



FCC CERTIFICATION TEST REPORT

Applicant	:	PEAG, LLC dba Jlab Audio
Address of Applicant	:	5927 LANDAU CT, Carlsbad, CA 92008, United States
Manufacturer	:	GuangDong Simpreal Intelligent Technology Co., Ltd
Address of Manufacturer	:	Room 2408, JiaHong ZhenXing DaSha, DongGuan Avenue #13, DongCheng District, DongGuan City, GuangDong Province, P.R. China
Equipment under Test	:	JLAB True Wireless Earbuds
Model No.	:	JBuds Sport ANC 4
FCC ID	:	2AHYV-JBASP4
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, ANSI C63.10:2013,
Report No.	:	DDT-RE24031401-1E02
Issue Date	:	2024/05/24
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

Table of Contents

1.	Summary of Test Results	7
2.	General Test Information.....	8
2.1.	Description of EUT	8
2.2.	Accessories of EUT	9
2.3.	Block diagram of EUT configuration for test	9
2.4.	Decision of final test mode	9
2.5.	Deviations of test standard	10
2.6.	Test environment conditions	10
2.7.	Test laboratory	10
2.8.	Measurement uncertainty	11
3.	Equipment Used During Conductive Test	12
4.	6 dB Bandwidth	13
4.1.	Block diagram of test setup	13
4.2.	Limits.....	13
4.3.	Test procedure	13
4.4.	Test result	14
4.5.	Test graphs	15
5.	99% Bandwidth	19
5.1.	Block diagram of test setup	19
5.2.	Limits.....	19
5.3.	Test procedure	19
5.4.	Test result	20
5.5.	Test graphs	21
6.	Maximum Peak Output Power.....	25
6.1.	Block diagram of test setup	25
6.2.	Limits.....	25
6.3.	Test procedure	25
6.4.	Test result	26
6.5.	Test graphs	27
7.	Power Spectral Density	31
7.1.	Block diagram of test setup	31
7.2.	Limits.....	31
7.3.	Test procedure	31
7.4.	Test result	32
7.5.	Test graphs	33
8.	Band Edge Compliance (Conducted Method)	37

8.1.	Block diagram of test setup	37
8.2.	Limits	37
8.3.	Test procedure	37
8.4.	Test result	38
8.5.	Test graphs	39
9.	RF Conducted Spurious Emissions.....	42
9.1.	Block diagram of test setup	42
9.2.	Limits.....	42
9.3.	Test procedure	42
9.4.	Test result	43
9.5.	Test graphs	44
10.	Duty Cycle.....	56
10.1.	Block diagram of test setup	56
10.2.	Limit.....	56
10.3.	Test procedure	56
10.4.	Test result	57
10.5.	Test graphs	58
11.	Antenna Requirements.....	62
11.1.	Limit.....	62
11.2.	Result	62
12.	Radiated Emission	63
12.1.	Test equipment.....	63
12.2.	Block diagram of test setup	64
12.3.	Limits.....	65
12.4.	Assistant equipment used for test	66
12.5.	Test procedure	66
12.6.	Test result	68
12.7.	Test data	69
13.	Band Edge Compliance.....	101
13.1.	Test equipment.....	101
13.2.	Block diagram of test setup	102
13.3.	Limits.....	102
13.4.	Assistant equipment used for test	102
13.5.	Test procedure	102
13.6.	Test result	102
13.7.	Test data	103
14.	Power Line Conducted Emissions.....	119
14.1.	Test equipment.....	119

14.2. Block diagram of test setup 119

14.3. Limits 119

14.4. Assistant equipment used for test 119

14.5. Test procedure 120

14.6. Test result 120

14.7. Test data 121

15. Test Setup Photograph 125

16. Photos of the EUT 128

Test Report Declare

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Model No.	:	JBuds Sport ANC 4
Manufacturer	:	GuangDong Simpreal Intelligent Technology Co., Ltd
Address of Manufacturer	:	Room 2408, JiaHong ZhenXing DaSha, DongGuan Avenue #13, DongCheng District, DongGuan City, GuangDong Province, P.R. China

Test Standard Used:
FCC Rules and Regulations Part 15 Subpart C,
ANSI C63.10:2013,

We Declare:
The equipment described above is tested by Guangdong Dongdian Testing Service 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 Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE24031401-1E02		
Date of Receipt:	2024/04/12	Date of Test:	2024/04/12~2024/05/24

Prepared By:

Ziqin Chen
Ziqin Chen/Engineer

Approved By:


Damon Hu
Damon Hu/EMC Manager

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

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	2024/05/24	

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6 dB Bandwidth and 99% Bandwidth	FCC Part 15: 15.247(a)(2),	/	Pass
2	Peak Output Power	FCC Part 15: 15.247(b)(3)	/	Pass
3	Power Spectral Density	FCC Part 15:15.247(e)	/	Pass
4	RF Conducted Spurious Emissions	FCC Part 15: 15.247(d)	/	Pass
5	Radiated Emission	FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d)	/	Pass
6	Band Edge Compliance	FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d)	/	Pass
7	Antenna Requirement	FCC Part 15: 15.203	/	Pass
8	Power Line Conducted Emissions	FCC Part 15: 15.207(a)	/	Pass
Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.				

2. General Test Information

2.1. Description of EUT

EUT Name	: JLAB True Wireless Earbuds
Model Number	: JBuds Sport ANC 4
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 5V by an external adapter or DC 3.7V built-in lithium battery
Hardware Version	: V1.7
Software Version	: V3.9.0

Note: This EUT support Bluetooth BR/EDR/LE, this report only for Bluetooth LE.

Radio Specification	: Bluetooth LE
Operation Frequency	: 2402 MHz - 2480 MHz
Modulation	: GFSK

Antenna information	
Antenna Type	: FPC
Max Antenna Gain(dBi)	: L:-0.13dBi R:-0.16dBi

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

2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		
The channels denoted with the grey background are excluded, because they are primary advertising channel only for the Bluetooth LE 1Mbps according to the Bluetooth Core Specification.					

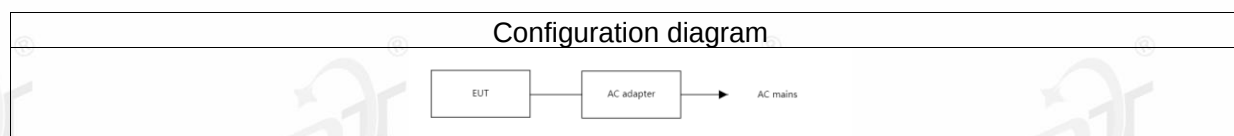
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

“☒” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
/	/	/	/

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:

Test software: BQB.exe

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table:

The pathloss of external cable: 0.5dB (According to the manufacturer's claims)

Tested mode, channel, information			
Mode	Setting Tx Power	Channel	Frequency (MHz)
GFSK 1M	Default	CH0	2402
	Default	CH19	2440
	Default	CH39	2480
GFSK 2M	Default	CH1	2404
	Default	CH19	2440
	Default	CH38	2478

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

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

Temperature range:	+15°C to +35 °C
Humidity range:	20% to 75%
Pressure range:	86 kPa to 106 kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

2.8. Measurement uncertainty

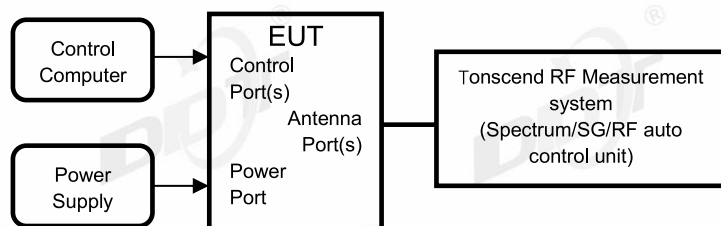
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Frequencies Stability	6.7×10^{-8} (Antenna couple method) 5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.40 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$) 1.66 dB ($8 \text{ GHz} \leq f < 26.5 \text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V) 4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz) 4.40 dB (6 GHz - 18 GHz) 3.54 dB (18 GHz - 26 GHz) 4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.34dB (150KHz-30MHz) 3.72dB (9KHz-150KHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date
☑RF Connected Test (RF Measurement System 4#)				
Signal &Spectrum Analyzer	R&S	FSV3044	101173	2025/03/31
Wideband Radio Communication Tester	R&S	CMW500	168801	2025/03/31
MXG Vector Signal Generator	Agilent	N5182A	MY48180737	2025/03/31
PSG Vector Signal Generator	Agilent	E8267D	US49060192	2024/09/05
RF Control Unit	Tonsend	JS0806-2	21I8060485	2025/03/31
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2025/04/22
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A

4. 6 dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

For direct sequence systems, the minimum 6 dB bandwidth shall be at least 500 kHz

4.3. Test procedure

- (1) The test according to ANSI C63.10-2013 clause 11.8.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously
- (4) Use the following spectrum analyzer settings for 6 dB Bandwidth:

RBW:	100 kHz
VBW:	$\geq [3 \times \text{RBW}]$
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold
- (5) Allow the trace to stabilize, measure the 6 dB bandwidth of signal, and record the results in the report.

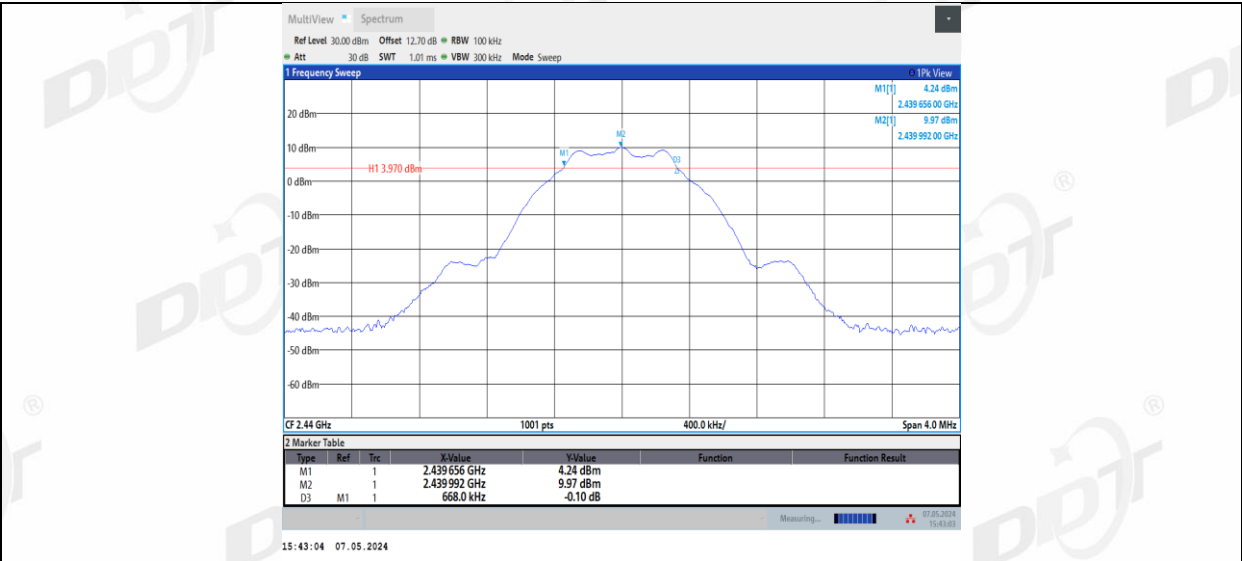
4.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.6℃,56.2%RH	Test Date:	2024.05.07
Test Power Supply:	Battery	Sample Number:	S24031401-001

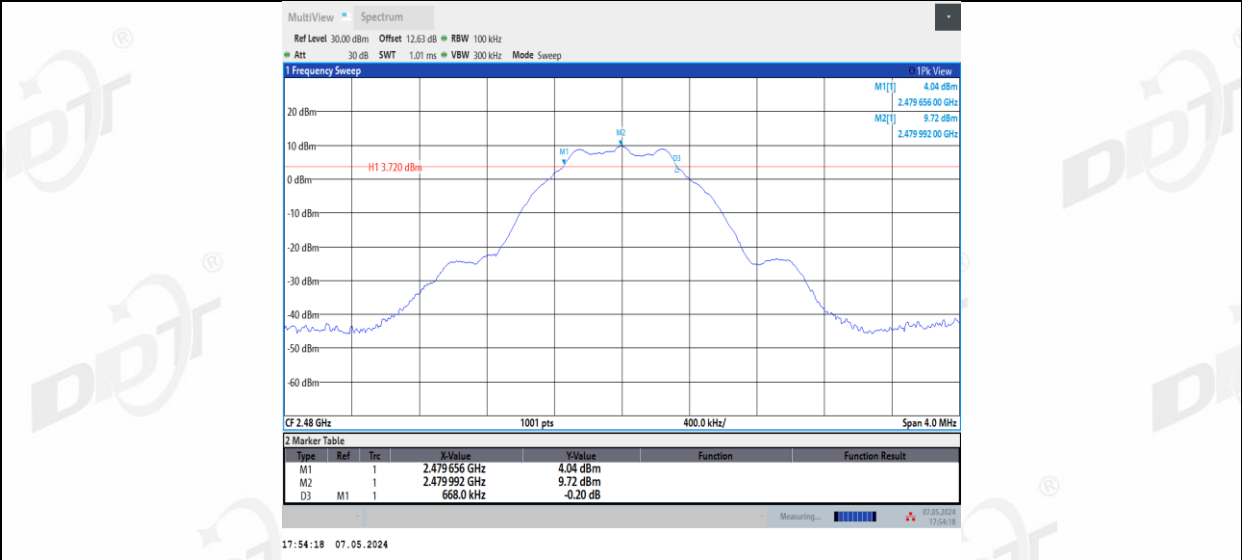
Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1_L	2402	0.67	2401.65	2402.32	0.5	PASS
	Ant2_R	2402	0.67	2401.66	2402.32	0.5	PASS
	Ant1_L	2440	0.67	2439.65	2440.32	0.5	PASS
	Ant2_R	2440	0.67	2439.66	2440.32	0.5	PASS
	Ant1_L	2480	0.67	2479.66	2480.32	0.5	PASS
	Ant2_R	2480	0.67	2479.65	2480.32	0.5	PASS
BLE_2M	Ant1_L	2404	1.13	2403.43	2404.56	0.5	PASS
	Ant2_R	2404	1.13	2403.44	2404.56	0.5	PASS
	Ant1_L	2440	1.13	2439.44	2440.56	0.5	PASS
	Ant2_R	2440	1.13	2439.44	2440.57	0.5	PASS
	Ant1_L	2478	1.13	2477.44	2478.57	0.5	PASS
	Ant2_R	2478	1.13	2477.44	2478.56	0.5	PASS

4.5. Test graphs

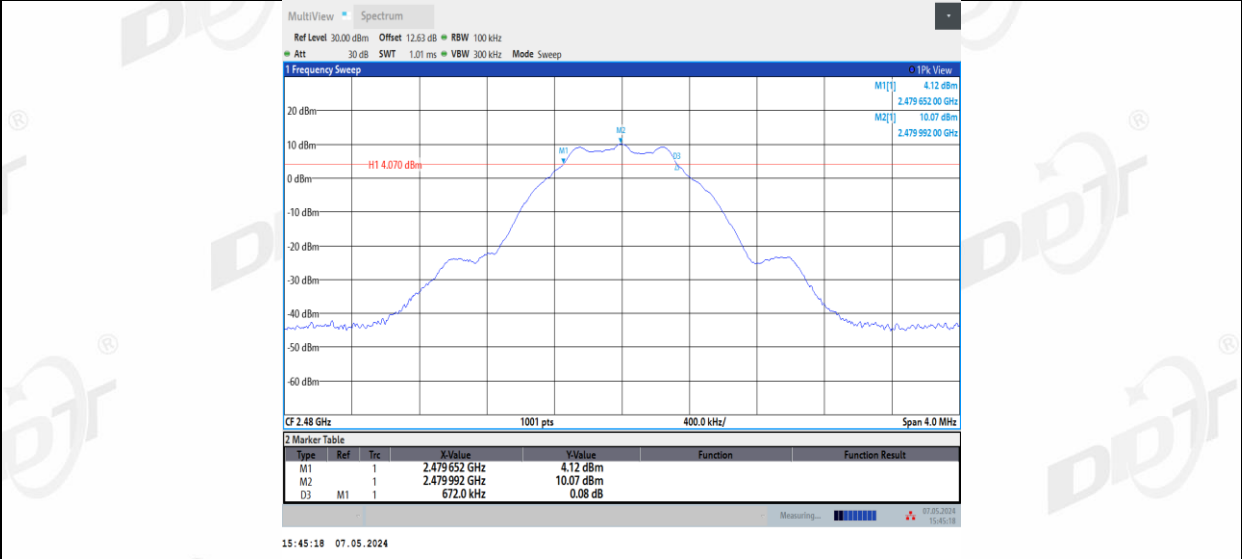




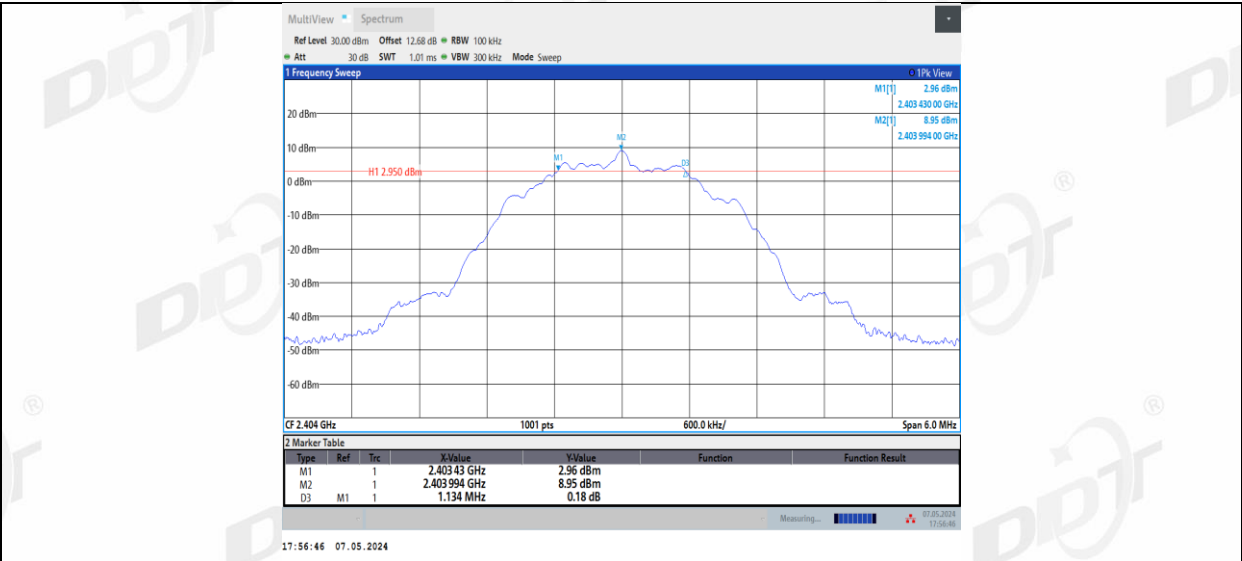
BLE_1M_Ant1_L_2480



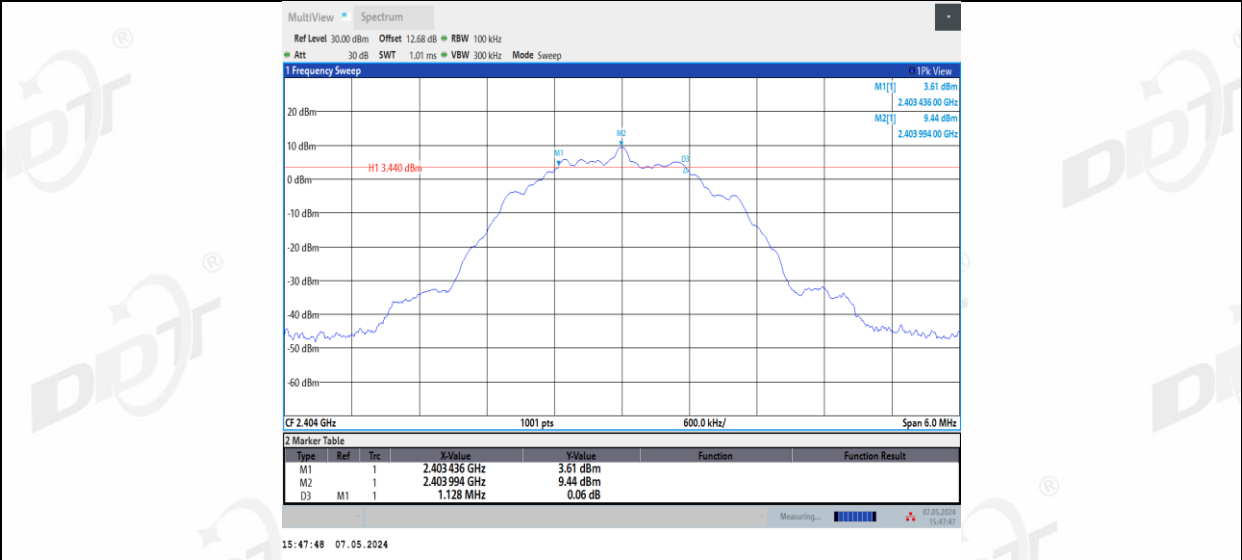
BLE_1M_Ant2_R_2480



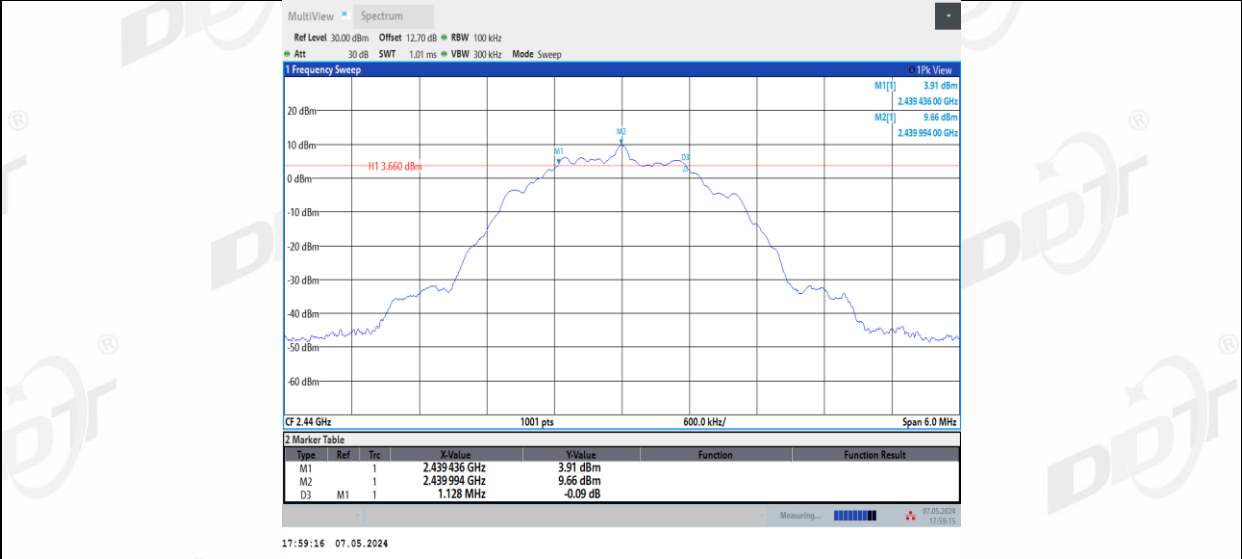
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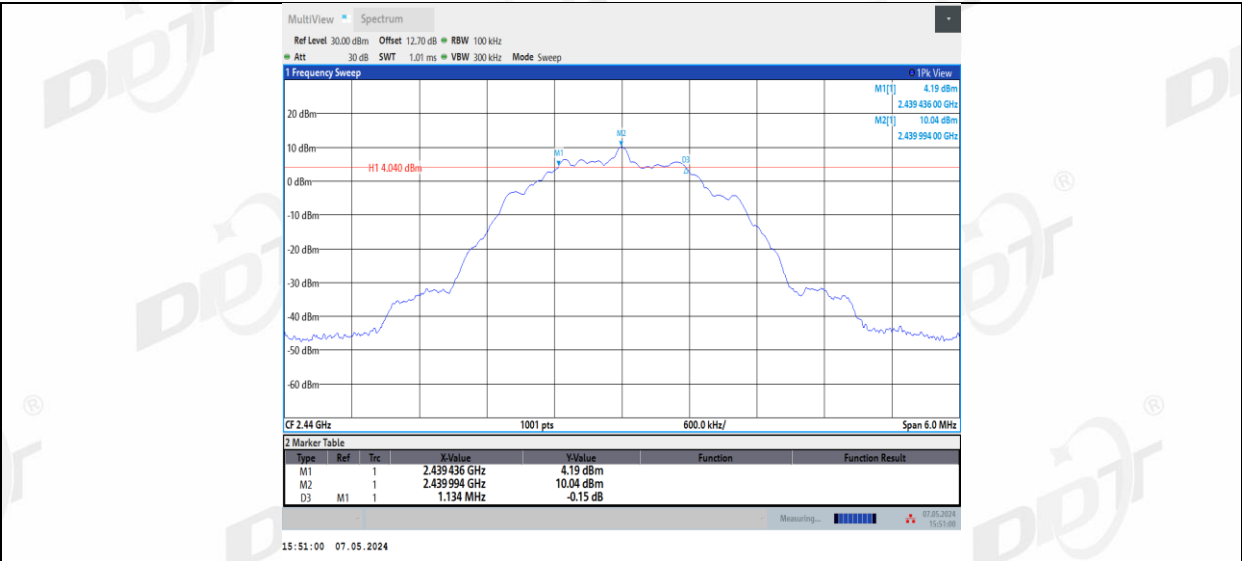
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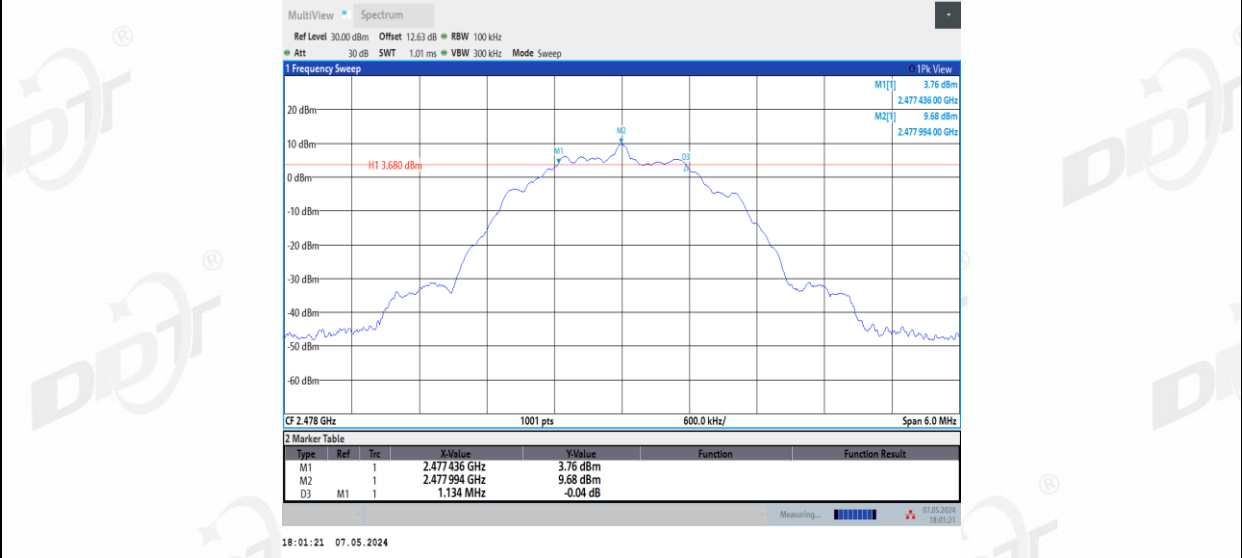
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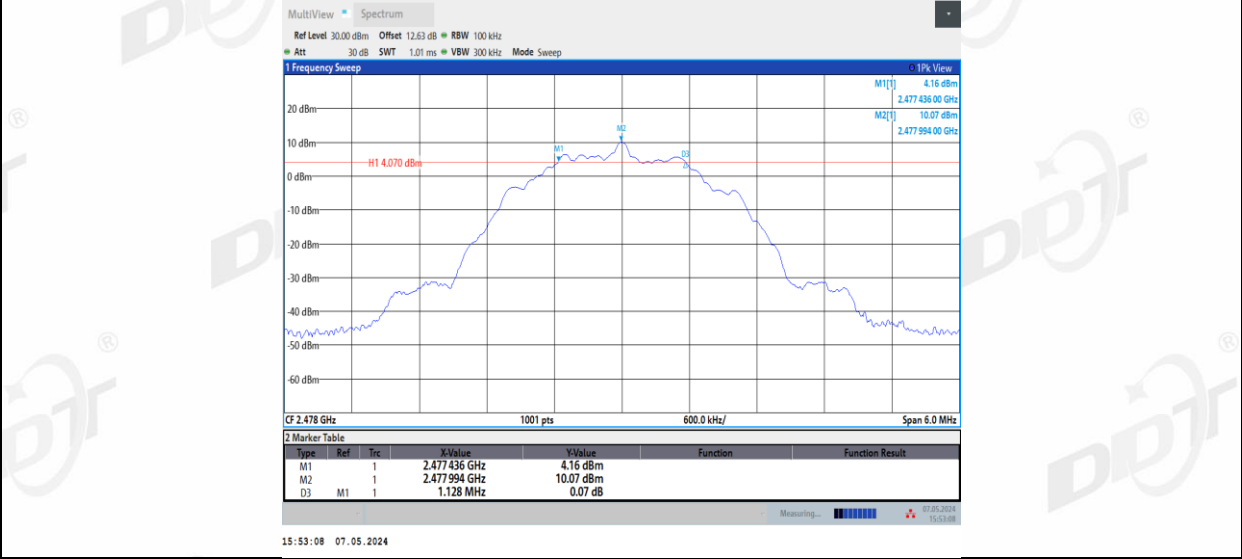
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BLE_2M_Ant1_L_2478

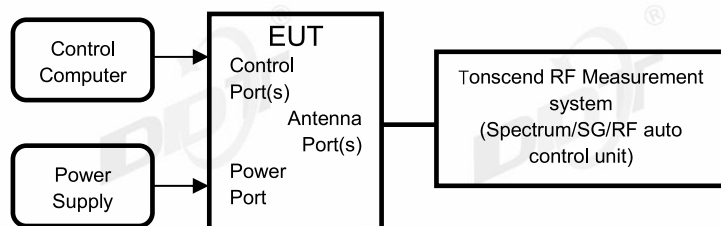


BLE_2M_Ant2_R_2478



5. 99% Bandwidth

5.1. Block diagram of test setup



5.2. Limits

Just for Report.

5.3. Test procedure

- (1) The test according to ANSI C63.10-2013 clause 6.9.3.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously
- (4) Use the following spectrum analyzer settings for the 99% Bandwidth:

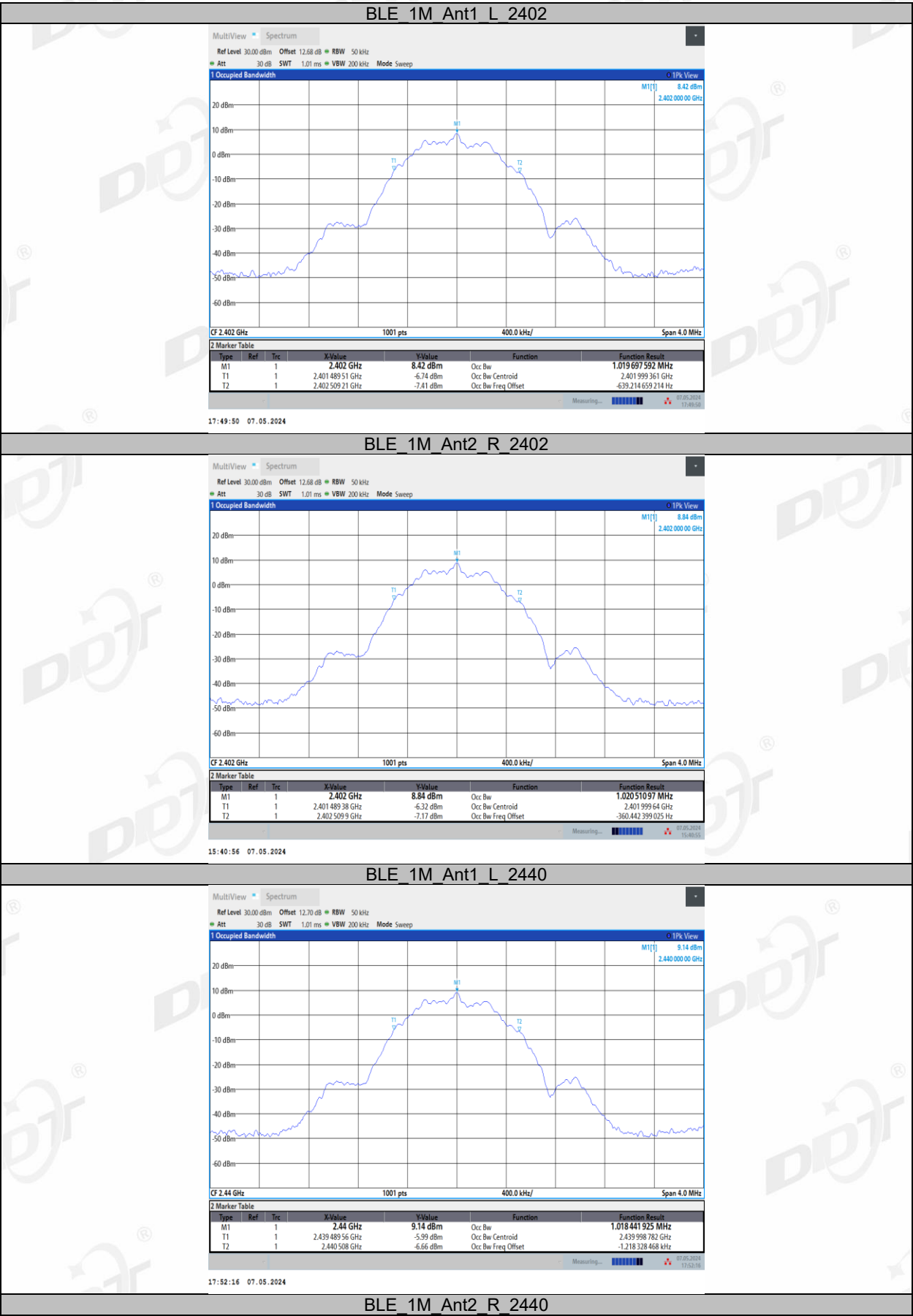
RBW:	1% to 5% of the OBW
VBW:	approximately three times RBW
Span:	between 1.5 times and 5.0 times the OBW
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold
- (5) Allow the trace to stabilize, measure the 99% bandwidth of signal, and record the results in the report.

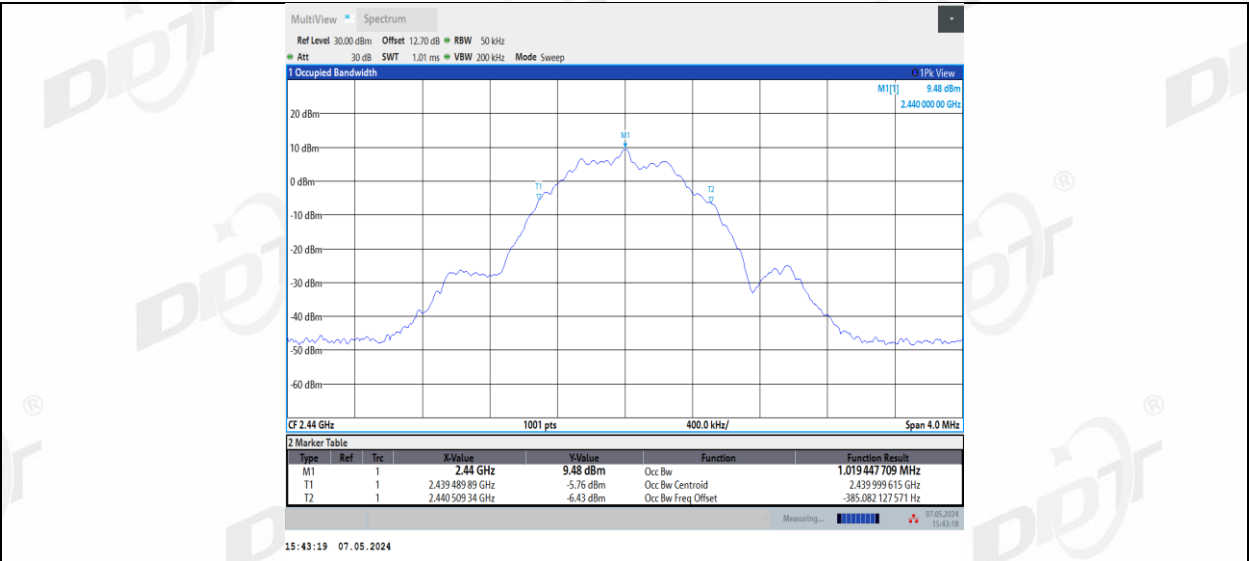
5.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.6℃,56.2%RH	Test Date:	2024.05.07
Test Power Supply:	Battery	Sample Number:	S24031401-001

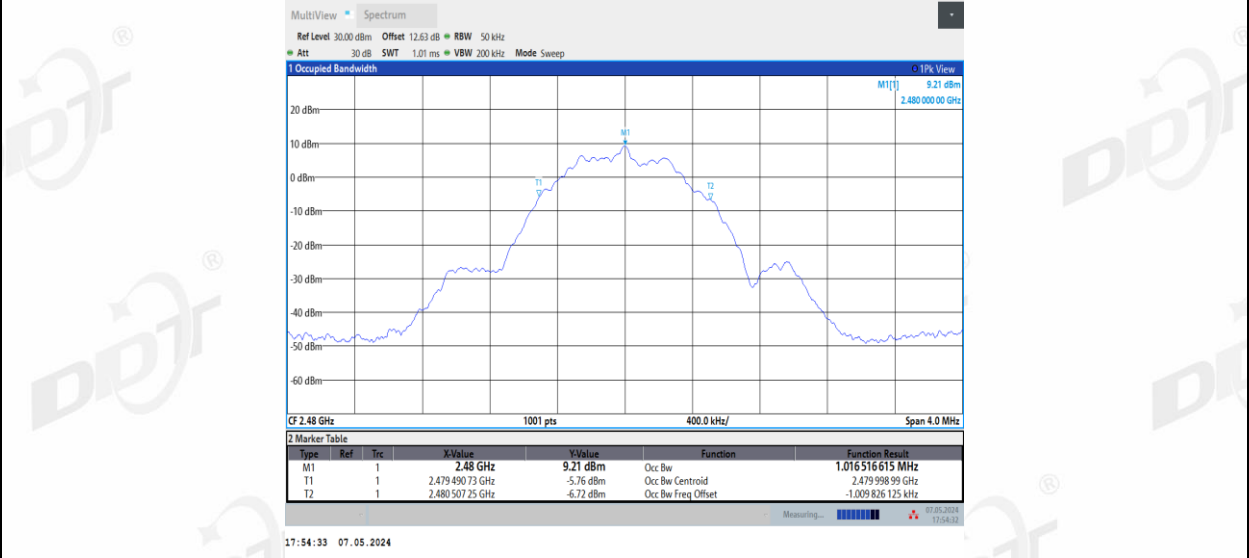
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1_L	2402	1.02	2401.4895	2402.5092	---	---
	Ant2_R	2402	1.021	2401.4894	2402.5099	---	---
	Ant1_L	2440	1.018	2439.4896	2440.5080	---	---
	Ant2_R	2440	1.019	2439.4899	2440.5093	---	---
	Ant1_L	2480	1.017	2479.4907	2480.5072	---	---
	Ant2_R	2480	1.018	2479.4903	2480.5081	---	---
BLE_2M	Ant1_L	2404	2.022	2402.9978	2405.0201	---	---
	Ant2_R	2404	2.023	2402.9978	2405.0211	---	---
	Ant1_L	2440	2.021	2438.9985	2441.0198	---	---
	Ant2_R	2440	2.022	2438.9991	2441.0215	---	---
	Ant1_L	2478	2.019	2476.9995	2479.0187	---	---
	Ant2_R	2478	2.021	2476.9994	2479.0201	---	---

5.5. Test graphs

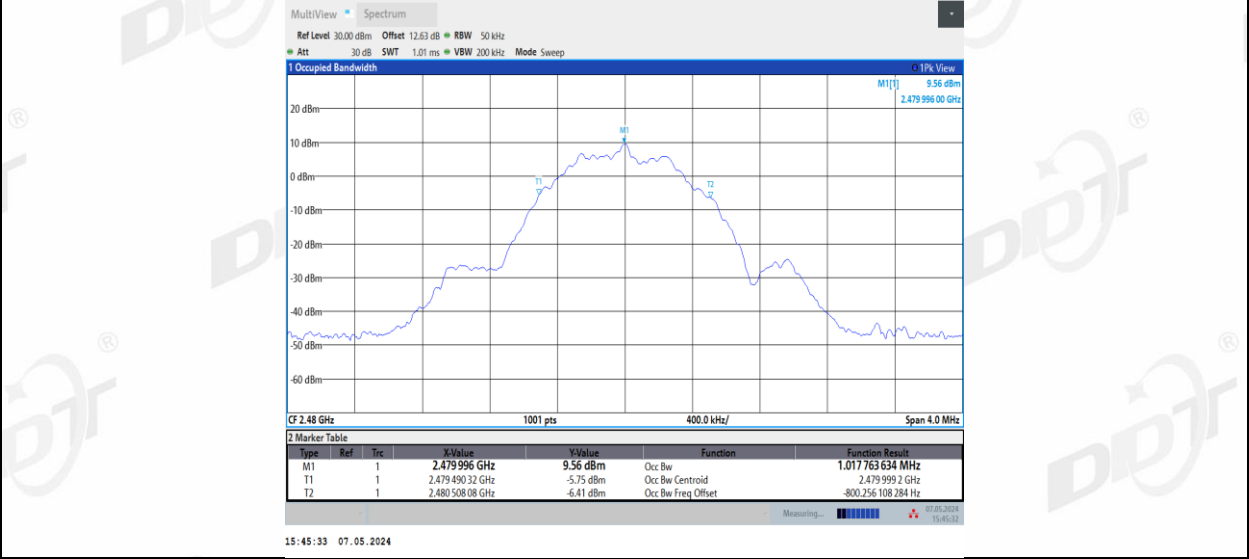




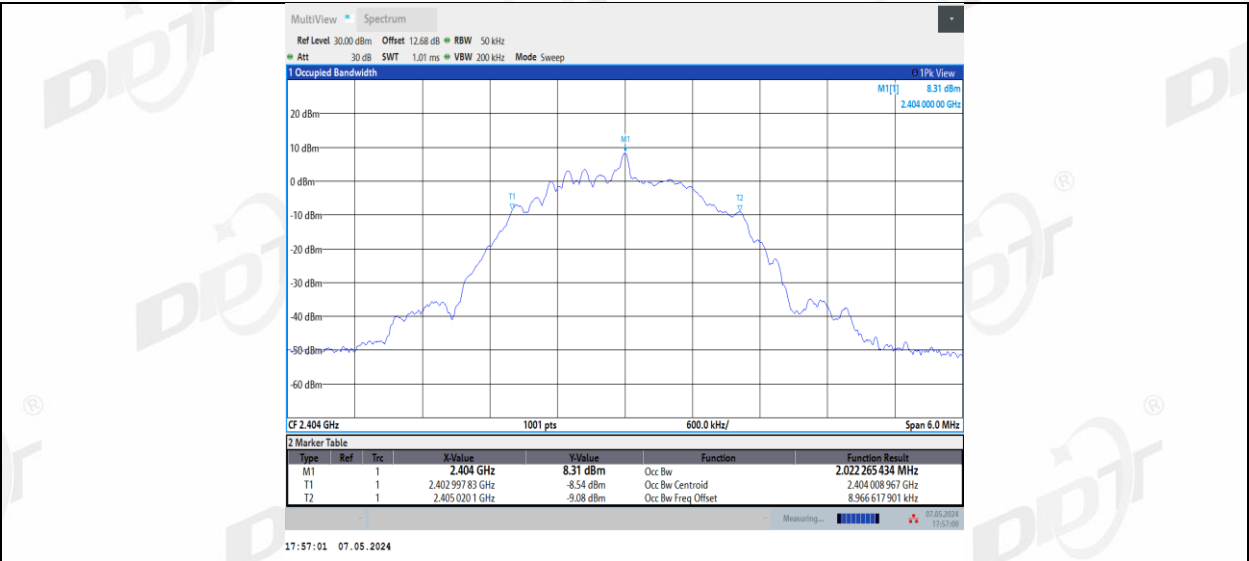
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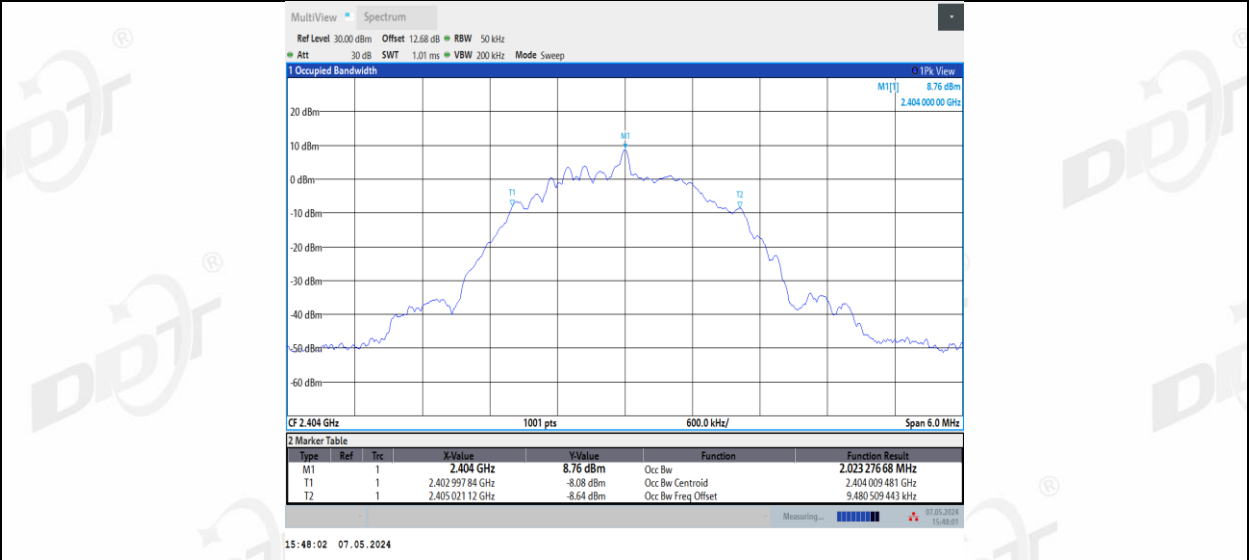
BLE_1M_Ant2_R_2480



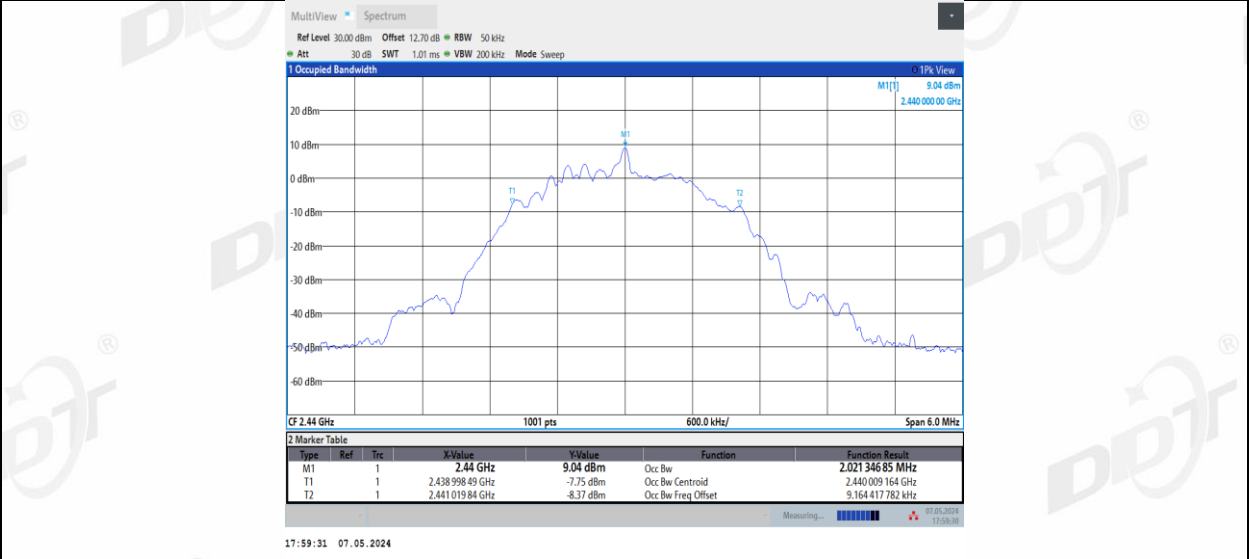
BLE_2M_Ant1_L_2404



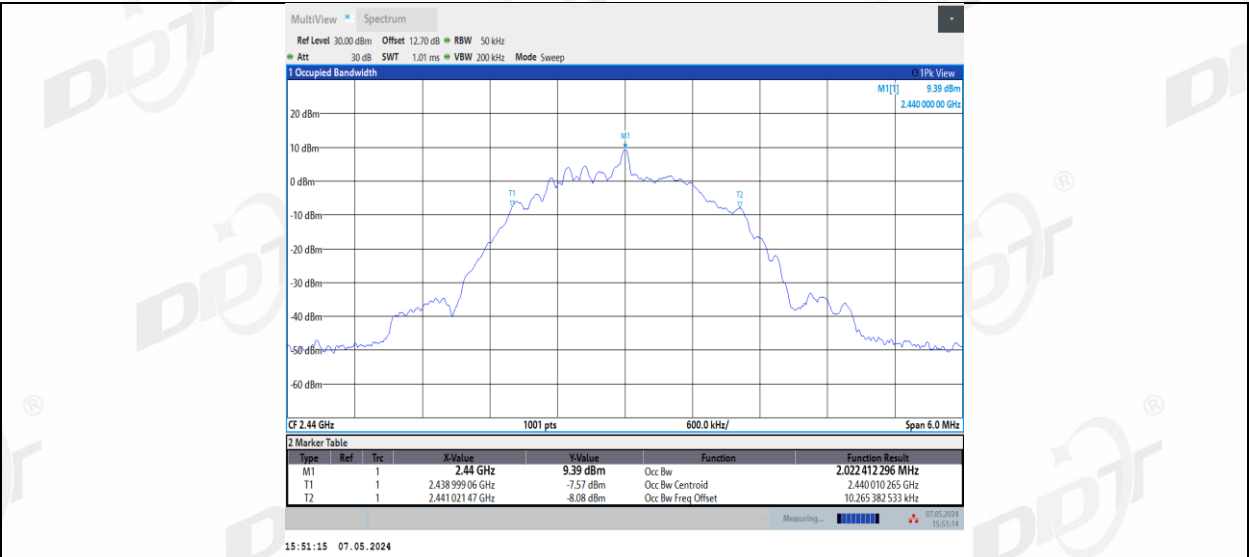
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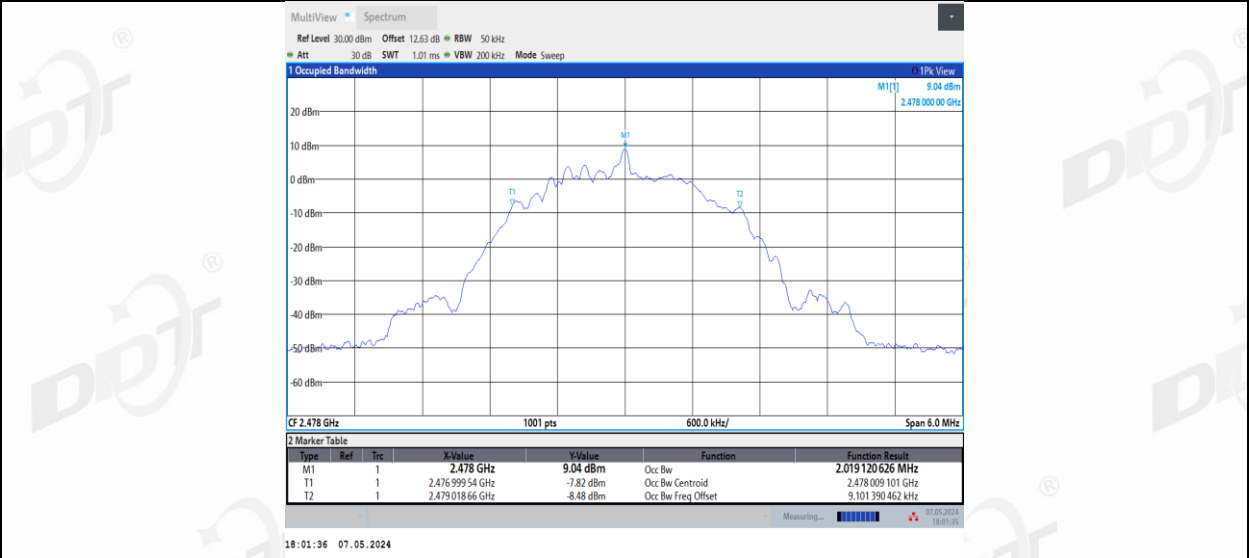
BLE_2M_Ant1_L_2440



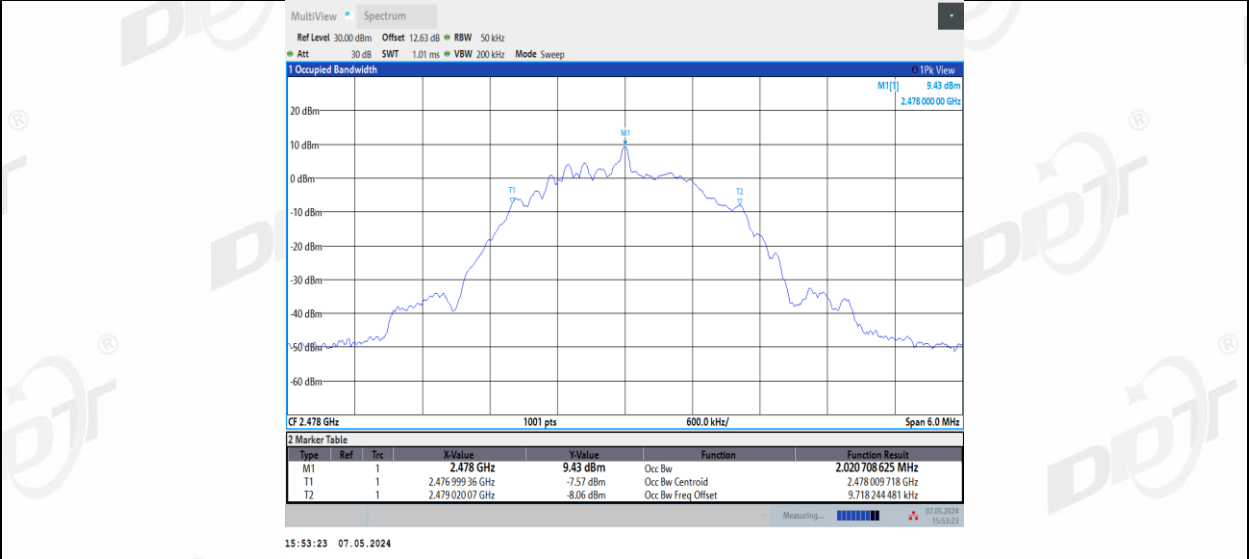
BLE_2M_Ant2_R_2440



BLE_2M_Ant1_L_2478

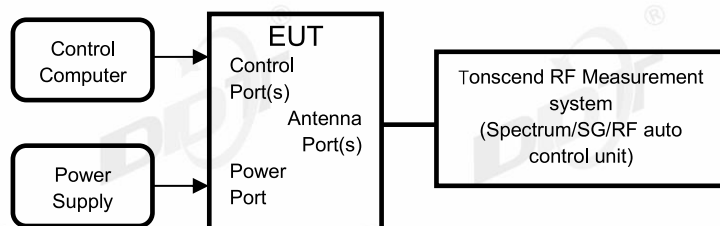


BLE_2M_Ant2_R_2478



6. Maximum Peak Output Power

6.1. Block diagram of test setup



6.2. Limits

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi, the e.i.r.p shall not exceed 4W.

6.3. Test procedure

- (1) The test according to ANSI C63.10-2013 clause 11.9.1.1.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results.
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously.
- (4) Use the following spectrum analyzer settings for the maximum peak output power measurement:

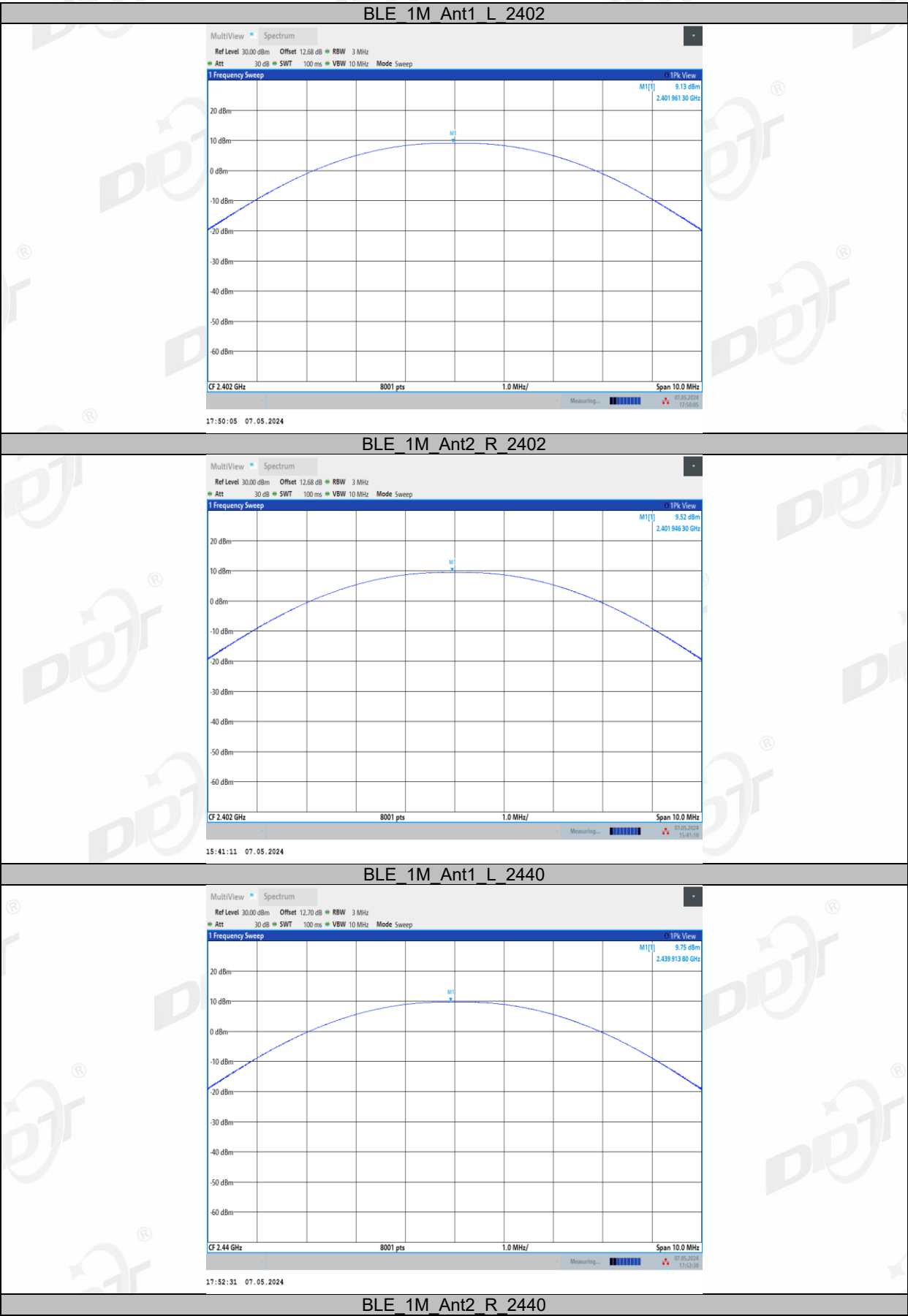
RBW:	≥DTS bandwidth
VBW:	≥3 x RBW
Span	≥3 x RBW
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold
- (5) Allow the trace to stabilize, use peak marker function to determine the peak amplitude level.

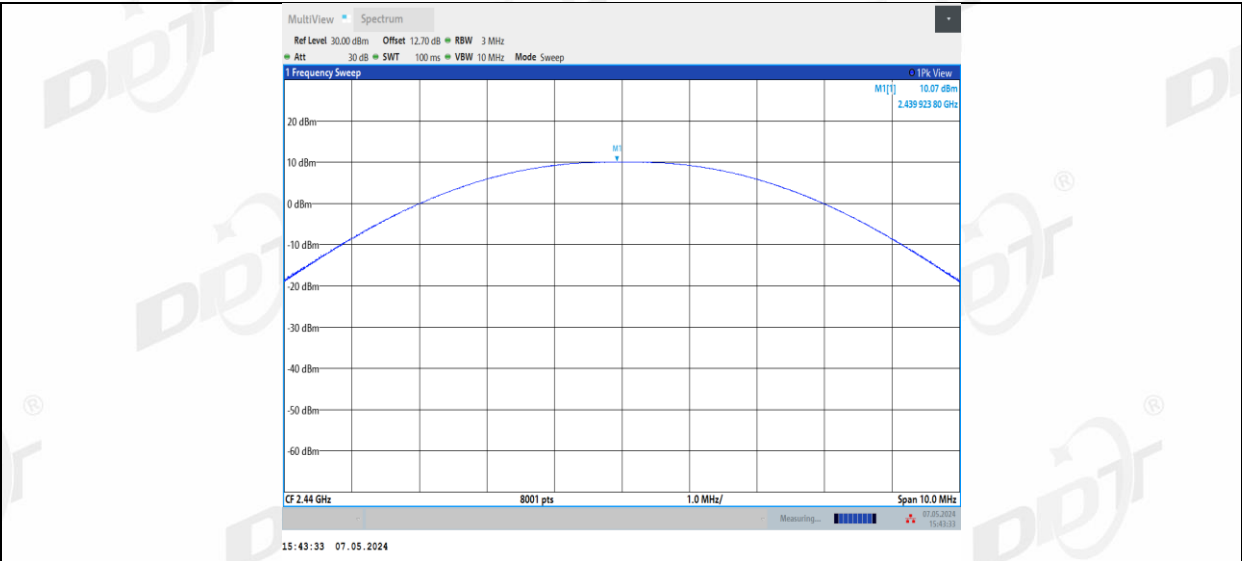
6.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.6℃,56.2%RH	Test Date:	2024.05.07
Test Power Supply:	Battery	Sample Number:	S24031401-001

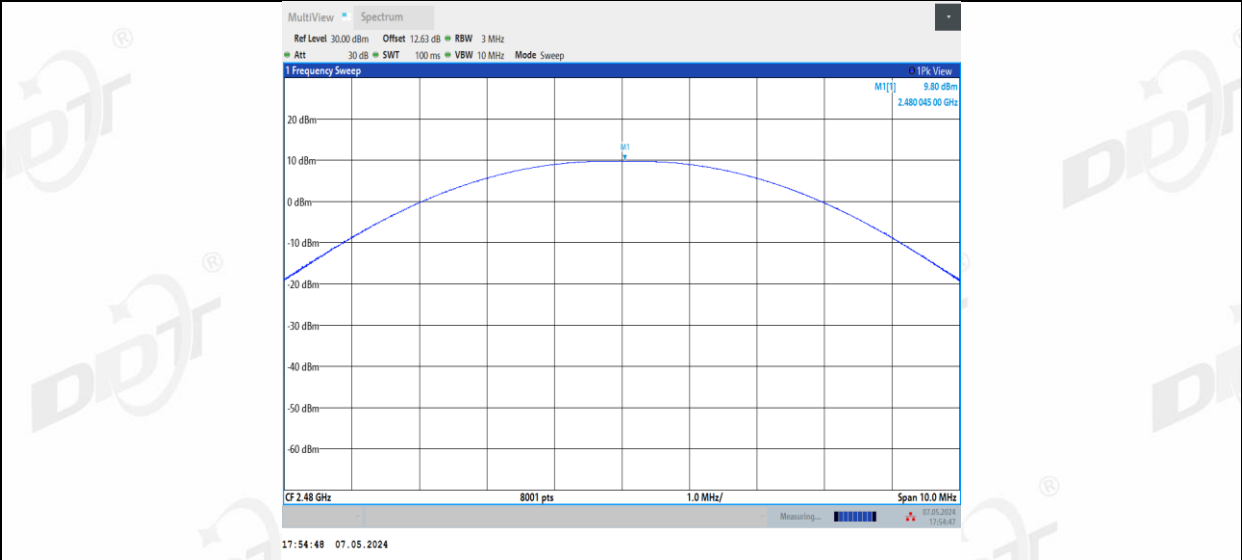
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1_L	2402	9.13	≤30	9.00	≤36	PASS
	Ant2_R	2402	9.52	≤30	9.36	≤36	PASS
	Ant1_L	2440	9.75	≤30	9.62	≤36	PASS
	Ant2_R	2440	10.07	≤30	9.91	≤36	PASS
	Ant1_L	2480	9.80	≤30	9.67	≤36	PASS
	Ant2_R	2480	10.18	≤30	10.02	≤36	PASS
BLE_2M	Ant1_L	2404	9.12	≤30	8.99	≤36	PASS
	Ant2_R	2404	9.54	≤30	9.38	≤36	PASS
	Ant1_L	2440	9.76	≤30	9.63	≤36	PASS
	Ant2_R	2440	10.09	≤30	9.93	≤36	PASS
	Ant1_L	2478	9.75	≤30	9.62	≤36	PASS
	Ant2_R	2478	10.11	≤30	9.95	≤36	PASS

6.5. Test graphs

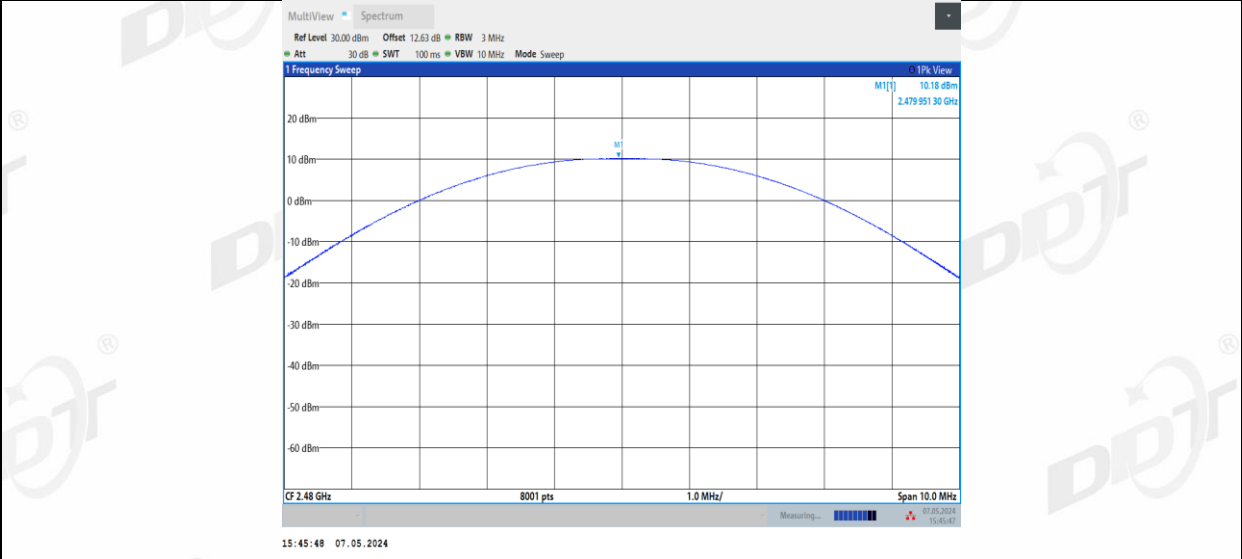




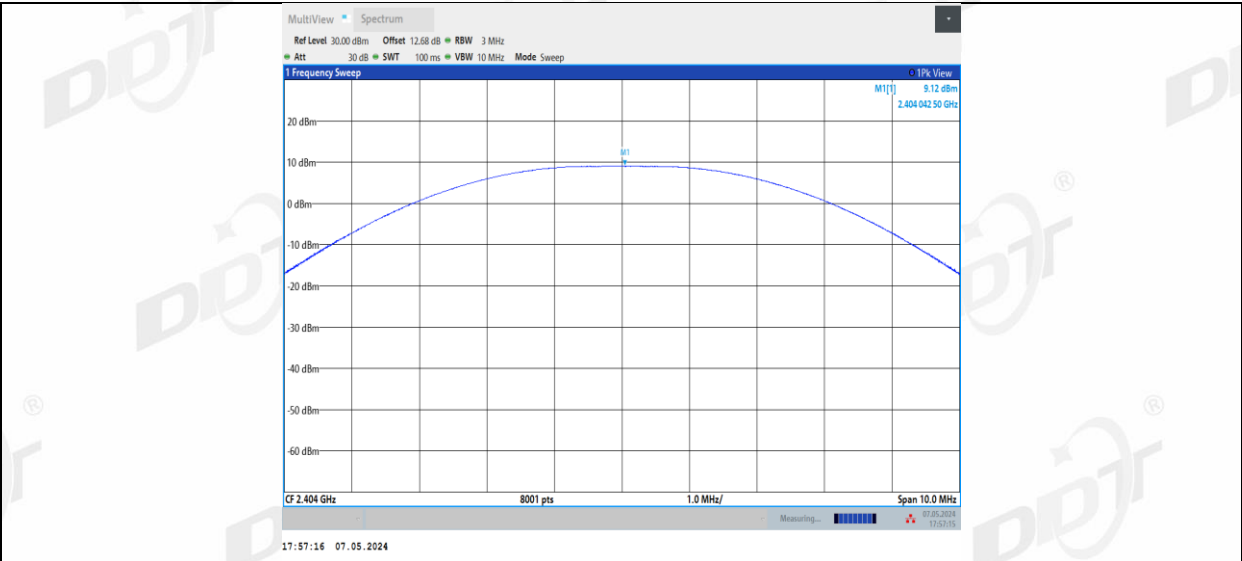
BLE_1M_Ant1_L_2480



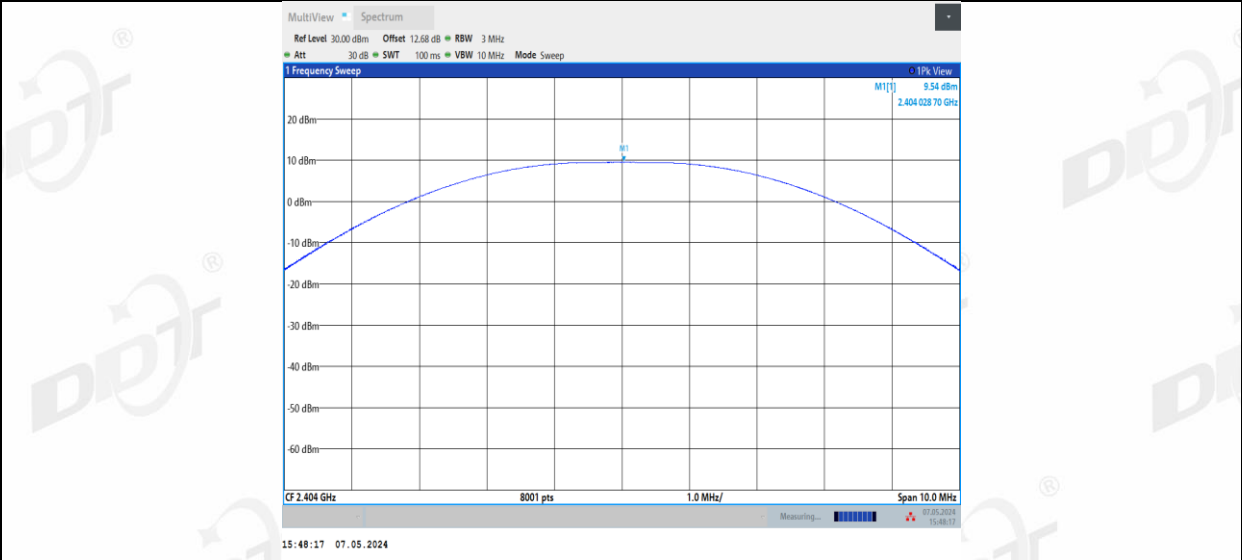
BLE_1M_Ant2_R_2480



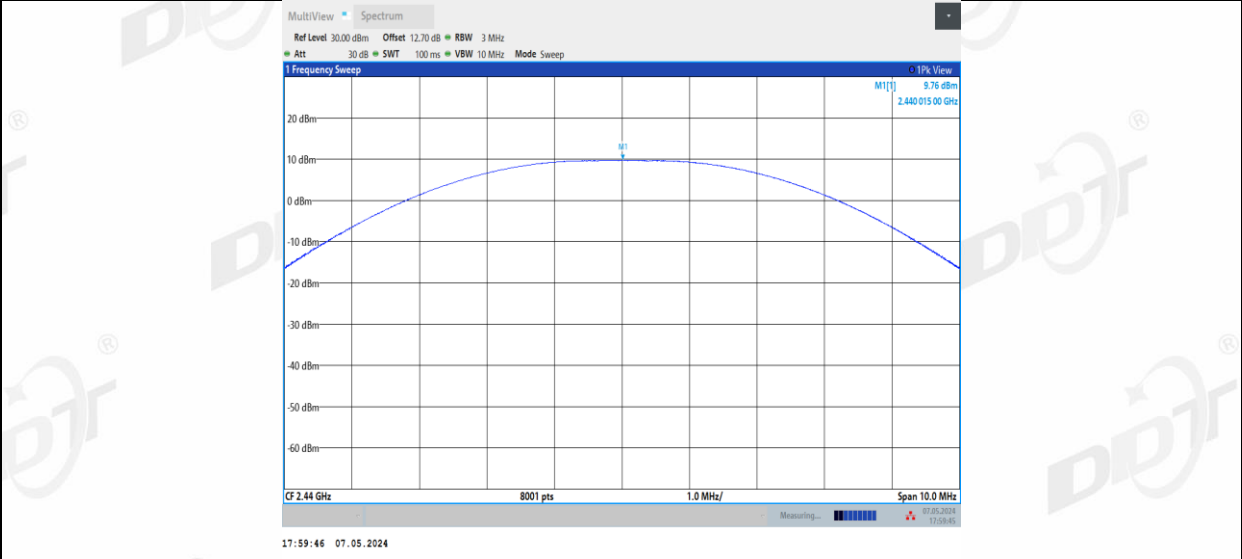
BLE_2M_Ant1_L_2404



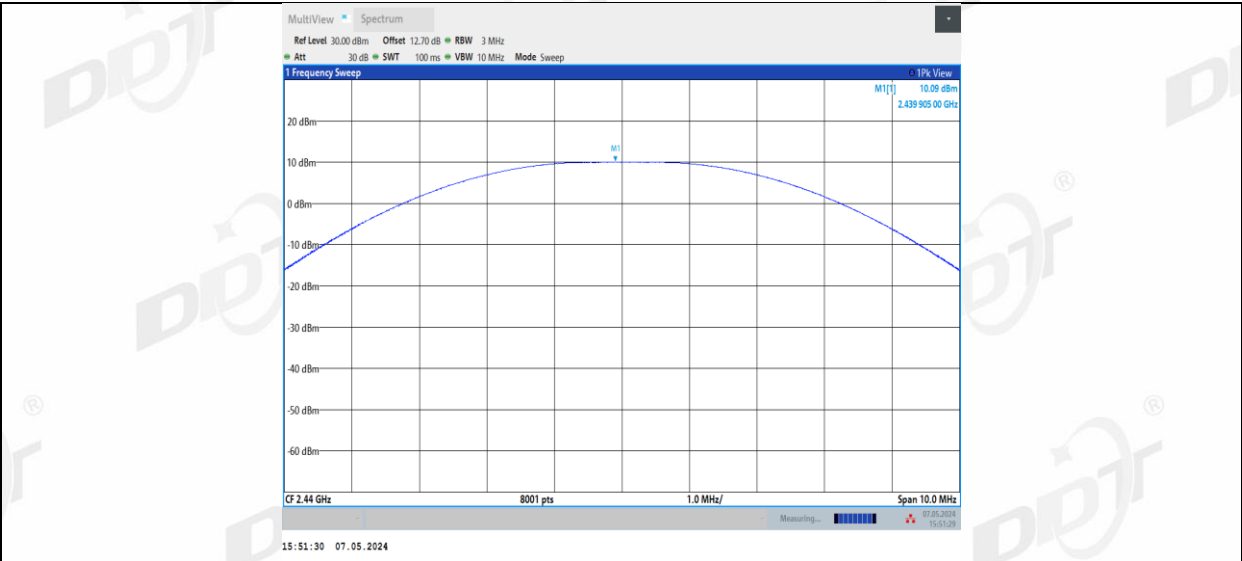
BLE_2M_Ant2_R_2404



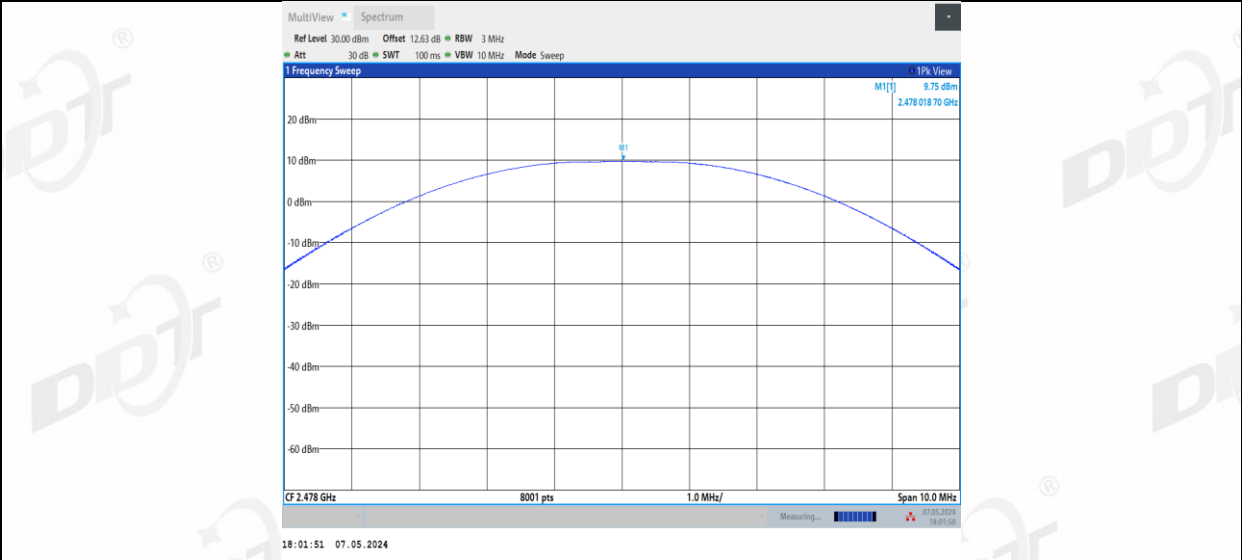
BLE_2M_Ant1_L_2440



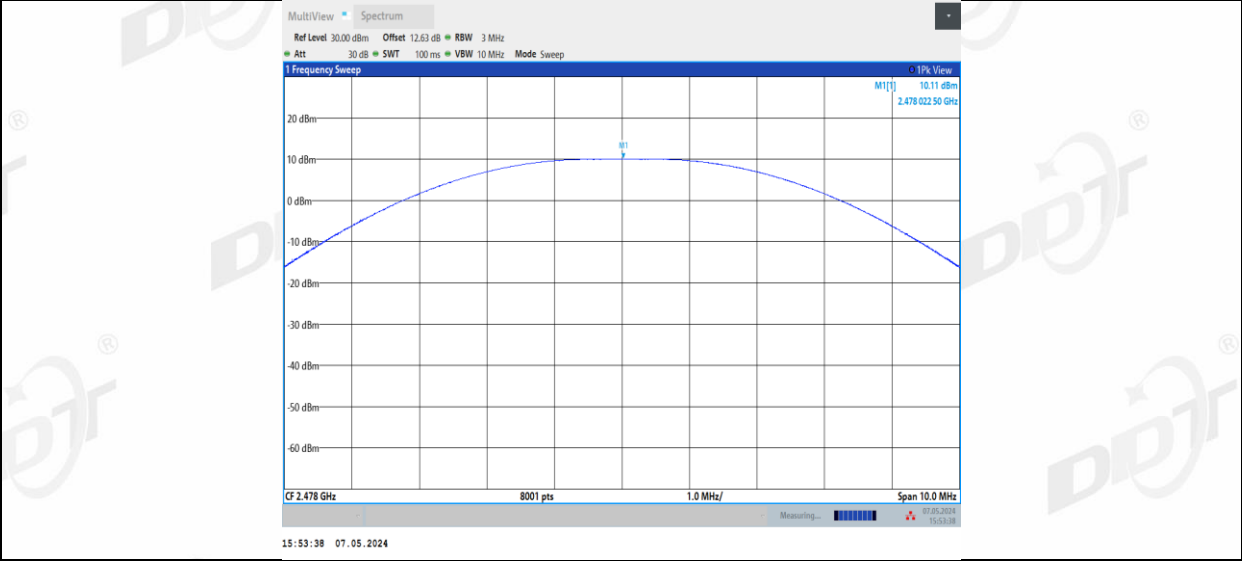
BLE_2M_Ant2_R_2440



BLE_2M_Ant1_L_2478

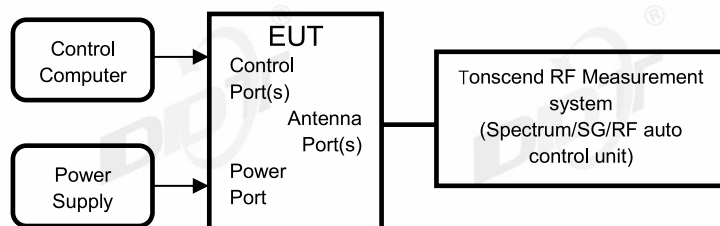


BLE_2M_Ant2_R_2478



7. Power Spectral Density

7.1. Block diagram of test setup



7.2. Limits

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.

7.3. Test procedure

- (1) The test according to ANSI C63.10-2013 clause 11.10.2.
 - (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results.
 - (3) Set the EUT as maximum power setting and enable the EUT transmit continuously.
 - (4) Use the following spectrum analyzer settings for Power Spectral Density measurement:

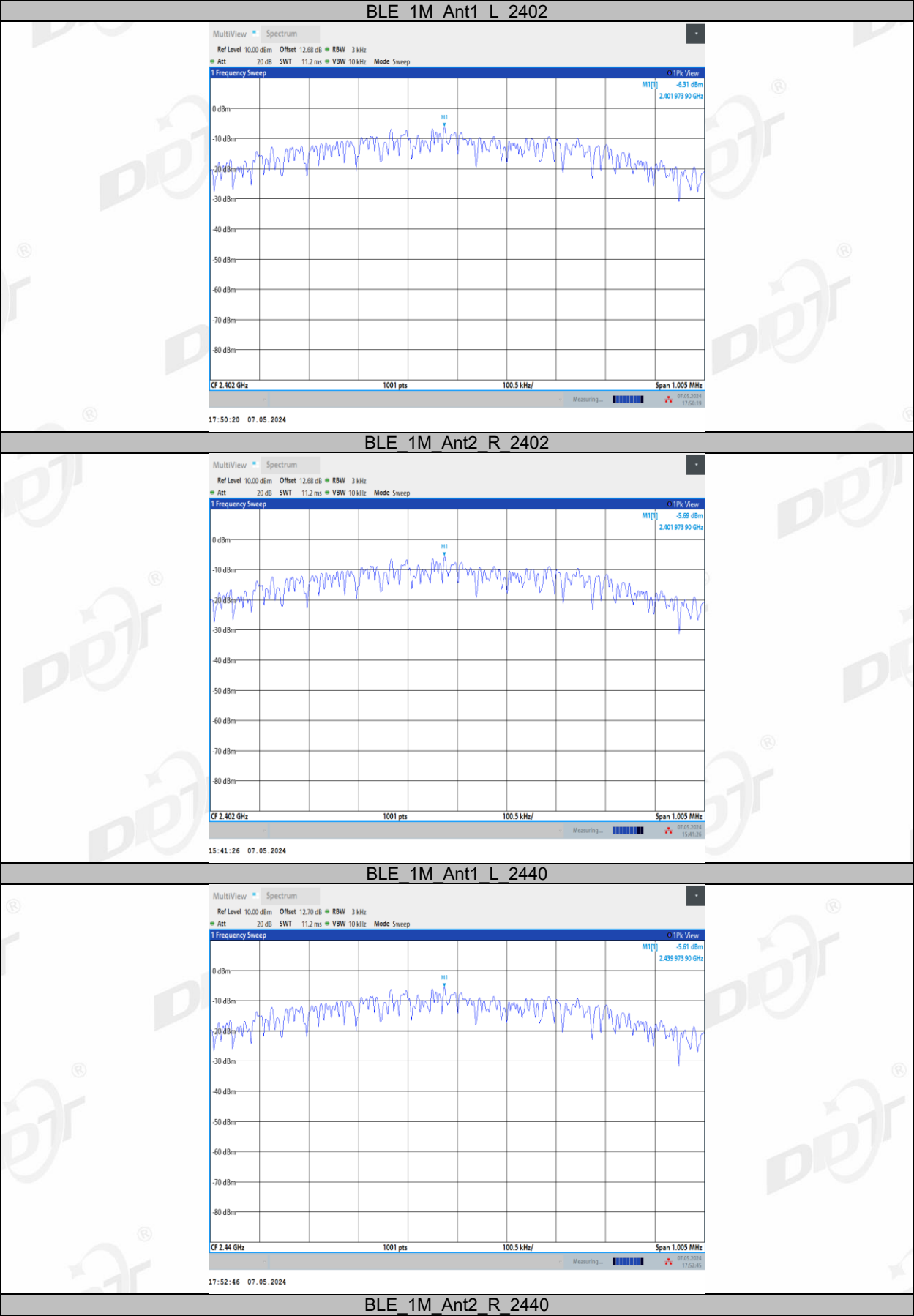
Center frequency	DTS Channel center frequency
RBW:	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW:	$\geq 3\text{RBW}$
Span	1.5 times the DTS bandwidth
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold
 - (5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.
- If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

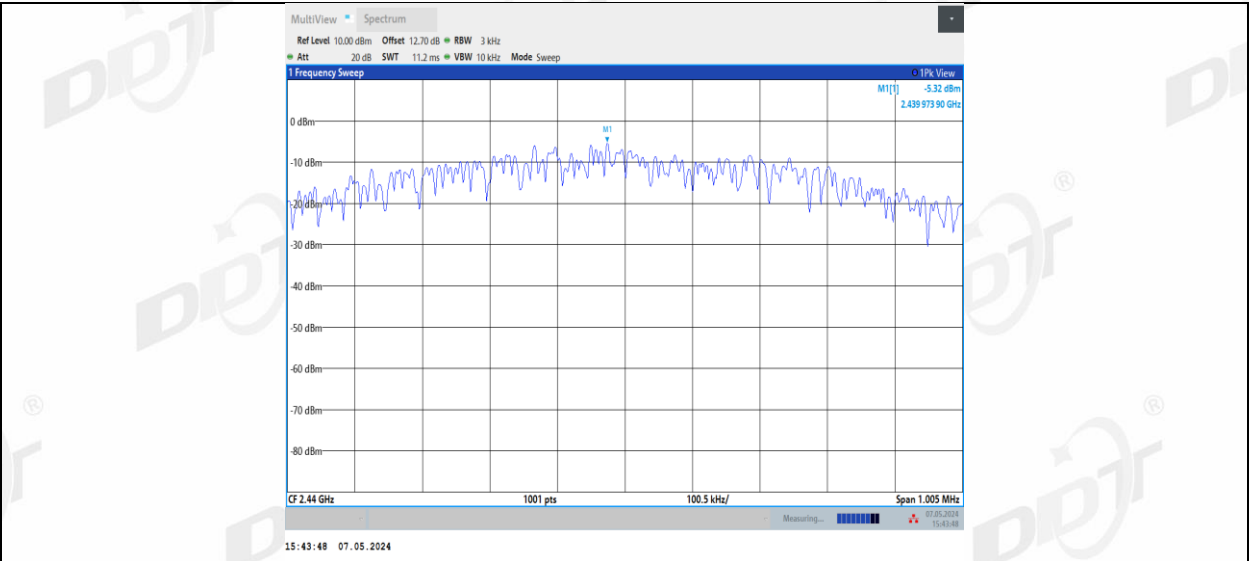
7.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.6℃,56.2%RH	Test Date:	2024.05.07
Test Power Supply:	Battery	Sample Number:	S24031401-001

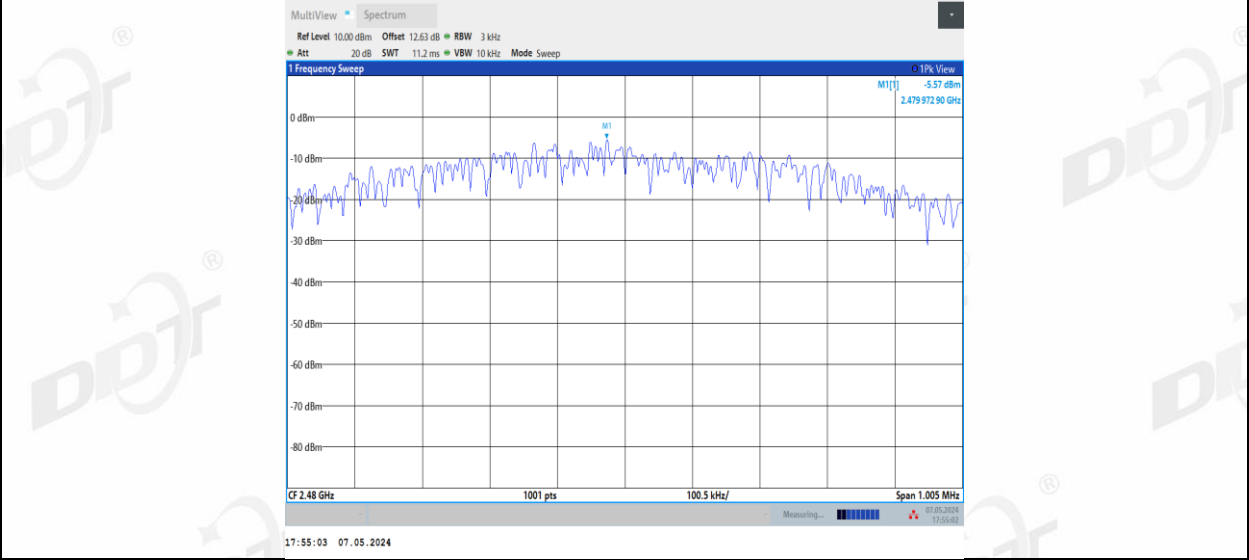
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1_L	2402	-6.31	≤8.00	PASS
	Ant2_R	2402	-5.69	≤8.00	PASS
	Ant1_L	2440	-5.61	≤8.00	PASS
	Ant2_R	2440	-5.32	≤8.00	PASS
	Ant1_L	2480	-5.57	≤8.00	PASS
	Ant2_R	2480	-5.13	≤8.00	PASS
BLE_2M	Ant1_L	2404	-8.67	≤8.00	PASS
	Ant2_R	2404	-8.22	≤8.00	PASS
	Ant1_L	2440	-7.94	≤8.00	PASS
	Ant2_R	2440	-7.68	≤8.00	PASS
	Ant1_L	2478	-7.91	≤8.00	PASS
	Ant2_R	2478	-7.61	≤8.00	PASS

7.5. Test graphs

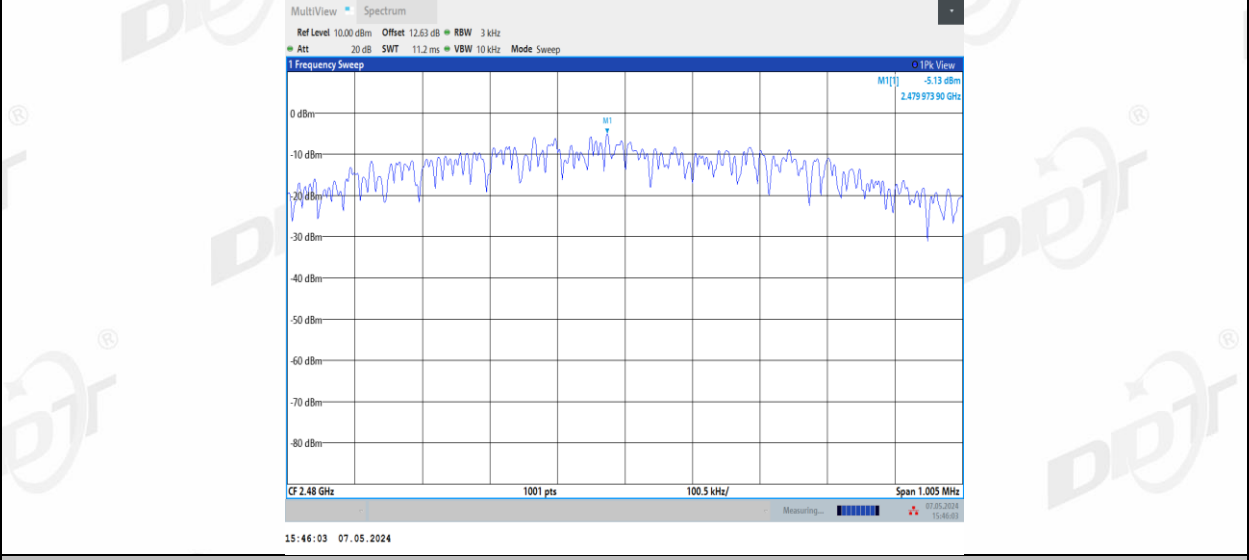




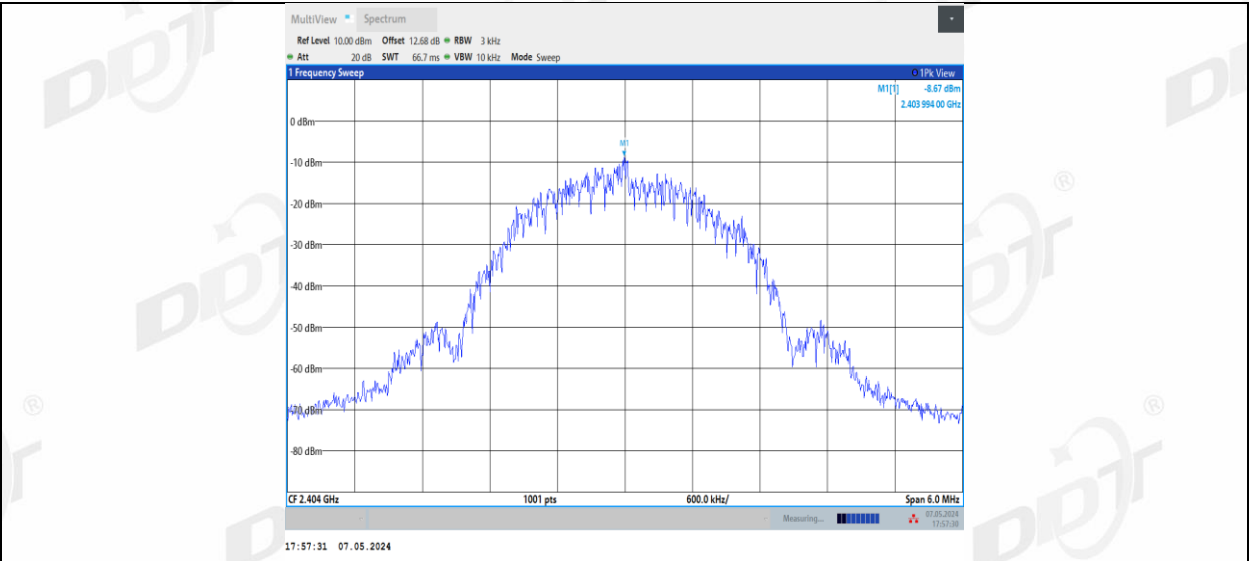
BLE_1M_Ant1_L_2480



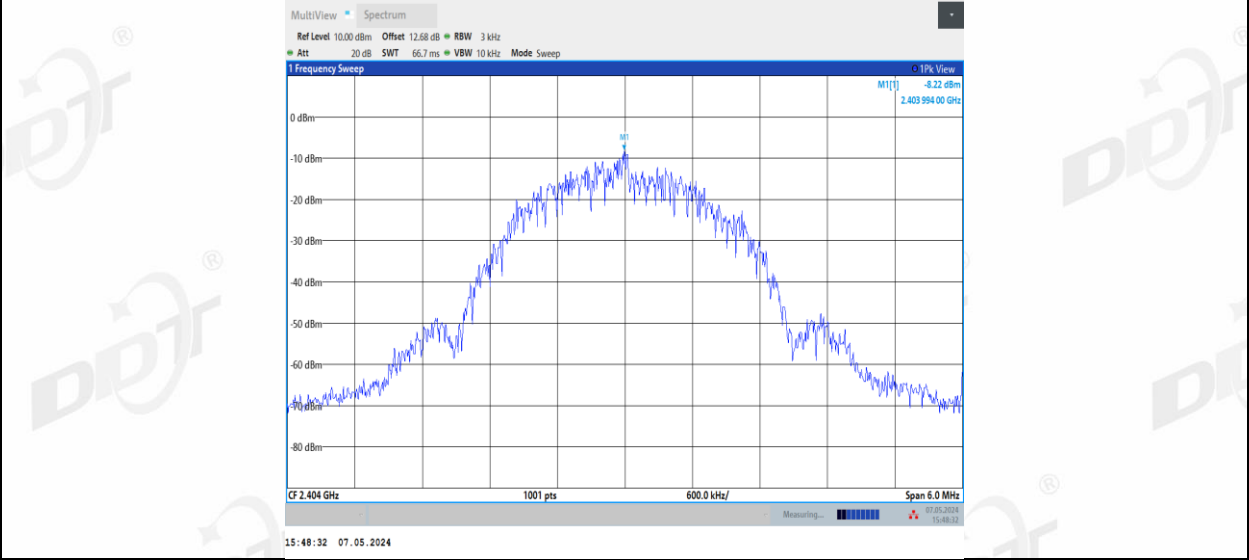
BLE_1M_Ant2_R_2480



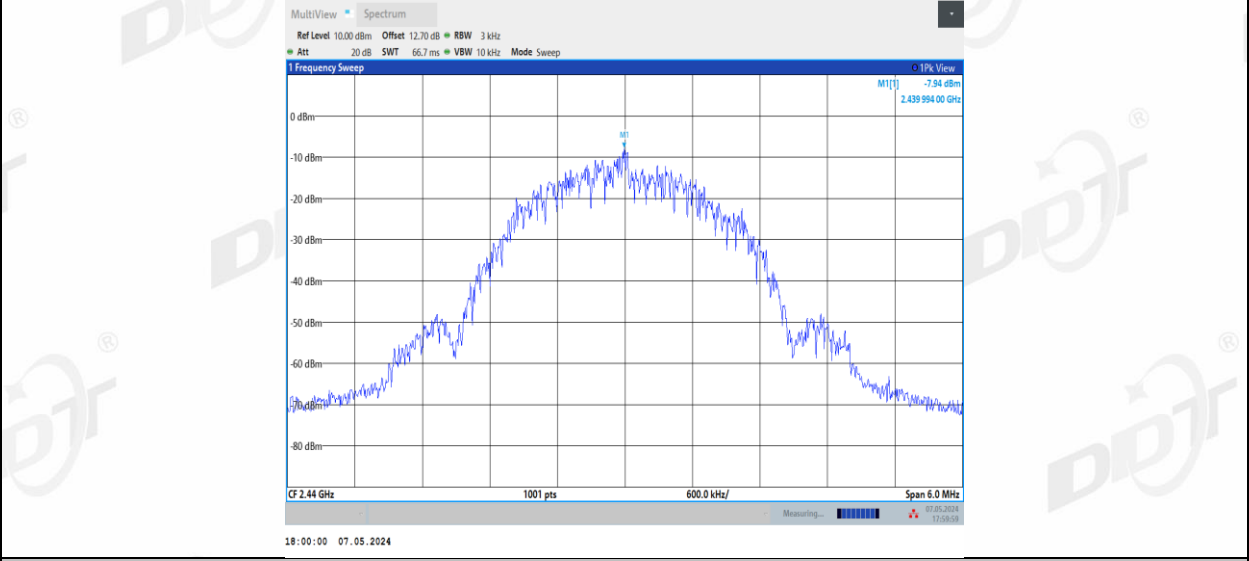
BLE_2M_Ant1_L_2404



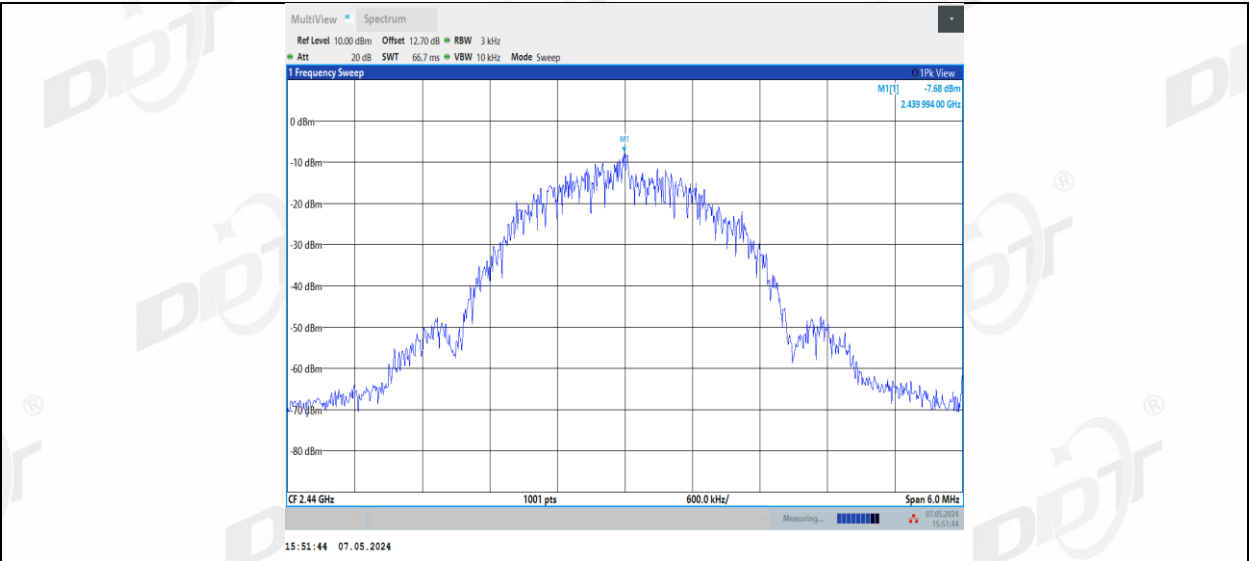
BLE_2M_Ant2_R_2404



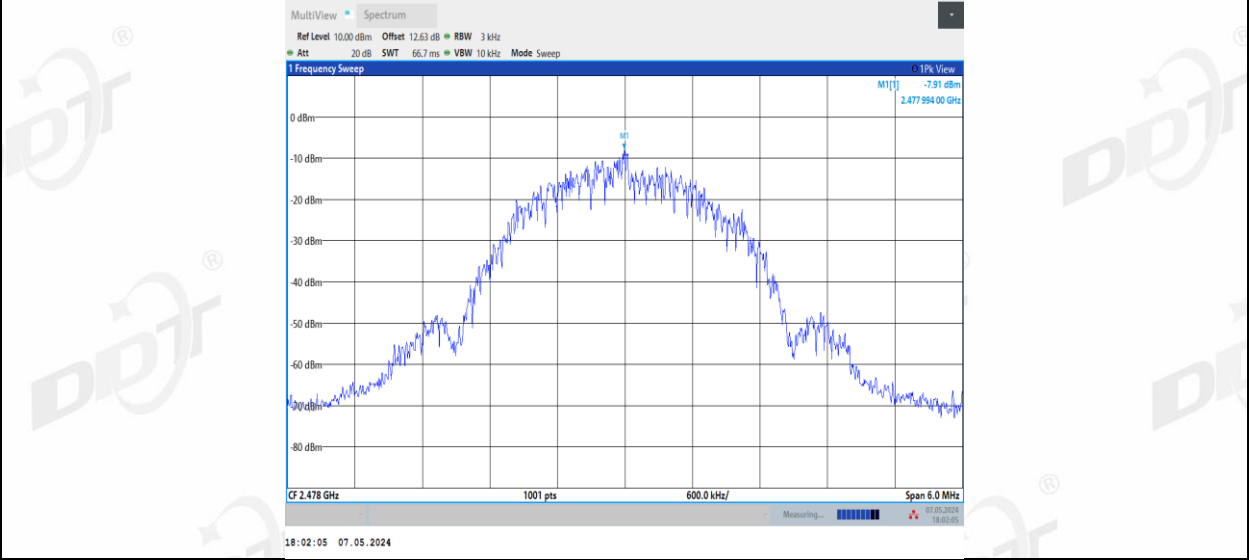
BLE_2M_Ant1_L_2440



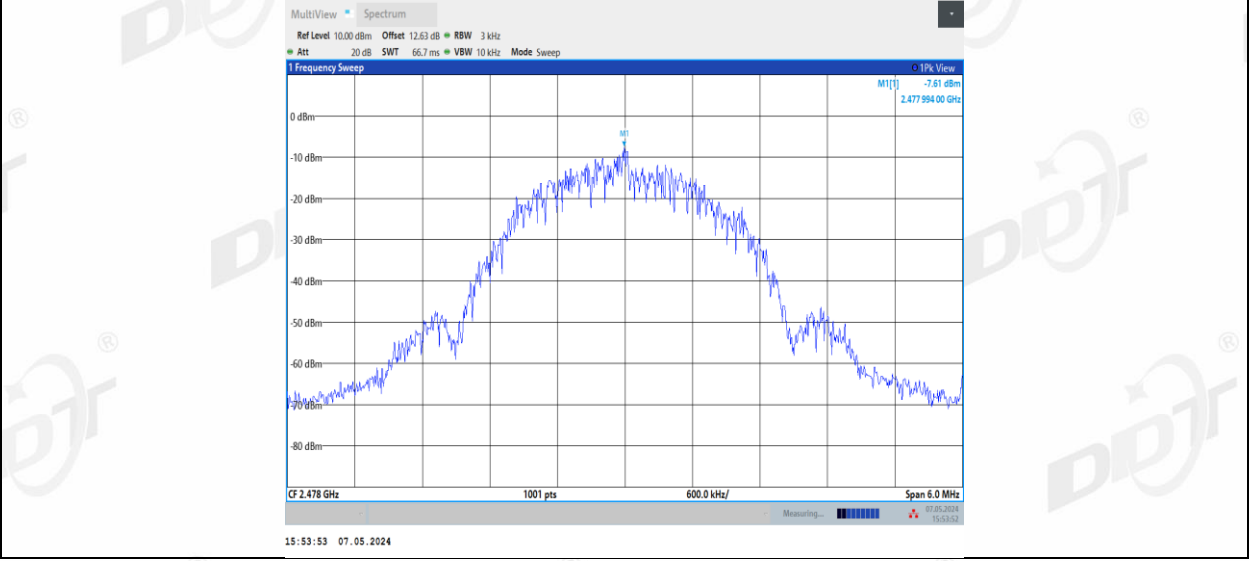
BLE_2M_Ant2_R_2440



BLE_2M_Ant1_L_2478

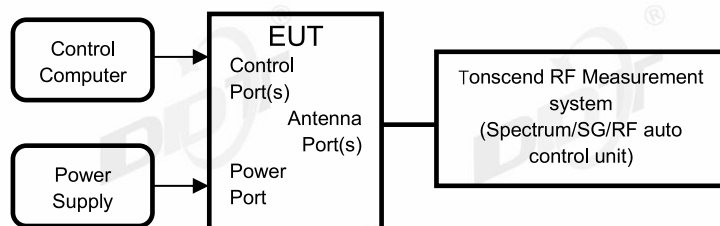


BLE_2M_Ant2_R_2478



8. Band Edge Compliance (Conducted Method)

8.1. Block diagram of test setup



8.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

8.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Establish a reference level by using the following procedure:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold
- (3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.
- (4) Then mark the maximum amplitude of all unwanted emissions outside of the authorized frequency band.

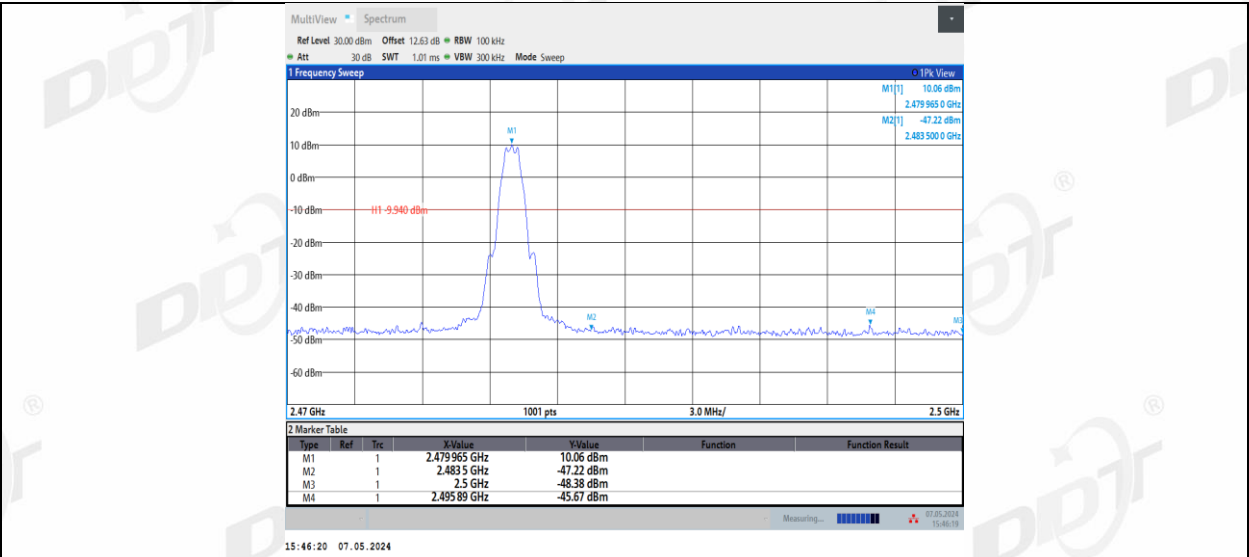
8.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.6℃,56.2%RH	Test Date:	2024.05.07
Test Power Supply:	Battery	Sample Number:	S24031401-001

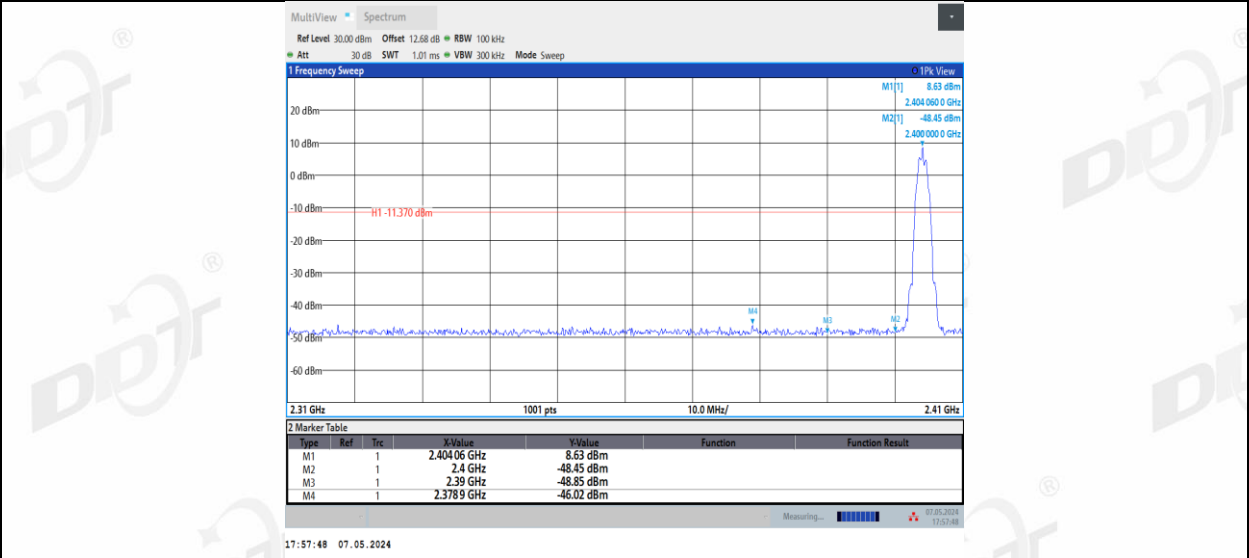
EUT Set Mode	CH or Frequency	Measured Range	Verdict
GFSK 1M	2402	2.310 GHz - 2.410 GHz	Pass
	2480	2.470 GHz - 2.500 GHz	Pass
GFSK 2M	2404	2.310 GHz - 2.410 GHz	Pass
	2478	2.470 GHz - 2.500 GHz	Pass

8.5. Test graphs

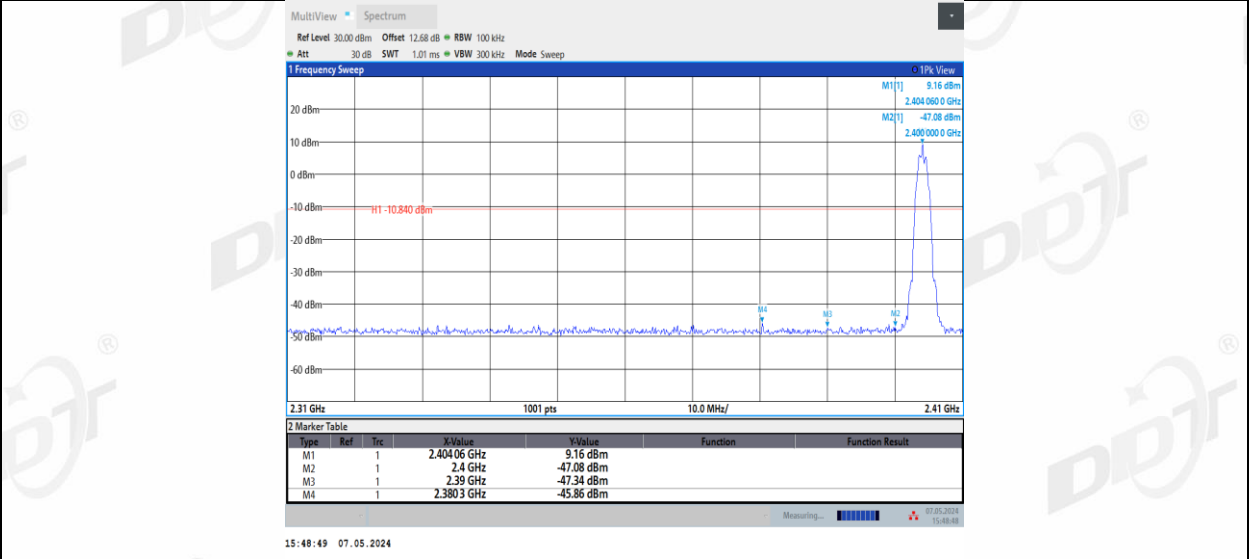




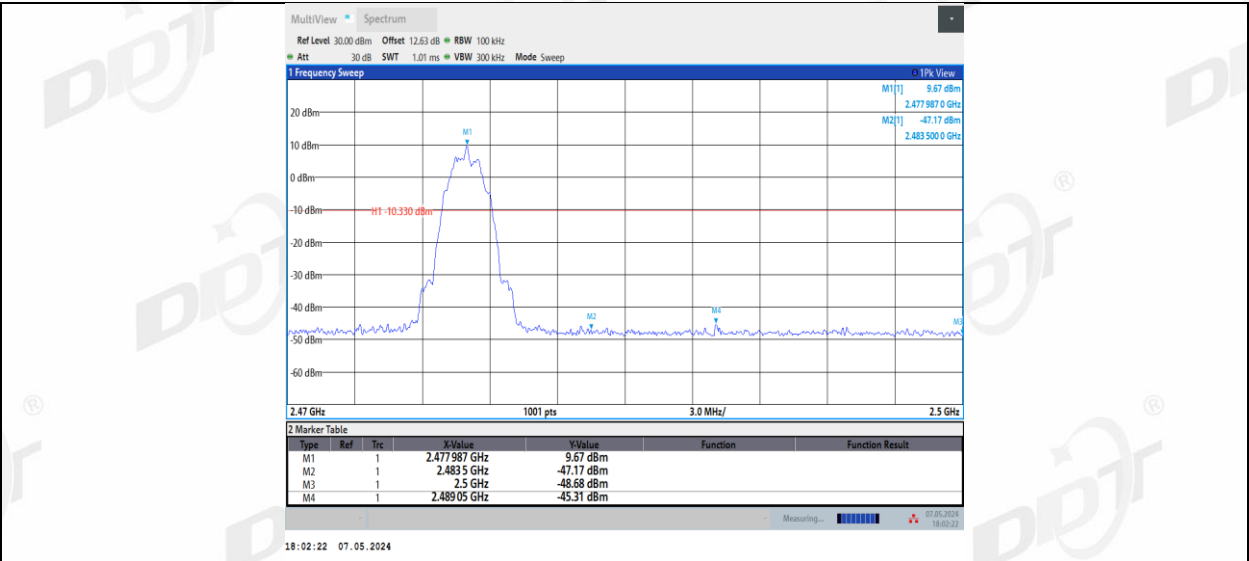
BLE 2M Ant1_L_Low 2404



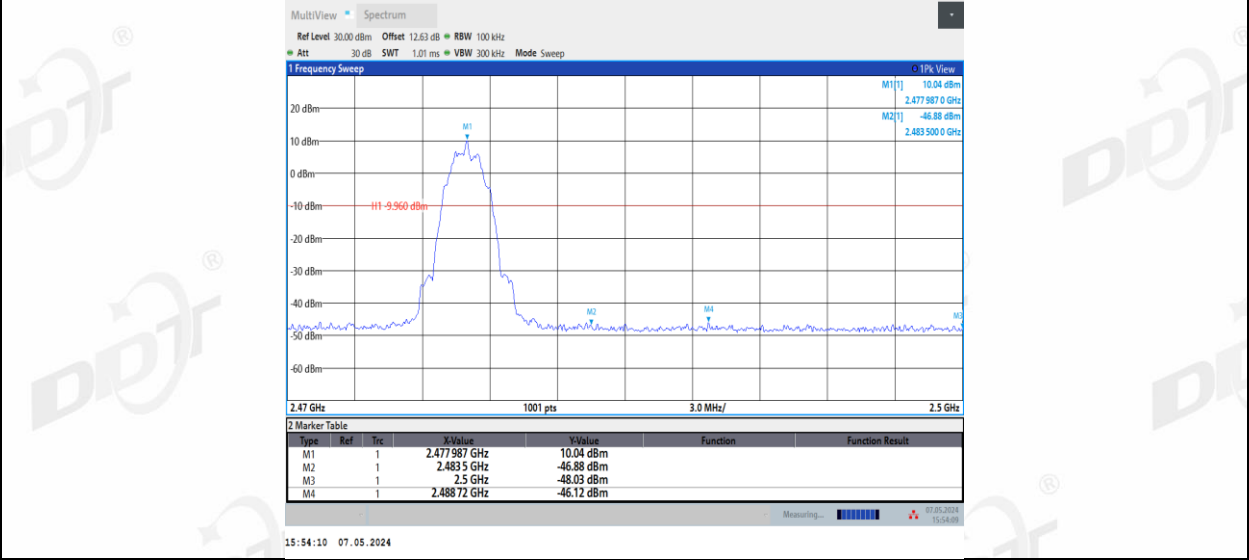
BLE 2M Ant2_R_Low 2404



BLE 2M Ant1_L_High 2478

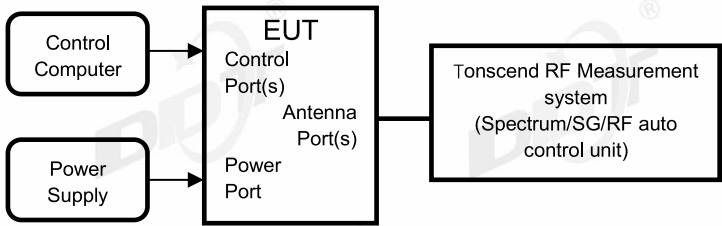


BLE_2M_Ant2_R_High_2478



9. RF Conducted Spurious Emissions

9.1. Block diagram of test setup



9.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

9.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Establish a reference level by using the following procedure:

Center frequency	Test frequency
RBW:	100 kHz
VBW:	300 kHz
Span	Wide enough to capture the peak level of the in-band emission
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold
- (3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.
- (4) Set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Number of measurement points	$\geq \text{Span}/\text{RBW}$
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold

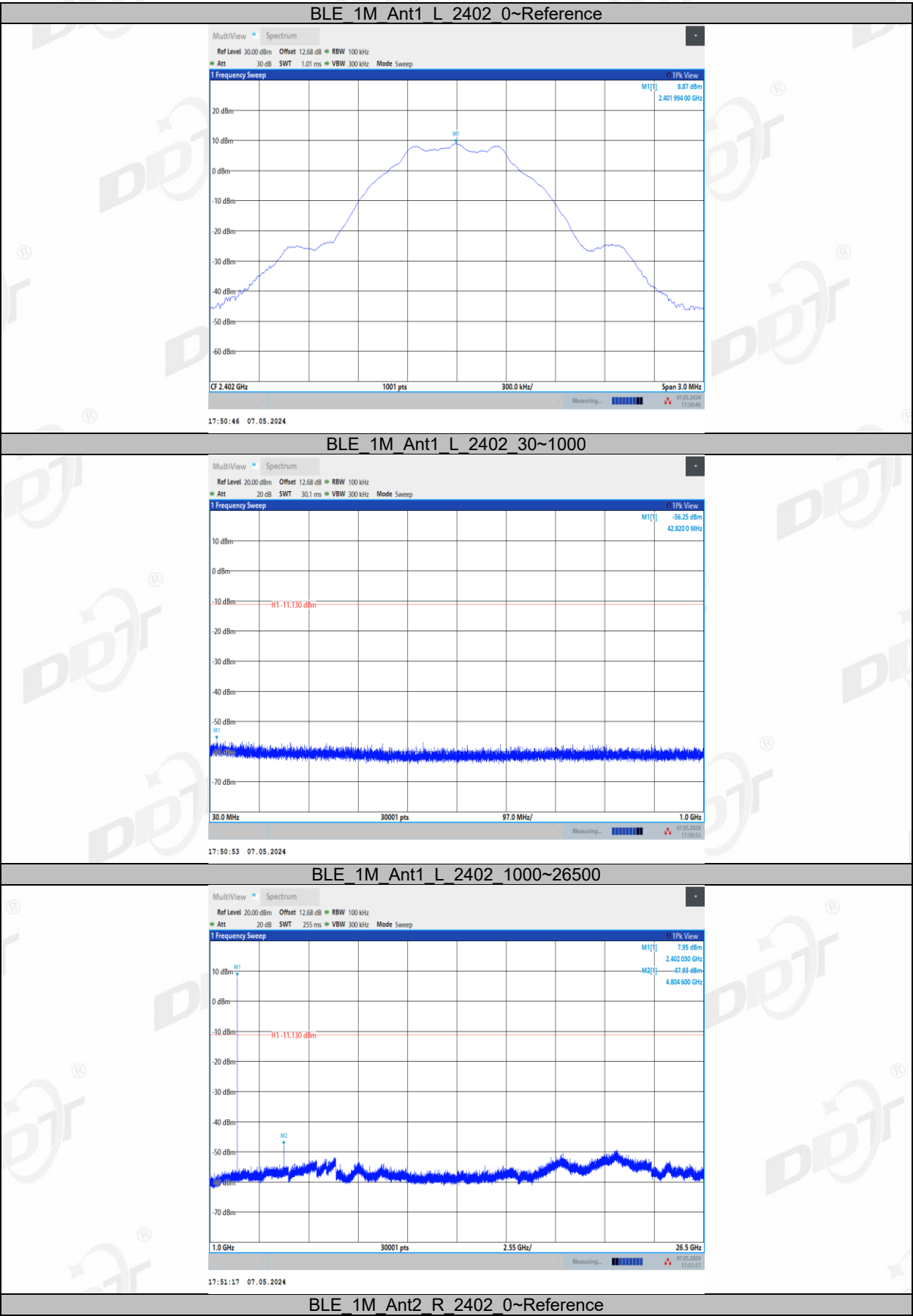
Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

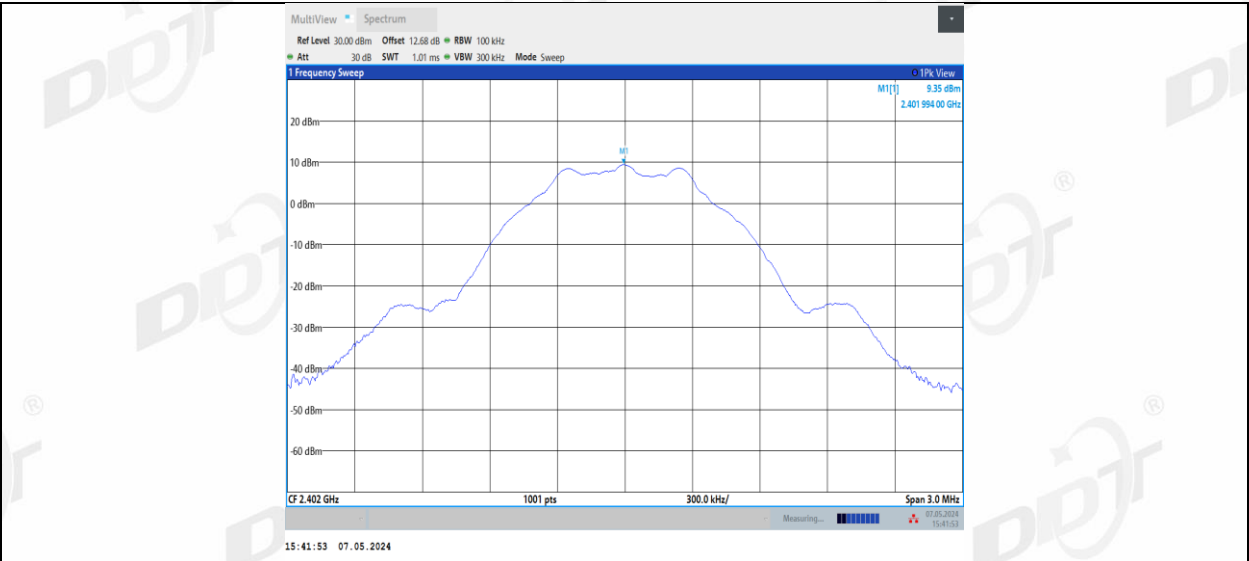
9.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.6℃,56.2%RH	Test Date:	2024.05.07
Test Power Supply:	Battery	Sample Number:	S24031401-001

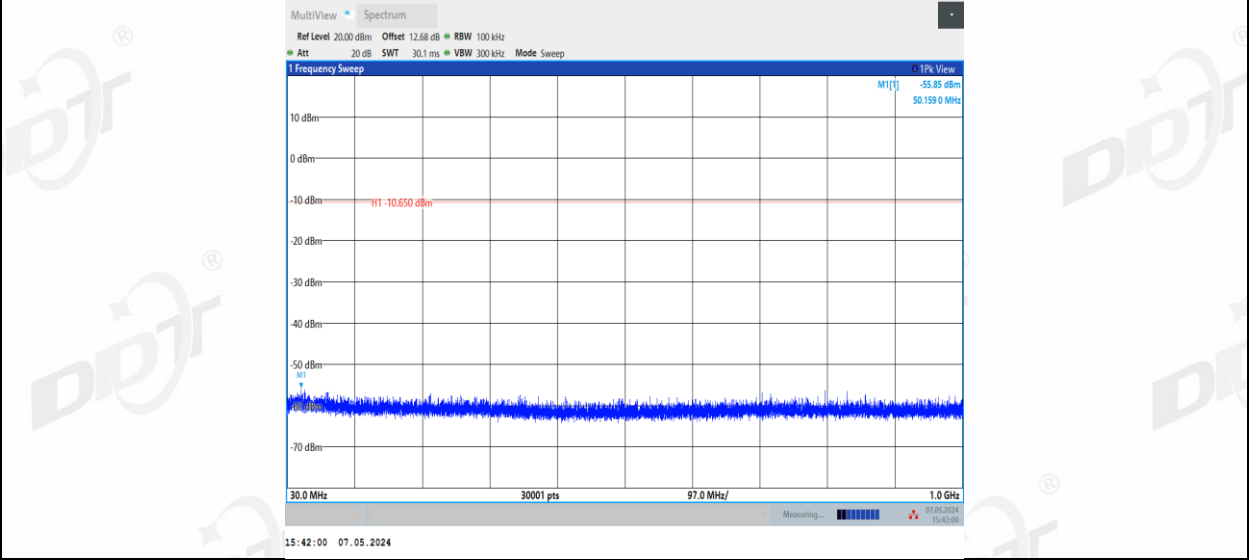
Mode	Freq. (MHz)	Verdict
GFSK 1M	2402	Pass
	2440	Pass
	2480	Pass
GFSK 2M	2404	Pass
	2440	Pass
	2478	Pass

9.5. Test graphs

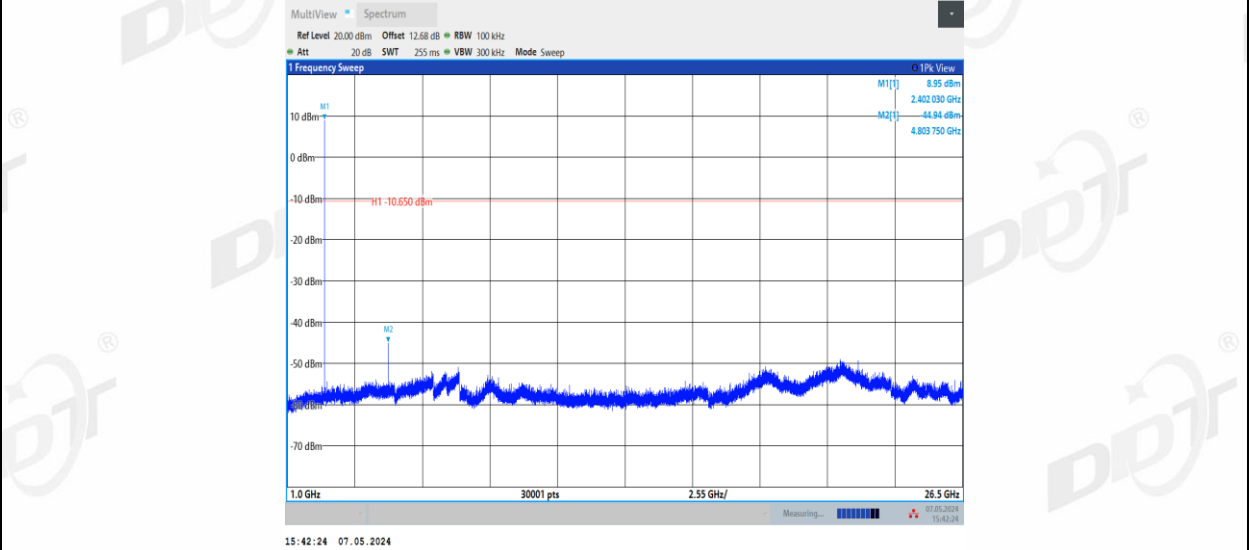




BLE_1M_Ant2_R_2402_30~1000



BLE_1M_Ant2_R_2402_1000~26500



BLE_1M_Ant1_L_2440_0~Reference