



RADIO TEST REPORT

Applicant	:	Globe Electric Company Inc.
Address of Applicant	:	150 Avenue Oneida, Montreal, QC H9R 1A8, Canada
Manufacturer	:	Globe Electric Company Inc.
Address of Manufacturer	:	150 Avenue Oneida, Montreal, QC H9R 1A8, Canada
Equipment under Test	:	Ceiling Fan
Model No.	:	GL37000067
HVIN	:	GL37055
FCC ID	:	2AQUQGL37055
IC	:	8290A-GL37055
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, ANSI C63.10-2020+Cor.1-2023, RSS-247 Issue 4 July 24, 2025, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021), ANSI C63.10-2020+Cor.1-2023+C63.10a- 2024+Errata to C63.10a-2024
Report No.	:	DDT-RE26081202-2E02
Issue Date	:	2026/09/30
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

Applicant	:	Globe Electric Company Inc.
Address of Applicant	:	150 Avenue Oneida, Montreal, QC H9R 1A8, Canada
Equipment under Test	:	Ceiling Fan
Model No.	:	GL37000067
HVIN	:	GL37055
Manufacturer	:	Globe Electric Company Inc.
Address of Manufacturer	:	150 Avenue Oneida, Montreal, QC H9R 1A8, Canada

Test Standard Used:
FCC Rules and Regulations Part 15 Subpart C,
ANSI C63.10-2020+Cor.1-2023,
RSS-247 Issue 4 July 24, 2025,
RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021),
ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024

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-RE26081202-2E02		
Date of Receipt:	2026/08/14	Date of Test:	2026/08/14 - 2026/09/04

Created: Zeng Zhongyao	Reviewed: Zoe Peng	Approved: Ella Gong
		
2026/09/04	2026/09/30	2026/09/30

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

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2026/09/30	Ella Gong

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6 dB Bandwidth and 99% Bandwidth	47 CFR Part 15 15.247(a)(2), RSS-247 clause 6.3.1(a), RSS-Gen clause 6.7	/	Pass
2	Peak Output Power	47 CFR Part 15 15.247(b)(3), RSS-247 clause 6.3.2	/	Pass
3	Power Spectral Density	47 CFR Part 15 15.247(e), RSS-247 clause 6.3.1(b)	/	Pass
4	RF Conducted Spurious Emissions	47 CFR Part 15 15.247(d), RSS-247 clause 6.6	/	Pass
5	Radiated Emission	47 CFR Part 15 15.205, 47 CFR Part 15 15.209, 47 CFR Part 15 15.247(d), RSS-247 clause 6.6, RSS-Gen clause 8.9, RSS-Gen clause 8.10	/	Pass
6	Band Edge Compliance	47 CFR Part 15 15.205, 47 CFR Part 15 15.209, 47 CFR Part 15 15.247(d), RSS-247 clause 6.6, RSS-Gen clause 8.9, RSS-Gen clause 8.10	/	Pass
7	Antenna Requirement	47 CFR Part 15 15.203, RSS-Gen clause 6.8	/	Pass
8	Power Line Conducted Emissions	47 CFR Part 15 15.207(a), RSS-Gen clause 8.8	/	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	:	Ceiling Fan
Model Number	:	GL37000067
HVIN	:	GL37055
Difference of model number	:	/
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	AC 120V/60Hz
Hardware Version	:	1.0.0
Software Version	:	1.1.20
Antenna Type	:	PCB antenna
Max Antenna Gain(dBi)	:	-0.23

Radio Technology	:	IEEE 802.11b/g/n
Operation frequency	:	IEEE 802.11b: 2412MHz to 2462MHz IEEE 802.11g: 2412MHz to 2462MHz IEEE 802.11n HT20: 2412MHz to 2462MHz
Modulation	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)

Channel information					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
1	2412	5	2432	9	2452
2	2417	6	2437	10	2457
3	2422	7	2442	11	2462
4	2427	8	2447	/	/

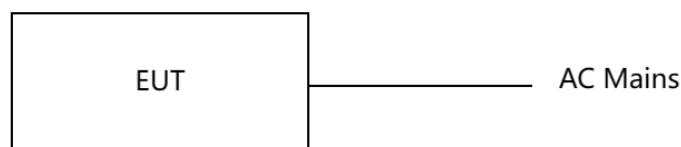
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's 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: Wifi_Test_Tool_V1.7.4

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, Tx Power Setting, Data rate, Channel, and Frequency				
Tested mode	Tx Power Setting	Data rate (Mbps) (see Note)	Test Channel	Frequency (MHz)
	ANT1			
IEEE 802.11b	80	1	LCH: CH1	2412
	80	1	MCH: CH6	2437
	80	1	HCH: CH11	2462
IEEE 802.11g	85	6	LCH: CH1	2412
	85	6	MCH: CH6	2437
	85	6	HCH: CH11	2462
IEEE 802.11n HT20	75	MCS 0	LCH: CH1	2412
	75	MCS 0	MCH: CH6	2437
	75	MCS 0	HCH: CH11	2462
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.				

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 to106 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-20240, G-20118

2.8. Measurement uncertainty

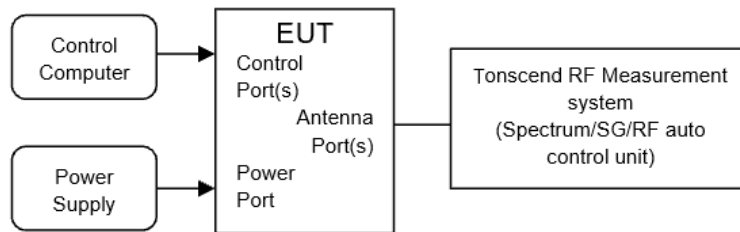
Test Item	Uncertainty
Bandwidth	1.9%
Peak Output Power (Conducted) (Spectrum analyzer)	0.98 dB
Peak Output Power (Conducted) (Power Sensor)	1.18 dB
Power Spectral Density (Base EIRP)	1.51 dB
Power Spectral Density (Spectrum analyzer)	0.98 dB
Frequencies Stability	1.9 kHz
Conducted spurious emissions	1.21 dB ($9\text{ kHz} \leq f < 7\text{ GHz}$);
	3.31 dB ($7\text{ GHz} \leq f < 40\text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	5.5×10^{-8}
Time	0.11%
Temperature	0.3 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.28 dB (Antenna Polarize: V)
	4.14 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.22 dB (1 - 6 GHz)
	4.52 dB (6 GHz - 18 GHz)
	4.58 dB (18 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.32dB (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 3#)				
SIGNAL ANALYZER	R&S	FSV40	101407	2027/07/10
Wideband Radio Communication Tester	R&S	CMW500	120259	2027/07/10
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY62153058	2027/06/21
MXG Vector Signal Generator	Agilent	N5182A	MY48180912	2027/02/27
RF Control Unit	Tonscend	JS0806-2	20C8060230	2027/03/17
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2027/02/27
Test Software	Tonscend	JS1120-3	V3.6.21	N/A

4. 6dB 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 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

Allow the trace to stabilize, measure the 6 dB bandwidth of signal, and record the results in the report

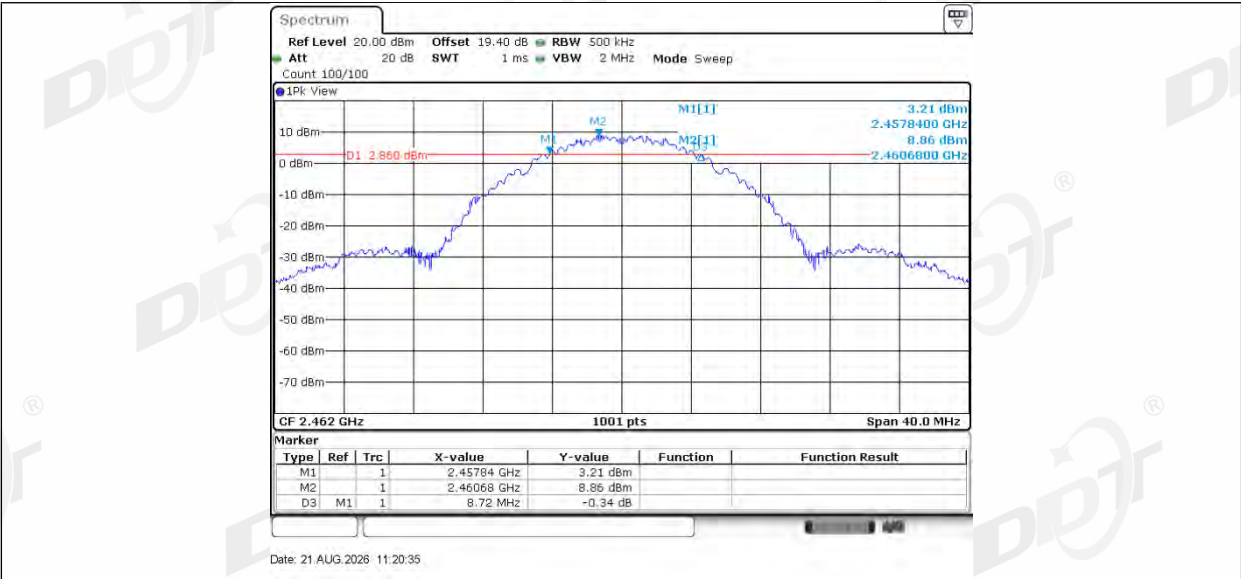
4.4. Test result

Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	24.2-25.6℃,42.5-43.1%RH	Test Date:	2026.08.20-2026.08.21
Test Power Supply:	AC 120V	Sample Number:	S26061202-003

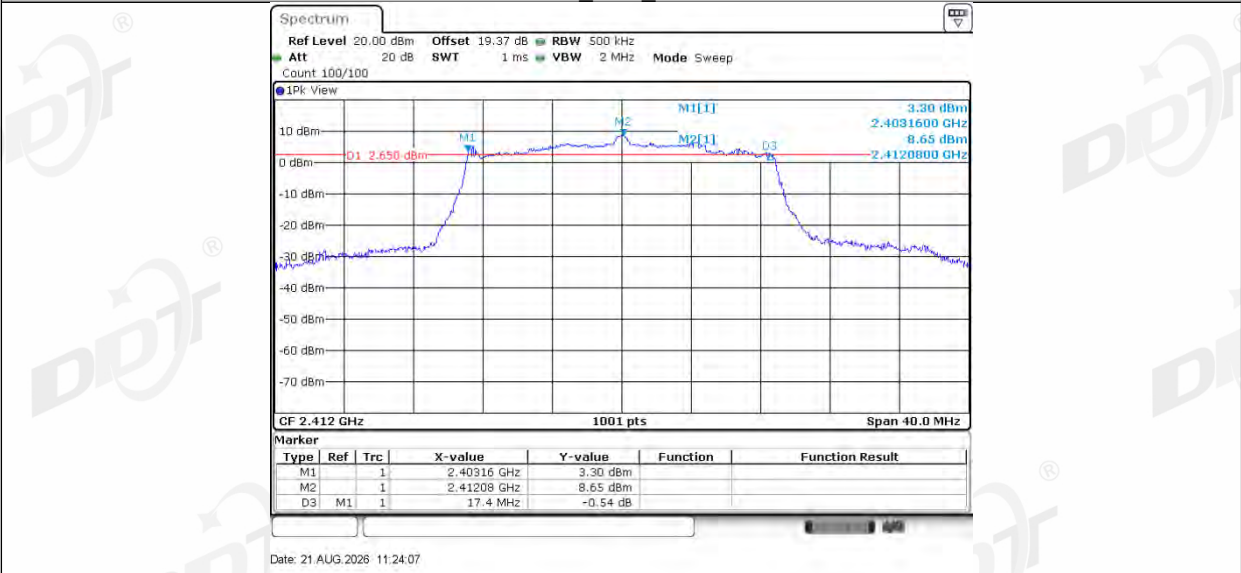
Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	8.72	2407.84	2416.56	0.5	PASS
		2437	8.68	2432.48	2441.16	0.5	PASS
		2462	8.72	2457.84	2466.56	0.5	PASS
11G	Ant1	2412	17.40	2403.16	2420.56	0.5	PASS
		2437	17.28	2428.16	2445.44	0.5	PASS
		2462	17.44	2453.16	2470.60	0.5	PASS
11N20SISO	Ant1	2412	15.28	2404.24	2419.52	0.5	PASS
		2437	15.28	2429.20	2444.48	0.5	PASS
		2462	15.24	2454.20	2469.44	0.5	PASS

4.5. Test graphs

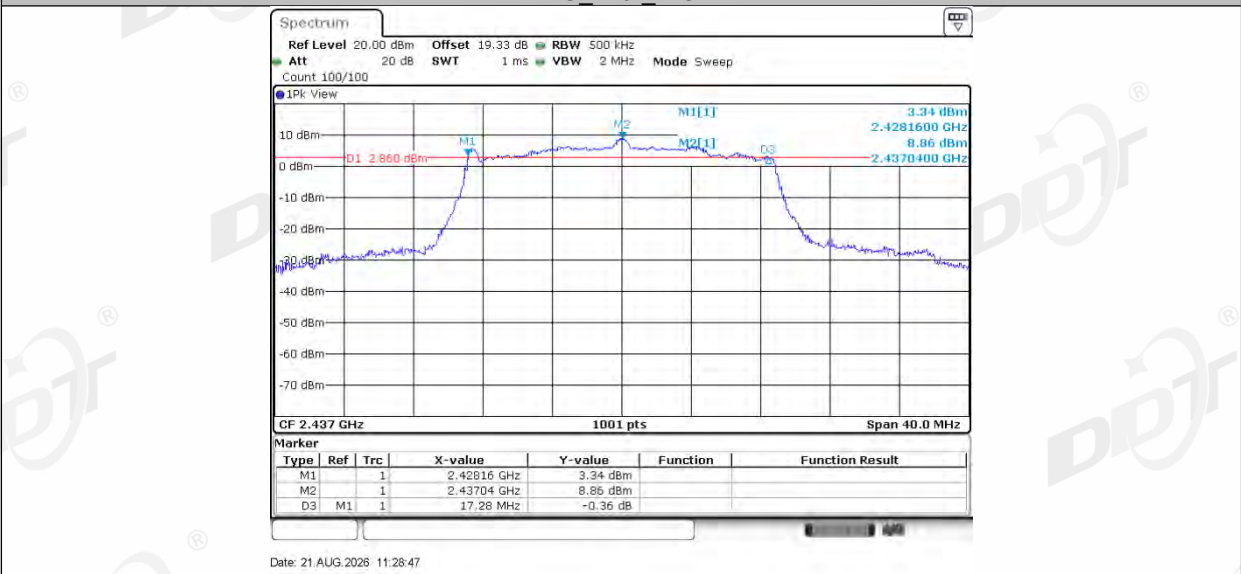




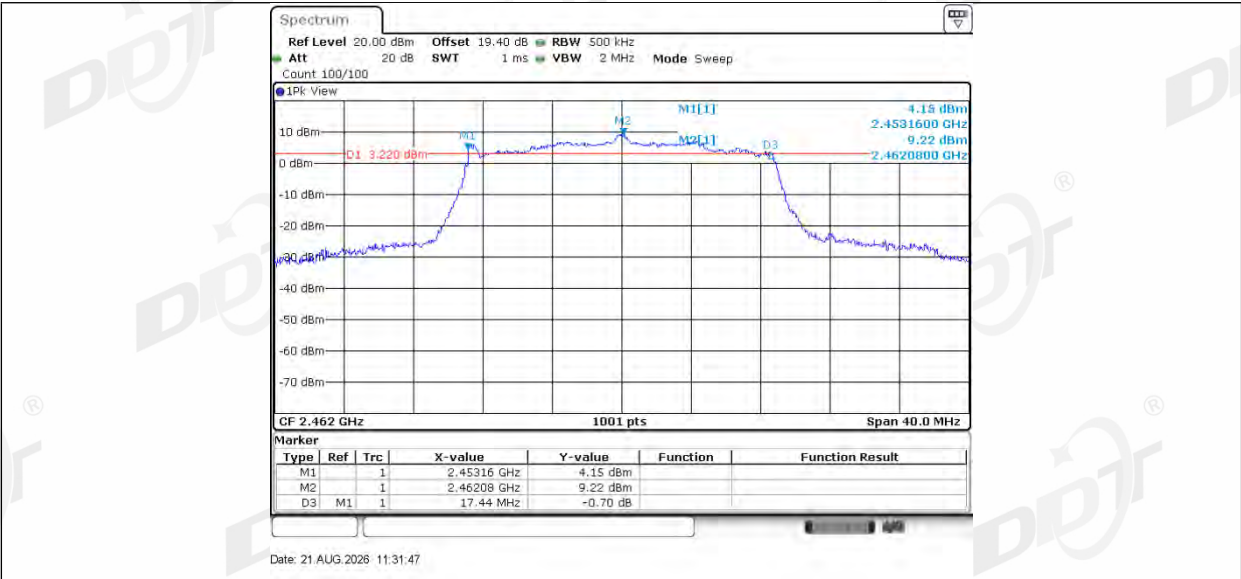
11G Ant1 2412



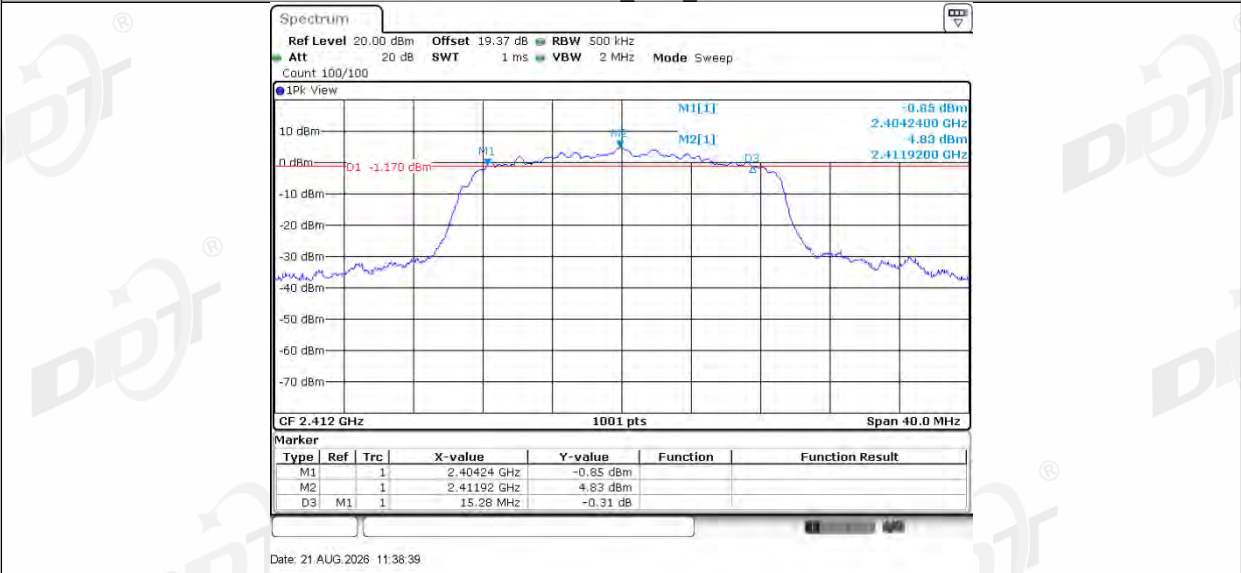
11G Ant1 2437



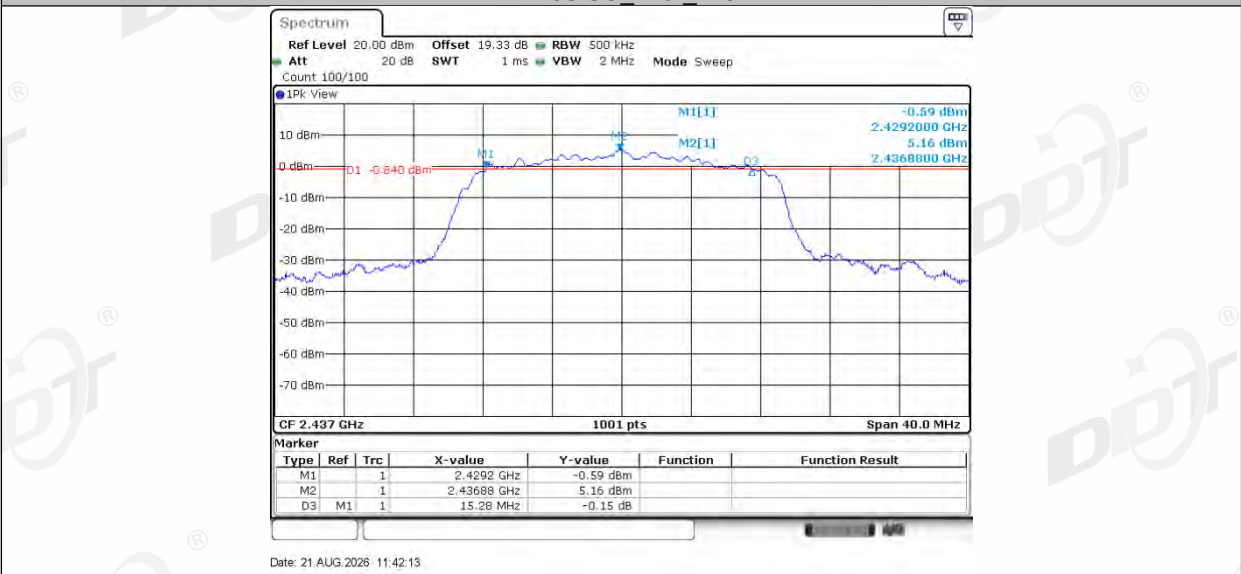
11G Ant1 2462



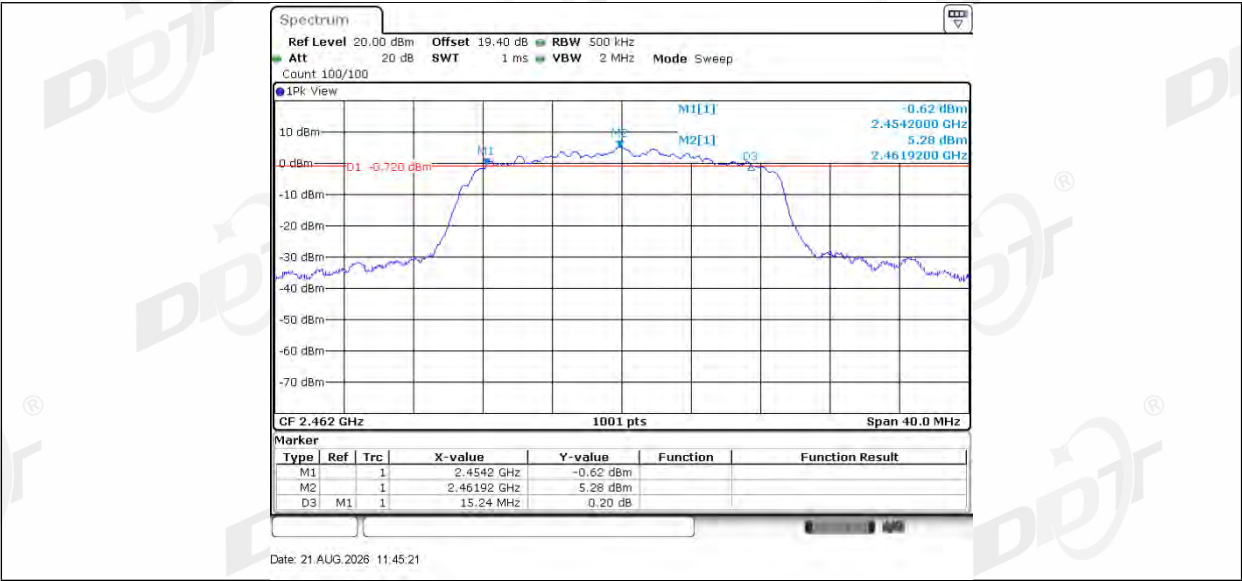
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

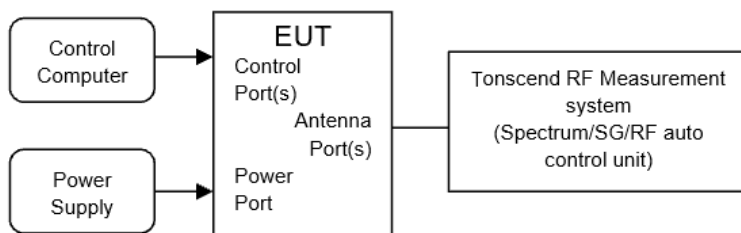


11N20SISO_Ant1_2462



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 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

Allow the trace to stabilize, measure the 99% bandwidth of signal, and record the results in the report.

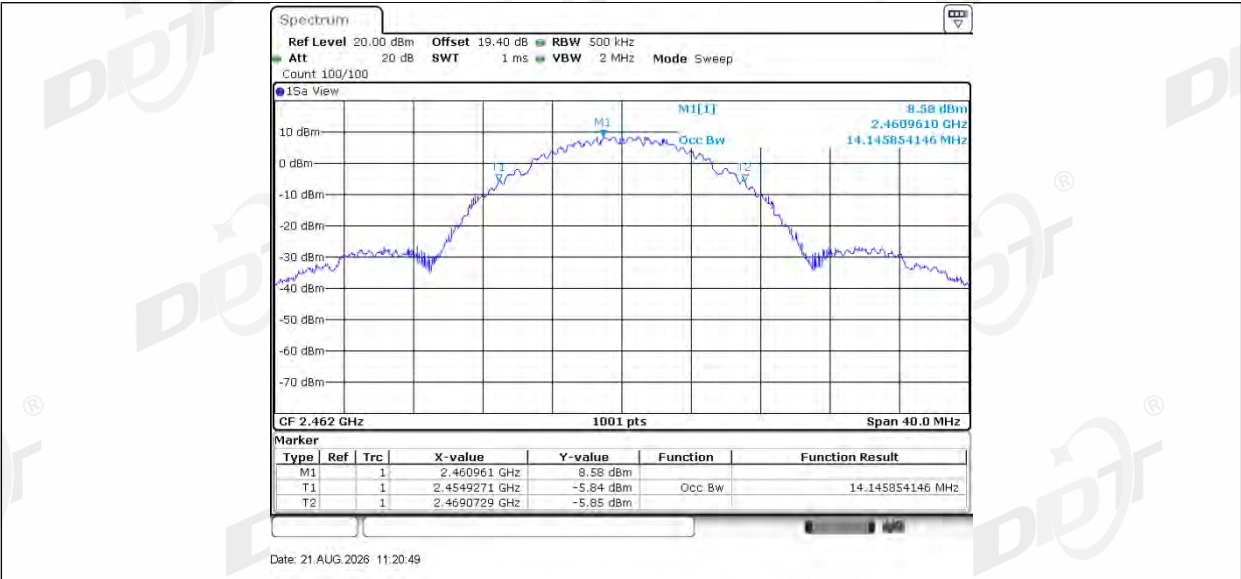
5.4. Test result

Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	24.2-25.6℃,42.5-43.1%RH	Test Date:	2026.08.20-2026.08.21
Test Power Supply:	AC 120V	Sample Number:	S26061202-003

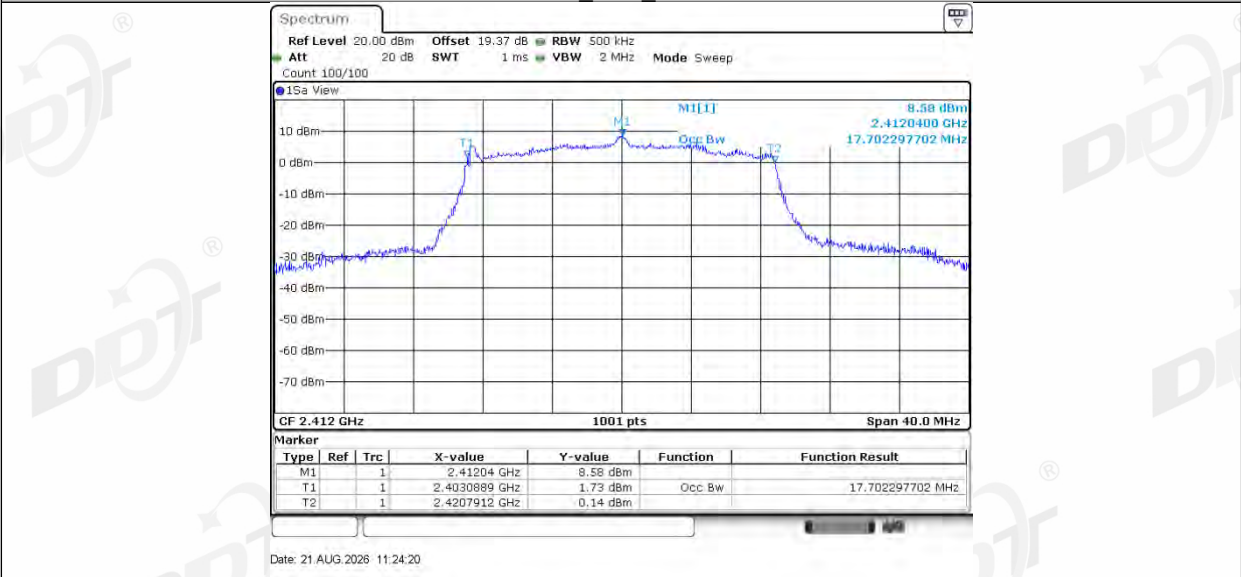
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.226	2404.8871	2419.1129	---	---
		2437	14.106	2429.9271	2444.0330	---	---
		2462	14.146	2454.9271	2469.0729	---	---
11G	Ant1	2412	17.702	2403.0889	2420.7912	---	---
		2437	17.662	2428.0889	2445.7512	---	---
		2462	17.702	2453.0889	2470.7912	---	---
11N20SISO	Ant1	2412	17.742	2403.2088	2420.9510	---	---
		2437	17.782	2428.1688	2445.9510	---	---
		2462	17.782	2453.1688	2470.9510	---	---

5.5. Test graphs

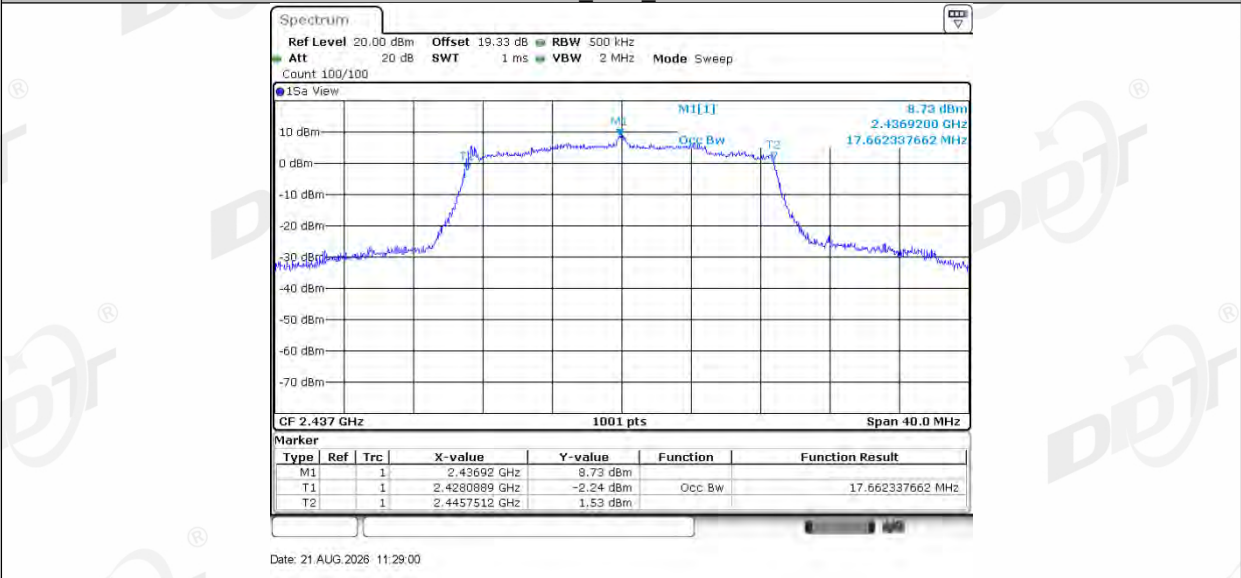




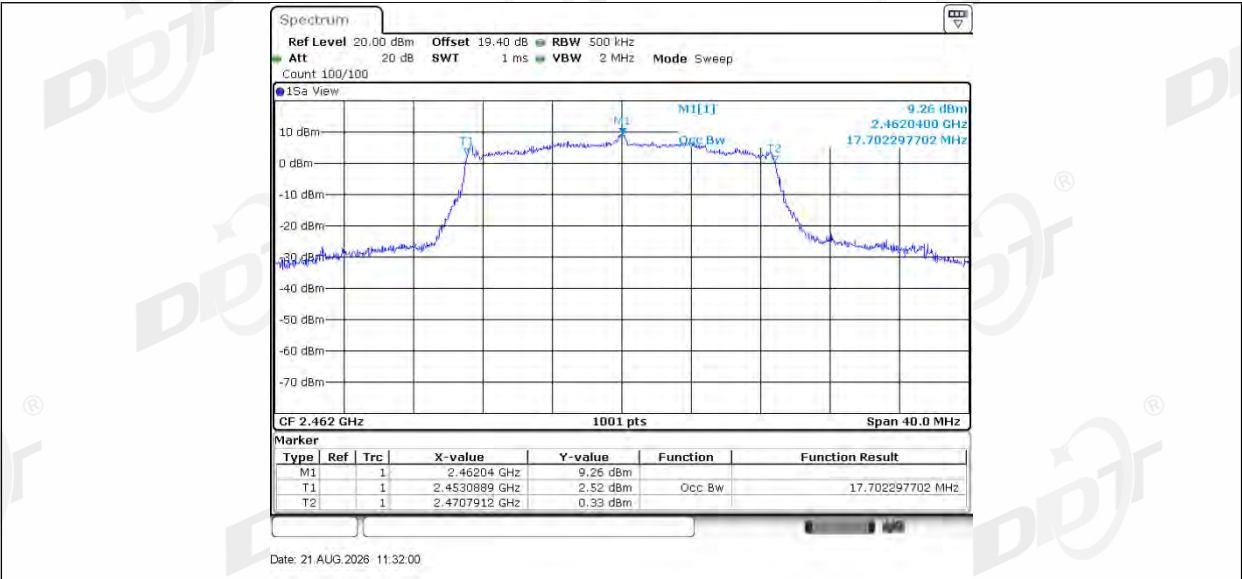
11G Ant1 2412



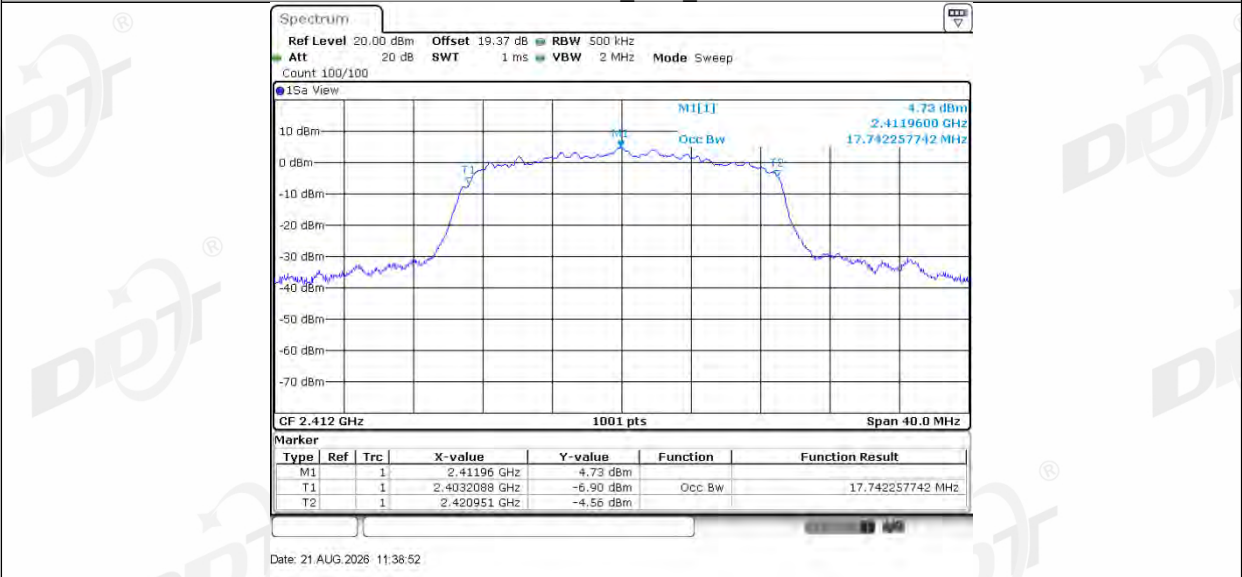
11G Ant1 2437



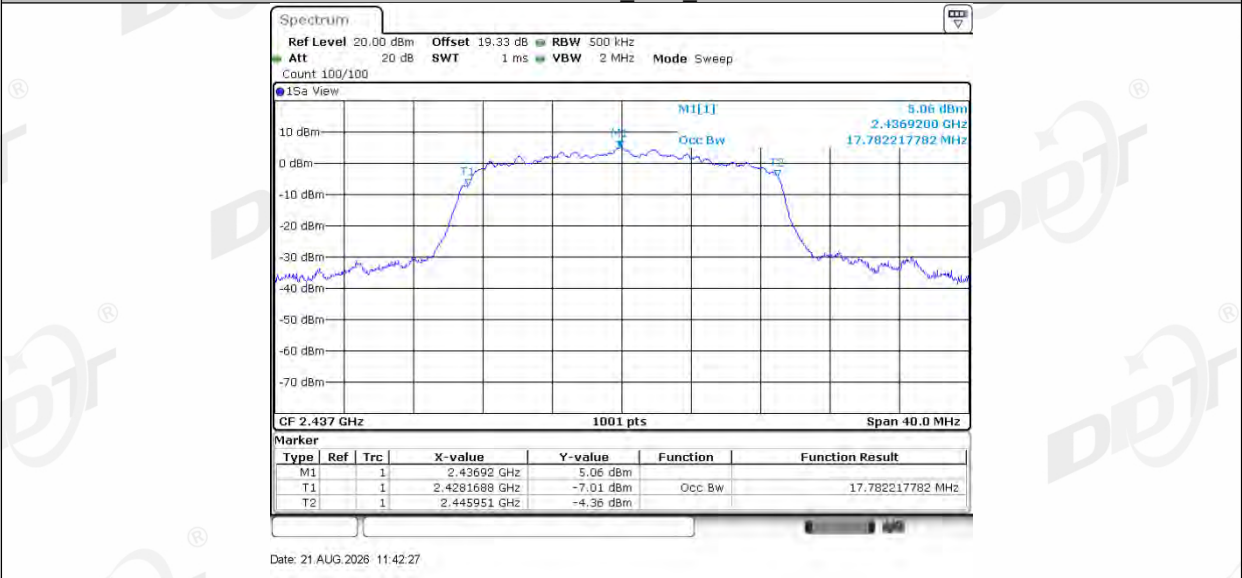
11G Ant1 2462



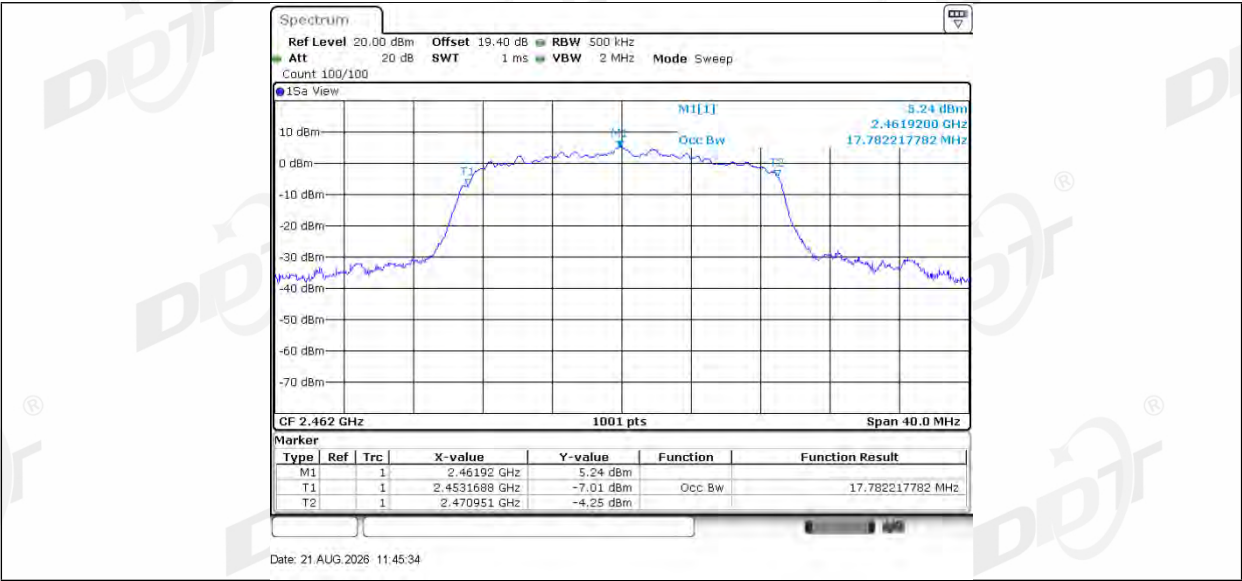
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

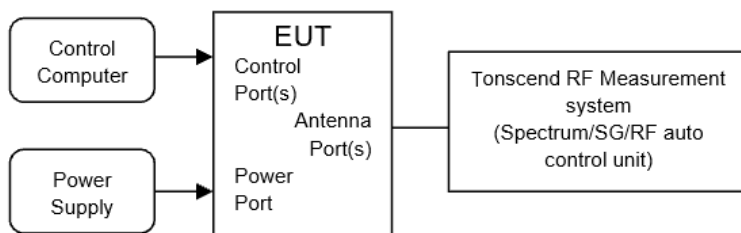


11N20SISO_Ant1_2462



6. Conducted 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 6 dBi 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.

6.3. Test procedure

- (1) The test according to ANSI C63.10 clause 11.9.2.3.
- (2) Connect EUT's antenna output to RF power meter 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, If the transmitter does not transmit continuously, measure the duty cycle, D, of the transmitter output signal.
- (4) Measure the average power of the transmitter. This measurement is an average over both the ON and OFF periods of the transmitter.
- (5) Adjust the measurement in dBm by adding $[10 \log (1 / D)]$, where D is the duty cycle.
- (6) Record the RF average power of each antenna port.

6.4. Test result average

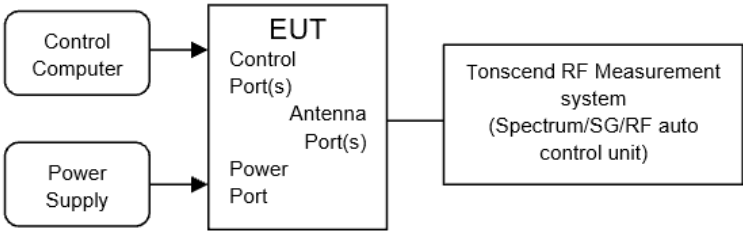
Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	24.2-25.6℃,42.5-43.1%RH	Test Date:	2026.08.20-2026.08.21
Test Power Supply:	AC 120V	Sample Number:	S26061202-003

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	16.18	98.94	0.05	16.23	≤30.00	16.00	≤36.00	PASS
		2437	16.08	98.82	0.05	16.13	≤30.00	15.90	≤36.00	PASS
		2462	16.40	98.94	0.05	16.45	≤30.00	16.22	≤36.00	PASS
11G	Ant1	2412	12.26	98.92	0.05	12.31	≤30.00	12.08	≤36.00	PASS
		2437	12.40	98.92	0.05	12.45	≤30.00	12.22	≤36.00	PASS
		2462	12.83	98.92	0.05	12.88	≤30.00	12.65	≤36.00	PASS
11N20SISO	Ant1	2412	9.60	89.47	0.48	10.08	≤30.00	9.85	≤36.00	PASS
		2437	9.85	89.47	0.48	10.33	≤30.00	10.10	≤36.00	PASS
		2462	9.88	89.47	0.48	10.36	≤30.00	10.13	≤36.00	PASS

Note: EIRP (dBm)=Conducted Output Power (dBm)+ Antenna Gain (dBi)

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 clause 11.10.5.

(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: | RMS |
| Sweep time: | auto |
| Trace mode | max hold |
| | Employ trace averaging (rms) |
| Trace | mode over a minimum of 100 traces. |

- (5) Add $[10 \log (1 / D)]$, where D is the duty cycle measured in step a), to the measured PSD to compute the average PSD during the actual transmission time.
- If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

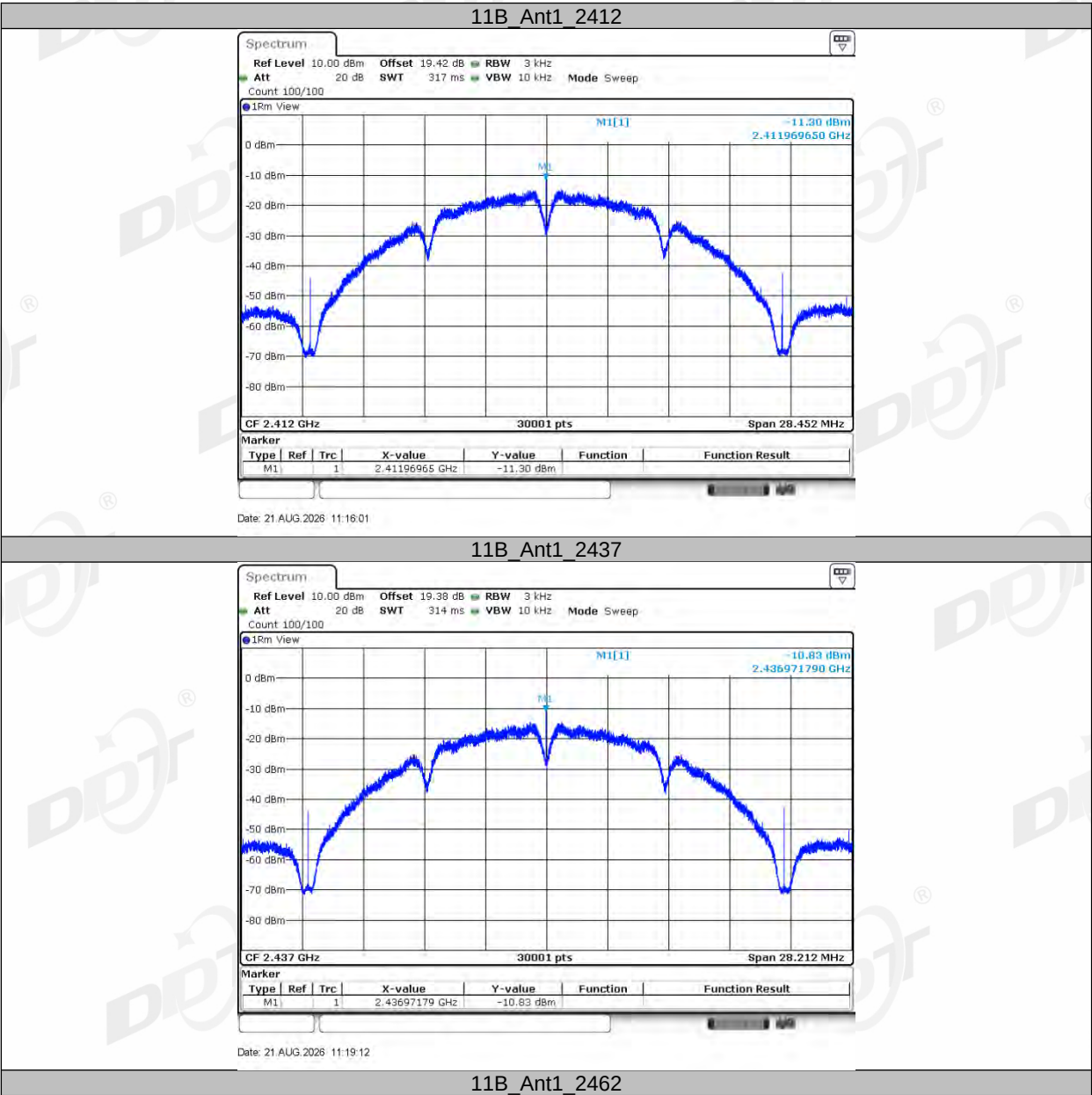
7.4. Test result

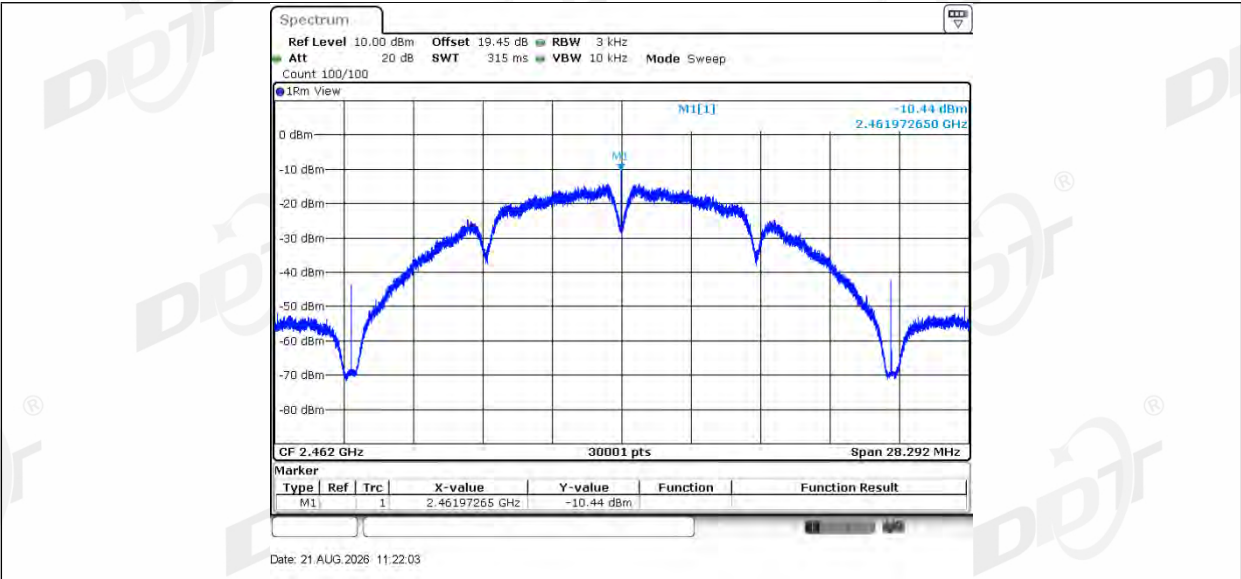
Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	24.2-25.6 °C,42.5-43.1%RH	Test Date:	2026.08.20-2026.08.21
Test Power Supply:	AC 120V	Sample Number:	S26061202-003

Test Mode	Antenna	Frequency [MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.30	≤8.00	PASS
		2437	-10.83	≤8.00	PASS
		2462	-10.44	≤8.00	PASS
11G	Ant1	2412	-9.02	≤8.00	PASS
		2437	-8.26	≤8.00	PASS
		2462	-7.65	≤8.00	PASS
11N20SISO	Ant1	2412	-10.36	≤8.00	PASS
		2437	-9.09	≤8.00	PASS
		2462	-9.20	≤8.00	PASS

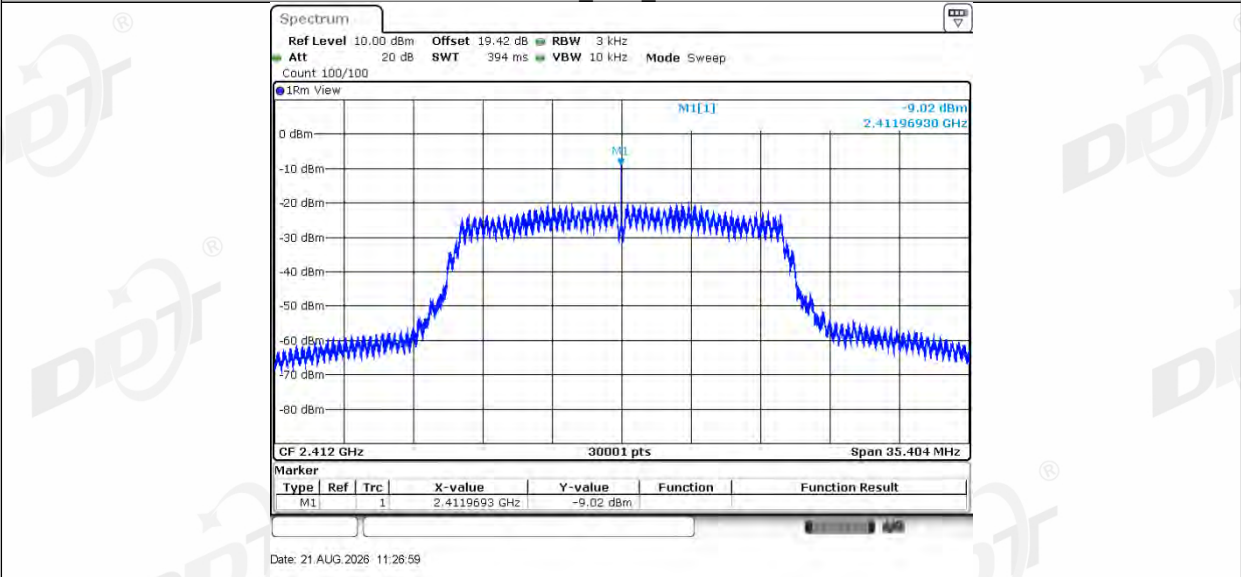
Note: The Duty Cycle Factor is compensated in the graph.

7.5. Test graphs

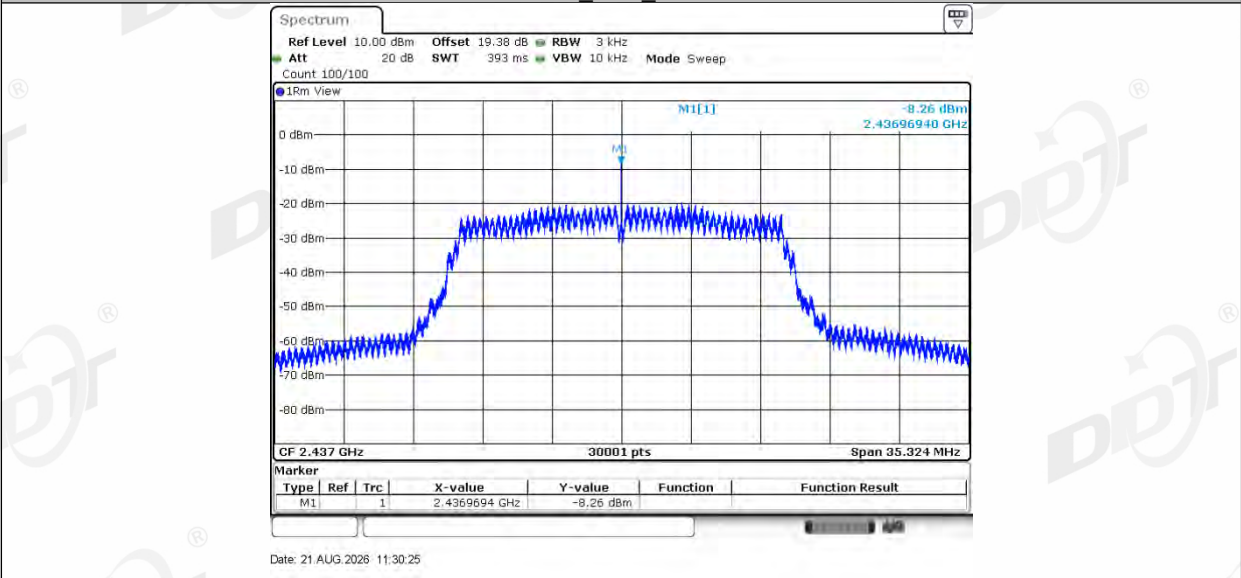




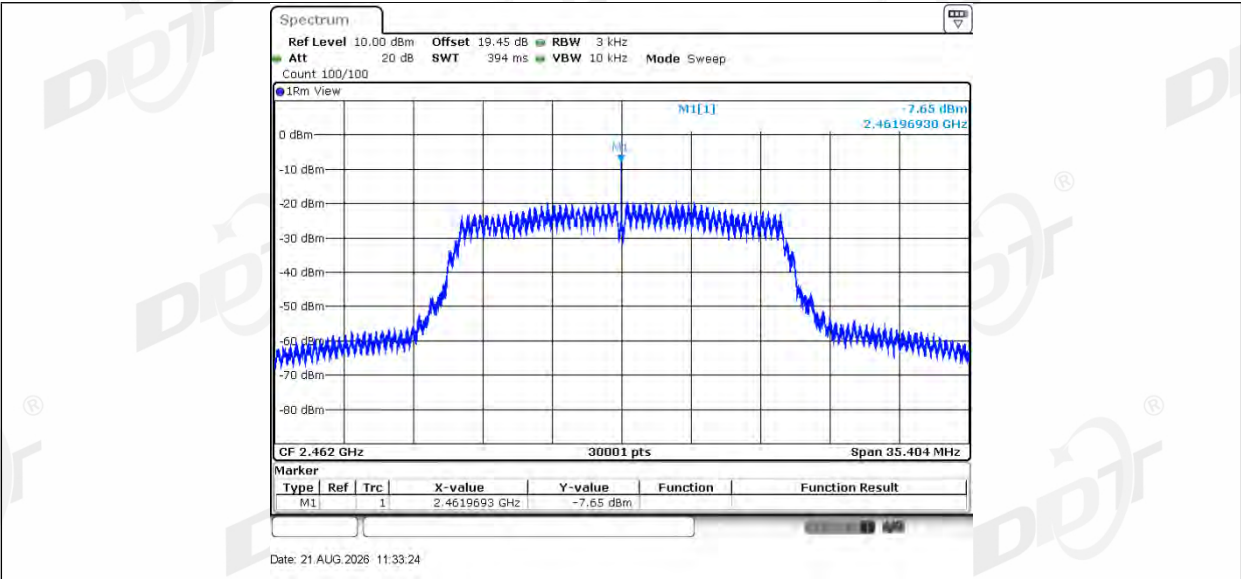
11G Ant1 2412



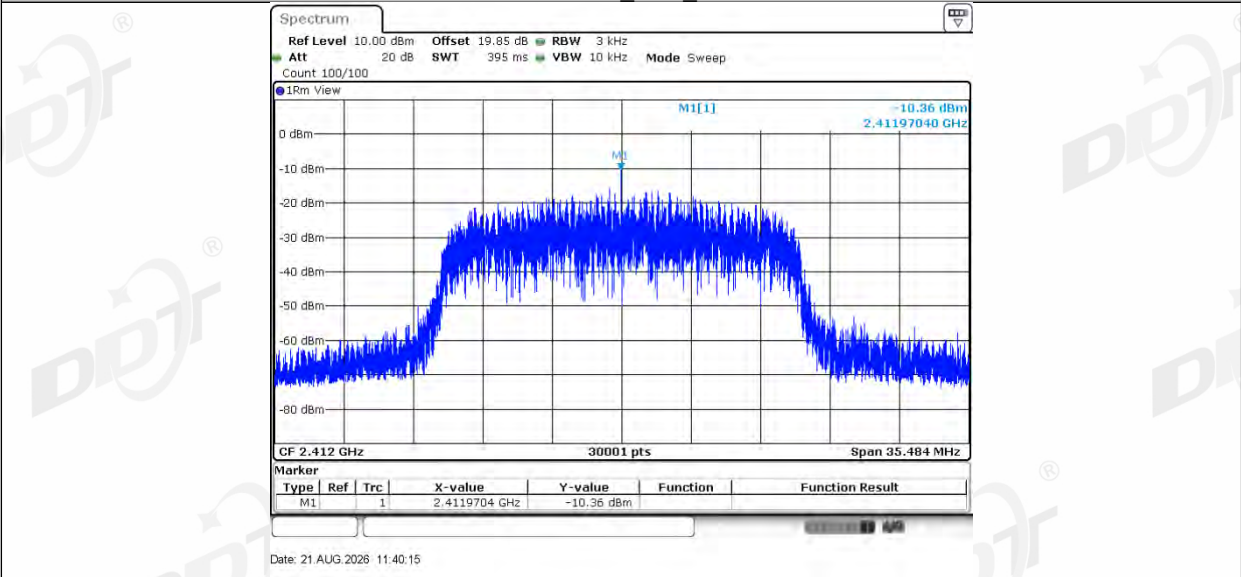
11G Ant1 2437



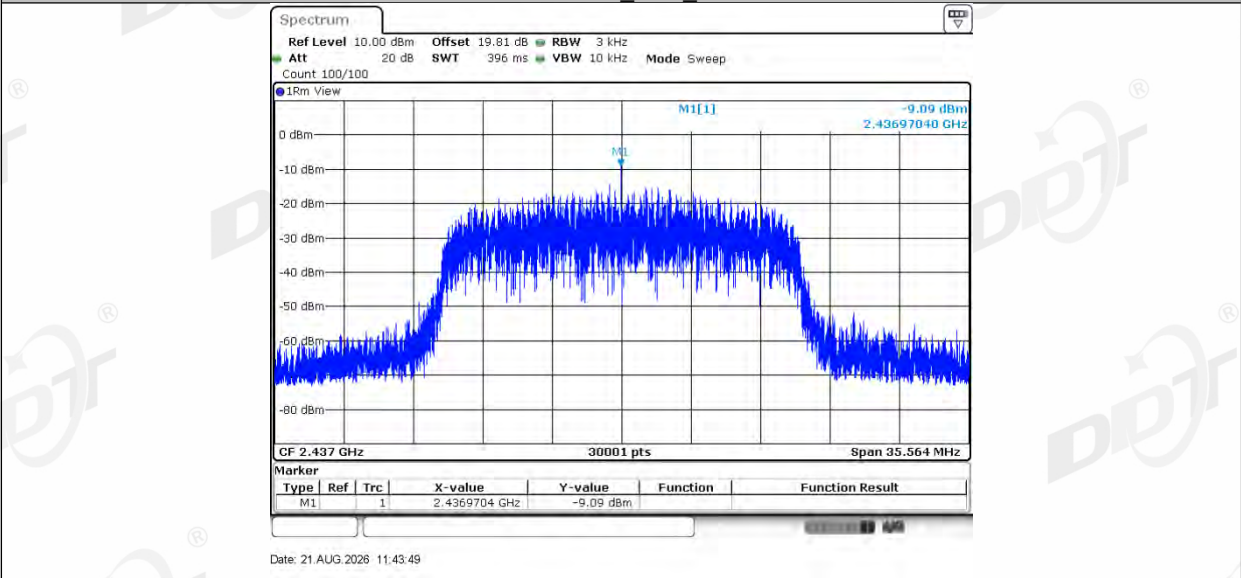
11G Ant1 2462



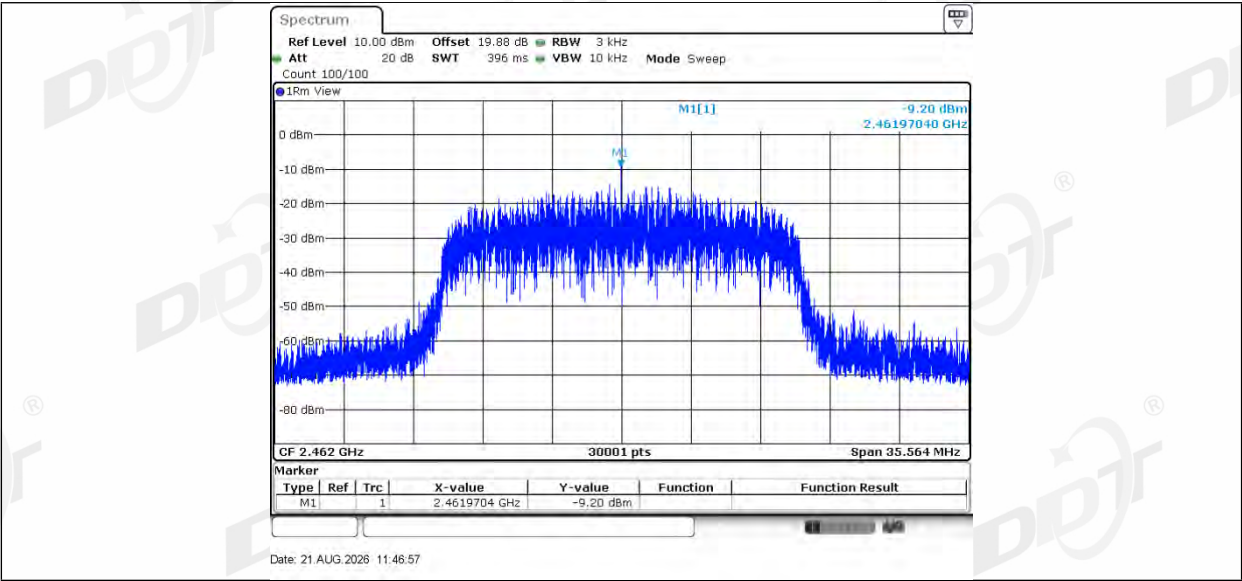
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

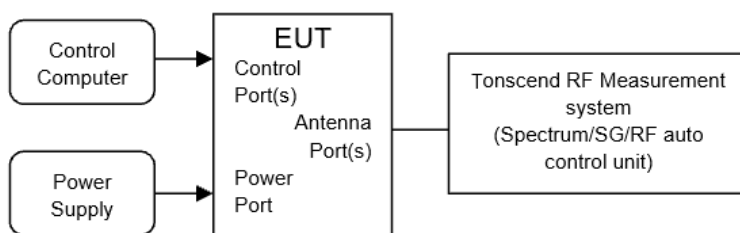


11N20SISO_Ant1_2462



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 30 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.

Then mark the maximum amplitude of all unwanted emissions outside of the authorized frequency band.

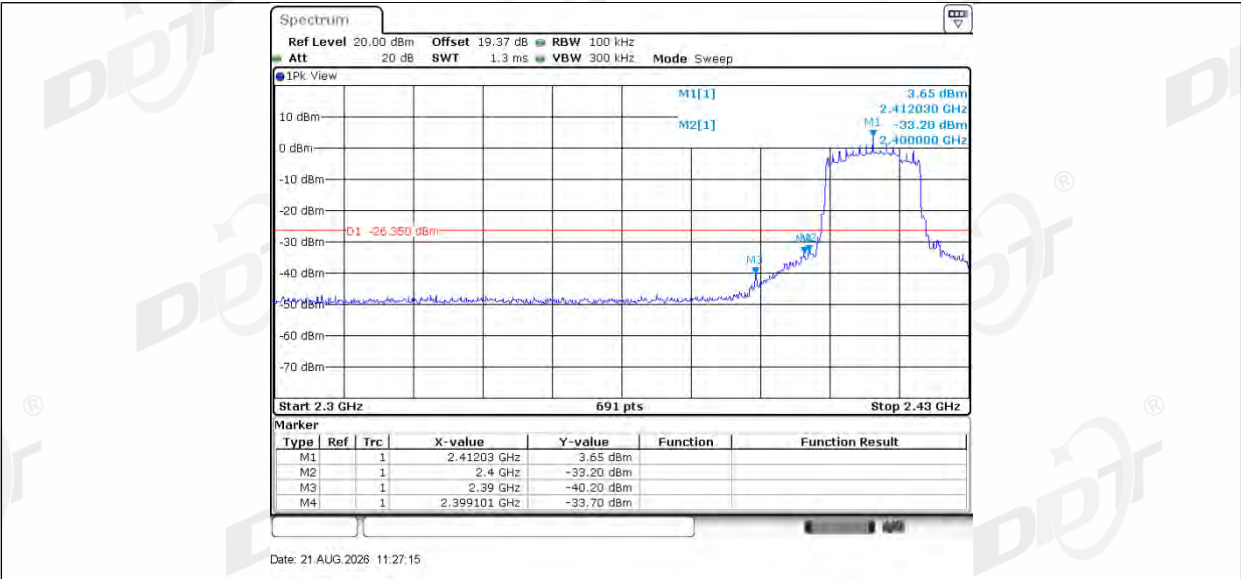
8.4. Test result

Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	24.2-25.6 °C,42.5-43.1%RH	Test Date:	2026.08.20-2026.08.21
Test Power Supply:	AC 120V	Sample Number:	S26061202-003

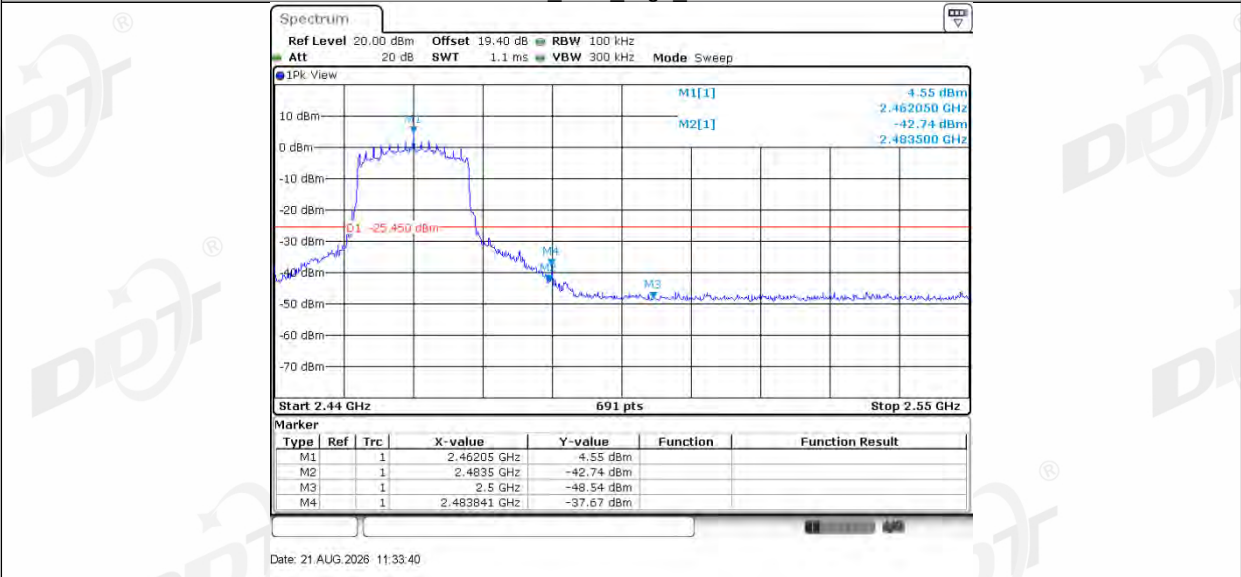
EUT Set Mode	CH or Frequency	Result(dBm)	EUT Set Mode	CH or Frequency	Result (dBm)
11b	CH1	Pass	11g	CH1	Pass
	CH11	Pass		CH11	Pass
11n HT 20	CH1	Pass	/	/	/
	CH11	Pass		/	/

8.5. Test graphs

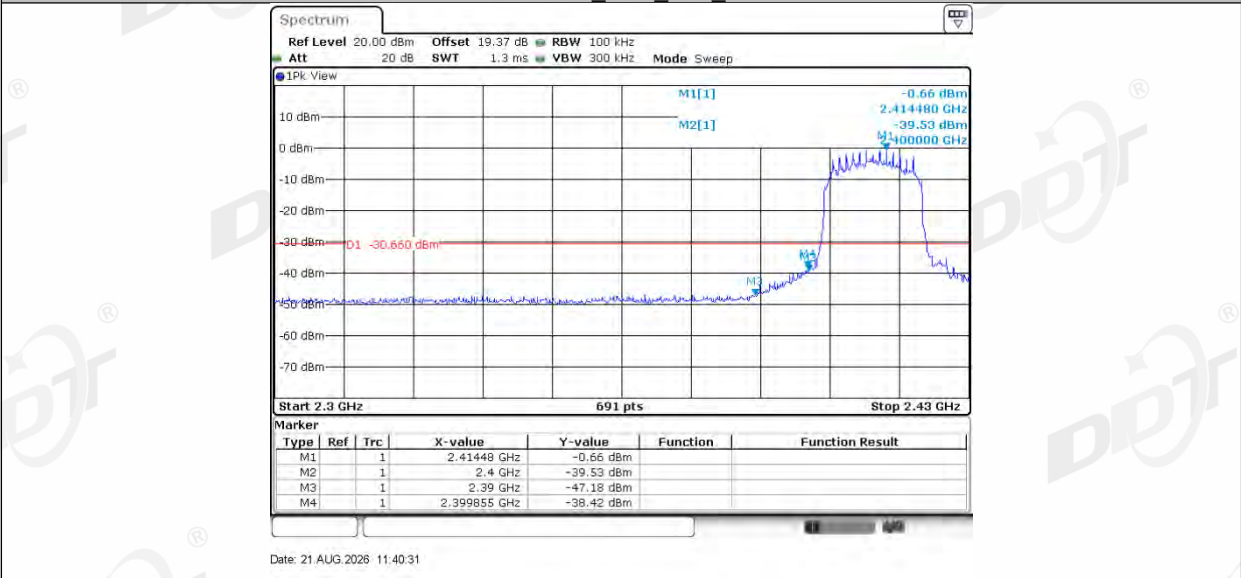




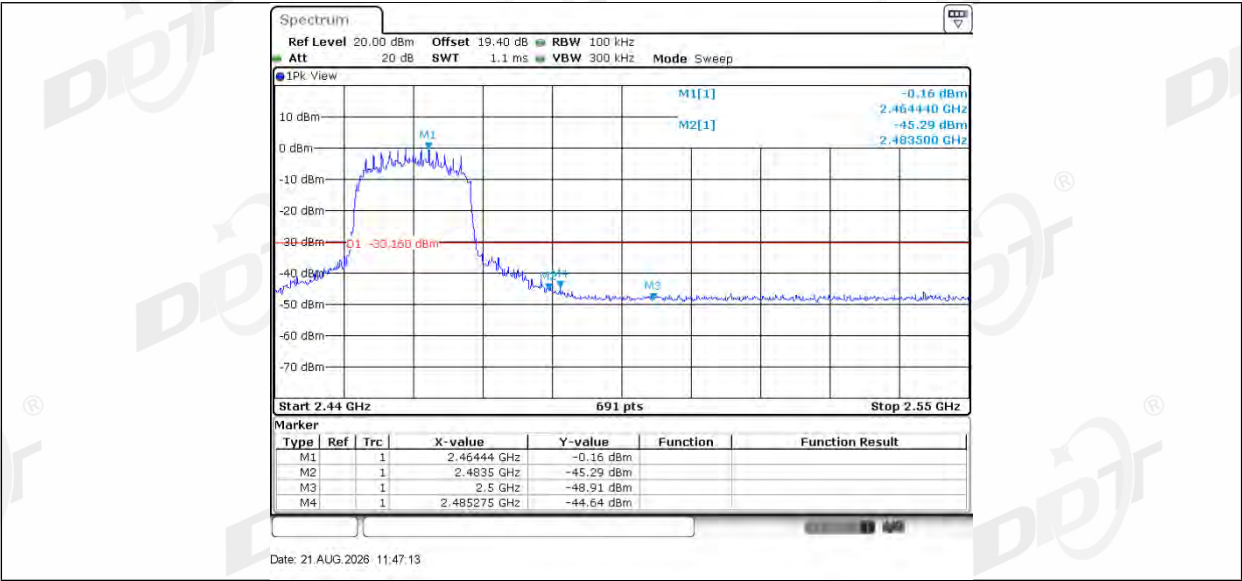
11G Ant1 High 2462



11N20SISO Ant1 Low 2412

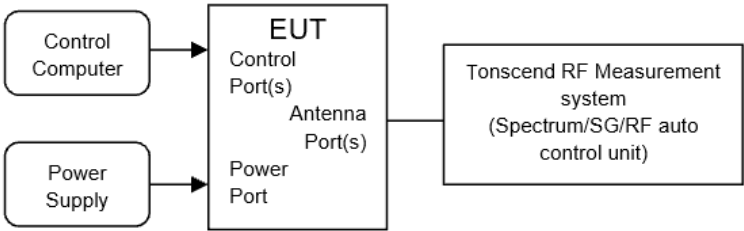


11N20SISO Ant1 High 2462



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 30 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

(5) 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

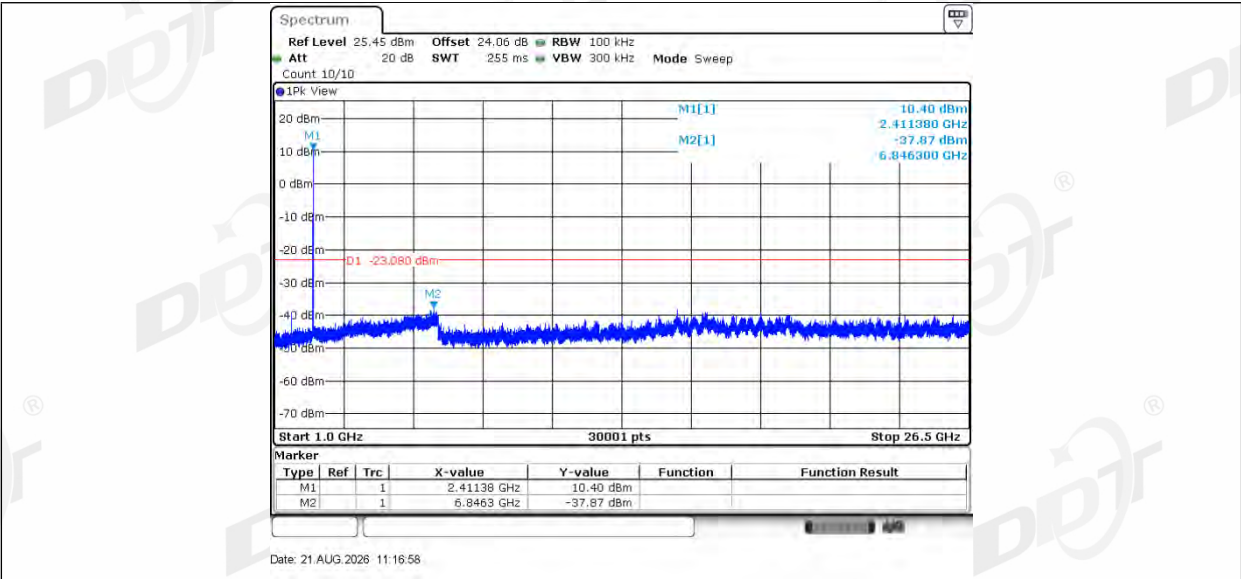
9.4. Test result

Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	24.2-25.6 °C,42.5-43.1%RH	Test Date:	2026.08.20-2026.08.21
Test Power Supply:	AC 120V	Sample Number:	S26061202-003

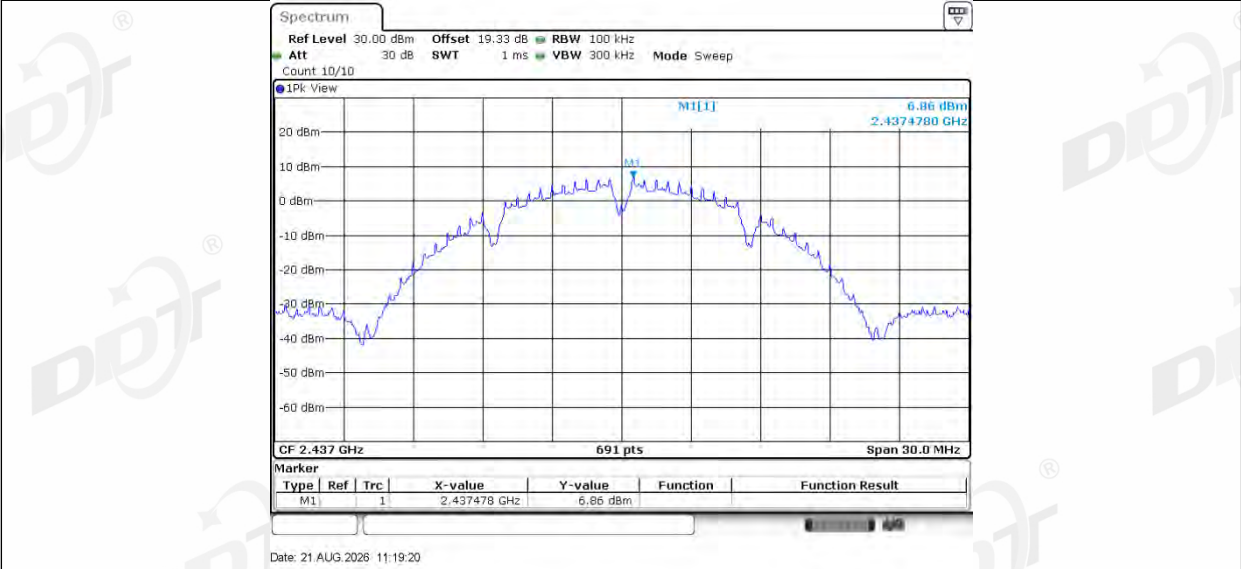
EUT Set Mode	CH or Frequency	Result(dBm)	EUT Set Mode	CH or Frequency	Result (dBm)
11b	CH1	Pass	11g	CH1	Pass
	CH11	Pass		CH11	Pass
11n HT 20	CH1	Pass	/	/	/
	CH11	Pass		/	/

9.5. Test graphs

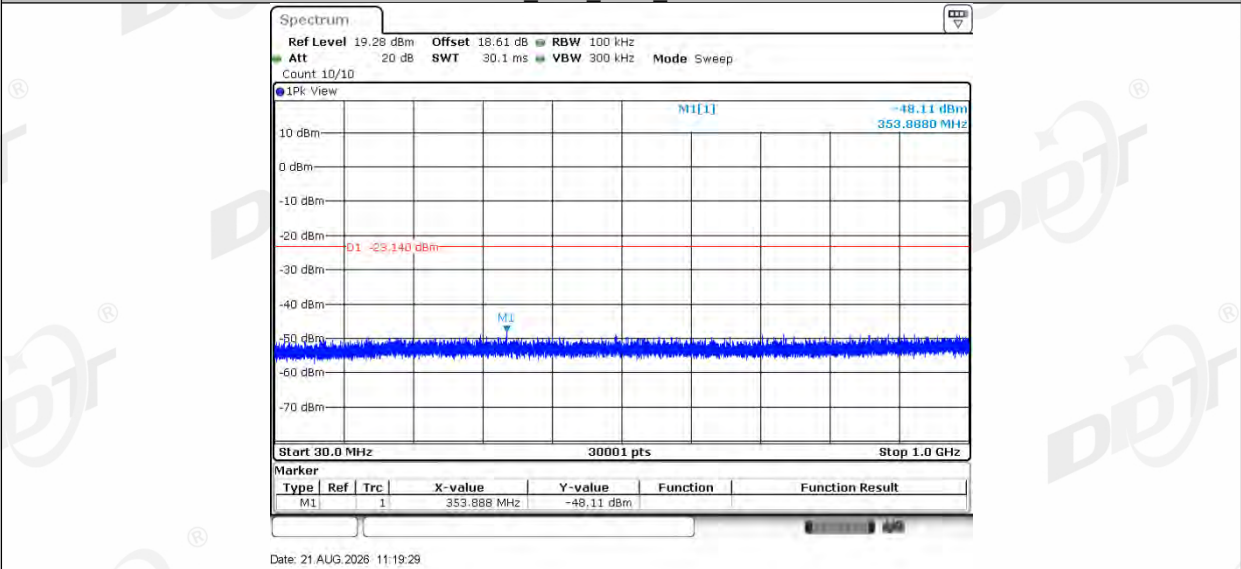




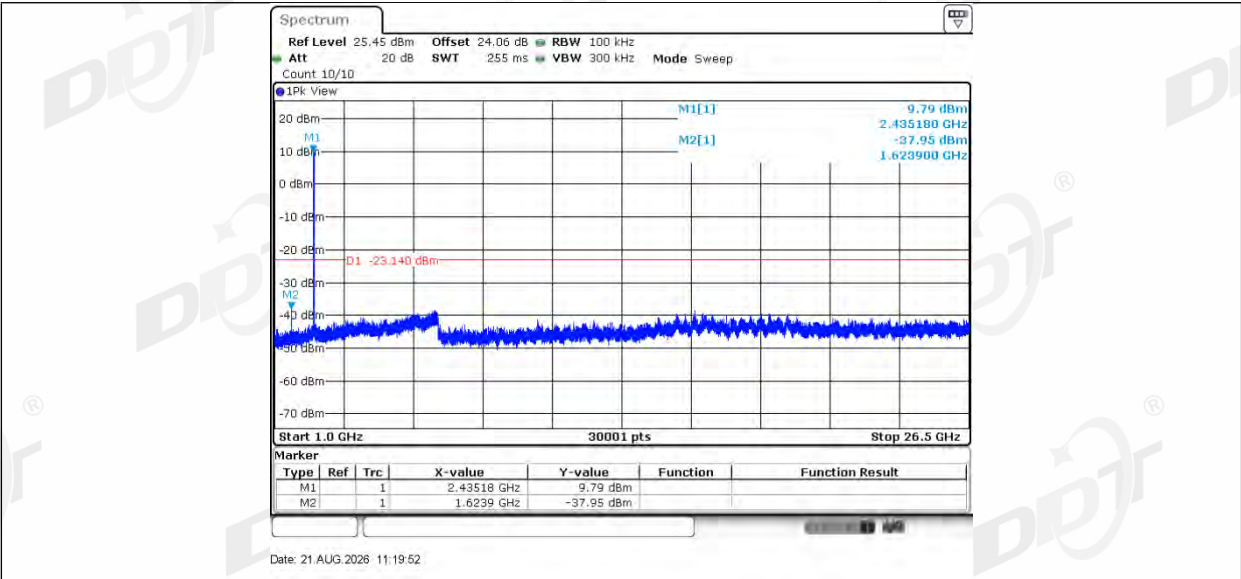
11B_Ant1_2437_0~Reference



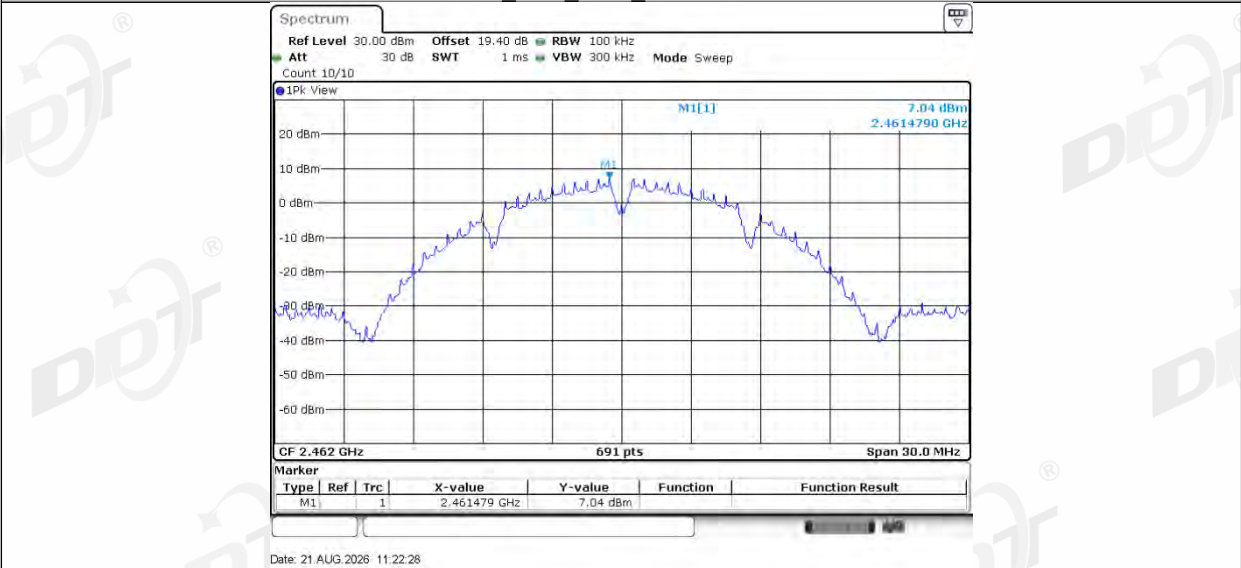
11B_Ant1_2437_30~1000



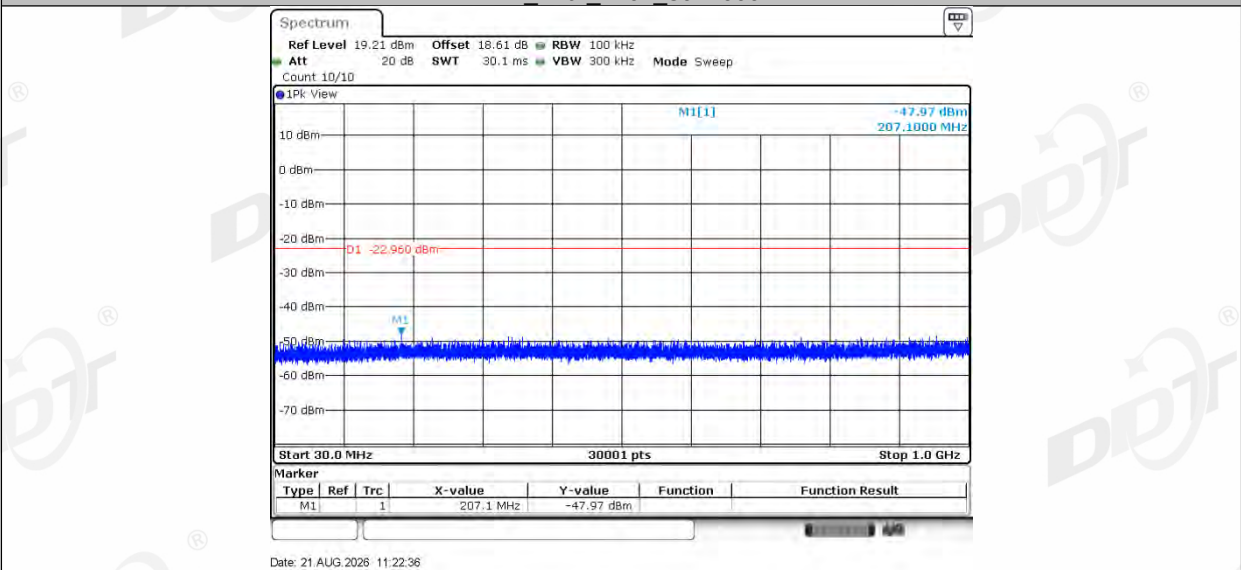
11B_Ant1_2437_1000~26500



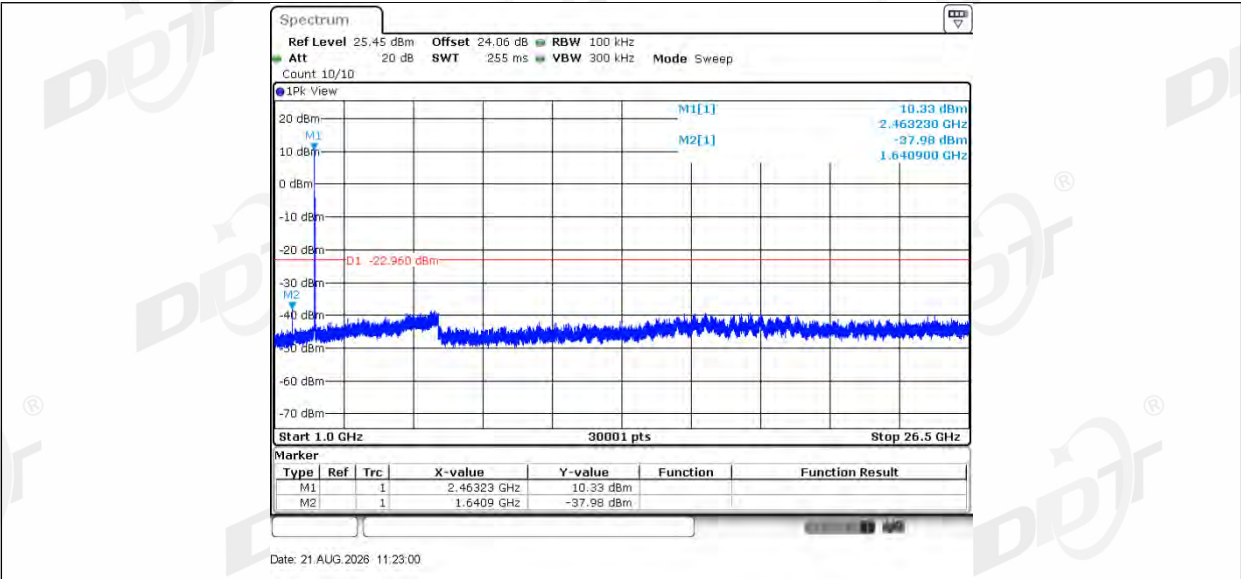
11B_Ant1_2462_0~Reference



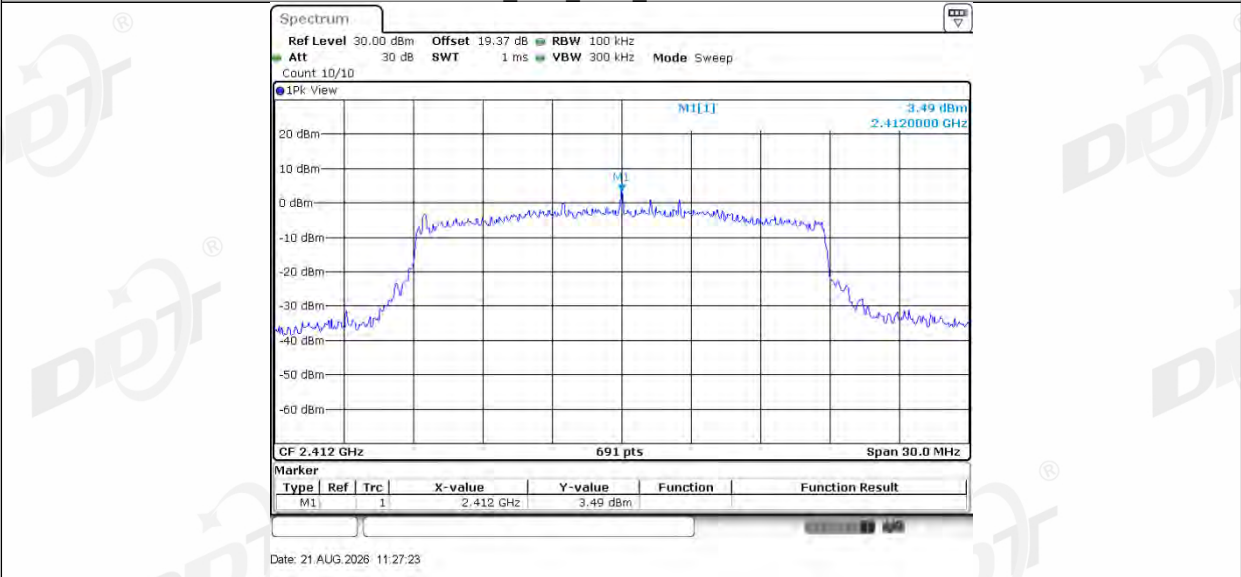
11B_Ant1_2462_30~1000



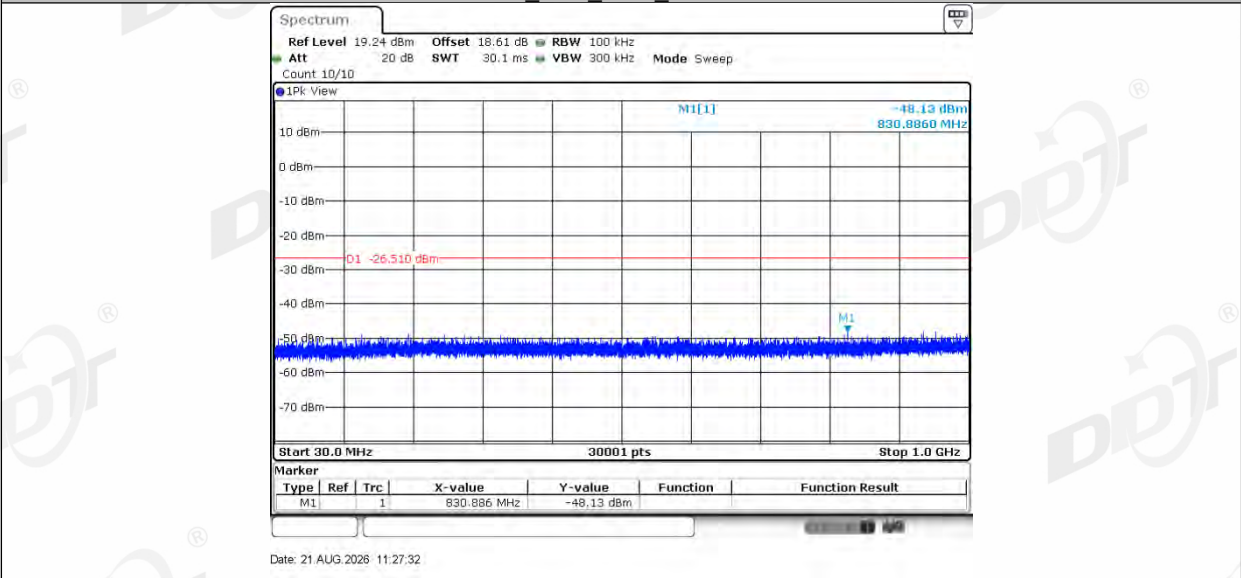
11B_Ant1_2462_1000~26500



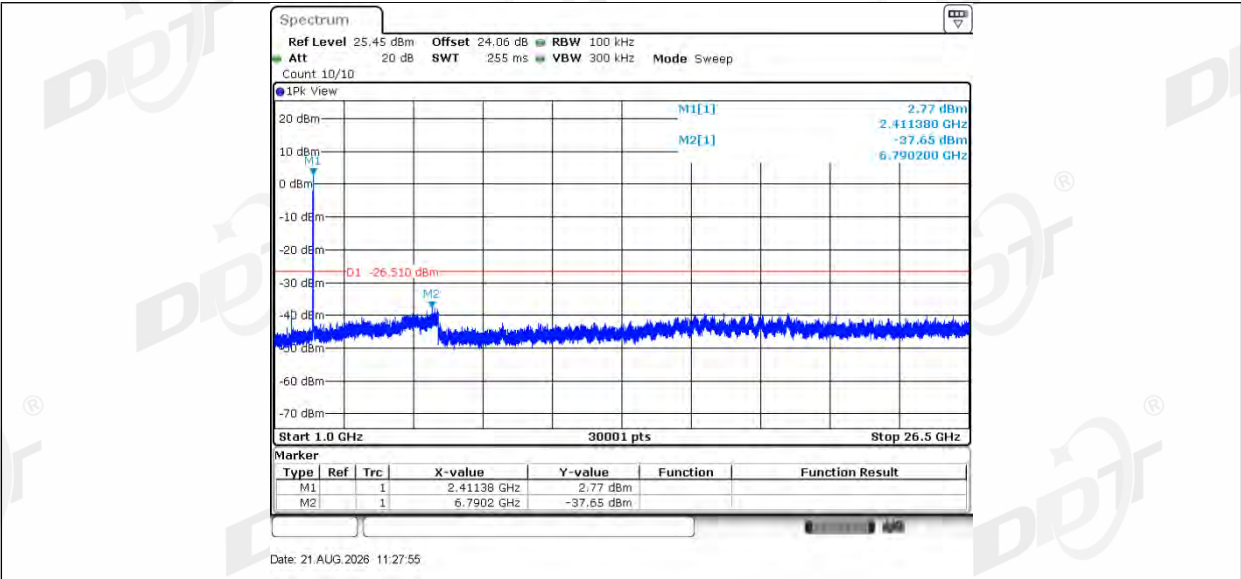
11G_Ant1_2412_0~Reference



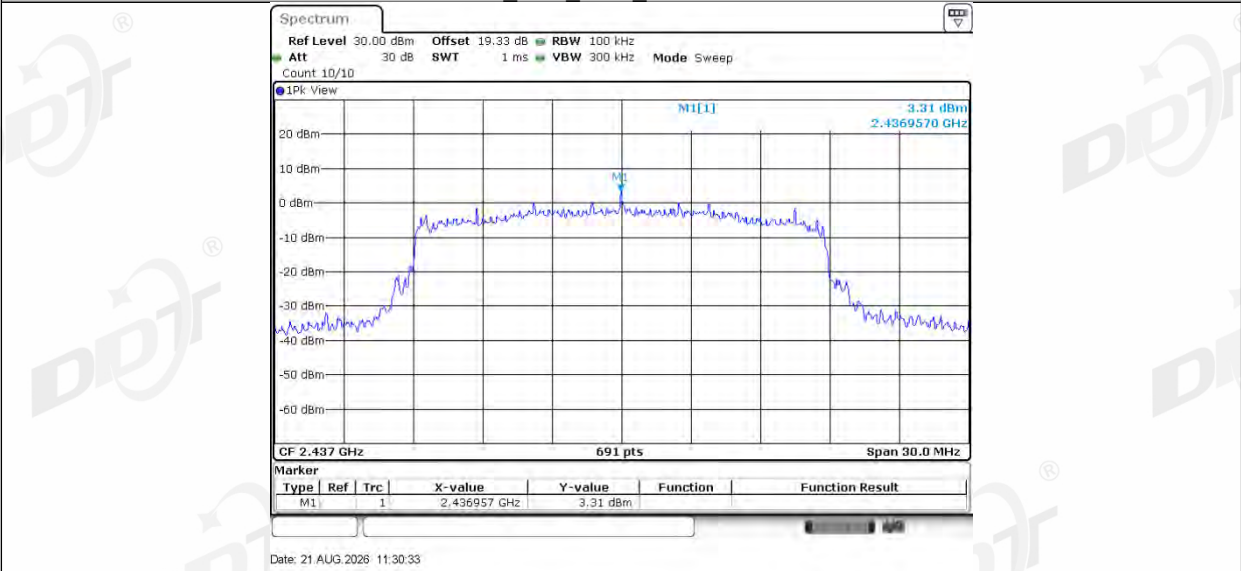
11G_Ant1_2412_30~1000



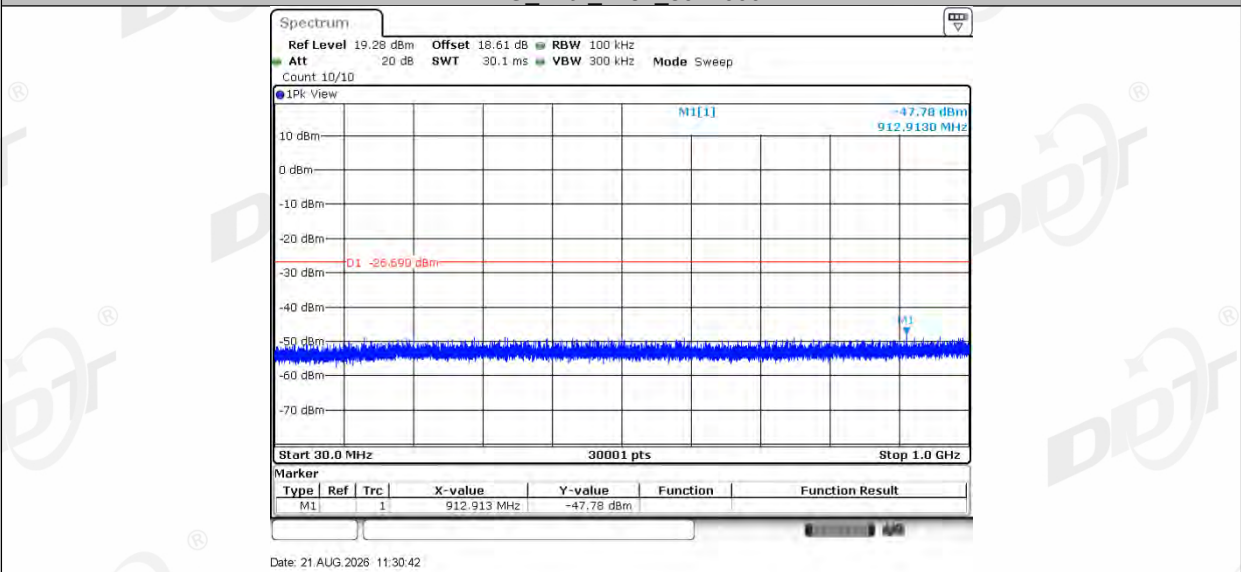
11G_Ant1_2412_1000~26500



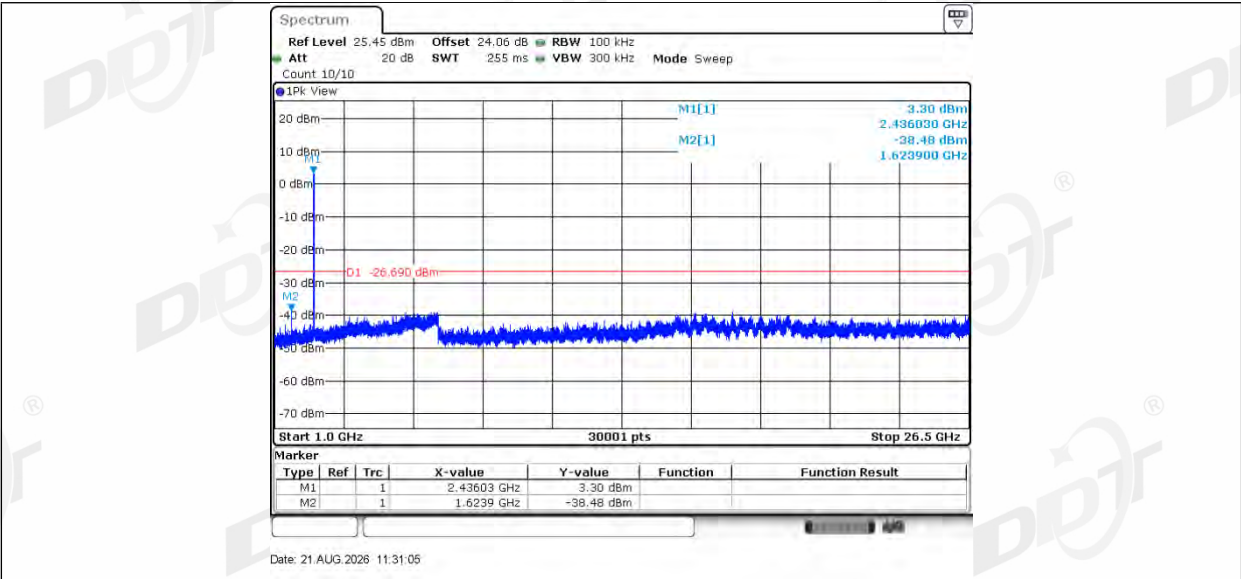
11G_Ant1_2437_0~Reference



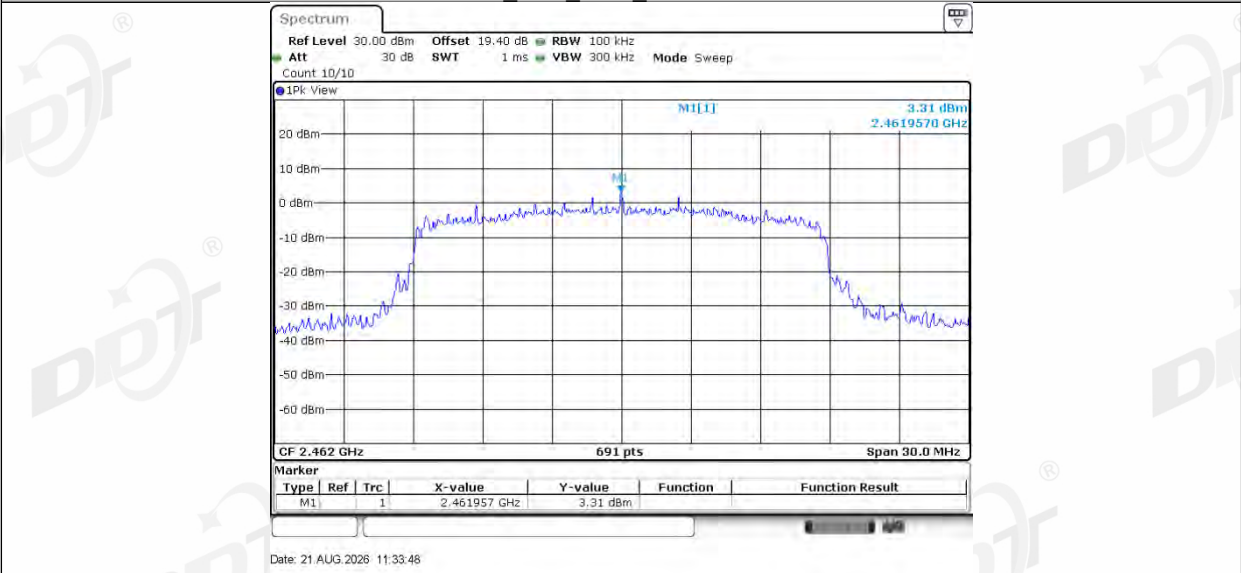
11G_Ant1_2437_30~1000



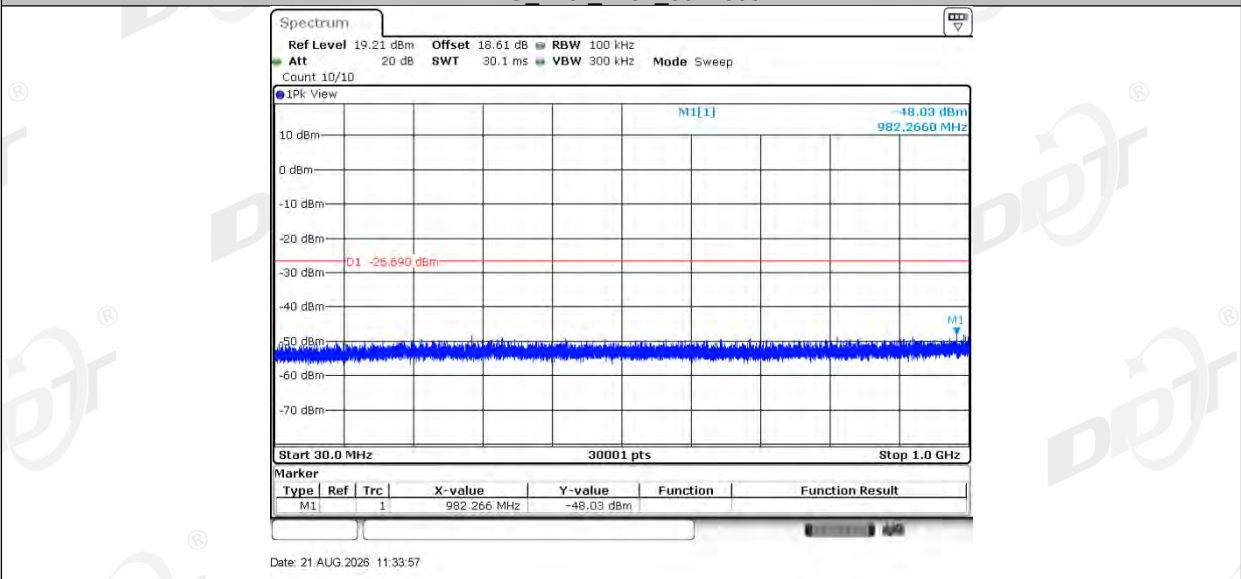
11G_Ant1_2437_1000~26500



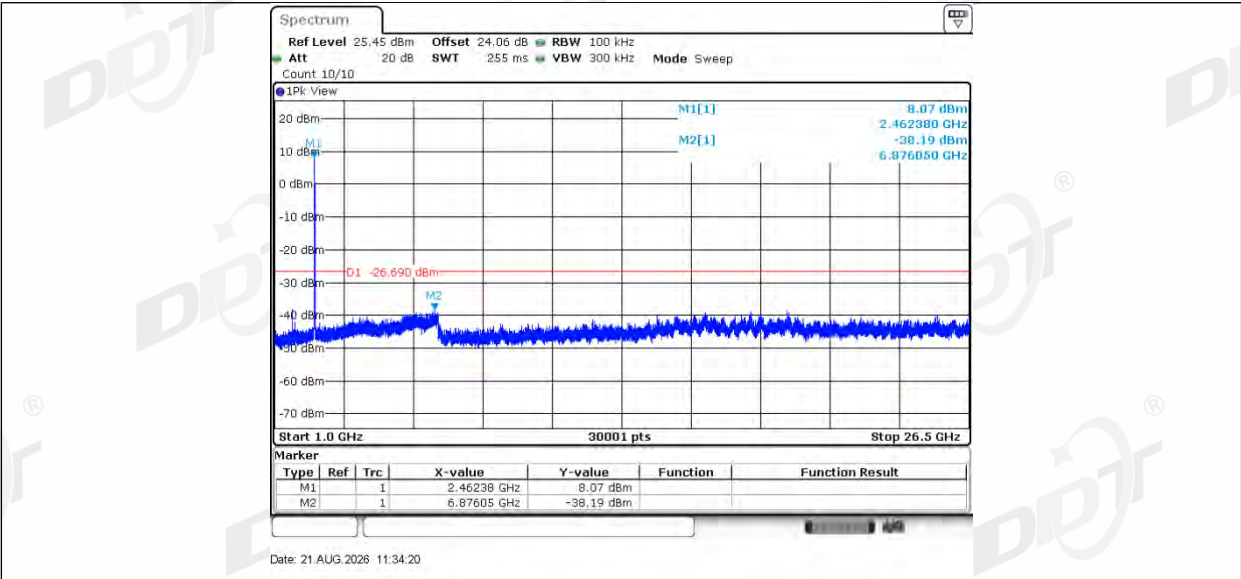
11G_Ant1_2462_0~Reference



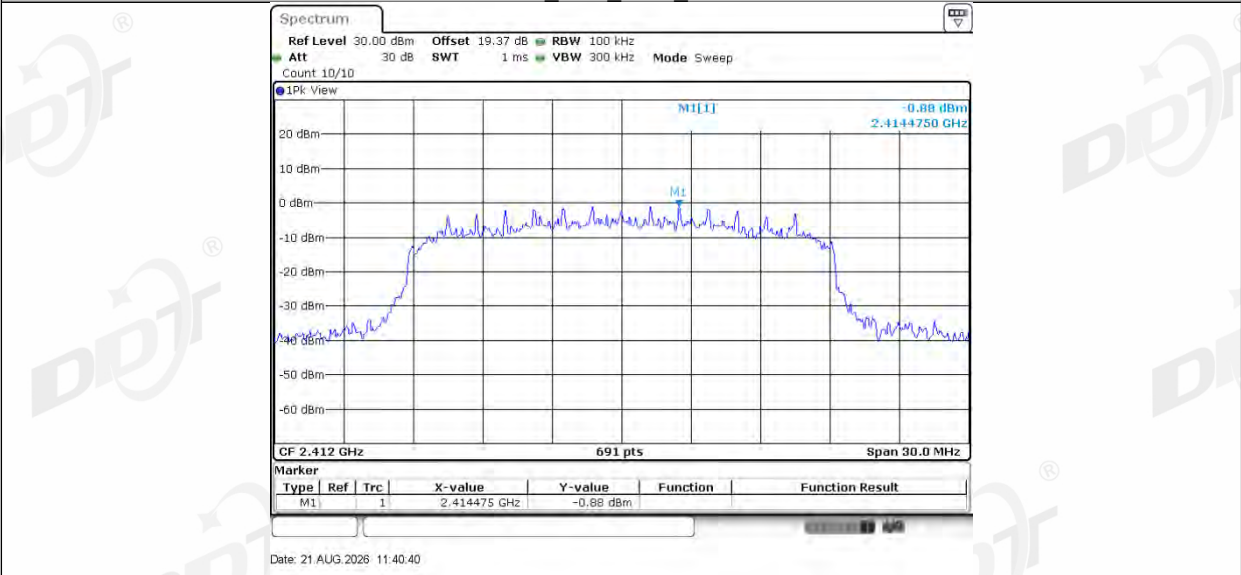
11G_Ant1_2462_30~1000



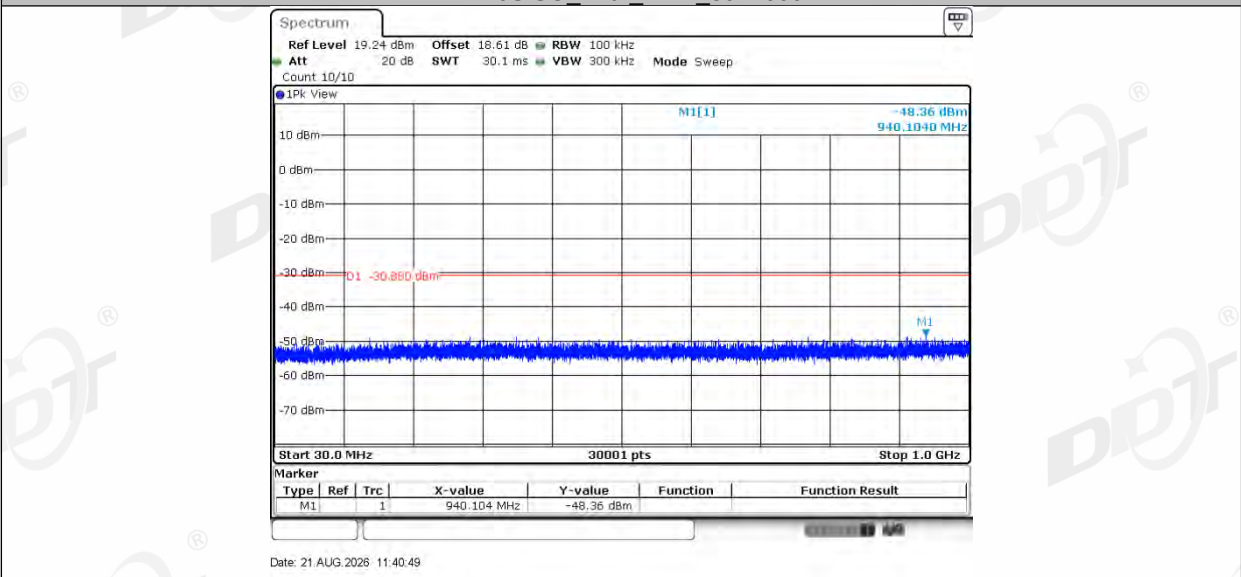
11G_Ant1_2462_1000~26500



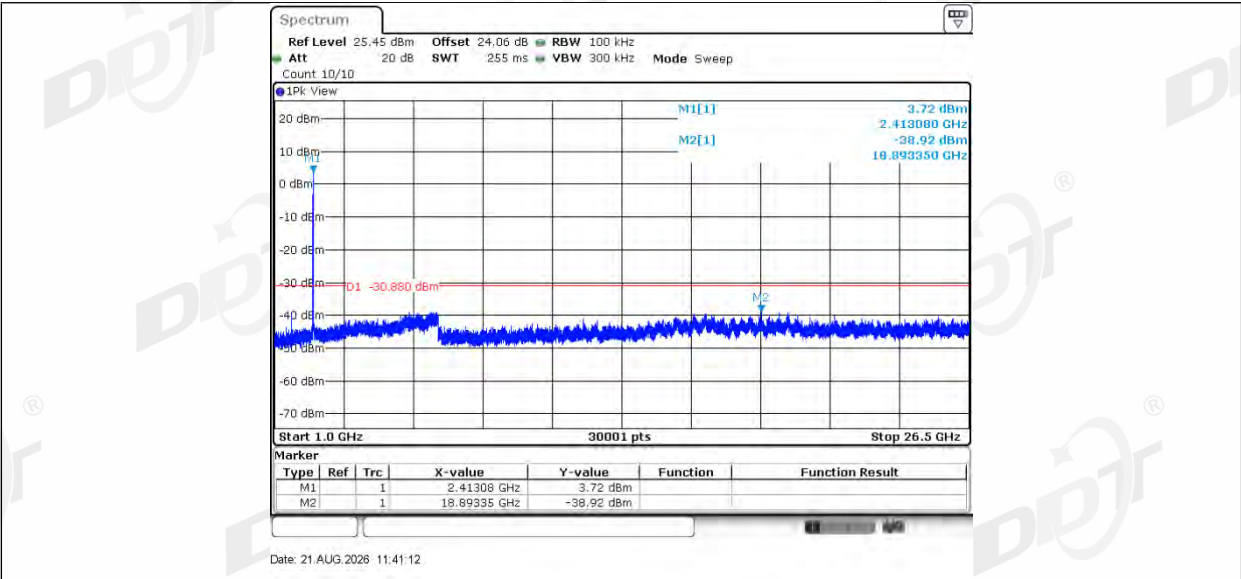
11N20SISO_Ant1_2412_0~Reference



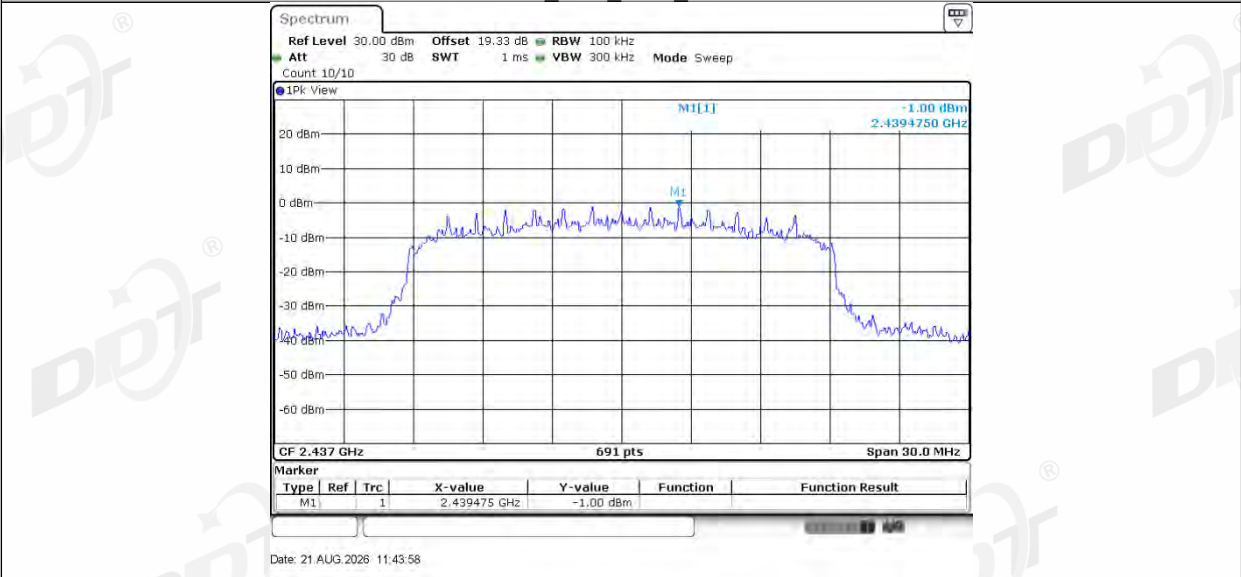
11N20SISO_Ant1_2412_30~1000



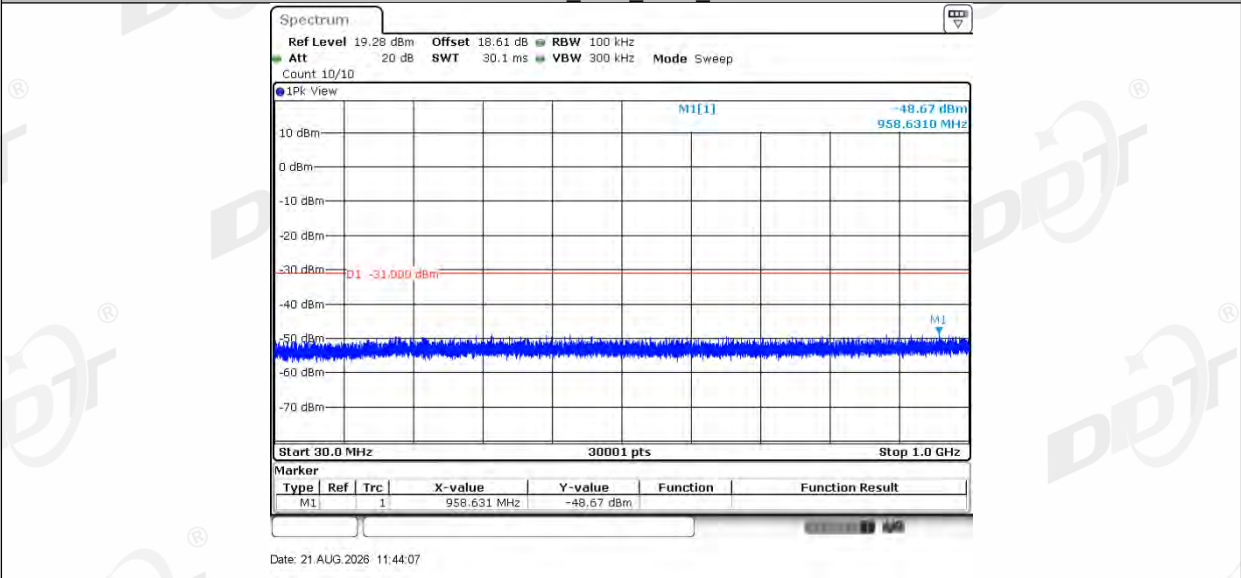
11N20SISO_Ant1_2412_1000~26500



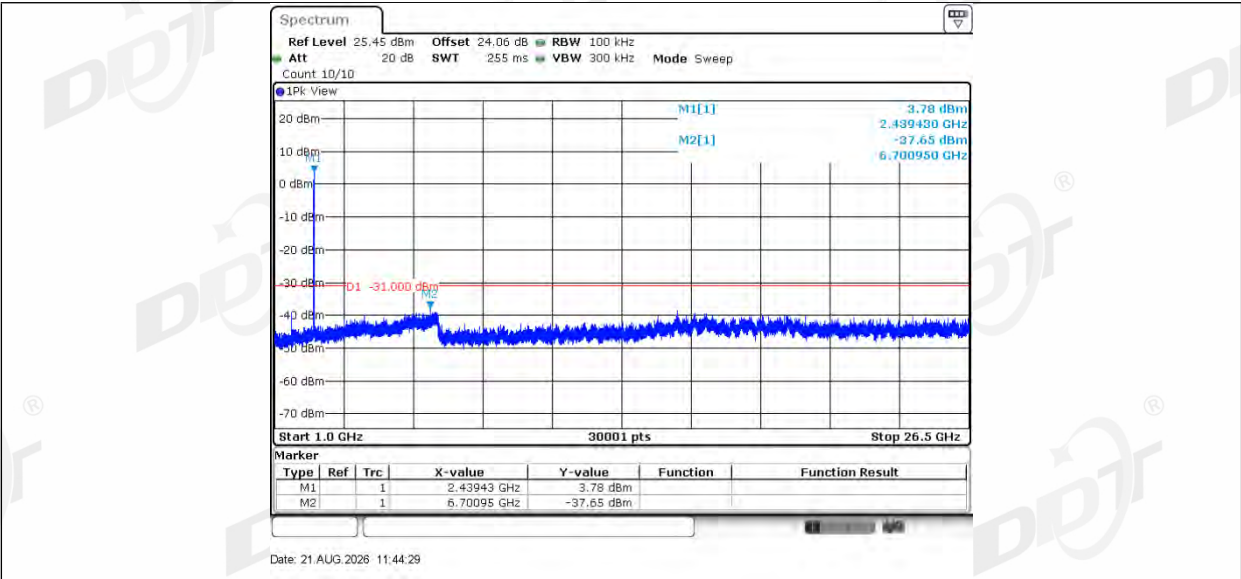
11N20SISO Ant1 2437 0-Reference



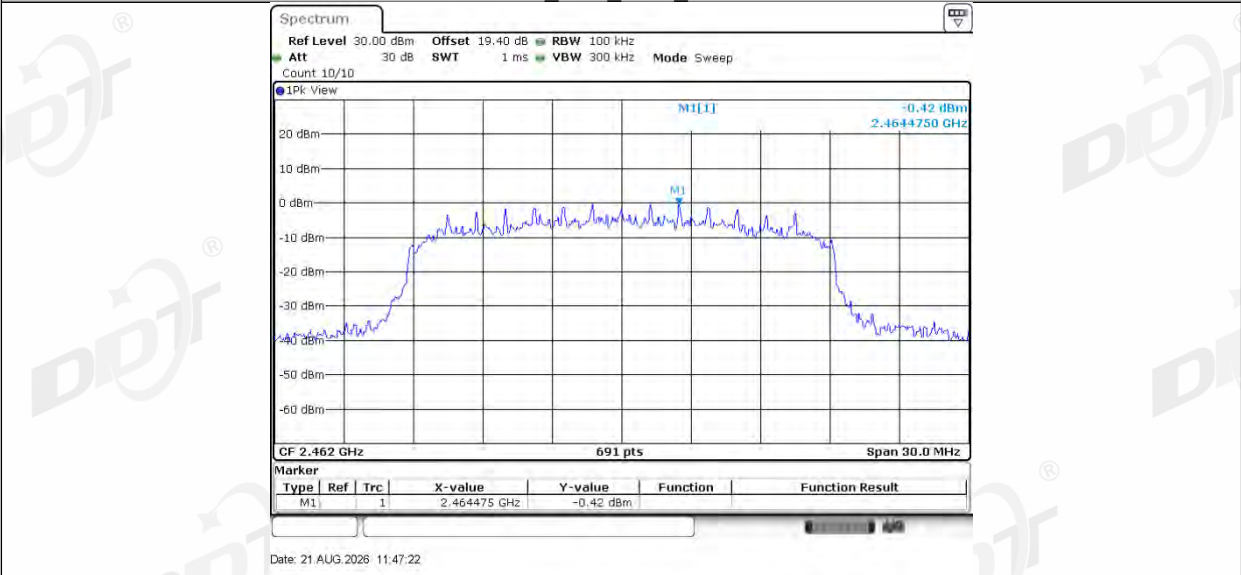
11N20SISO Ant1 2437 30~1000



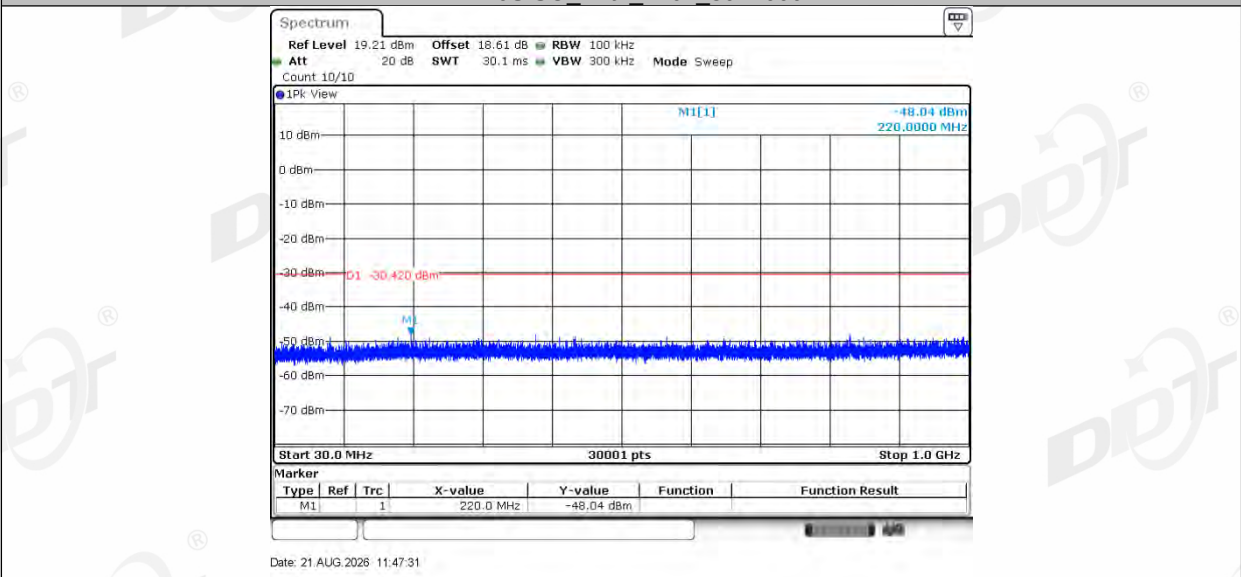
11N20SISO Ant1 2437 1000~26500



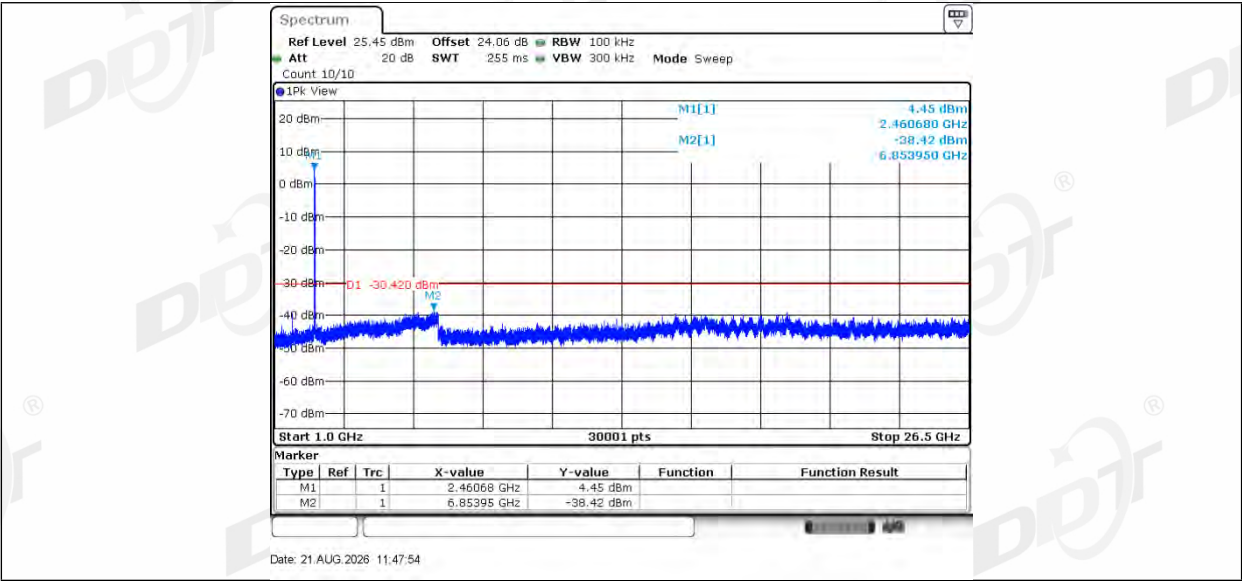
11N20SISO_Ant1_2462_0-Reference



11N20SISO_Ant1_2462_30~1000

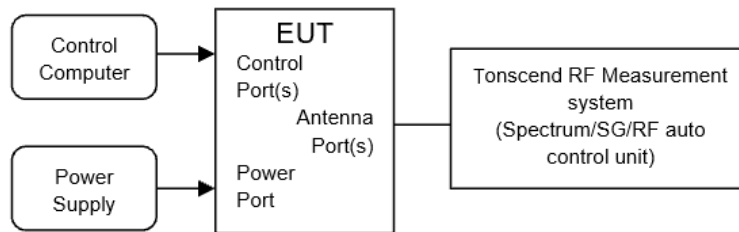


11N20SISO_Ant1_2462_1000~26500



10. Duty Cycle

10.1. Block diagram of test setup



10.2. Limit

Just for Report.

10.3. Test procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, The cable loss and attenuator loss have been put into spectrum analyzer as amplitude offset.
set the Spectrum Analyzer as below:
 - Centre Frequency: The centre frequency of the middle hopping channel.
 - Resolution BW: 10 MHz.
 - Video BW: 10 MHz.
 - Span: Zero span.
 - Detector: Peak.
 - Trace Mode: Clear Write.
 - Sweep: Video Trigger
- (2) When the trace is complete, measure the sending time of 1 burst and the duty cycle of 1 burst cycle.
- (3) Calculate dwell time follow below formula:
Duty cycle= Pulse's on time / Burst cycle

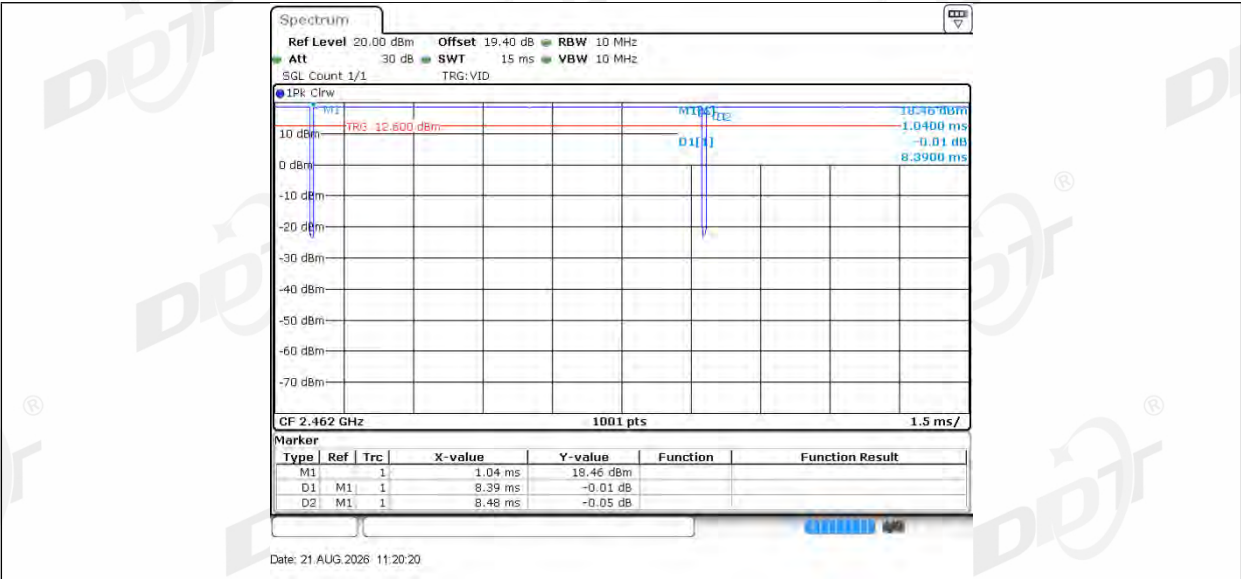
10.4. Test result

Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	24.2-25.6 °C,42.5-43.1%RH	Test Date:	2026.08.20-2026.08.21
Test Power Supply:	AC 120V	Sample Number:	S26061202-003

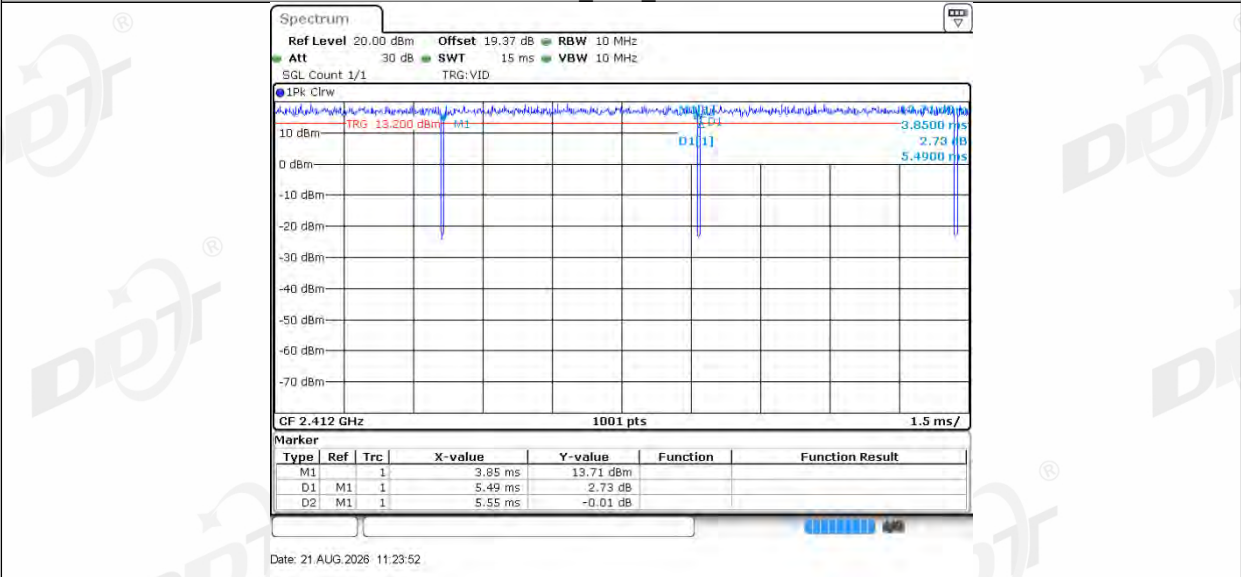
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.40	8.49	98.94
		2437	8.38	8.48	98.82
		2462	8.39	8.48	98.94
11G	Ant1	2412	5.49	5.55	98.92
		2437	5.49	5.55	98.92
		2462	5.49	5.55	98.92
11N20SISO	Ant1	2412	0.17	0.19	89.47
		2437	0.17	0.19	89.47
		2462	0.17	0.19	89.47

10.5. Test graphs

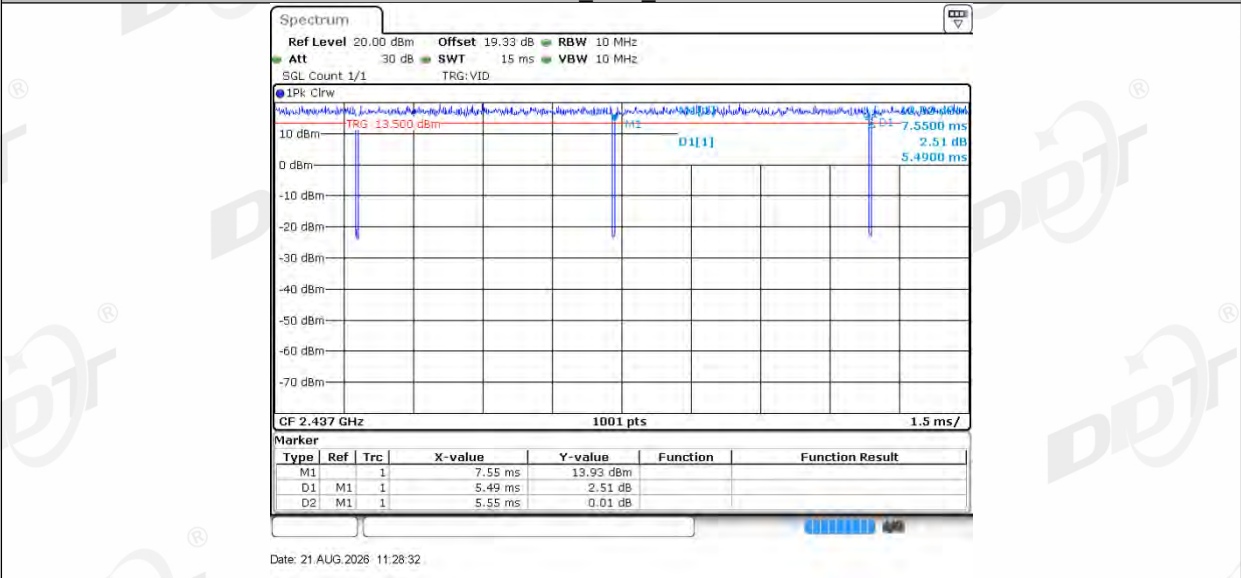




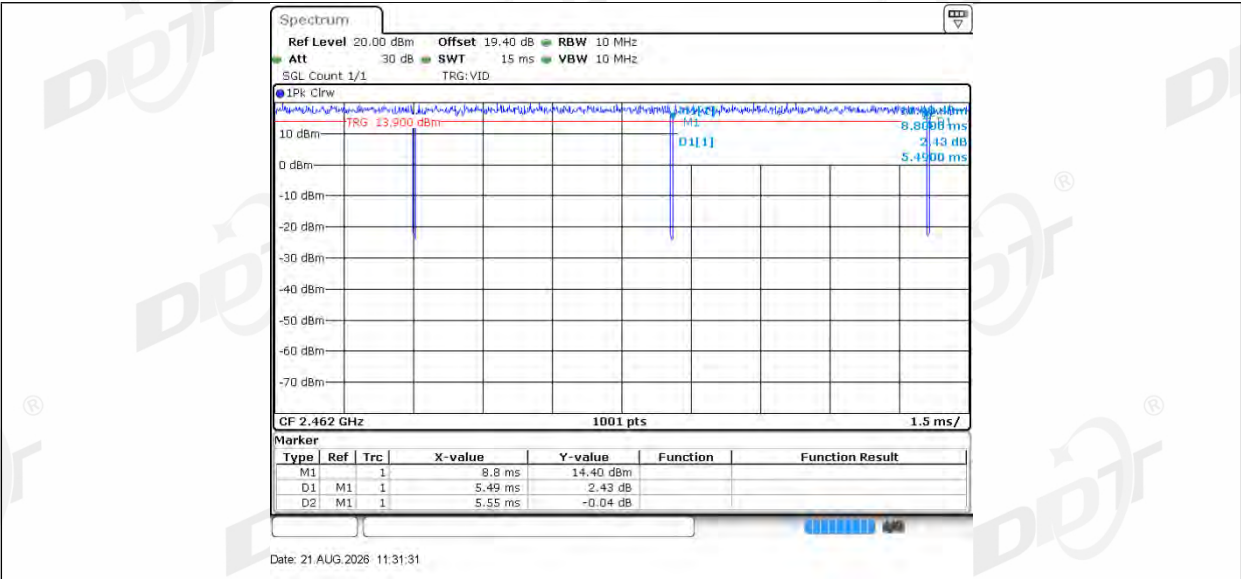
11G Ant1 2412



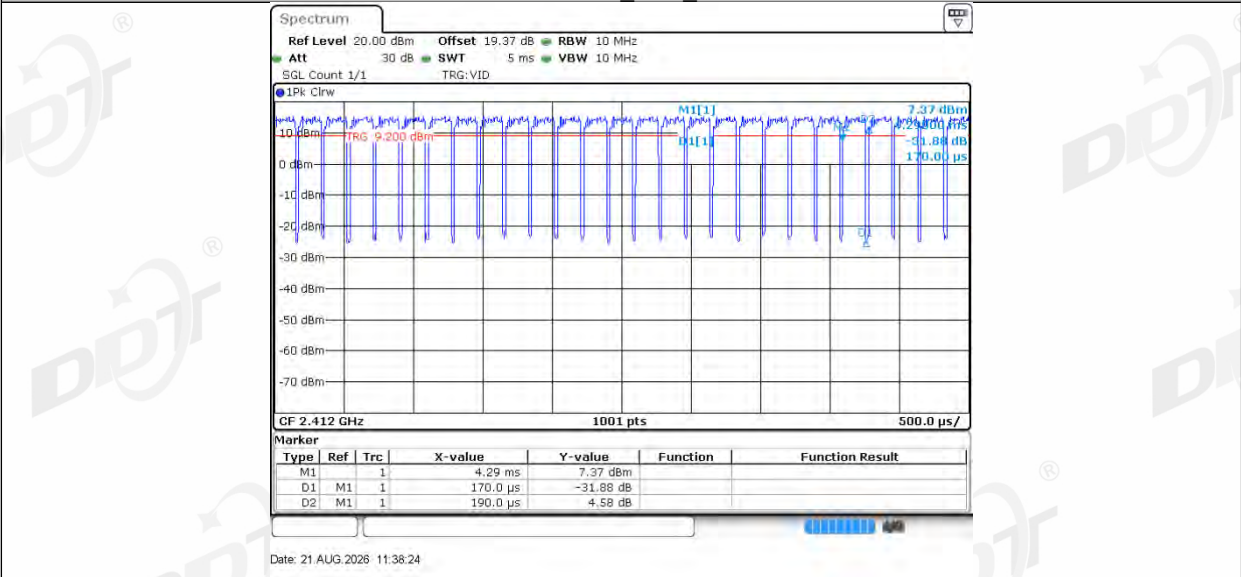
11G Ant1 2437



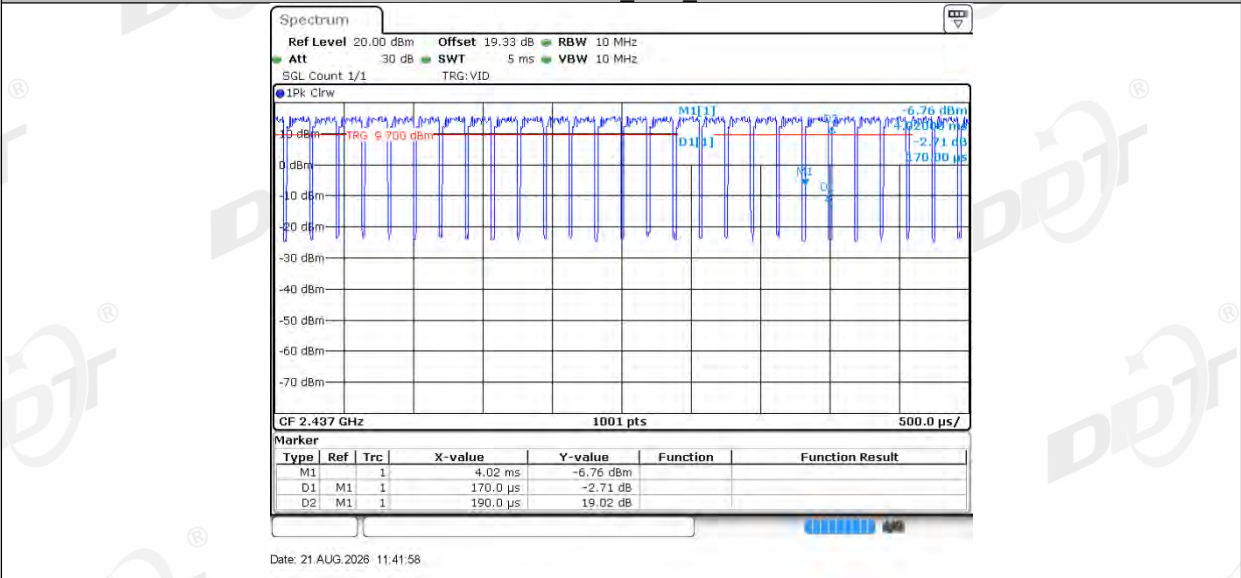
11G Ant1 2462



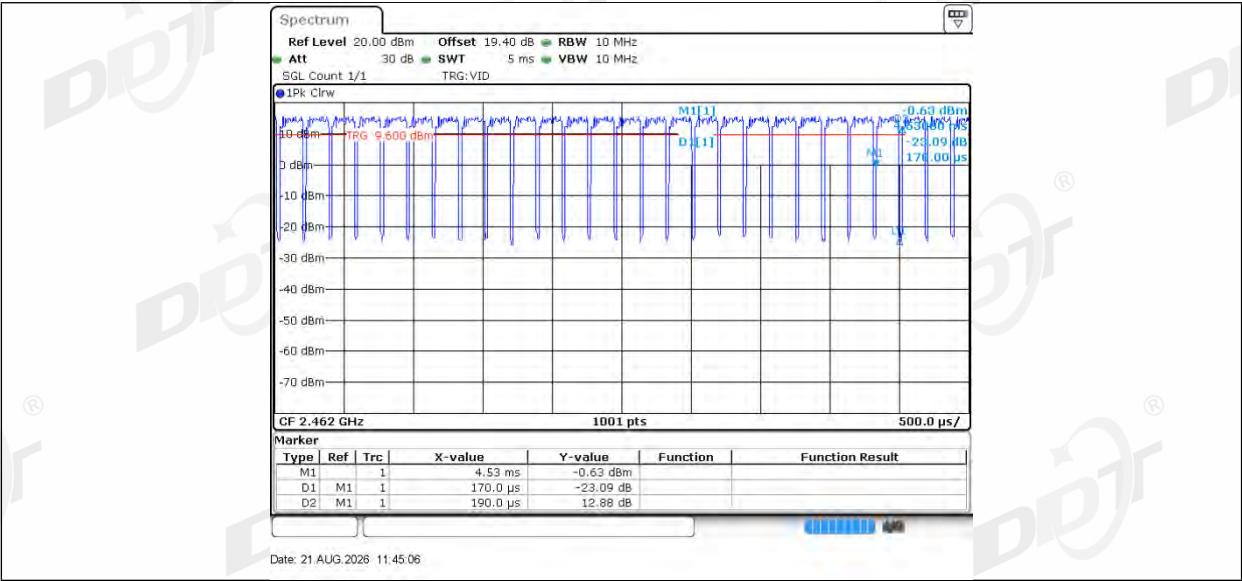
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11. Antenna Requirements

11.1. Limit

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For intentional device, according to RSS-Gen issue 5 section 6.8.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

11.2. Result

The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

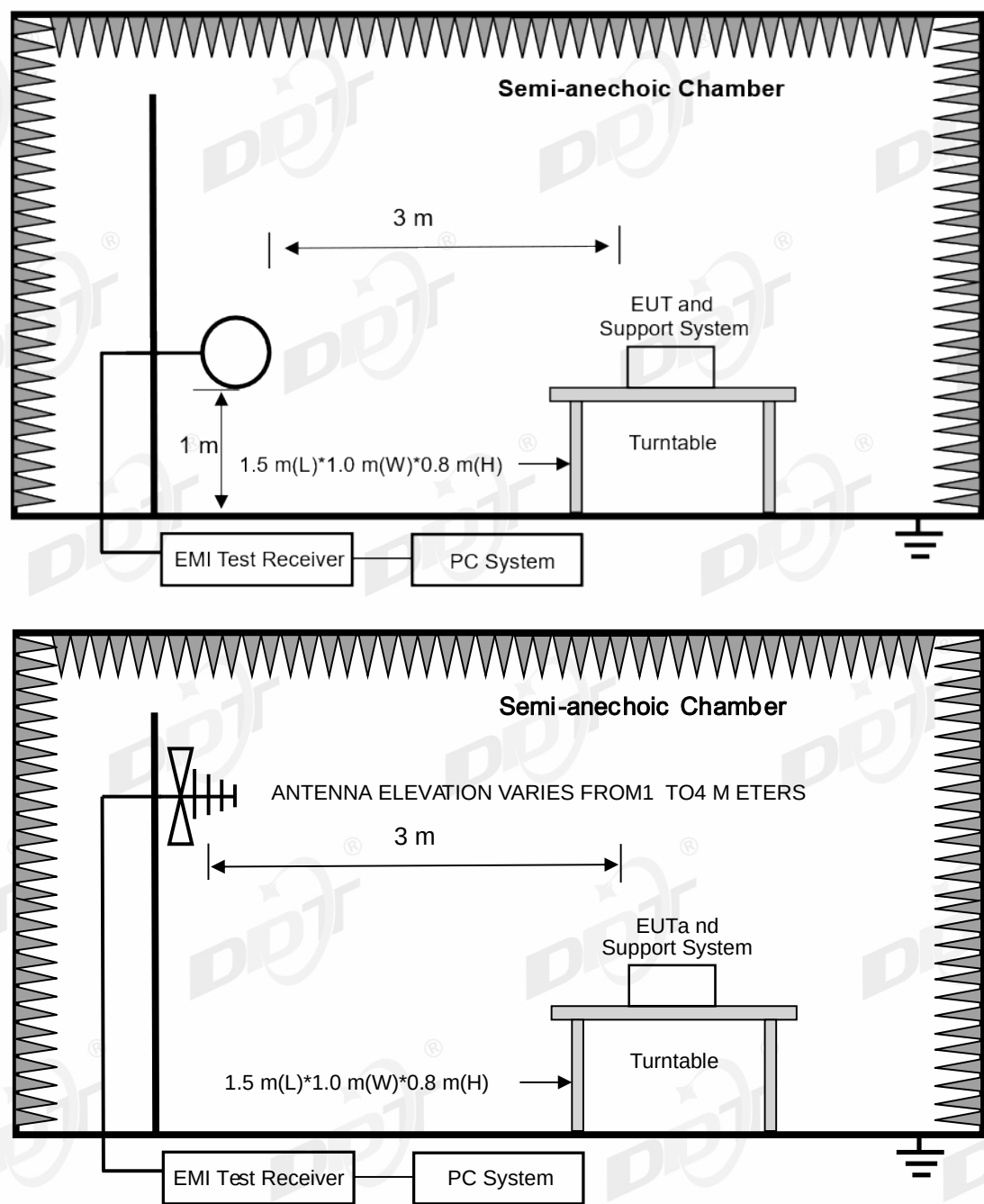
12. Radiated Emission

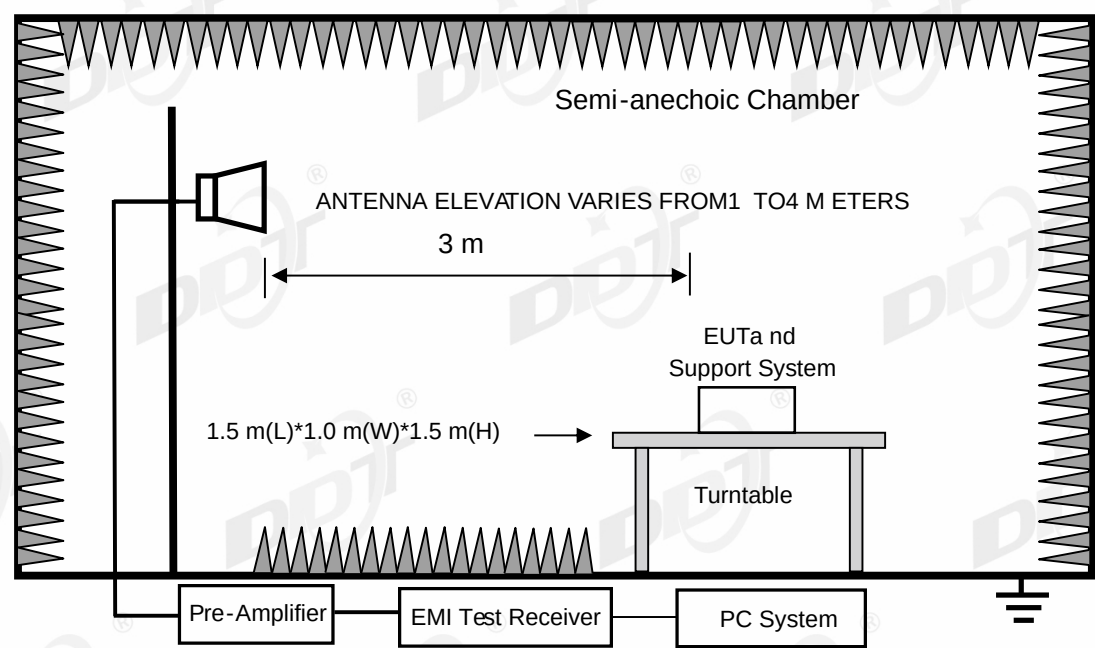
12.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2027/02/27
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-10M	DDT-ZC05591	2026/10/10
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-3M	DDT-ZC05590	2026/10/10
RF cable	Zhongke Junchuang	JCTB510-NJW-NJW-0.6M	DDT-ZC04595	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-5M	DDT-ZC03800	2026/10/10
Radiation disturbance fully automated test software	Tonscend	JS32-RE (V5.0.0)	DDT-ZC02739	/
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2027/06/25
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2027/07/08
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2027/02/27
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2027/02/27
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2027/02/27
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2027/07/10
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2027/07/10
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2027/07/10
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC05922	2027/01/06
Broadband Preamplifier	HPX	BP-01G-18G	DDT-ZC05923	2027/01/06
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Signal & Spectrum analyzer	R&S	FSV40-N	DDT-ZC04979	2027/07/10
SPECTRUM ANALYZER	R&S	FSU26	DDT-ZC00236	2027/06/25
RF Cable	Tonscend	7+1+1+0.5+0.5m	DDT-ZC05978	2027/01/29
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04

PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
Radiation disturbance fully automated test software	Tonscend	JS-RE&RSE (V5.0.0)	DDT-ZC06466	/

12.2. Block diagram of test setup





12.3. Limits

(1) 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
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&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)
13.36-13.41			

1Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		uV/m	dBuV/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dBuV/m (Peak)	
		54.0 dBuV/m (Average)	

Note:

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

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

$$\text{Limit}_{3\text{m}}(\text{dBuV/m}) = \text{Limit}_{30\text{m}}(\text{dBuV/m}) + 40\text{Log}(30\text{m}/3\text{m})$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits.

12.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

12.5. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

(2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

- (c) Change modulation type of device if practicable.
- (d) Change power supply range from 85% to 115% of the rated supply voltage
- (e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.
- (4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10 on Radiated Emission test.
- (5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.
- (6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

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

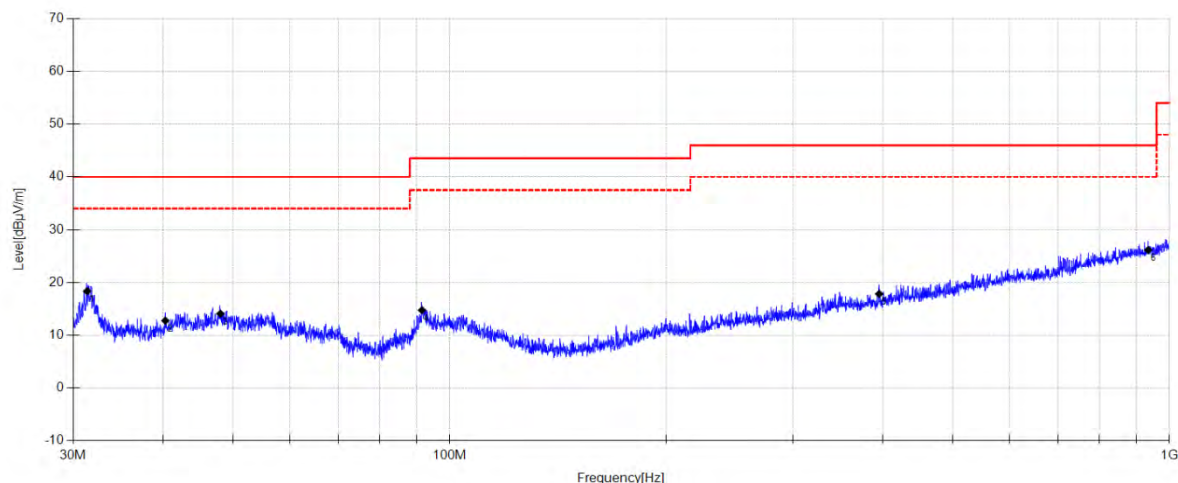
- (7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10 clause 4.1.5.2.2 procedure for average measure.
- (8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.
- (9) 30 MHz ~ 25 GHz: (Scan with all mode, the worst case is record and report)
- (10) For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with the worst mode.
- (11) The worst simultaneous case and was recorded.

12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-31**Tested By:** Li Xiongbin**Test Mode:** 2.4G TX mode**Power Supply:** AC 120V/60Hz**Condition:** Temp:24.5°C;Humi:62.4%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2026 test data\youce\0831 RF\11**Memo:** Sample Number:S26081202-002**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	31.355	36.29	10.57	3.80	18.36	40.00	21.64	QP	Horizontal
2	40.273	28.27	12.88	3.92	12.77	40.00	27.23	QP	Horizontal
3	48.023	28.52	13.90	3.97	14.09	40.00	25.91	QP	Horizontal
4	91.539	32.53	10.26	4.26	14.75	43.50	28.75	QP	Horizontal
5	395.205	29.44	15.21	5.69	17.84	46.00	28.16	QP	Horizontal
6	934.903	28.52	22.10	7.20	26.13	46.00	19.87	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:

2026-08-31

Tested By:

Li Xiongbin

Test Mode:

2.4G TX mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.5°C;Humi:62.4%

Test Site:

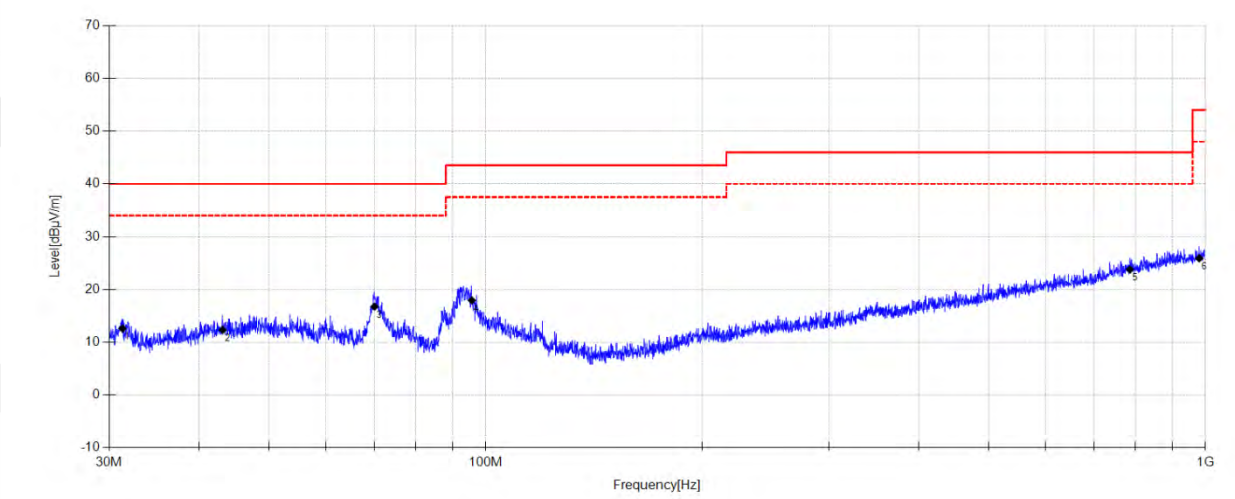
DDT 3# Chamber

File Path:

d:\ts\2026 test data\youce\0831 RF\12

Memo:

Sample Number:S26081202-002



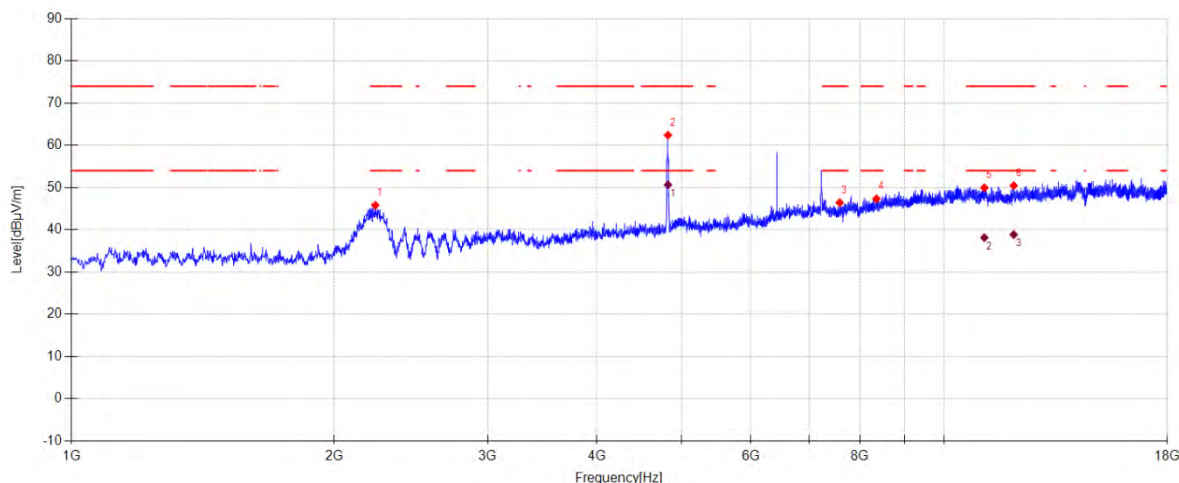
Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	31.289	30.55	10.56	3.80	12.61	40.00	27.39	QP	Vertical
2	43.108	27.09	13.62	3.94	12.35	40.00	27.65	QP	Vertical
3	70.078	35.49	9.38	4.17	16.74	40.00	23.26	QP	Vertical
4	95.673	35.03	10.93	4.28	17.94	43.50	25.56	QP	Vertical
5	785.682	28.76	20.71	6.90	23.78	46.00	22.22	QP	Vertical
6	980.559	27.8	22.22	7.31	25.91	54.00	28.09	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: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX N20 2412MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\16
Memo: Sample Number:S26081202-003

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2229.100	57.73	28.10	-40.04	45.79	74.00	28.21	PK	Horizontal
2	4823.300	70.40	33.29	-41.29	62.40	74.00	11.60	PK	Horizontal
3	7587.500	49.09	37.18	-39.85	46.42	74.00	27.58	PK	Horizontal
4	8357.600	48.35	38.02	-39.04	47.33	74.00	26.67	PK	Horizontal
5	11108.200	45.35	39.72	-35.13	49.94	74.00	24.06	PK	Horizontal
6	12004.100	45.33	39.80	-34.68	50.45	74.00	23.55	PK	Horizontal

Final Data List

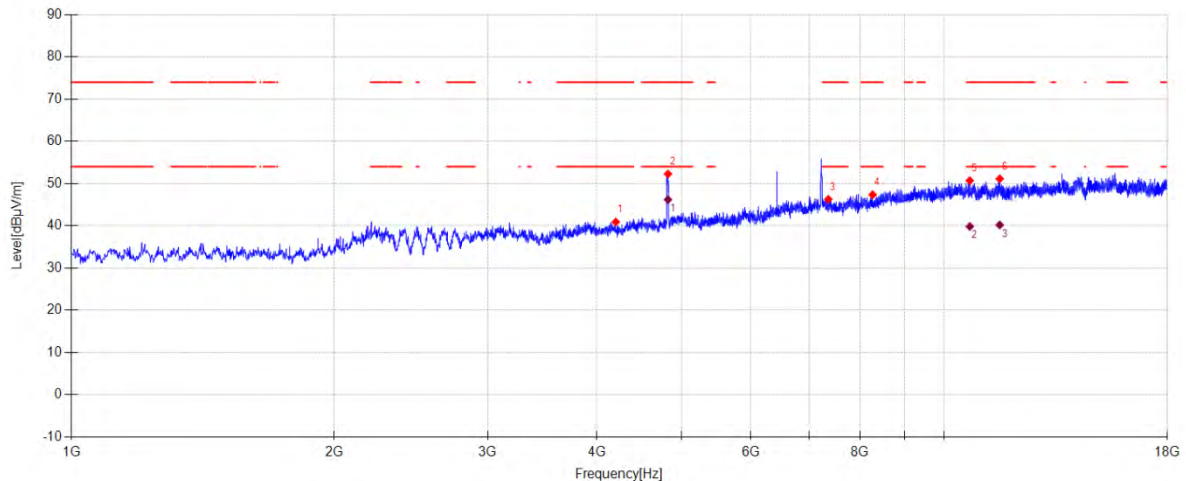
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4824.061	58.63	33.29	-41.29	50.63	54.00	3.37	AV	Horizontal
2	11108.200	33.52	39.72	-35.13	38.11	54.00	15.89	AV	Horizontal
3	12004.100	33.72	39.80	-34.68	38.84	54.00	15.16	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX N20 2412MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\17
Memo: Sample Number:S26081202-003

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4202.800	50.19	31.91	-41.22	40.88	74.00	33.12	PK	Vertical
2	4823.300	60.27	33.29	-41.29	52.27	74.00	21.73	PK	Vertical
3	7361.400	48.61	37.35	-39.70	46.26	74.00	27.74	PK	Vertical
4	8274.300	48.51	37.95	-39.11	47.35	74.00	26.65	PK	Vertical
5	10690.000	46.46	39.98	-35.76	50.68	74.00	23.32	PK	Vertical
6	11568.900	46.68	39.66	-35.22	51.12	74.00	22.88	PK	Vertical

Final Data List

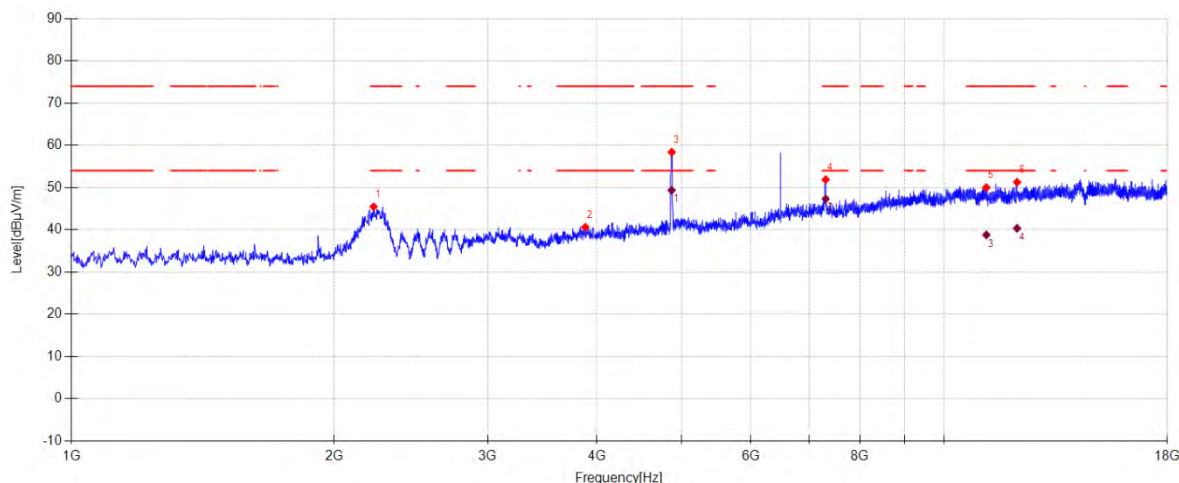
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4823.300	54.18	33.29	-41.29	46.18	54.00	7.82	AV	Vertical
2	10690.000	35.60	39.98	-35.76	39.82	54.00	14.18	AV	Vertical
3	11568.900	35.74	39.66	-35.22	40.18	54.00	13.82	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX N20 2437MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\18
Memo: Sample Number:S26081202-003

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2218.900	57.39	28.10	-40.04	45.45	74.00	28.55	PK	Horizontal
2	3878.100	49.89	31.56	-40.85	40.60	74.00	33.40	PK	Horizontal
3	4870.900	66.21	33.44	-41.27	58.38	74.00	15.62	PK	Horizontal
4	7310.400	53.88	37.64	-39.67	51.85	74.00	22.15	PK	Horizontal
5	11167.700	45.44	39.84	-35.28	50.00	74.00	24.00	PK	Horizontal
6	12109.500	46.31	39.90	-34.96	51.25	74.00	22.75	PK	Horizontal

Final Data List

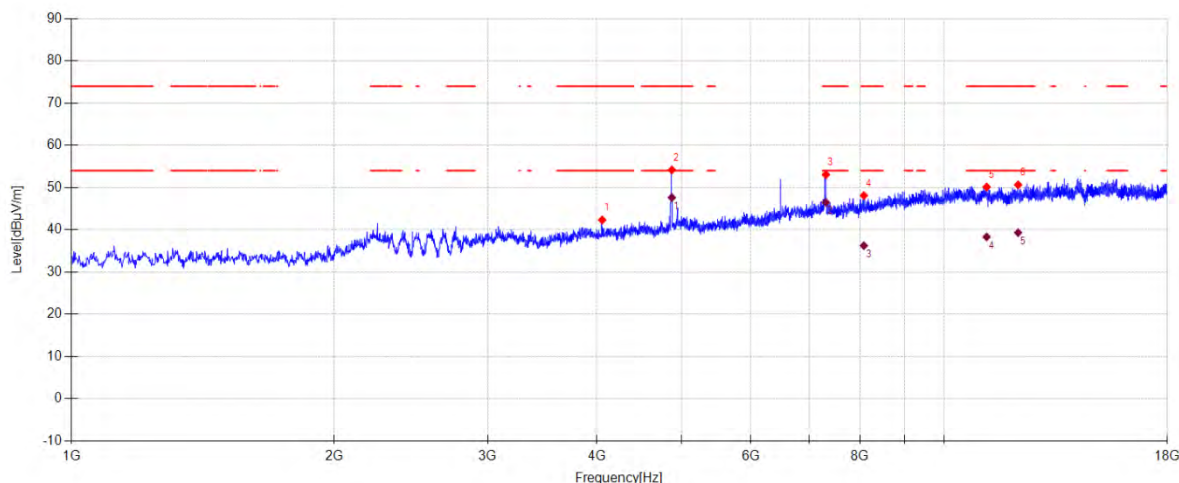
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4870.131	57.17	33.44	-41.27	49.34	54.00	4.66	AV	Horizontal
2	7310.400	49.34	37.64	-39.67	47.31	54.00	6.69	AV	Horizontal
3	11167.700	34.20	39.84	-35.28	38.76	54.00	15.24	AV	Horizontal
4	12109.500	35.39	39.90	-34.96	40.33	54.00	13.67	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX N20 2437MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\19
Memo: Sample Number:S26081202-003

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4054.900	51.78	31.60	-41.07	42.31	74.00	31.69	PK	Vertical
2	4872.600	61.98	33.45	-41.27	54.16	74.00	19.84	PK	Vertical
3	7315.500	55.11	37.61	-39.67	53.05	74.00	20.95	PK	Vertical
4	8085.600	49.45	37.90	-39.26	48.09	74.00	25.91	PK	Vertical
5	11176.200	45.58	39.85	-35.30	50.13	74.00	23.87	PK	Vertical
6	12143.500	45.91	39.90	-35.17	50.64	74.00	23.36	PK	Vertical

Final Data List

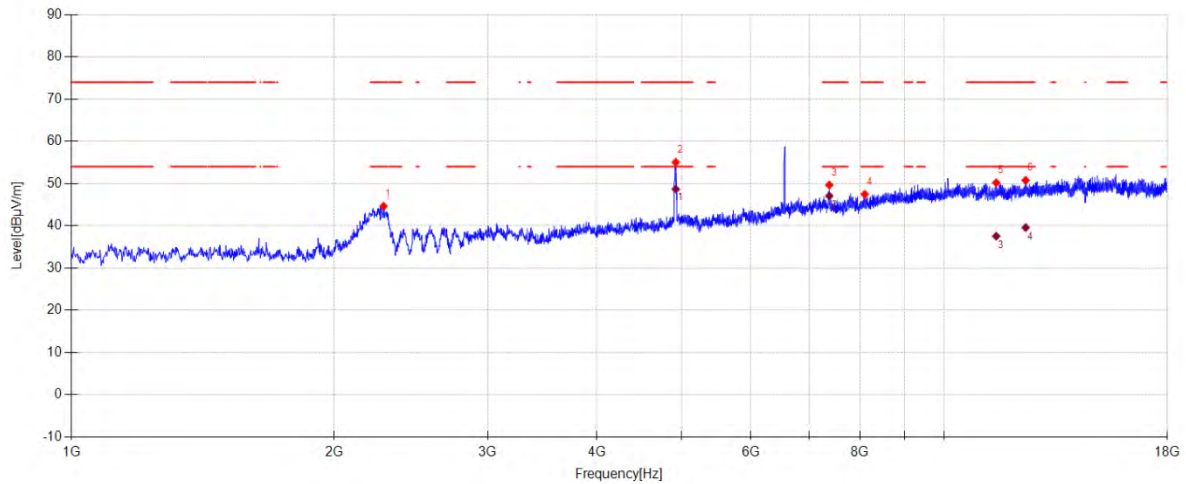
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4872.600	55.45	33.45	-41.27	47.63	54.00	6.37	AV	Vertical
2	7315.500	48.53	37.61	-39.67	46.47	54.00	7.53	AV	Vertical
3	8085.600	37.59	37.90	-39.26	36.23	54.00	17.77	AV	Vertical
4	11176.200	33.74	39.85	-35.30	38.29	54.00	15.71	AV	Vertical
5	12143.500	34.56	39.90	-35.17	39.29	54.00	14.71	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX N20 2462MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\20
Memo: Sample Number:S26081202-003

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2278.400	56.57	28.10	-40.06	44.61	74.00	29.39	PK	Horizontal
2	4923.600	62.54	33.59	-41.11	55.02	74.00	18.98	PK	Horizontal
3	7381.800	52.10	37.27	-39.72	49.65	74.00	24.35	PK	Horizontal
4	8102.600	48.73	37.90	-39.18	47.45	74.00	26.55	PK	Horizontal
5	11461.800	46.14	39.88	-35.83	50.19	74.00	23.81	PK	Horizontal
6	12388.300	45.69	39.71	-34.64	50.76	74.00	23.24	PK	Horizontal

Final Data List

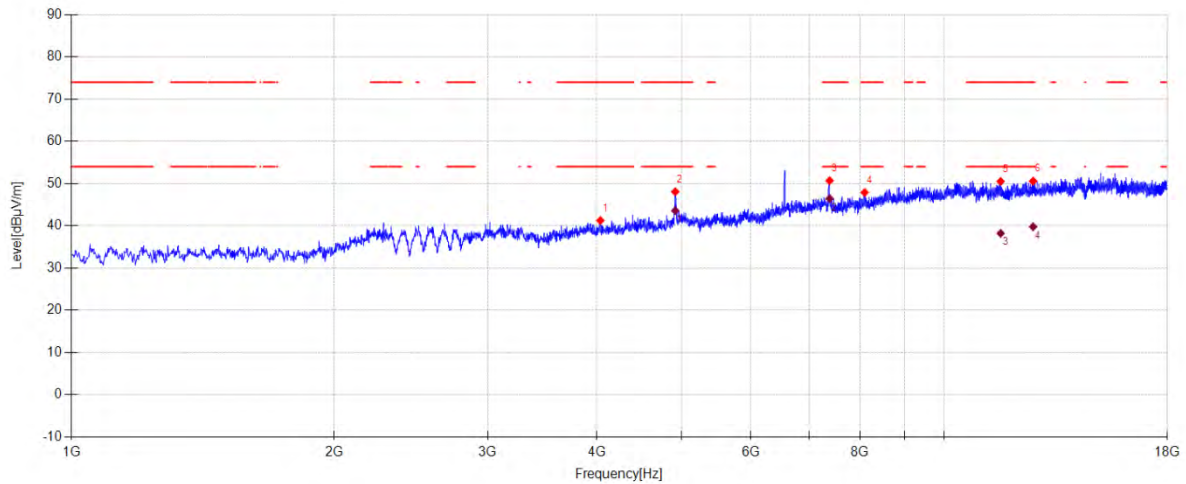
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4923.600	56.19	33.59	-41.11	48.67	54.00	5.33	AV	Horizontal
2	7381.800	49.50	37.27	-39.72	47.05	54.00	6.95	AV	Horizontal
3	11461.800	33.47	39.88	-35.83	37.52	54.00	16.48	AV	Horizontal
4	12388.300	34.50	39.71	-34.64	39.57	54.00	14.43	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX N20 2462MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\21
Memo: Sample Number:S26081202-003

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4036.200	50.84	31.60	-41.20	41.24	74.00	32.76	PK	Vertical
2	4916.800	55.63	33.57	-41.15	48.05	74.00	25.95	PK	Vertical
3	7386.900	53.15	37.25	-39.72	50.68	74.00	23.32	PK	Vertical
4	8102.600	49.17	37.90	-39.18	47.89	74.00	26.11	PK	Vertical
5	11597.800	45.91	39.60	-35.02	50.49	74.00	23.51	PK	Vertical
6	12633.100	45.56	40.10	-35.08	50.58	74.00	23.42	PK	Vertical

Final Data List

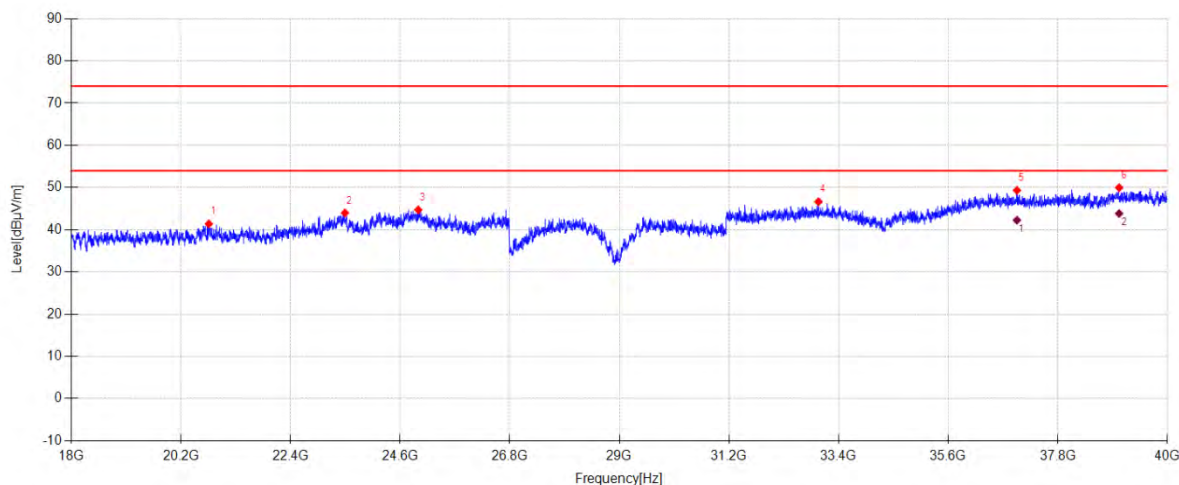
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4916.800	51.14	33.57	-41.15	43.56	54.00	10.44	AV	Vertical
2	7386.900	48.89	37.25	-39.72	46.42	54.00	7.58	AV	Vertical
3	11597.800	33.62	39.60	-35.02	38.20	54.00	15.80	AV	Vertical
4	12633.100	34.74	40.10	-35.08	39.76	54.00	14.24	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-25 **Tested By:** Cao Jie
Test Mode: TX 11N20 2412MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\39
Memo: Sample Number:S26081202-003



Suspected Data List

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	20761.079	49.60	38.33	3.76	41.37	74.00	32.63	PK	Horizontal
2	23492.614	50.88	39.20	4.70	43.98	74.00	30.02	PK	Horizontal
3	24964.473	50.24	39.58	4.74	44.71	74.00	29.29	PK	Horizontal
4	32997.925	47.62	41.60	5.36	46.64	74.00	27.36	PK	Horizontal
5	36981.077	49.71	42.90	6.06	49.33	74.00	24.67	PK	Horizontal
6	39033.085	47.44	45.93	6.59	49.97	74.00	24.03	PK	Horizontal

Final Data List

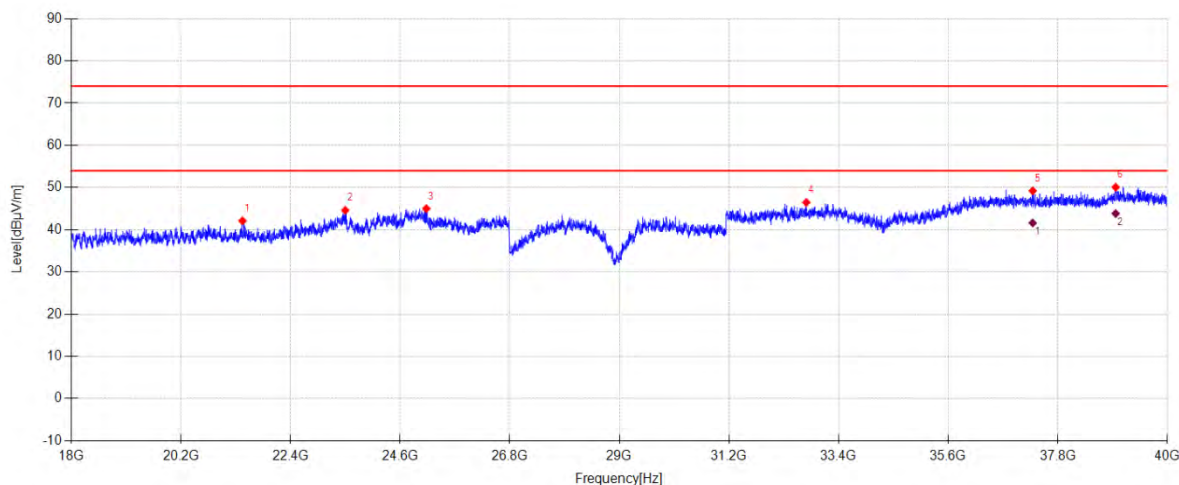
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	36981.077	42.64	42.90	6.06	42.26	54.00	11.74	AV	Horizontal
2	39033.085	41.30	45.93	6.59	43.83	54.00	10.17	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-25 **Tested By:** Cao Jie
Test Mode: TX 11N20 2412MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\40
Memo: Sample Number:S26081202-003



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	21435.234	50.63	38.44	3.87	42.10	74.00	31.90	PK	Vertical
2	23497.986	51.50	39.20	4.70	44.61	74.00	29.39	PK	Vertical
3	25125.626	50.53	39.56	4.78	45.00	74.00	29.00	PK	Vertical
4	32753.510	47.63	41.50	5.26	46.47	74.00	27.53	PK	Vertical
5	37298.010	49.80	43.20	5.46	49.21	74.00	24.79	PK	Vertical
6	38963.252	47.62	45.83	6.53	50.07	74.00	23.93	PK	Vertical

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	37298.010	42.19	43.20	5.46	41.60	54.00	12.40	AV	Vertical
2	38963.252	41.38	45.83	6.53	43.83	54.00	10.17	AV	Vertical

Note:

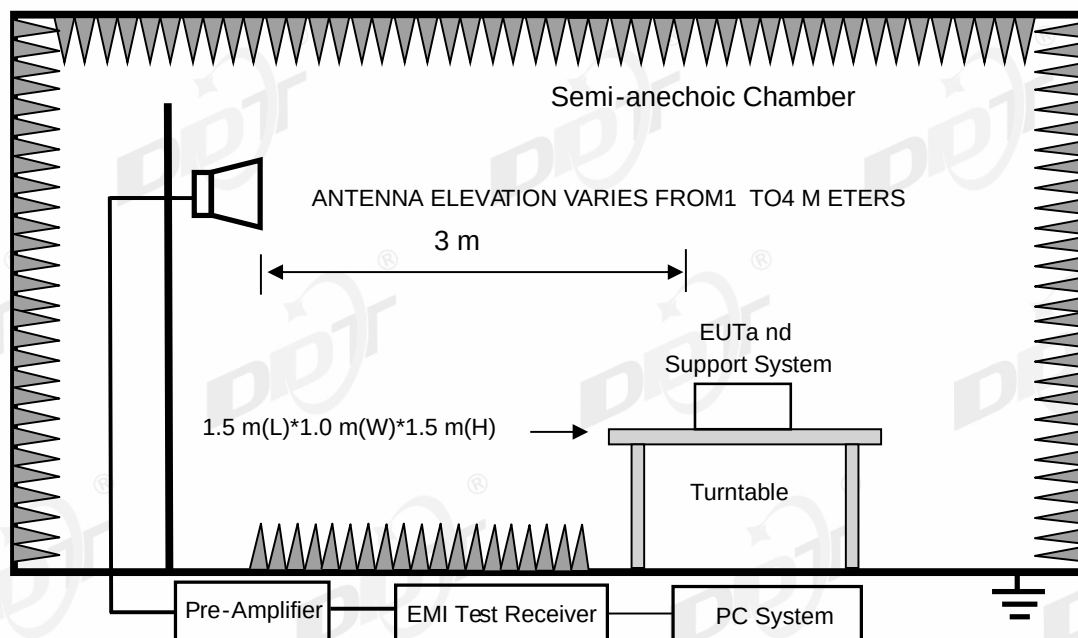
1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC05922	2027/01/06
Broadband Preamplifier	HPX	BP-01G-18G	DDT-ZC05923	2027/01/06
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Signal & Spectrum analyzer	R&S	FSV40-N	DDT-ZC04979	2027/07/10
SPECTRUM ANALYZER	R&S	FSU26	DDT-ZC00236	2027/06/25
RF Cable	Tonscend	7+1+1+0.5+0.5m	DDT-ZC05978	2027/01/29
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
Radiation disturbance fully automated test software	Tonscend	JS-RE&RSE (V5.0.0)	DDT-ZC06466	/

13.2. Block diagram of test setup



13.3. Limits

All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

13.5. Test procedure

Same with Radiated Emission except change investigated frequency range.

Remark: All restriction band have been tested, and only the worst case is shown in report.

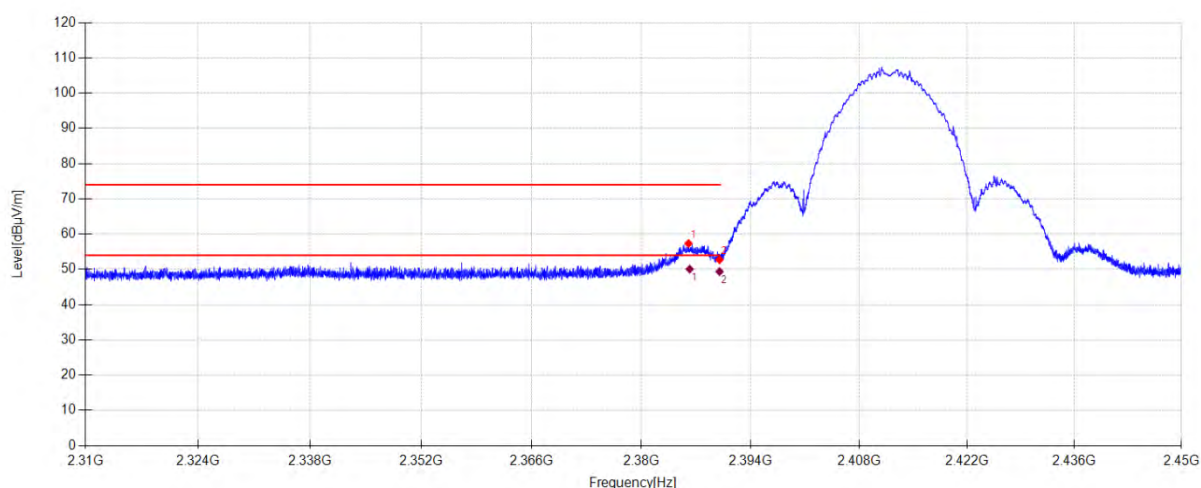
13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX 11B 2412MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\30
Memo: Sample Number:S26081202-003



Suspected Data List

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2386.034	55.33	28.17	-26.15	57.35	74.00	16.65	PK	Horizontal
2	2390.000	50.71	28.18	-26.15	52.74	74.00	21.26	PK	Horizontal

Final Data List

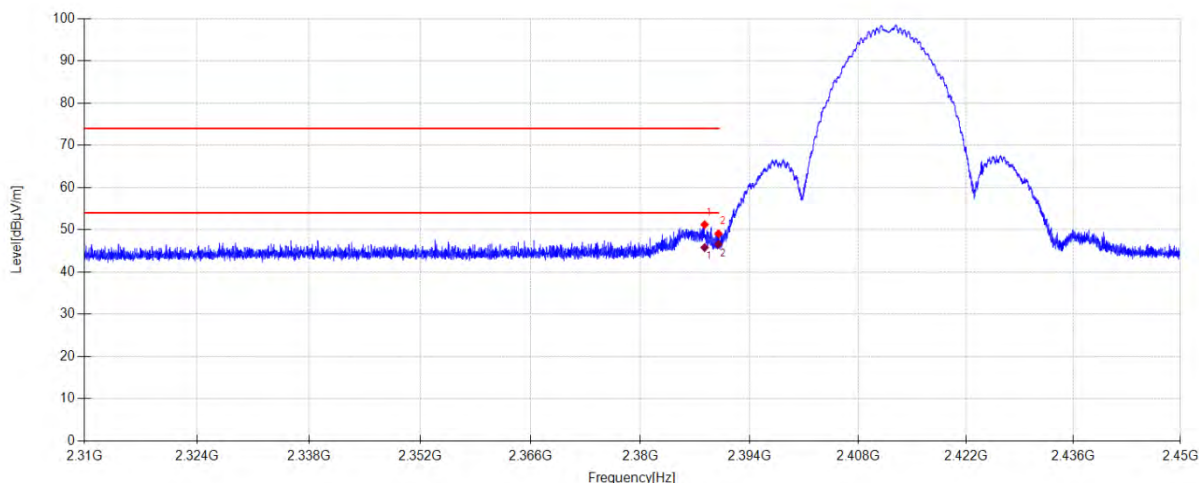
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2386.180	48.06	28.17	-26.15	50.08	54.00	3.92	AV	Horizontal
2	2390.000	47.35	28.18	-26.15	49.38	54.00	4.62	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX 11B 2412MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\31
Memo: Sample Number:S26081202-003



Suspected Data List

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2388.218	49.18	28.18	-26.15	51.21	74.00	22.79	PK	Vertical
2	2390.000	47.02	28.18	-26.15	49.05	74.00	24.95	PK	Vertical

Final Data List

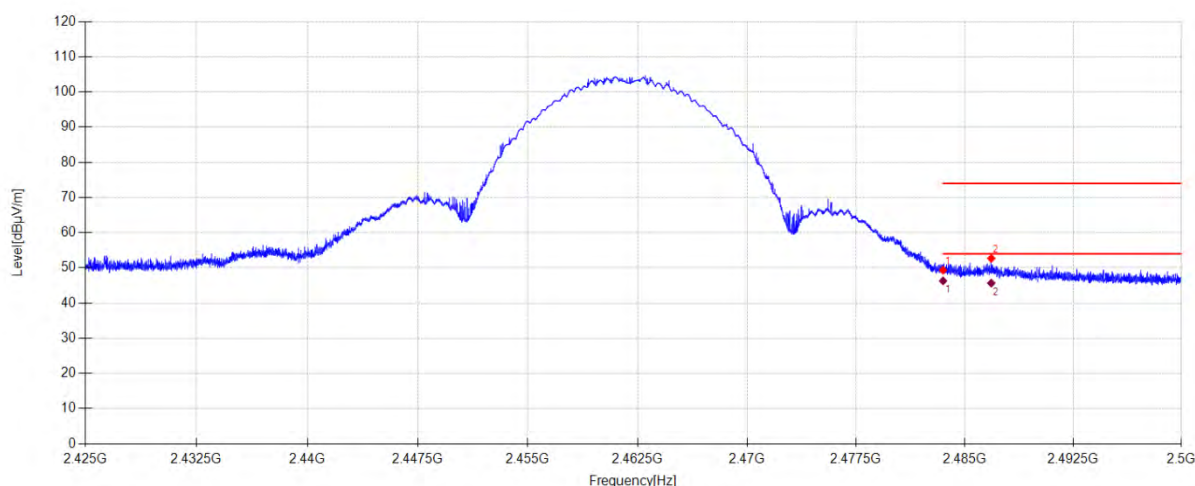
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2388.218	43.75	28.18	-26.15	45.78	54.00	8.22	AV	Vertical
2	2390.000	44.51	28.18	-26.15	46.54	54.00	7.46	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX 11B 2462MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\32
Memo: Sample Number:S26081202-003



Suspected Data List

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	46.91	28.60	-26.14	49.37	74.00	24.63	PK	Horizontal
2	2486.830	50.24	28.62	-26.14	52.72	74.00	21.28	PK	Horizontal

Final Data List

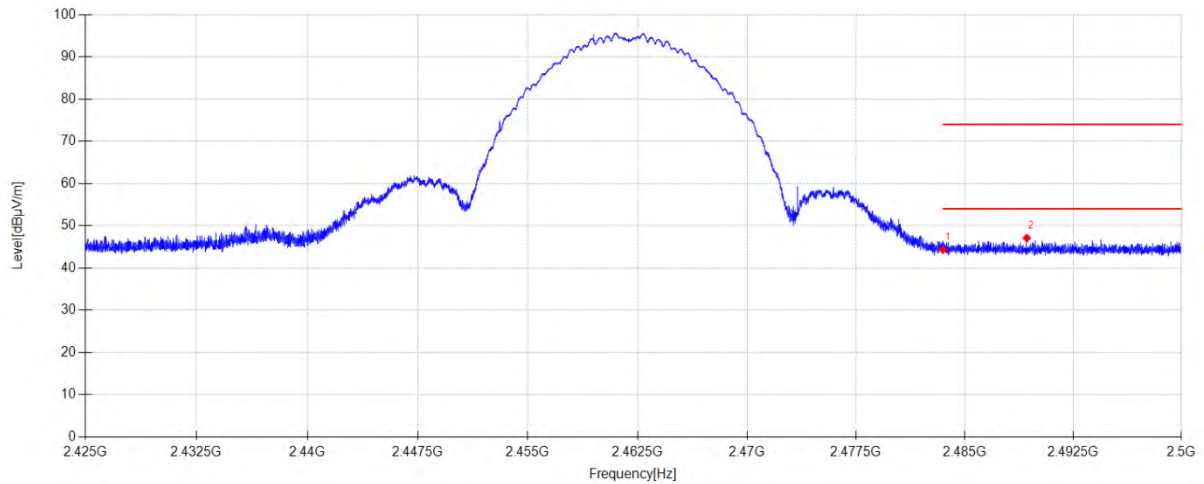
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	43.85	28.60	-26.14	46.31	54.00	7.69	AV	Horizontal
2	2486.830	43.18	28.62	-26.14	45.66	54.00	8.34	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX 11G 2462MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\33
Memo: Sample Number:S26081202-003

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	41.86	28.60	-26.14	44.32	74.00	29.68	PK	Vertical
2	2489.283	44.58	28.64	-26.14	47.08	74.00	26.92	PK	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18

Tested By: Liang Rijing

Test Mode: TX 11G 2412MHz Mode

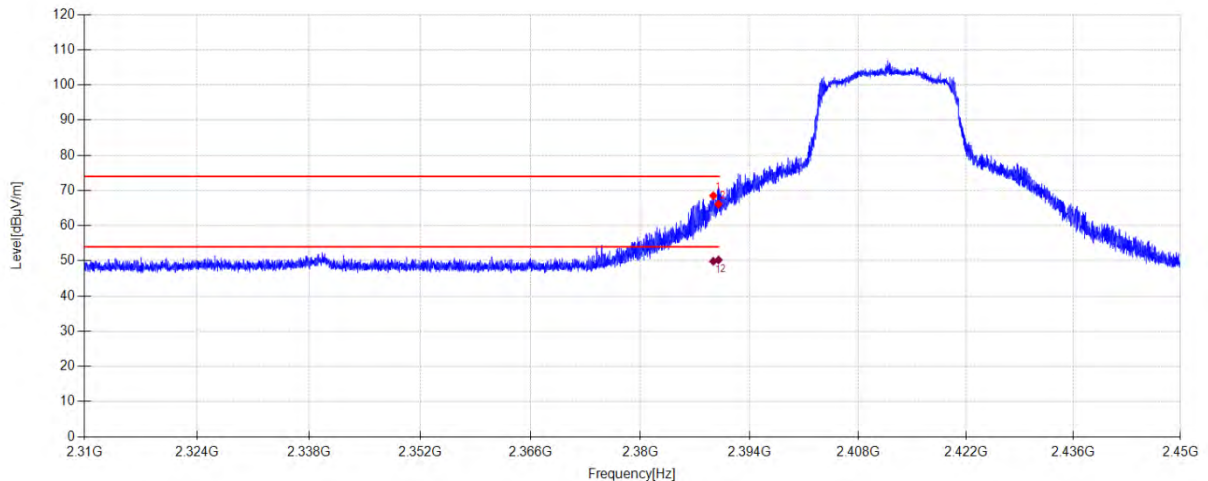
Power Supply: Battery

Condition: Temp:23.5°C;Humi:56.2%

Test Site: 4# Fully Anechoic Room

File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\35

Memo: Sample Number:S26081202-003



Suspected Data List

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.338	66.50	28.18	-26.15	68.53	74.00	5.47	PK	Horizontal
2	2390.000	64.07	28.18	-26.15	66.10	74.00	7.90	PK	Horizontal

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.338	47.85	28.18	-26.15	49.88	54.00	4.12	AV	Horizontal
2	2390.000	48.24	28.18	-26.15	50.27	54.00	3.73	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-08-18

Tested By:

Liang Rijing

Test Mode:

TX 11G 2412MHz Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:56.2%

Test Site:

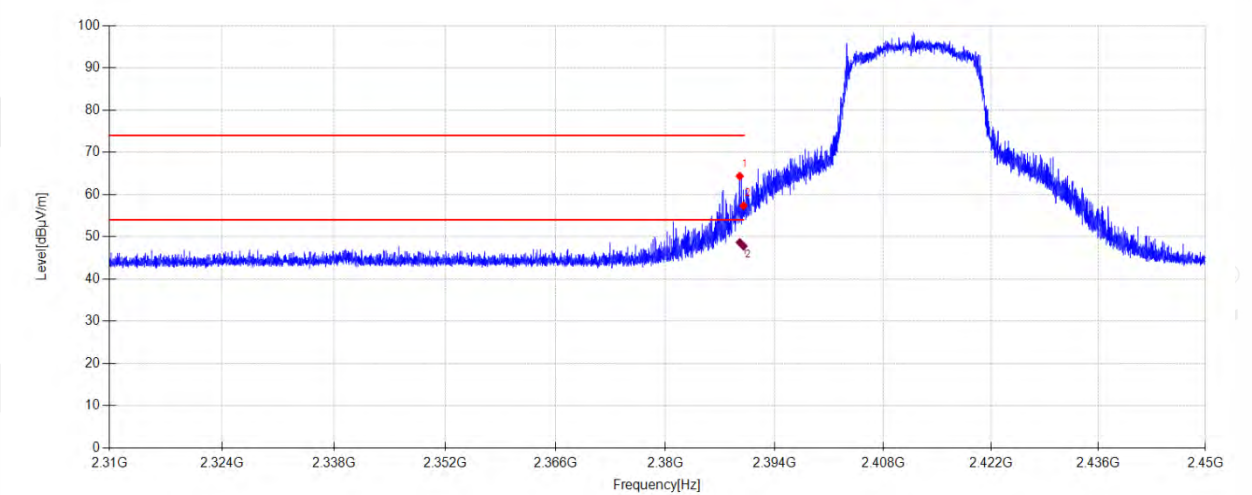
4# Fully Anechoic Room

File Path:

d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\36

Memo:

Sample Number:S26081202-003



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.520	62.32	28.18	-26.15	64.35	74.00	9.65	PK	Vertical
2	2390.000	55.31	28.18	-26.15	57.34	74.00	16.66	PK	Vertical

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.520	46.62	28.18	-26.15	48.65	54.00	5.35	AV	Vertical
2	2390.000	45.75	28.18	-26.15	47.78	54.00	6.22	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-08-18

Tested By:

Liang Rijing

Test Mode:

TX 11G 2462MHz Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:56.2%

Test Site:

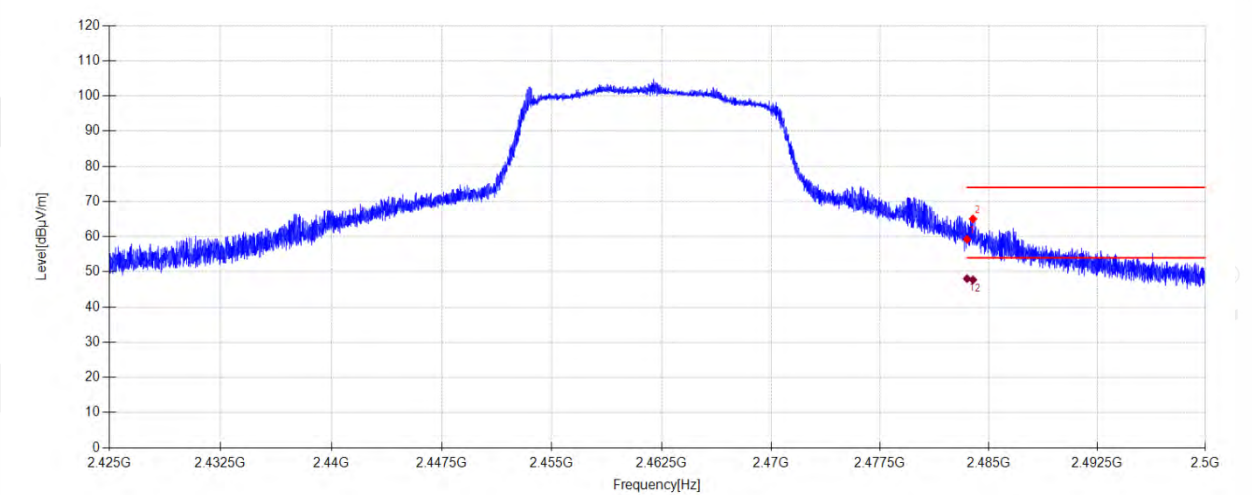
4# Fully Anechoic Room

File Path:

d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\37

Memo:

Sample Number:S26081202-003



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	56.81	28.60	-26.14	59.27	74.00	14.73	PK	Horizontal
2	2483.913	62.59	28.60	-26.14	65.05	74.00	8.95	PK	Horizontal

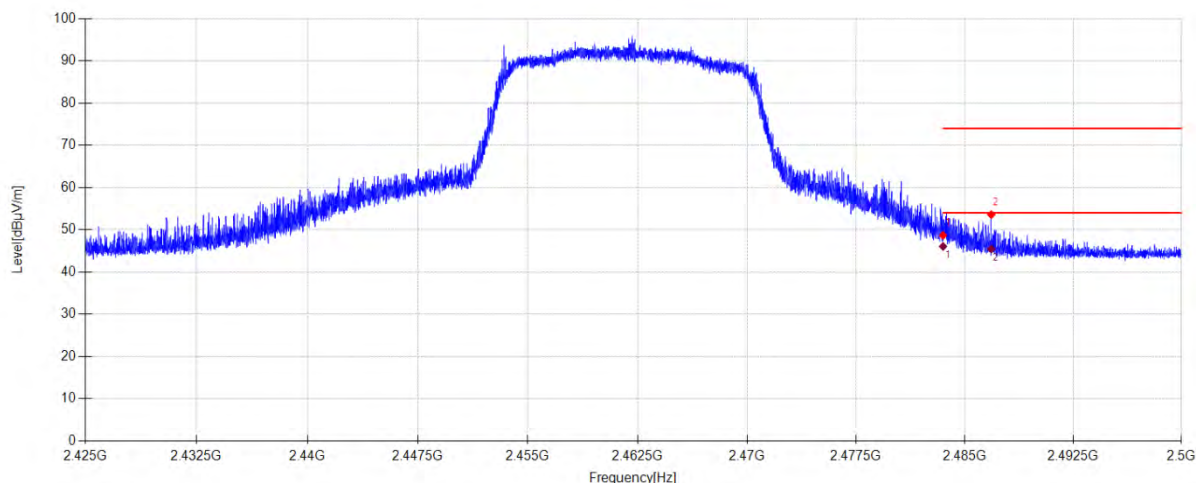
Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	45.62	28.60	-26.14	48.08	54.00	5.92	AV	Horizontal
2	2483.913	45.29	28.60	-26.14	47.75	54.00	6.25	AV	Horizontal

Note:

- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX 11G 2462MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\38
Memo: Sample Number:S26081202-003



Suspected Data List

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	46.20	28.60	-26.14	48.66	74.00	25.34	PK	Vertical
2	2486.830	51.10	28.62	-26.14	53.58	74.00	20.42	PK	Vertical

Final Data List

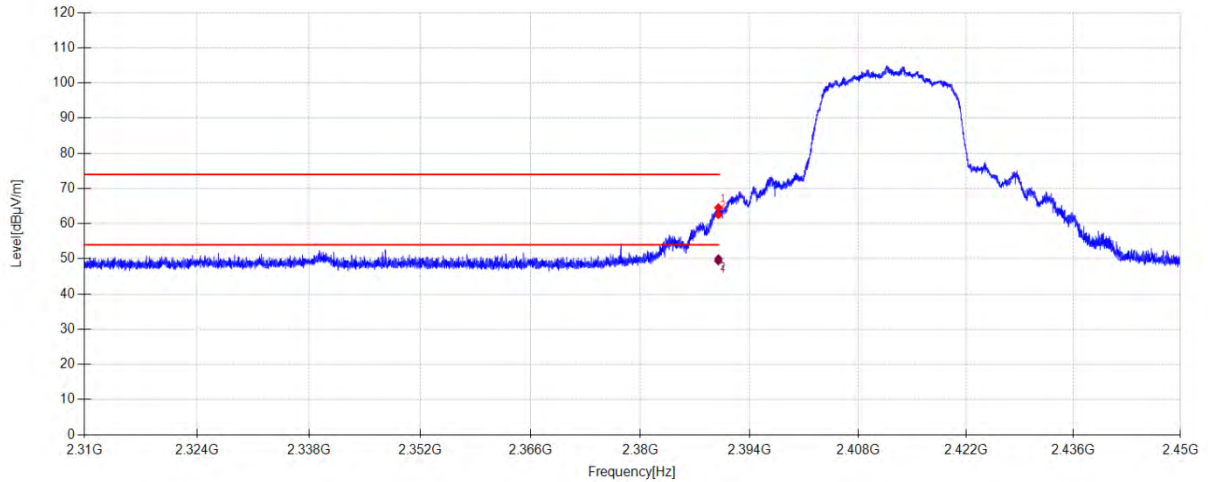
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	43.58	28.60	-26.14	46.04	54.00	7.96	AV	Vertical
2	2486.830	42.95	28.62	-26.14	45.43	54.00	8.57	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX N20 2412MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\22
Memo: Sample Number:S26081202-003



Suspected Data List

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.982	62.55	28.18	-26.15	64.58	74.00	9.42	PK	Horizontal
2	2390.000	60.51	28.18	-26.15	62.54	74.00	11.46	PK	Horizontal

Final Data List

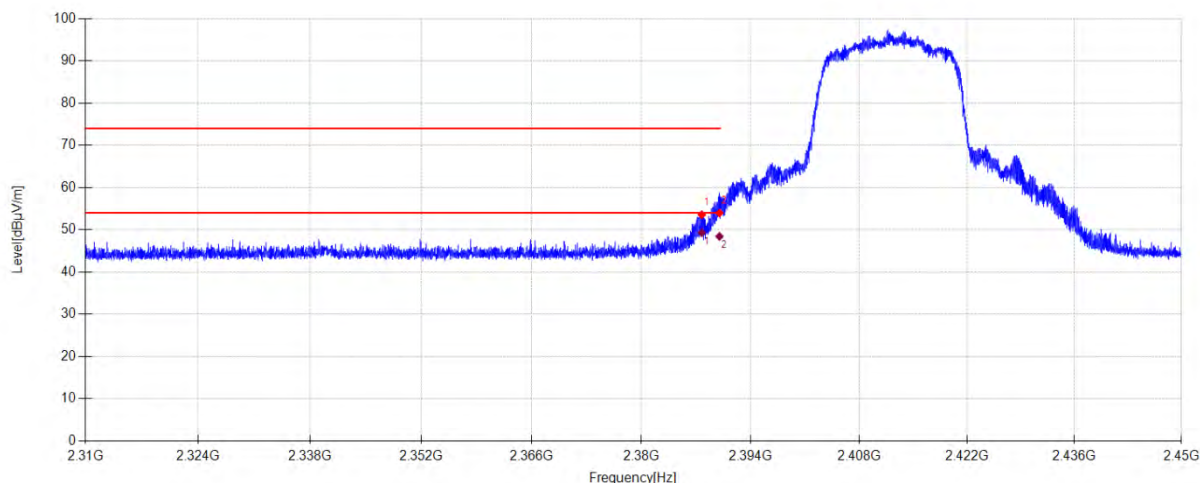
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.982	47.38	28.18	-26.15	49.41	54.00	4.59	AV	Horizontal
2	2389.996	48.04	28.18	-26.15	50.07	54.00	3.93	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-18 **Tested By:** Liang Rijing
Test Mode: TX N20 2412MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:56.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\23
Memo: Sample Number:S26081202-003

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2387.728	51.52	28.18	-26.15	53.55	74.00	20.45	PK	Vertical
2	2390.000	51.93	28.18	-26.15	53.96	74.00	20.04	PK	Vertical

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2387.728	47.26	28.18	-26.15	49.29	54.00	4.71	AV	Vertical
2	2390.000	46.38	28.18	-26.15	48.41	54.00	5.59	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-08-18

Tested By:

Liang Rijing

Test Mode:

TX N20 2462MHz Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:56.2%

Test Site:

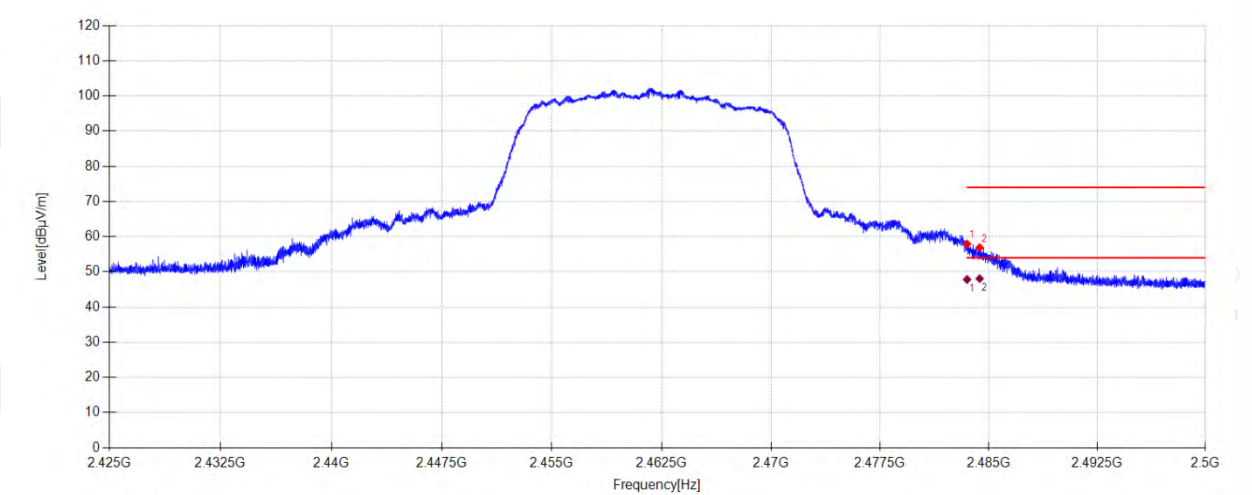
4# Fully Anechoic Room

File Path:

d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\24

Memo:

Sample Number:S26081202-003



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	55.46	28.60	-26.14	57.92	74.00	16.08	PK	Horizontal
2	2484.370	54.44	28.61	-26.14	56.91	74.00	17.09	PK	Horizontal

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	45.38	28.60	-26.14	47.84	54.00	6.16	AV	Horizontal
2	2484.370	45.61	28.61	-26.14	48.08	54.00	5.92	AV	Horizontal

Note:

- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-08-18

Tested By:

Liang Rijing

Test Mode:

TX N20 2462MHz Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:56.2%

Test Site:

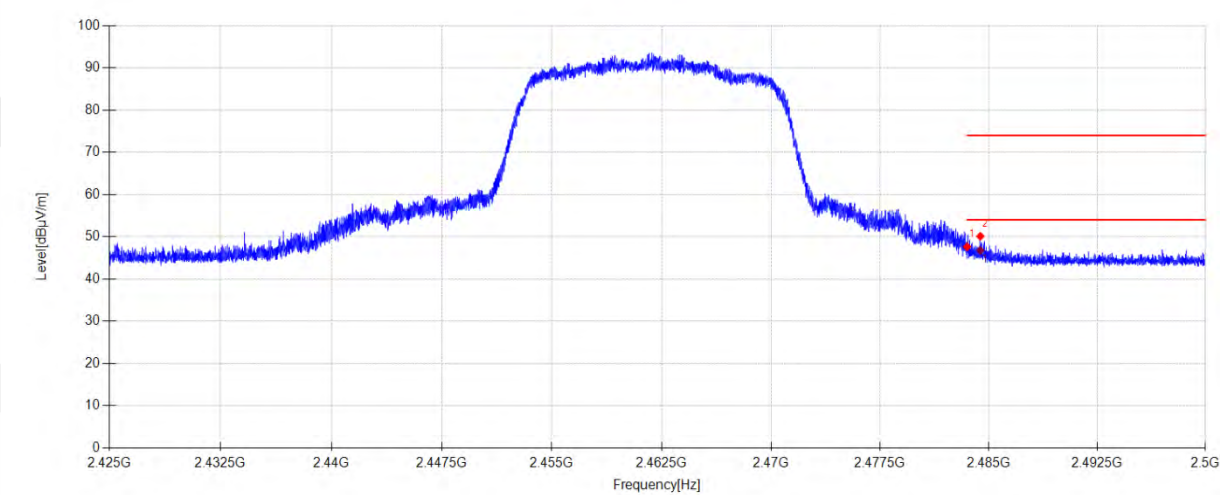
4# Fully Anechoic Room

File Path:

d:\ts\2026 fcc report date\Q26081202-2E\FCC ABOVE 1G 2.4G\25

Memo:

Sample Number:S26081202-003



Suspected Data List									
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	45.16	28.60	-26.14	47.62	74.00	26.38	PK	Vertical
2	2484.415	47.63	28.61	-26.14	50.10	74.00	23.90	PK	Vertical

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2484.415	44.28	28.61	-26.14	46.75	54.00	7.25	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

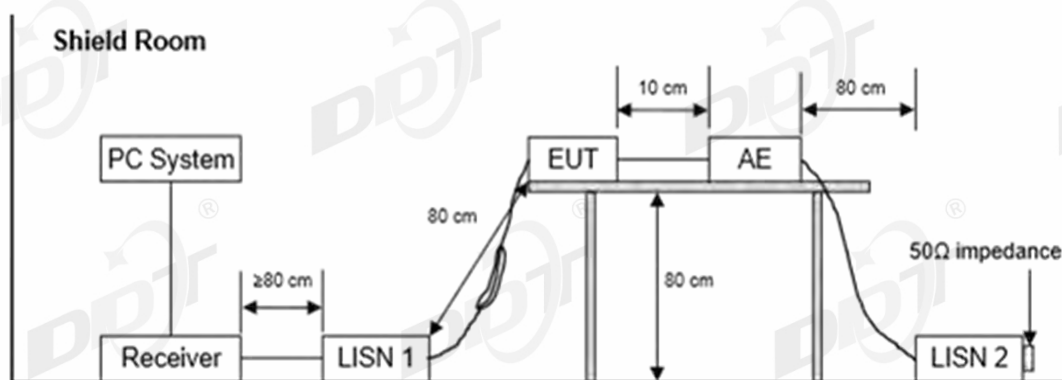
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Receiver	R&S	ESCI 3	DDT-ZC00235	2027/06/10
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2027/06/14
Pulse Limiter	SCHWARZBECK	ESH3-Z2	DDT-ZC00539	2027/06/10
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2027/06/21
Conducted & Radiated Software	Audix	e3	DDT-ZC00562	/
Two-line V-shaped artificial network	ROHDE&SCHWARZ	ENV216	DDT-ZC05693	2026/11/04
Artificial mains	R&S	ESH2-Z5	DDT-ZC00538	2027/06/09

14.2. Block diagram of test setup



14.3. Limits

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

14.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "----" means Peak detection; "----" means Average detection.

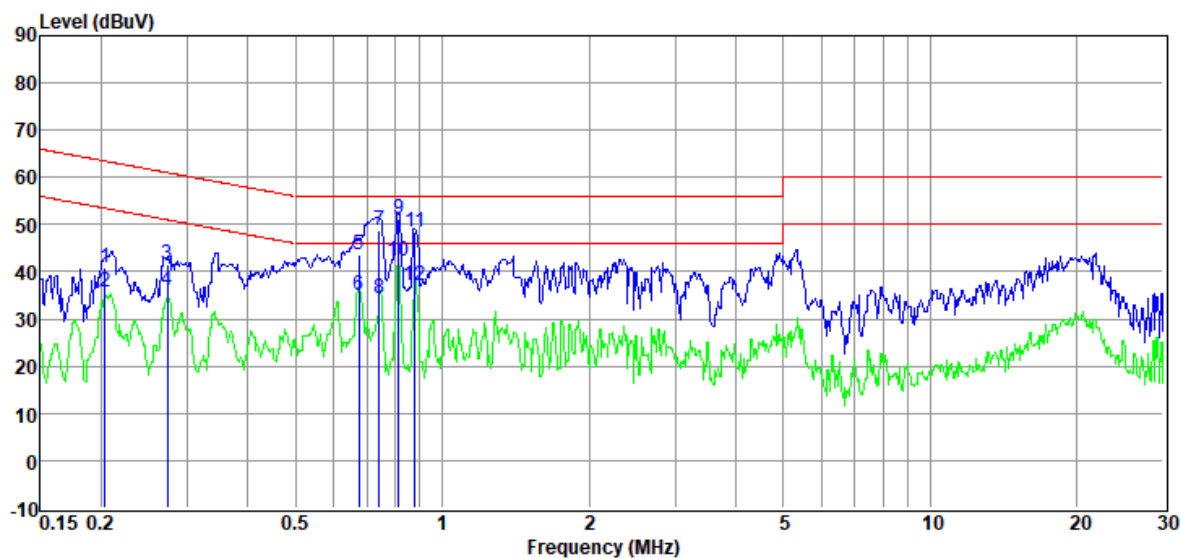
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 1# Shield Room	D:\2026 CE Test Data\Y\youce\0831 CE.EM6
Test Date	: 2026-08-31	Tested By : Jackey Mao
EUT	: Ceiling Fan	Model Number : GL37055
Power Supply	: AC 120V/60Hz	Test Mode : 2.4G TX Mode
Condition	: TEMP:23.7°C, RH:63.0%	LISN : 2026 1# ENV 216/LINE
Memo	:	

Data: 6



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.20	21.43	9.58	0.00	9.87	40.88	63.45	22.57	QP	LINE
2	0.20	16.25	9.58	0.00	9.87	35.70	53.45	17.75	Average	LINE
3	0.27	22.12	9.57	0.00	9.87	41.56	61.03	19.47	QP	LINE
4	0.27	16.55	9.57	0.00	9.87	35.99	51.03	15.04	Average	LINE
5	0.68	24.04	9.58	0.01	9.87	43.50	56.00	12.50	QP	LINE
6	0.68	15.42	9.58	0.01	9.87	34.88	46.00	11.12	Average	LINE
7	0.74	29.44	9.58	0.01	9.87	48.90	56.00	7.10	QP	LINE
8	0.74	14.80	9.58	0.01	9.87	34.26	46.00	11.74	Average	LINE
9	0.81	31.67	9.59	0.01	9.87	51.14	56.00	4.86	QP	LINE
10	0.81	22.66	9.59	0.01	9.87	42.13	46.00	3.87	Average	LINE
11	0.88	28.82	9.59	0.01	9.87	48.29	56.00	7.71	QP	LINE
12	0.88	17.53	9.59	0.01	9.87	37.00	46.00	9.00	Average	LINE

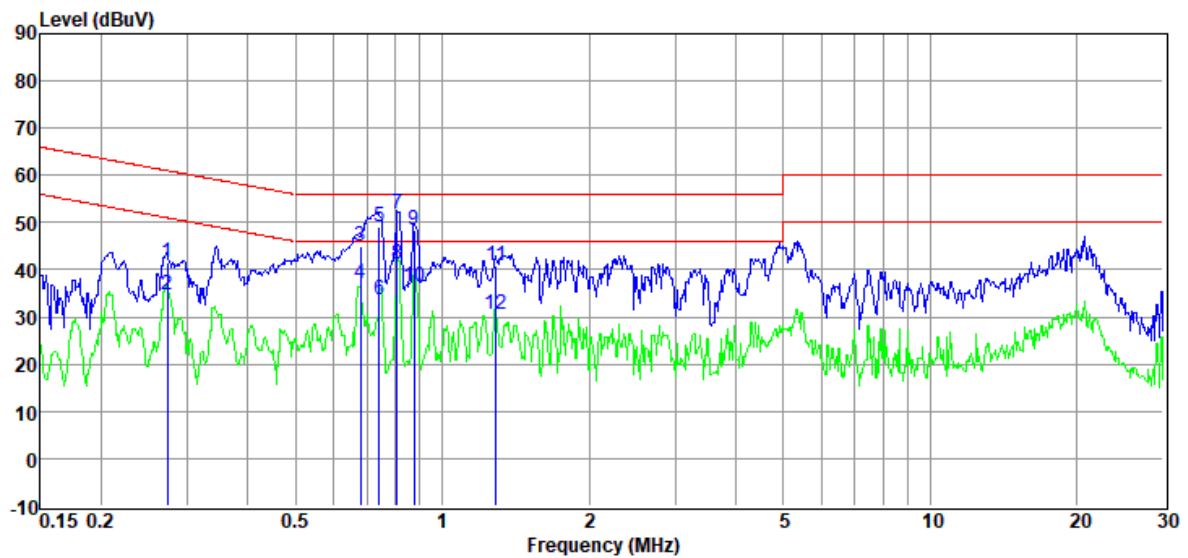
Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room D:\2026 CE Test Data\Y\youce\0831 CE.EM6
Test Date : 2026-08-31 Tested By : Jackey Mao
EUT : Ceiling Fan Model Number : GL37055
Power Supply : AC 120V/60Hz Test Mode : 2.4G TX Mode
Condition : TEMP:23.7°C, RH:63.0% LISN : 2026 1# ENV 216/NEUTRAL
Memo :

Data: 8



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.27	22.16	9.60	0.00	9.87	41.63	61.03	19.40	QP	NEUTRAL
2	0.27	15.23	9.60	0.00	9.87	34.70	51.03	16.33	Average	NEUTRAL
3	0.68	25.51	9.59	0.01	9.87	44.98	56.00	11.02	QP	NEUTRAL
4	0.68	17.47	9.59	0.01	9.87	36.94	46.00	9.06	Average	NEUTRAL
5	0.74	29.66	9.59	0.01	9.87	49.13	56.00	6.87	QP	NEUTRAL
6	0.74	14.17	9.59	0.01	9.87	33.64	46.00	12.36	Average	NEUTRAL
7	0.81	32.35	9.60	0.01	9.87	51.83	56.00	4.17	QP	NEUTRAL
8	0.81	21.79	9.60	0.01	9.87	41.27	46.00	4.73	Average	NEUTRAL
9	0.88	28.78	9.60	0.01	9.87	48.26	56.00	7.74	QP	NEUTRAL
10	0.88	16.86	9.60	0.01	9.87	36.34	46.00	9.66	Average	NEUTRAL
11	1.29	21.38	9.59	0.01	9.87	40.85	56.00	15.15	QP	NEUTRAL
12	1.29	11.19	9.59	0.01	9.87	30.66	46.00	15.34	Average	NEUTRAL

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

16. Photos of the EUT

Please refer to DDT-Q26081202-2E appendix I

-----End Report-----