FCC AND ISED CERTIFICATION TEST REPORT

Applicant	:	Globe Electric Company Inc.
Address of Applicant	:	150 Oneida, Montreal, Quebec, Canada, H9R 1A8
Manufacturer	:	Globe Electric Company Inc.
Address of Manufacturer	:	150 Oneida, Montreal, Quebec, Canada, H9R 1A8
Equipment under Test	:	Ceiling fan
Model No.	:	37000062, GE37062, 37000063, GE37063, 37000062*, 37000063*, 27109-U*, 37000055
FCC ID	:	2AQUQGE370623
IC	:	8290A-GE370623
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, RSS-247 Issue 3 August 2023, ANSI C63.10:2013, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)
Report No.	:	DDT-RE24121106-2E02
Issue Date	:	2024/12/27
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

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Address of Applicant	:	150 Oneida, Montreal, Quebec, Canada, H9R 1A8
Equipment under Test	:	Ceiling fan
Model No.	:	37000062, GE37062, 37000063, GE37063, 37000062*, 37000063*, 27109-U*, 37000055
Manufacturer	:	Globe Electric Company Inc.
Address of Manufacturer	:	150 Oneida, Montreal, Quebec, Canada, H9R 1A8

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C,
RSS-247 Issue 3 August 2023,
ANSI C63.10:2013,
RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)

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-RE24121106-2E02		
Date of Receipt:	2024/04/11 2024/12/11	**Date of Test:**	2024/04/11~2024/06/04 2024/12/11~2024/12/27

Prepared By:

Tiger Mo

Tiger Mo /Engineer

Approved By:

Damon Hu

Certificate and Report Seal
检验检测专用章

Damon Hu/EMC Manager

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

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	2024/12/27	

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6 dB Bandwidth and 99% Bandwidth	FCC Part 15: 15.247(a)(2), RSS-247 Issue 3 clause 5.2(a), RSS-Gen Issue 5 clause 6.7	/	Pass
2	Peak Output Power	FCC Part 15: 15.247(b)(3), RSS-247 Issue 3 clause 5.4(d)	/	Pass
3	Power Spectral Density	FCC Part 15:15.247(e), RSS-247 Issue 3 clause 5.2(b)	/	Pass
4	RF Conducted Spurious Emissions	FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5	/	Pass
5	Radiated Emission	FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5, RSS-Gen Issue 5 clause 8.9, RSS-Gen Issue 5 clause 8.10	/	Pass
6	Band Edge Compliance	FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5, RSS-Gen Issue 5 clause 8.9, RSS-Gen Issue 5 clause 8.10	/	Pass
7	Power Line Conducted Emissions	FCC Part 15: 15.207(a), RSS-Gen Issue 5 clause 8.8	/	Pass
8	Antenna Requirement	FCC Part 15: 15.203, RSS-Gen Issue 5 clause 6.8	/	Pass

Note1: 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.

Note 2: This report add Model Number 37000062*, 37000063*, 27109-U*, 37000055 based on the original DDT-RE24041013-2E01. The 37000062*, 37000063*, 27109-U*, 37000055 Remove the 304M receiver chip, The affect items BELOW 1G Radiated Emission have been tested, The original data and records refer to DDT-RE24041013-2E01.

2. General Test Information

2.1. Description of EUT

EUT Name	:	Ceiling fan
Model Number	:	37000062, GE37062, 37000063, GE37063, 37000062*, 37000063*, 27109-U*, 37000055
Difference of model number	:	All the models are electrical identical including the same hardware design (i.e., circuit design, PCB Layout, RF module/circuit, antenna type(s) and antenna location, components on PCB, etc.,), only the Model Number, appearance, speed, structure are different for all the models, 37000062, GE37062, 37000063, GE37063 have 304M receiving chip, 37000062*, 37000063*, 27109-U*, 37000055 Remove the 304M receiver chip, therefore the test performed on the model 37000063.
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	120V/60Hz

Note: This EUT support Bluetooth LE, 2.4 GHz WLAN, this report only for 2.4 GHz WLAN.

Radio Technology	:	IEEE 802.11b/g/n
Operation frequency	:	IEEE 802.11b: 2412MHz-2462MHz IEEE 802.11g: 2412MHz-2462MHz IEEE 802.11n HT20: 2412MHz-2462MHz IEEE 802.11n HT40: 2422MHz-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)

Antenna information		
Antenna Type	PCB	
Max Antenna Gain(dBi)	/	Ant1 gain
	IEEE 802.11b	2.21
	IEEE 802.11g	2.21
	IEEE 802.11n HT20	2.21
	IEEE 802.11n HT40	2.21

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.

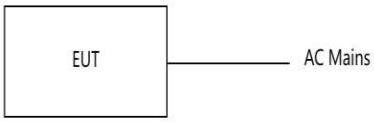
"☒" means to be chosen or applicable; "□" means don't to be chosen or not applicable; This note applies to entire report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
/	/	/	/

2.3. Block diagram of EUT configuration for test

Configuration diagram



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:
Test software: wifi Test Tool v1.6.0 release.ex
The test software was used to control EUT work in Continuous Tx mode and select test channel, wireless mode as below table.
The pathloss of external cable: 0.5dB (According to the manufacturer's claims)

Tested mode, channel, and data rate information				
Mode	Setting Tx Power	Data rate (Mbps) (see Note)	Channel	Frequency (MHz)
	ANT1			
IEEE 802.11b	22	1	LCH: CH1	2412
	22	1	MCH: CH6	2437
	22	1	HCH: CH11	2462
IEEE 802.11g	40	6	LCH: CH1	2412
	40	6	MCH: CH6	2437
	40	6	HCH: CH11	2462
IEEE 802.11n HT20	40	MCS 0	LCH: CH1	2412
	40	MCS 0	MCH: CH6	2437
	40	MCS 0	HCH: CH11	2462
IEEE 802.11n HT40	40	MCS 0	LCH: CH3	2422
	40	MCS 0	MCH: CH6	2437
	40	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℃ to +35 ℃
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-20155, G-20118

2.8. Measurement uncertainty

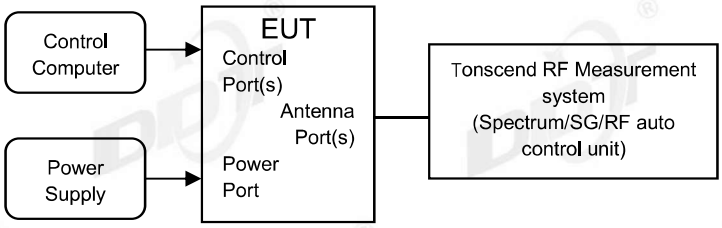
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Frequencies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

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date
☒RF Connected Test (RF Measurement System 3#)				
SIGNAL ANALYZER	R&S	FSV40	101407	2024/07/11
Wideband Radio Communication Tester	R&S	CMW500	117491	2025/03/31
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY62153058	2024/07/11
MXG Vector Signal Generator	Agilent	N5182A	MY48180912	2025/03/31
RF Control Unit	Tonscend	JS0806-2	20C8060230	2025/03/31
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2024/05/14
Test Software	Tonscend	JS1120-3	Ver.3.2.22	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 C63.10-2013 clause 11.8.
(2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
(3) Set the EUT as maximum power setting and enable the EUT transmit continuously
(4) Use the following spectrum analyzer settings for 6 dB Bandwidth:

RBW:	100 kHz
VBW:	≥ [3 × 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

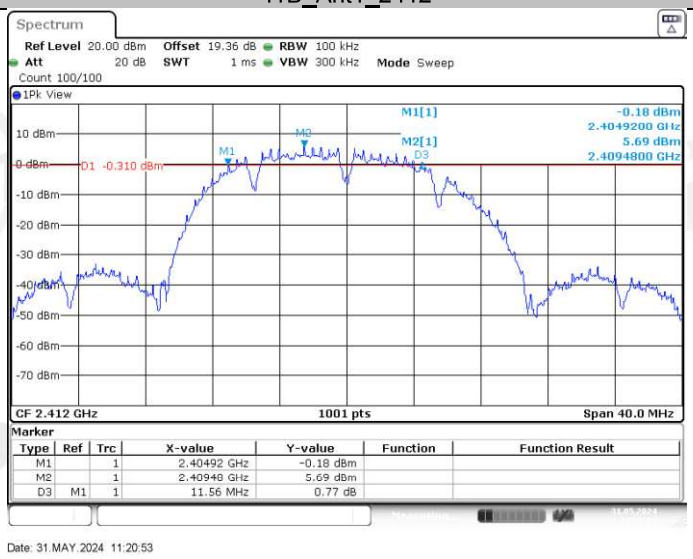
4.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 3#
Ambient Condition:	24.4℃,45.2%RH	Test Date:	2024.05.31-2024.05.31
Test Power Supply:	DC 3.3V	Sample Number:	S24041013-001

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	11.56	2404.92	2416.48	0.5	PASS
		2437	11.08	2429.92	2441.00	0.5	PASS
		2462	11.56	2454.92	2466.48	0.5	PASS
11G	Ant1	2412	17.32	2403.40	2420.72	0.5	PASS
		2437	17.28	2428.28	2445.56	0.5	PASS
		2462	16.60	2453.56	2470.16	0.5	PASS
11N20SISO	Ant1	2412	18.24	2402.80	2421.04	0.5	PASS
		2437	15.20	2429.32	2444.52	0.5	PASS
		2462	14.12	2456.92	2471.04	0.5	PASS
11N40SISO	Ant1	2422	35.36	2404.40	2439.76	0.5	PASS
		2437	35.36	2419.40	2454.76	0.5	PASS
		2452	35.36	2434.40	2469.76	0.5	PASS

4.5. Test graphs

11B_Ant1_2412



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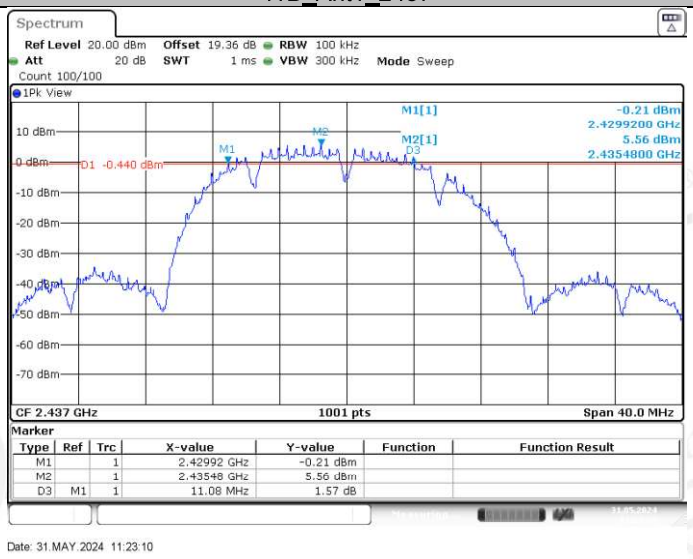

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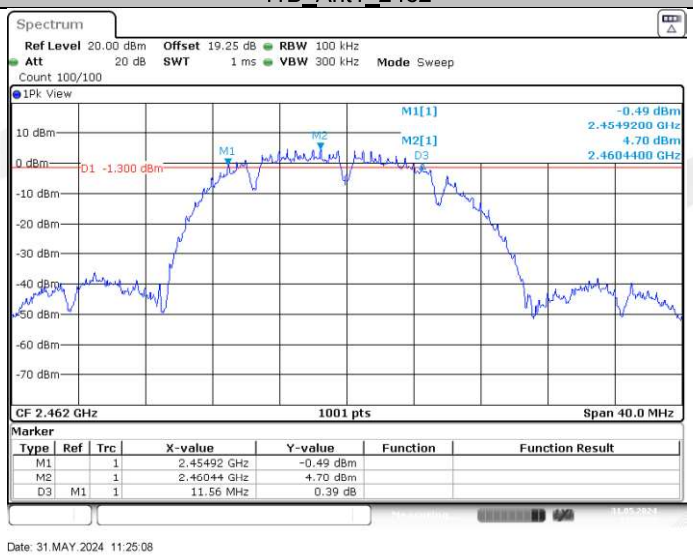

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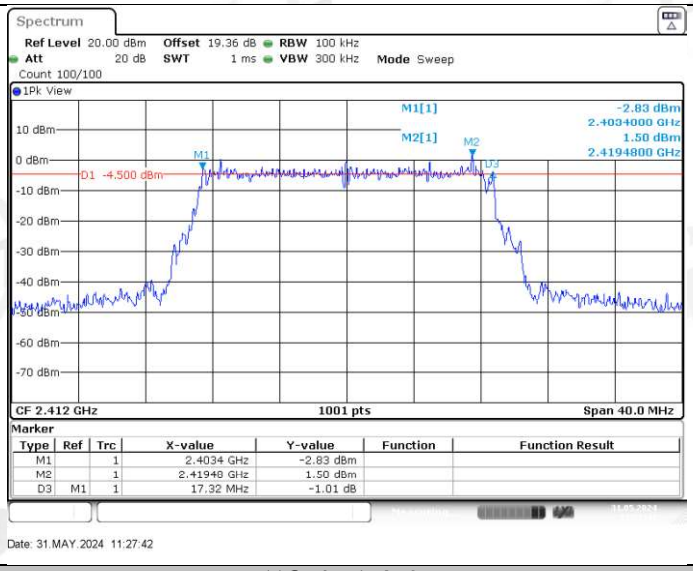

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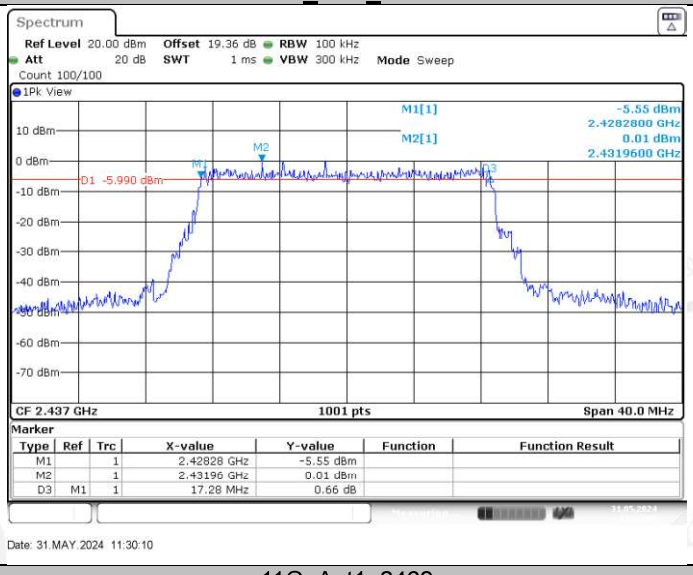

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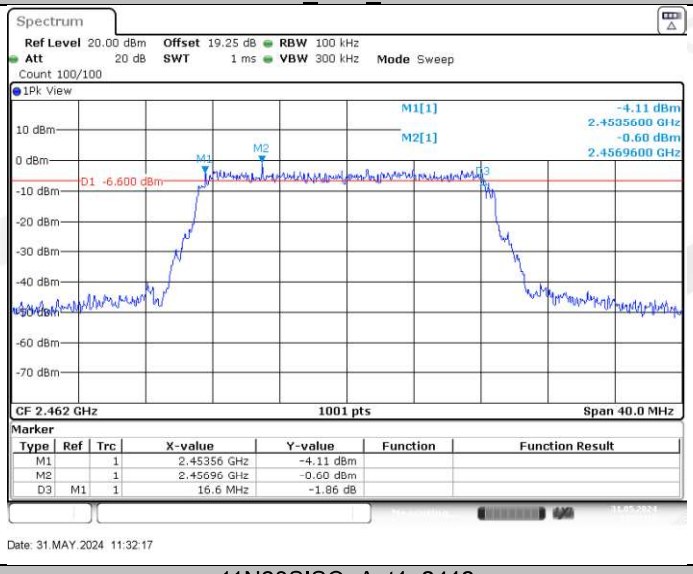

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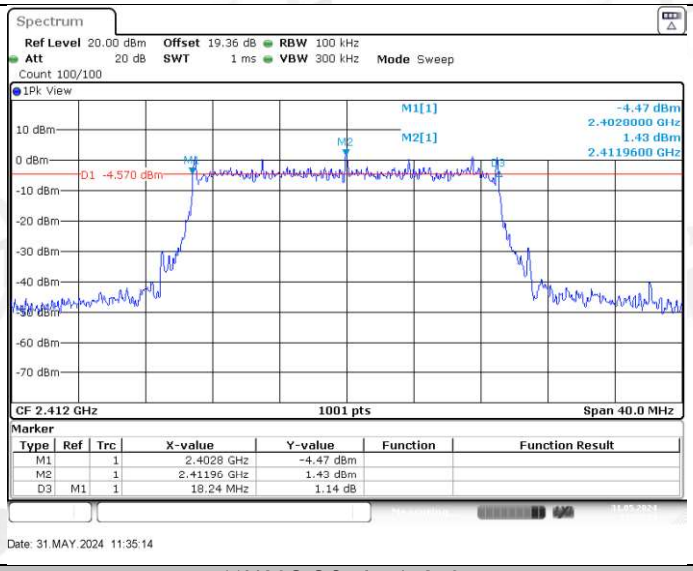

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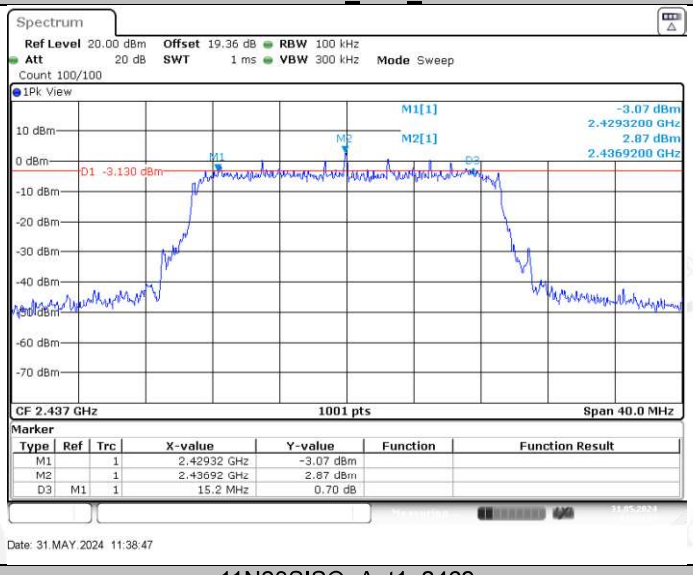

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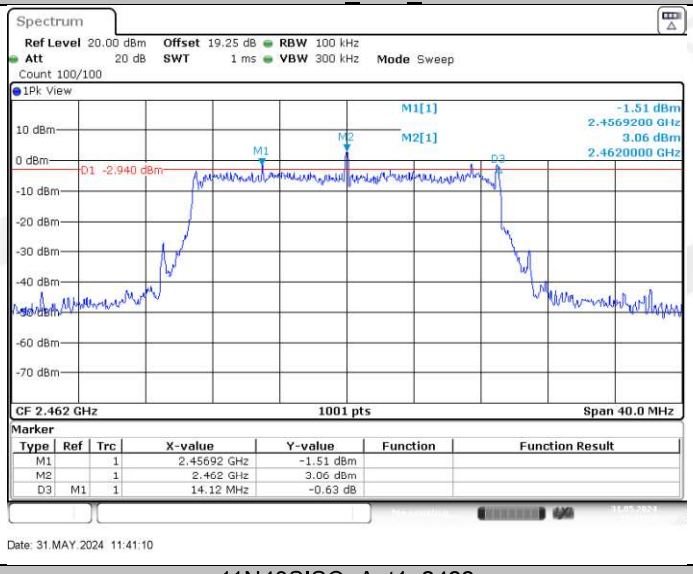

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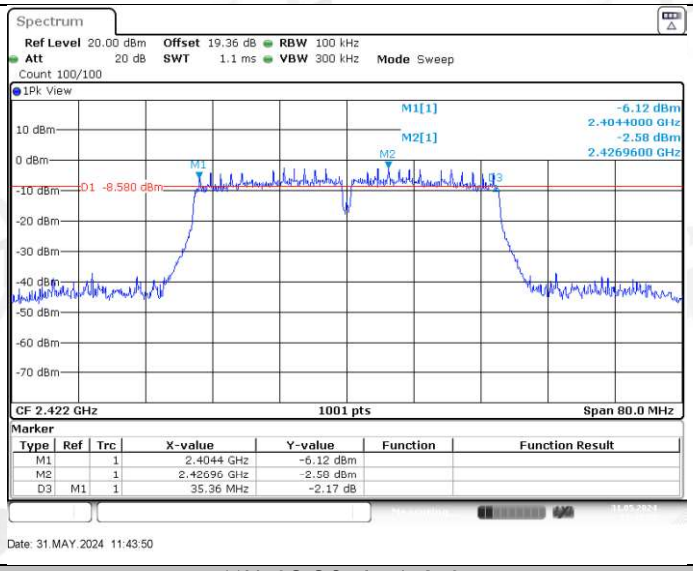

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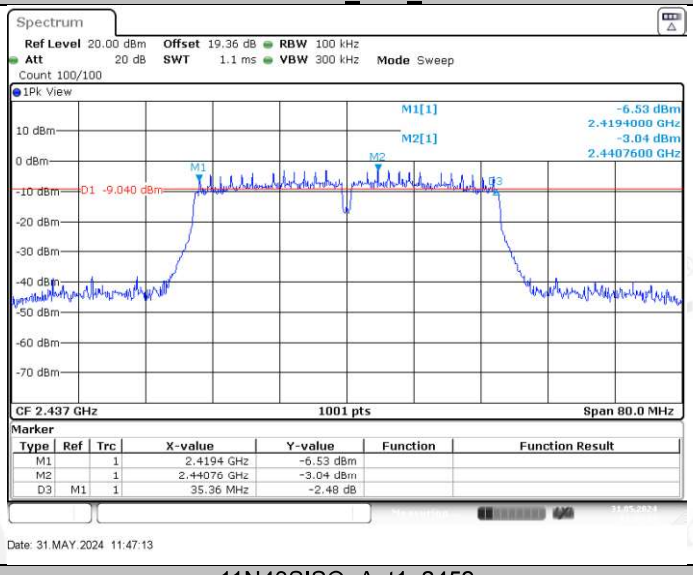

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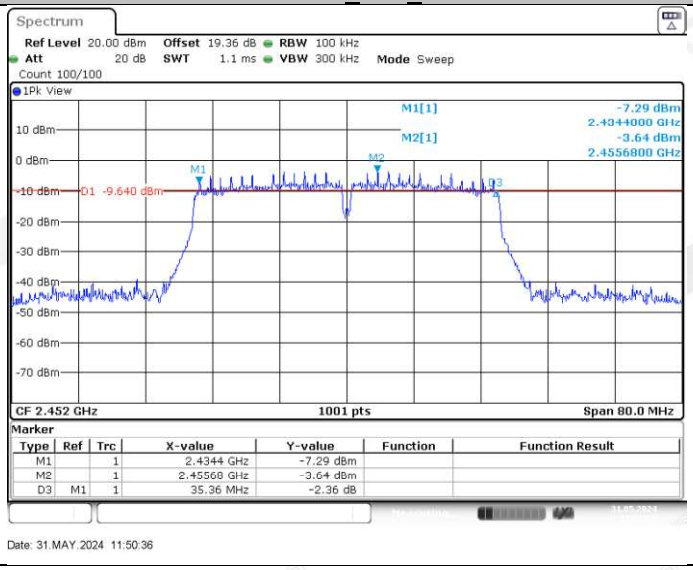
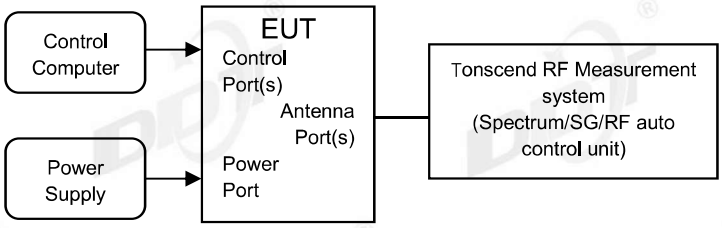


5. 99% Bandwidth

5.1. Block diagram of test setup



5.2. Limits

Just for Report.

5.3. Test procedure

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

RBW:	1% to 5% of the OBW
VBW:	approximately three times RBW
Span:	between 1.5 times and 5.0 times the OBW
Detector Mode:	peak
Sweep time:	auto
Trace mode	max hold

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

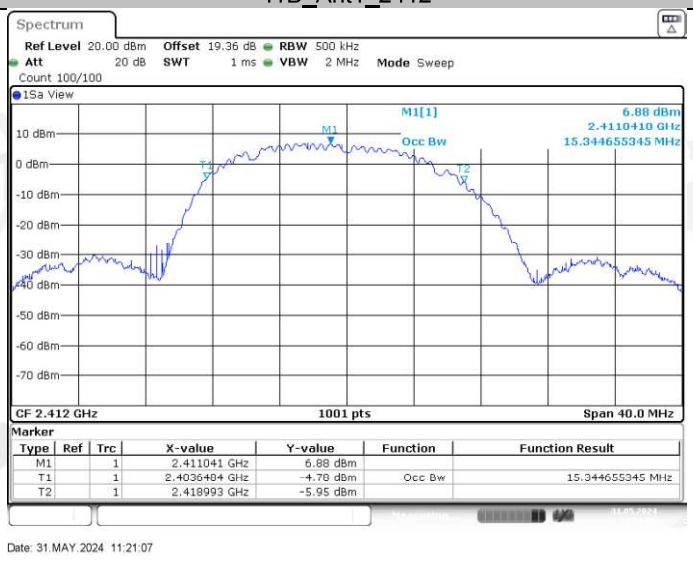
5.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 3#
Ambient Condition:	24.4℃,45.2%RH	Test Date:	2024.05.31-2024.05.31
Test Power Supply:	DC 3.3V	Sample Number:	S24041013-001

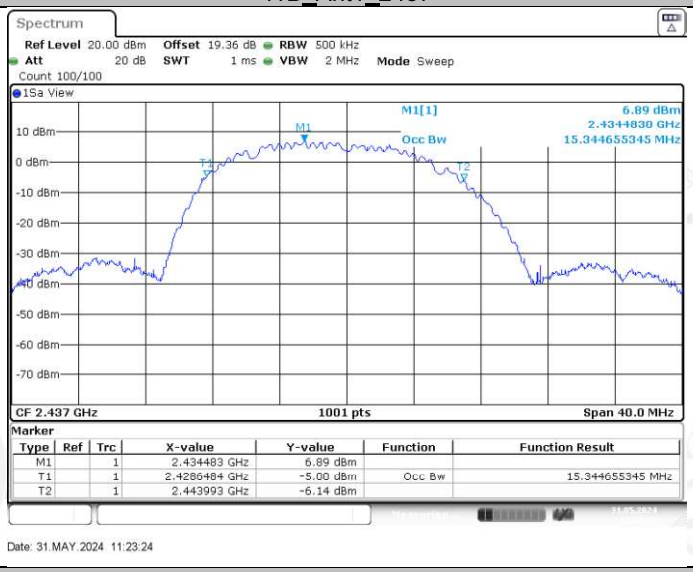
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.345	2403.6484	2418.9930	---	---
		2437	15.345	2428.6484	2443.9930	---	---
		2462	15.305	2453.6484	2468.9530	---	---
11G	Ant1	2412	17.782	2403.0490	2420.8312	---	---
		2437	17.742	2428.0490	2445.7912	---	---
		2462	17.782	2453.0490	2470.8312	---	---
11N20SISO	Ant1	2412	18.741	2402.6094	2421.3506	---	---
		2437	18.781	2427.5694	2446.3506	---	---
		2462	18.781	2452.5694	2471.3506	---	---
11N40SISO	Ant1	2422	36.523	2403.7782	2440.3017	---	---
		2437	36.444	2418.7782	2455.2218	---	---
		2452	36.364	2433.7782	2470.1419	---	---

5.5. Test graphs

11B_Ant1_2412



11B_Ant1_2437



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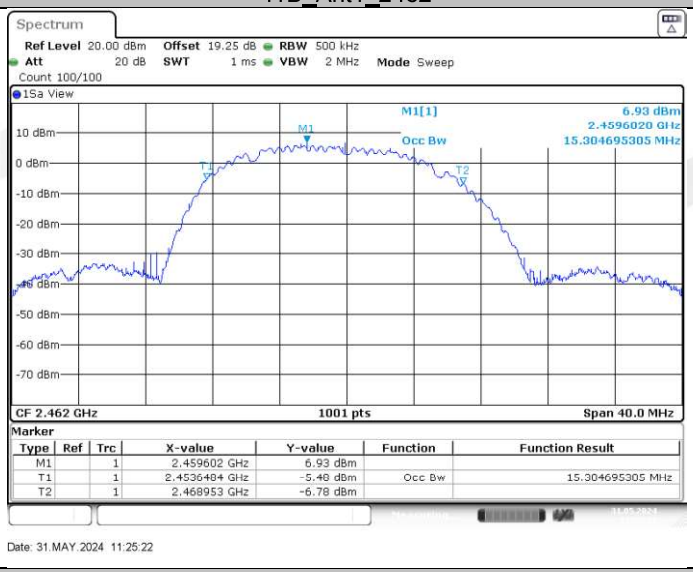

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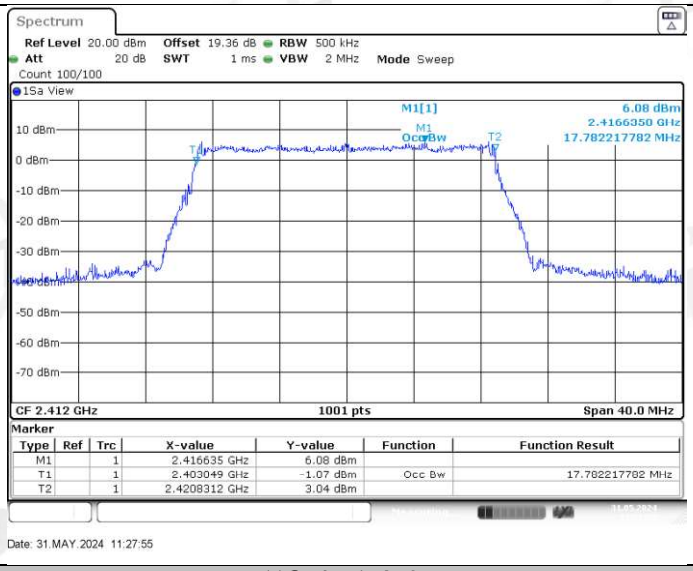

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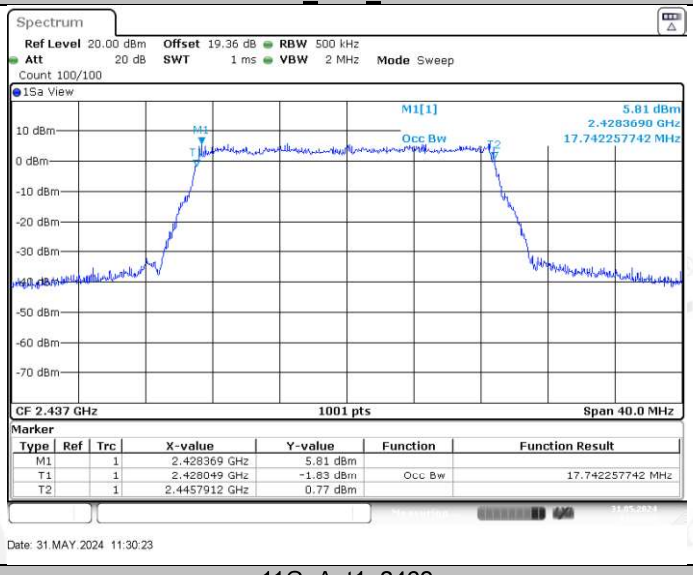

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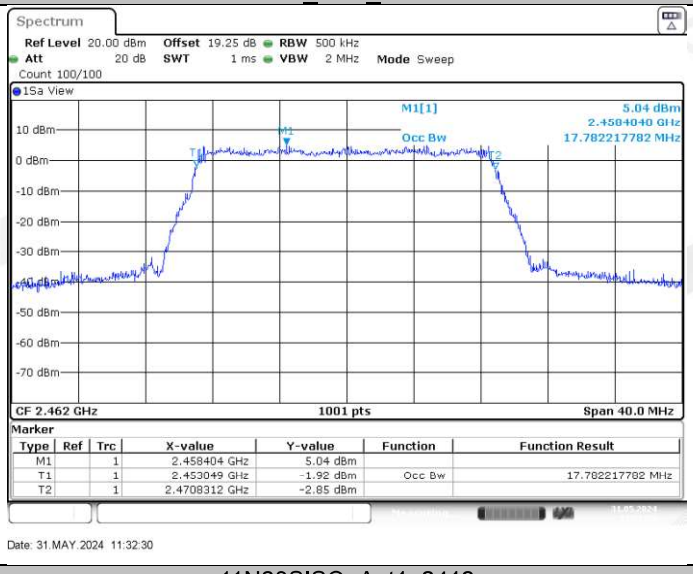

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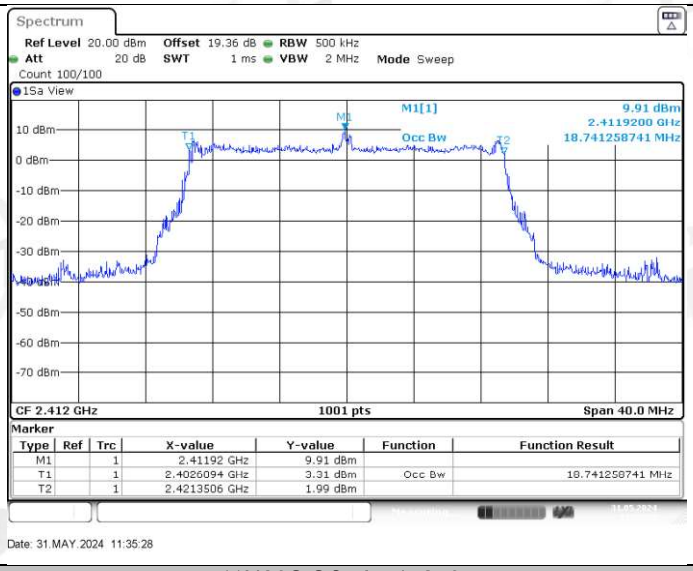

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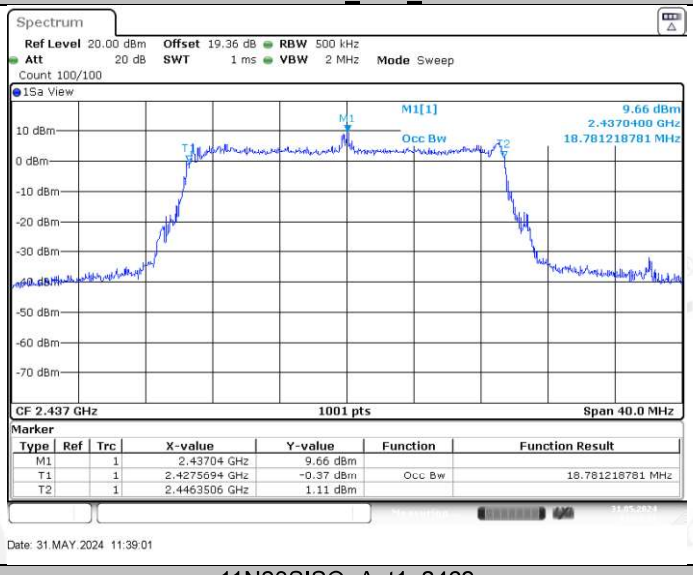

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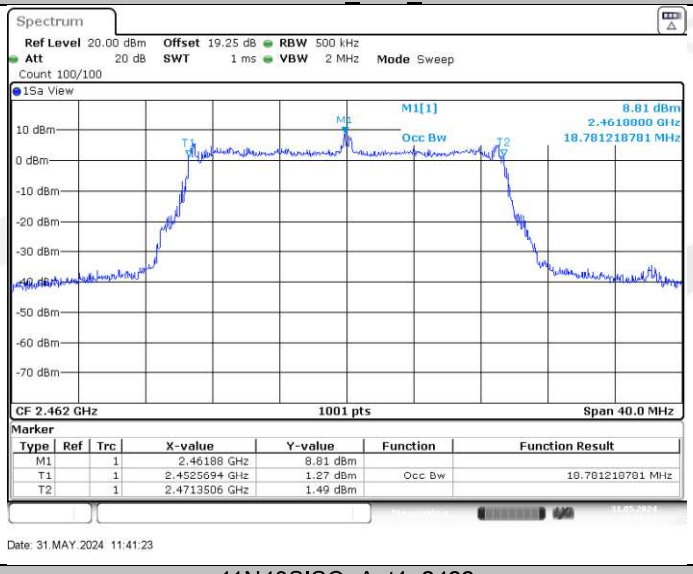

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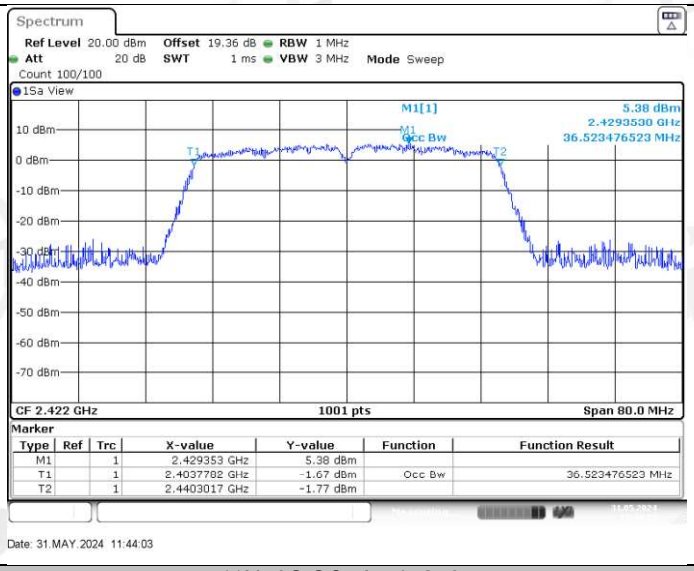

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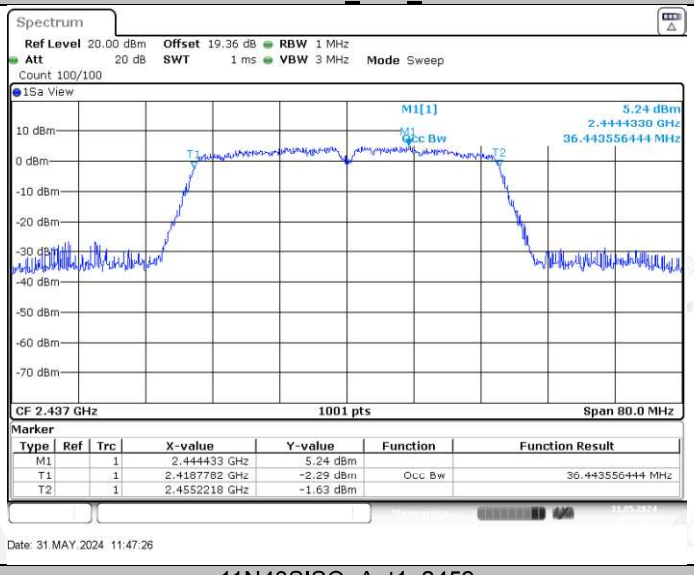
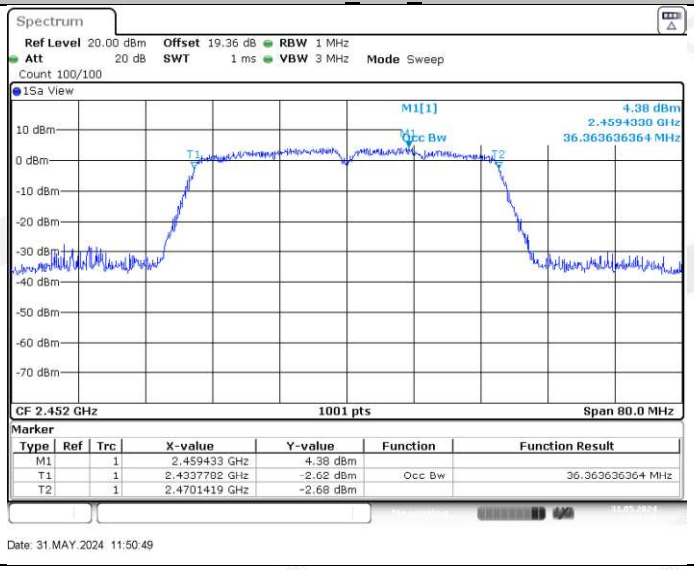
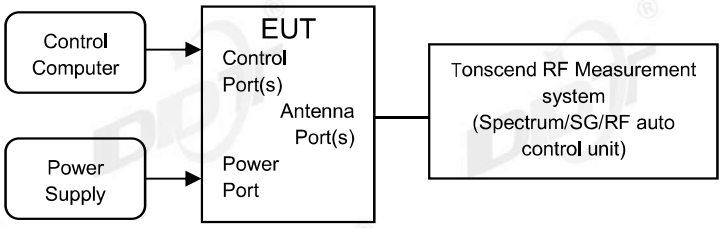


11N40SISO_Ant1_2452



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 C63.10-2013 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

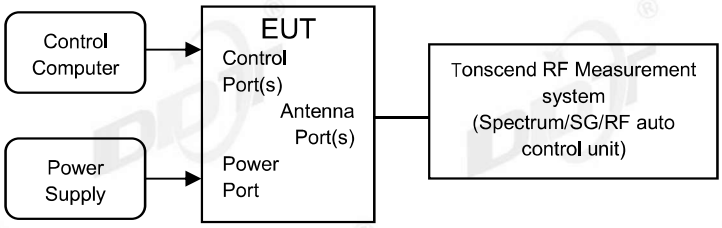
Test Engineer:	Haofeng	Test Site:	RF Measurement System 3#
Ambient Condition:	24.4℃,45.2%RH	Test Date:	2024.05.31-2024.05.31
Test Power Supply:	DC 3.3V	Sample Number:	S24041013-001

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	8.64	19.35	7.13	15.77	≤30.00	17.98	≤36.00	PASS
		2437	8.90	19.35	7.13	16.03	≤30.00	18.24	≤36.00	PASS
		2462	7.78	19.35	7.13	14.91	≤30.00	17.12	≤36.00	PASS
11G	Ant1	2412	3.23	10.00	10.00	13.23	≤30.00	15.44	≤36.00	PASS
		2437	2.79	10.00	10.00	12.79	≤30.00	15.00	≤36.00	PASS
		2462	2.16	10.00	10.00	12.16	≤30.00	14.37	≤36.00	PASS
11N20SISO	Ant1	2412	2.93	9.92	10.03	12.96	≤30.00	15.17	≤36.00	PASS
		2437	2.44	9.92	10.03	12.47	≤30.00	14.68	≤36.00	PASS
		2462	1.83	9.92	10.03	11.86	≤30.00	14.07	≤36.00	PASS
11N40SISO	Ant1	2422	2.19	9.23	10.35	12.54	≤30.00	14.75	≤36.00	PASS
		2437	1.65	9.23	10.35	12.00	≤30.00	14.21	≤36.00	PASS
		2452	1.01	9.23	10.35	11.36	≤30.00	13.57	≤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 C63.10-2013 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

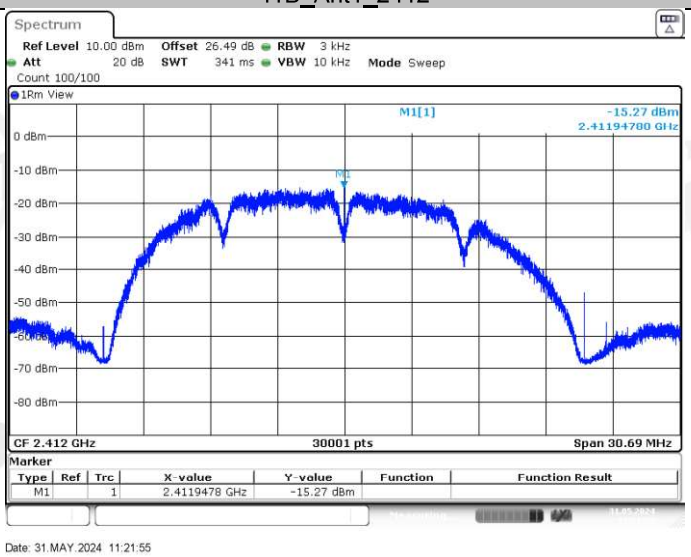
Test Engineer:	Haofeng	Test Site:	RF Measurement System 3#
Ambient Condition:	24.4℃,45.2%RH	Test Date:	2024.05.31-2024.05.31
Test Power Supply:	DC 3.3V	Sample Number:	S24041013-001

Test Mode	Antenna	Frequency [MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.27	≤8.00	PASS
		2437	-15.00	≤8.00	PASS
		2462	-15.50	≤8.00	PASS
11G	Ant1	2412	-18.44	≤8.00	PASS
		2437	-16.97	≤8.00	PASS
		2462	-17.46	≤8.00	PASS
11N20SISO	Ant1	2412	-17.58	≤8.00	PASS
		2437	-16.50	≤8.00	PASS
		2462	-18.42	≤8.00	PASS
11N40SISO	Ant1	2422	-25.41	≤8.00	PASS
		2437	-26.23	≤8.00	PASS
		2452	-25.88	≤8.00	PASS

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

7.5. Test graphs

11B_Ant1_2412



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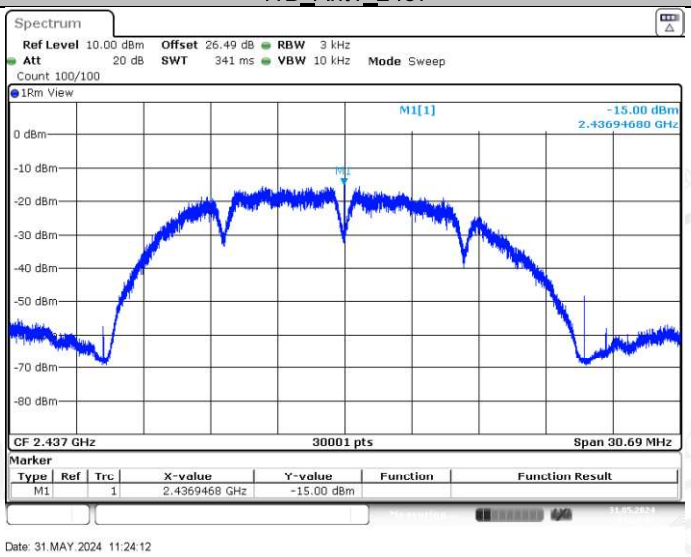
11B_Ant1_2437



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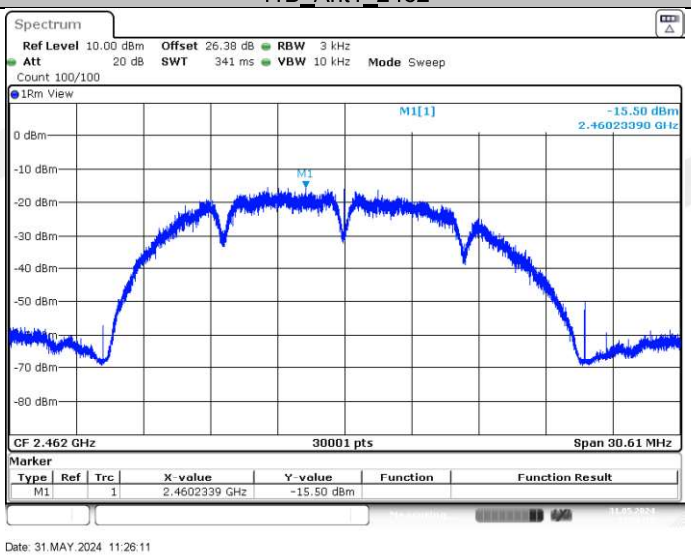

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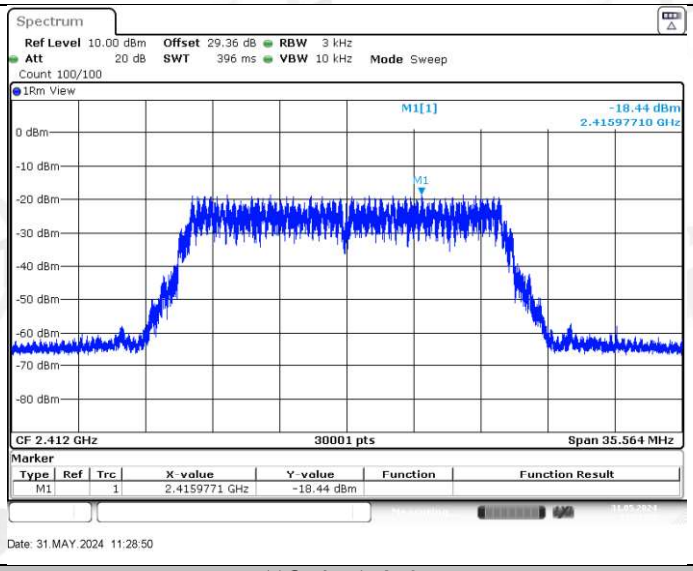
11G_Ant1_2412



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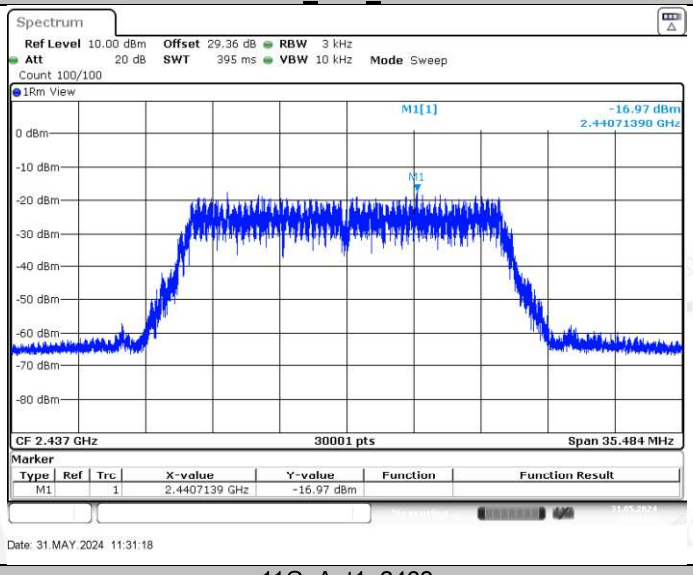

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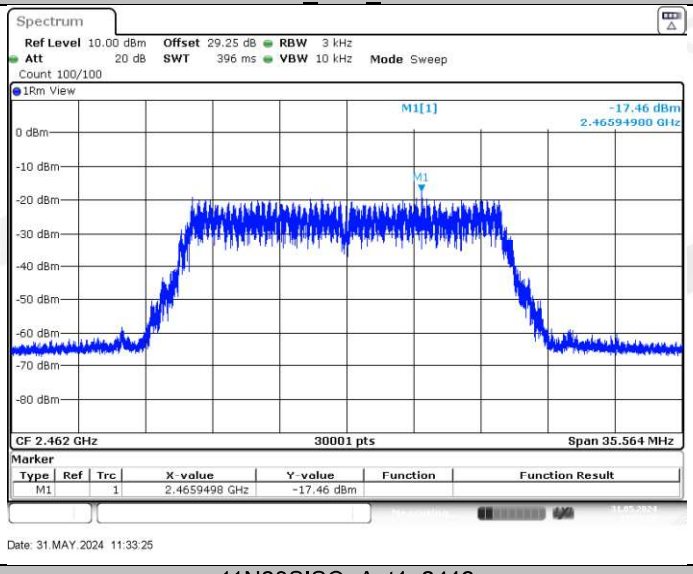

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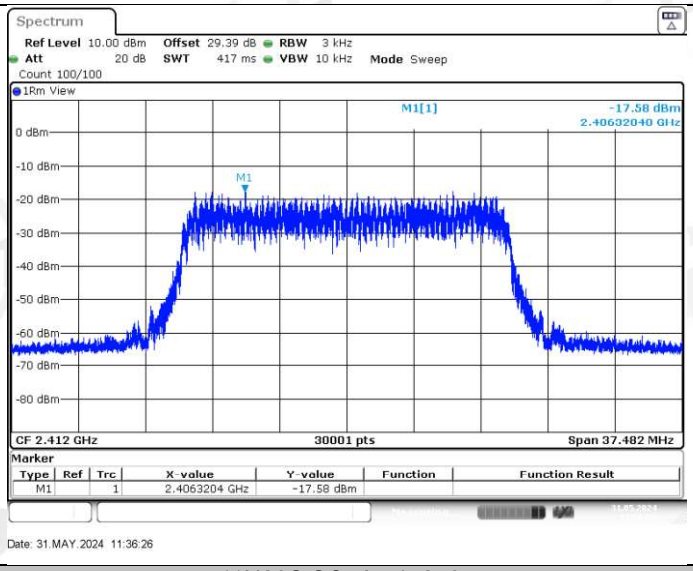

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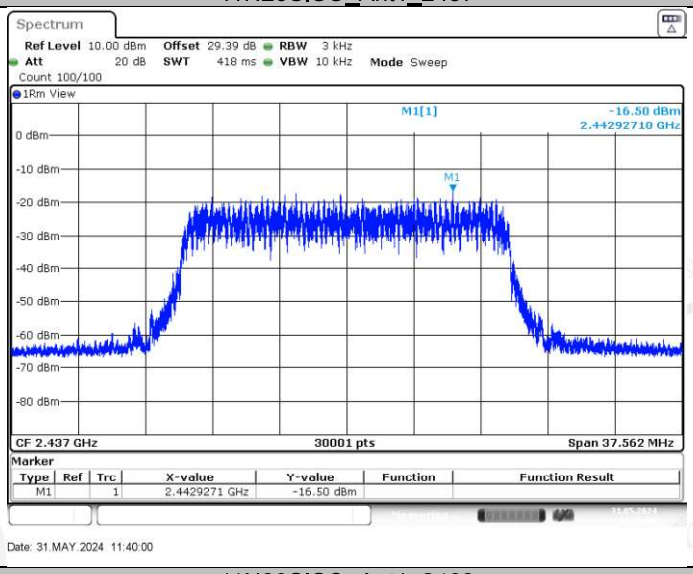

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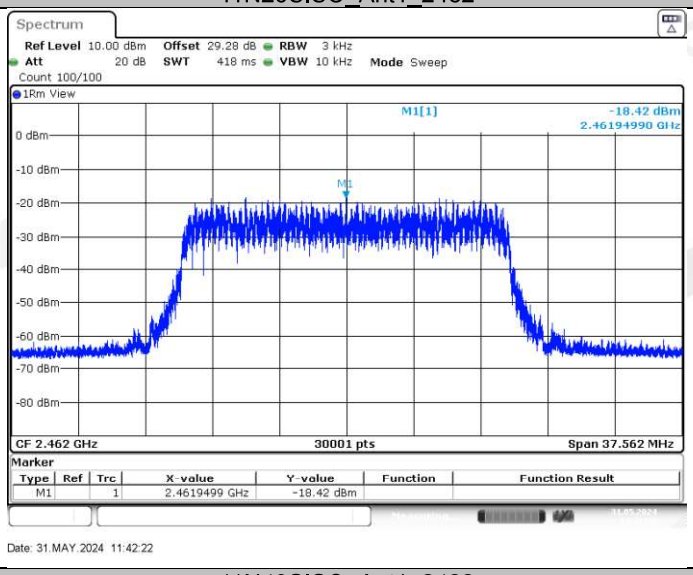

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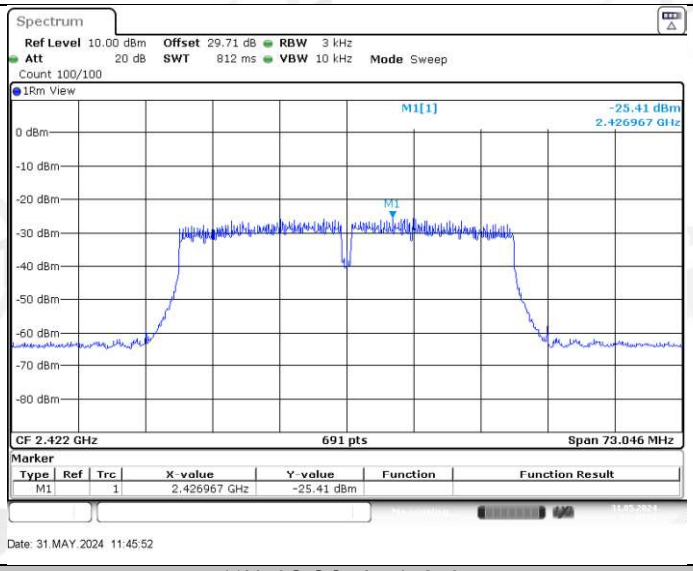

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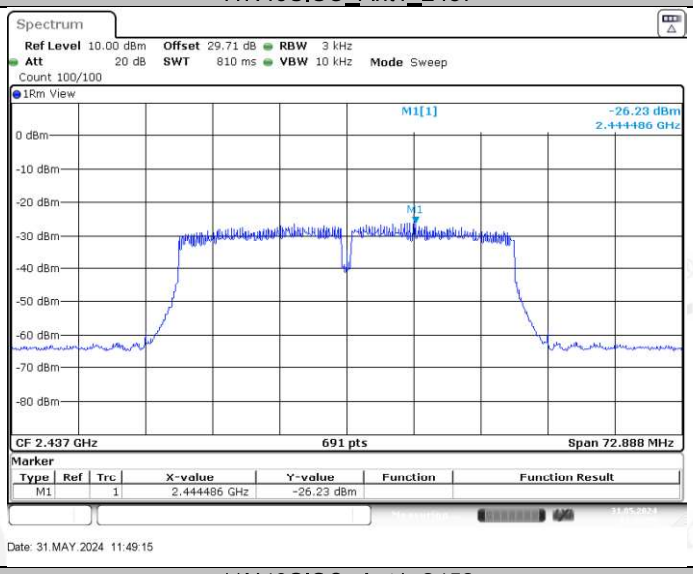

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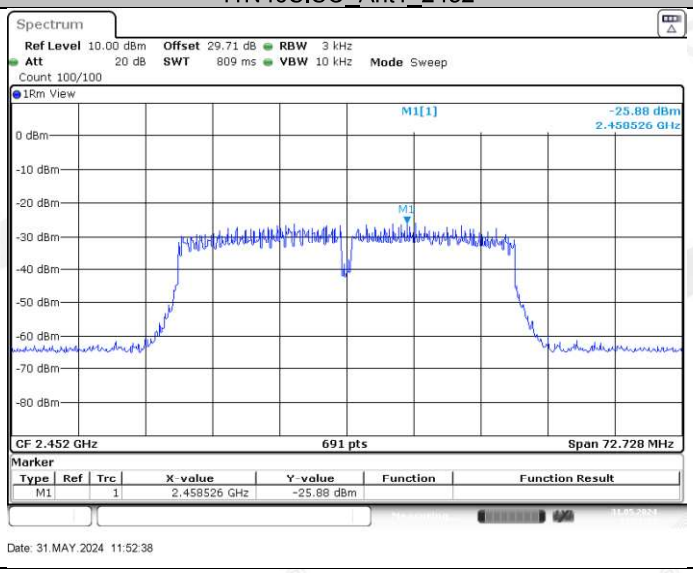
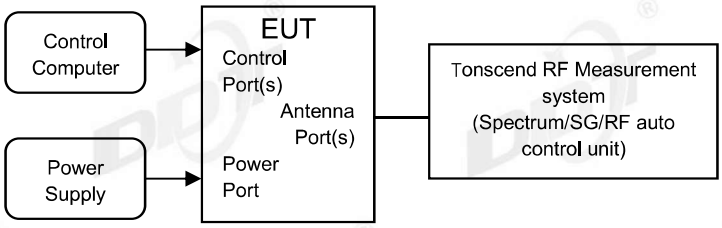


8. Band Edge Compliance (Conducted Method)

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 in 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

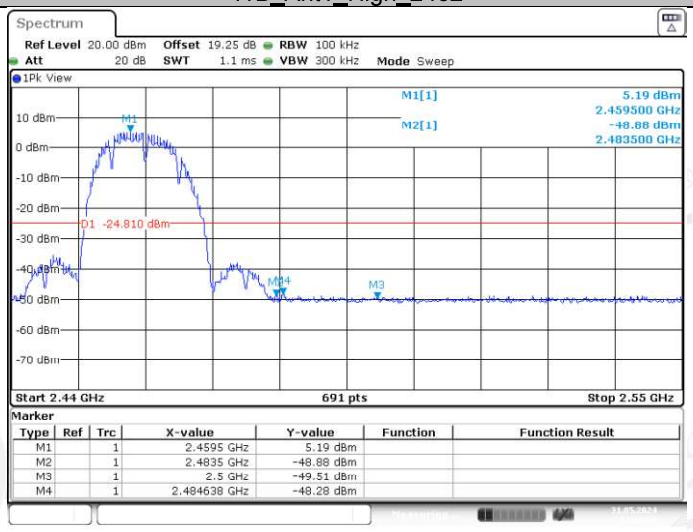
Test Engineer:	Haofeng	Test Site:	RF Measurement System 3#
Ambient Condition:	24.4℃,45.2%RH	Test Date:	2024.05.31-2024.05.31
Test Power Supply:	DC 3.3V	Sample Number:	S24041013-001

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

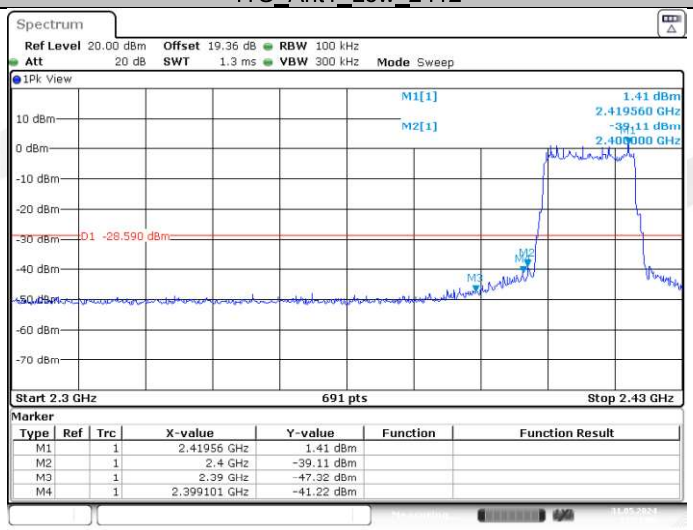
8.5. Test graphs

11B_Ant1_Low_2412

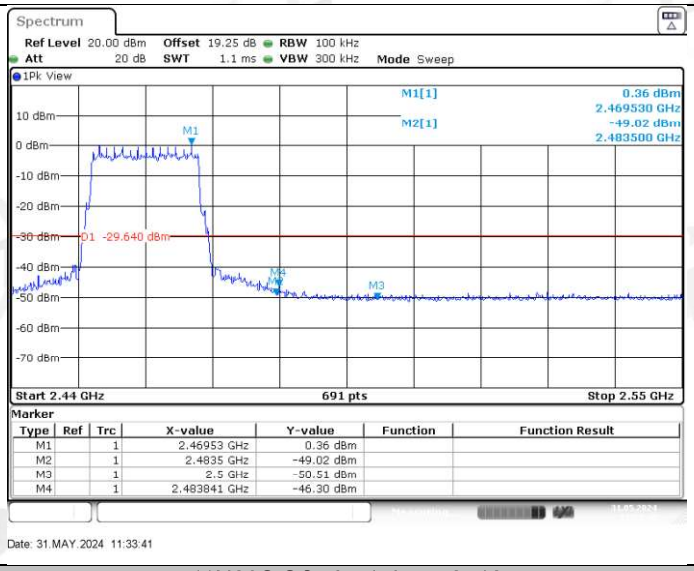
11B_Ant1_High_2462



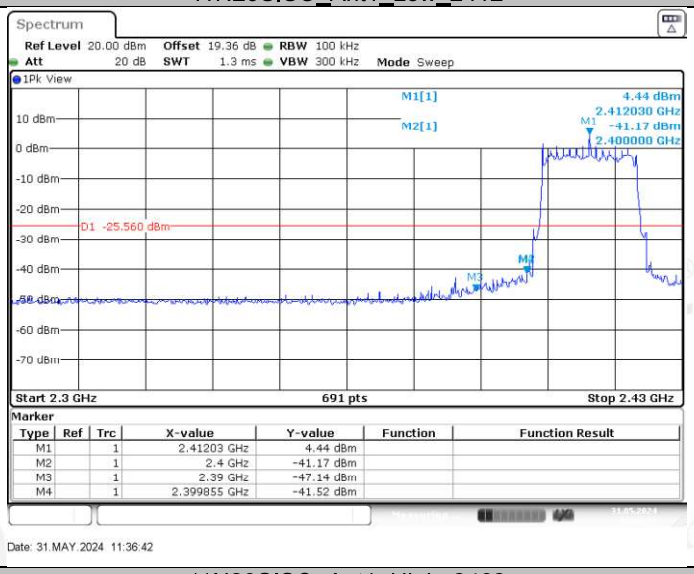
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



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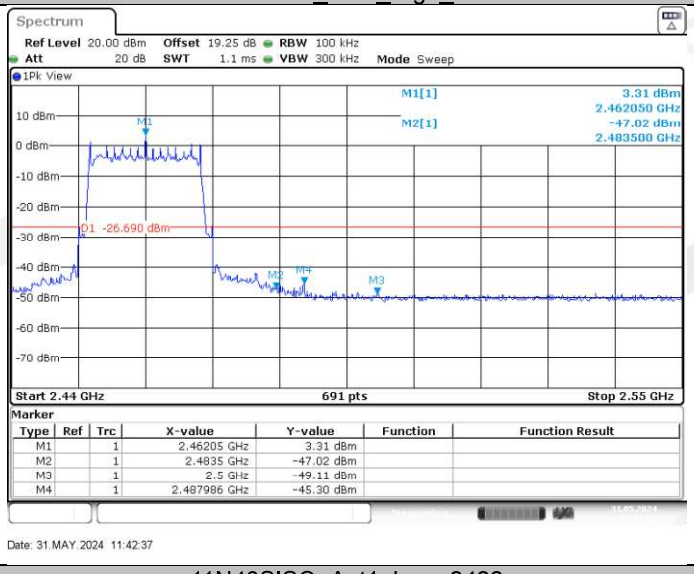
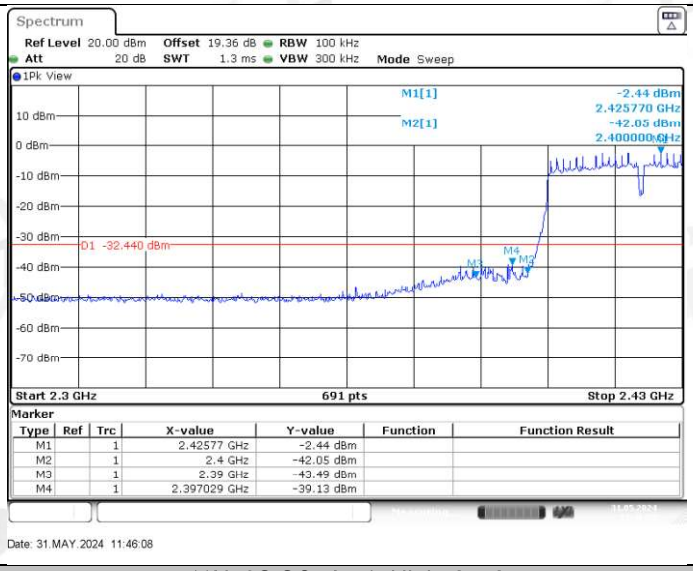


11N40SISO_Ant1_Low_2422



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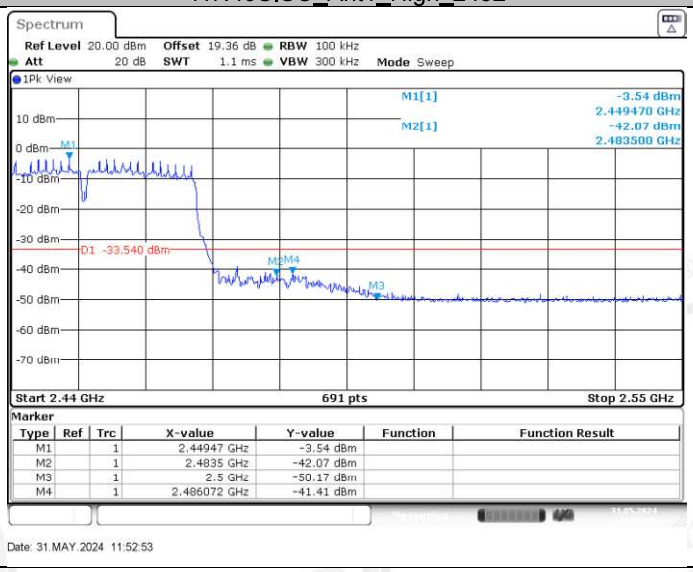
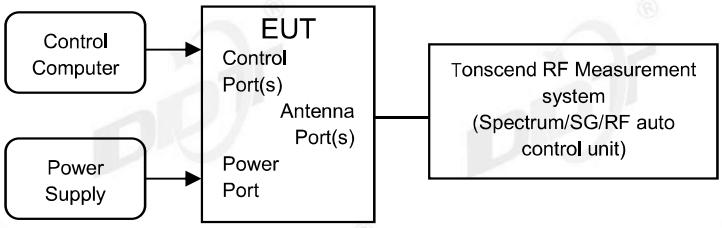


9. RF Conducted Spurious Emissions

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 in 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

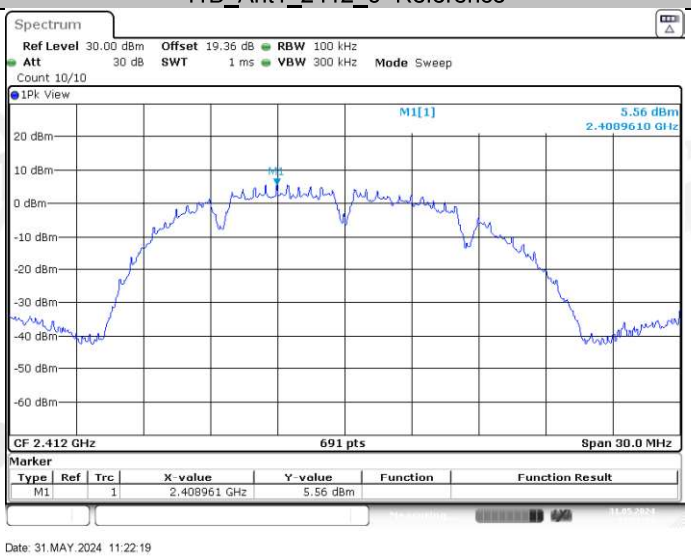
9.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 3#
Ambient Condition:	24.4℃,45.2%RH	Test Date:	2024.05.31-2024.05.31
Test Power Supply:	DC 3.3V	Sample Number:	S24041013-001

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_2412_0~Reference



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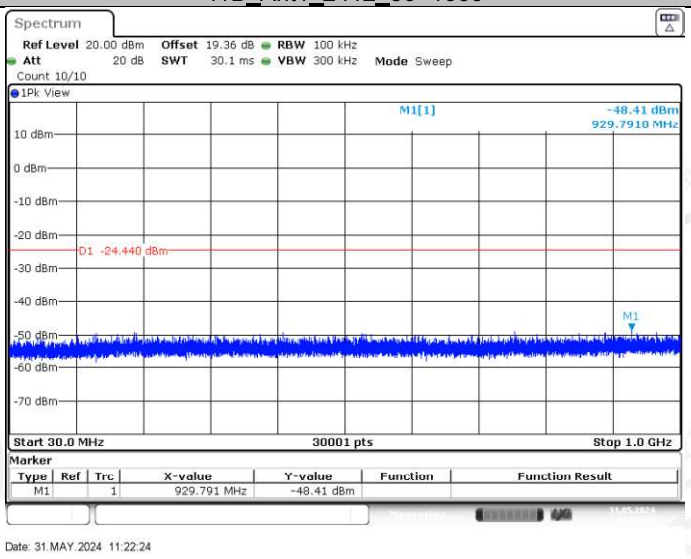

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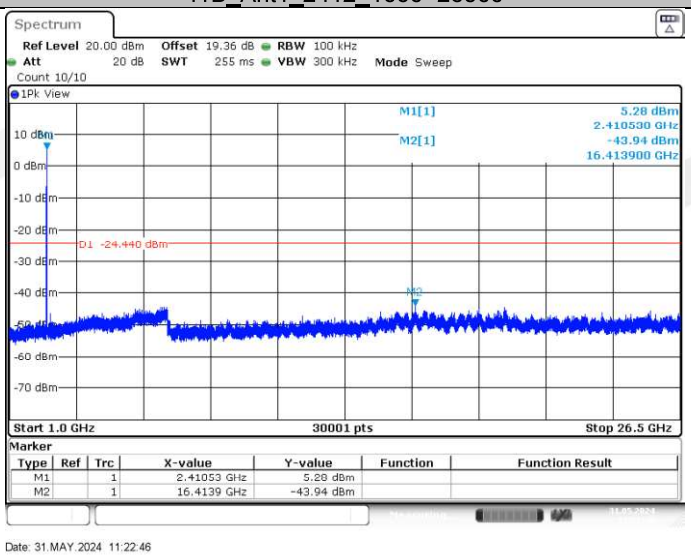

11B_Ant1_2437_0~Reference