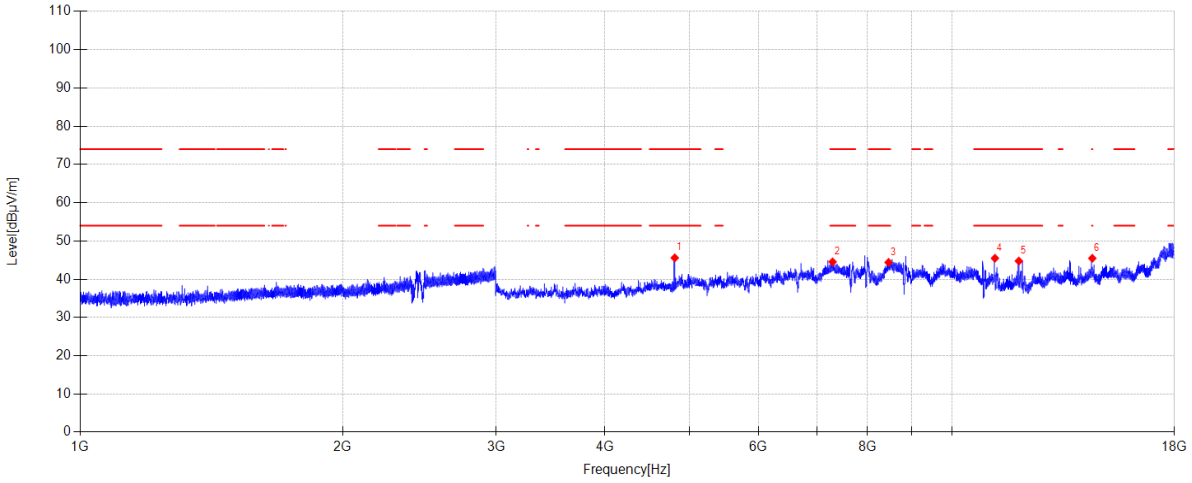
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4807.500	51.41	32.40	-40.06	0.00	43.75	74.00	30.25	PK	Horizontal
2	7707.000	45.50	36.57	-36.73	0.00	45.34	74.00	28.66	PK	Horizontal
3	8032.500	44.54	36.84	-35.48	0.00	45.90	74.00	28.10	PK	Horizontal
4	10861.500	39.97	38.80	-33.68	0.00	45.09	74.00	28.91	PK	Horizontal
5	12057.000	38.79	38.85	-32.02	0.00	45.62	74.00	28.38	PK	Horizontal
6	14485.500	33.89	39.76	-28.16	0.00	45.49	74.00	28.51	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\14		
Memo:	Sample number:S26011304-002		



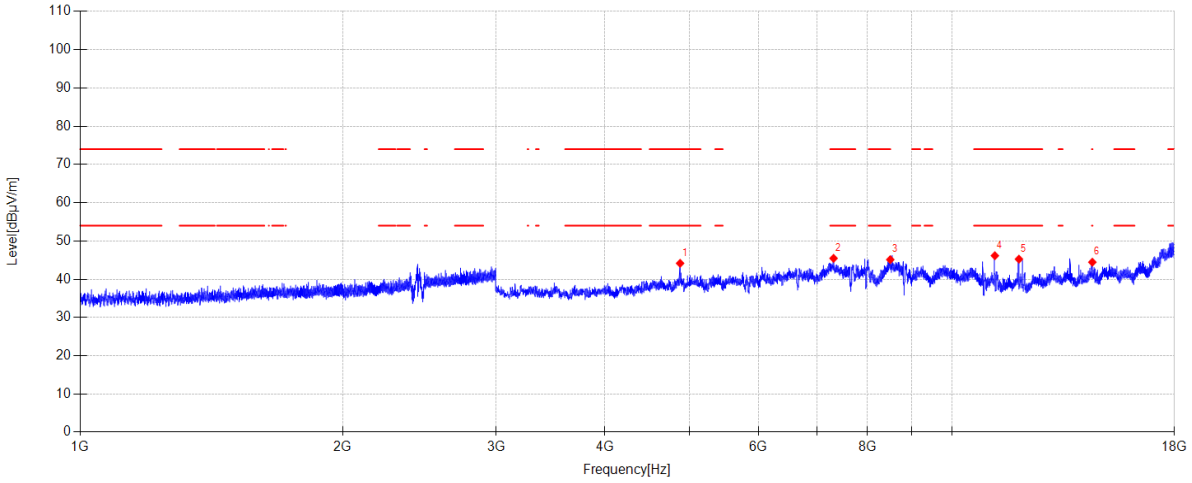
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4809.000	53.23	32.40	-40.04	0.00	45.59	74.00	28.41	PK	Vertical
2	7297.500	44.62	36.24	-36.33	0.00	44.53	74.00	29.47	PK	Vertical
3	8460.000	41.74	37.35	-34.68	0.00	44.41	74.00	29.59	PK	Vertical
4	11203.500	38.36	38.88	-31.76	0.00	45.48	74.00	28.52	PK	Vertical
5	11934.000	37.40	38.81	-31.46	0.00	44.75	74.00	29.25	PK	Vertical
6	14488.500	33.87	39.76	-28.16	0.00	45.47	74.00	28.53	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE2M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\15		
Memo:	Sample number:S26011304-002		



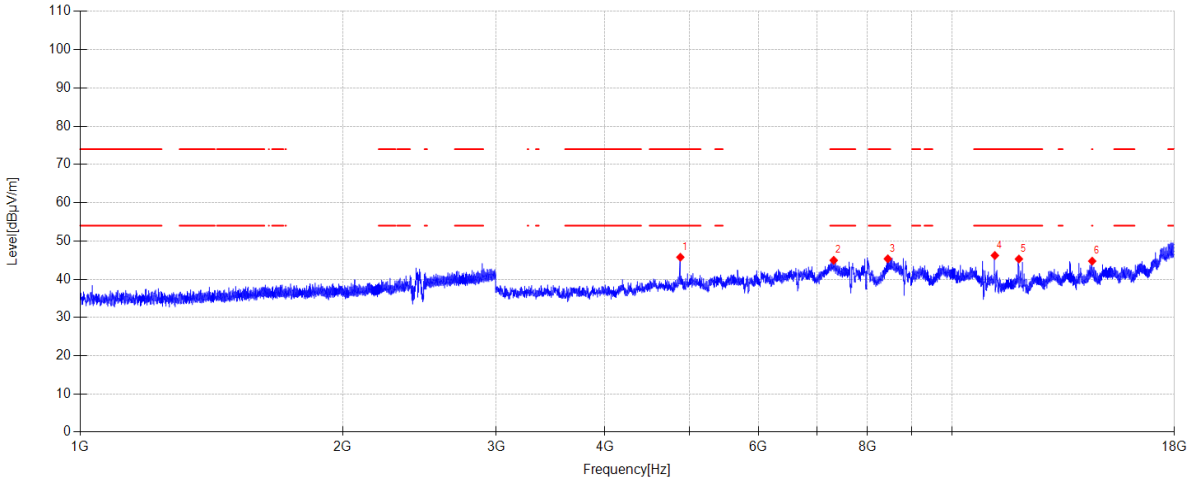
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4878.000	51.01	32.54	-39.39	0.00	44.16	74.00	29.84	PK	Horizontal
2	7315.500	45.64	36.25	-36.43	0.00	45.46	74.00	28.54	PK	Horizontal
3	8497.500	41.88	37.40	-34.16	0.00	45.12	74.00	28.88	PK	Horizontal
4	11202.000	39.02	38.88	-31.75	0.00	46.15	74.00	27.85	PK	Horizontal
5	11935.500	37.91	38.81	-31.47	0.00	45.25	74.00	28.75	PK	Horizontal
6	14491.500	32.85	39.75	-28.15	0.00	44.45	74.00	29.55	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE2M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\16		
Memo:	Sample number:S26011304-002		



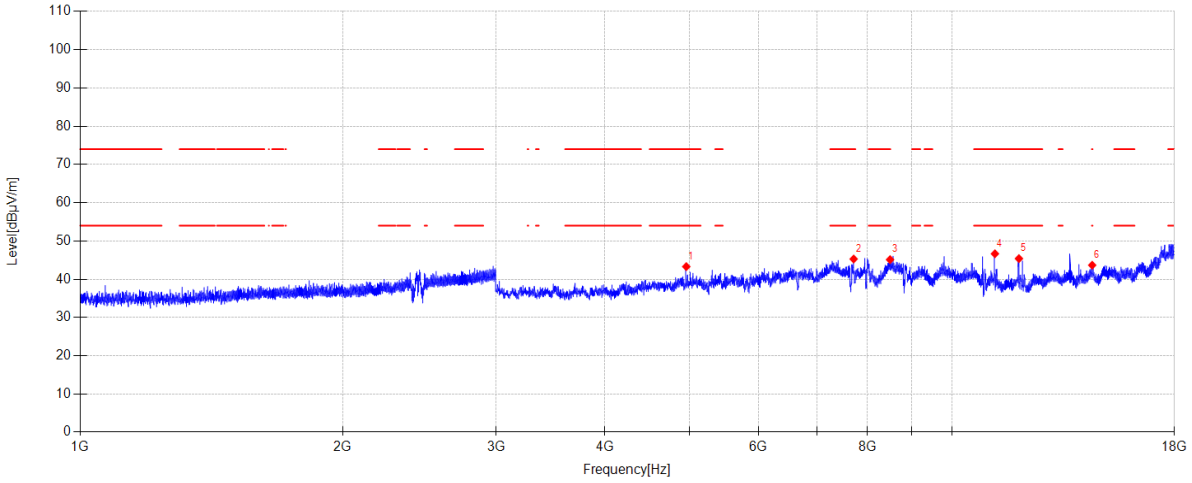
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4881.000	52.57	32.55	-39.36	0.00	45.76	74.00	28.24	PK	Vertical
2	7318.500	45.15	36.25	-36.45	0.00	44.95	74.00	29.05	PK	Vertical
3	8443.500	42.91	37.33	-34.91	0.00	45.33	74.00	28.67	PK	Vertical
4	11202.000	39.08	38.88	-31.75	0.00	46.21	74.00	27.79	PK	Vertical
5	11935.500	37.95	38.81	-31.47	0.00	45.29	74.00	28.71	PK	Vertical
6	14485.500	33.13	39.76	-28.16	0.00	44.73	74.00	29.27	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\17		
Memo:	Sample number:S26011304-002		

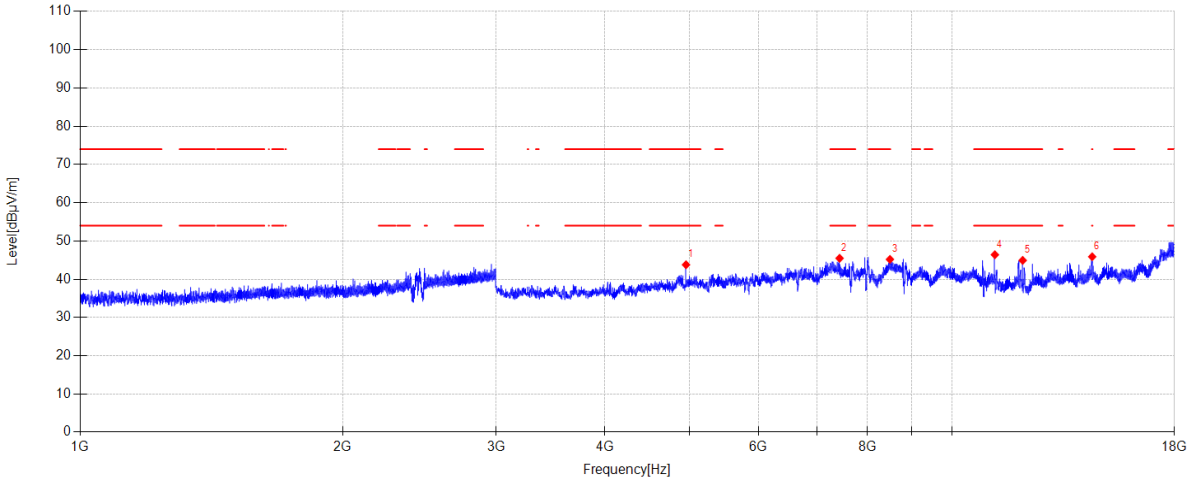


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4957.500	49.79	32.71	-39.21	0.00	43.29	74.00	30.71	PK	Horizontal
2	7714.500	45.41	36.57	-36.69	0.00	45.29	74.00	28.71	PK	Horizontal
3	8493.000	41.97	37.39	-34.23	0.00	45.13	74.00	28.87	PK	Horizontal
4	11203.500	39.54	38.88	-31.76	0.00	46.66	74.00	27.34	PK	Horizontal
5	11935.500	38.05	38.81	-31.47	0.00	45.39	74.00	28.61	PK	Horizontal
6	14485.500	32.07	39.76	-28.16	0.00	43.67	74.00	30.33	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\18		
Memo:	Sample number:S26011304-002		



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4954.500	50.30	32.70	-39.21	0.00	43.79	74.00	30.21	PK	Vertical
2	7432.500	46.38	36.35	-37.26	0.00	45.47	74.00	28.53	PK	Vertical
3	8490.000	42.07	37.39	-34.27	0.00	45.19	74.00	28.81	PK	Vertical
4	11202.000	39.27	38.88	-31.75	0.00	46.40	74.00	27.60	PK	Vertical
5	12055.500	38.09	38.85	-32.01	0.00	44.93	74.00	29.07	PK	Vertical
6	14485.500	34.28	39.76	-28.16	0.00	45.88	74.00	28.12	PK	Vertical

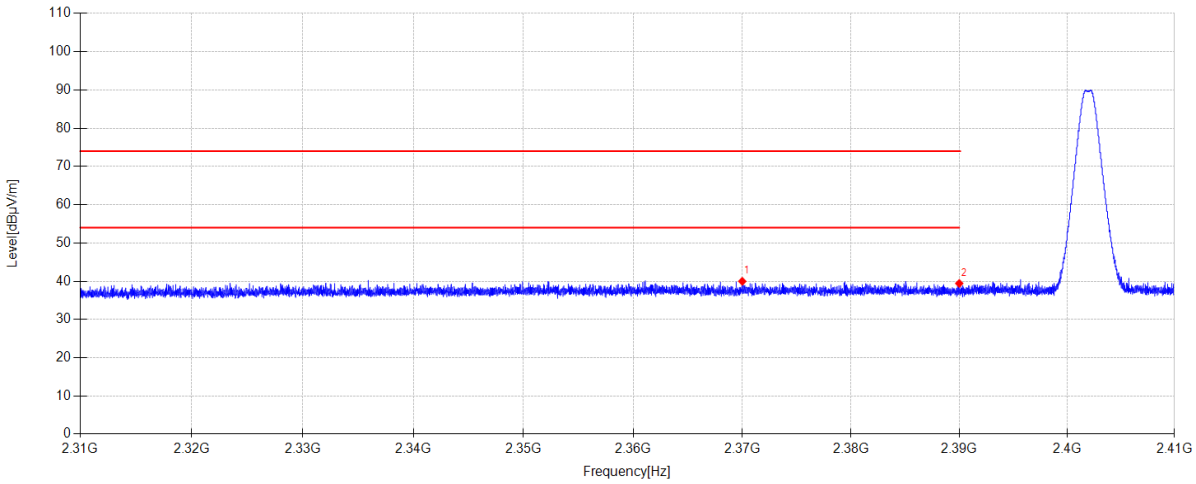
Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

REMARKS:
1. Emission level (dBuV/m) =Raw Value (dBuV)+Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
3. Margin value = Limit value- Emission level.
4. -- Mean the PK detector measured value is below average limit.
5. RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peak detector is for AV value.

Results of Band Edges Test (Radiated)

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\1		
Memo:	Sample number:S26011304-002		

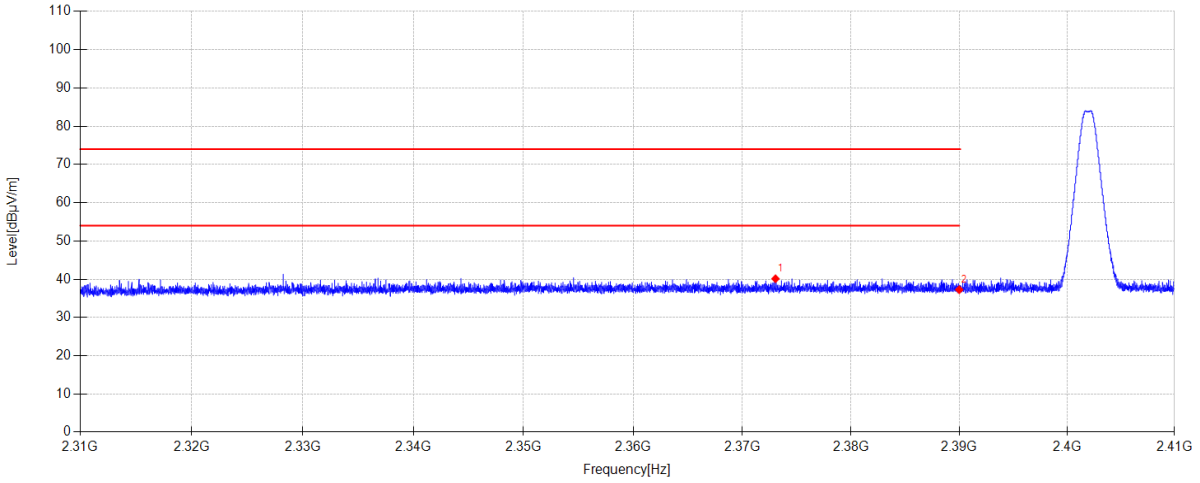


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2370.000	40.54	27.37	-27.93	0.00	39.98	74.00	34.02	PK	Horizontal
2	2390.000	39.79	27.43	-27.80	0.00	39.42	74.00	34.58	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\2		
Memo:	Sample number:S26011304-002		



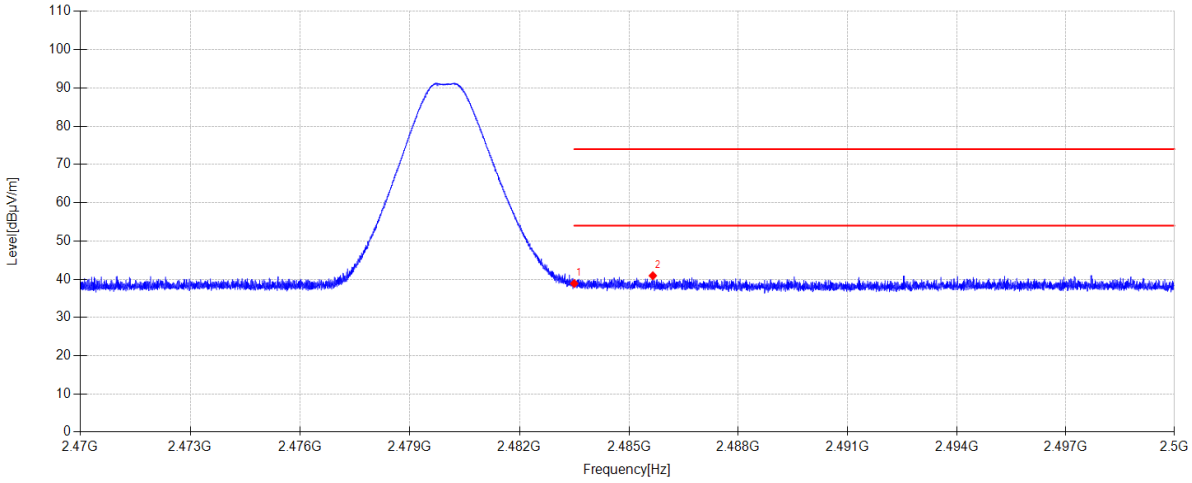
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2373.050	40.65	27.38	-27.91	0.00	40.12	74.00	33.88	PK	Vertical
2	2390.000	37.63	27.43	-27.80	0.00	37.26	74.00	36.74	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\9		
Memo:	Sample number:S26011304-002		



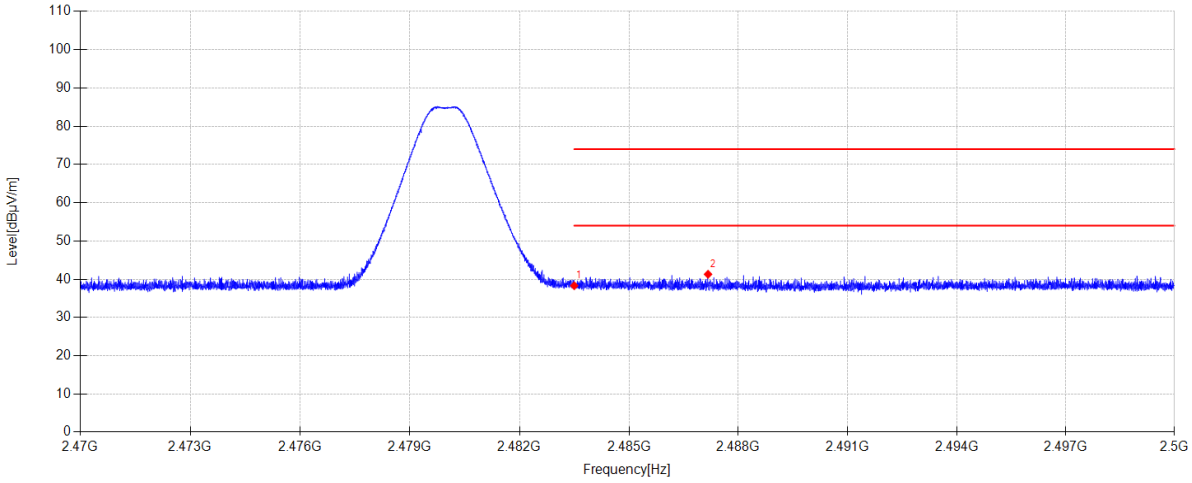
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	38.84	27.70	-27.66	0.00	38.88	74.00	35.12	PK	Horizontal
2	2485.654	40.86	27.71	-27.65	0.00	40.92	74.00	33.08	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\10		
Memo:	Sample number:S26011304-002		

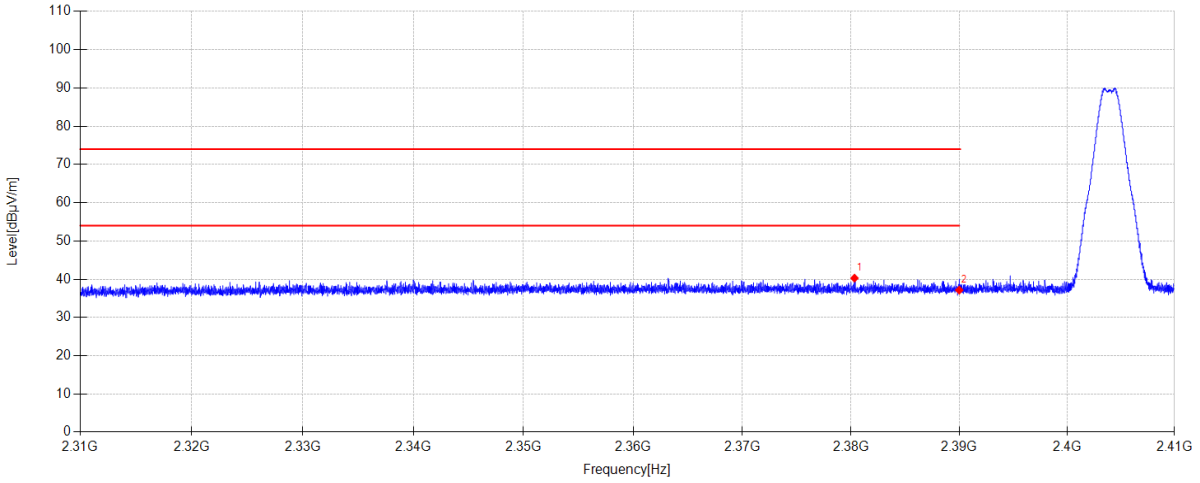


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	38.27	27.70	-27.66	0.00	38.31	74.00	35.69	PK	Vertical
2	2487.169	41.24	27.71	-27.65	0.00	41.30	74.00	32.70	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\11		
Memo:	Sample number:S26011304-002		



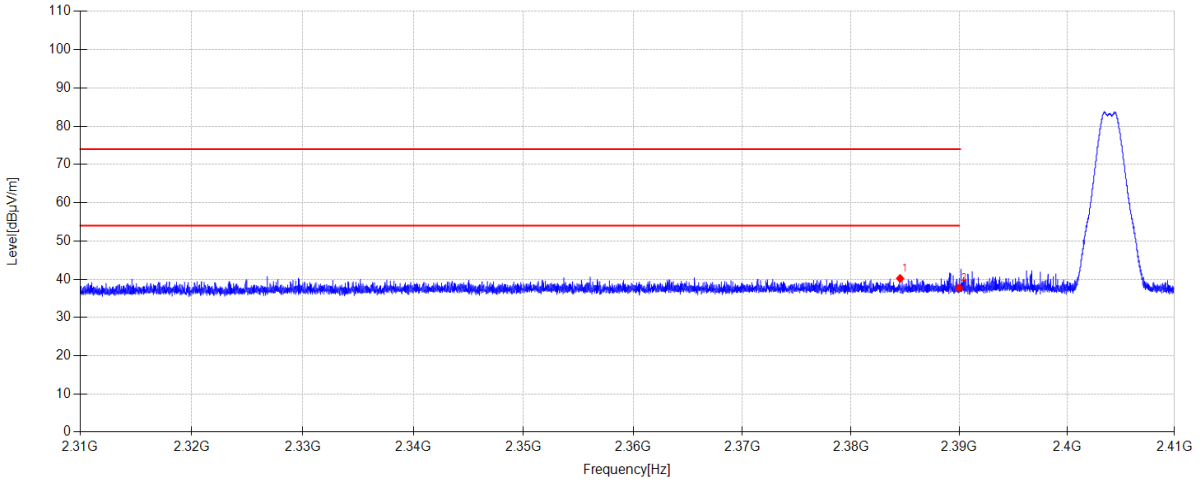
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2380.320	40.74	27.40	-27.86	0.00	40.28	74.00	33.72	PK	Horizontal
2	2390.000	37.52	27.43	-27.80	0.00	37.15	74.00	36.85	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\12		
Memo:	Sample number:S26011304-002		



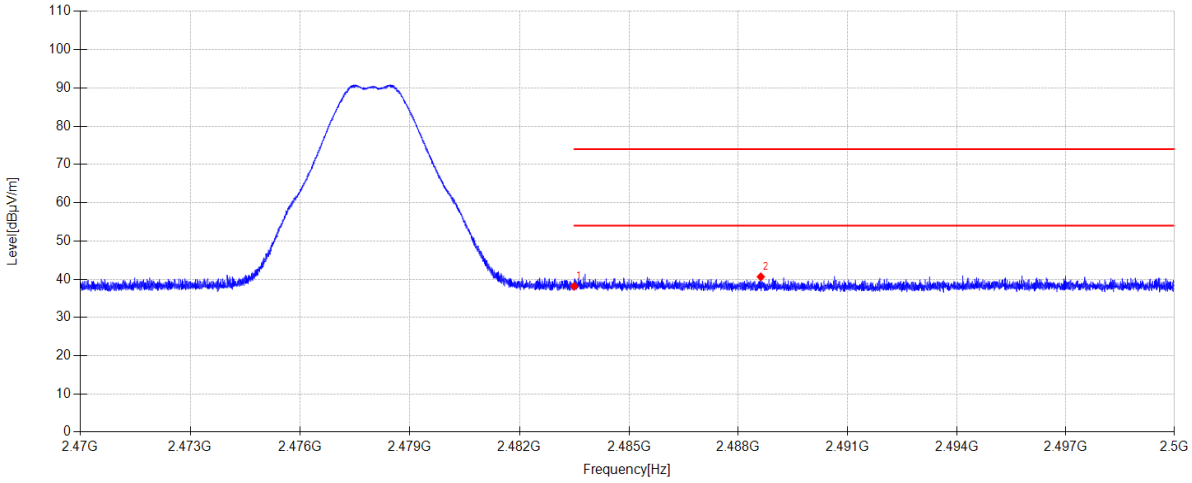
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2384.530	40.62	27.42	-27.84	0.00	40.20	74.00	33.80	PK	Vertical
2	2390.000	38.08	27.43	-27.80	0.00	37.71	74.00	36.29	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\19		
Memo:	Sample number:S26011304-002		



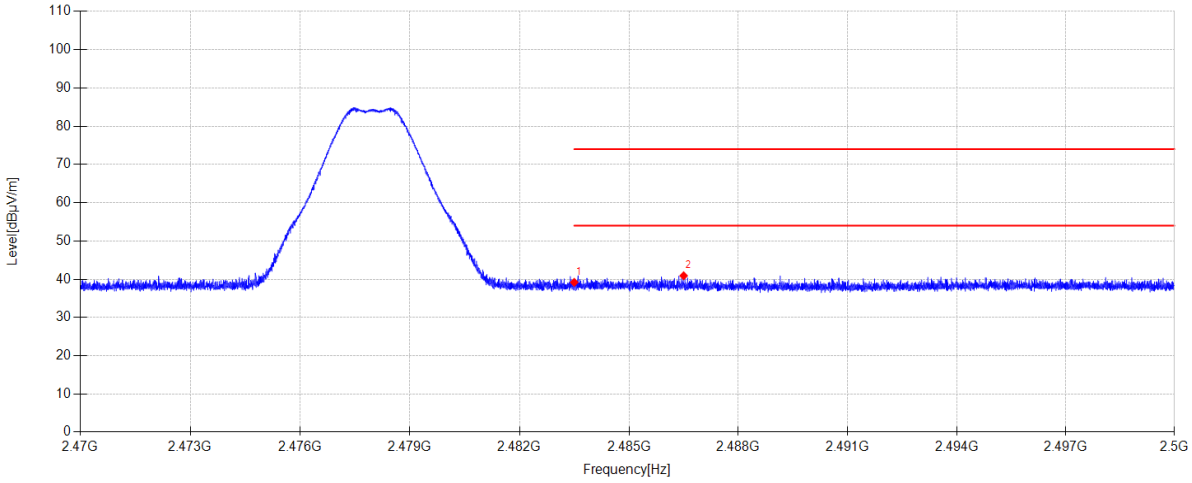
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	38.10	27.70	-27.66	0.00	38.14	74.00	35.86	PK	Horizontal
2	2488.618	40.57	27.72	-27.65	0.00	40.64	74.00	33.36	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-01-22	**Tested By**:	Nan Zhong
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	Battery
Condition:	Temp:20.5°C;Humi:46.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 test date\Q26011304-1E\FCC ABOVE 1G BLE\20		
Memo:	Sample number:S26011304-002		



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	2483.500	39.15	27.70	-27.66	0.00	39.19	74.00	34.81	PK	Vertical
2	2486.500	40.84	27.71	-27.65	0.00	40.90	74.00	33.10	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

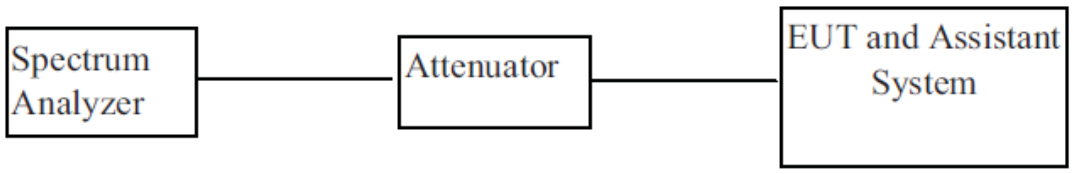
REMARKS:
1. Emission level (dBuV/m) =Raw Value (dBuV)+Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
3. Margin value = Limit value- Emission level.
4.-- Mean the PK detector measured value is below average limit.
5. RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peak detector is for AV value.
6. For fundamental frequency, RBW 3MHz VBW 3MHz Peak detector is for PK Value; RMS detector is for AV value.
7. Other emissions are attenuated 20dB below the limits from 9kHz to 30MHz, so it does not recorded in report.

4. Output Power

4.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	SIGNAL GENERATOR	Agilent	N5182A	MY5014563	2025-05-08	1 Year
2	WIDEBAND RADIO	R&S	CMW500	147521	2025-05-08	1 Year
3	POWER SENSOR	Agilent	U2021XA	MY55060007	2025-05-08	1 Year
4	Signal &Spectrum Analyzer	R&S	FSV3044	101173	2025/03/29	1 Year

4.2. BLOCK DIAGRAM OF TEST SETUP



4.3. Limit

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt (30dBm).

4.4. Test Procedure

For output power test:

1. Connect EUT RF output port to power sensor through an RF attenuator.
2. Connect the power sensor to the PC.
3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
4. Record the maximum power from the software.

Note：The EUT was tested according to KDB 558074v03r04 for compliance to FCC 47CFR 15.247 requirements.

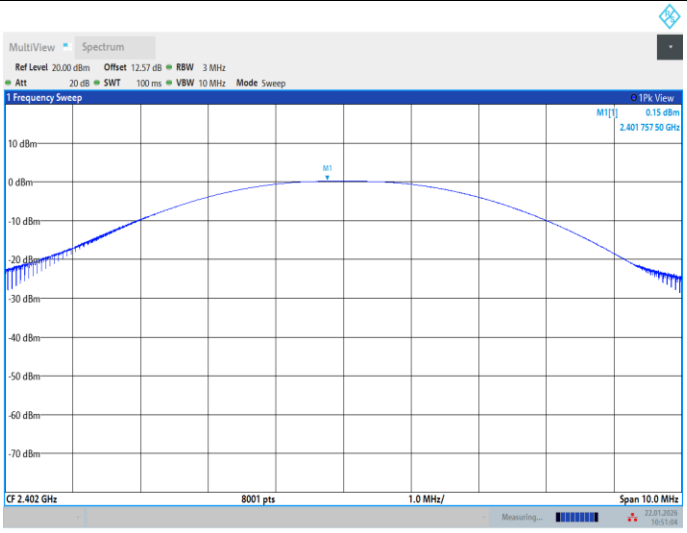
4.5. Test result

Ambient Condition:	21.9-25.4℃,39.8-43.2%RH	Test Date:	2026.01.21-2026.01.22
Test Power Supply:	Battery	Sample Number:	S26011304-001

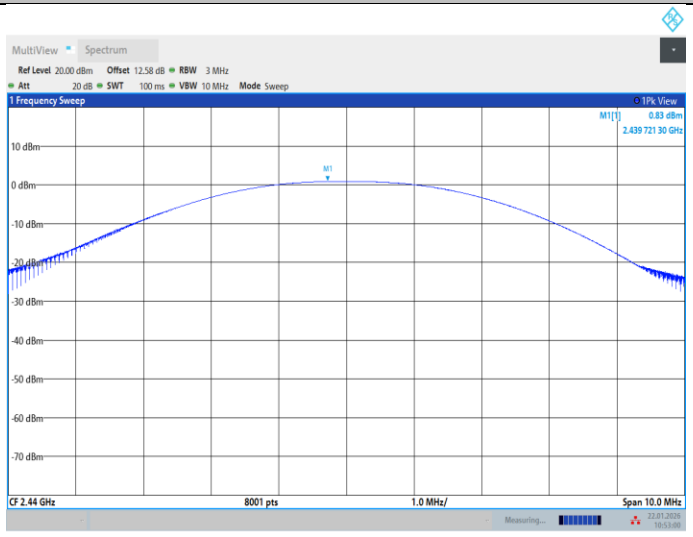
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.15	≤30	0.29	≤36	PASS
		2440	0.83	≤30	0.97	≤36	PASS
		2480	0.91	≤30	1.05	≤36	PASS
BLE_2M	Ant1	2404	0.17	≤30	0.31	≤36	PASS
		2440	0.88	≤30	1.02	≤36	PASS
		2478	0.82	≤30	0.96	≤36	PASS

4.6. Test graphs

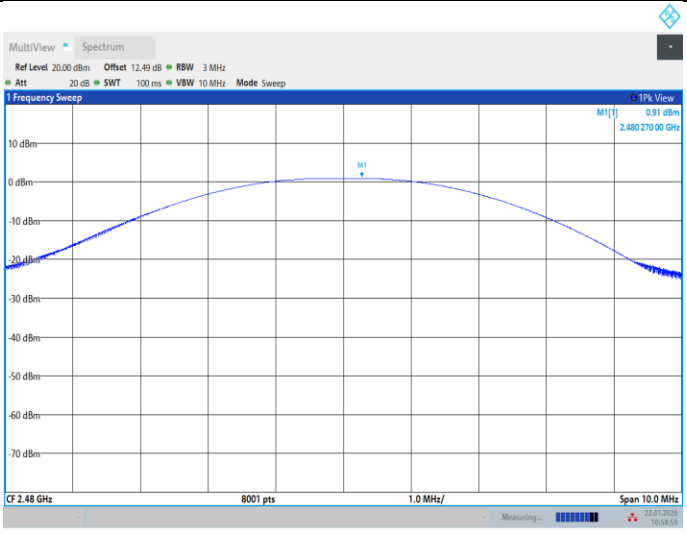
BLE_1M_Ant1_2402



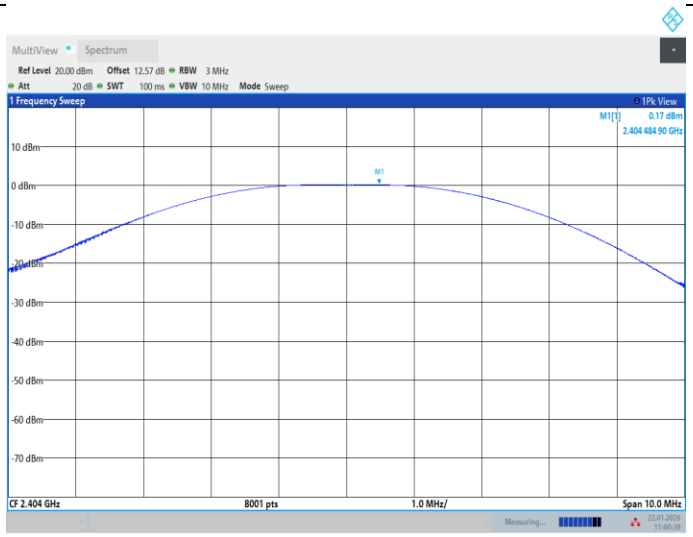
BLE_1M_Ant1_2440



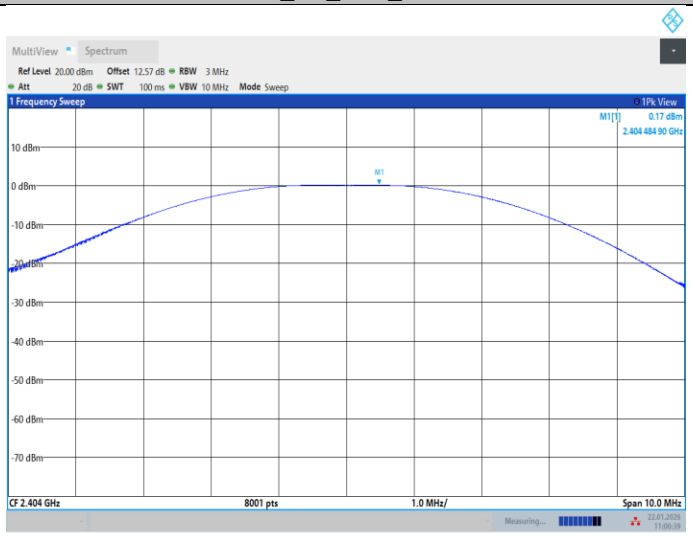
BLE_1M_Ant1_2480



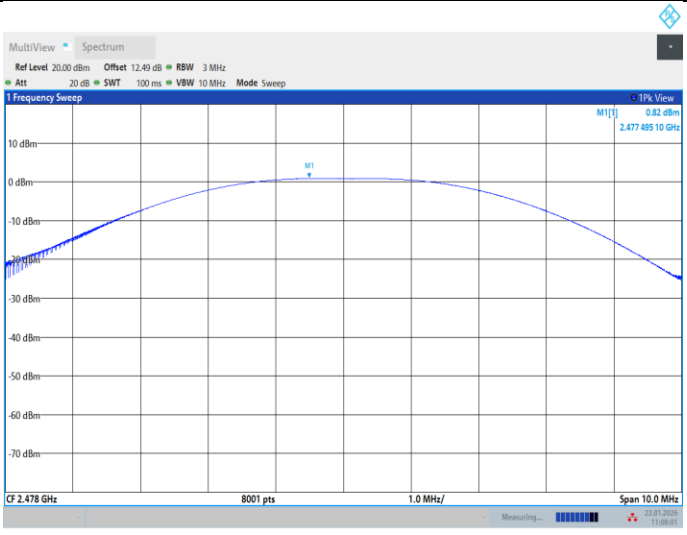
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



BLE_2M_Ant1_2478

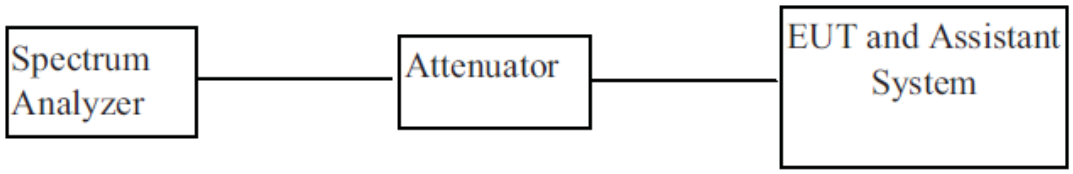


5. -6dB Bandwidth

5.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	SIGNAL GENERATOR	Agilent	N5182A	MY5014563	2025-05-08	1 Year
2	WIDEBAND RADIO	R&S	CMW500	147521	2025-05-08	1 Year
3	POWER SENSOR	Agilent	U2021XA	MY55060007	2025-05-08	1 Year
4	Signal &Spectrum Analyzer	R&S	FSV3044	101173	2025/03/29	1 Year

5.2. BLOCK DIAGRAM OF TEST SETUP



5.3. Limit

Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

5.4. Test Procedure

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW≥3×RBW.
4. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

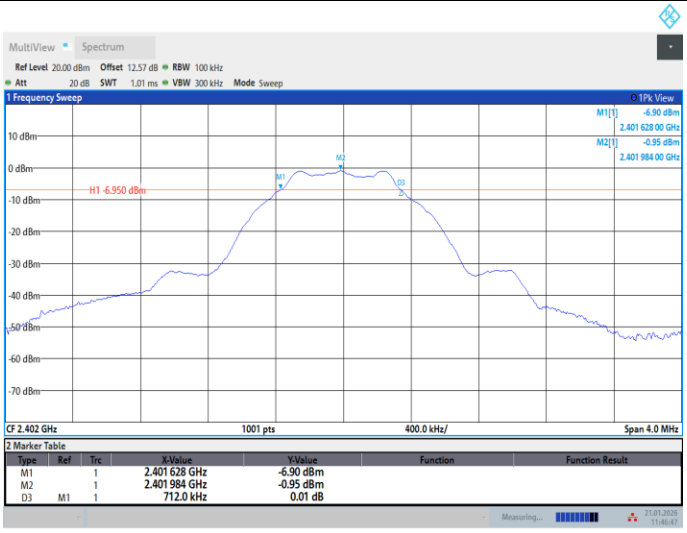
5.5. Test result

Ambient Condition:	21.9-25.4℃,39.8-43.2%RH	Test Date:	2026.01.21-2026.01.22
Test Power Supply:	Battery	Sample Number:	S26011304-001

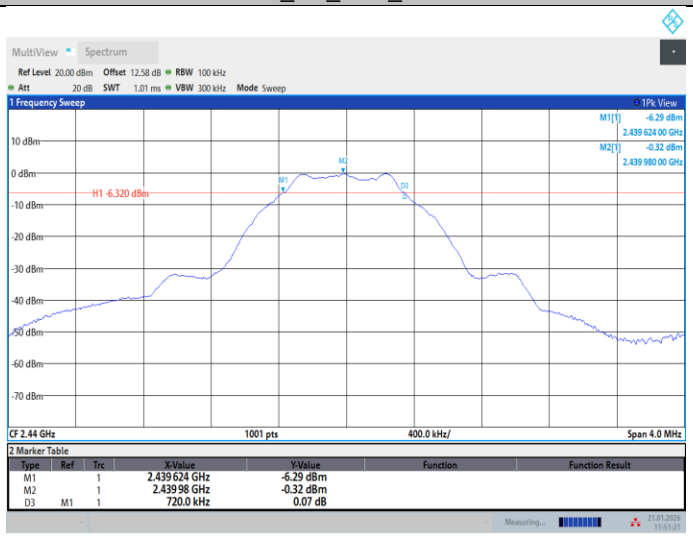
Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.71	2401.63	2402.34	0.5	PASS
		2440	0.72	2439.62	2440.34	0.5	PASS
		2480	0.72	2479.62	2480.34	0.5	PASS
BLE_2M	Ant1	2404	1.25	2403.33	2404.59	0.5	PASS
		2440	1.25	2439.33	2440.58	0.5	PASS
		2478	1.26	2477.33	2478.59	0.5	PASS

5.6. Test graphs

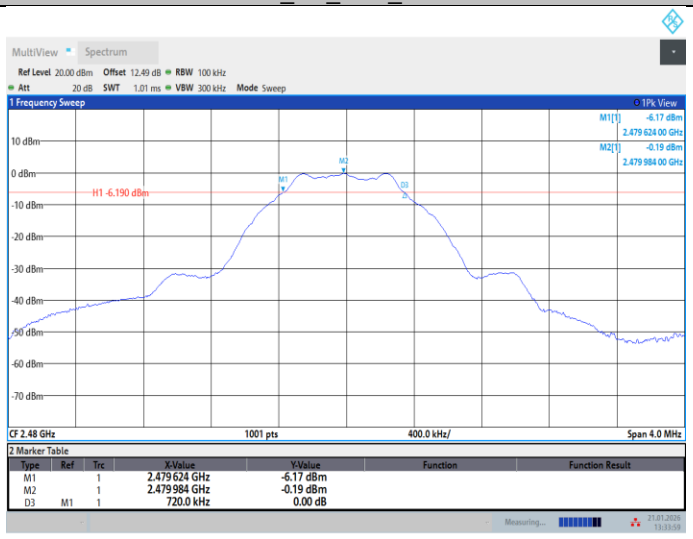
BLE_1M_Ant1_2402



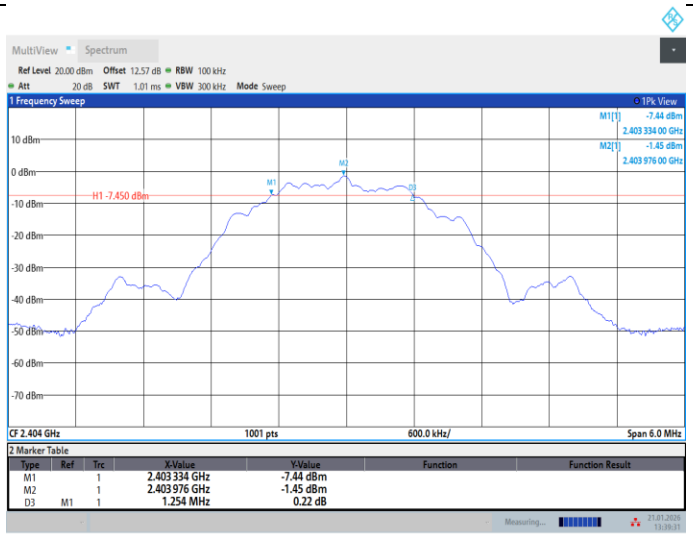
BLE_1M_Ant1_2440



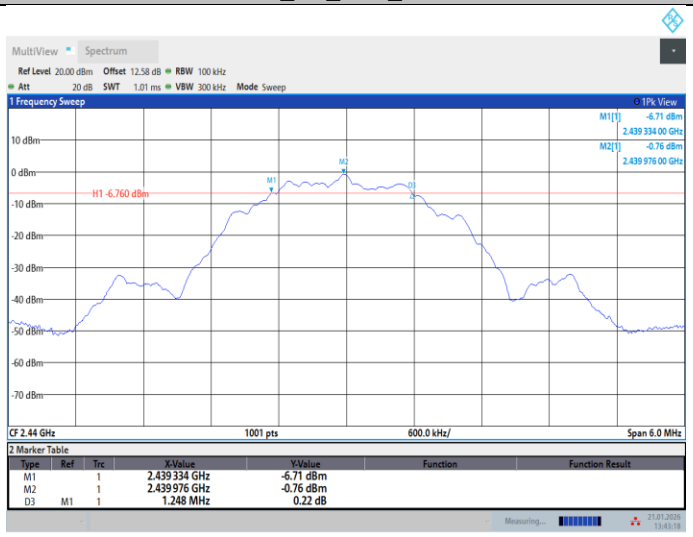
BLE_1M_Ant1_2480



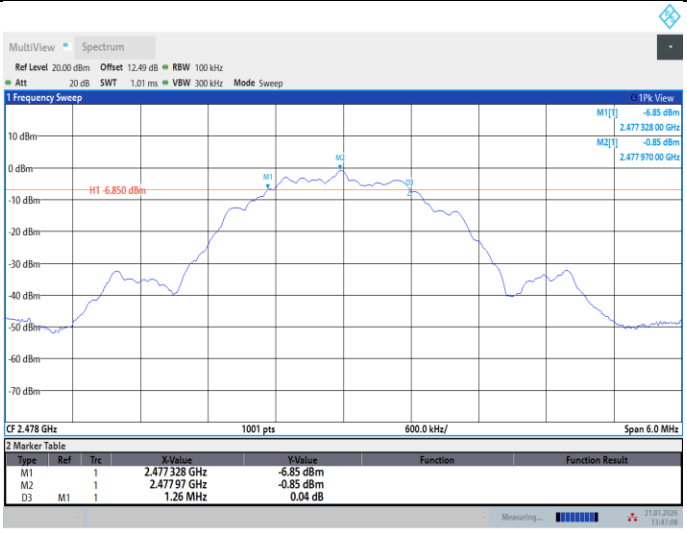
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



BLE_2M_Ant1_2478

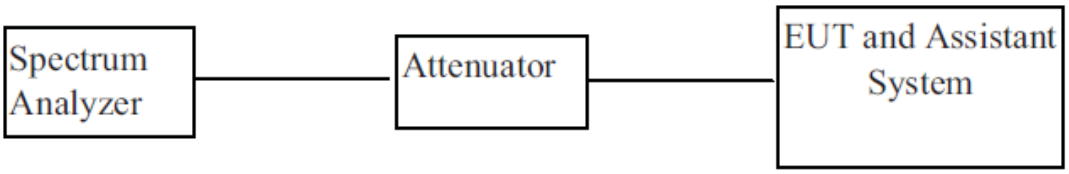


6. Band Edges Measurement

6.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	SIGNAL GENERATOR	Agilent	N5182A	MY5014563	2025-05-08	1 Year
2	WIDEBAND RADIO	R&S	CMW500	147521	2025-05-08	1 Year
3	POWER SENSOR	Agilent	U2021XA	MY55060007	2025-05-08	1 Year
4	Signal &Spectrum Analyzer	R&S	FSV3044	101173	2025/03/29	1 Year

6.2. BLOCK DIAGRAM OF TEST SETUP



6.3. Limit

Below –30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

6.4. Test Procedure

The transmitter output was connected to the spectrum analyzer via a low lose cable.

Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.

Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 30dB relative to the maximum measured in-band peak PSD level.

The band edges was measured and recorded.

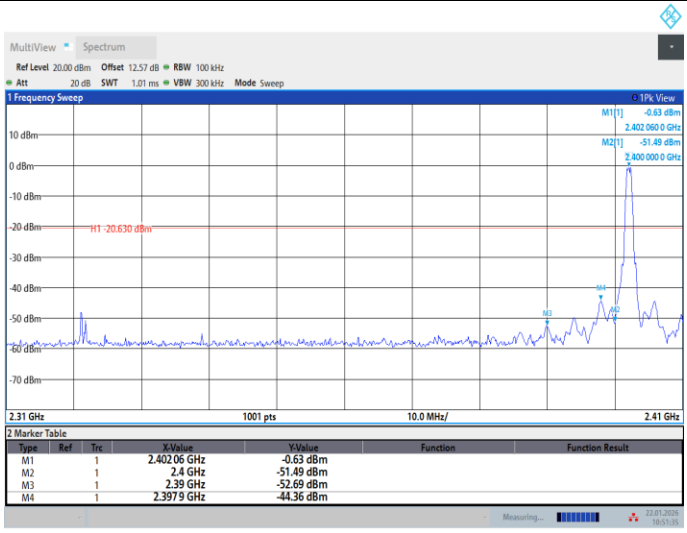
6.5. Test result

Ambient Condition:	21.9-25.4℃,39.8-43.2%RH	Test Date:	2026.01.21-2026.01.22
Test Power Supply:	Battery	Sample Number:	S26011304-001

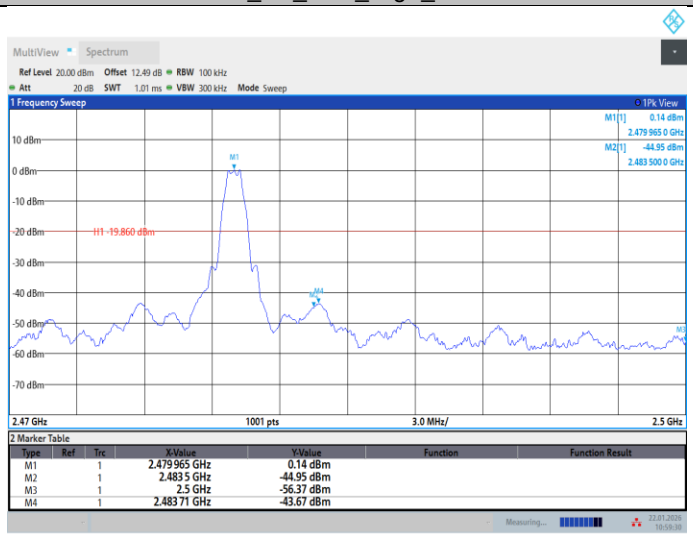
Mode	Frequency [MHz]	Measured Range	Verdict
GFSK 1M	2402	2.310 GHz - 2.410 GHz	Pass
	2480	2.470 GHz - 2.500 GHz	Pass
GFSK 2M	2404	2.310 GHz - 2.410 GHz	Pass
	2478	2.470 GHz - 2.500 GHz	Pass

6.6. Test graphs

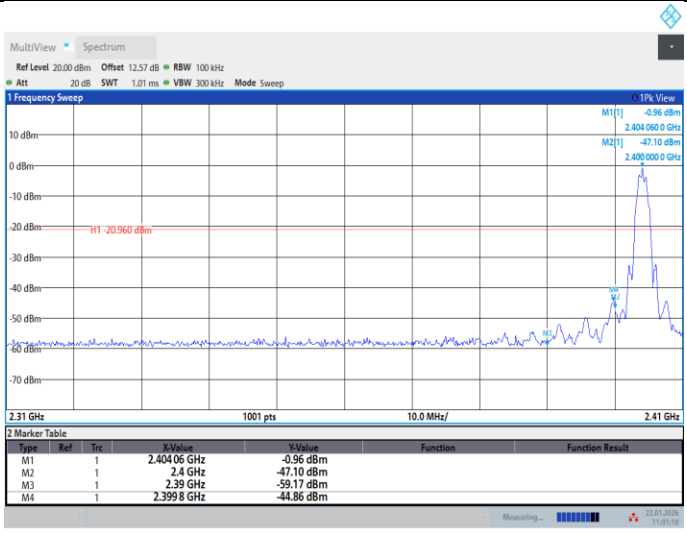
BLE_1M_Ant1_Low_2402



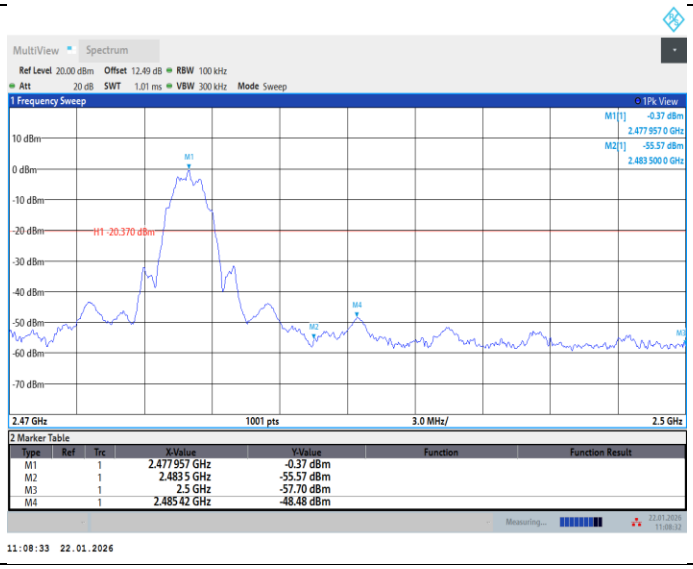
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2404



BLE_2M_Ant1_High_2478

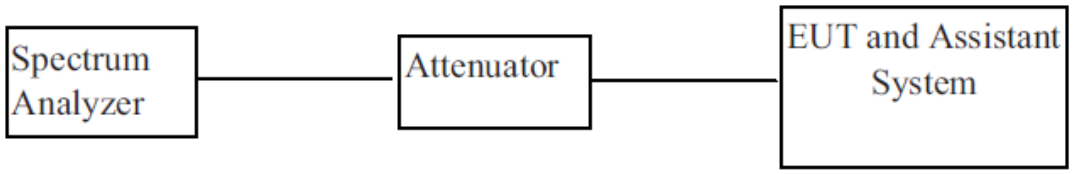

MultiView
Spectrum
Ref Level 20.00 dBm Offset 12.49 dB RBW 100 kHz
Att 20 dB SWT 1.01 ms VBW 300 kHz Mode Sweep
1 Frequency Sweep
1Pk View
M1[1] -0.37 dBm
2.477 957 0 GHz
M2[1] -55.57 dBm
2.483 500 0 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
H1 -20.370 dBm
M1
M2
M4
M3
2.47 GHz
1001 pts
3.0 MHz/
2.5 GHz
2 Marker Table
Type Ref Trc X-Value Y-Value Function Function Result
M1 1 2.477 957 GHz -0.37 dBm
M2 1 2.483 5 GHz -55.57 dBm
M3 1 2.5 GHz -57.70 dBm
M4 1 2.485 42 GHz -48.48 dBm
Measuring...
11:08:33 22.01.2026

7. Conducted Spurious Emission

7.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	SIGNAL GENERATOR	Agilent	N5182A	MY5014563	2025-05-08	1 Year
2	WIDEBAND RADIO	R&S	CMW500	147521	2025-05-08	1 Year
3	POWER SENSOR	Agilent	U2021XA	MY55060007	2025-05-08	1 Year
4	Signal &Spectrum Analyzer	R&S	FSV3044	101173	2025/03/29	1 Year

7.2. BLOCK DIAGRAM OF TEST SETUP



7.3. 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 produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest level of the desired power.

In addition, radiation 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)

7.4. Test Procedure

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator

2, Set the EUT Work on the top, the middle and the bottom operation frequency individually.

3. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements. Owing to satisfy the requirements of the number of measurement points, we set the RBW=1MHz, VBW > RBW, scan up through 10th harmonic, and consider the tested results as the worst case, if the tested results conform to the requirement, we can deem that the real tested results(set the RBW=100KHz, VBW > RBW) are conform to the requirement.

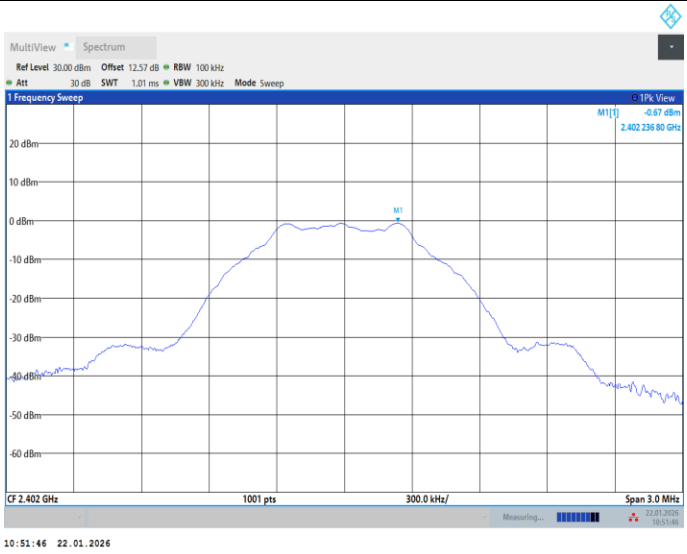
7.5. Test result

Ambient Condition:	21.9-25.4℃,39.8-43.2%RH	Test Date:	2026.01.21-2026.01.22
Test Power Supply:	Battery	Sample Number:	S26011304-001

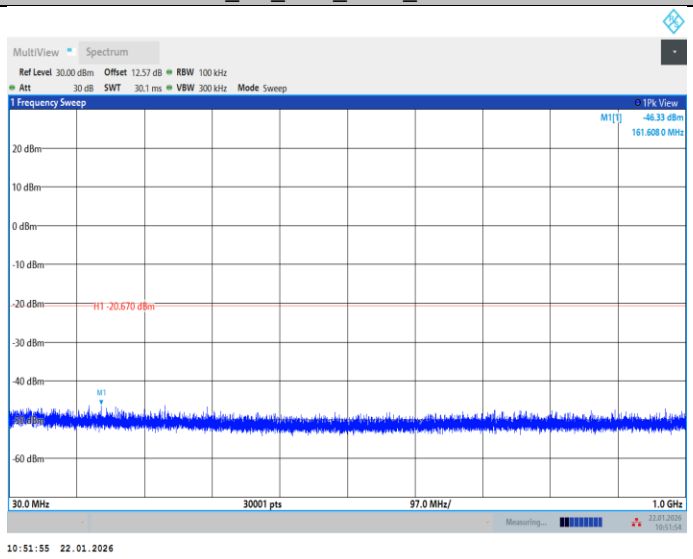
Mode	Frequency [MHz]	Verdict
GFSK 1M	2402	Pass
	2440	Pass
	2480	Pass
GFSK 2M	2404	Pass
	2440	Pass
	2478	Pass

7.6. Test graphs

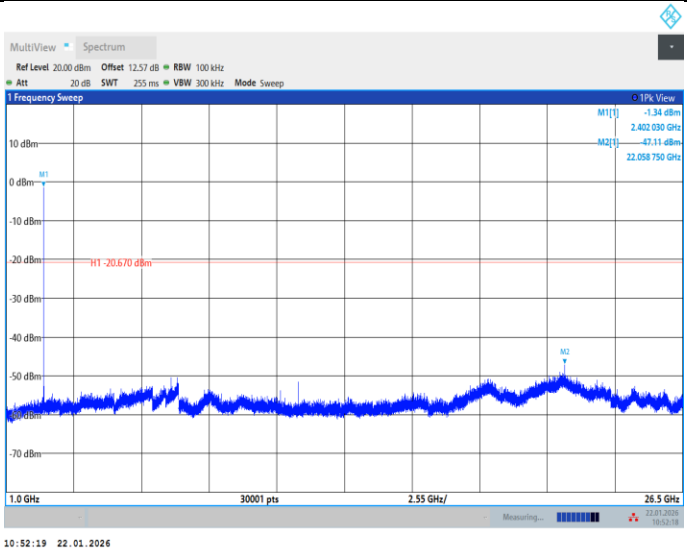
BLE_1M_Ant1_2402_0~Reference



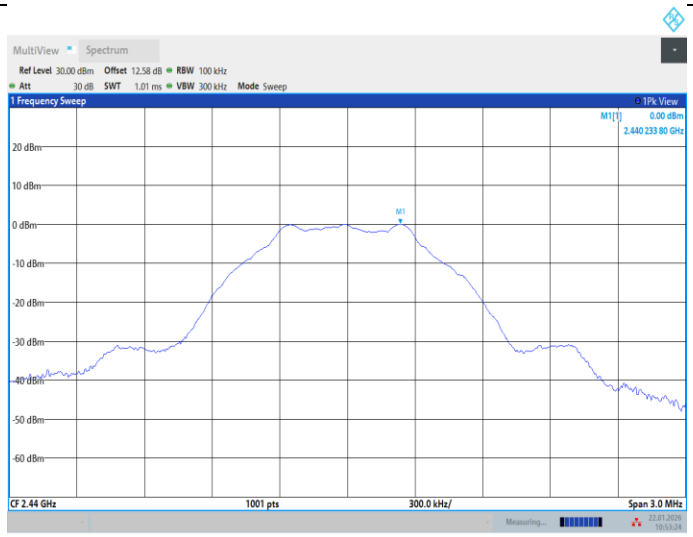
BLE_1M_Ant1_2402_30~1000



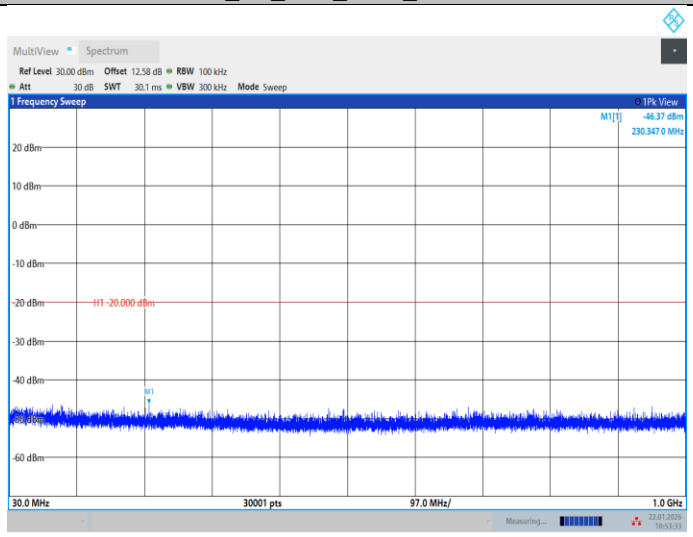
BLE_1M_Ant1_2402_1000~26500



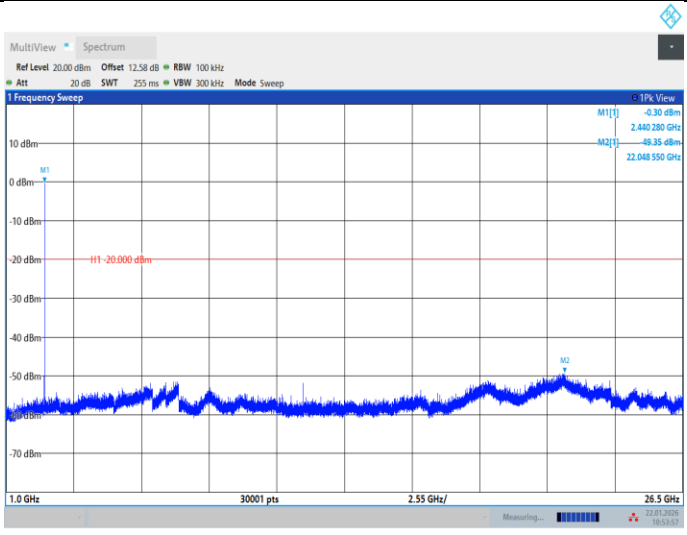
BLE_1M_Ant1_2440_0~Reference



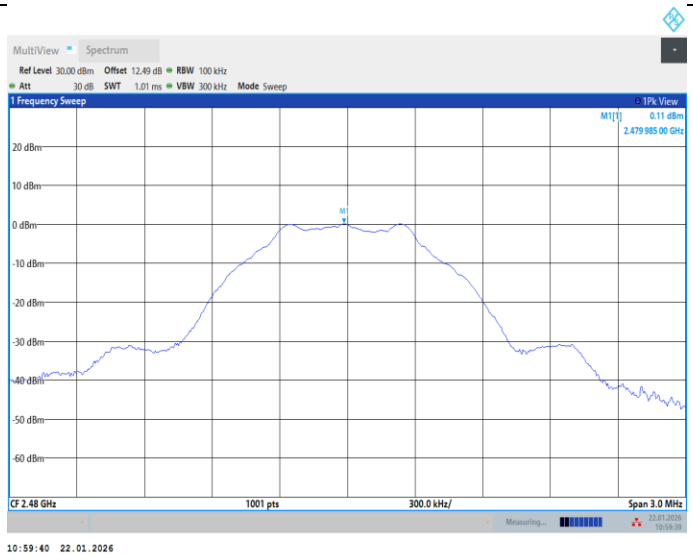
BLE_1M_Ant1_2440_30~1000



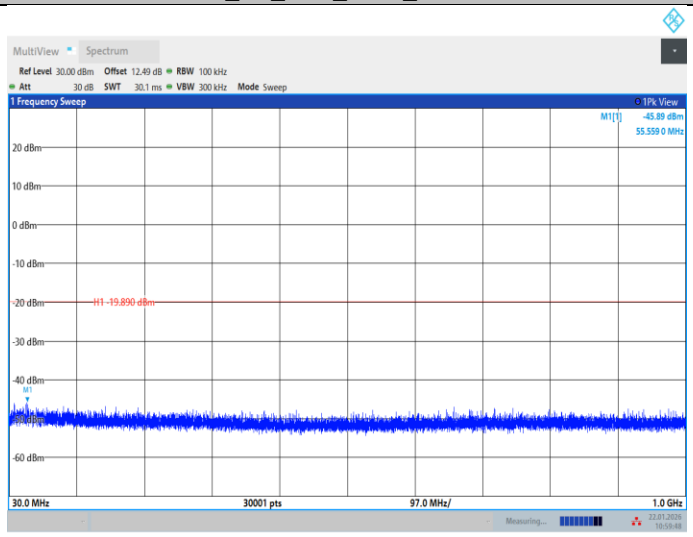
BLE_1M_Ant1_2440_1000~26500



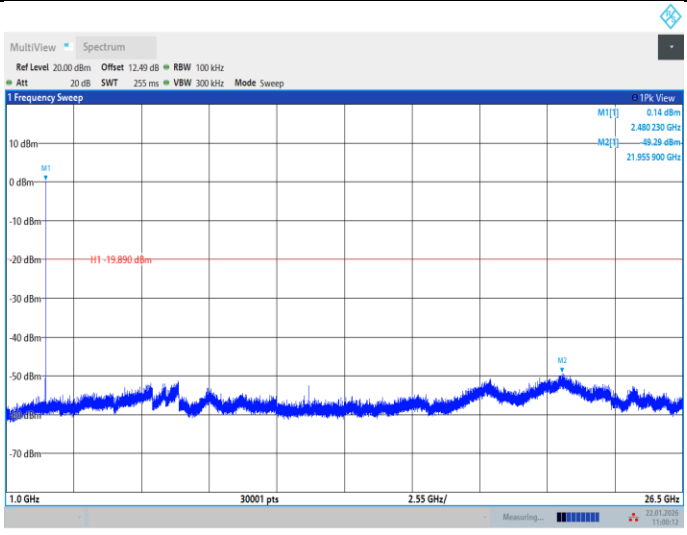
BLE_1M_Ant1_2480_0~Reference



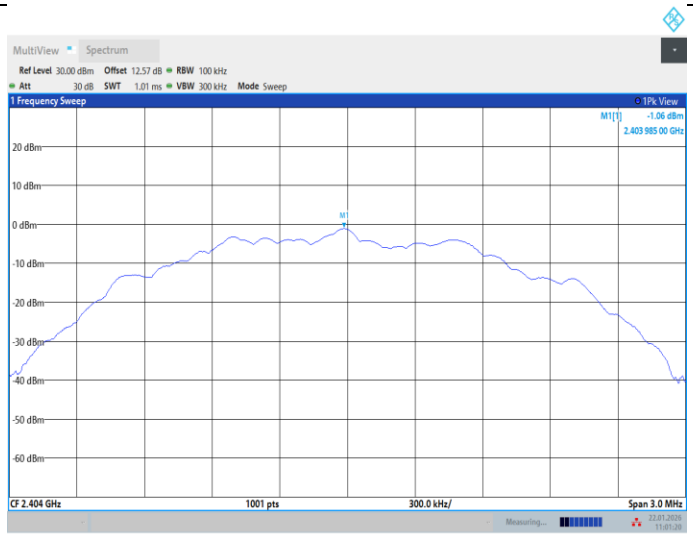
BLE_1M_Ant1_2480_30~1000



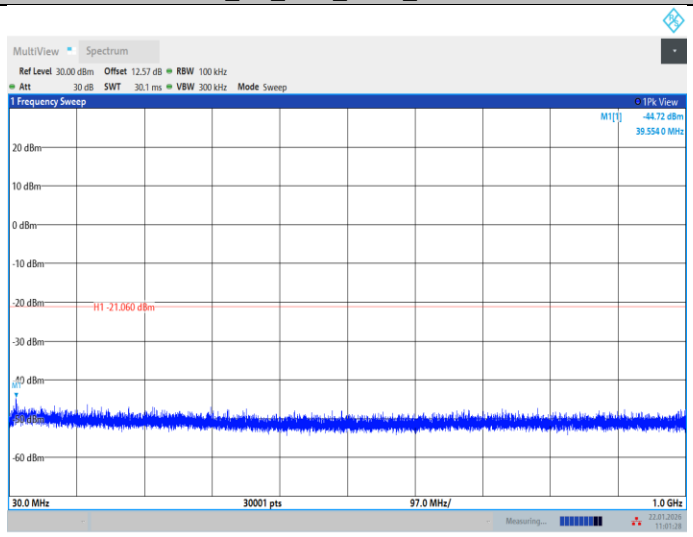
BLE_1M_Ant1_2480_1000~26500



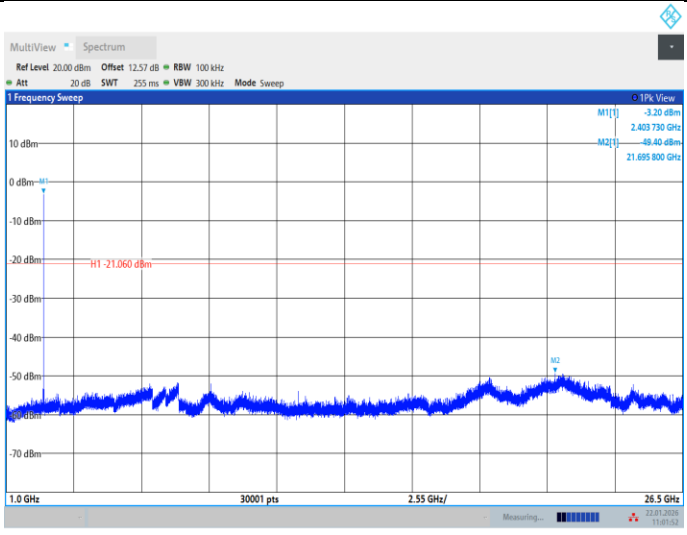
BLE_2M_Ant1_2404_0~Reference



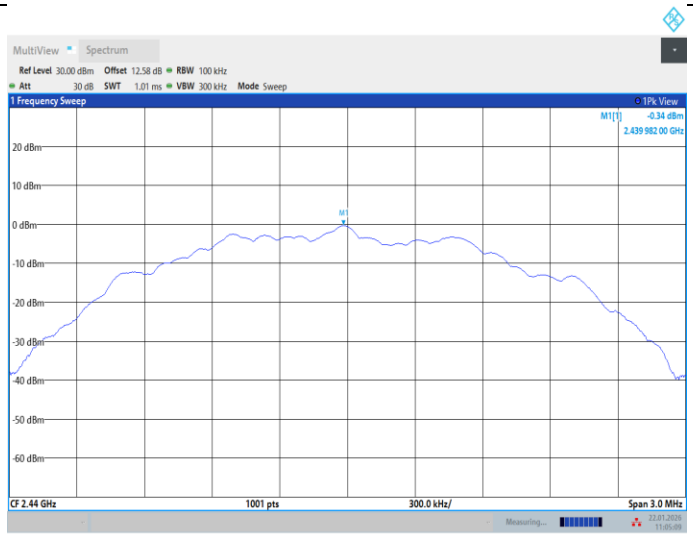
BLE_2M_Ant1_2404_30~1000



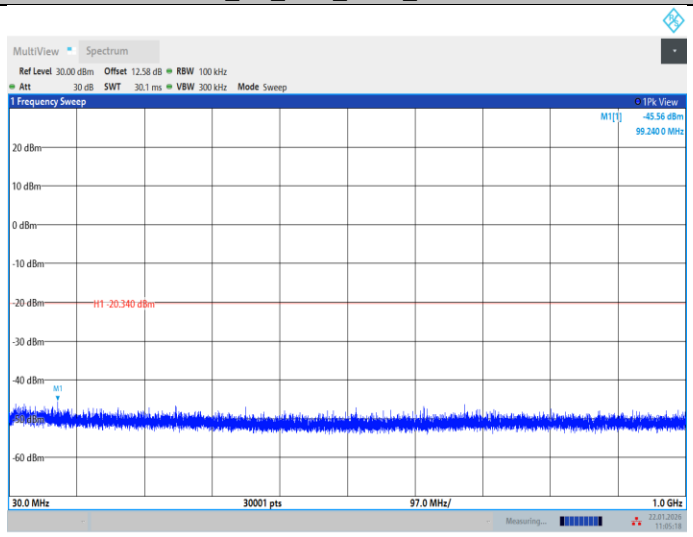
BLE_2M_Ant1_2404_1000~26500



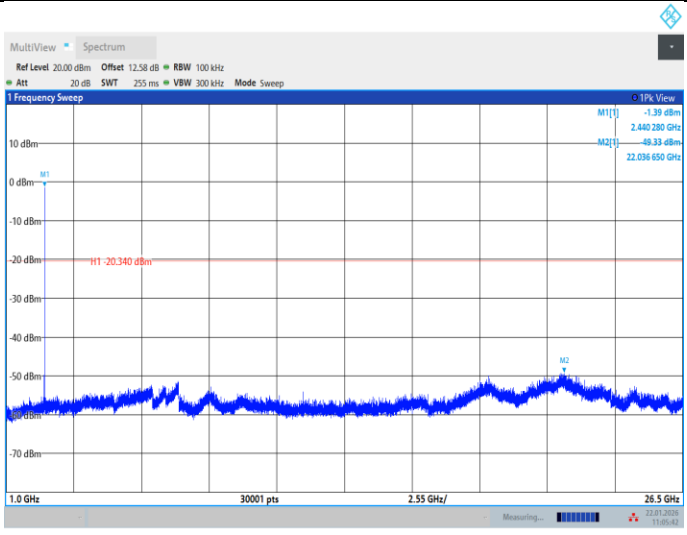
BLE_2M_Ant1_2440_0~Reference



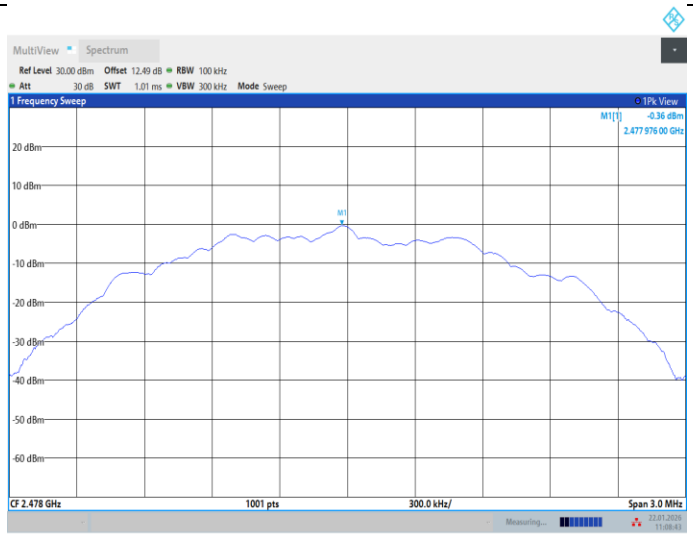
BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500

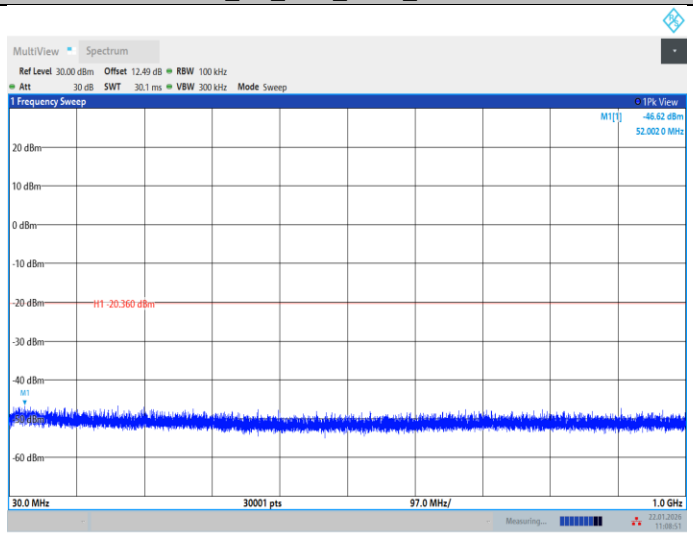


BLE_2M_Ant1_2478_0~Reference



11:08:43 22.01.2026

BLE_2M_Ant1_2478_30~1000



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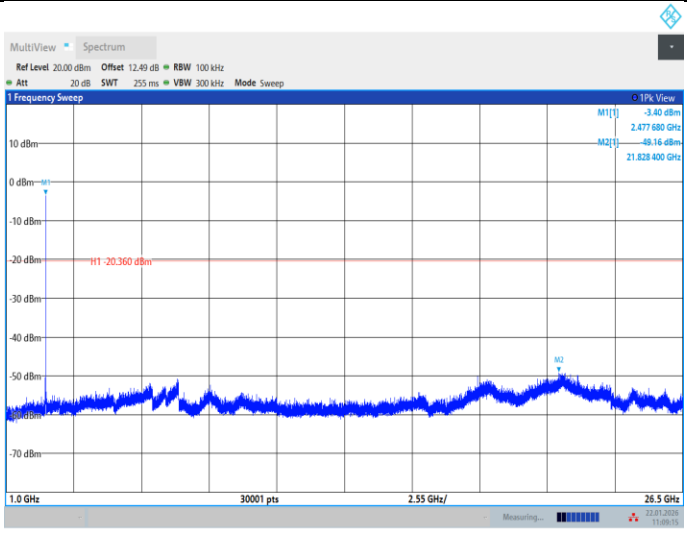
BLE_2M_Ant1_2478_1000~26500



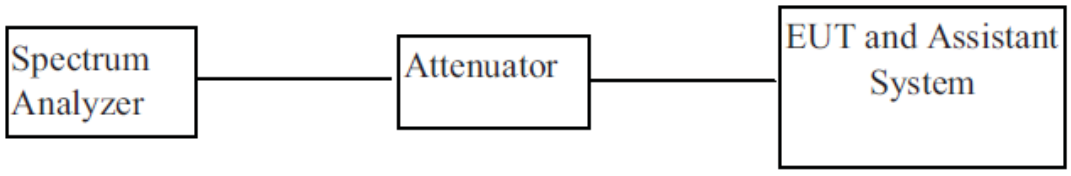
11:09:16 22.01.2026

8. Conducted Output Power Spectral Density

8.1. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	SIGNAL GENERATOR	Agilent	N5182A	MY5014563	2025-05-08	1 Year
2	WIDEBAND RADIO	R&S	CMW500	147521	2025-05-08	1 Year
3	POWER SENSOR	Agilent	U2021XA	MY55060007	2025-05-08	1 Year
4	Signal &Spectrum Analyzer	R&S	FSV3044	101173	2025/03/29	1 Year

8.2. Block diagram of test setup



8.3. Limit

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.

8.4. Test Procedure

(1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator

(2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.

(3). Set SPA Trace 1 Max hold, then View

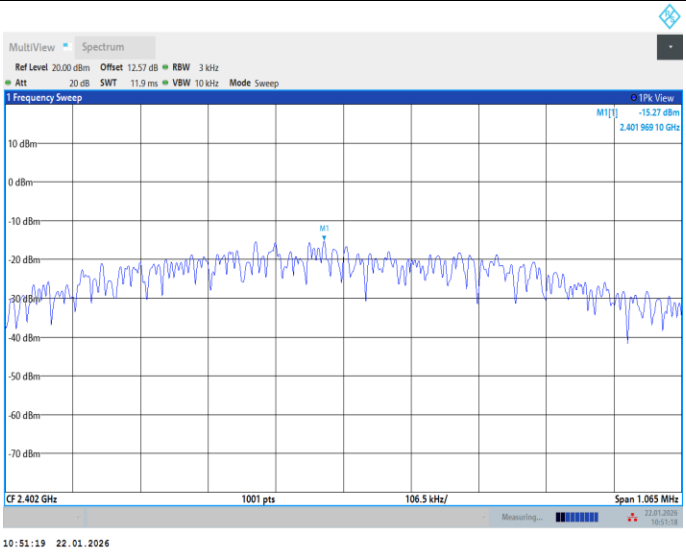
8.5. Test result

Ambient Condition:	21.9-25.4℃,39.8-43.2%RH	Test Date:	2026.01.21-2026.01.22
Test Power Supply:	Battery	Sample Number:	S26011304-001

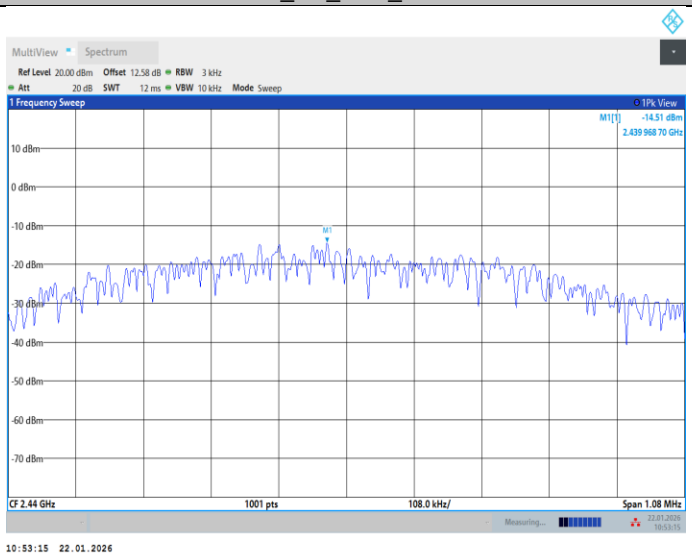
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.27	≤8.00	PASS
		2440	-14.51	≤8.00	PASS
		2480	-14.48	≤8.00	PASS
BLE_2M	Ant1	2404	-17.64	≤8.00	PASS
		2440	-16.86	≤8.00	PASS
		2478	-16.90	≤8.00	PASS

8.6. Test graphs

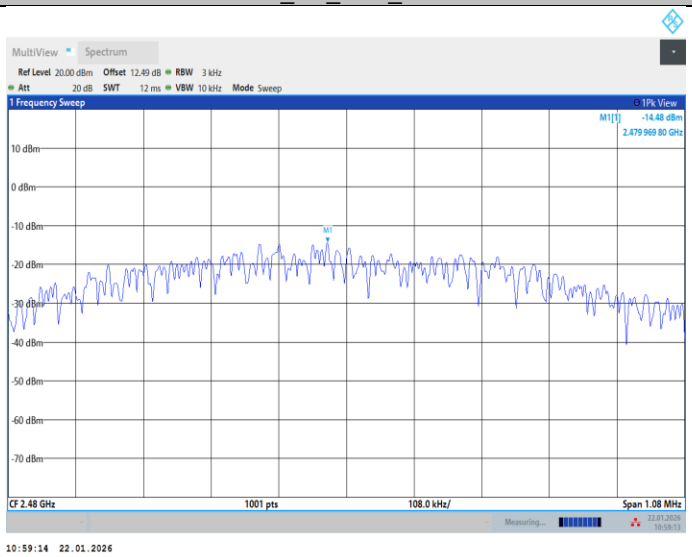
BLE_1M_Ant1_2402



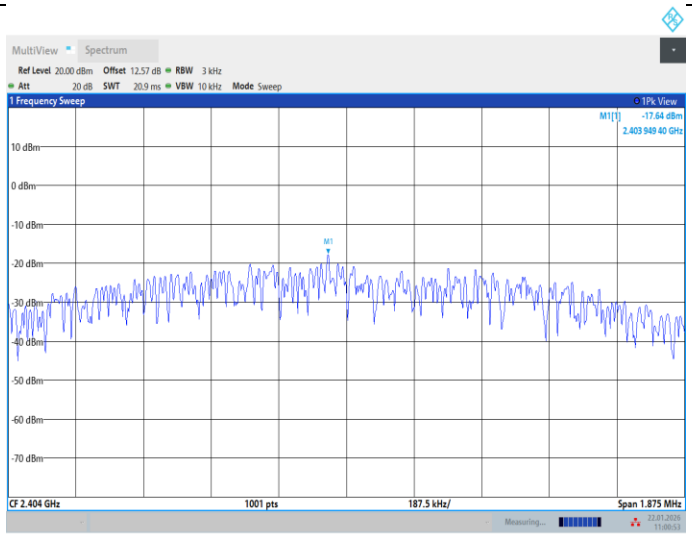
BLE_1M_Ant1_2440



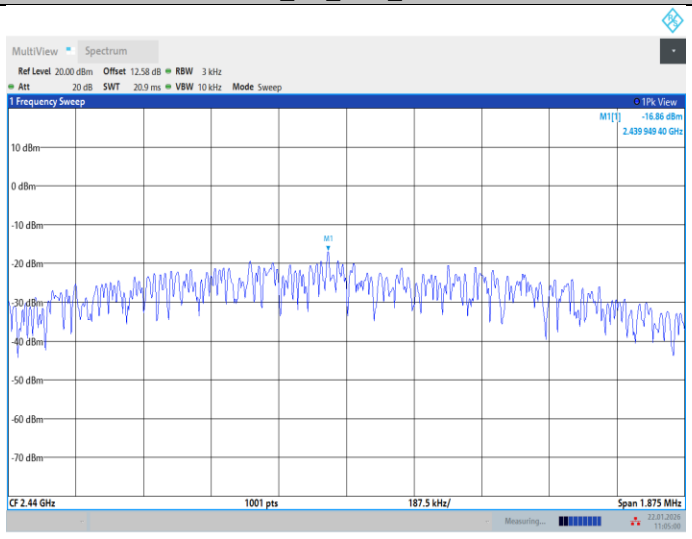
BLE_1M_Ant1_2480



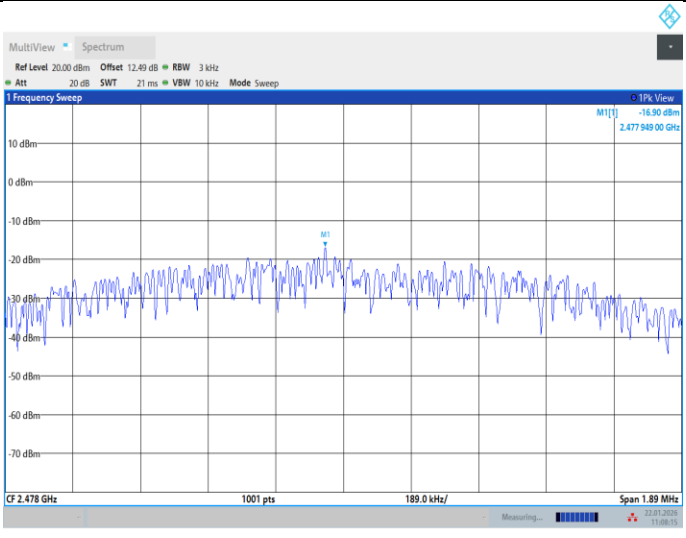
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



BLE_2M_Ant1_2478



9. Antenna Requirement

9.1. Standard requirement

15.203 requirement: For intentional device, according to 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.

15.247(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

9.2. EUT Antenna

The antenna is Integral Antenna and no consideration of replacement. Antenna gain is Maximum 0.14 dBi from 2.4GHz to 2.5GHz.