



RADIO TEST REPORT

Applicant	:	GVS SMART CO., LTD.
Address of Applicant	:	3/F, Building 5, No.9/4th, Lanyu Street, Huangpu District, Guangzhou 510730, China.
Manufacturer	:	GVS SMART CO., LTD.
Address of Manufacturer	:	3/F, Building 5, No.9/4th, Lanyu Street, Huangpu District, Guangzhou 510730, China.
Equipment under Test	:	KNX Smart Touch S7
Model No.	:	CHTI-7.0/120.1.23, CHTI-7.0/120.1.22
FCC ID	:	2BXJRCHTI7012012
IC	:	36018-CHTI7012012
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-RE26061901-2E03
Issue Date	:	2026/09/04
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	:	GVS SMART CO., LTD.
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Equipment under Test	:	KNX Smart Touch S7
Model No.	:	CHTI-7.0/120.1.23, CHTI-7.0/120.1.22
Manufacturer	:	GVS SMART CO., LTD.
Address of Manufacturer	:	3/F, Building 5, No.9/4th, Lanyu Street, Huangpu District, Guangzhou 510730, China.

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-RE26061901-2E03		
Date of Receipt:	2026/07/02	Date of Test:	2026/07/02 - 2026/08/01

Created: Johnson Huang	Reviewed: Tiger Mo	Approved: Ella Gong
		
2026/08/01	2026/09/04	2026/09/04

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	2026/09/04	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	Power Line Conducted Emissions	47 CFR Part 15 15.207(a), RSS-Gen clause 8.8	/	Pass
8	Antenna Requirement	47 CFR Part 15 15.203, RSS-Gen clause 6.8	/	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	: KNX Smart Touch S7
Model Number	: CHTI-7.0/120.1.23, CHTI-7.0/120.1.22
Difference of model number	: All models of circuits, electronic components, wireless module and antenna are exactly the same, except for differences in color, therefore the test performed on the model CHTI-7.0/120.1.23.
EUT Function Description	: Please reference user manual of this device
Power Supply	: KNX terminal voltage: 21-30V DC, Auxiliary supply voltage: 12-30V DC
Antenna Type	: FPC
Max Antenna Gain(dBi)	: 2.2

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 IEEE 802.11n HT40: 2422MHz to 2452MHz
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	/	/

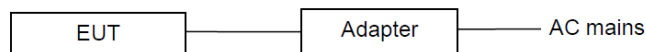
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's 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: adb.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, 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	50	/	1	LCH: CH1	2412
	50	/	1	MCH: CH6	2437
	50	/	1	HCH: CH11	2462
IEEE 802.11g	50	/	6	LCH: CH1	2412
	50	/	6	MCH: CH6	2437
	50	/	6	HCH: CH11	2462
IEEE 802.11n HT20	48	/	MCS 0	LCH: CH1	2412
	48	/	MCS 0	MCH: CH6	2437
	48	/	MCS 0	HCH: CH11	2462
IEEE 802.11n HT40	45	/	MCS 0	LCH: CH3	2422
	45	/	MCS 0	MCH: CH6	2437
	45	/	MCS 0	HCH: CH9	2452
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

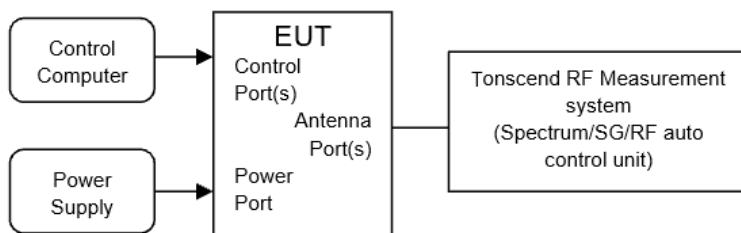
Test Item	Uncertainty
Bandwidth	1.9%
Peak Output Power (Conducted) (Spectrum analyzer)	0.98 dB
Peak Output Power (Conducted) (Power Sensor)	1.18 dB
Power Spectral Density (Base EIRP)	1.51 dB
Power Spectral Density (Spectrum analyzer)	0.98 dB
Frequencies Stability	1.9 kHz
Conducted spurious emissions	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 1#)				
SIGNAL ANALYZER	R&S	FSQ26	101272	2027/02/27
Wideband Radio Communication Tester	R&S	CMW500	117491	2027/02/27
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2027/02/27
MXG Vector Signal Generator	Agilent	N5182A	MY47420658	2027/02/27
RF Control Unit	Tonscend	JS0806-2	158060010	2027/02/27
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

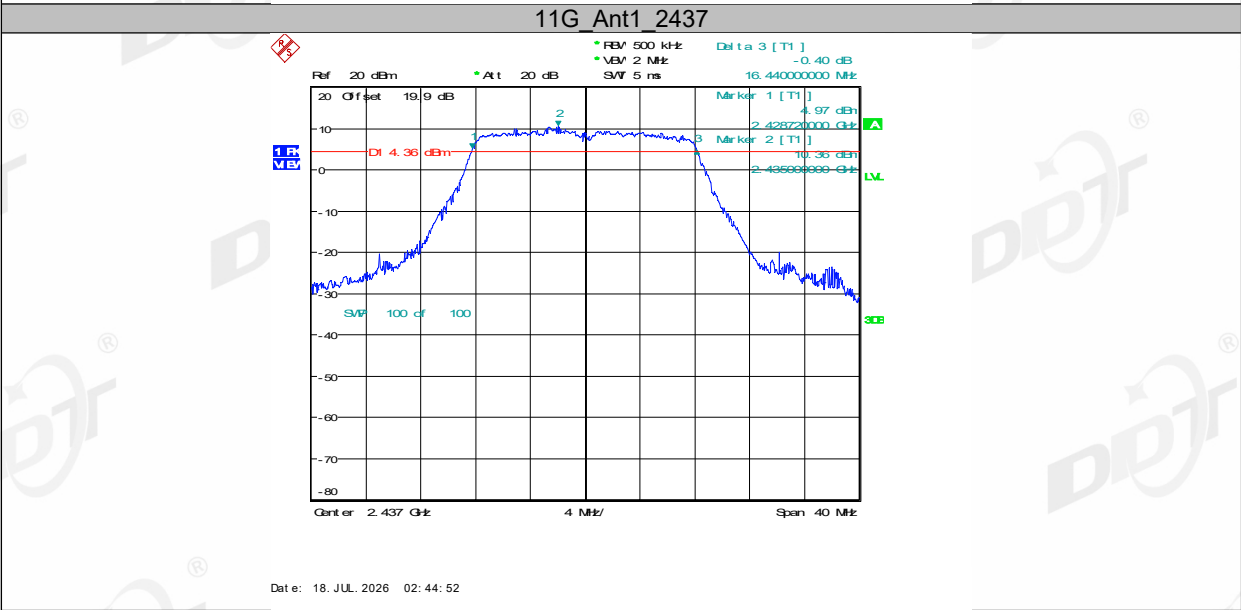
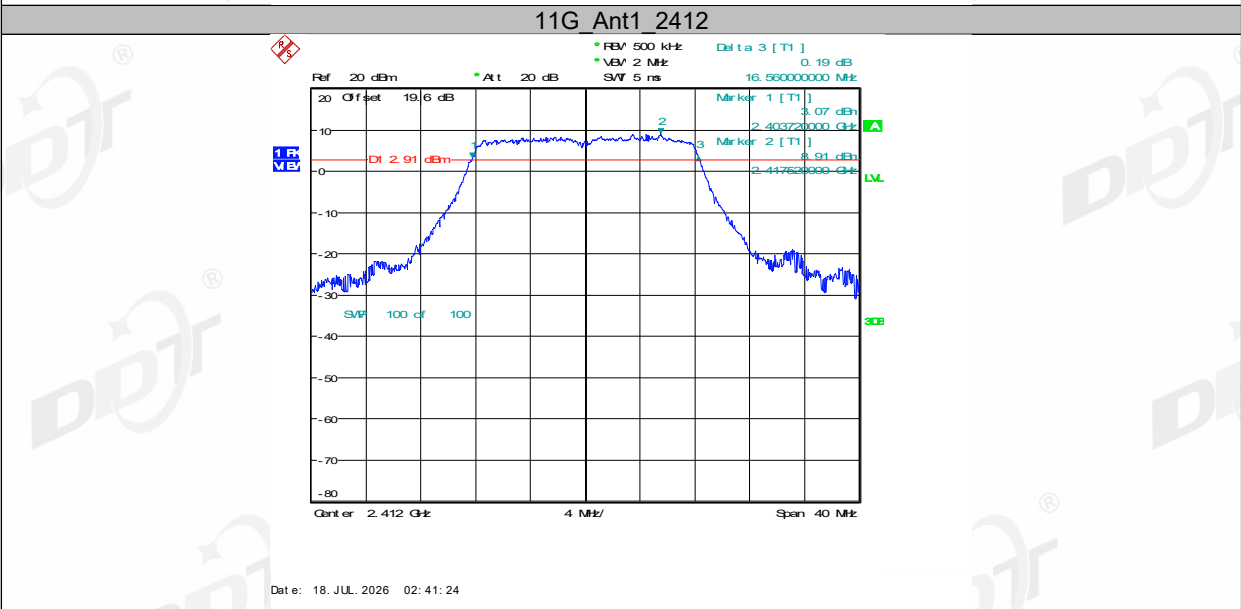
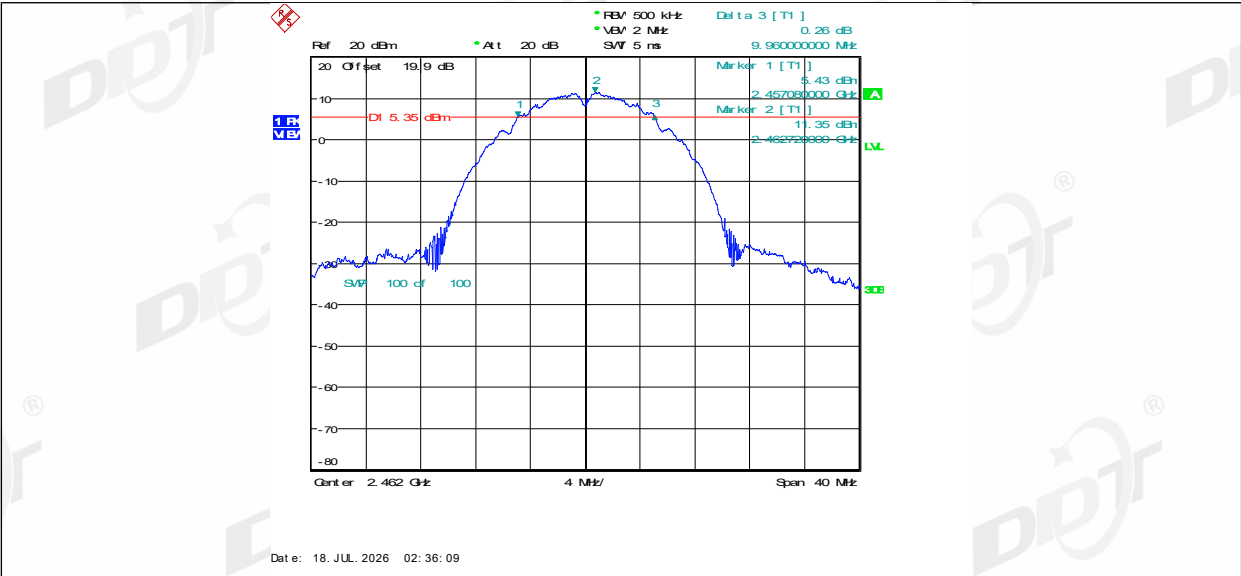
4.4. Test result

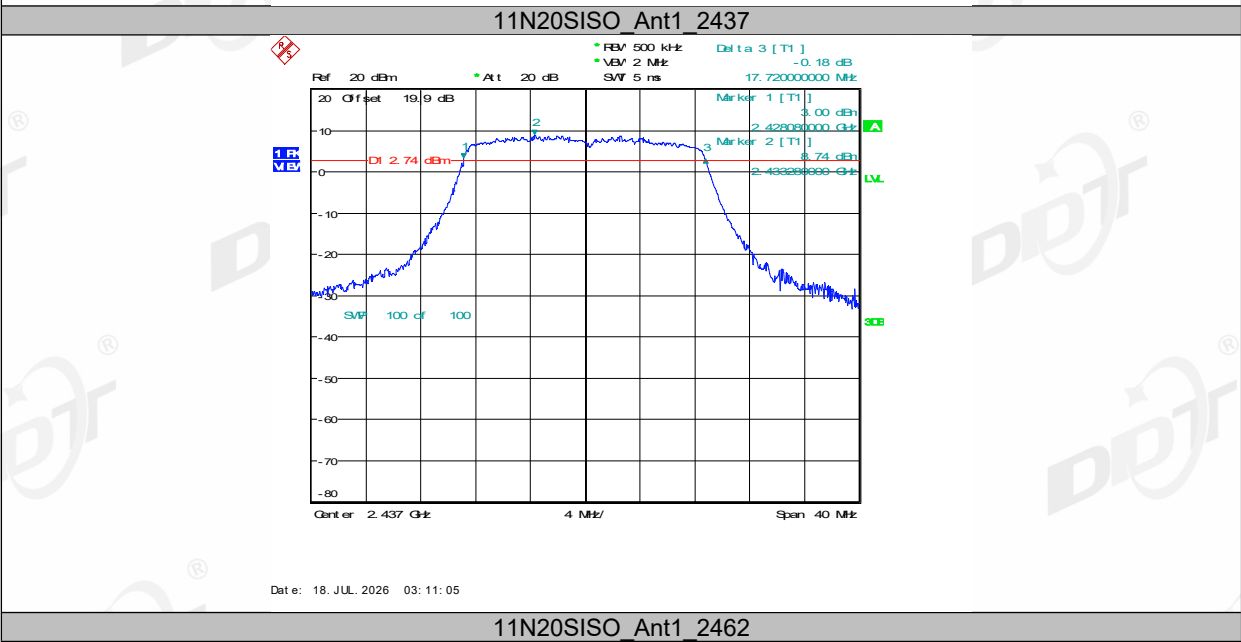
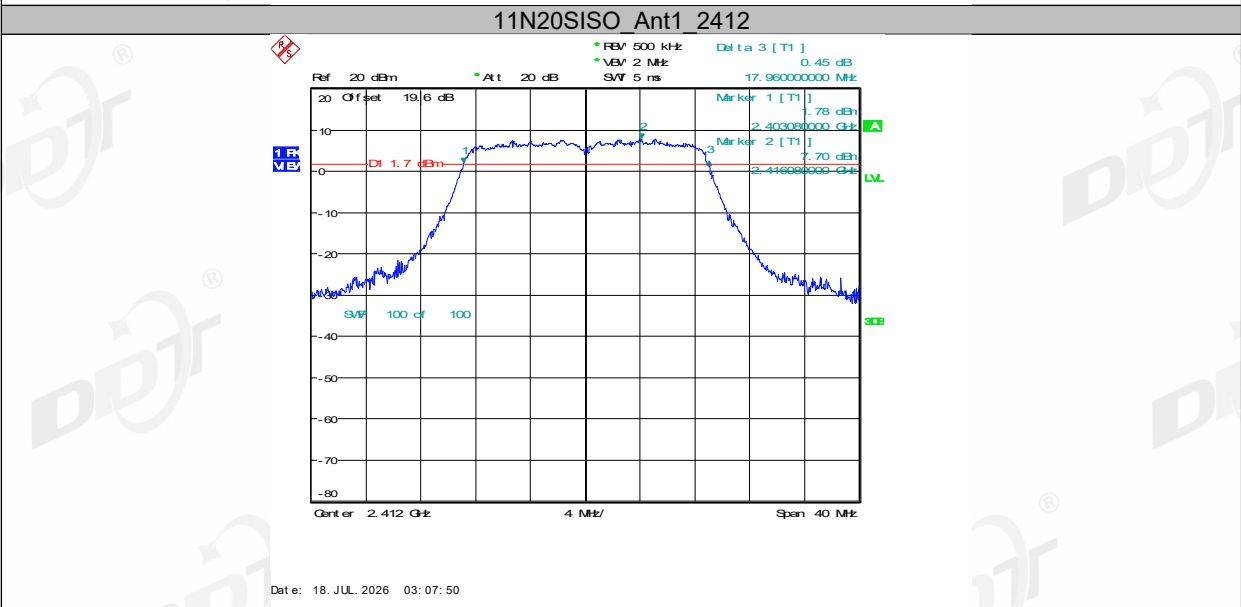
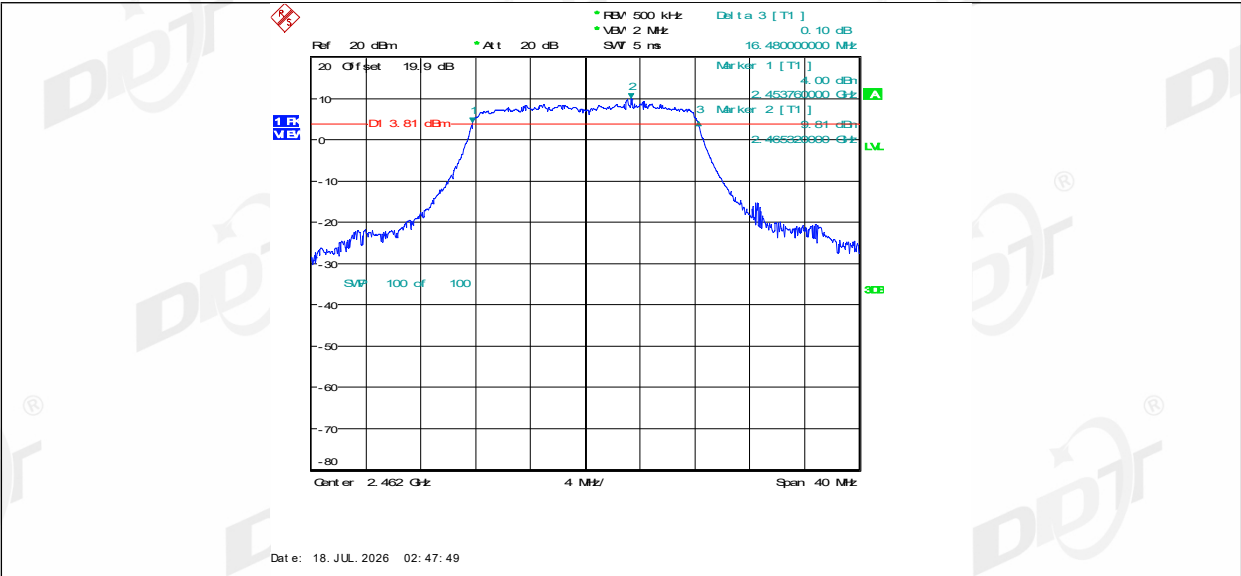
Test Engineer:	Guoyuan Lin	Test Site:	RF Measurement System 1#
Ambient Condition:	28℃,27%RH	Test Date:	2026.07.18-2026.07.25
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26061901-013

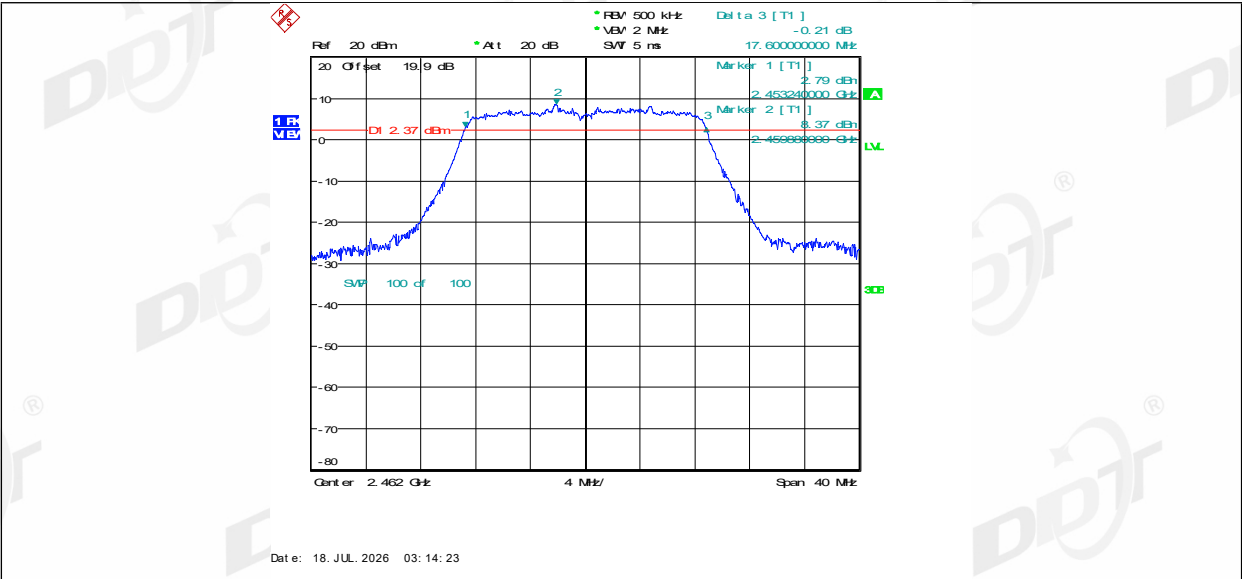
Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	10.04	2407.00	2417.04	0.5	PASS
		2437	10.00	2432.00	2442.00	0.5	PASS
		2462	9.96	2457.08	2467.04	0.5	PASS
11G	Ant1	2412	16.56	2403.72	2420.28	0.5	PASS
		2437	16.44	2428.72	2445.16	0.5	PASS
		2462	16.48	2453.76	2470.24	0.5	PASS
11N20SISO	Ant1	2412	17.96	2403.08	2421.04	0.5	PASS
		2437	17.72	2428.08	2445.80	0.5	PASS
		2462	17.60	2453.24	2470.84	0.5	PASS
11N40SISO	Ant1	2422	35.92	2404.08	2440.00	0.5	PASS
		2437	35.52	2419.08	2454.60	0.5	PASS
		2452	36.08	2433.92	2470.00	0.5	PASS

4.5. Test graphs

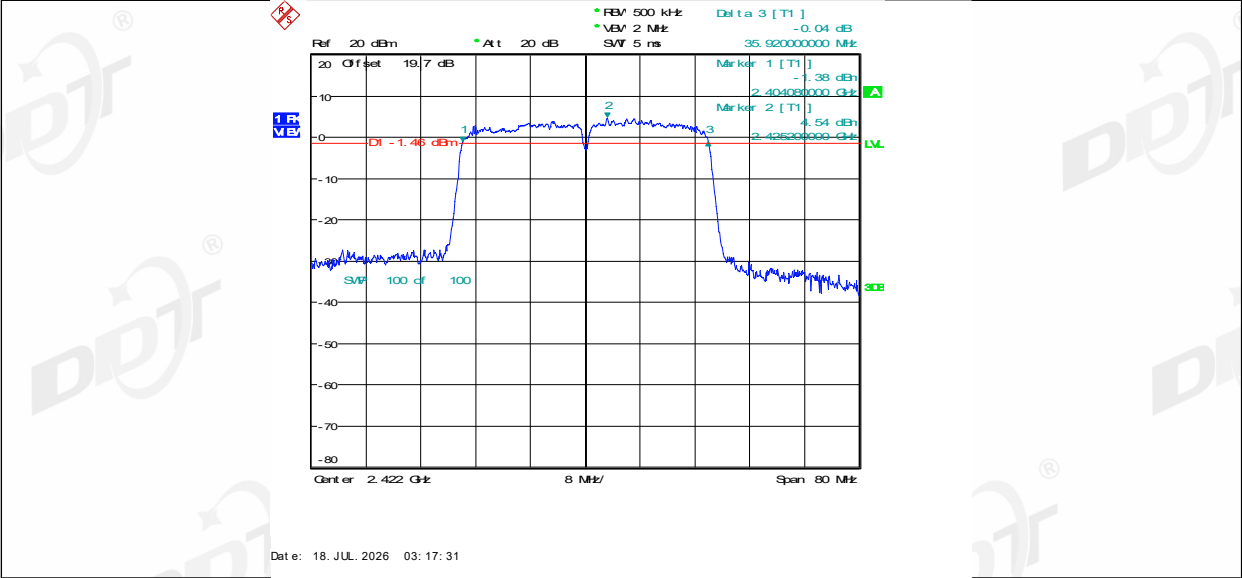




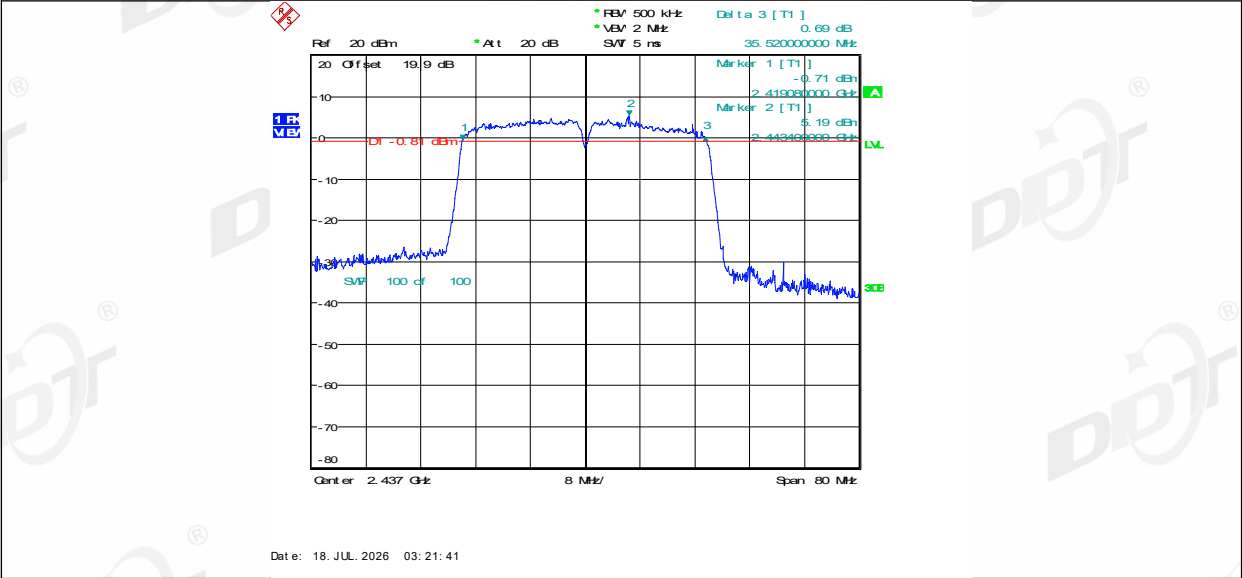




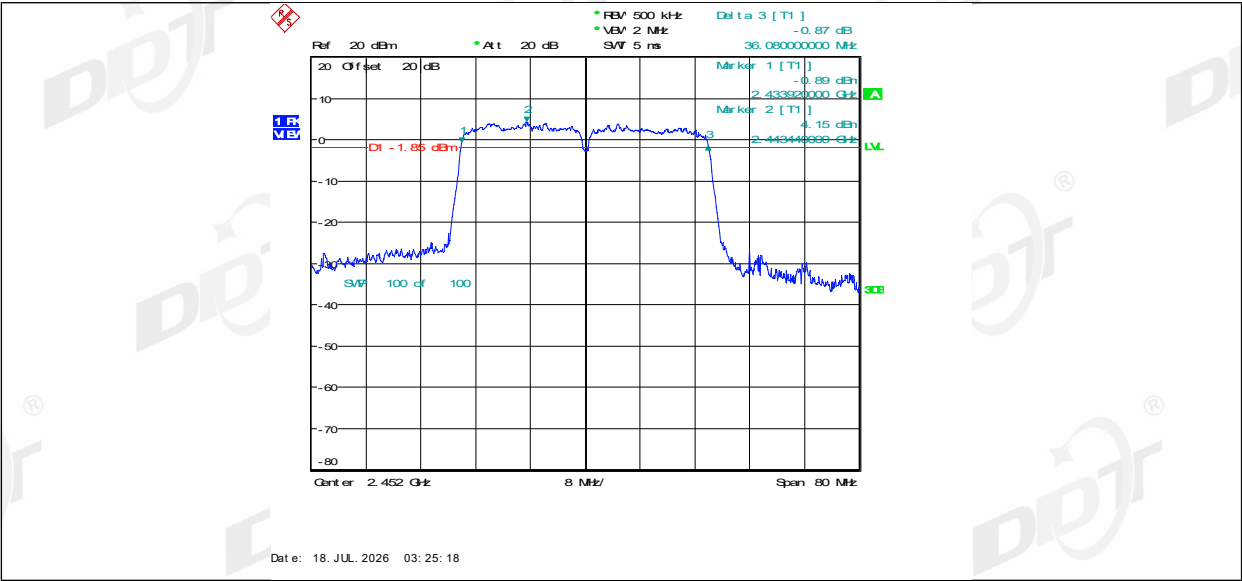
11N40SISO Ant1 2422



11N40SISO Ant1 2437

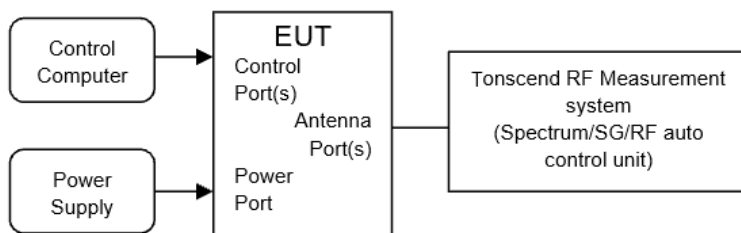


11N40SISO Ant1 2452



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.

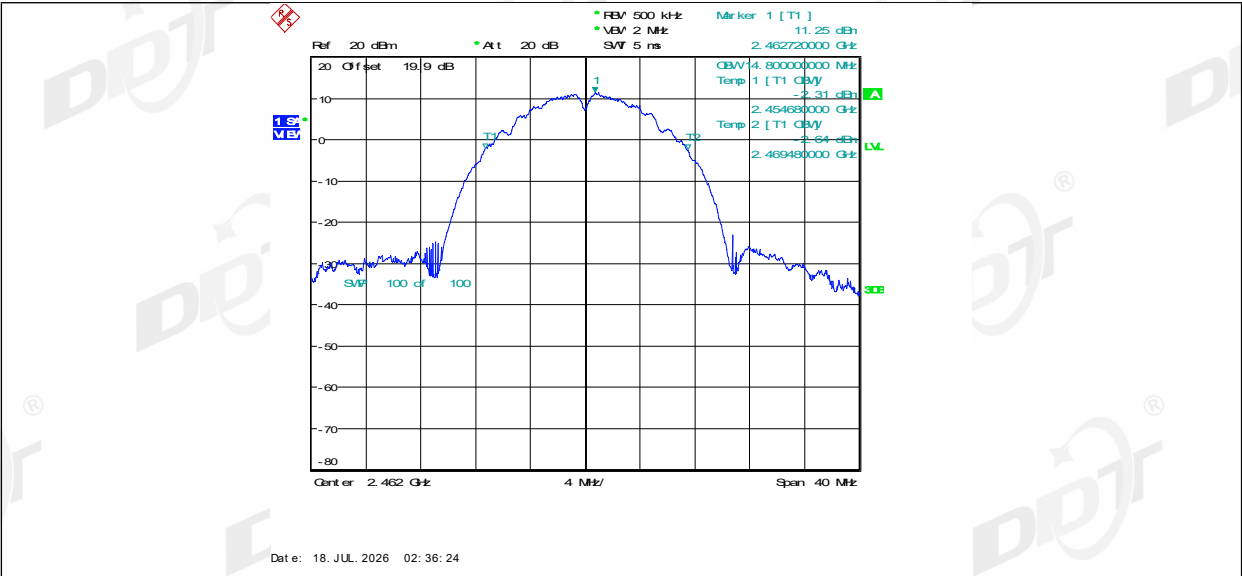
5.4. Test result

Test Engineer:	Guoyuan Lin	Test Site:	RF Measurement System 1#
Ambient Condition:	28℃,27%RH	Test Date:	2026.07.18-2026.07.25
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26061901-013

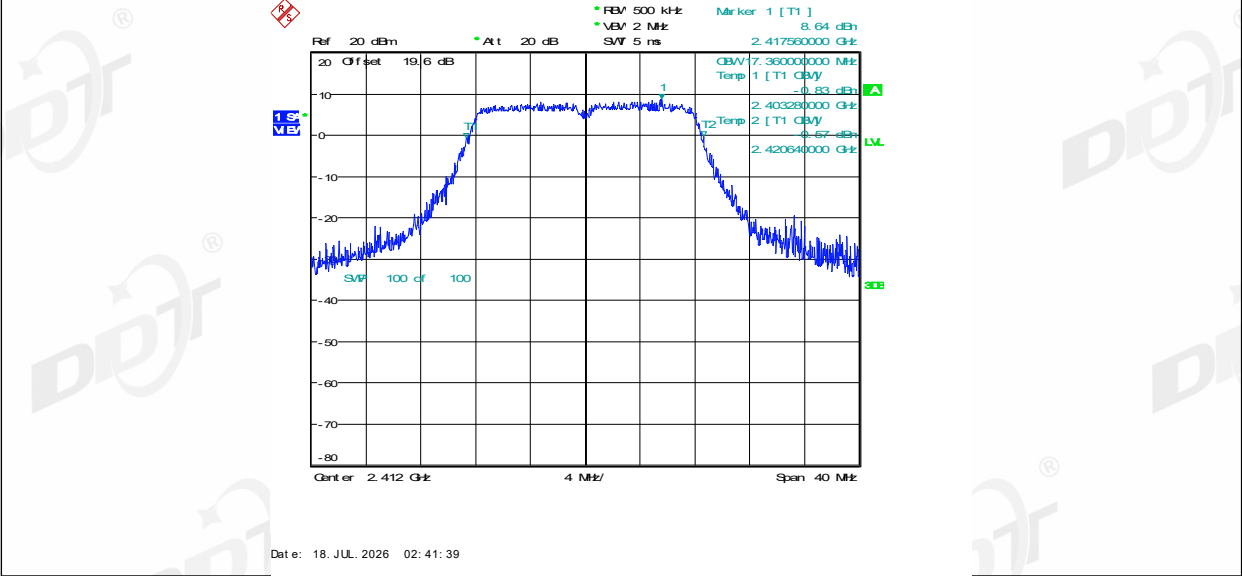
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.800	2404.6400	2419.4400	---	---
		2437	14.680	2429.6000	2444.2800	---	---
		2462	14.800	2454.6800	2469.4800	---	---
11G	Ant1	2412	17.360	2403.2800	2420.6400	---	---
		2437	17.280	2428.3200	2445.6000	---	---
		2462	17.400	2453.2800	2470.6800	---	---
11N20SISO	Ant1	2412	18.360	2402.8000	2421.1600	---	---
		2437	18.160	2427.8400	2446.0000	---	---
		2462	18.320	2452.8800	2471.2000	---	---
11N40SISO	Ant1	2422	36.000	2404.0000	2440.0000	---	---
		2437	35.920	2419.0000	2454.9200	---	---
		2452	36.160	2433.8400	2470.0000	---	---

5.5. Test graphs

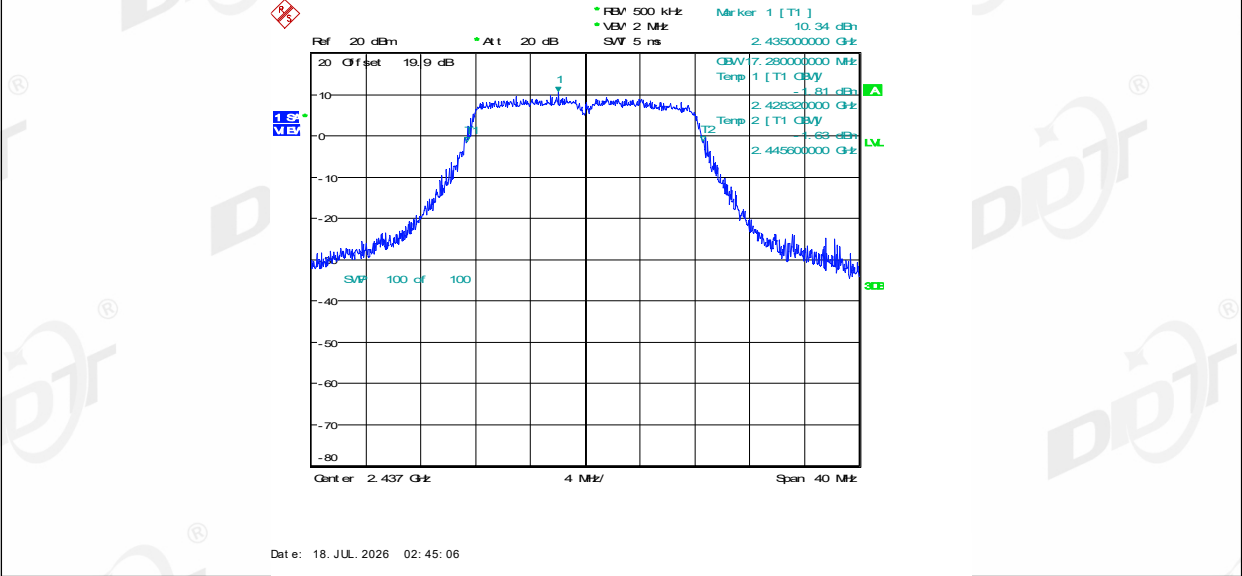




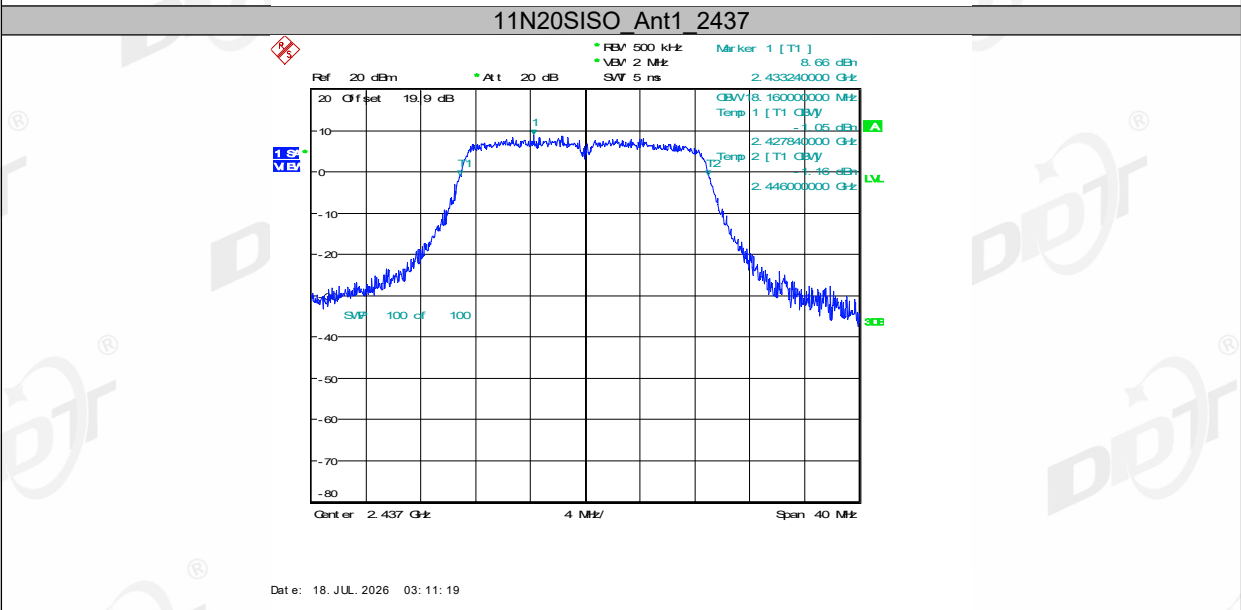
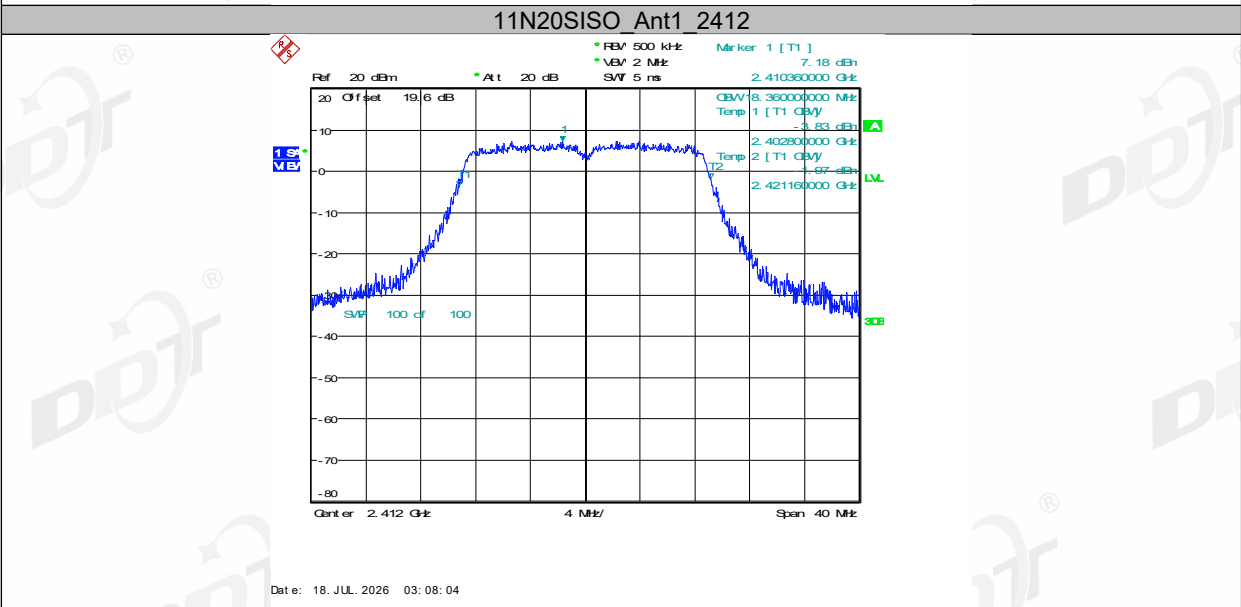
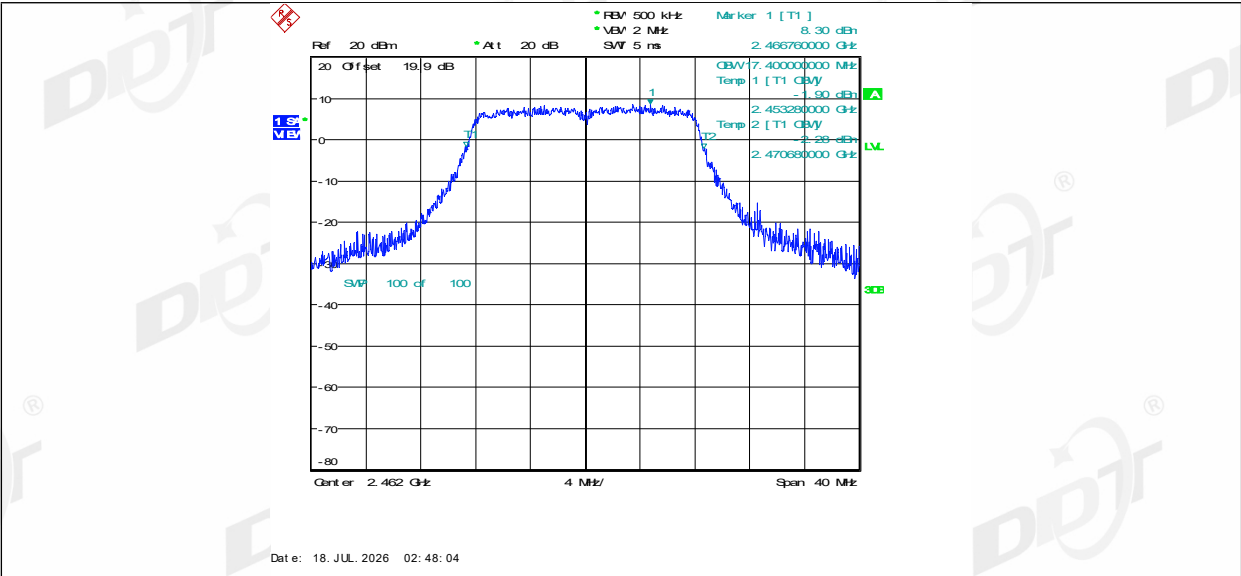
11G Ant1_2412

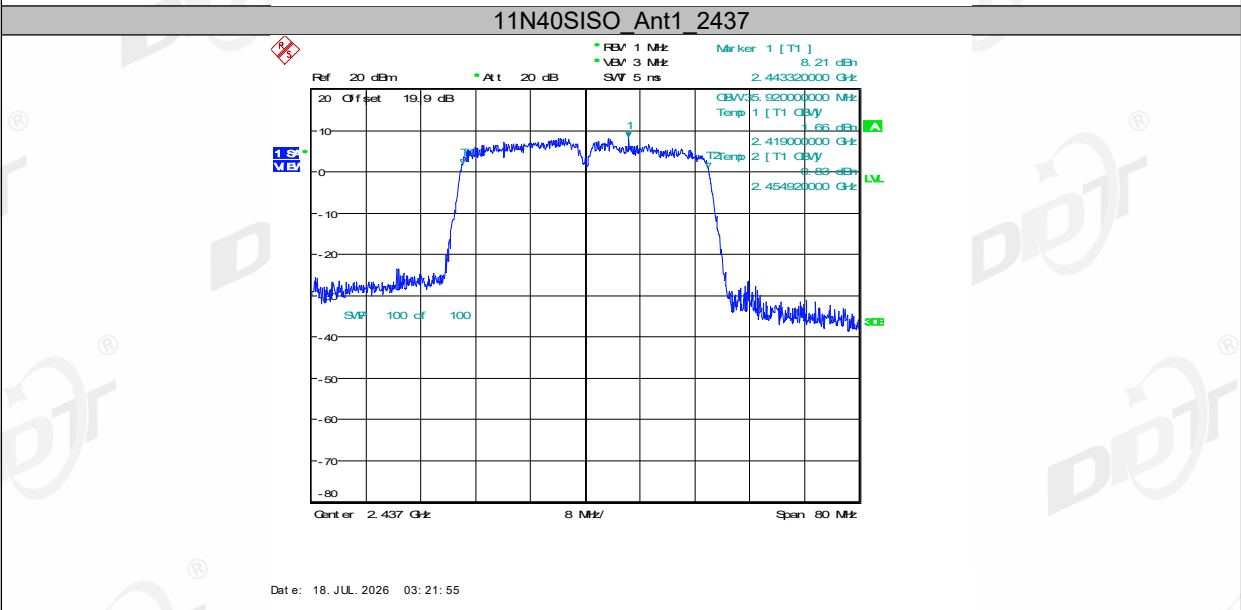
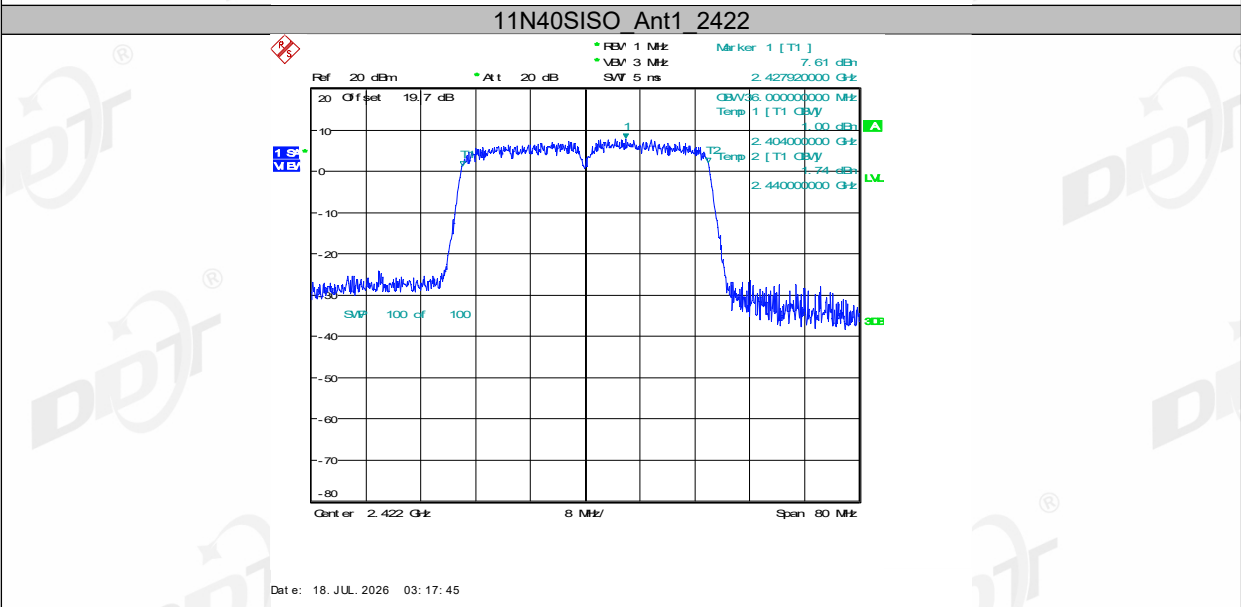
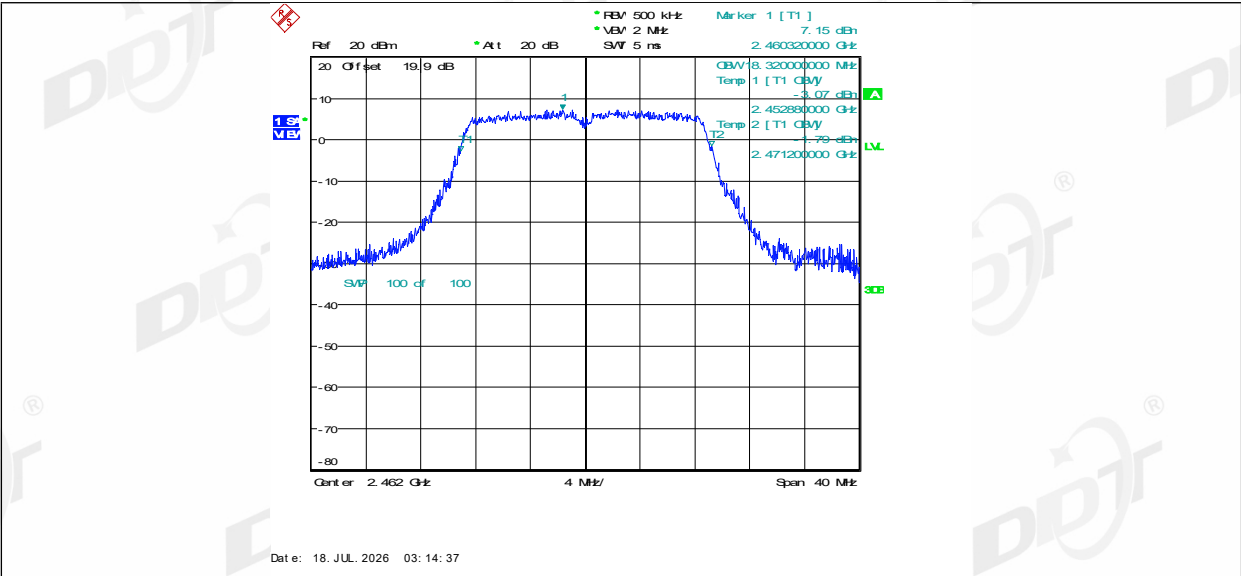


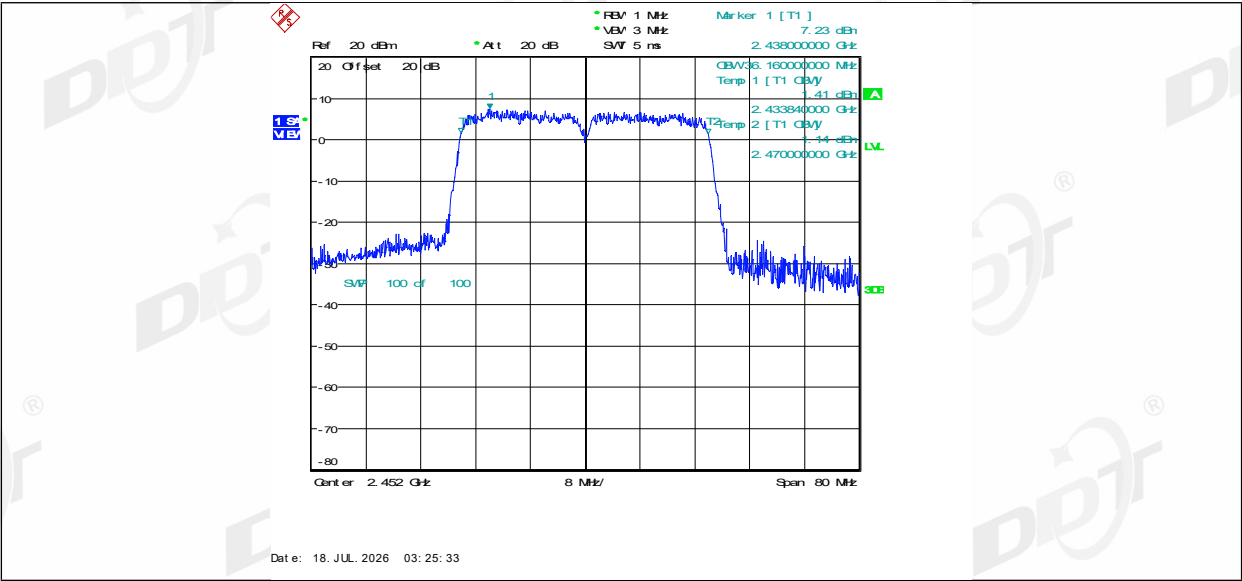
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11G Ant1_2462

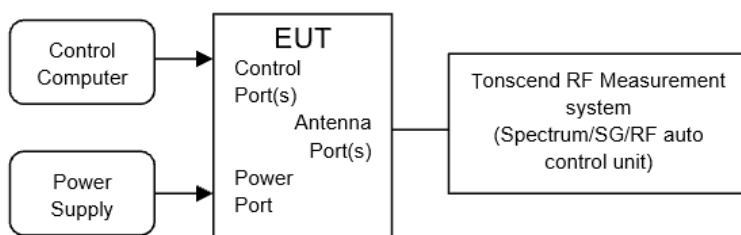






6. Conducted Output Power

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

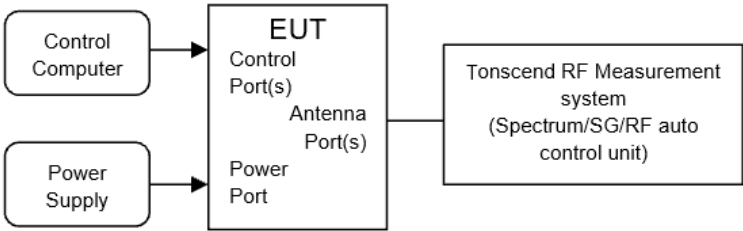
Test Engineer:	Guoyuan Lin	Test Site:	RF Measurement System 1#
Ambient Condition:	28℃,27%RH	Test Date:	2026.07.18-2026.07.25
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26061901-013

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	19.55	99.53	0.02	19.57	≤30.00	21.77	≤36.00	PASS
		2437	19.27	97.38	0.12	19.39	≤30.00	21.59	≤36.00	PASS
		2462	19.24	99.22	0.03	19.27	≤30.00	21.47	≤36.00	PASS
11G	Ant1	2412	15.14	98.58	0.06	15.20	≤30.00	17.40	≤36.00	PASS
		2437	15.44	95.83	0.18	15.62	≤30.00	17.82	≤36.00	PASS
		2462	15.42	94.98	0.22	15.64	≤30.00	17.84	≤36.00	PASS
11N20SISO	Ant1	2412	14.43	91.94	0.36	14.79	≤30.00	16.99	≤36.00	PASS
		2437	14.56	93.69	0.28	14.84	≤30.00	17.04	≤36.00	PASS
		2462	14.54	94.15	0.26	14.80	≤30.00	17.00	≤36.00	PASS
11N40SISO	Ant1	2422	12.86	87.16	0.60	13.46	≤30.00	15.66	≤36.00	PASS
		2437	12.93	86.36	0.64	13.57	≤30.00	15.77	≤36.00	PASS
		2452	12.80	85.59	0.68	13.48	≤30.00	15.68	≤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 kHz ≤ RBW ≤ 100 kHz
VBW:	≥ 3RBW
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.

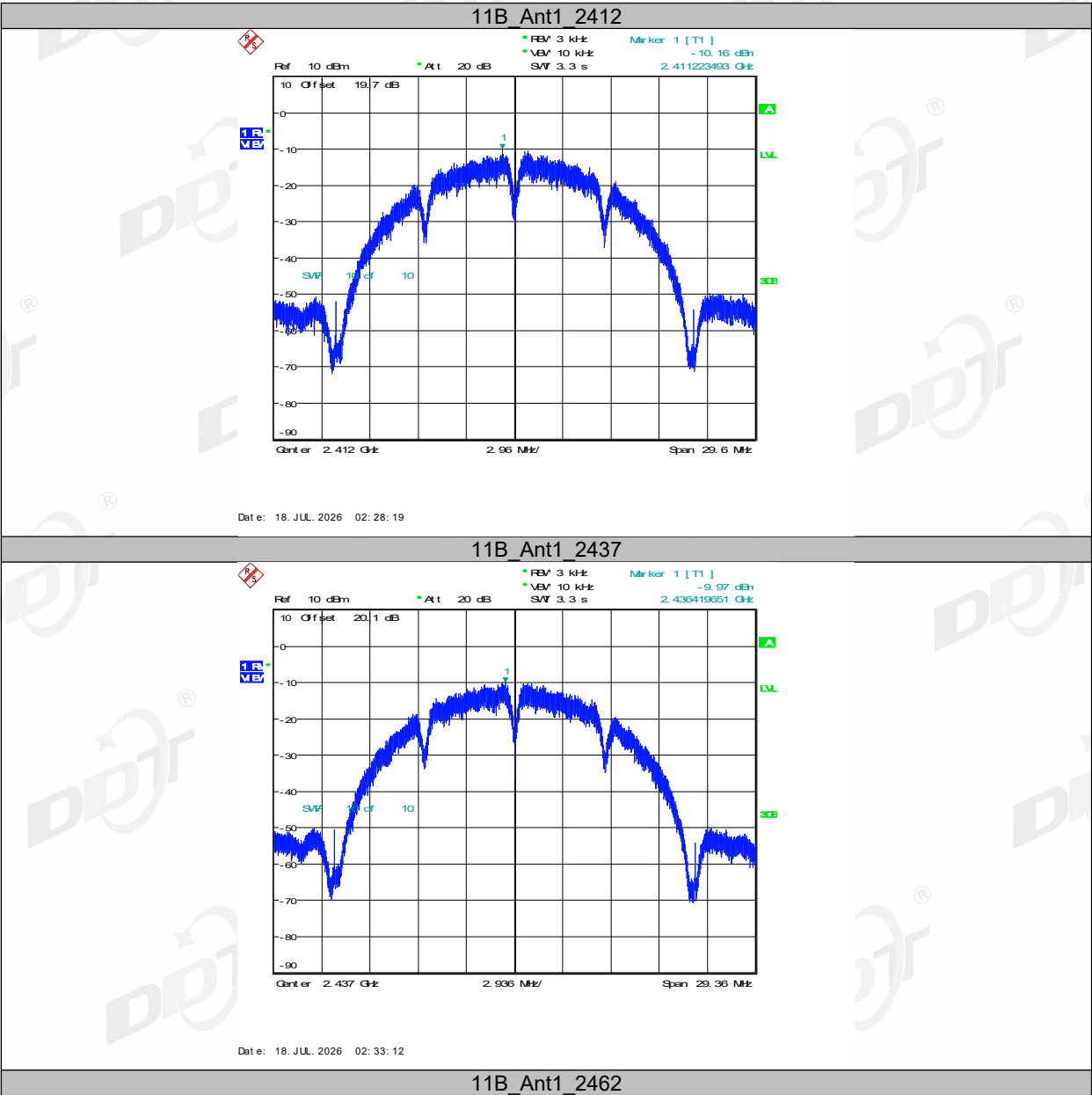
7.4. Test result

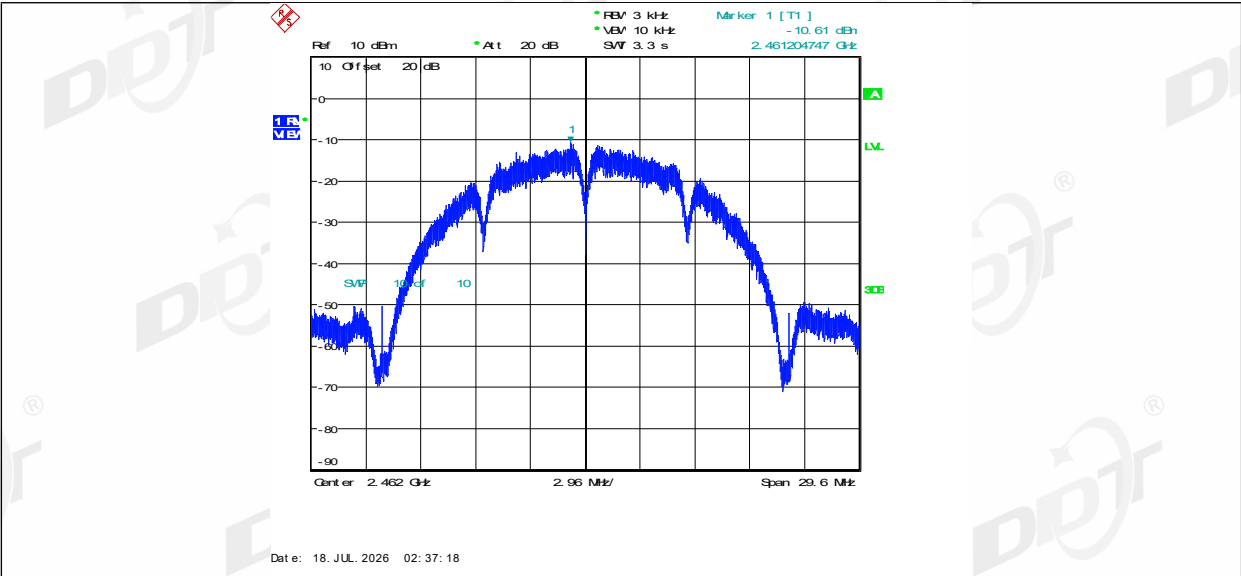
Test Engineer:	Guoyuan Lin	Test Site:	RF Measurement System 1#
Ambient Condition:	28℃,27%RH	Test Date:	2026.07.18-2026.07.25
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26061901-013

Test Mode	Antenna	Frequency [MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.16	≤8.00	PASS
		2437	-9.97	≤8.00	PASS
		2462	-10.61	≤8.00	PASS
11G	Ant1	2412	-15.14	≤8.00	PASS
		2437	-13.78	≤8.00	PASS
		2462	-15.73	≤8.00	PASS
11N20SISO	Ant1	2412	-16.51	≤8.00	PASS
		2437	-14.74	≤8.00	PASS
		2462	-15.90	≤8.00	PASS
11N40SISO	Ant1	2422	-18.61	≤8.00	PASS
		2437	-17.99	≤8.00	PASS
		2452	-19.22	≤8.00	PASS

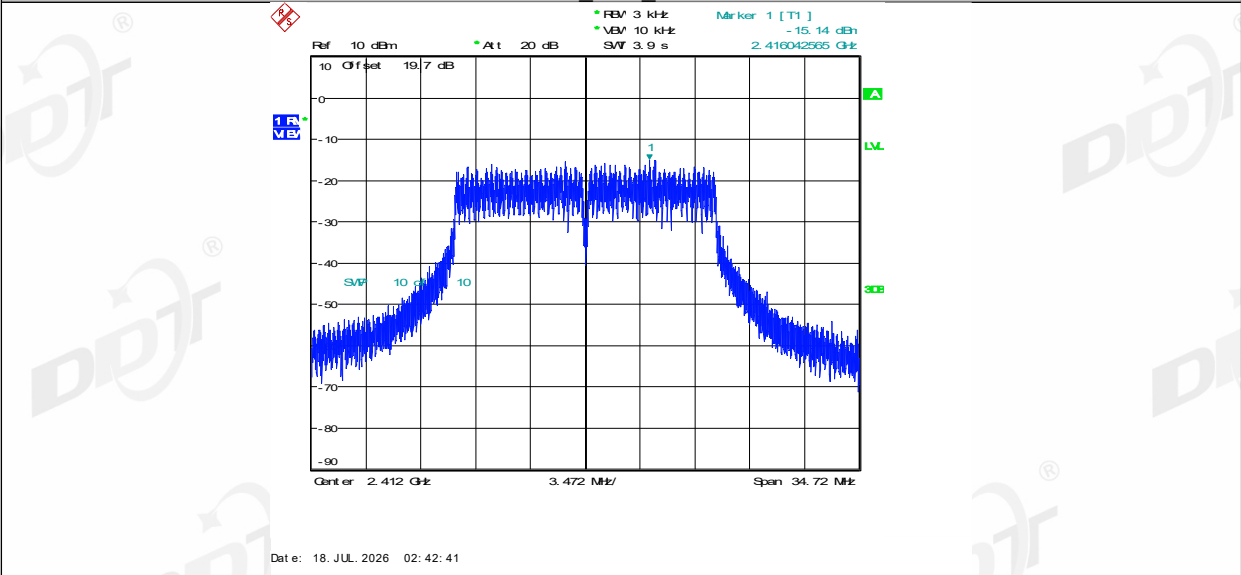
Note: The Duty Cycle Factor is compensated in the graph.

7.5. Test graphs

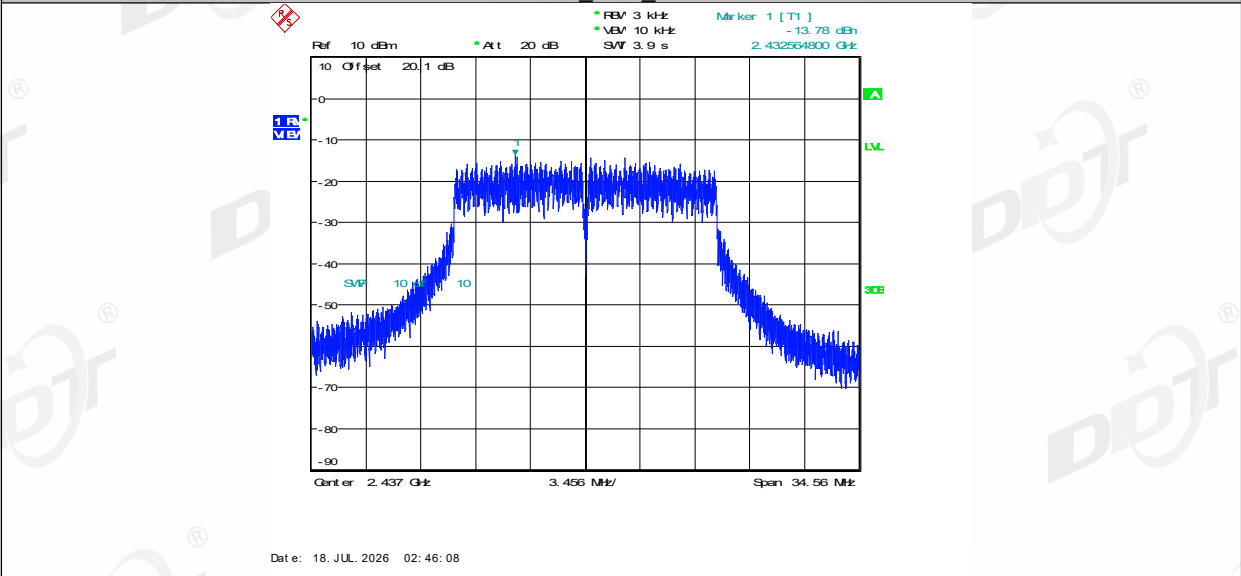




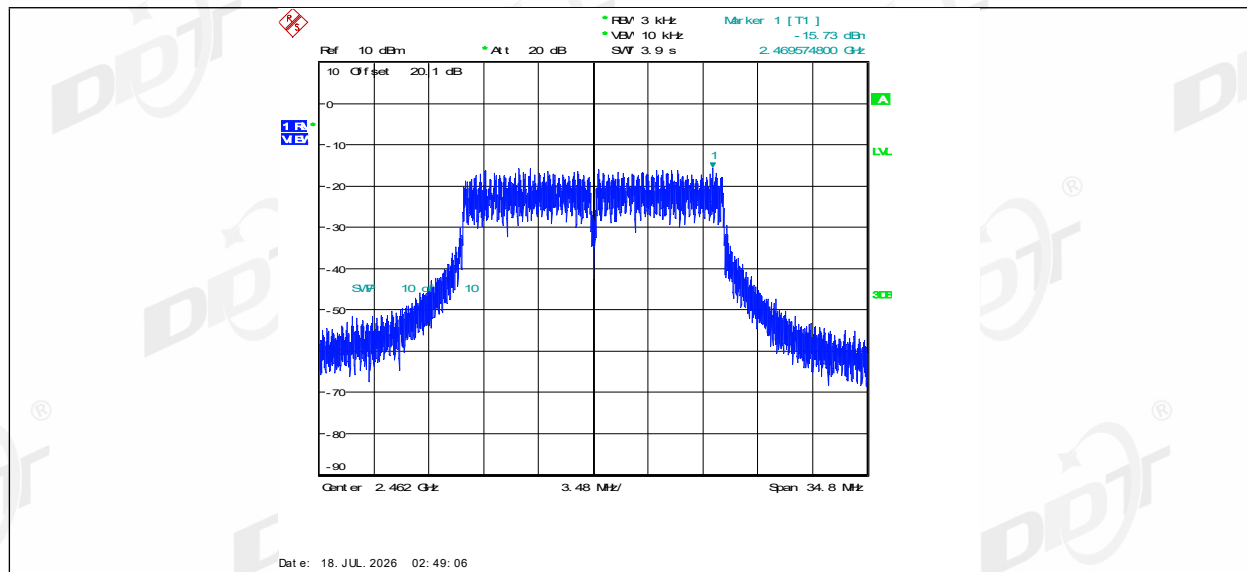
11G Ant1_2412



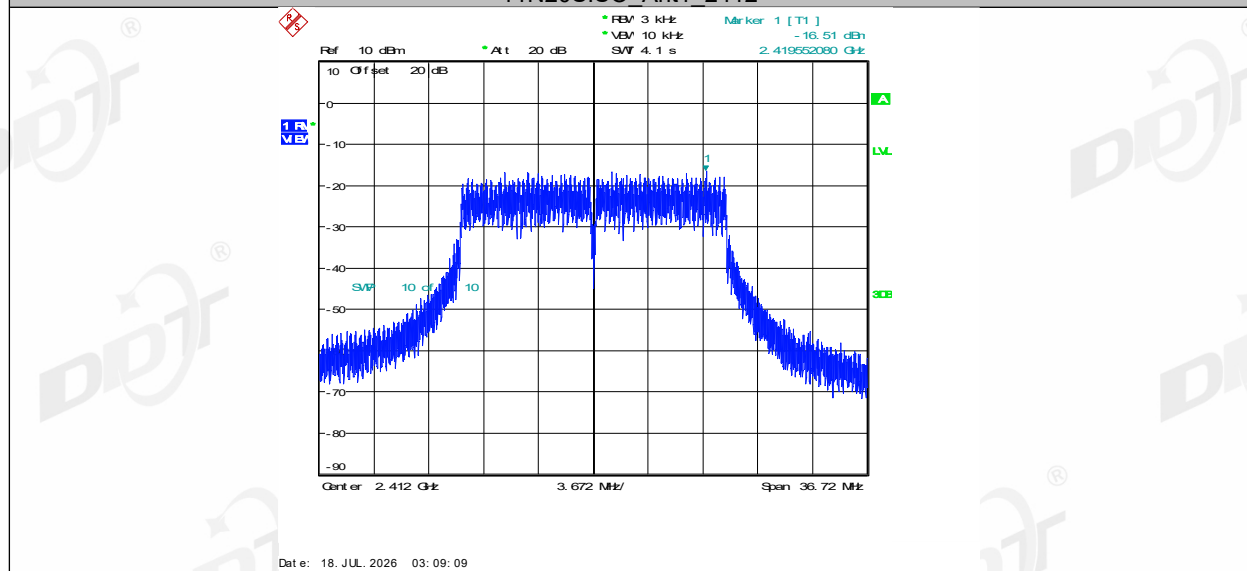
11G Ant1_2437



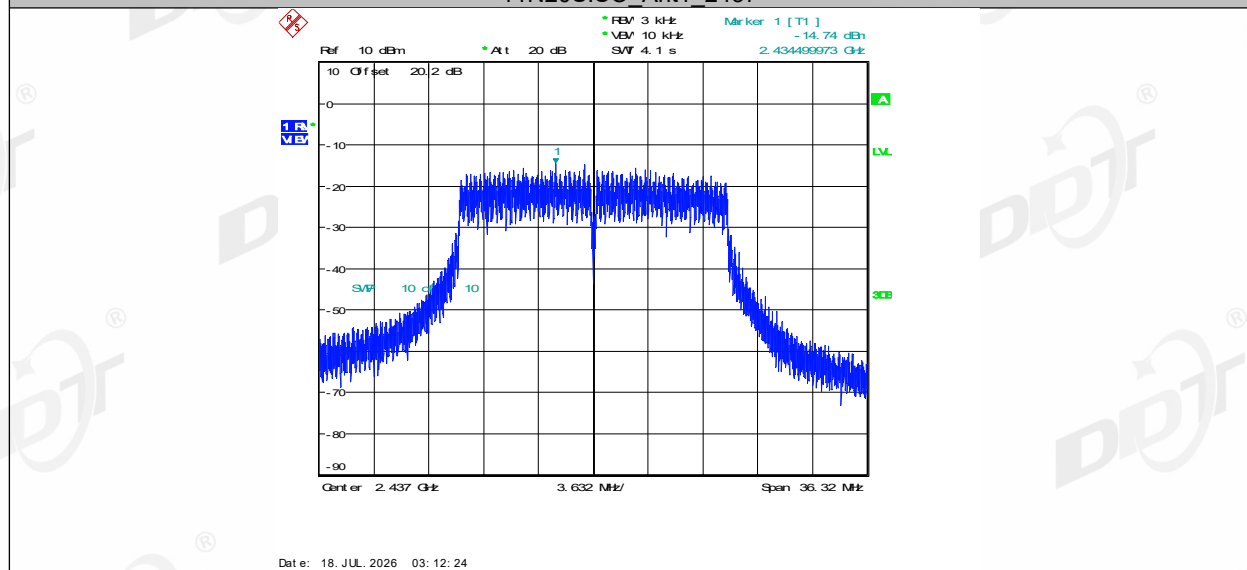
11G Ant1_2462



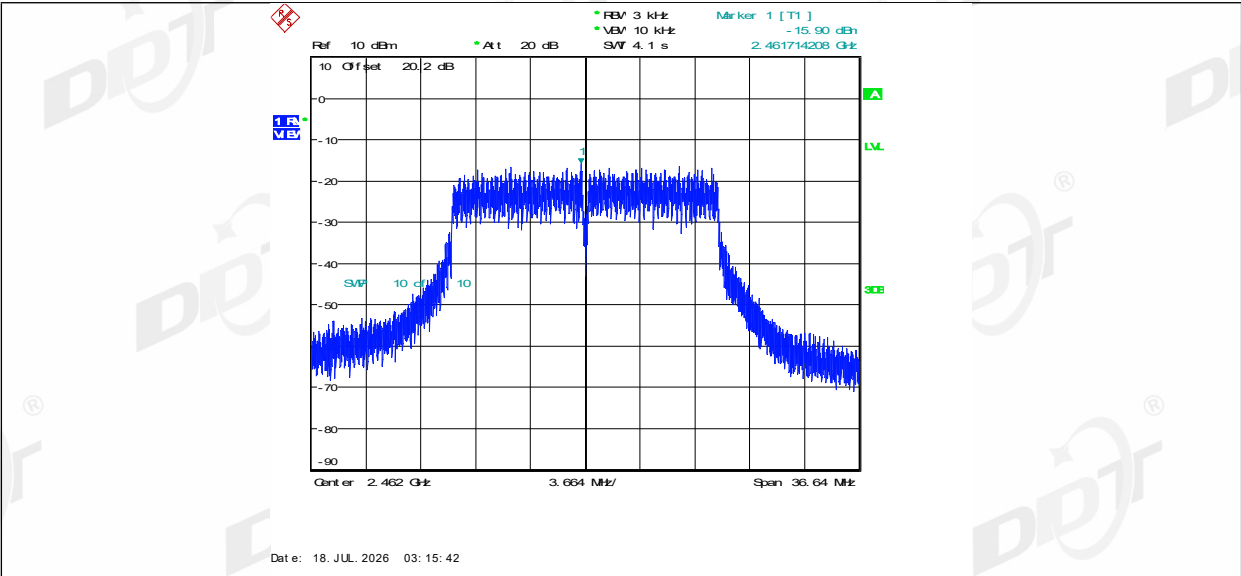
11N20SISO_Ant1_2412



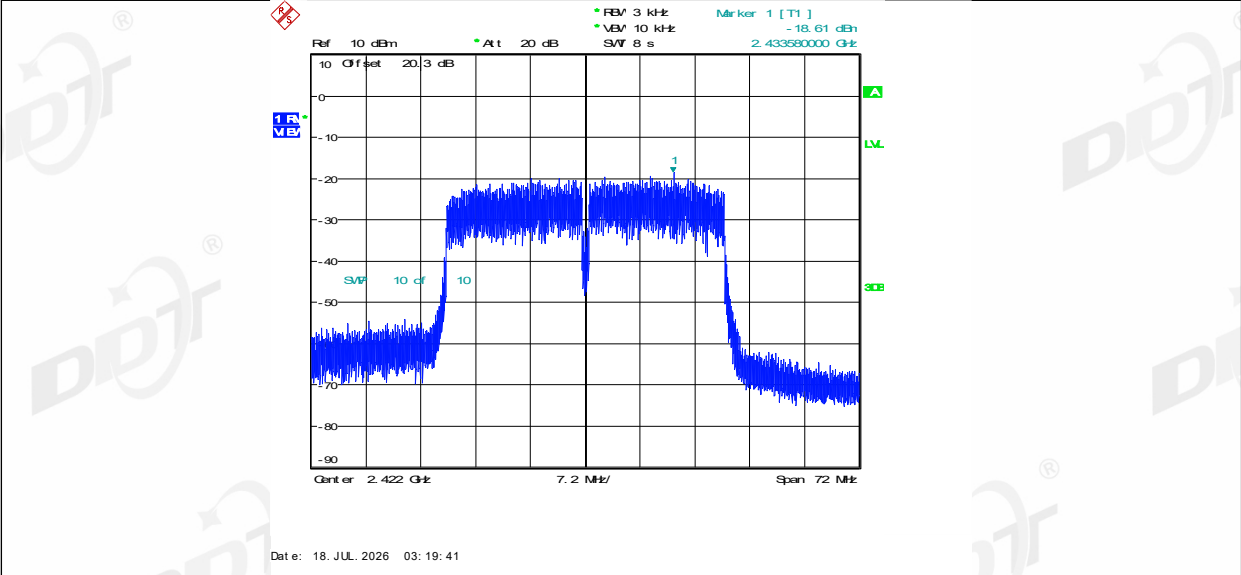
11N20SISO_Ant1_2437



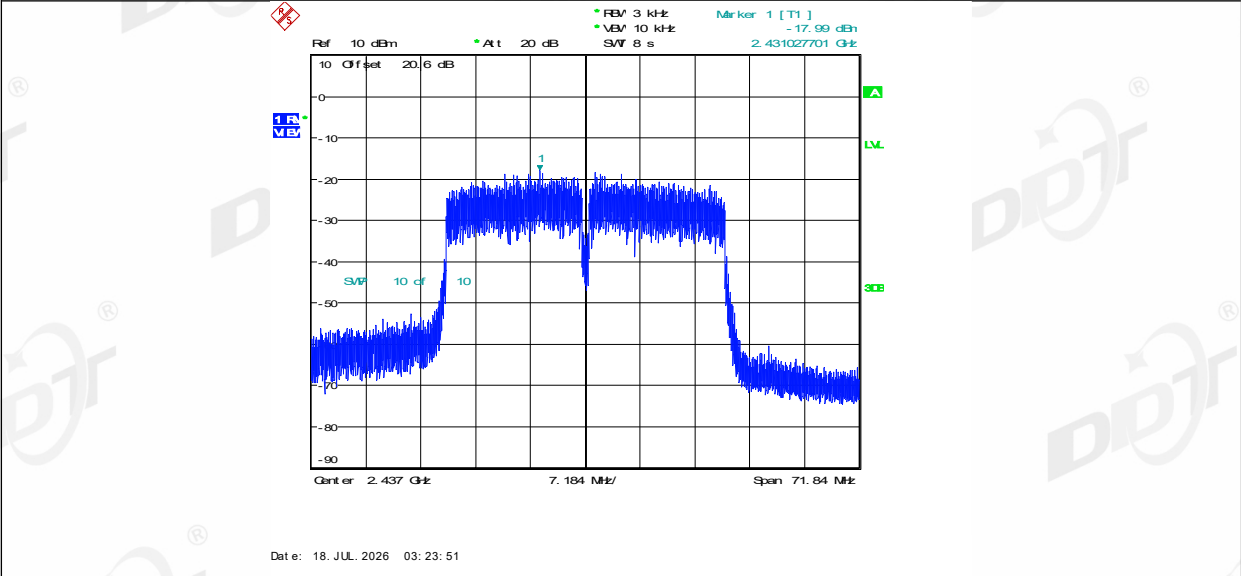
11N20SISO Ant1 2462



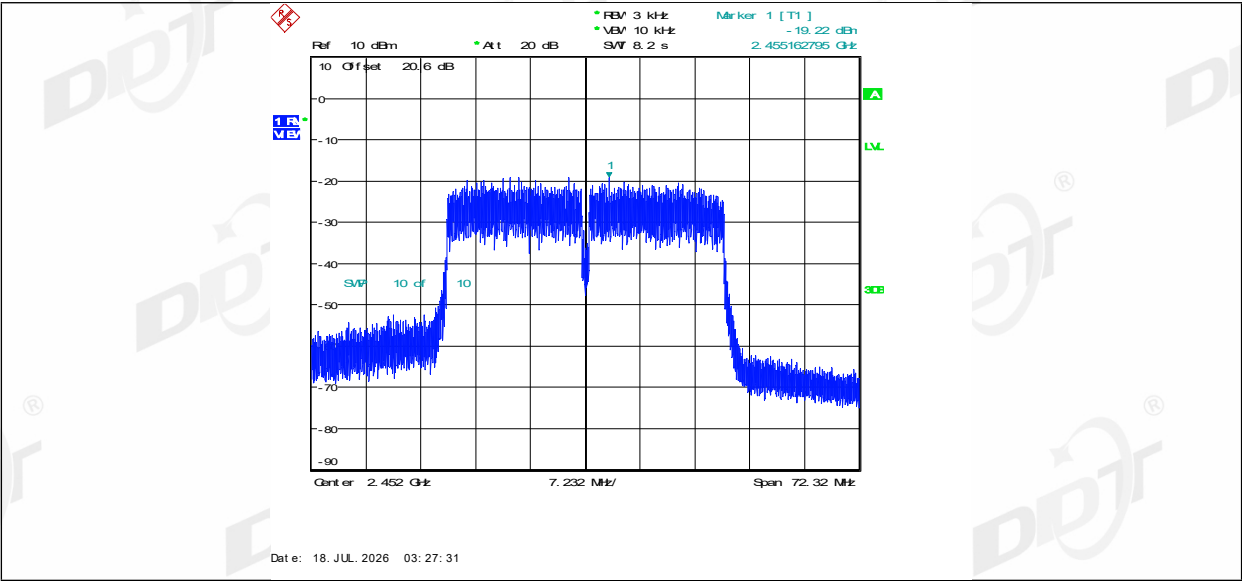
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

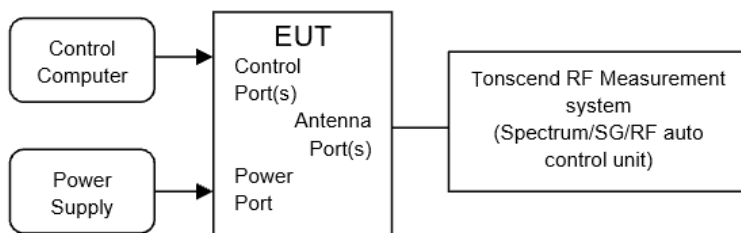


11N40SISO_Ant1_2452



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.

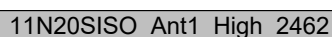
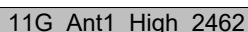
8.4. Test result

Test Engineer:	Guoyuan Lin	Test Site:	RF Measurement System 1#
Ambient Condition:	28℃,27%RH	Test Date:	2026.07.18-2026.07.25
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26061901-013

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	11n HT 40	CH3	Pass
	CH11	Pass		CH9	Pass

8.5. Test graphs

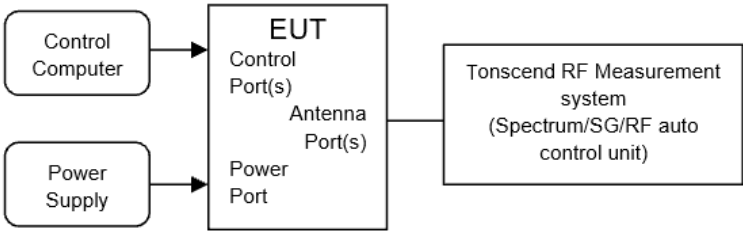






9. RF Conducted Spurious Emissions

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	≥Span/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

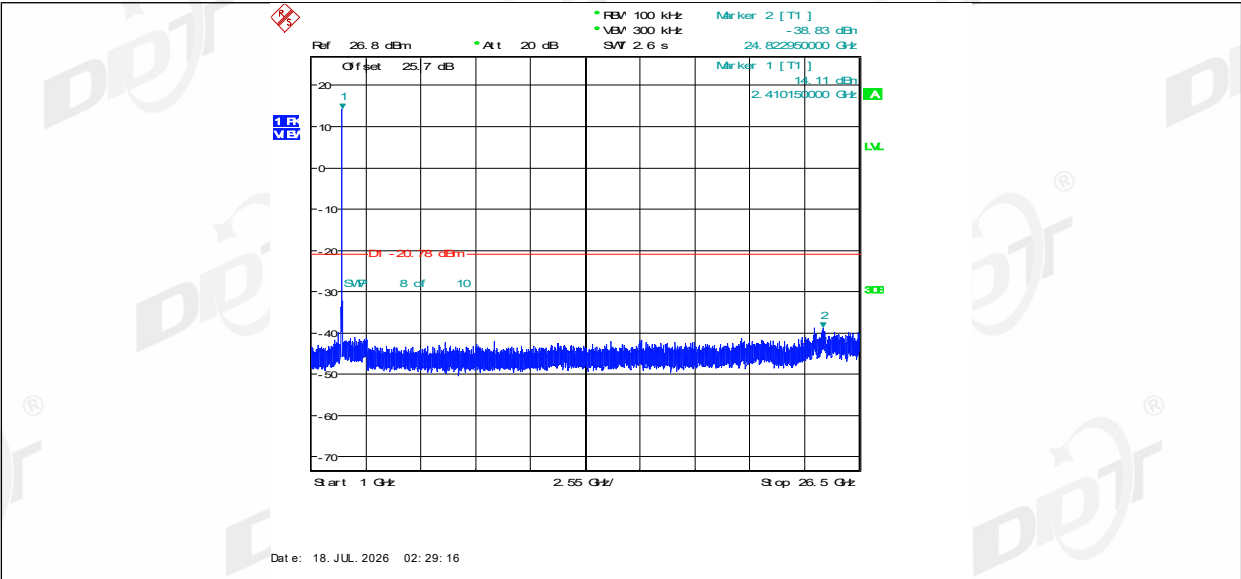
9.4. Test result

Test Engineer:	Guoyuan Lin	Test Site:	RF Measurement System 1#		
Ambient Condition:	28℃,27%RH	Test Date:	2026.07.18-2026.07.25		
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26061901-013		

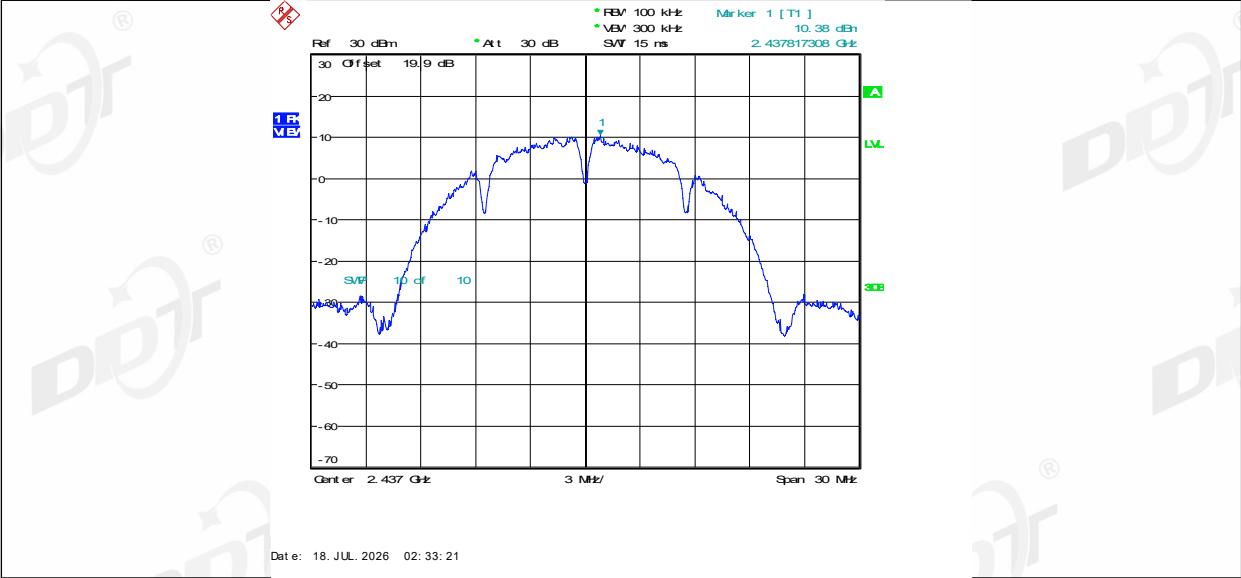
EUT Set Mode	CH or Frequency	Result(dBm)	EUT Set Mode	CH or Frequency	Result (dBm)
11b	CH1	Pass	11g	CH1	Pass
	CH11	Pass		CH11	Pass
11n HT 20	CH1	Pass	11n HT 40	CH3	Pass
	CH11	Pass		CH9	Pass

9.5. Test graphs

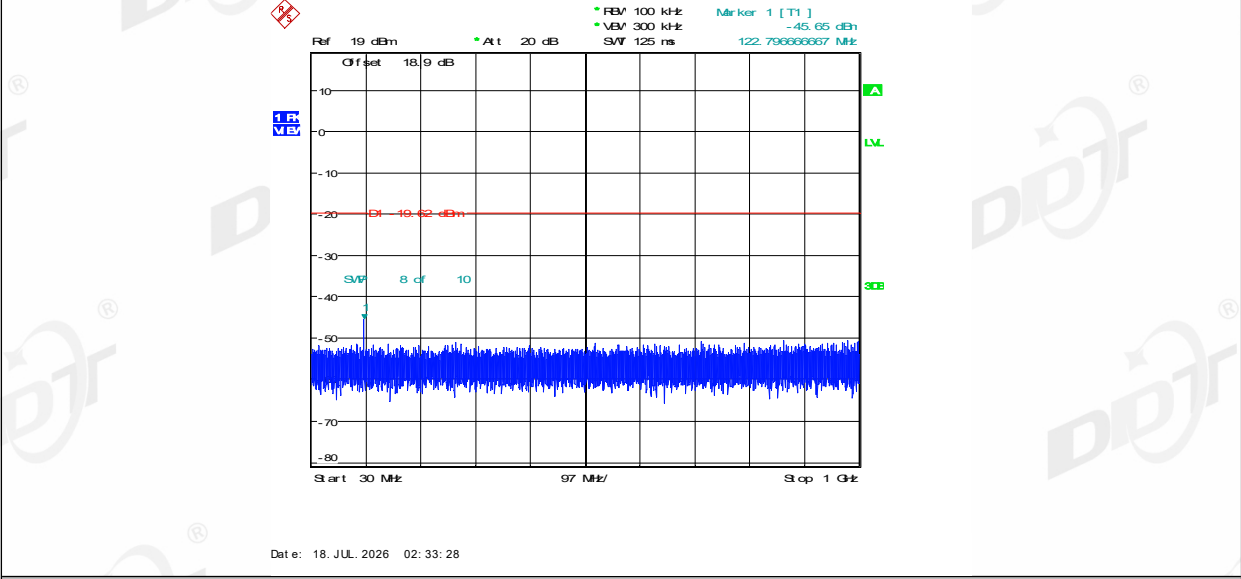




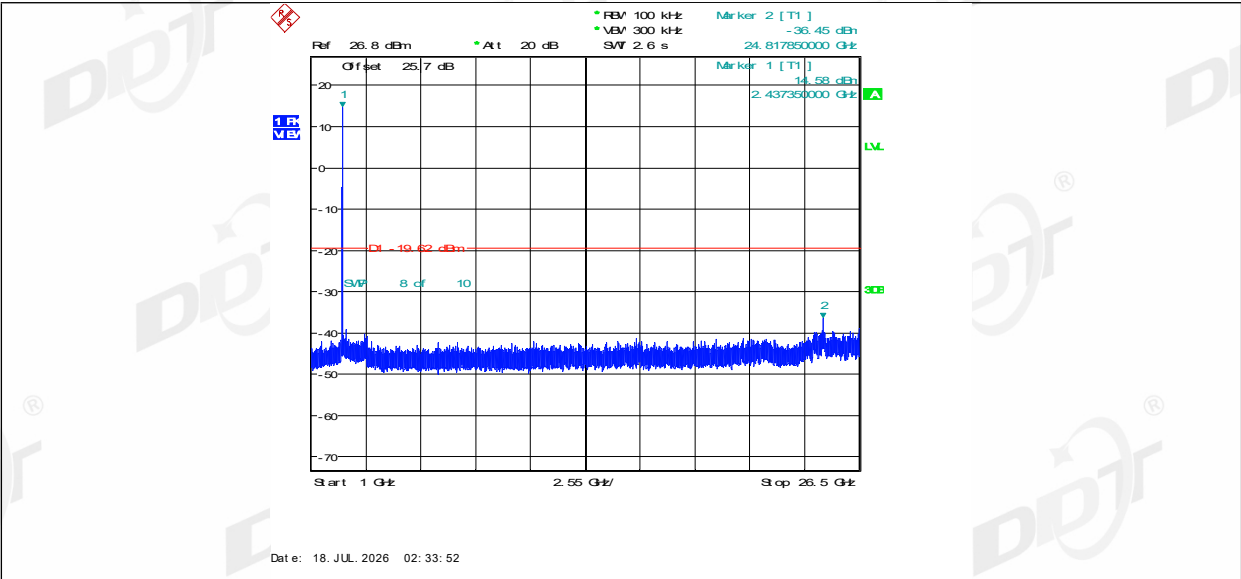
11B_Ant1_2437_0~Reference



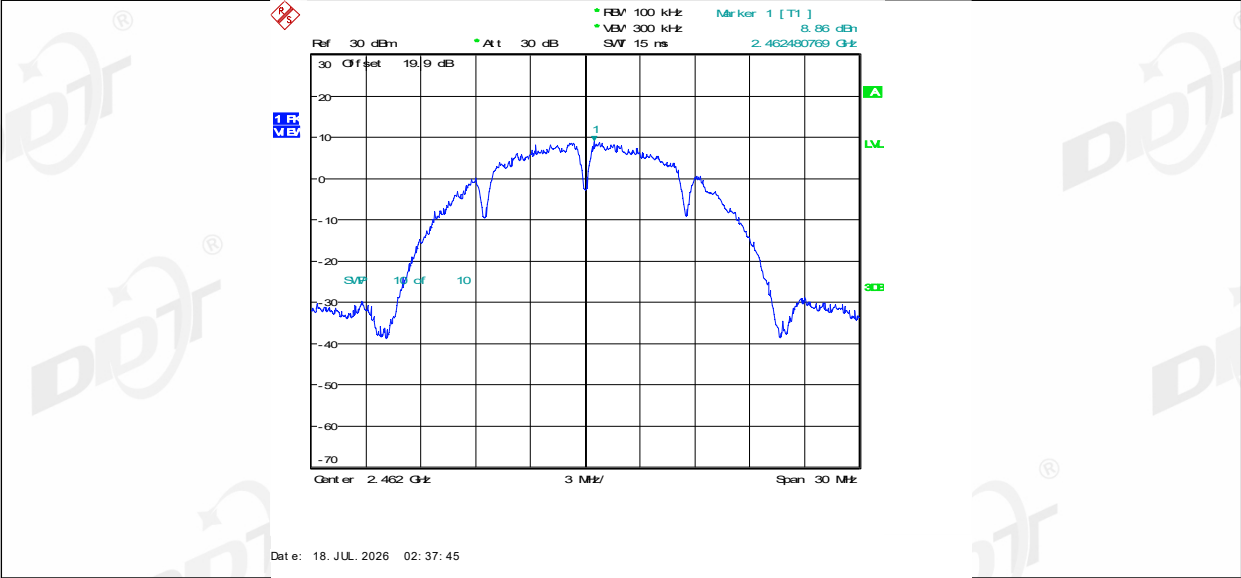
11B_Ant1_2437_30~1000



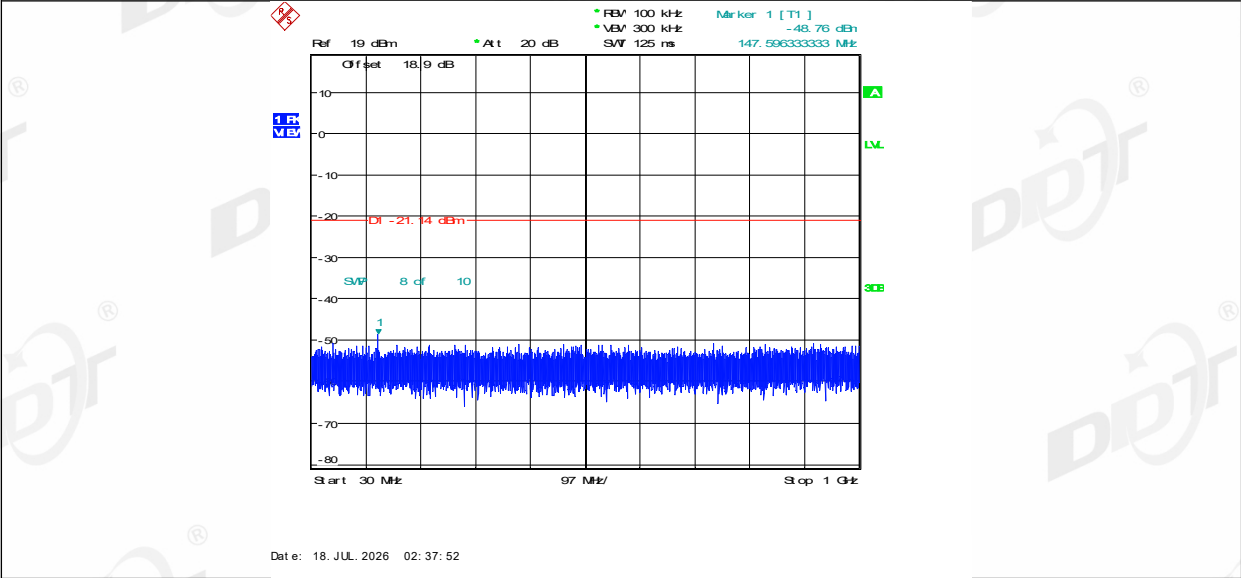
11B_Ant1_2437_1000~26500



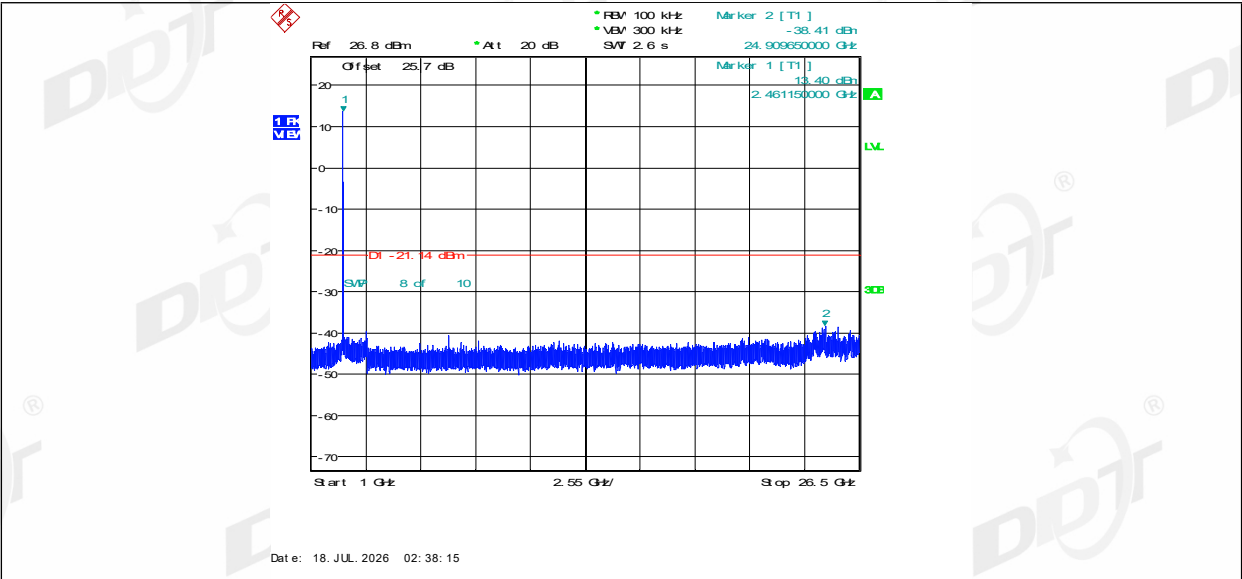
11B_Ant1_2462_0~Reference



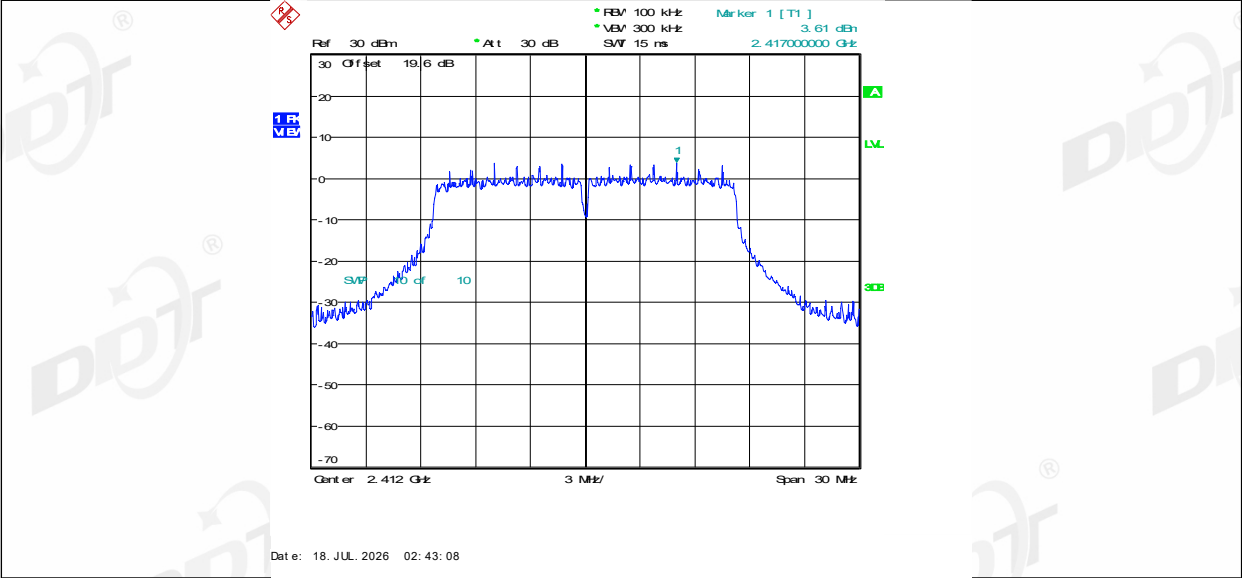
11B_Ant1_2462_30~1000



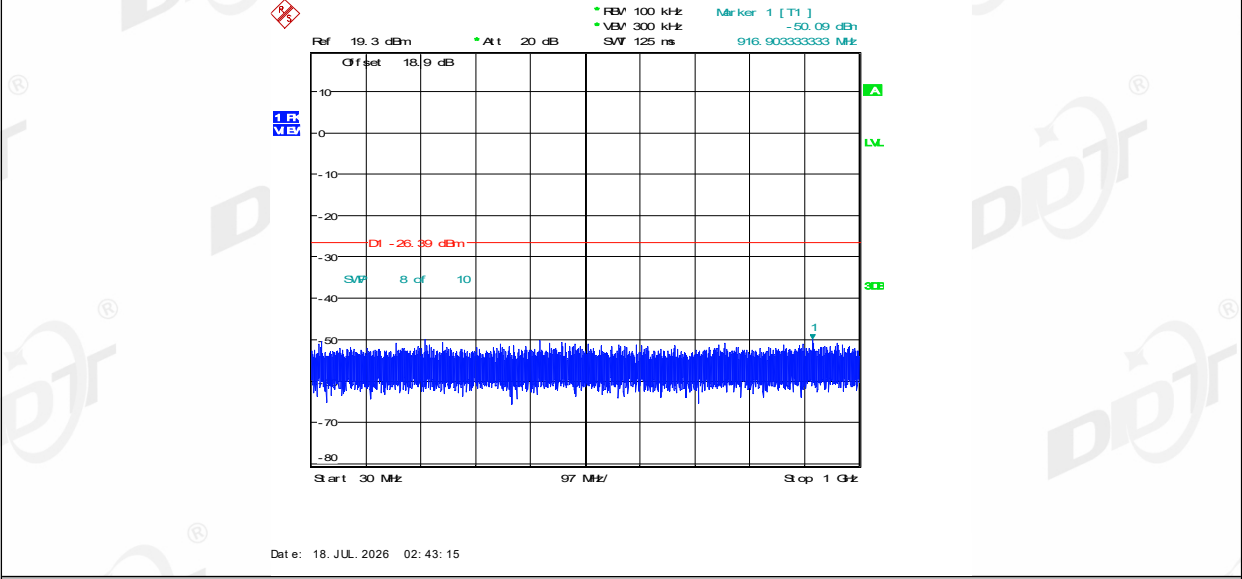
11B_Ant1_2462_1000~26500



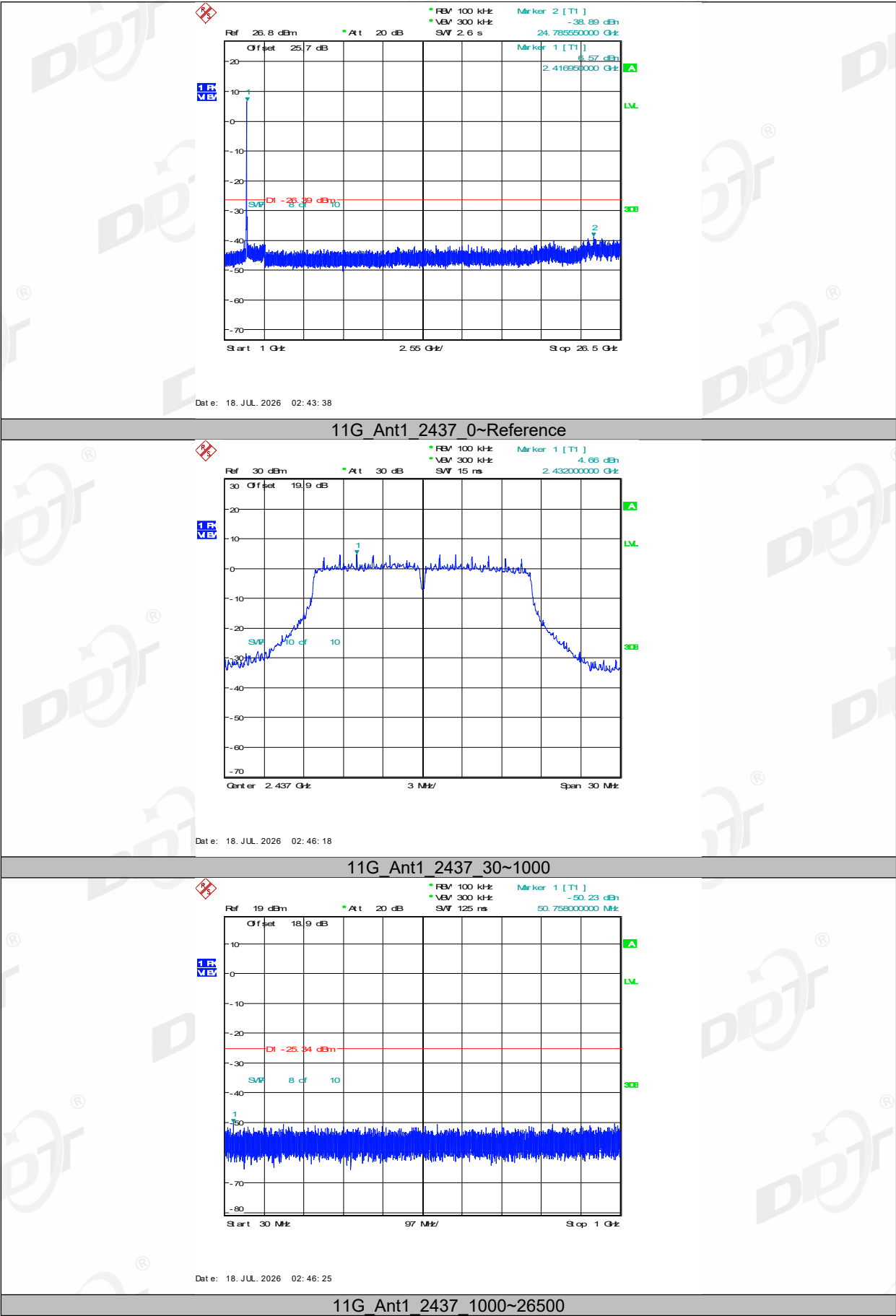
11G_Ant1_2412_0~Reference

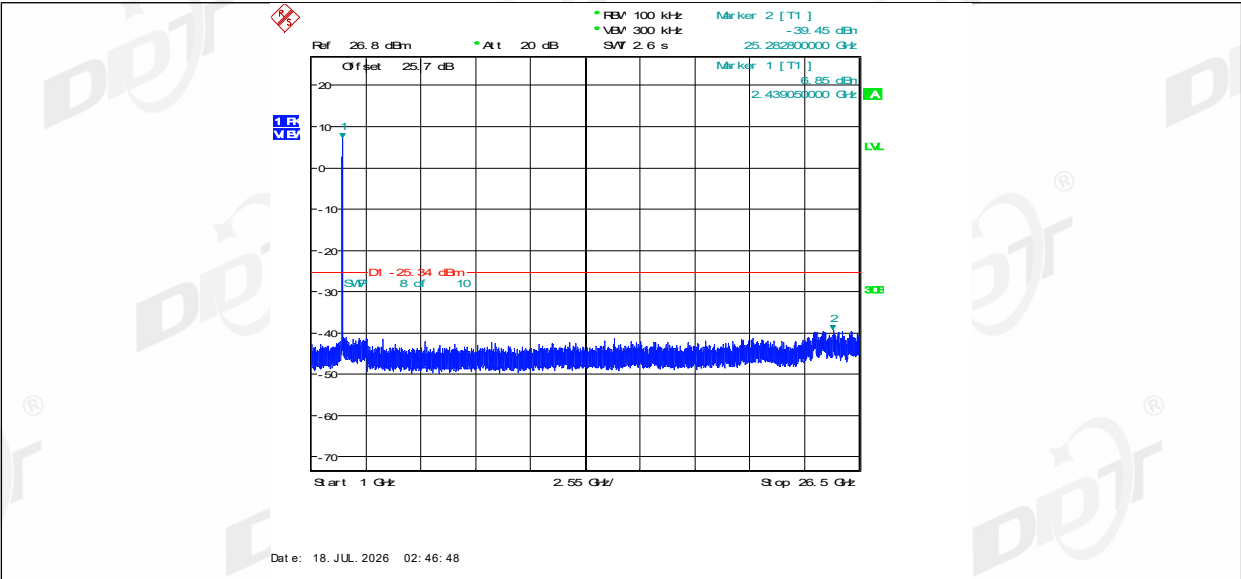


11G_Ant1_2412_30~1000

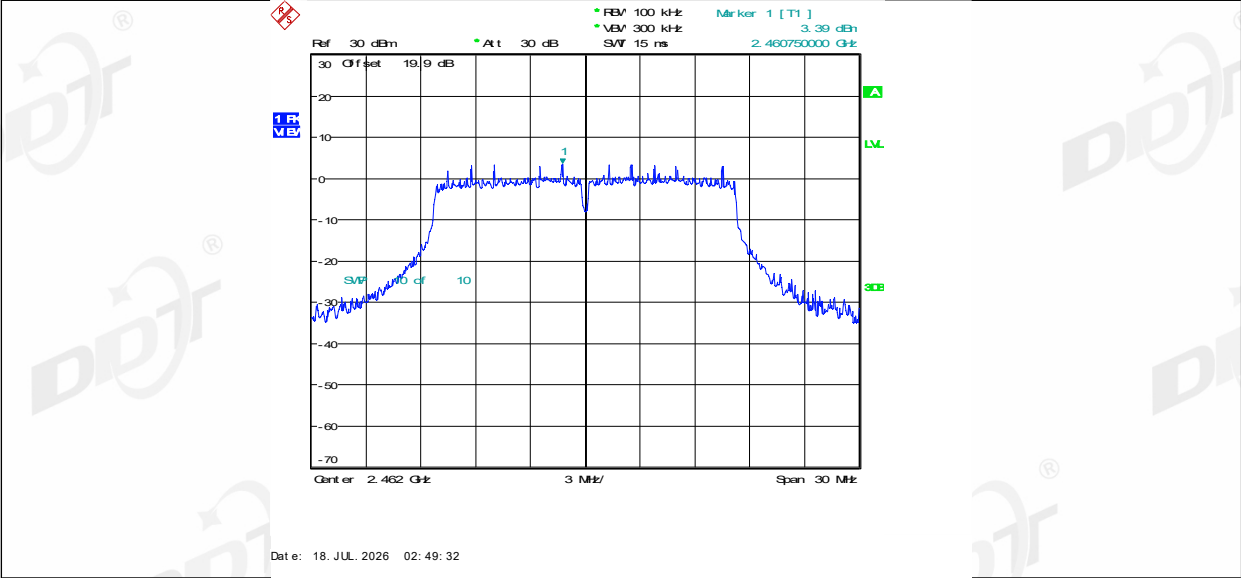


11G_Ant1_2412_1000~26500

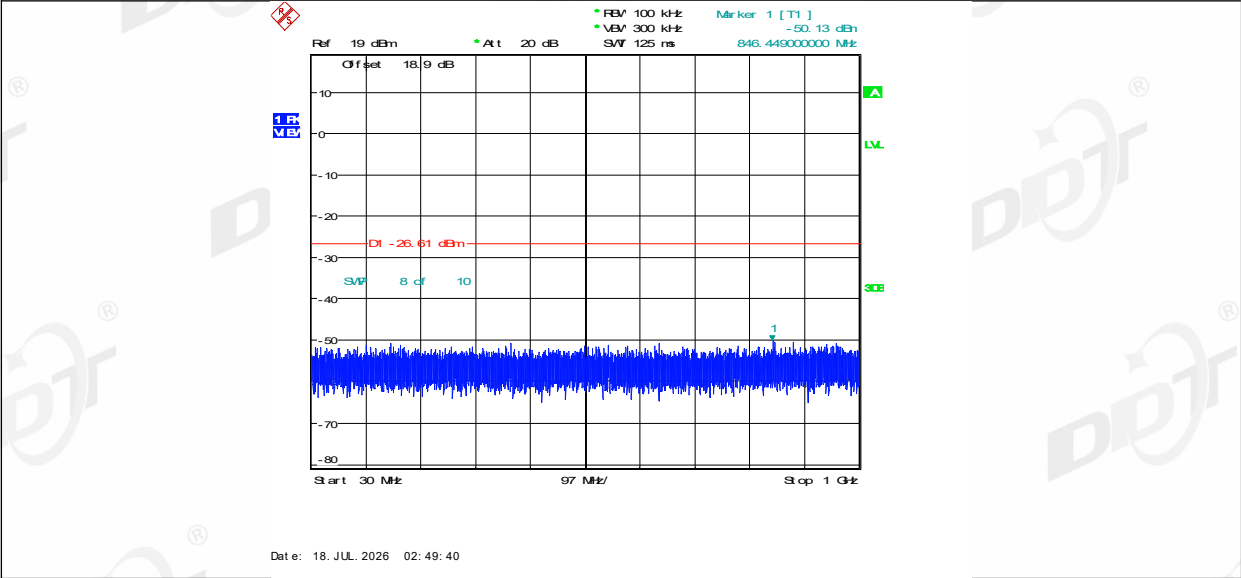




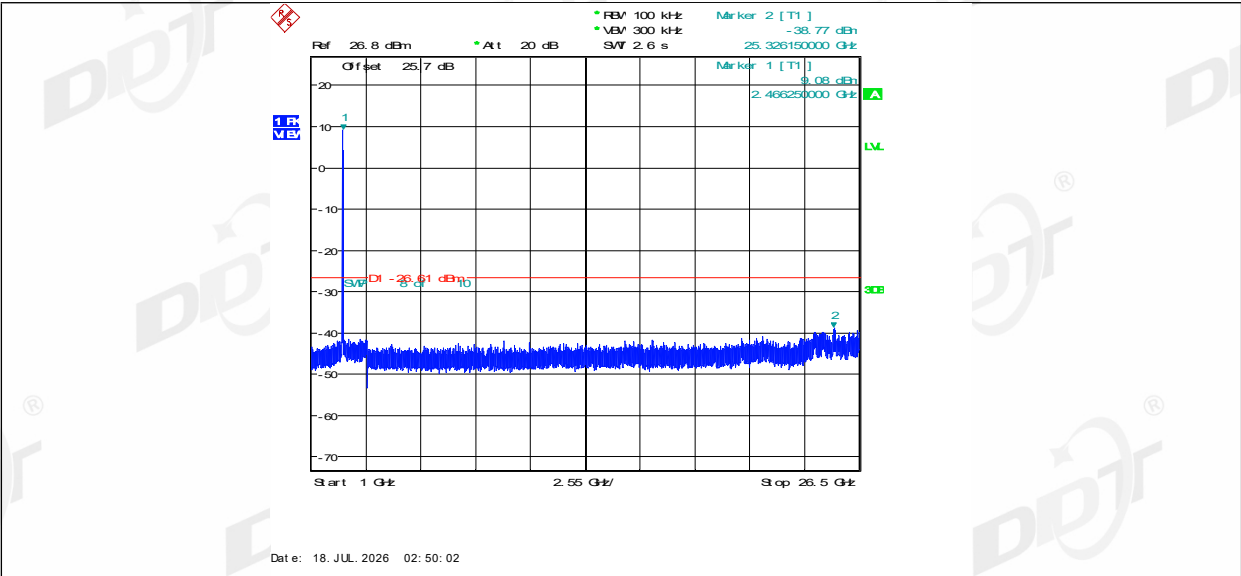
11G_Ant1_2462_0~Reference



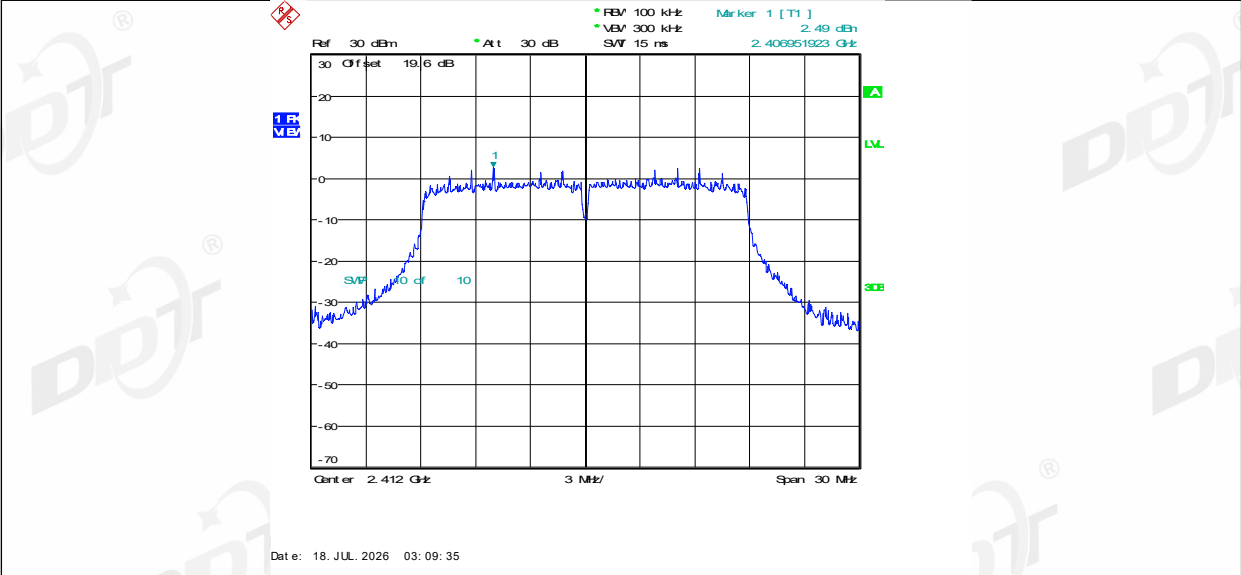
11G_Ant1_2462_30~1000



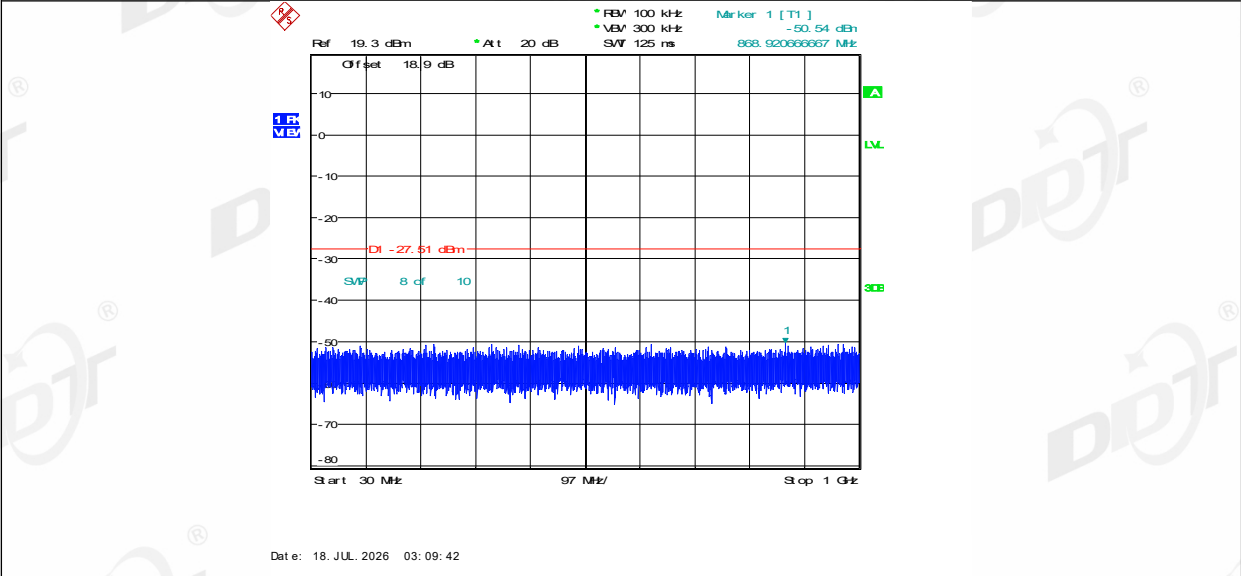
11G_Ant1_2462_1000~26500



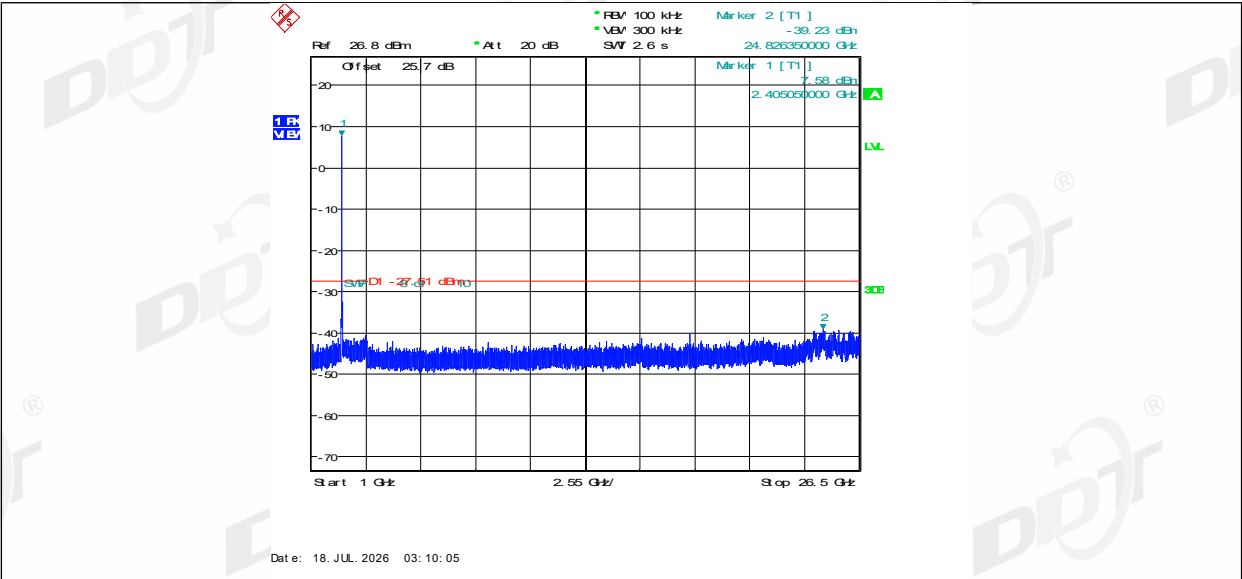
11N20SISO_Ant1_2412_0~Reference



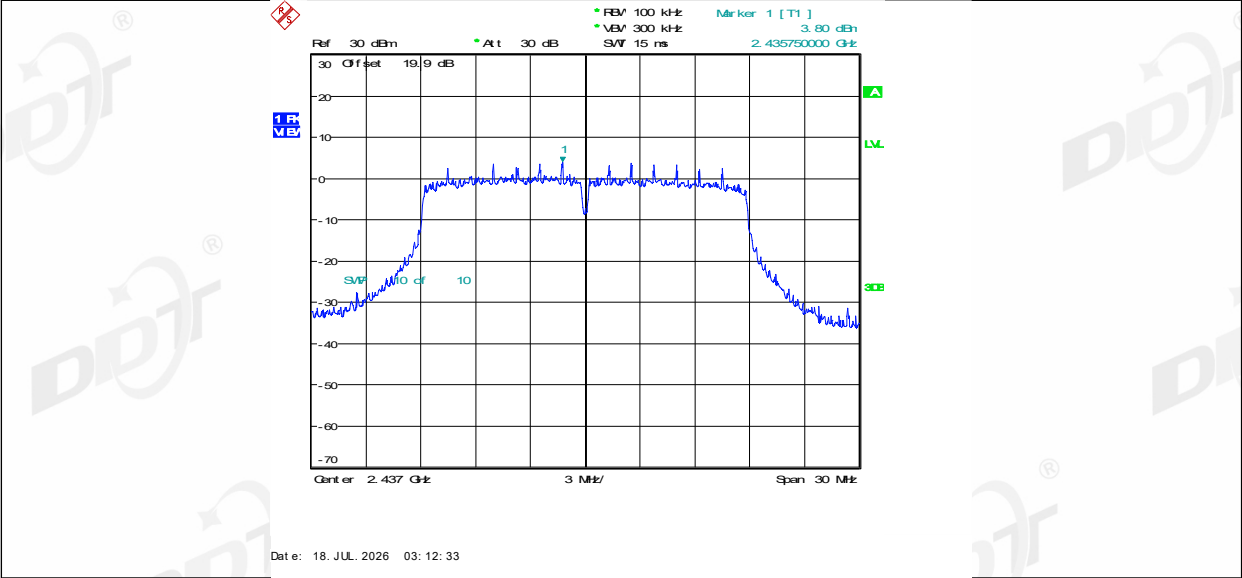
11N20SISO_Ant1_2412_30~1000



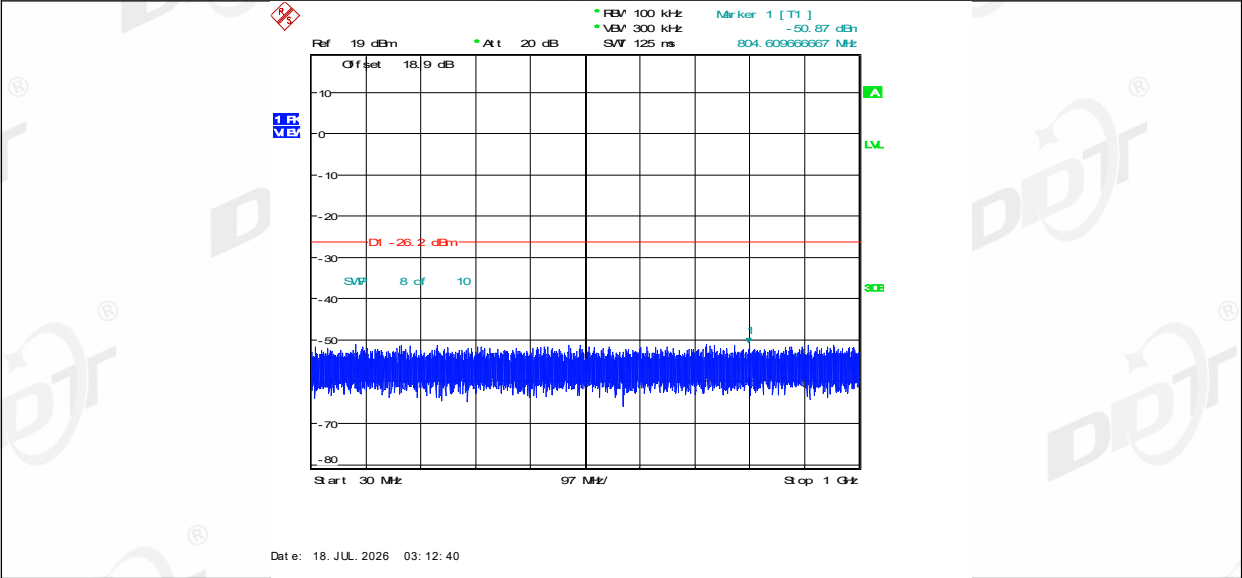
11N20SISO_Ant1_2412_1000~26500



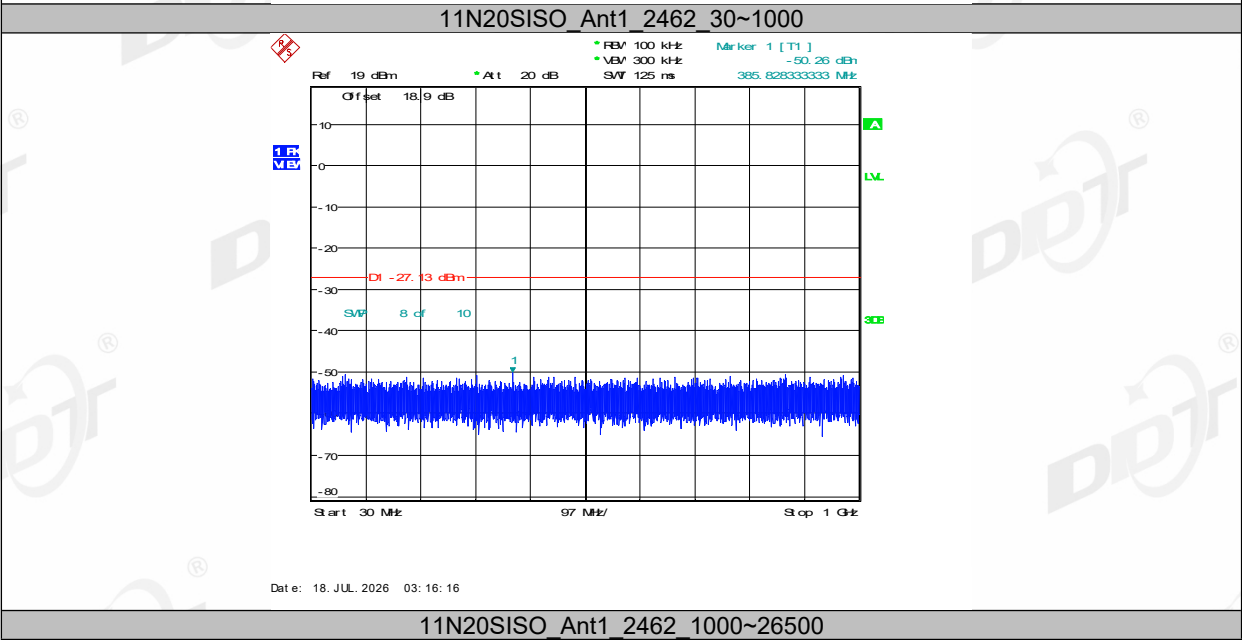
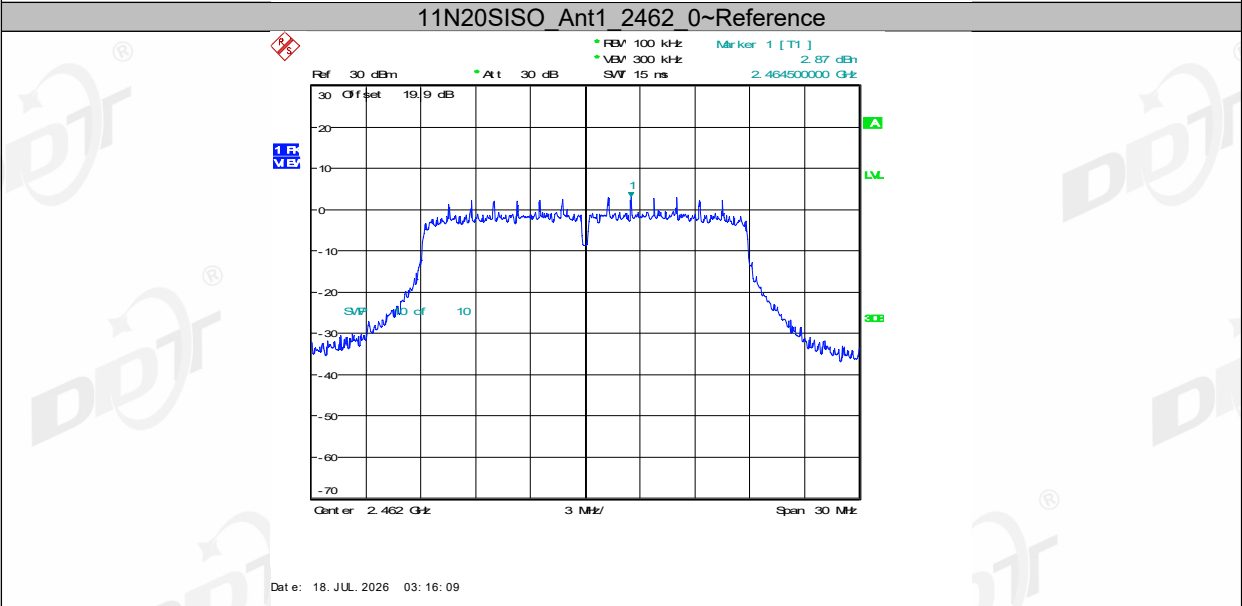
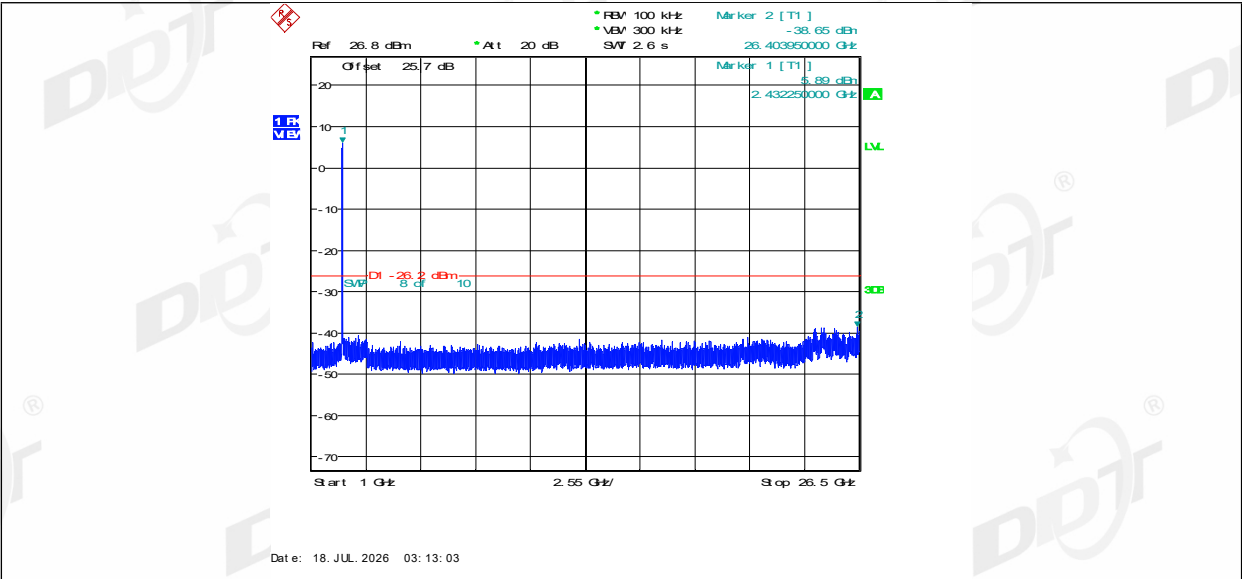
11N20SISO_Ant1_2437_0~Reference

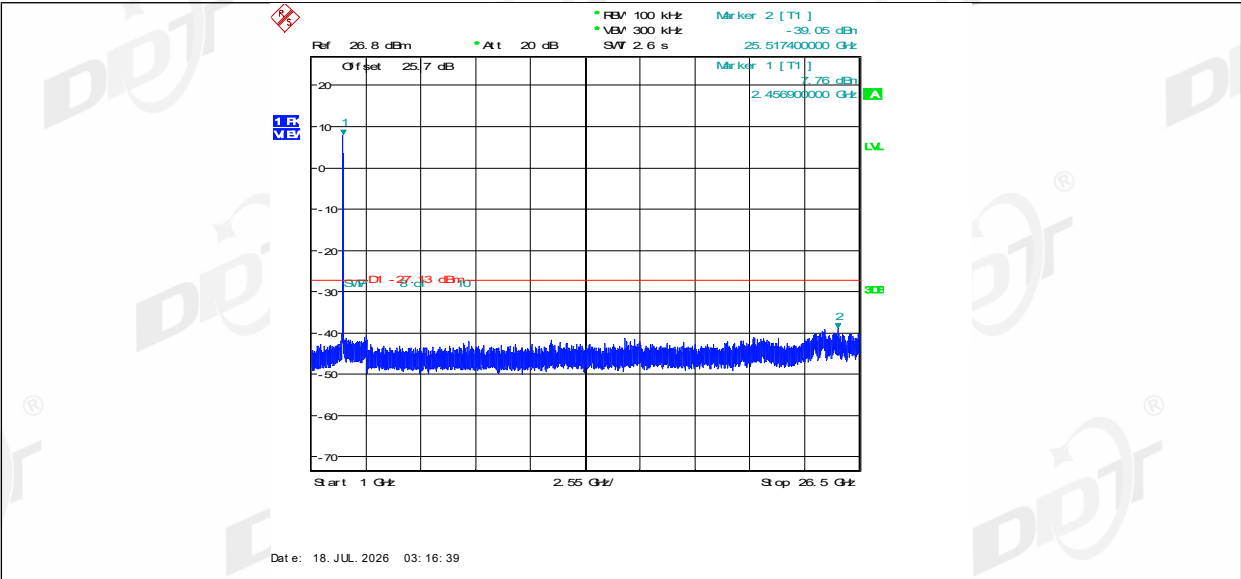


11N20SISO_Ant1_2437_30~1000

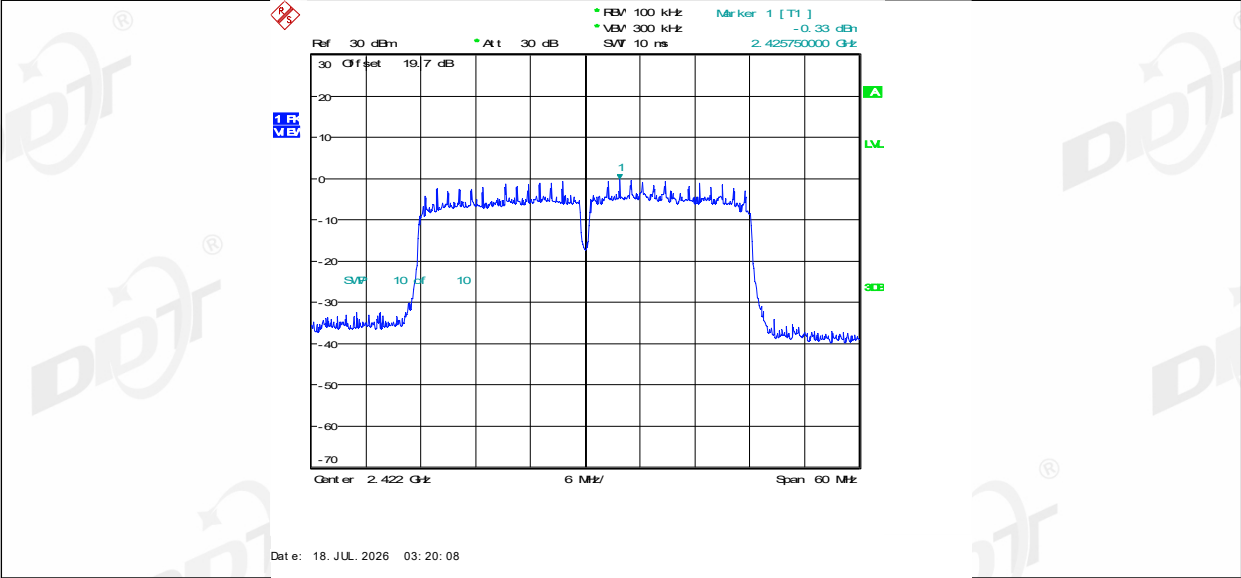


11N20SISO_Ant1_2437_1000~26500

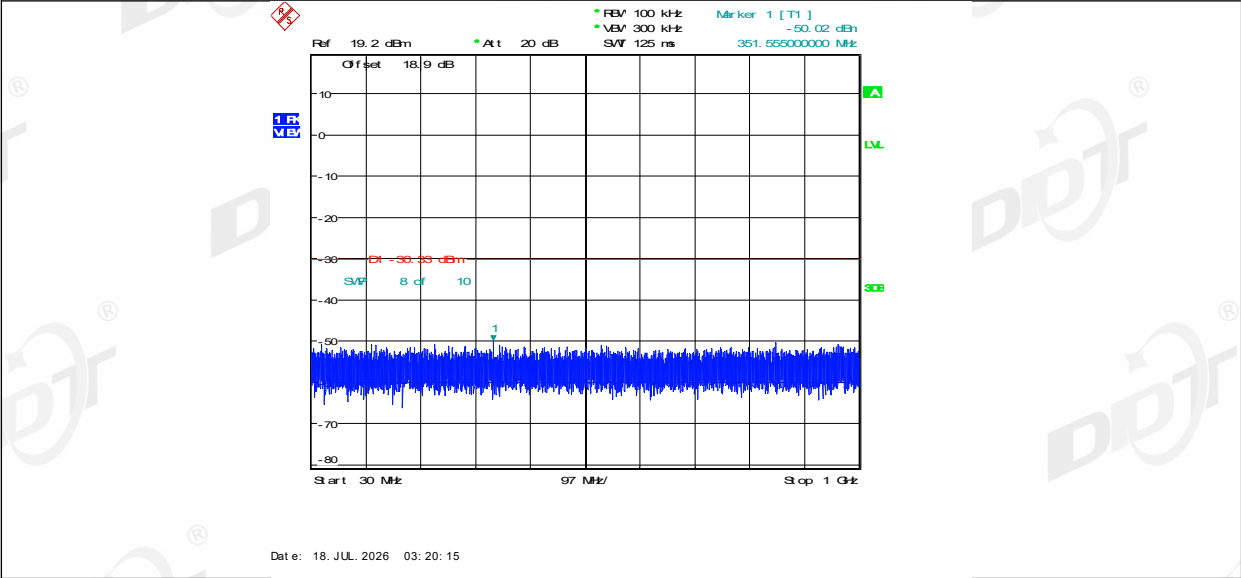




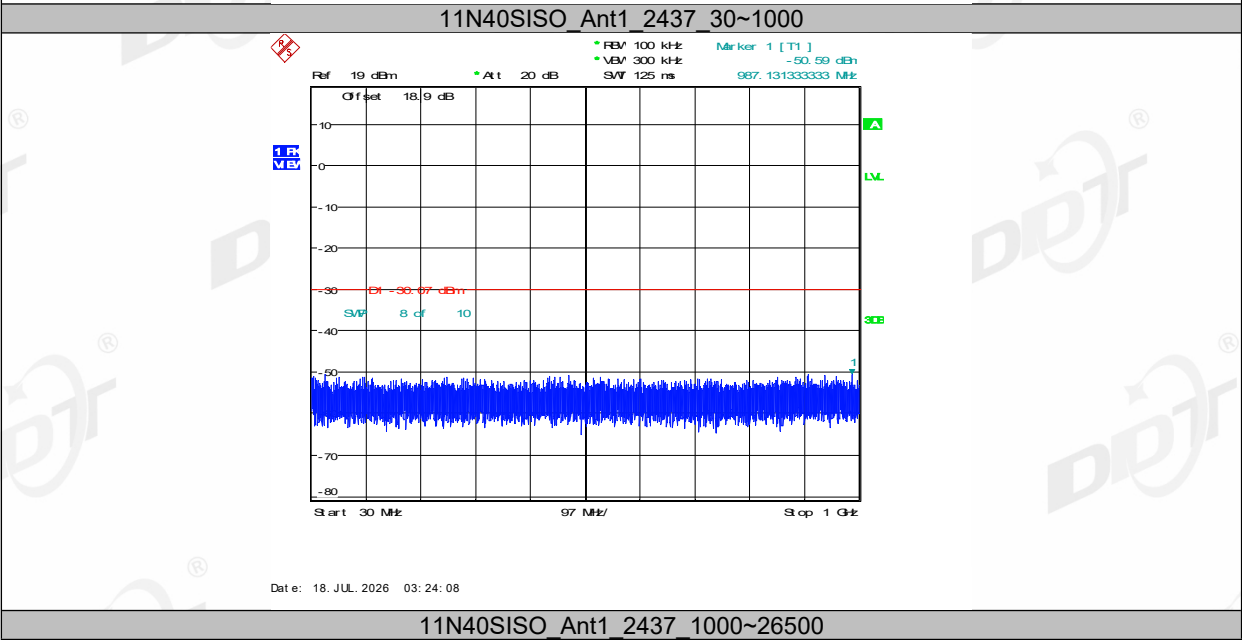
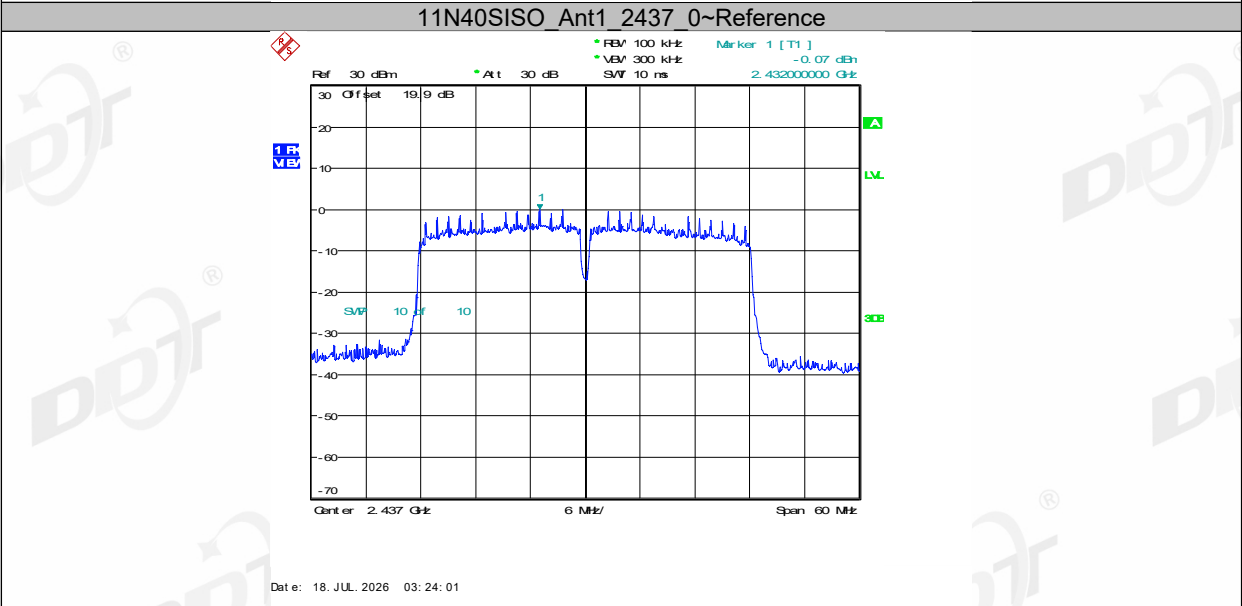
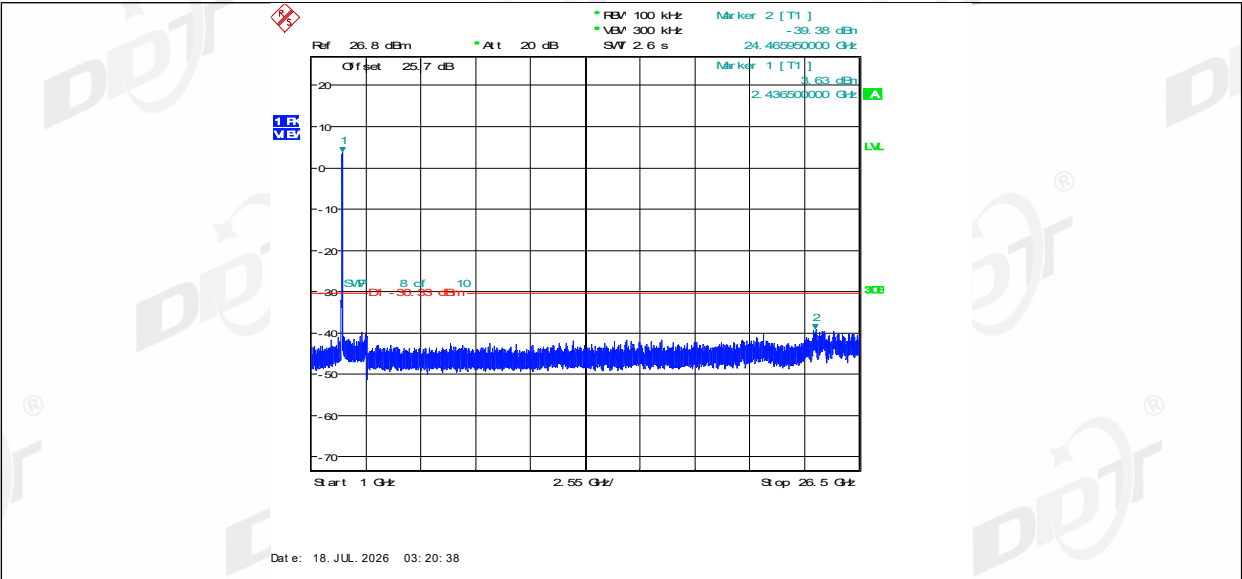
11N40SISO_Ant1_2422_0~Reference

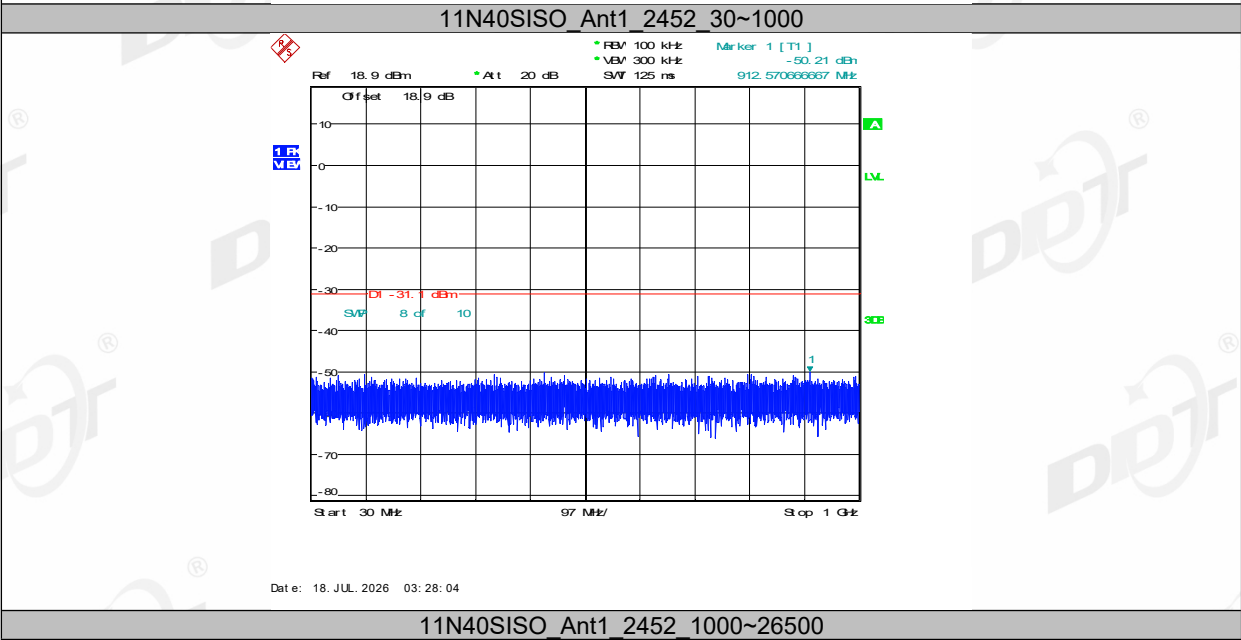
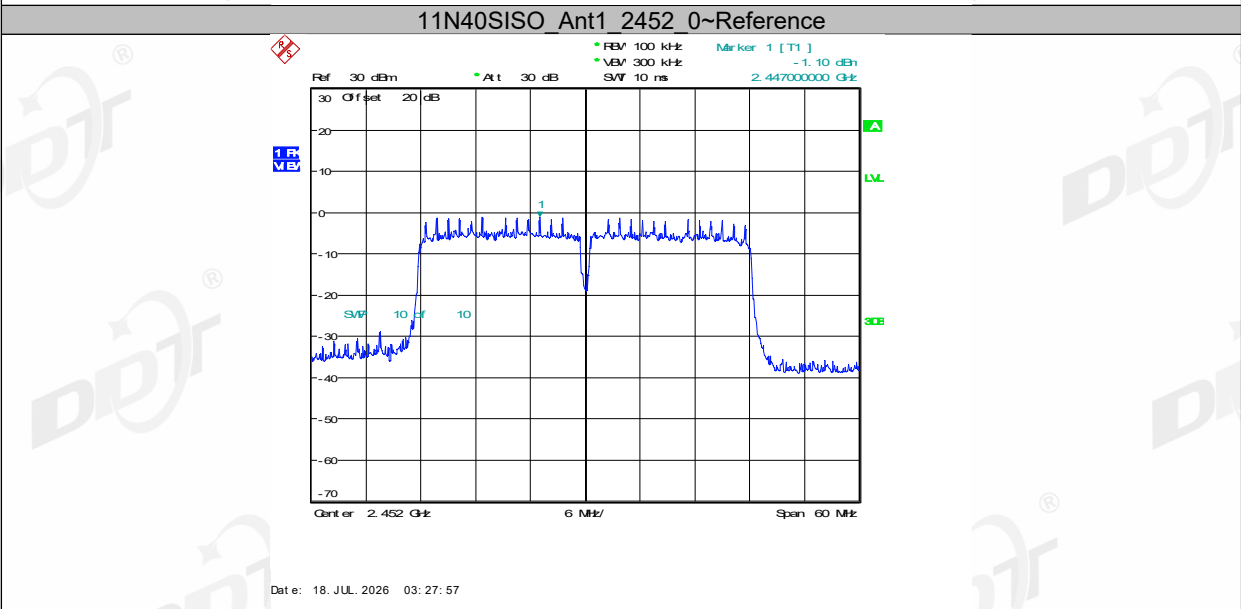
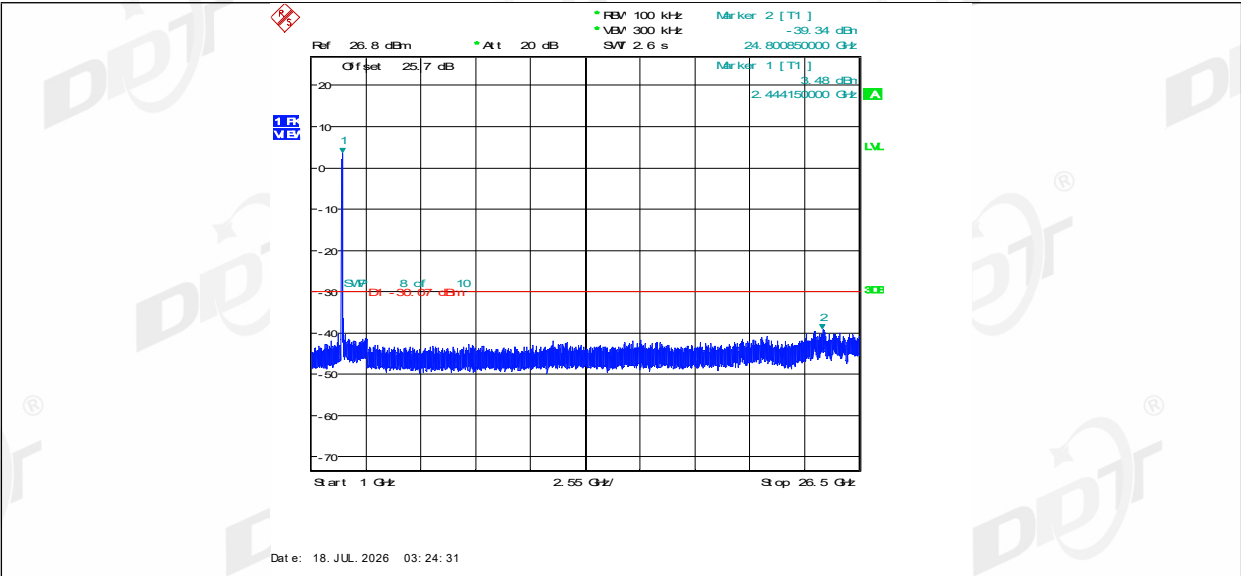


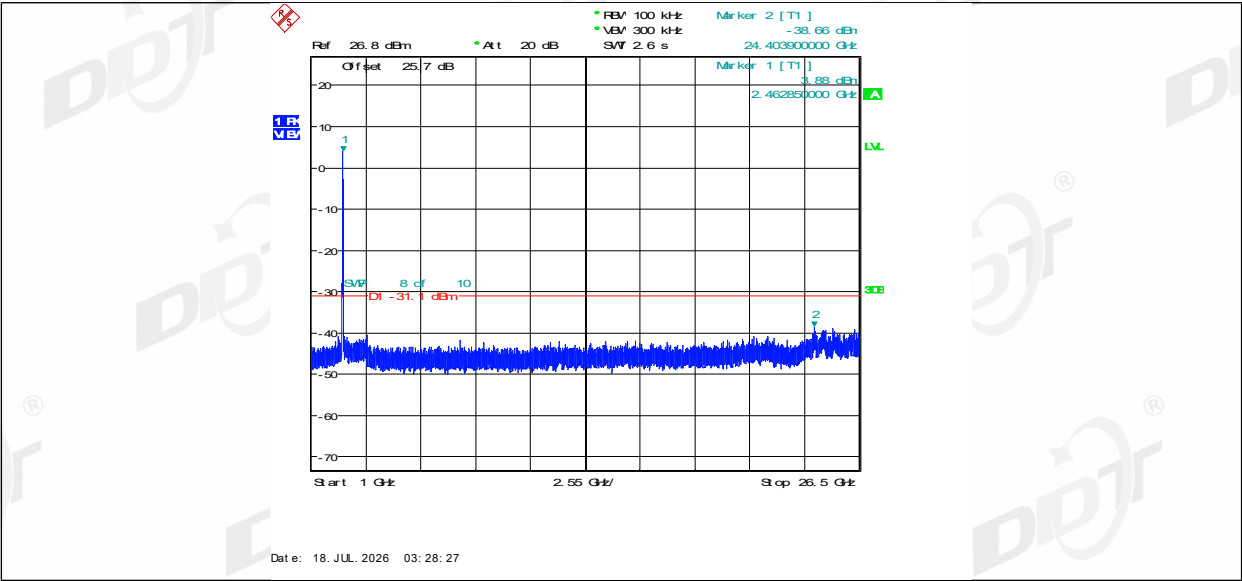
11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500

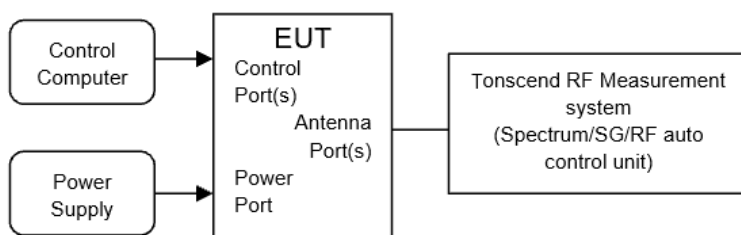






10. Duty Cycle

10.1. Block diagram of test setup



10.2. Limit

Just for Report.

10.3. Test procedure

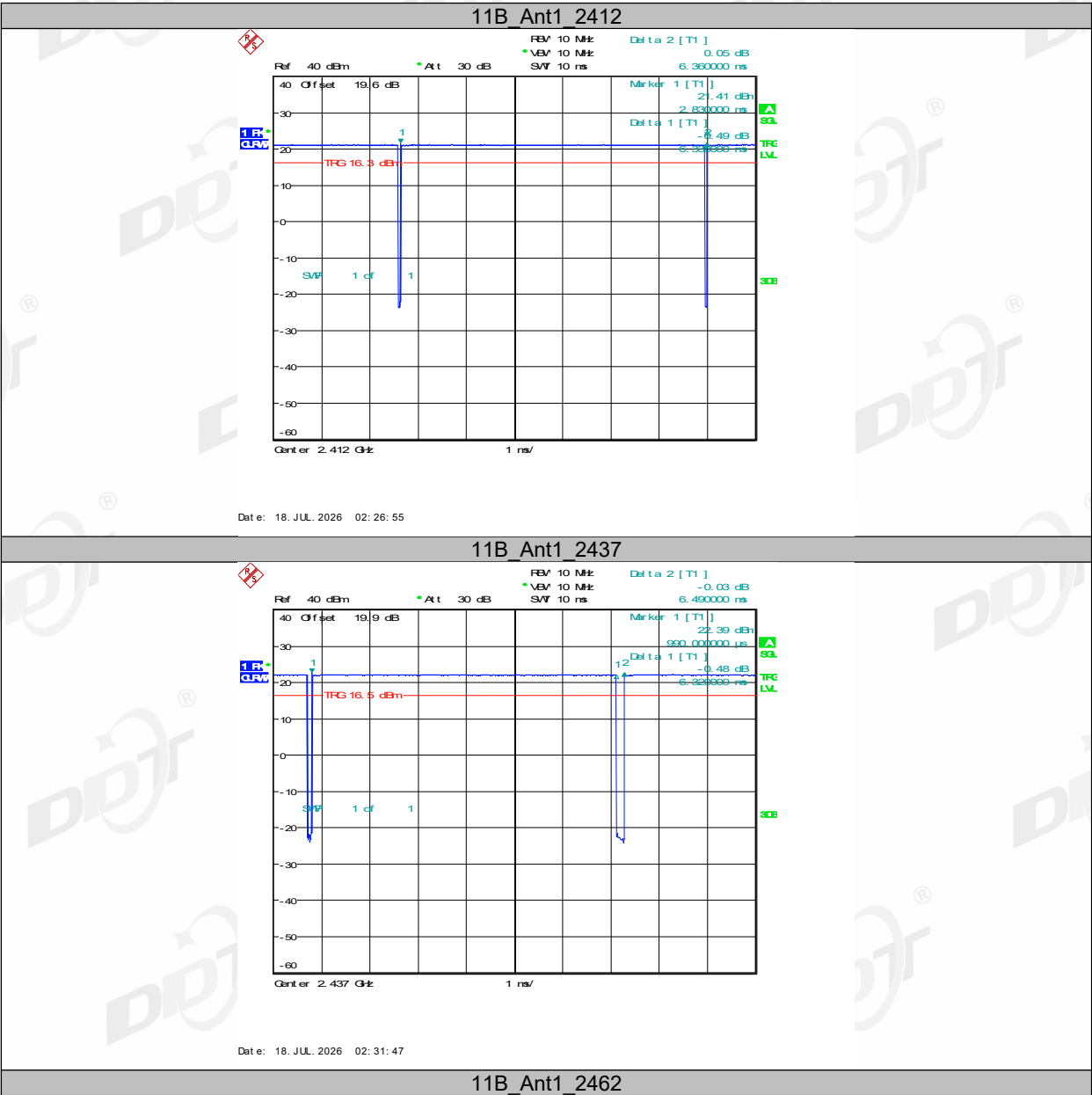
- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, The cable loss and attenuator loss have been put into spectrum analyzer as amplitude offset.
set the Spectrum Analyzer as below:
 - Centre Frequency: The centre frequency of the middle hopping channel.
 - Resolution 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

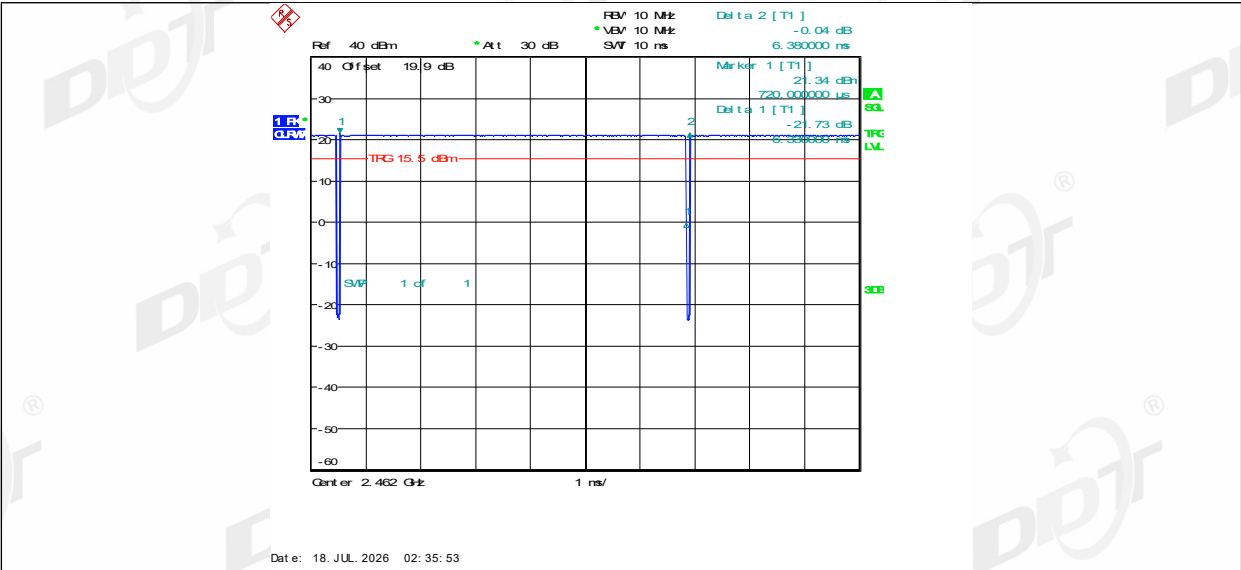
10.4. Test result

Test Engineer:	Guoyuan Lin	Test Site:	RF Measurement System 1#
Ambient Condition:	28℃,27%RH	Test Date:	2026.07.18-2026.07.25
Test Power Supply:	AC 120V/60Hz	Sample Number:	S26061901-013

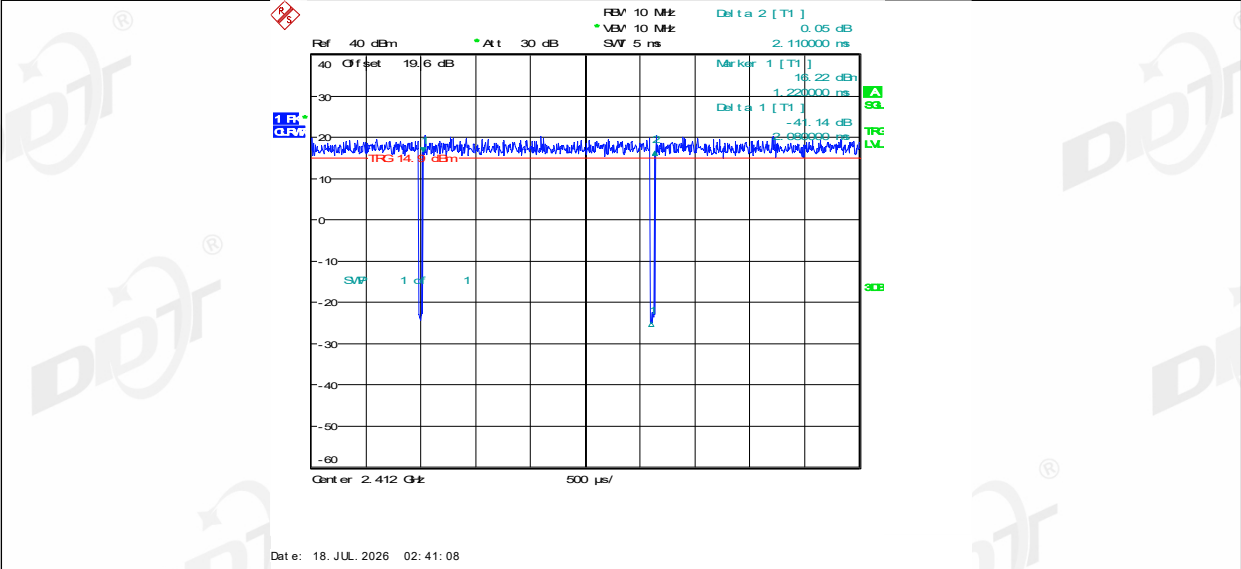
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	6.33	6.36	99.53
		2437	6.32	6.49	97.38
		2462	6.33	6.38	99.22
11G	Ant1	2412	2.08	2.11	98.58
		2437	2.07	2.16	95.83
		2462	2.08	2.19	94.98
11N20SISO	Ant1	2412	1.94	2.11	91.94
		2437	1.93	2.06	93.69
		2462	1.93	2.05	94.15
11N40SISO	Ant1	2422	0.95	1.09	87.16
		2437	0.95	1.10	86.36
		2452	0.95	1.11	85.59

10.5. Test graphs

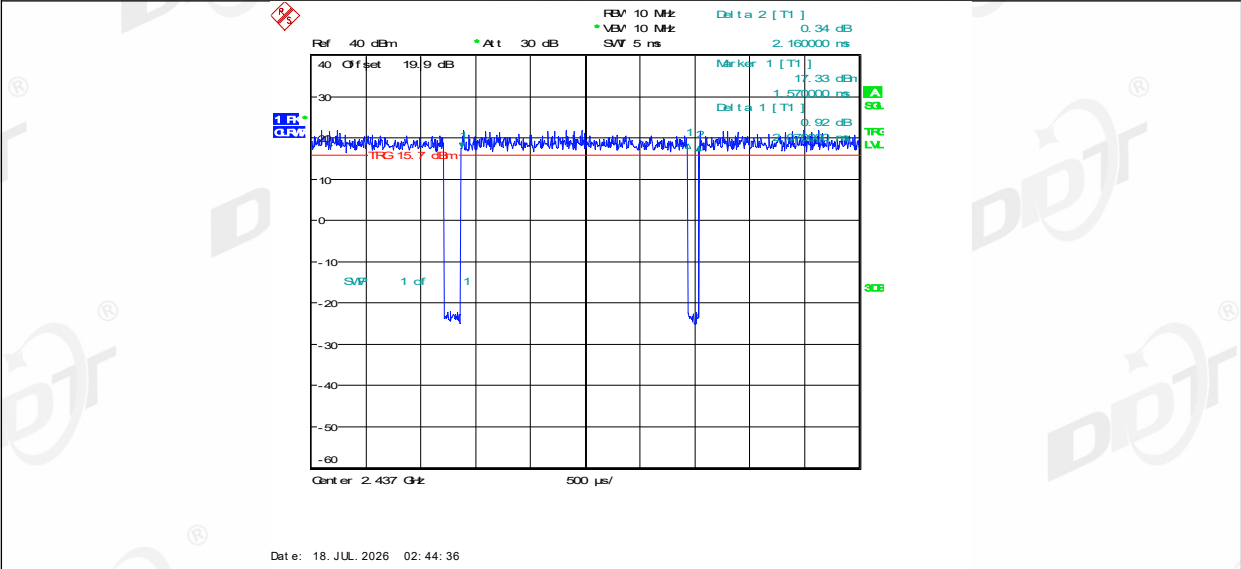




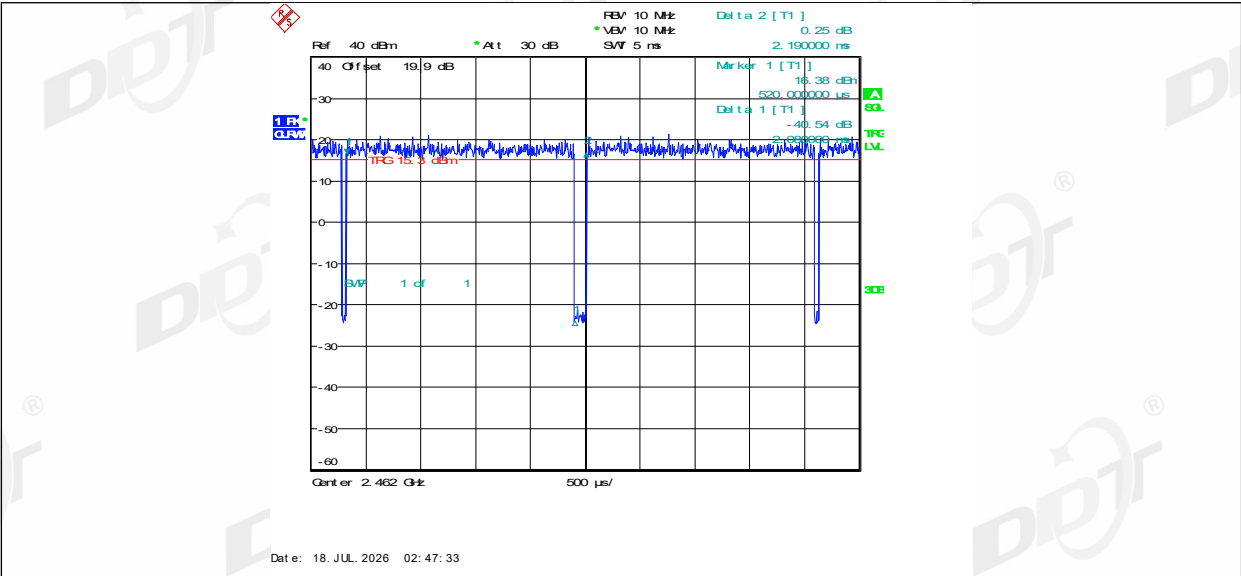
11G Ant1_2412



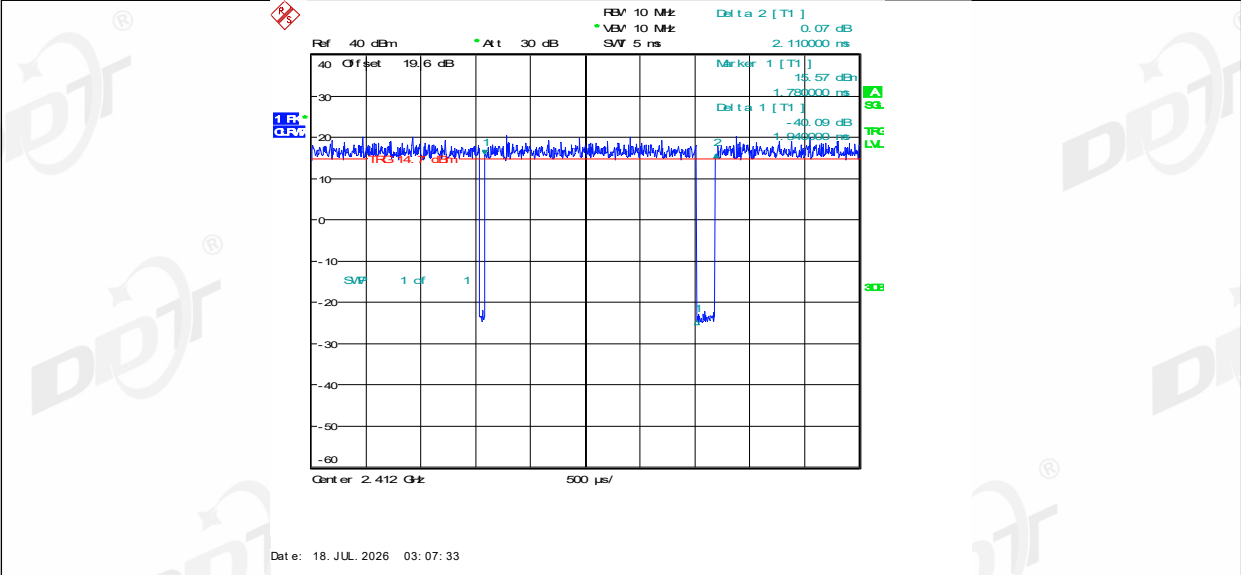
11G Ant1_2437



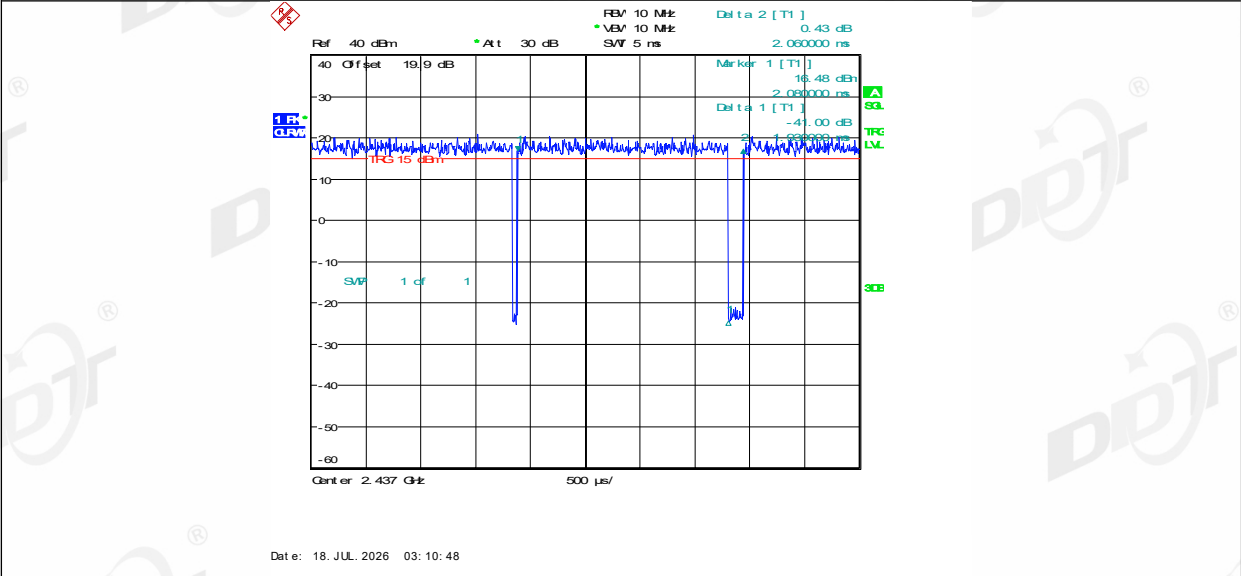
11G Ant1_2462



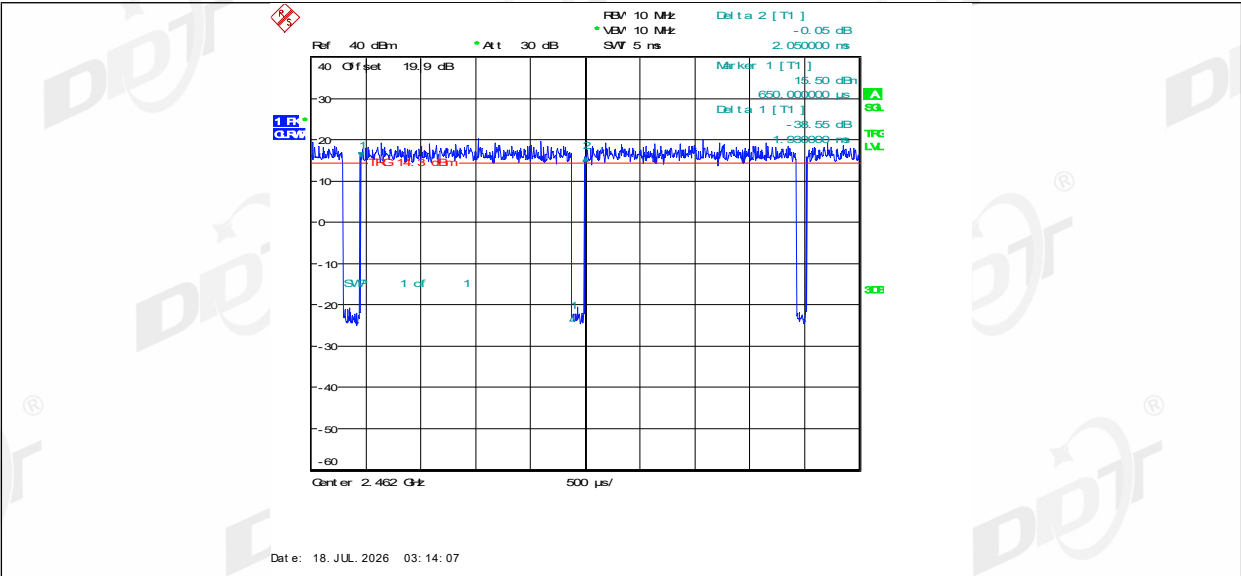
11N20SISO Ant1 2412



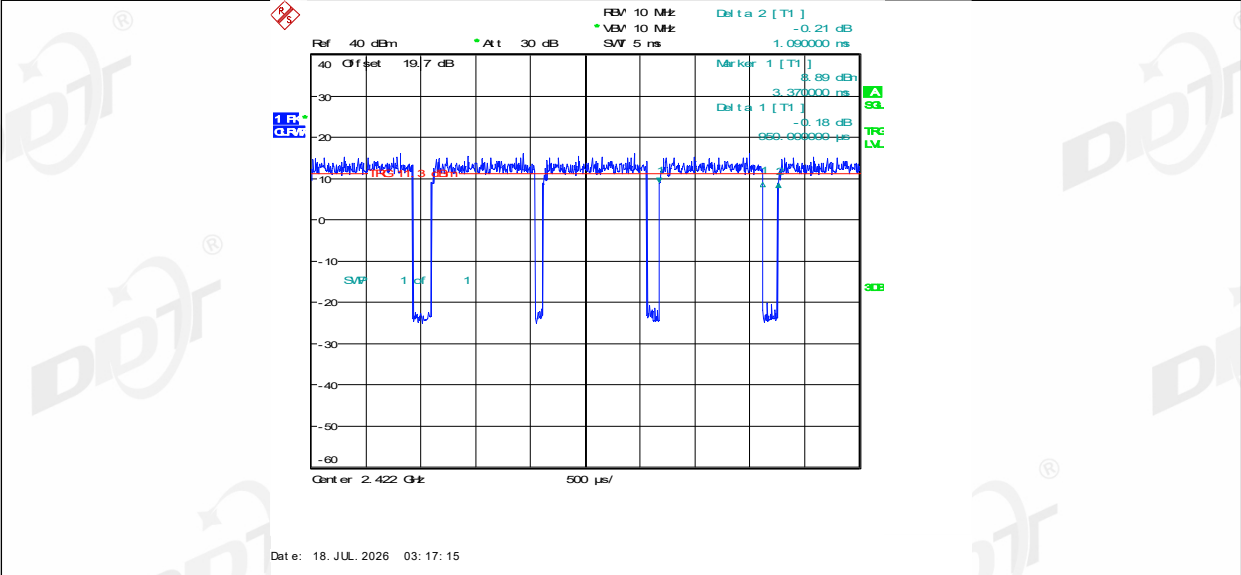
11N20SISO Ant1 2437



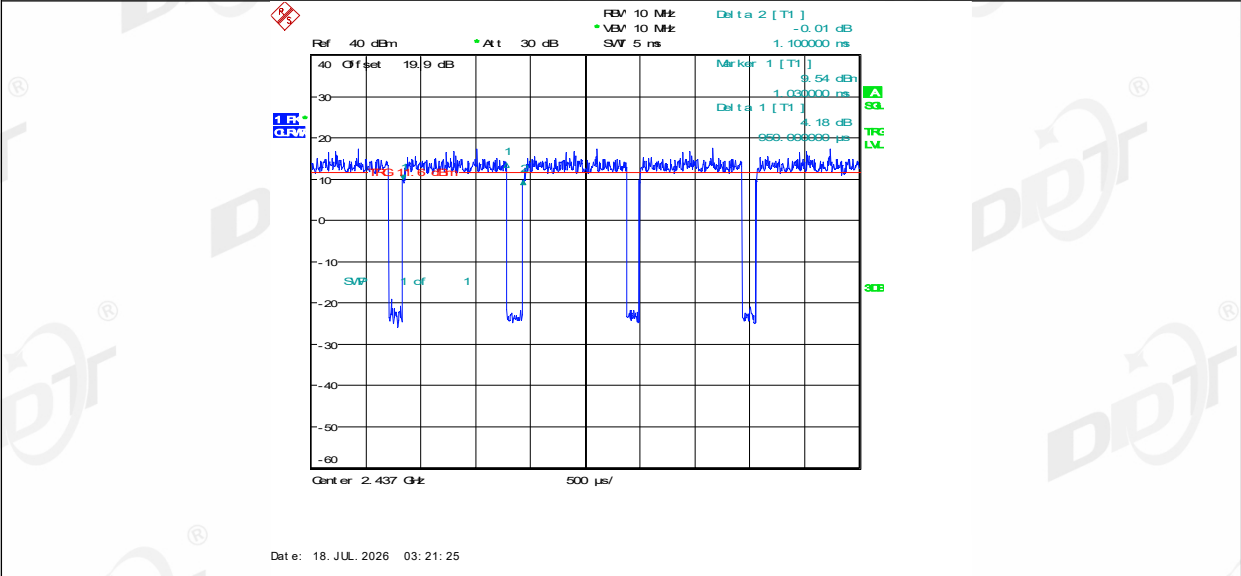
11N20SISO Ant1 2462



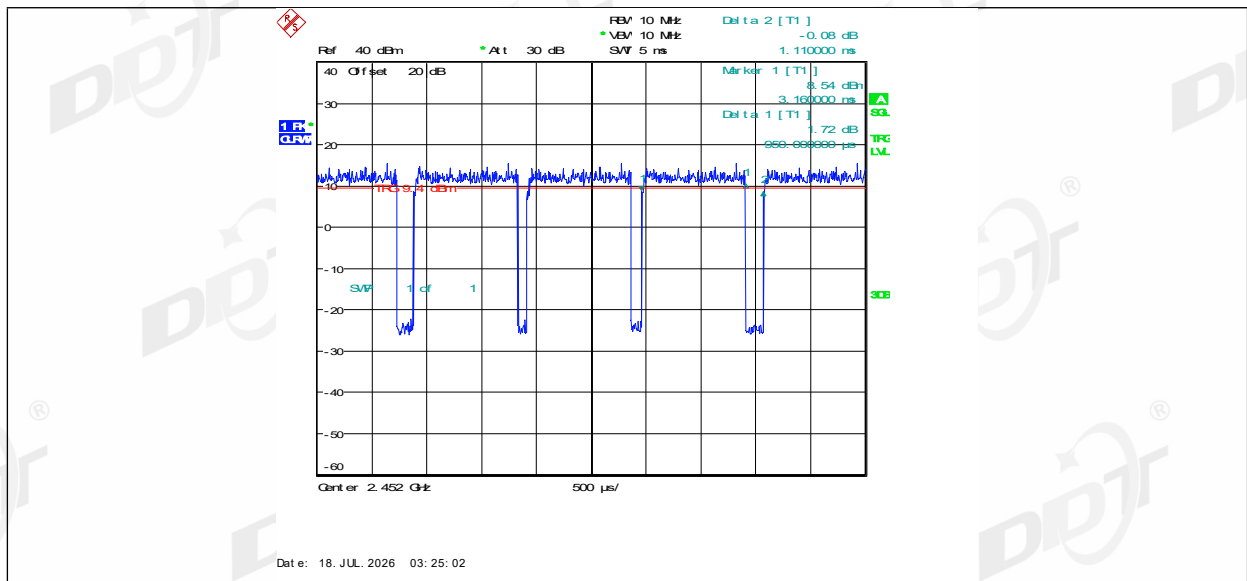
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



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

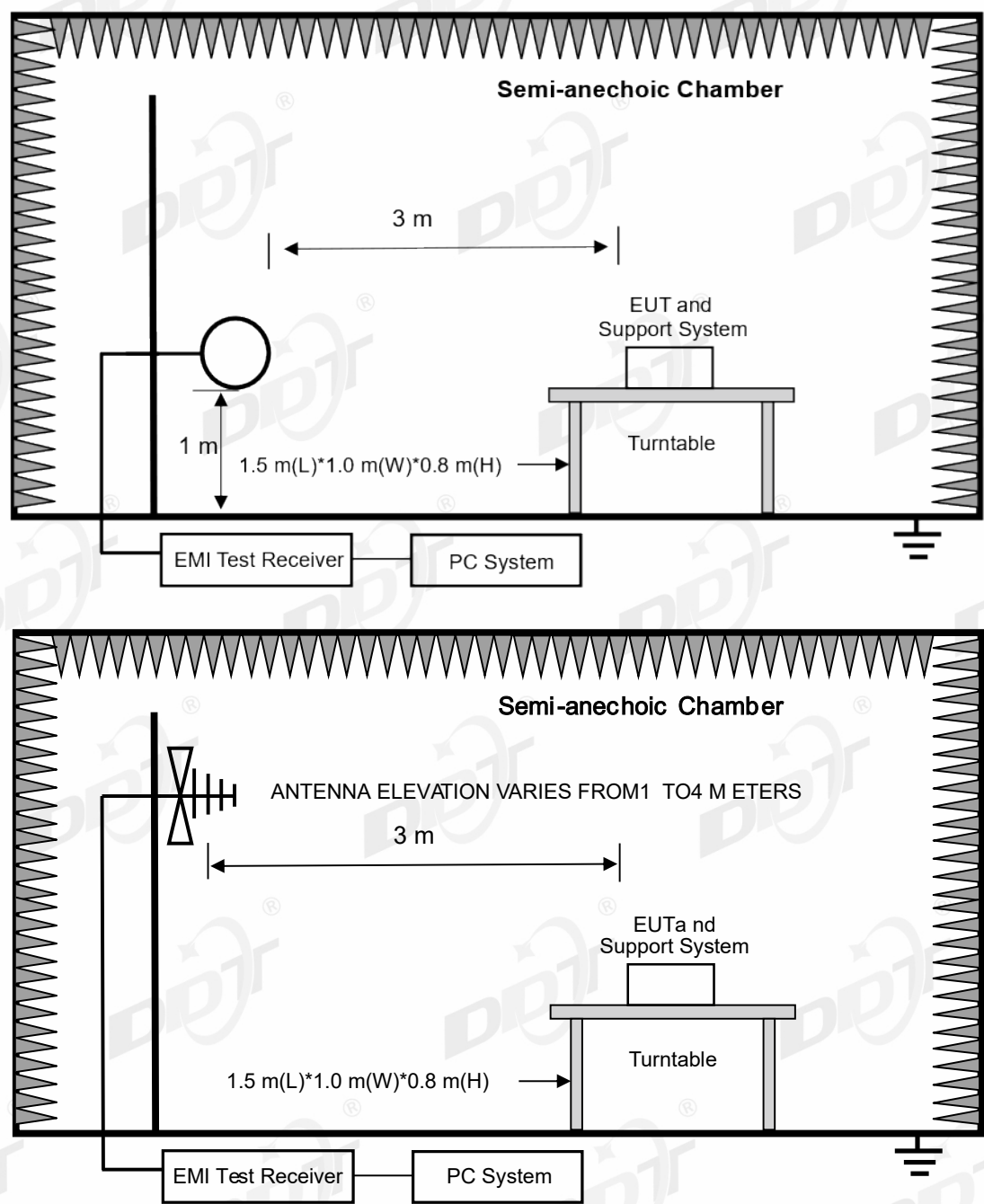
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

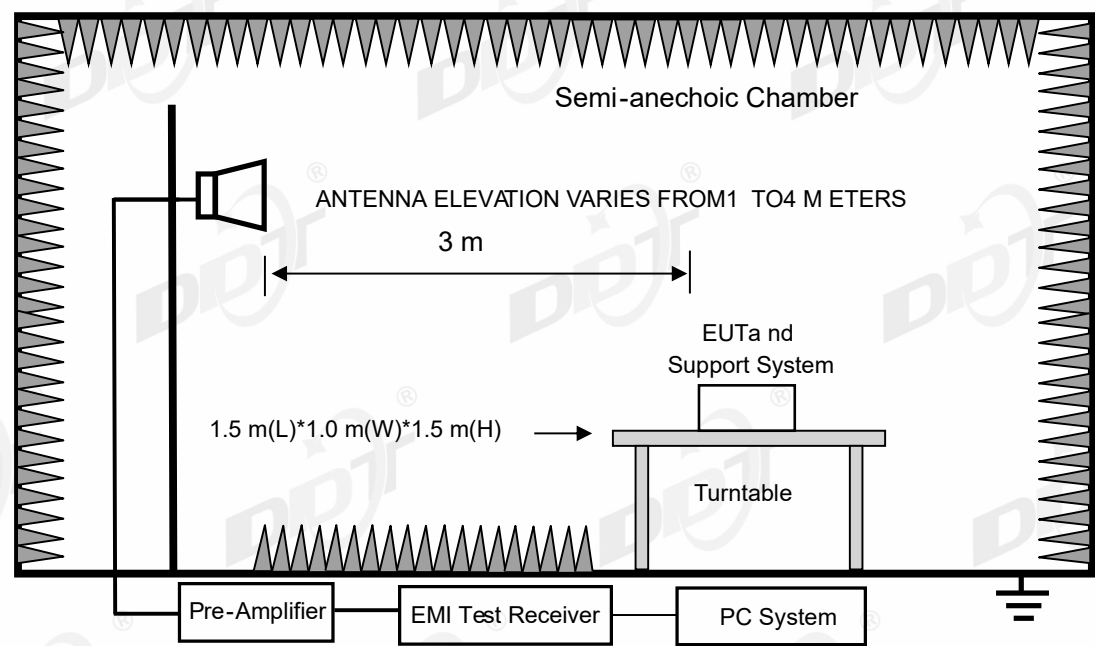
12. Radiated Emission

12.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2027/02/27
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2027/07/10
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2027/07/10
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2027/06/25
Radiation disturbance fully automated test software	Tonscend	JS32-RE (V5.0.0)	DDT-ZC02739	/
RF cable	Zhongke Junchuang	JCTB510-NJW-NJW-0.6M	DDT-ZC04595	2026/10/10
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-3M	DDT-ZC05590	2026/10/10
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-10M	DDT-ZC05591	2026/10/10
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
10.495-0.505	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.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(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) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

(10) 30 MHz ~ 25 GHz: (Scan with all mode, the worst case is record and report)

(11) 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.

(12) 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:

2026-07-16

Tested By:

Zhang Yibo

Test Mode:

TX 11N20 2412MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.3°C;Humi:62.4%

Test Site:

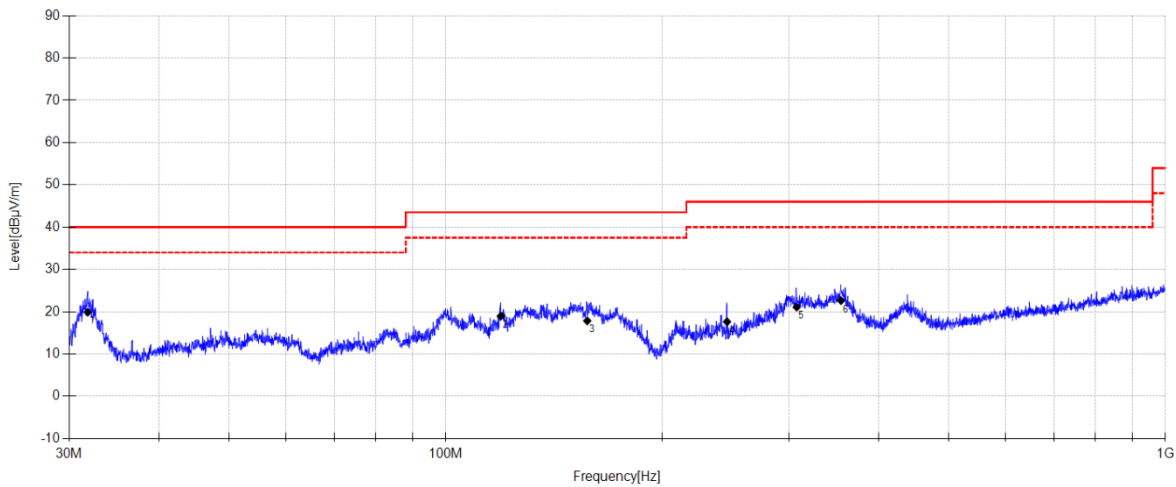
DDT 3# Chamber

File Path:

d:\ts\2026 report data\Q26061901-2E\FCC BELOW 1G\7

Memo:

Sample Number:S26061901-013



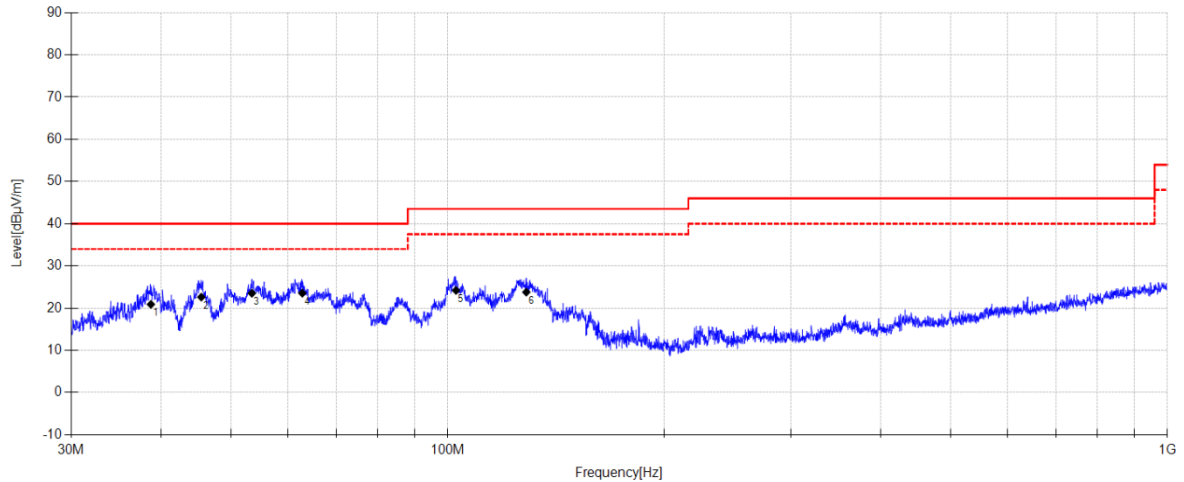
Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	31.820	37.59	10.79	3.81	19.89	40.00	20.11	QP	Horizontal
2	119.319	36.84	10.04	4.41	18.97	43.50	24.53	QP	Horizontal
3	157.286	37.12	8.46	4.63	17.85	43.50	25.65	QP	Horizontal
4	246.020	32.99	11.98	5.06	17.63	46.00	28.37	QP	Horizontal
5	307.472	34.48	13.70	5.31	21.08	46.00	24.92	QP	Horizontal
6	354.257	34.52	15.04	5.51	22.62	46.00	23.38	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: 2026-07-16 **Tested By:** Zhang Yibo
Test Mode: TX 11N20 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.3°C;Humi:62.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26061901-2E\FCC BELOW 1G\8
Memo: Sample Number:S26061901-013

**Final Data List**

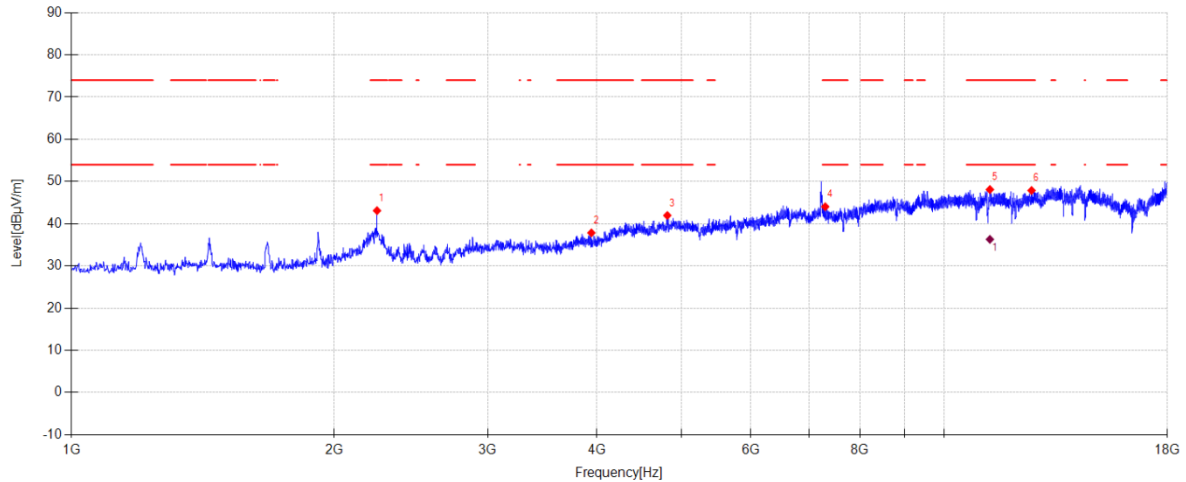
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	38.695	37.03	12.27	3.90	20.90	40.00	19.10	QP	Vertical
2	45.467	37.75	13.21	3.95	22.61	40.00	17.39	QP	Vertical
3	53.462	38.52	13.29	4.01	23.52	40.00	16.48	QP	Vertical
4	62.817	39.32	12.44	4.09	23.55	40.00	16.45	QP	Vertical
5	102.694	41.3	10.88	4.32	24.20	43.50	19.30	QP	Vertical
6	128.616	43.05	8.61	4.47	23.80	43.50	19.70	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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N20 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\32
Memo: Sample Number:S26061901-001 Power Setting:50

**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	2239.300	62.55	28.10	-47.56	43.09	74.00	30.91	PK	Horizontal
2	3941.000	53.57	31.68	-47.41	37.84	74.00	36.16	PK	Horizontal
3	4814.800	52.92	33.26	-44.22	41.96	74.00	32.04	PK	Horizontal
4	7301.900	51.65	37.69	-45.31	44.03	74.00	29.97	PK	Horizontal
5	11273.100	49.52	39.97	-41.39	48.10	74.00	25.90	PK	Horizontal
6	12582.100	48.81	39.96	-40.90	47.87	74.00	26.13	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	11273.100	37.72	39.97	-41.39	36.30	54.00	17.70	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:

2026-07-17

Tested By:

Cao Jie

Test Mode:

TX 11N20 2412MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.6°C;Humi:56.3%

Test Site:

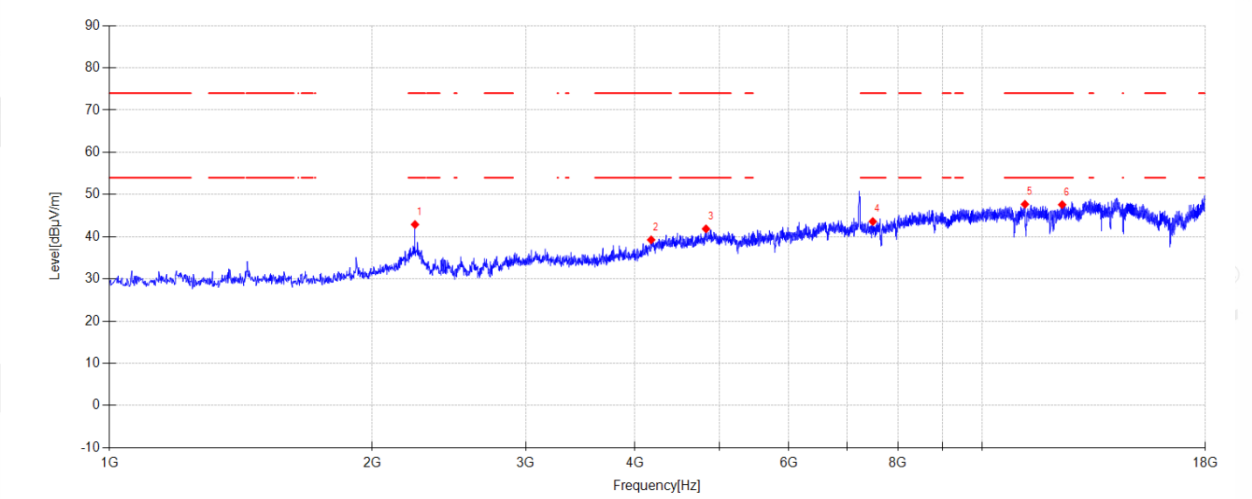
4# Fully Anechoic Room

File Path:

d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\33

Memo:

Sample Number:S26061901-001 Power Setting:50



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	2239.300	62.35	28.10	-47.56	42.89	74.00	31.11	PK	Vertical
2	4173.900	52.62	31.80	-45.16	39.26	74.00	34.74	PK	Vertical
3	4823.300	52.78	33.29	-44.21	41.86	74.00	32.14	PK	Vertical
4	7488.900	51.63	37.10	-45.13	43.60	74.00	30.40	PK	Vertical
5	11186.400	49.44	39.87	-41.62	47.69	74.00	26.31	PK	Vertical
6	12340.700	48.34	39.76	-40.51	47.59	74.00	26.41	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

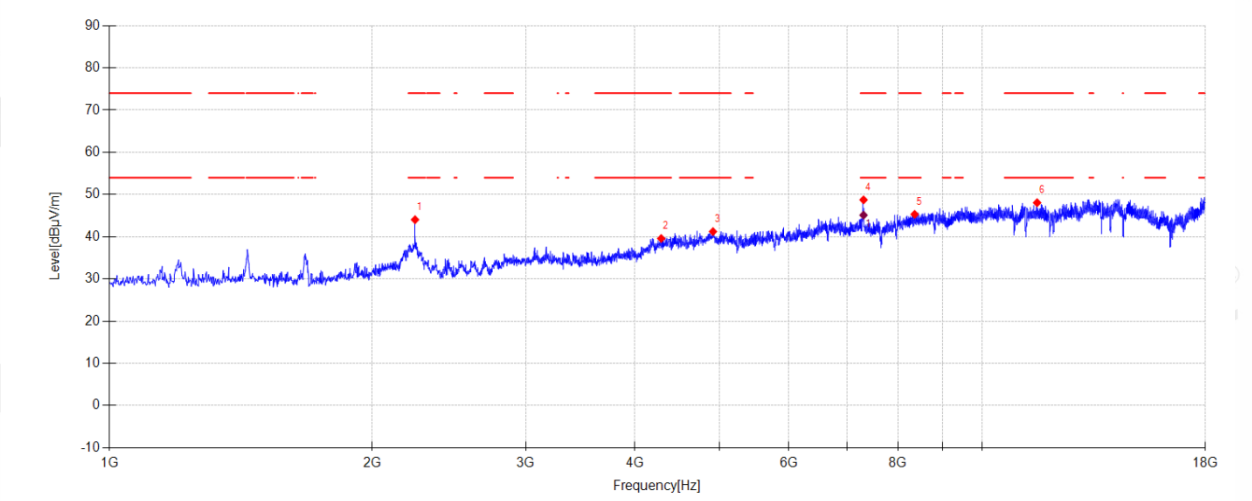
Test Date:2026-07-17Tested By:Cao Jie

Test Mode:TX 11N20 2437MHz ModePower Supply:AC 120V/60Hz

Condition:Temp:23.6°C;Humi:56.3%Test Site:4# Fully Anechoic Room

File Path:d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\34

Memo:Sample Number:S26061901-001 Power Setting:50



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	2239.300	63.50	28.10	-47.56	44.04	74.00	29.96	PK	Horizontal
2	4286.100	52.37	32.07	-44.86	39.58	74.00	34.42	PK	Horizontal
3	4913.400	51.86	33.55	-44.19	41.22	74.00	32.78	PK	Horizontal
4	7308.700	56.37	37.65	-45.29	48.73	74.00	25.27	PK	Horizontal
5	8362.700	51.71	38.03	-44.43	45.31	74.00	28.69	PK	Horizontal
6	11550.200	49.78	39.70	-41.42	48.06	74.00	25.94	PK	Horizontal

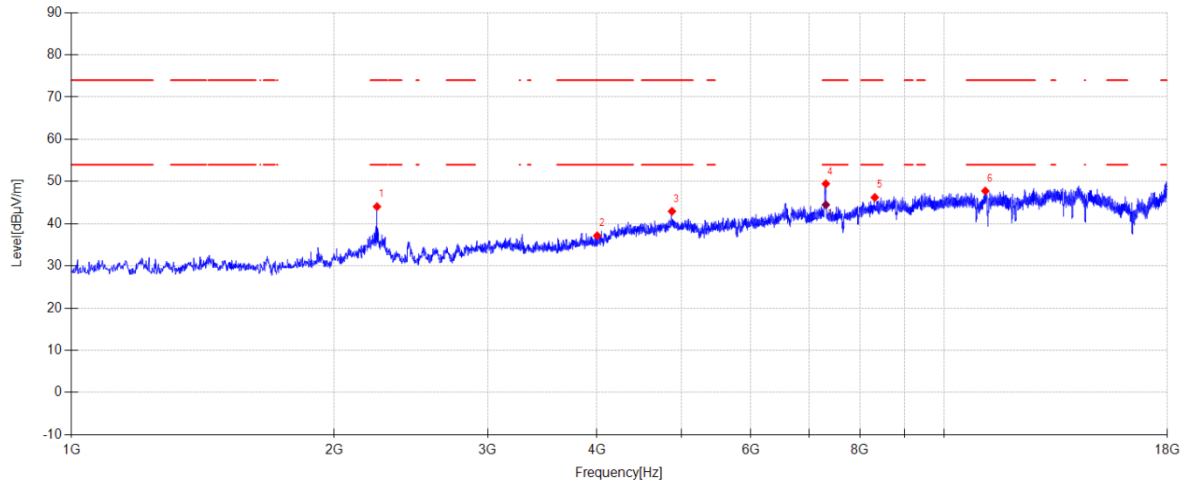
Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7308.700	52.75	37.65	-45.29	45.11	54.00	8.89	AV	Horizontal

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N20 2437MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\35
Memo: Sample Number:S26061901-001 Power Setting:50

**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	2239.300	63.51	28.10	-47.56	44.05	74.00	29.95	PK	Vertical
2	4002.200	52.84	31.60	-47.28	37.16	74.00	36.84	PK	Vertical
3	4874.300	53.60	33.45	-44.12	42.93	74.00	31.07	PK	Vertical
4	7313.800	57.12	37.62	-45.28	49.46	74.00	24.54	PK	Vertical
5	8321.900	52.65	38.00	-44.42	46.23	74.00	27.77	PK	Vertical
6	11138.800	49.78	39.78	-41.80	47.76	74.00	26.24	PK	Vertical

Final Data List

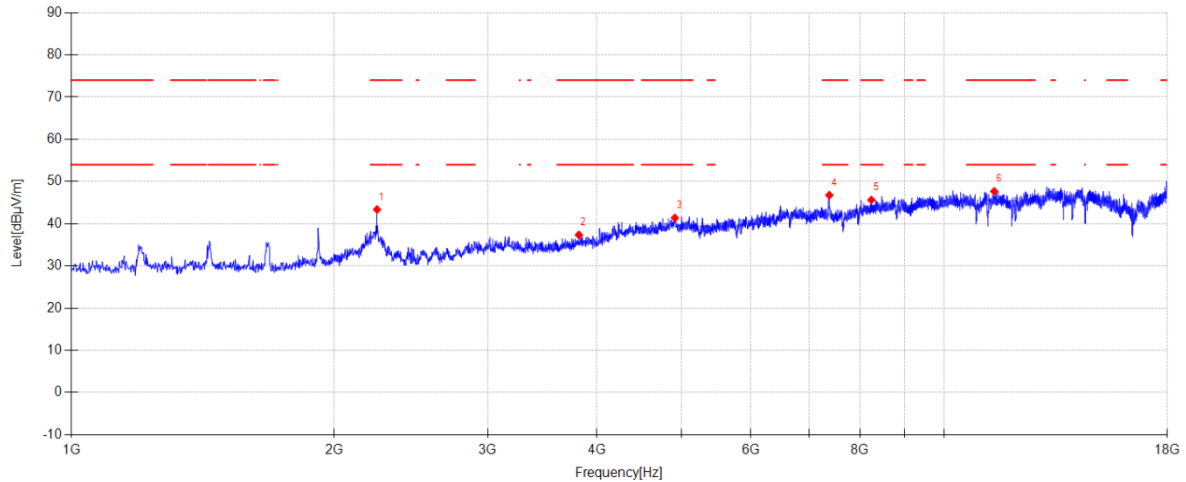
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7313.800	52.14	37.62	-45.28	44.48	54.00	9.52	AV	Vertical

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N20 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\36
Memo: Sample Number:S26061901-001 Power Setting:50

**Suspected Data List**

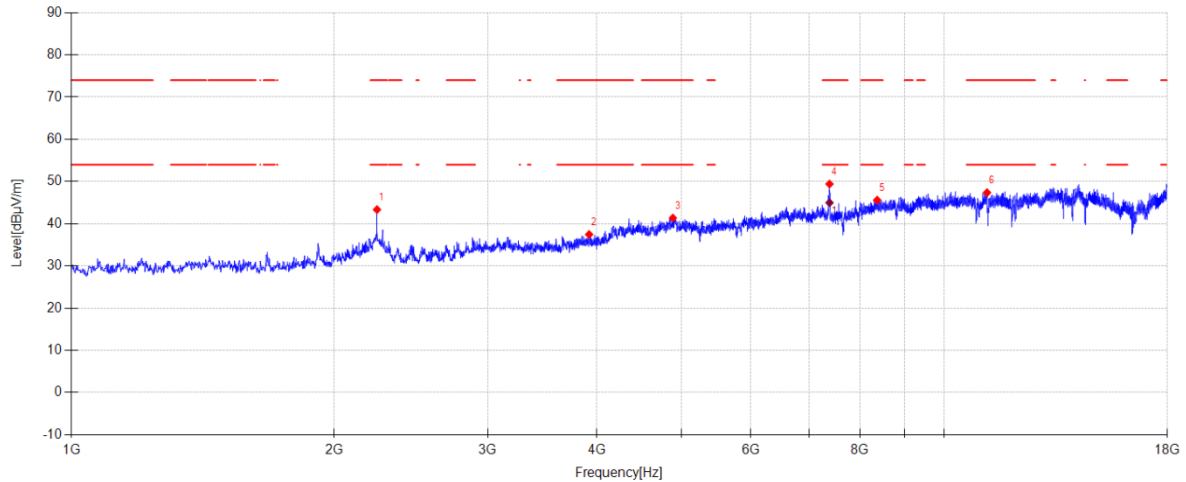
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2239.300	62.83	28.10	-47.56	43.37	74.00	30.63	PK	Horizontal
2	3813.500	53.55	31.28	-47.47	37.36	74.00	36.64	PK	Horizontal
3	4911.700	52.00	33.55	-44.18	41.37	74.00	32.63	PK	Horizontal
4	7381.800	54.62	37.27	-45.13	46.76	74.00	27.24	PK	Horizontal
5	8245.400	52.10	37.90	-44.38	45.62	74.00	28.38	PK	Horizontal
6	11402.300	49.17	40.00	-41.49	47.68	74.00	26.32	PK	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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N20 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\37
Memo: Sample Number:S26061901-001 Power Setting:50

**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	2239.300	62.80	28.10	-47.56	43.34	74.00	30.66	PK	Vertical
2	3917.200	53.28	31.63	-47.46	37.45	74.00	36.55	PK	Vertical
3	4886.200	51.98	33.47	-44.09	41.36	74.00	32.64	PK	Vertical
4	7385.200	57.26	37.26	-45.12	49.40	74.00	24.60	PK	Vertical
5	8374.600	51.97	38.05	-44.43	45.59	74.00	28.41	PK	Vertical
6	11188.100	49.10	39.88	-41.62	47.36	74.00	26.64	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	7385.200	52.84	37.26	-45.12	44.98	54.00	9.02	AV	Vertical

Note:

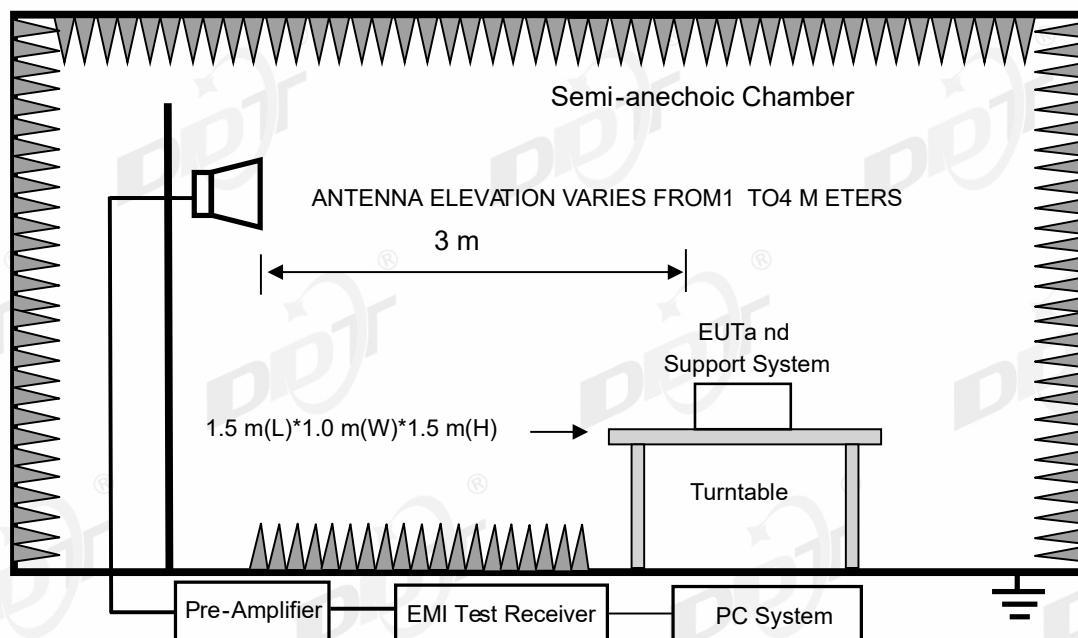
1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

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:

2026-07-17

Tested By:

Cao Jie

Test Mode:

TX 11N20 2412MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.6°C;Humi:56.3%

Test Site:

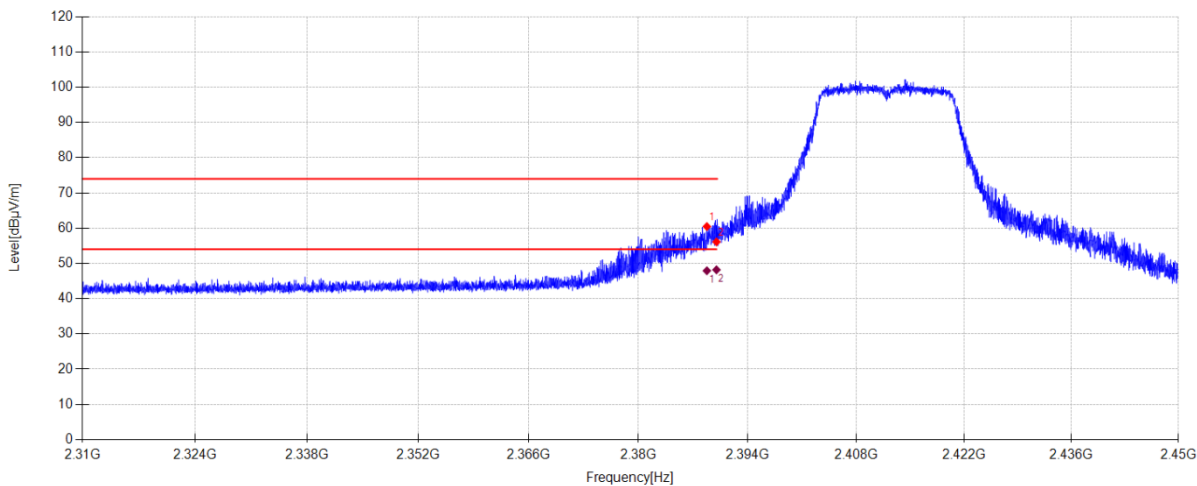
4# Fully Anechoic Room

File Path:

d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\16

Memo:

Sample Number:S26061901-001 Power Setting:48



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	2388.764	71.22	28.18	-48.94	60.46	74.00	13.54	PK	Horizontal
2	2390.000	66.87	28.18	-48.94	56.11	74.00	17.89	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	2388.764	58.67	28.18	-48.94	47.91	54.00	6.09	AV	Horizontal
2	2390.000	58.94	28.18	-48.94	48.18	54.00	5.82	AV	Horizontal

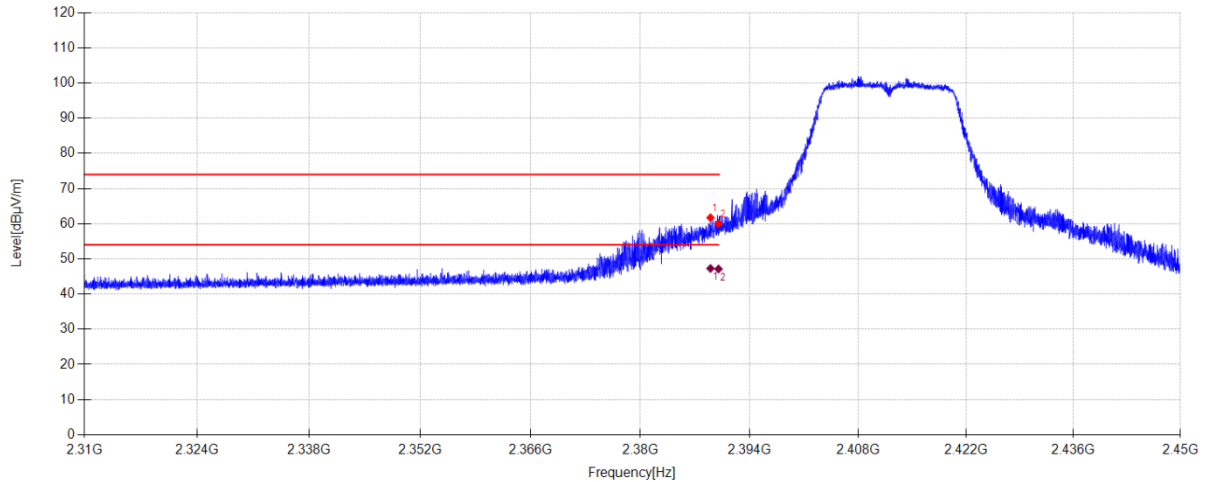
Note:

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N20 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\17
Memo: Sample Number:S26061901-001 Power Setting:48

**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	2388.974	72.48	28.18	-48.94	61.72	74.00	12.28	PK	Vertical
2	2390.000	70.74	28.18	-48.94	59.98	74.00	14.02	PK	Vertical

Final Data List

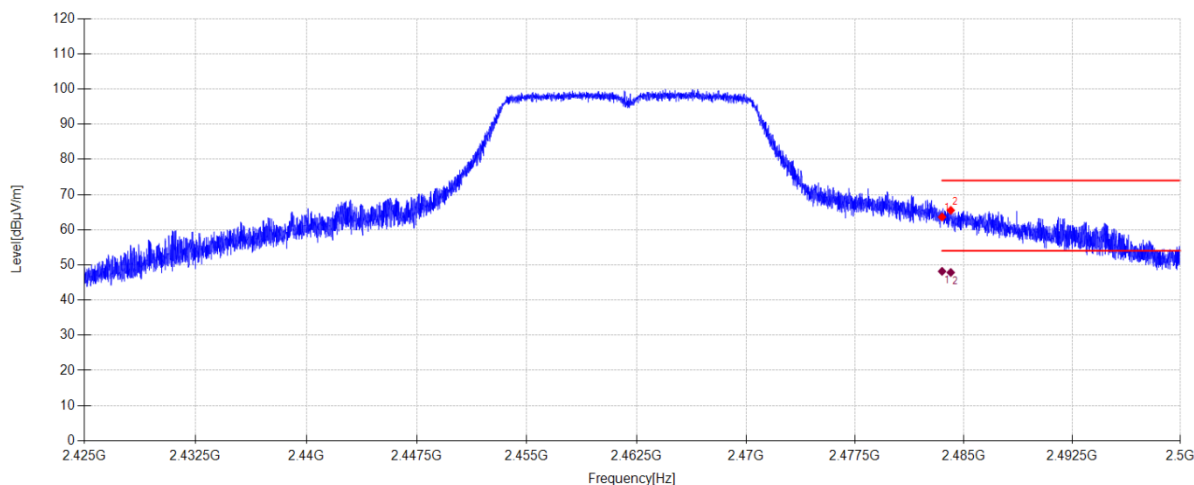
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2388.974	58.04	28.18	-48.94	47.28	54.00	6.72	AV	Vertical
2	2390.002	57.90	28.18	-48.94	47.14	54.00	6.86	AV	Vertical

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N20 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\18
Memo: Sample Number:S26061901-001 Power Setting:48



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	74.00	28.60	-48.98	63.62	74.00	10.38	PK	Horizontal
2	2484.100	75.89	28.60	-48.98	65.51	74.00	8.49	PK	Horizontal

Final Data List

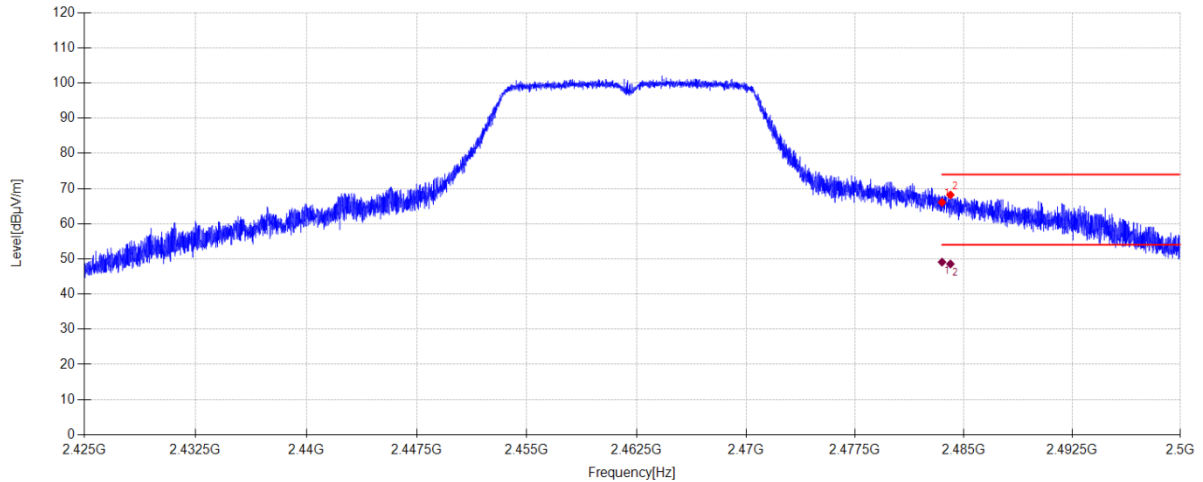
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	58.54	28.60	-48.98	48.16	54.00	5.84	AV	Horizontal
2	2484.100	58.23	28.60	-48.98	47.85	54.00	6.15	AV	Horizontal

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N20 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\19
Memo: Sample Number:S26061901-001 Power Setting:48

**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	76.45	28.60	-48.98	66.07	74.00	7.93	PK	Vertical
2	2484.078	78.57	28.60	-48.98	68.19	74.00	5.81	PK	Vertical

Final Data List

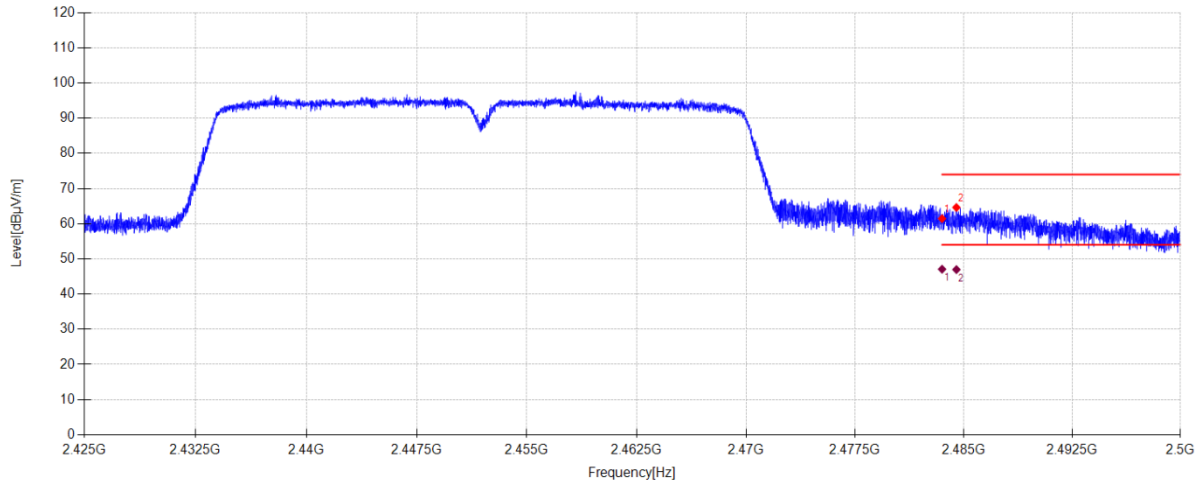
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.498	59.47	28.60	-48.98	49.09	54.00	4.91	AV	Vertical
2	2484.078	58.94	28.60	-48.98	48.56	54.00	5.44	AV	Vertical

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N40 2452MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\20
Memo: Sample Number:S26061901-001 Power Setting:45

**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	71.82	28.60	-48.98	61.44	74.00	12.56	PK	Horizontal
2	2484.490	74.99	28.61	-48.98	64.62	74.00	9.38	PK	Horizontal

Final Data List

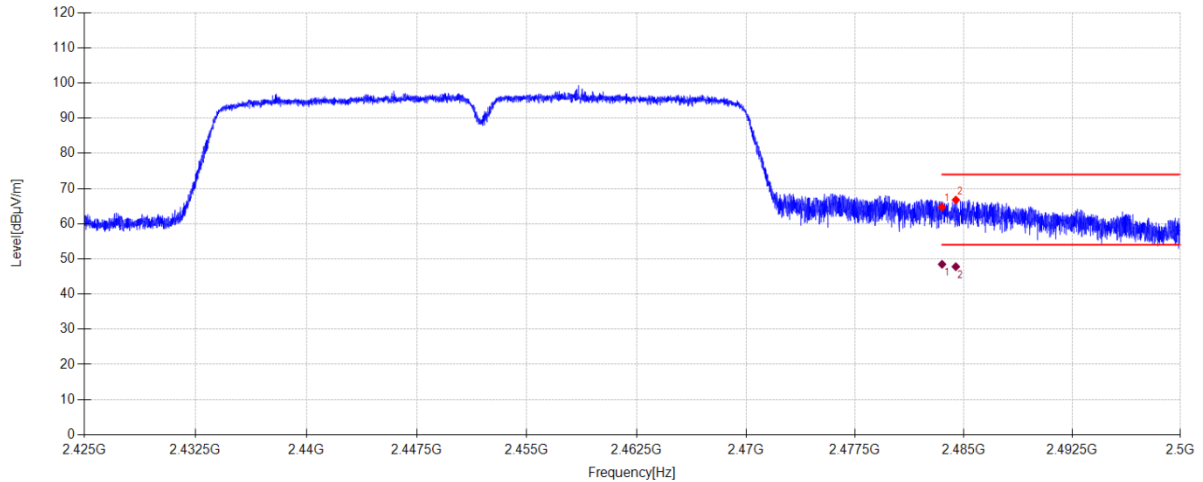
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	57.46	28.60	-48.98	47.08	54.00	6.92	AV	Horizontal
2	2484.490	57.34	28.61	-48.98	46.97	54.00	7.03	AV	Horizontal

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N40 2452MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\21
Memo: Sample Number:S26061901-001 Power Setting:45

**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	75.12	28.60	-48.98	64.74	74.00	9.26	PK	Vertical
2	2484.453	77.12	28.61	-48.98	66.75	74.00	7.25	PK	Vertical

Final Data List

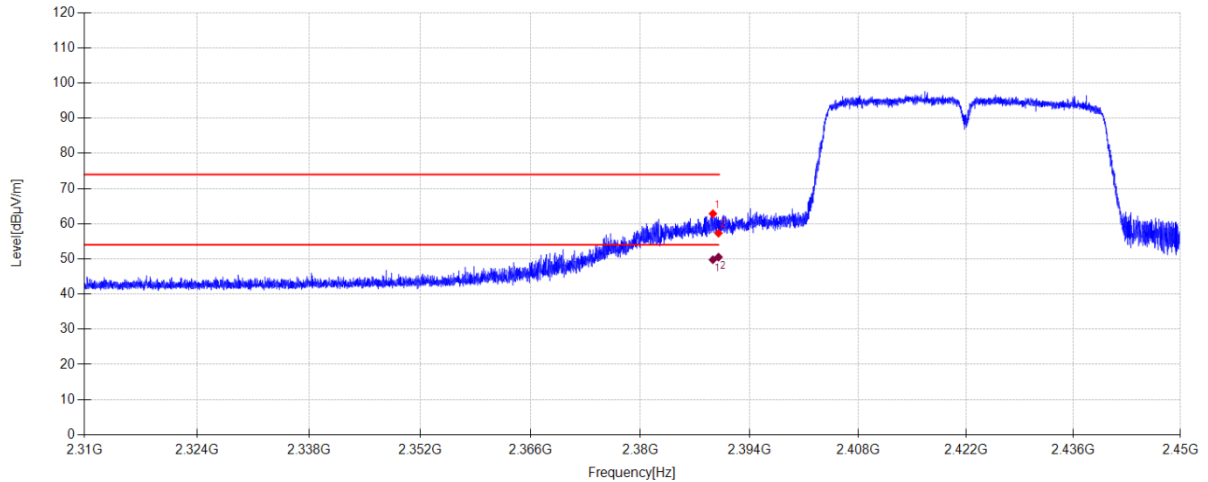
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.498	58.85	28.60	-48.98	48.47	54.00	5.53	AV	Vertical
2	2484.448	58.15	28.61	-48.98	47.78	54.00	6.22	AV	Vertical

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N40 2422MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\22
Memo: Sample Number:S26061901-001 Power Setting:45



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	2389.282	73.60	28.18	-48.94	62.84	74.00	11.16	PK	Horizontal
2	2390.000	68.07	28.18	-48.94	57.31	74.00	16.69	PK	Horizontal

Final Data List

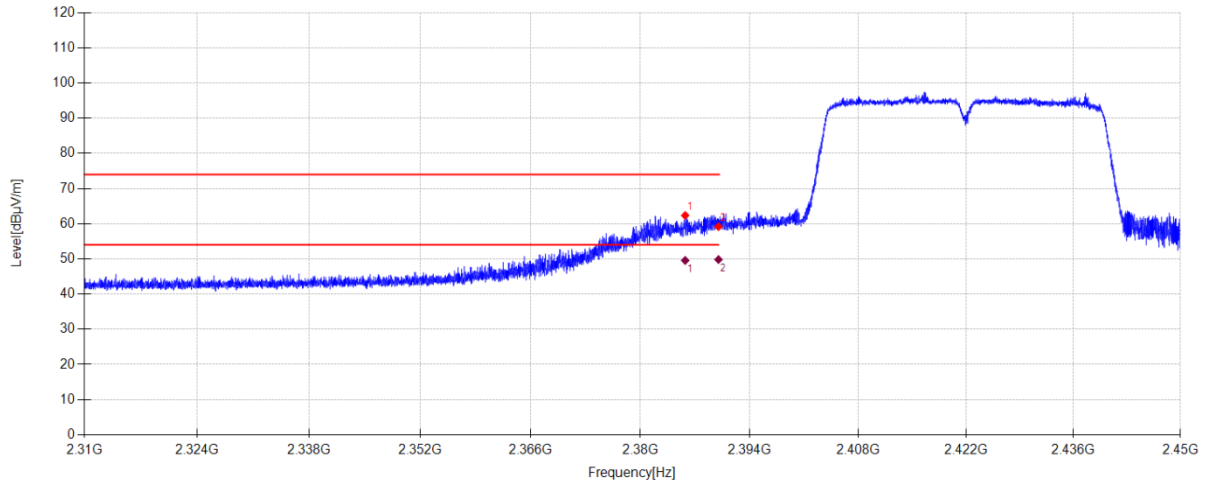
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.279	60.53	28.18	-48.94	49.77	54.00	4.23	AV	Horizontal
2	2390.000	61.26	28.18	-48.94	50.50	54.00	3.50	AV	Horizontal

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11N40 2422MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\23
Memo: Sample Number:S26061901-001 Power Setting:45

**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	2385.726	73.13	28.17	-48.95	62.35	74.00	11.65	PK	Vertical
2	2390.000	69.92	28.18	-48.94	59.16	74.00	14.84	PK	Vertical

Final Data List

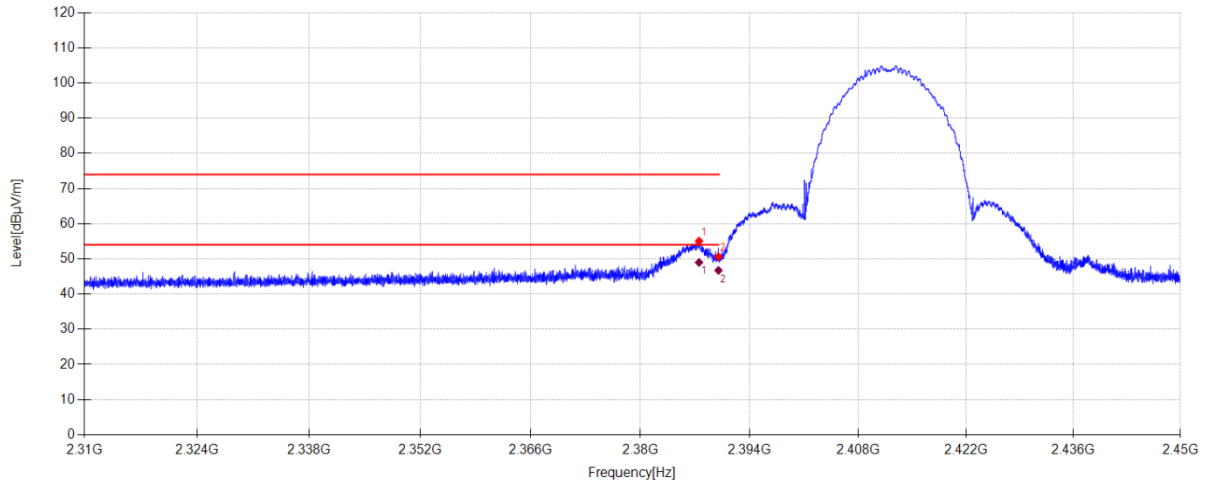
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2385.726	60.34	28.17	-48.95	49.56	54.00	4.44	AV	Vertical
2	2390.000	60.57	28.18	-48.94	49.81	54.00	4.19	AV	Vertical

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11B 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\24
Memo: Sample Number:S26061901-001 Power Setting:50

**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	2387.504	65.86	28.18	-48.95	55.09	74.00	18.91	PK	Horizontal
2	2390.000	61.36	28.18	-48.94	50.60	74.00	23.40	PK	Horizontal

Final Data List

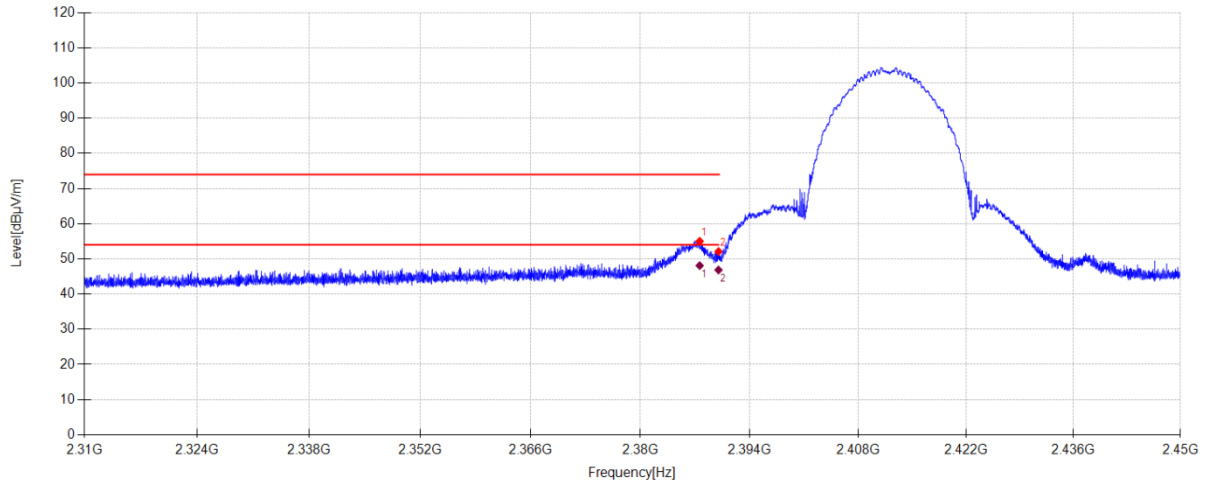
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2387.504	59.76	28.18	-48.95	48.99	54.00	5.01	AV	Horizontal
2	2390.000	57.49	28.18	-48.94	46.73	54.00	7.27	AV	Horizontal

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11B 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\25
Memo: Sample Number:S26061901-001 Power Setting:50

**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	2387.588	65.79	28.18	-48.95	55.02	74.00	18.98	PK	Vertical
2	2390.000	62.85	28.18	-48.94	52.09	74.00	21.91	PK	Vertical

Final Data List

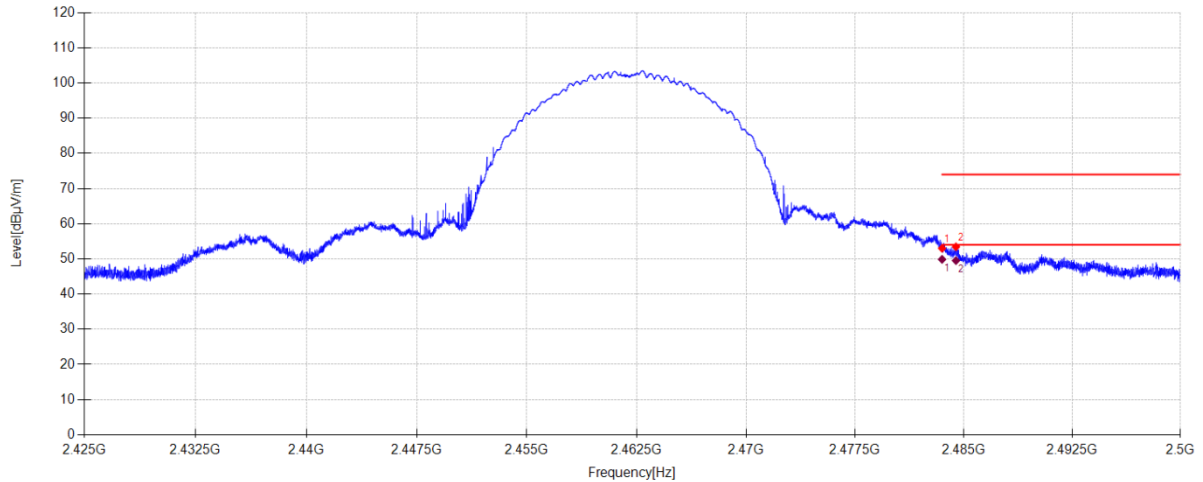
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2387.588	58.86	28.18	-48.95	48.09	54.00	5.91	AV	Vertical
2	2390.000	57.61	28.18	-48.94	46.85	54.00	7.15	AV	Vertical

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11B 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\26
Memo: Sample Number:S26061901-001 Power Setting:50

**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	63.38	28.60	-48.98	53.00	74.00	21.00	PK	Horizontal
2	2484.460	63.80	28.61	-48.98	53.43	74.00	20.57	PK	Horizontal

Final Data List

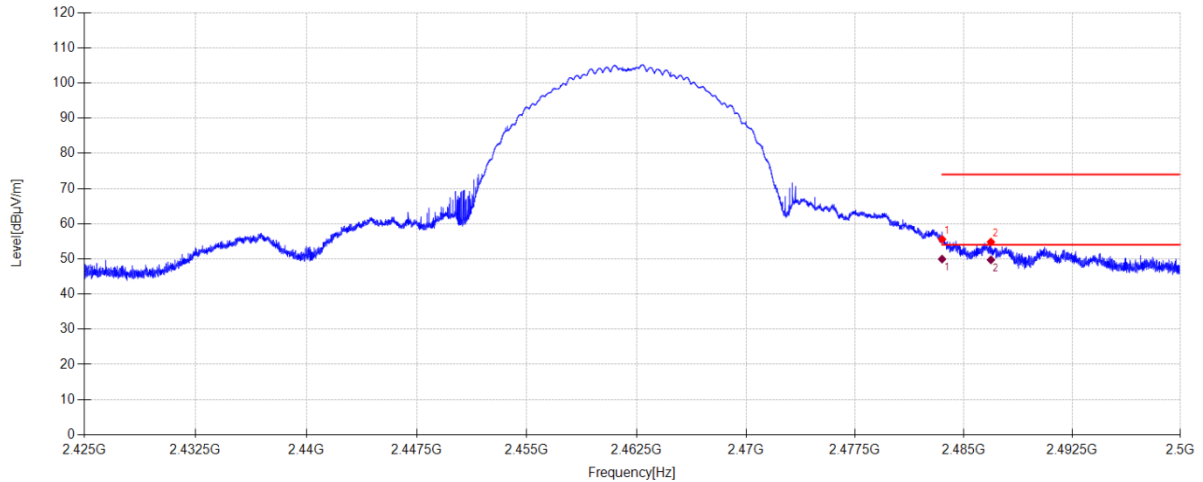
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	60.24	28.60	-48.98	49.86	54.00	4.14	AV	Horizontal
2	2484.460	59.89	28.61	-48.98	49.52	54.00	4.48	AV	Horizontal

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11B 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\27
Memo: Sample Number:S26061901-001 Power Setting:50

**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	65.95	28.60	-48.98	55.57	74.00	18.43	PK	Vertical
2	2486.875	65.16	28.62	-48.98	54.80	74.00	19.20	PK	Vertical

Final Data List

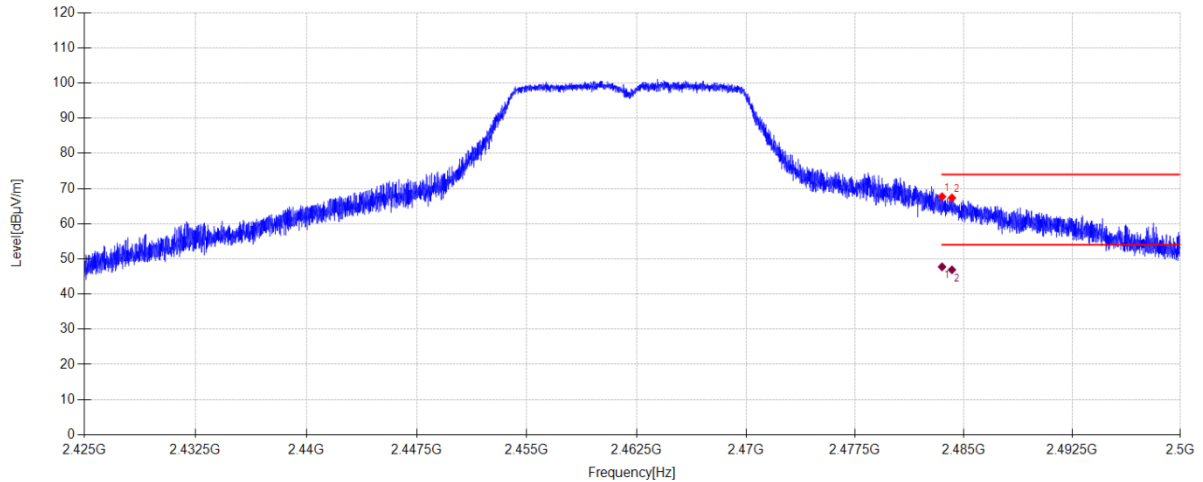
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	60.32	28.60	-48.98	49.94	54.00	4.06	AV	Vertical
2	2486.875	60.08	28.62	-48.98	49.72	54.00	4.28	AV	Vertical

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11G 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\28
Memo: Sample Number:S26061901-001 Power Setting:50

**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	78.07	28.60	-48.98	67.69	74.00	6.31	PK	Horizontal
2	2484.183	77.72	28.61	-48.98	67.35	74.00	6.65	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	2483.499	58.12	28.60	-48.98	47.74	54.00	6.26	AV	Horizontal
2	2484.183	57.27	28.61	-48.98	46.90	54.00	7.10	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:

2026-07-17

Tested By:

Cao Jie

Test Mode:

TX 11G 2462MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:23.6°C;Humi:56.3%

Test Site:

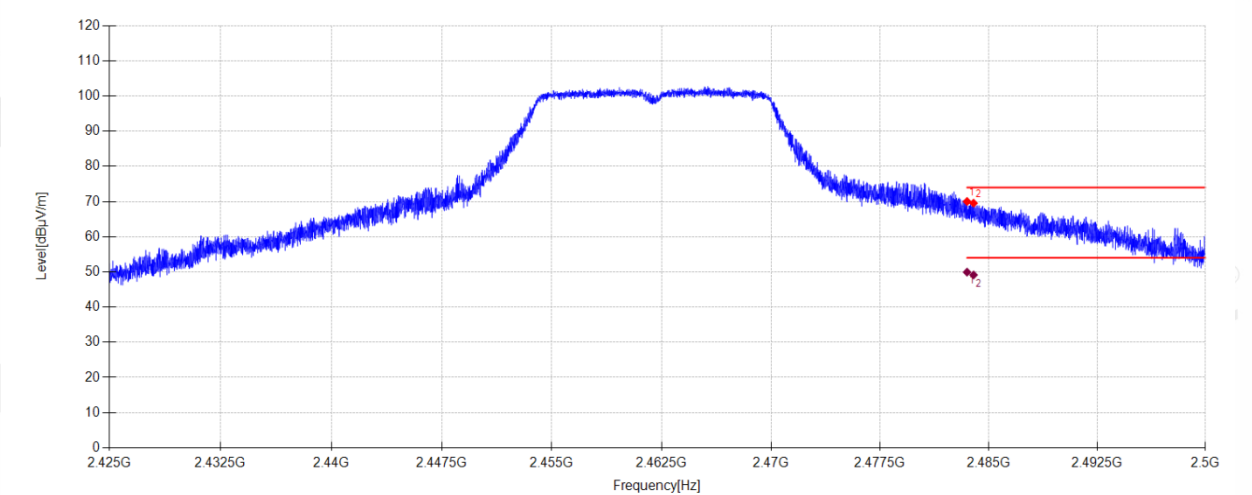
4# Fully Anechoic Room

File Path:

d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\29

Memo:

Sample Number:S26061901-001 Power Setting:50



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	80.40	28.60	-48.98	70.02	74.00	3.98	PK	Vertical
2	2483.950	79.92	28.60	-48.98	69.54	74.00	4.46	PK	Vertical

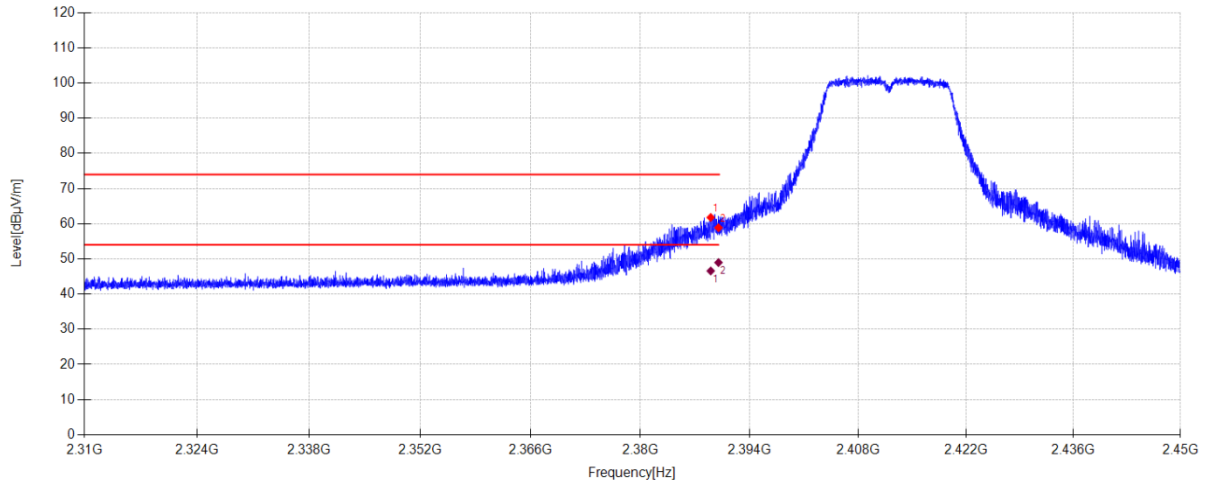
Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.498	60.31	28.60	-48.98	49.93	54.00	4.07	AV	Vertical
2	2483.950	59.51	28.60	-48.98	49.13	54.00	4.87	AV	Vertical

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11G 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\30
Memo: Sample Number:S26061901-001 Power Setting:50

**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	2389.002	72.55	28.18	-48.94	61.79	74.00	12.21	PK	Horizontal
2	2390.000	69.63	28.18	-48.94	58.87	74.00	15.13	PK	Horizontal

Final Data List

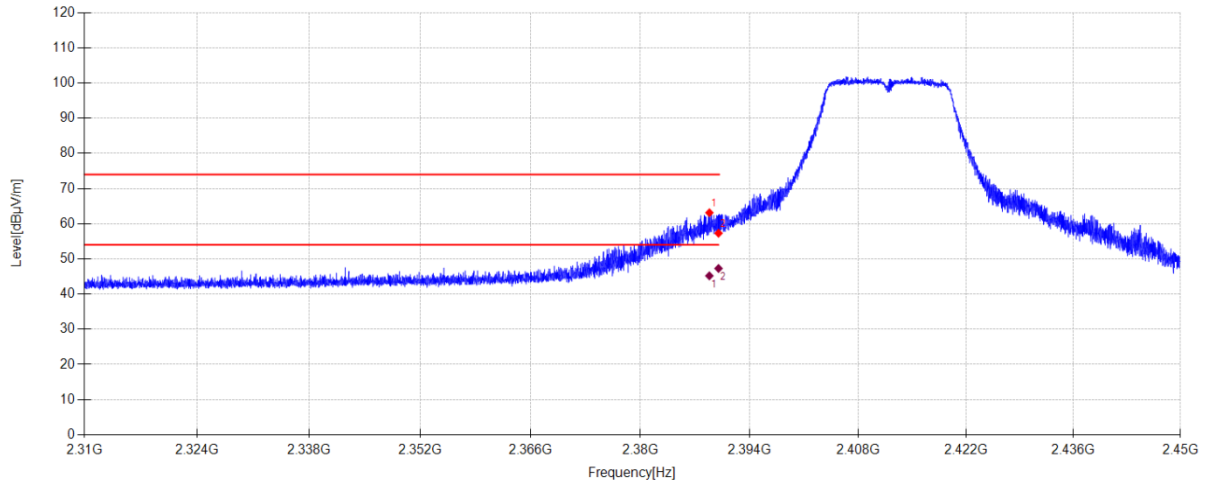
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2389.002	57.34	28.18	-48.94	46.58	54.00	7.42	AV	Horizontal
2	2390.000	59.72	28.18	-48.94	48.96	54.00	5.04	AV	Horizontal

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: 2026-07-17 **Tested By:** Cao Jie
Test Mode: TX 11G 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:23.6°C;Humi:56.3% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26061901-2E\FCC ABOVE 1G 2.4G\31
Memo: Sample Number:S26061901-001 Power Setting:50

**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	2388.834	73.89	28.18	-48.94	63.13	74.00	10.87	PK	Vertical
2	2390.000	68.06	28.18	-48.94	57.30	74.00	16.70	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	2388.832	55.95	28.18	-48.94	45.19	54.00	8.81	AV	Vertical
2	2390.002	58.04	28.18	-48.94	47.28	51.97	4.69	AV	Vertical

Note:

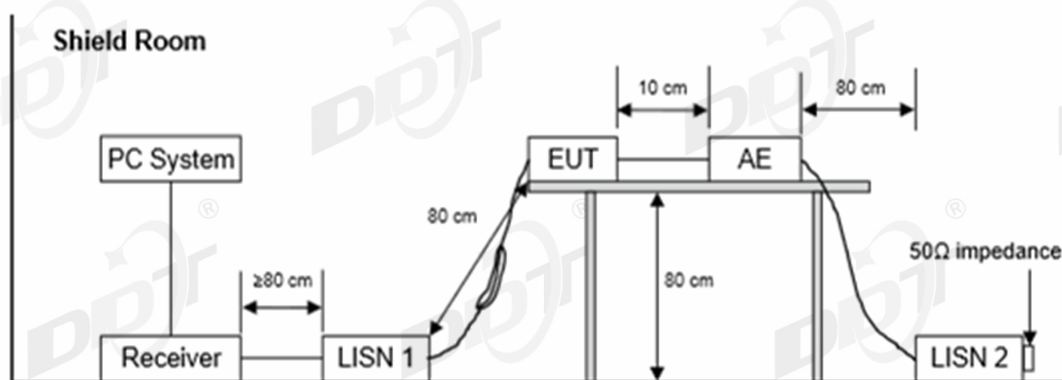
1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

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

Test Date

: 2026-07-09

Power Supply

: AC 120V/60Hz

Condition

: TEMP:23.1°C, RH:60.4%

Memo

: S26061901-013

D:\2026 CE Report Data\Q26061901-2E\0709 CE.EM6

Tested By

: Li Xiongbín

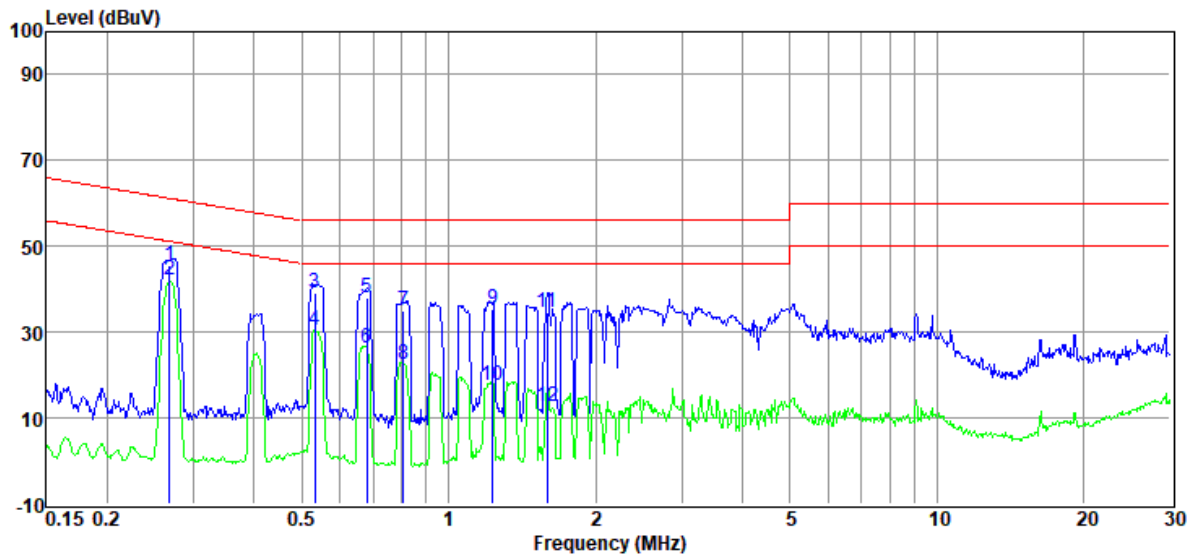
Test Mode

: 11N20 2412MHz TX Mode

LISN

: 2025 1# 216/LINE

Data: 10



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)		
1	0.27	25.81	9.77	0.06	9.89	45.53	61.16	15.63	QP	LINE
2	0.27	22.37	9.77	0.06	9.89	42.09	51.16	9.07	Average	LINE
3	0.53	19.47	9.83	0.10	9.89	39.29	56.00	16.71	QP	LINE
4	0.53	10.45	9.83	0.10	9.89	30.27	46.00	15.73	Average	LINE
5	0.68	17.89	9.95	0.12	9.89	37.85	56.00	18.15	QP	LINE
6	0.68	6.42	9.95	0.12	9.89	26.38	46.00	19.62	Average	LINE
7	0.81	15.04	9.73	0.13	9.90	34.80	56.00	21.20	QP	LINE
8	0.81	2.87	9.73	0.13	9.90	22.63	46.00	23.37	Average	LINE
9	1.23	15.22	9.92	0.16	9.90	35.20	56.00	20.80	QP	LINE
10	1.23	-2.50	9.92	0.16	9.90	17.48	46.00	28.52	Average	LINE
11	1.59	14.72	9.85	0.16	9.89	34.62	56.00	21.38	QP	LINE
12	1.59	-7.38	9.85	0.16	9.89	12.52	46.00	33.48	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 Report Data\Q26061901-2E\0709 CE.EM6

Test Date : 2026-07-09

Tested By : Li Xiongbín

Power Supply : AC 120V/60Hz

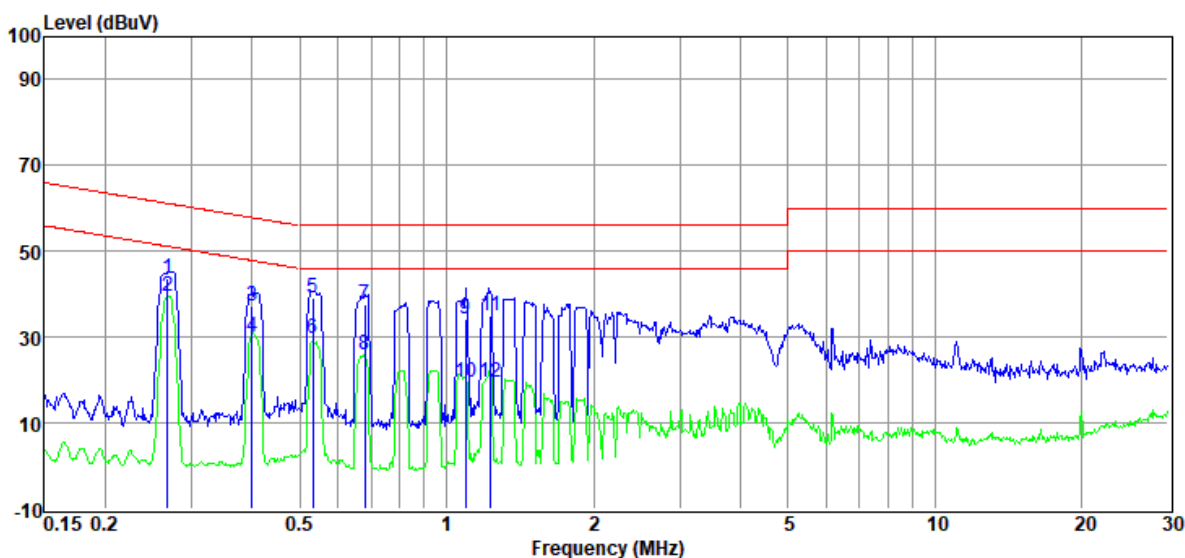
Test Mode : 11N20 2412MHz TX Mode

Condition : TEMP:23.1°C, RH:60.4%

LISN : 2025 1# 216/NEUTRAL

Memo : S26061901-013

Data: 12



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Margin (dB)	Detector	Phase
1	0.27	23.96	9.76	0.06	9.89	43.67	61.16	17.49	QP	NEUTRAL
2	0.27	19.84	9.76	0.06	9.89	39.55	51.16	11.61	Average	NEUTRAL
3	0.40	17.34	9.80	0.08	9.89	37.11	57.86	20.75	QP	NEUTRAL
4	0.40	10.46	9.80	0.08	9.89	30.23	47.86	17.63	Average	NEUTRAL
5	0.53	19.11	9.90	0.10	9.89	39.00	56.00	17.00	QP	NEUTRAL
6	0.53	9.75	9.90	0.10	9.89	29.64	46.00	16.36	Average	NEUTRAL
7	0.68	17.78	9.92	0.12	9.89	37.71	56.00	18.29	QP	NEUTRAL
8	0.68	6.13	9.92	0.12	9.89	26.06	46.00	19.94	Average	NEUTRAL
9	1.09	14.40	9.92	0.15	9.90	34.37	56.00	21.63	QP	NEUTRAL
10	1.09	-0.35	9.92	0.15	9.90	19.62	46.00	26.38	Average	NEUTRAL
11	1.23	15.03	9.89	0.16	9.90	34.98	56.00	21.02	QP	NEUTRAL
12	1.23	-0.45	9.89	0.16	9.90	19.50	46.00	26.50	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-Q26061901-1E appendix I

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