



FCC CERTIFICATION TEST REPORT

Applicant	:	BEIJING MADV TECHNOLOGY CO., LTD.
Address of Applicant	:	No.80, Floor 4, Building 17, Yard 30, ShiXingDaJie, Shijingshan District, Beiling, China
Manufacturer	:	BEIJING MADV TECHNOLOGY CO., LTD.
Address of Manufacturer	:	No.80, Floor 4, Building 17, Yard 30, ShiXingDaJie, Shijingshan District, Beiling, China
Equipment under Test	:	Reli Light Cam Battery D2
Model No.	:	FJ35HWXJ
FCC ID	:	2AJ2LFJ35HWXJ
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, ANSI C63.10:2013,
Report No.	:	DDT-RE24101811-1E02
Issue Date	:	2025/04/10
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

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Test Report Declare

Applicant	:	BEIJING MADV TECHNOLOGY CO., LTD.
Address of Applicant	:	No.80, Floor 4, Building 17, Yard 30, ShiXingDaJie, Shijingshan District, Beiling, China
Equipment under Test	:	Reli Light Cam Battery D2
Model No.	:	FJ35HWXJ
Manufacturer	:	BEIJING MADV TECHNOLOGY CO., LTD.
Address of Manufacturer	:	No.80, Floor 4, Building 17, Yard 30, ShiXingDaJie, Shijingshan District, Beiling, China

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

We Declare:
The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE24101811-1E02		
Date of Receipt:	2024/11/18	Date of Test:	2024/11/18 - 2025/04/10

Created: Chen Ziqin	Reviewed: Ella Gong	Approved: Damon Hu
		
2025/04/10	2025/04/10	2025/04/10

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
---	Initial issue	2025/04/10	Damon Hu

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6 dB Bandwidth and 99% Bandwidth	FCC Part 15: 15.247(a)(2),	/	Pass
2	Peak Output Power	FCC Part 15: 15.247(b)(3)	/	Pass
3	Power Spectral Density	FCC Part 15:15.247(e)	/	Pass
4	RF Conducted Spurious Emissions	FCC Part 15: 15.247(d)	/	Pass
5	Radiated Emission	FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d)	/	Pass
6	Band Edge Compliance	FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d)	/	Pass
7	Power Line Conducted Emissions	FCC Part 15: 15.207(a)	/	Pass
8	Antenna Requirement	FCC Part 15: 15.203	/	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	: Reli Light Cam Battery D2
Model Number	: FJ35H WXJ
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 5V powered by an external adapter or a built-in 3.7V lithium battery.
Antenna Type	: FPC Antenna
Max Antenna Gain(dBi)	: 3.82

Radio Technology	: IEEE 802.11b/g/n/ax
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 IEEE 802.11ax HE20: 2412MHz to 2462MHz IEEE 802.11ax HE40: 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) IEEE 802.11ax: OFDM, OFDMA (1024QAM, 256QAM, 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	/	/

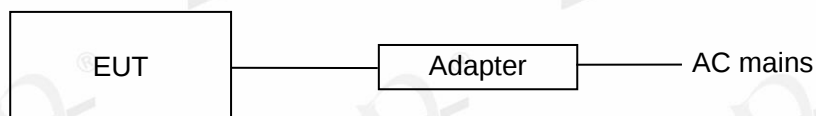
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's 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: BLDevCube.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	20	/	1	LCH: CH1	2412
	20	/	1	MCH: CH6	2437
	20	/	1	HCH: CH11	2462
IEEE 802.11g	13	/	6	LCH: CH1	2412
	13	/	6	MCH: CH6	2437
	13	/	6	HCH: CH11	2462
IEEE 802.11n HT20	13	/	MCS 0	LCH: CH1	2412
	13	/	MCS 0	MCH: CH6	2437
	13	/	MCS 0	HCH: CH11	2462
IEEE 802.11n HT40	11	/	MCS 0	LCH: CH3	2422
	11	/	MCS 0	MCH: CH6	2437
	11	/	MCS 0	HCH: CH9	2452
IEEE 802.11ax HE20	SU: 13 RU: 13	/	MCS 0	LCH: CH1	2412
	SU: 13 RU: 13	/	MCS 0	MCH: CH6	2437
	SU: 13 RU: 13	/	MCS 0	HCH: CH11	2462
IEEE 802.11ax HE40	SU: 13 RU: 13	/	MCS 0	LCH: CH3	2422
	SU: 13 RU: 13	/	MCS 0	MCH: CH6	2437
	SU: 13 RU: 13	/	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

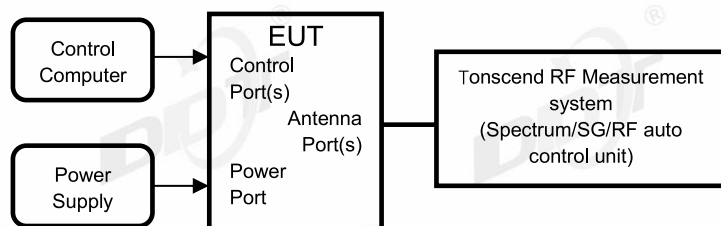
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f <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

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date
☑RF Connected Test (RF Measurement System 4#)				
Signal &Spectrum Analyzer	R&S	FSV3044	101173	2026/03/28
Wideband Radio Communication Tester	R&S	CMW500	168801	2026/03/28
MXG Vector Signal Generator	Agilent	N5182A	MY48180737	2026/03/28
PSG Vector Signal Generator	Agilent	E8267D	US49060192	2025/08/25
RF Control Unit	Tonsend	JS0806-2	2118060485	2026/03/28
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/03/28
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:	$\geq [3 \times \text{RBW}]$
Detector Mode:	peak
Sweep time:	auto
Trace mode	max hold

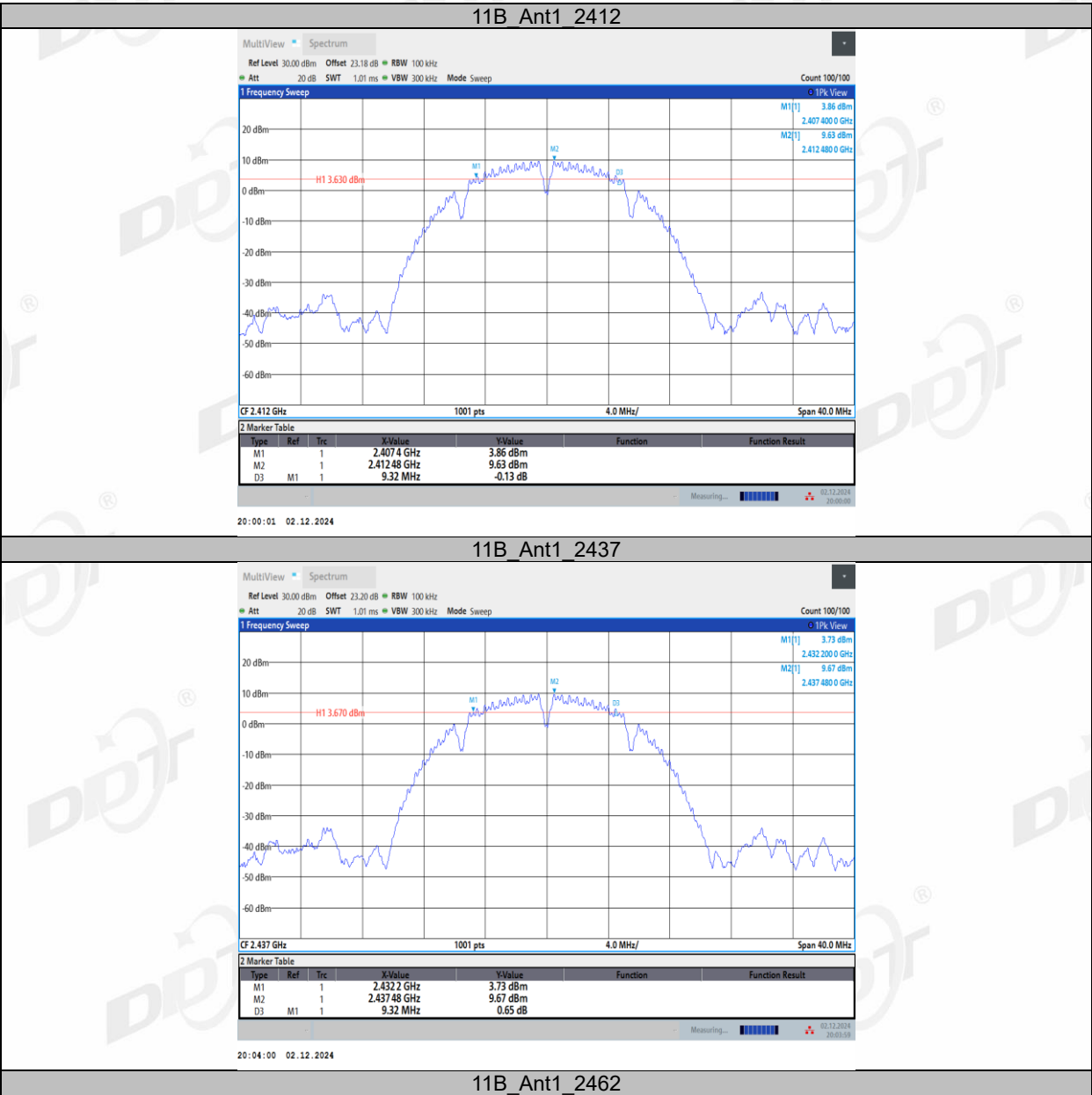
Allow the trace to stabilize, measure the 6 dB bandwidth of signal, and record the results in the report

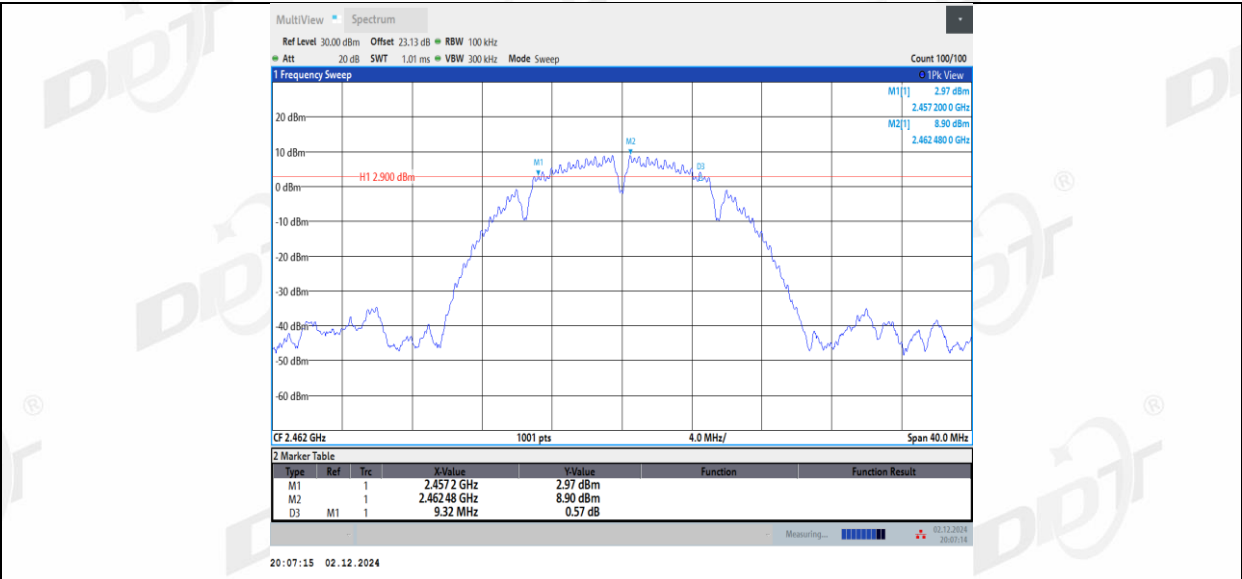
4.4. Test result

Test Engineer:	Zoe	Test Site:	RF Measurement System 4#				
Ambient Condition:	26.2℃,45.8%RH	Test Date:	2024.12.03-2024.12.03				
Test Power Supply:	DC 5V	Sample Number:	S24101811-002				

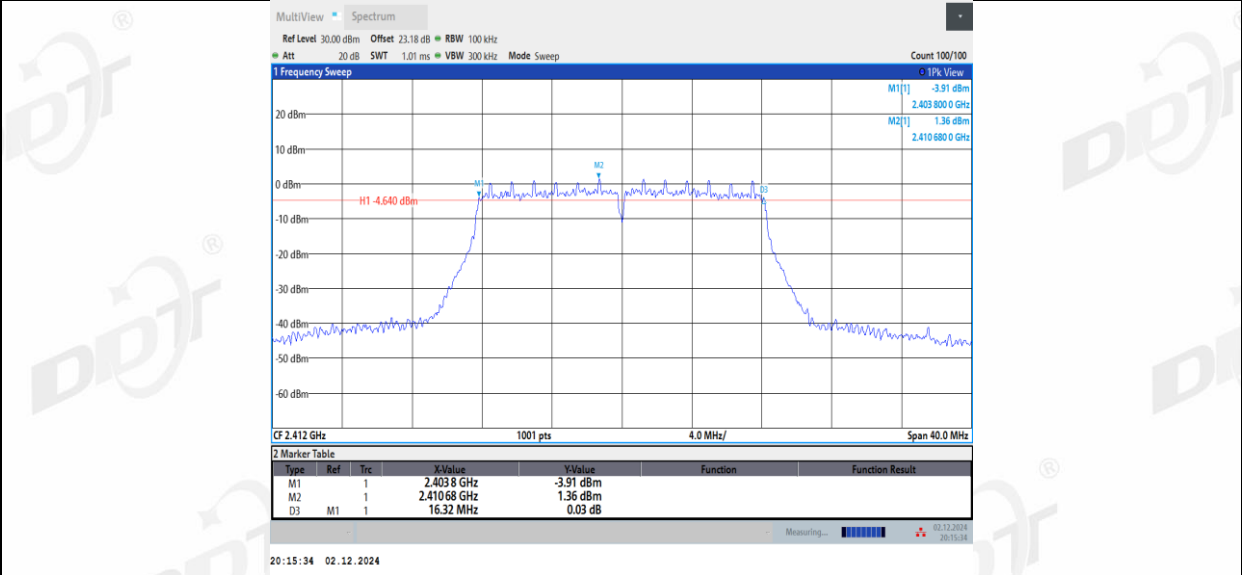
Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	9.32	2407.40	2416.72	0.5	PASS
		2437	9.32	2432.20	2441.52	0.5	PASS
		2462	9.32	2457.20	2466.52	0.5	PASS
11G	Ant1	2412	16.32	2403.80	2420.12	0.5	PASS
		2437	16.32	2428.80	2445.12	0.5	PASS
		2462	16.32	2453.80	2470.12	0.5	PASS
11N20SISO	Ant1	2412	16.84	2403.56	2420.40	0.5	PASS
		2437	16.80	2428.56	2445.36	0.5	PASS
		2462	16.80	2453.56	2470.36	0.5	PASS
11N40SISO	Ant1	2422	35.12	2404.48	2439.60	0.5	PASS
		2437	35.12	2419.48	2454.60	0.5	PASS
		2452	35.12	2434.48	2469.60	0.5	PASS
11AX20SISO	Ant1	2412	18.88	2402.52	2421.40	0.5	PASS
		2437	18.92	2427.52	2446.44	0.5	PASS
		2462	18.84	2452.56	2471.40	0.5	PASS
11AX40SISO	Ant1	2422	37.84	2403.20	2441.04	0.5	PASS
		2437	37.84	2418.04	2455.88	0.5	PASS
		2452	37.60	2433.12	2470.72	0.5	PASS

4.5. Test graphs

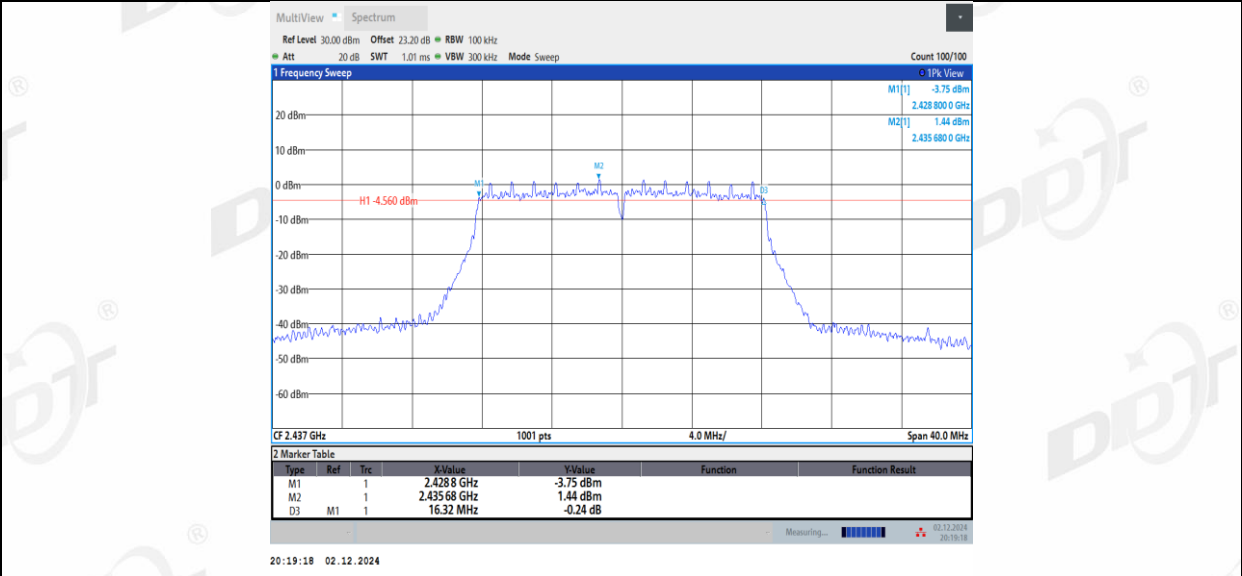




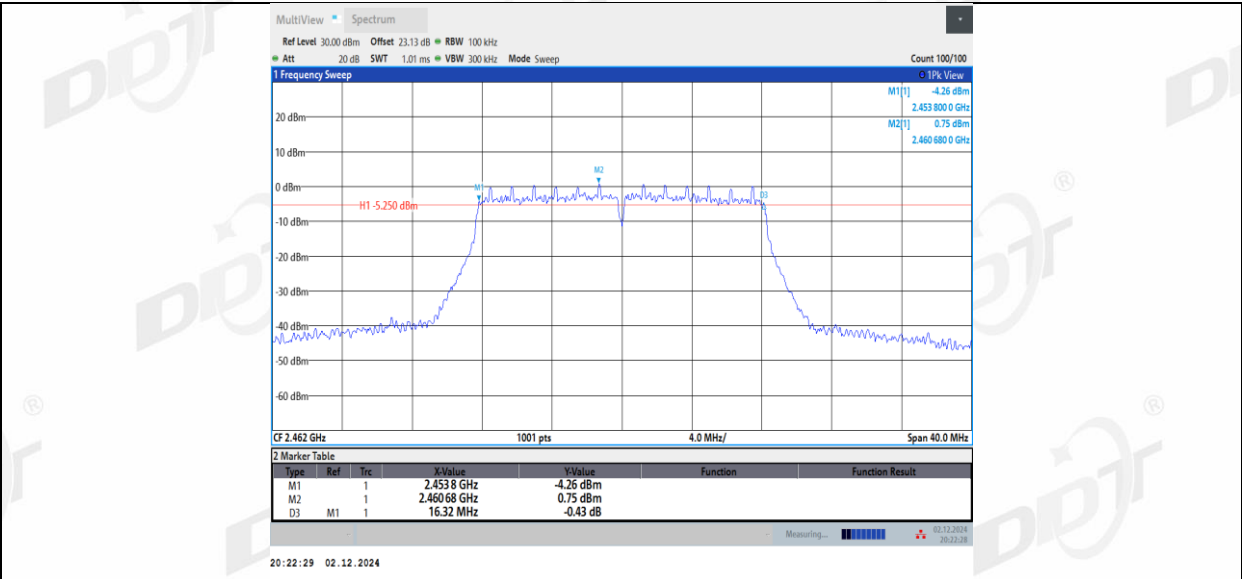
11G_Ant1_2412



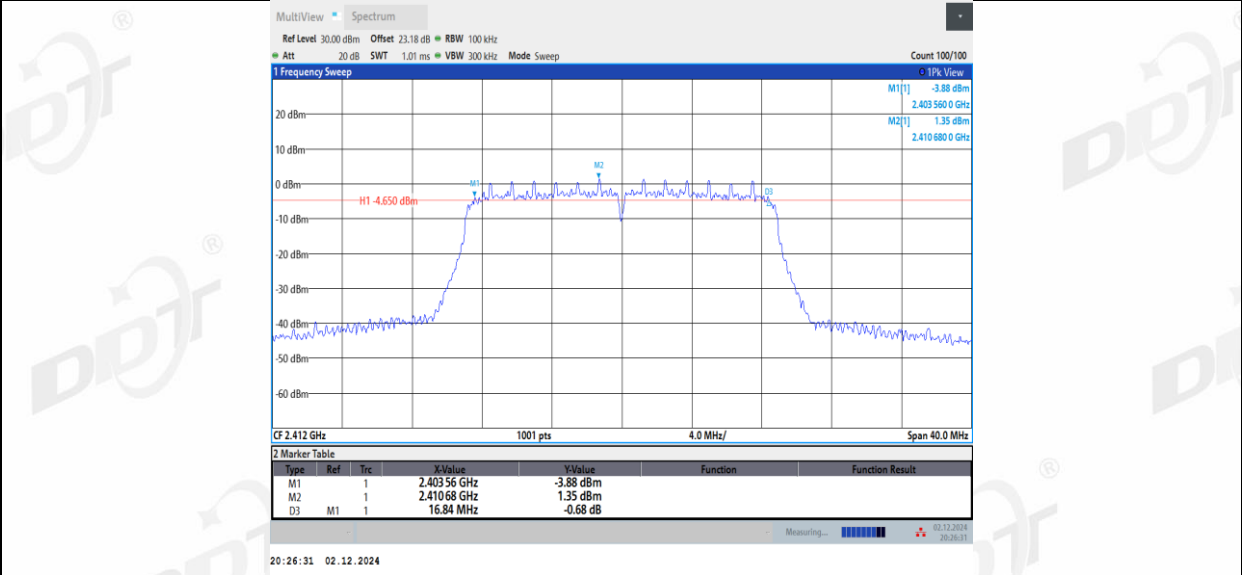
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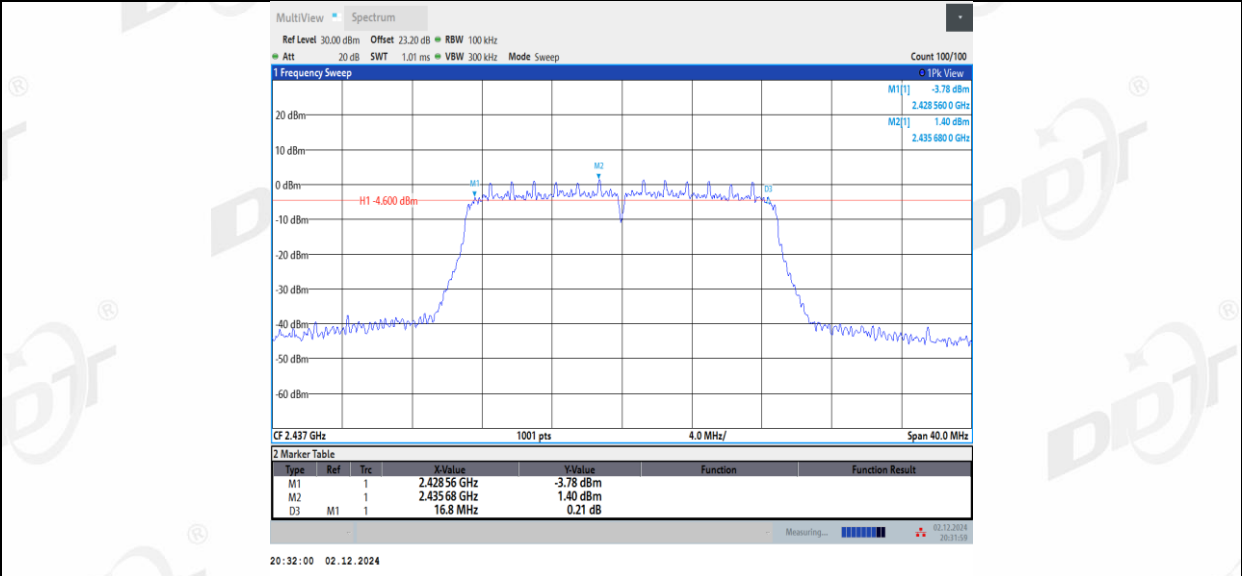
11G_Ant1_2462



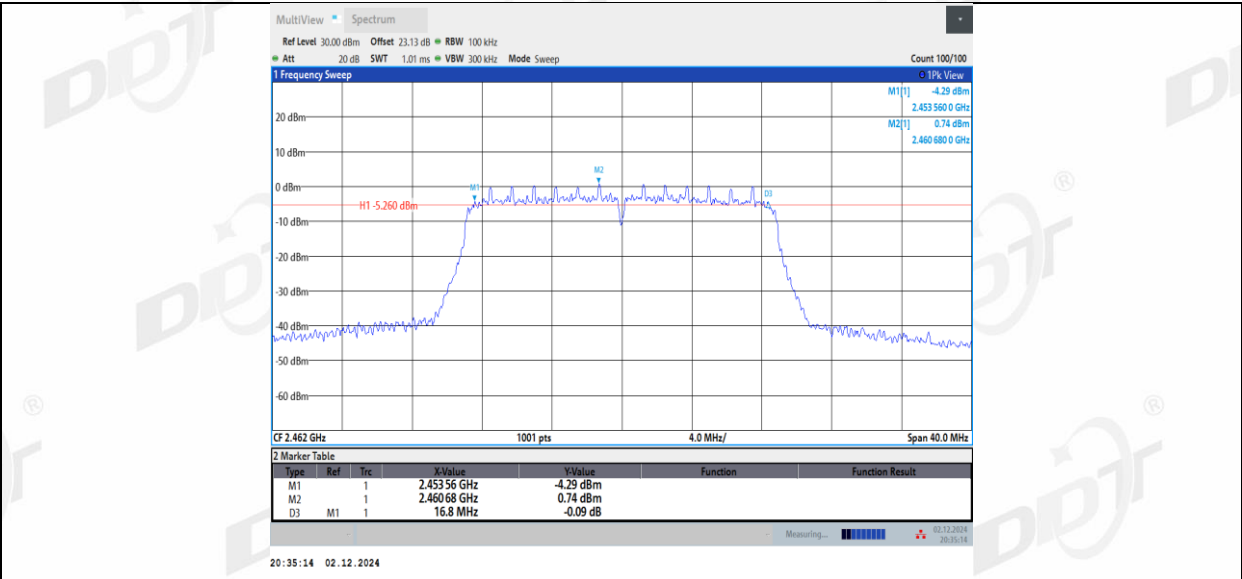
11N20SISO Ant1 2412



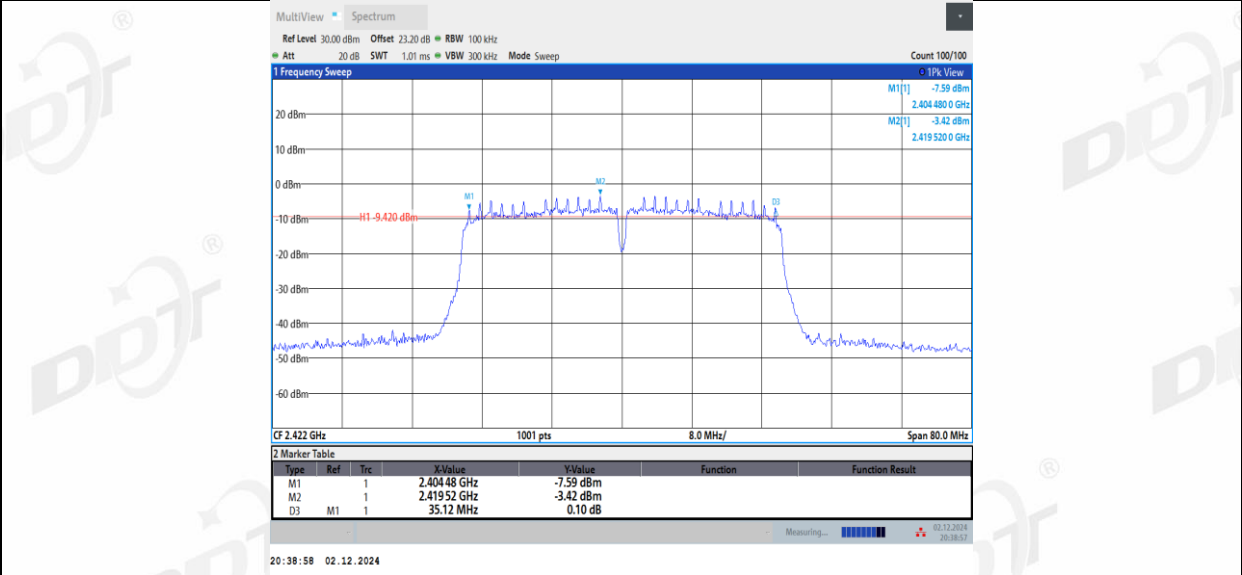
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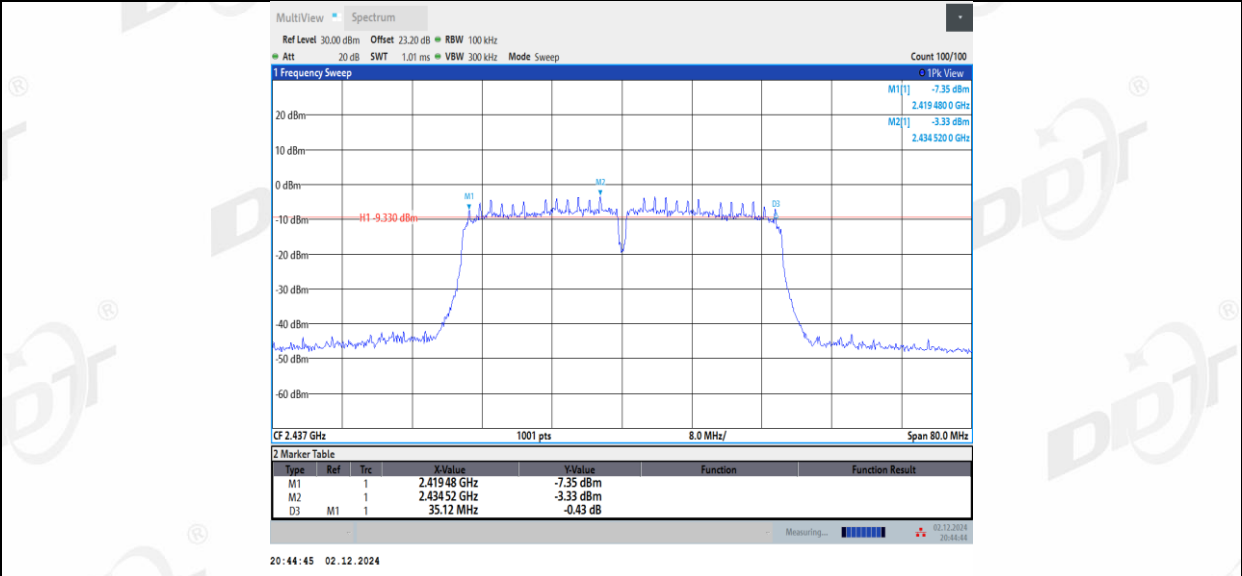
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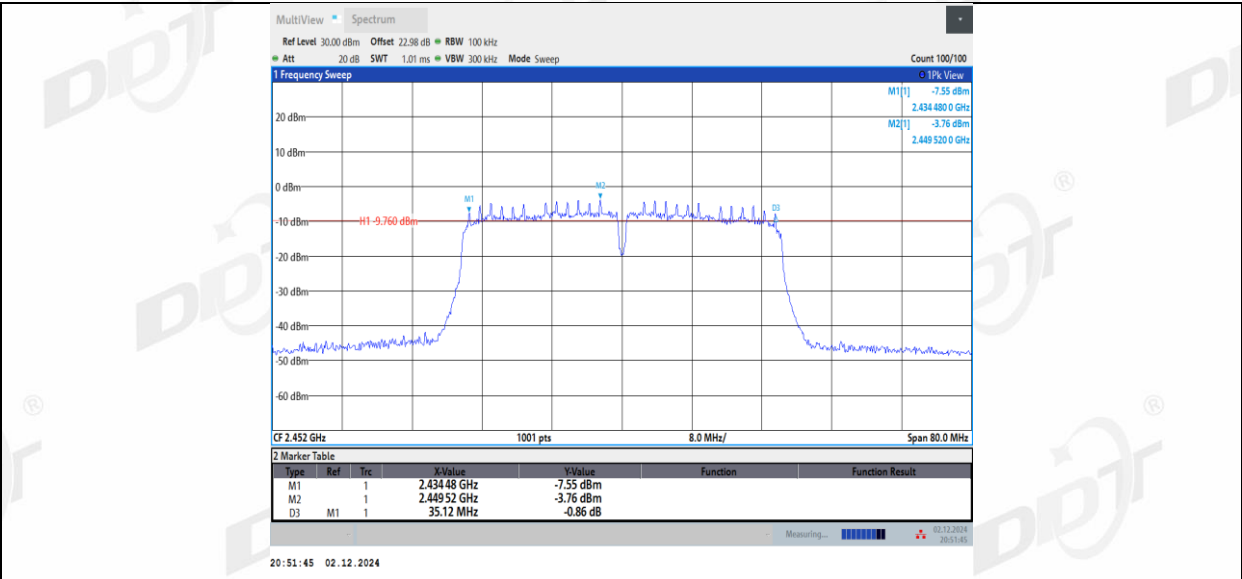
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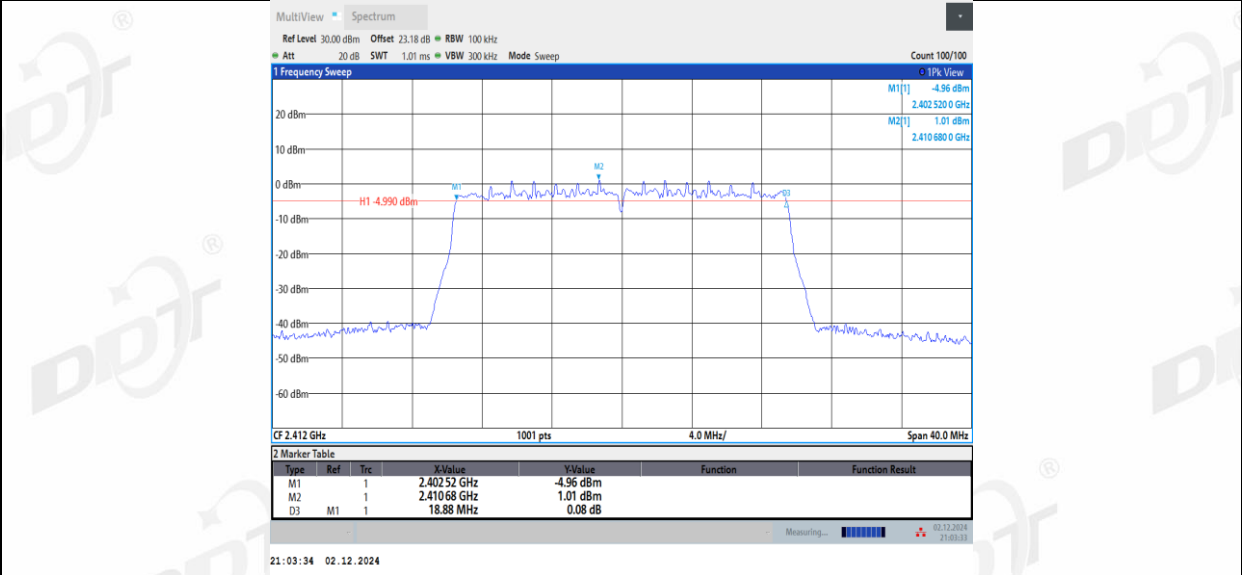
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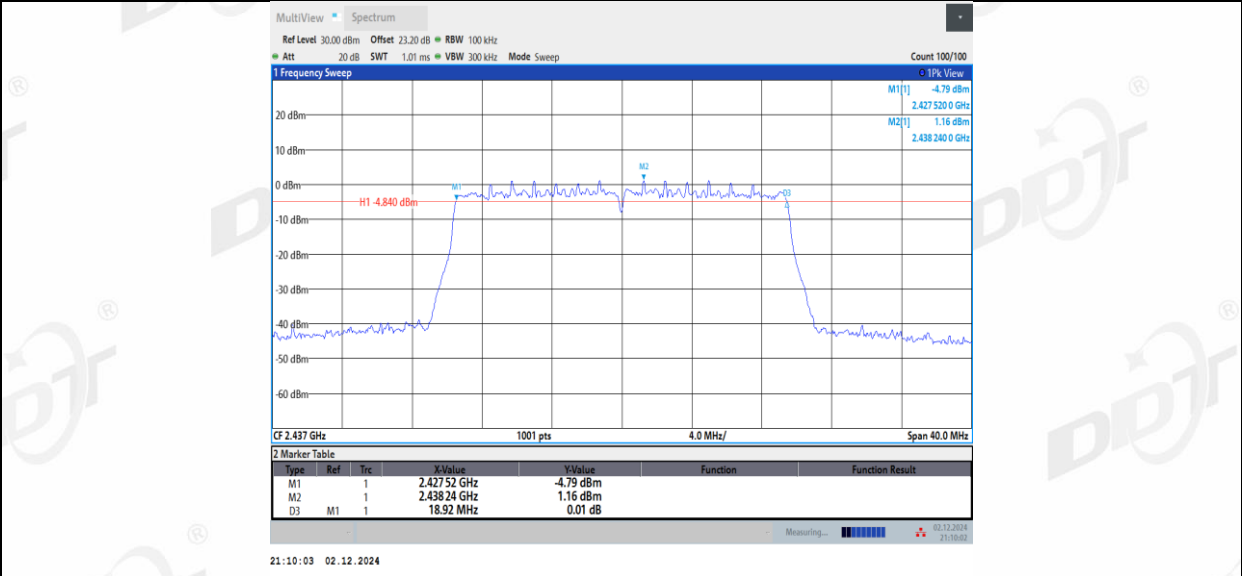
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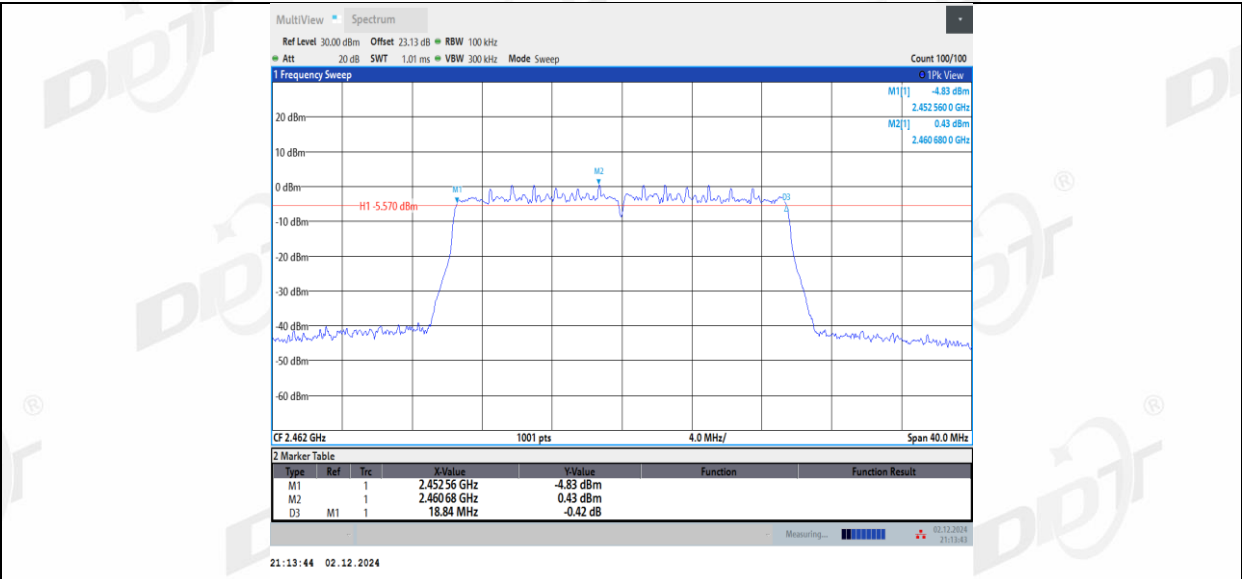
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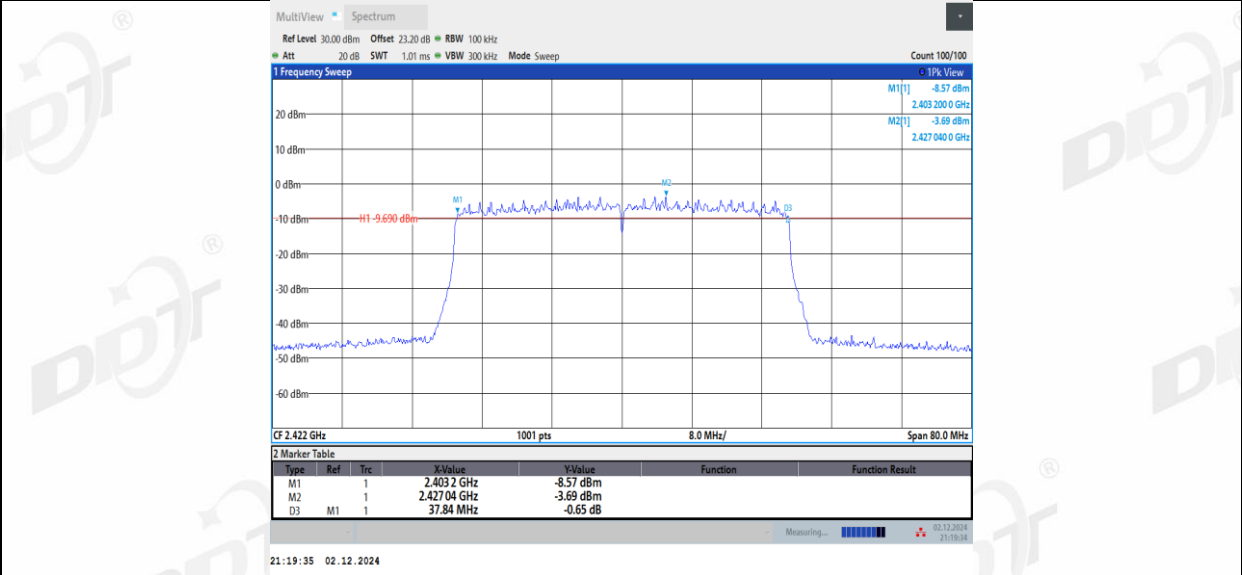
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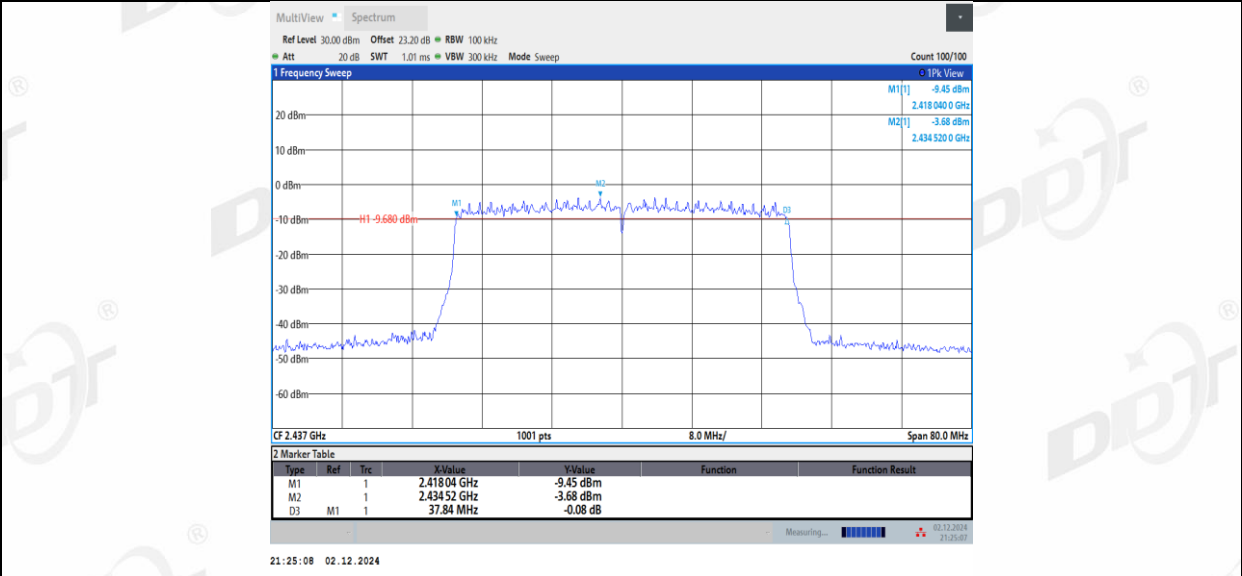
11AX20SISO_Ant1_2462



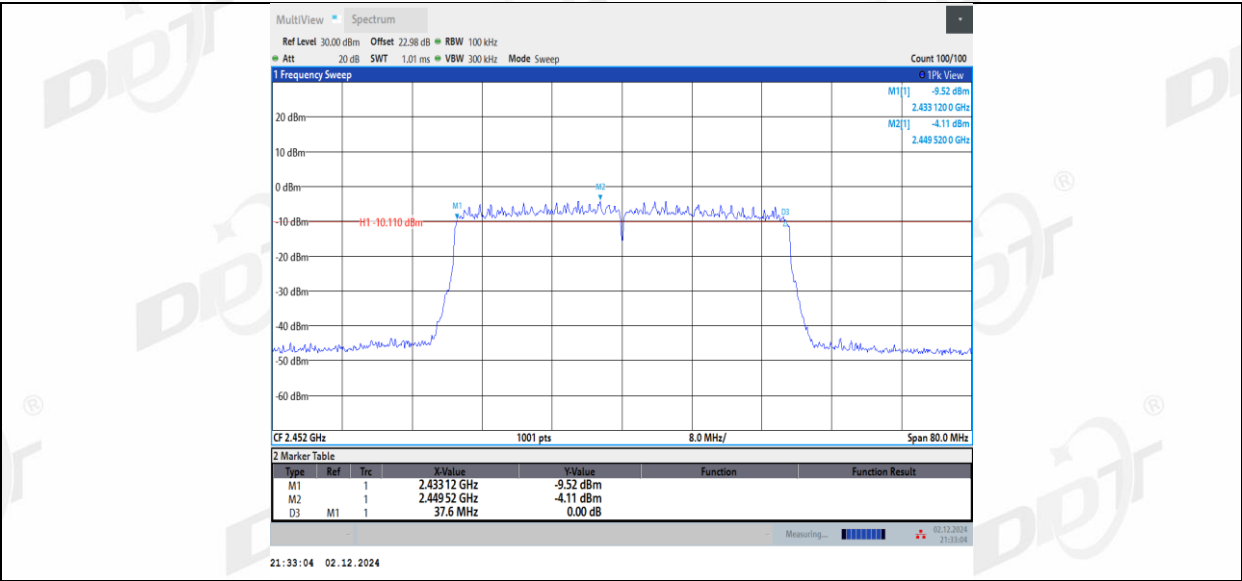
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437

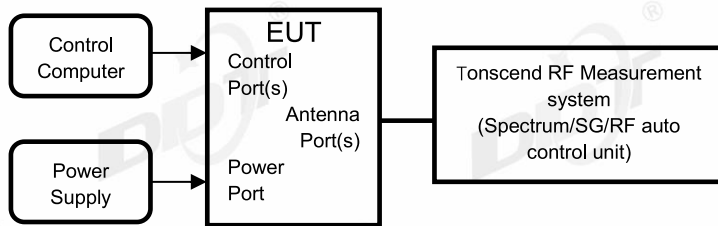


11AX40SISO_Ant1_2452



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 C63.10-2013 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

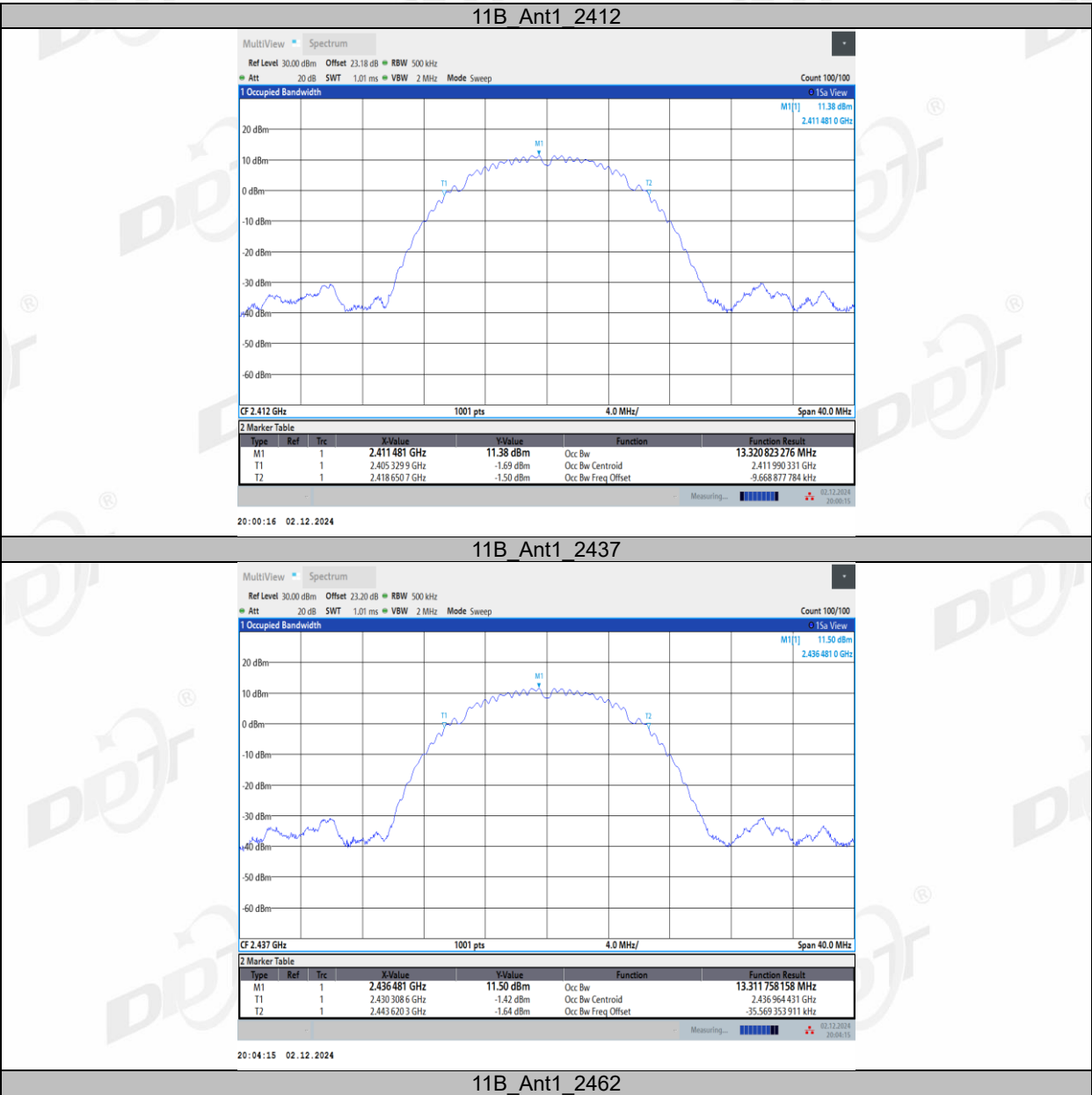
Allow the trace to stabilize, measure the 99% bandwidth of signal, and record the results in the report.

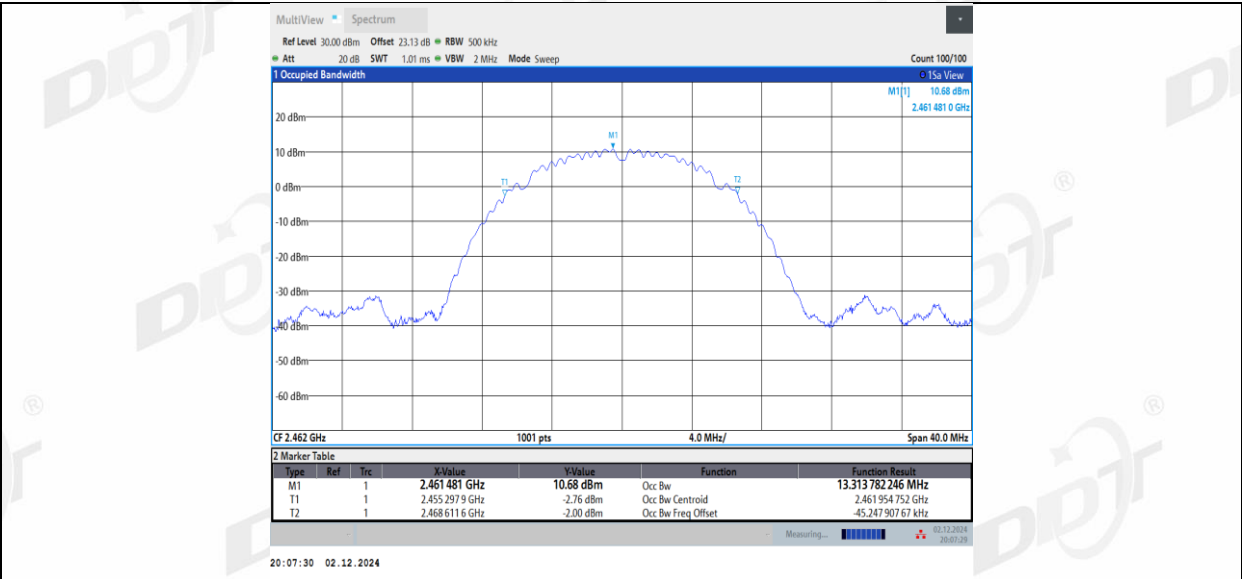
5.4. Test result

Test Engineer:	Zoe	Test Site:	RF Measurement System 4#
Ambient Condition:	26.2℃,45.8%RH	Test Date:	2024.12.03-2024.12.03
Test Power Supply:	DC 5V	Sample Number:	S24101811-002

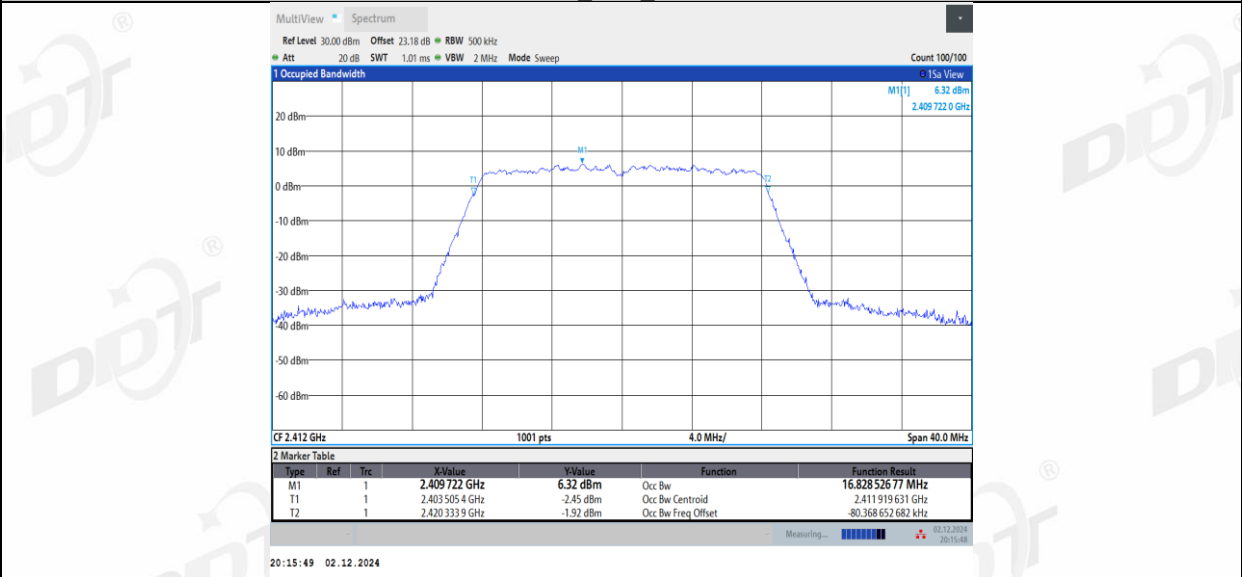
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.321	2405.3299	2418.6507	---	---
		2437	13.312	2430.3086	2443.6203	---	---
		2462	13.314	2455.2979	2468.6116	---	---
11G	Ant1	2412	16.829	2403.5054	2420.3339	---	---
		2437	16.811	2428.5005	2445.3116	---	---
		2462	16.814	2453.5013	2470.3149	---	---
11N20SISO	Ant1	2412	17.669	2403.1412	2420.8100	---	---
		2437	17.666	2428.1272	2445.7934	---	---
		2462	17.673	2453.1158	2470.7887	---	---
11N40SISO	Ant1	2422	35.8	2404.0956	2439.8952	---	---
		2437	35.788	2419.0627	2454.8504	---	---
		2452	35.778	2434.0404	2469.8180	---	---
11AX20SISO	Ant1	2412	18.953	2402.5088	2421.4621	---	---
		2437	18.945	2427.5099	2446.4548	---	---
		2462	18.95	2452.4964	2471.4468	---	---
11AX40SISO	Ant1	2422	37.916	2403.0419	2440.9579	---	---
		2437	37.842	2418.0372	2455.8796	---	---
		2452	37.884	2433.0041	2470.8877	---	---

5.5. Test graphs

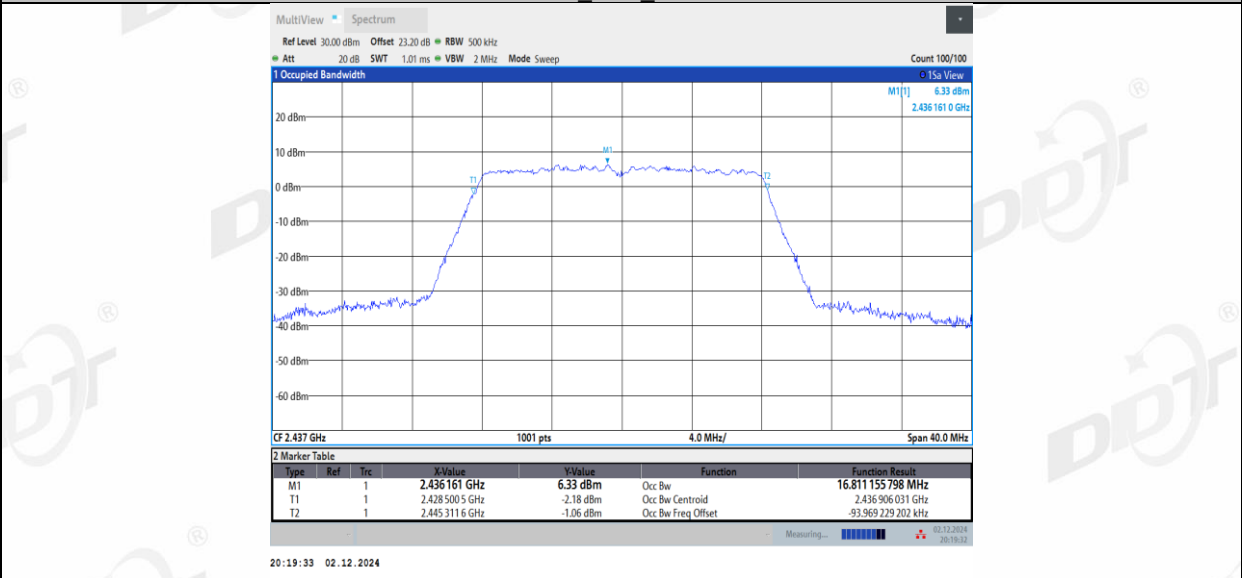




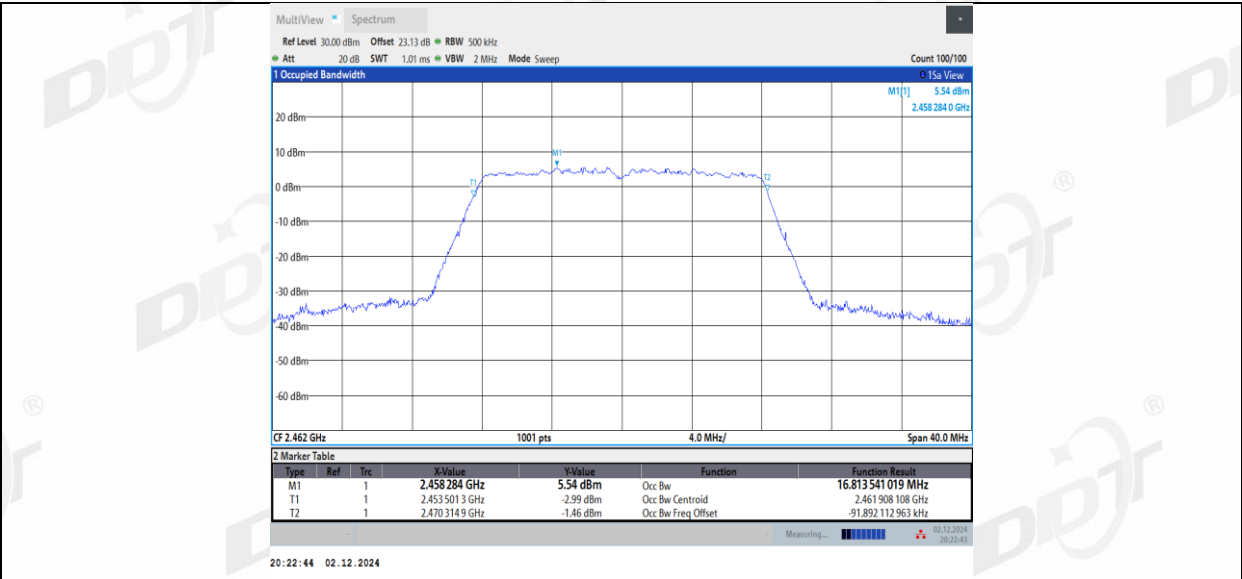
11G_Ant1_2412



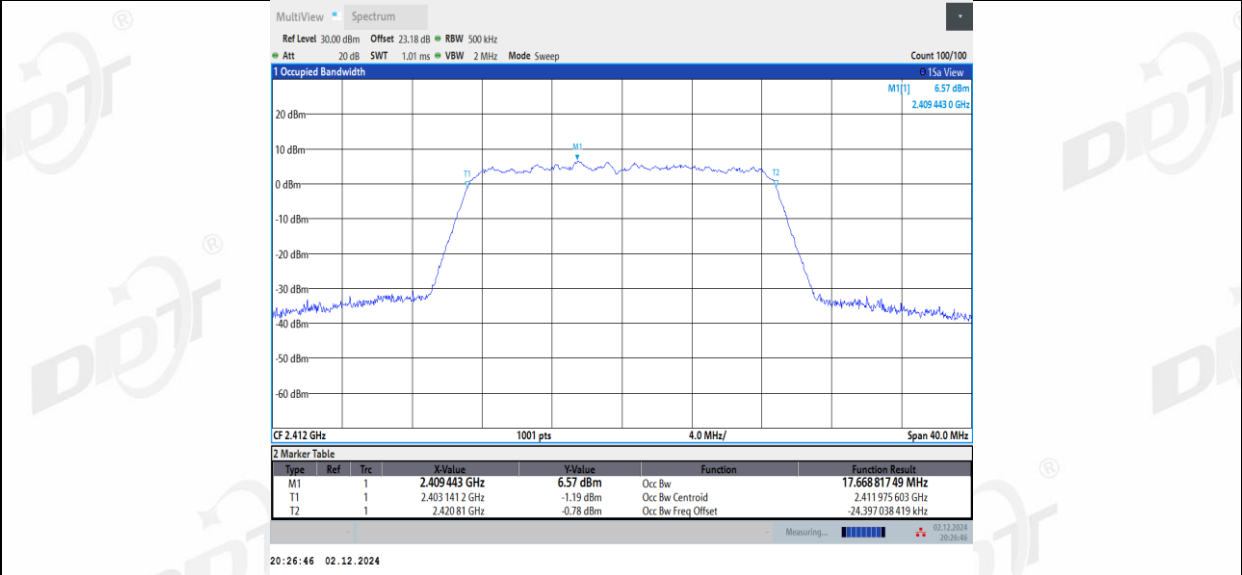
11G_Ant1_2437



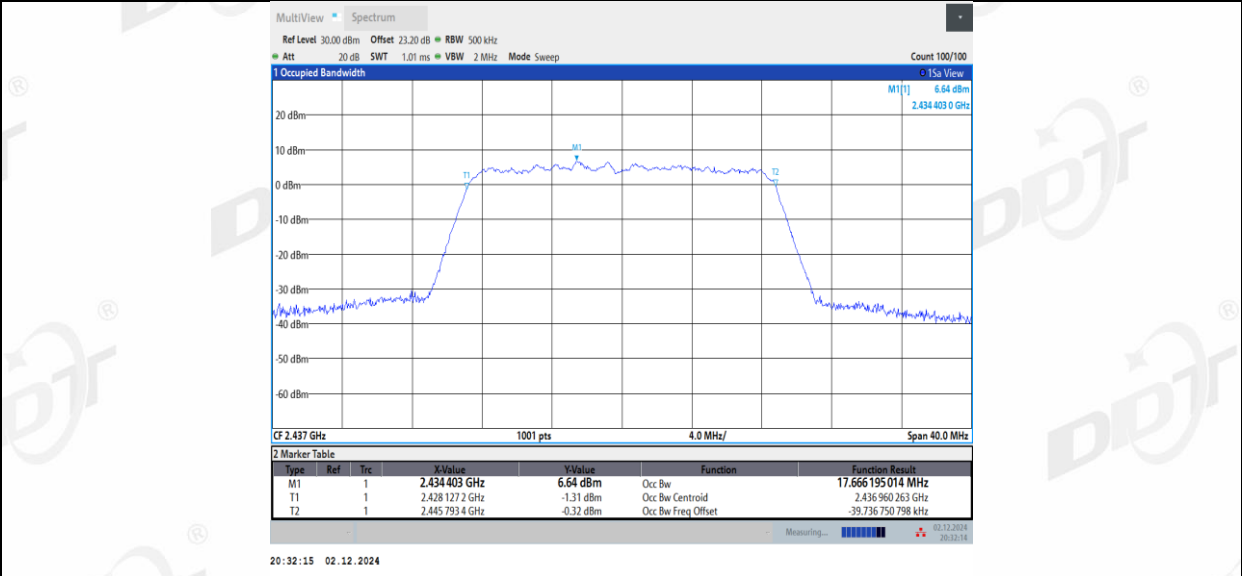
11G_Ant1_2462



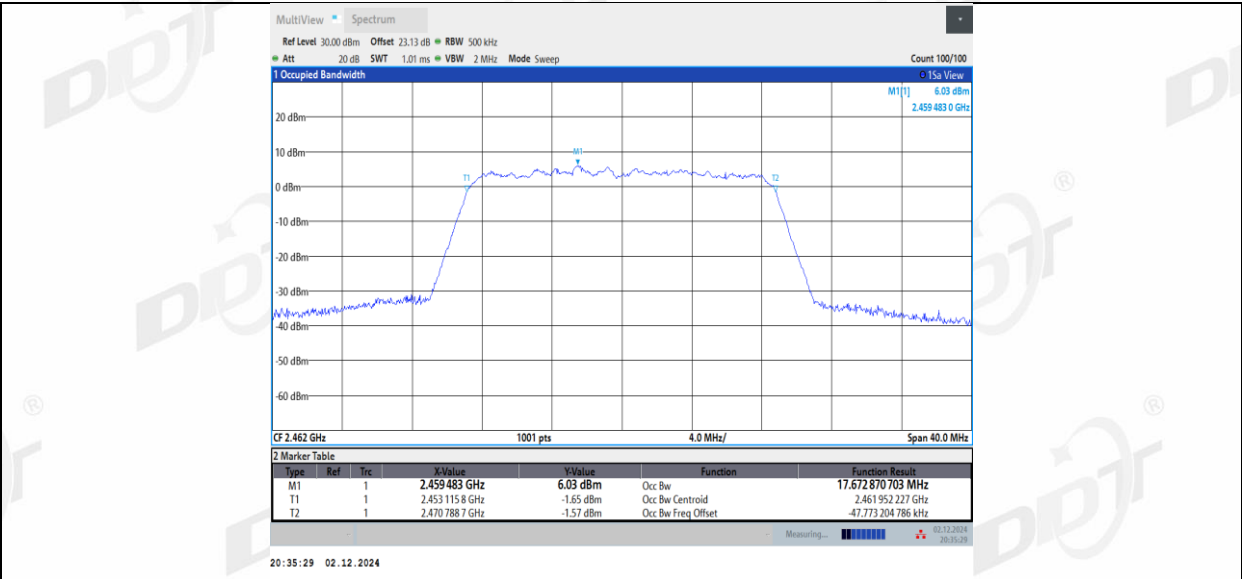
11N20SISO Ant1 2412



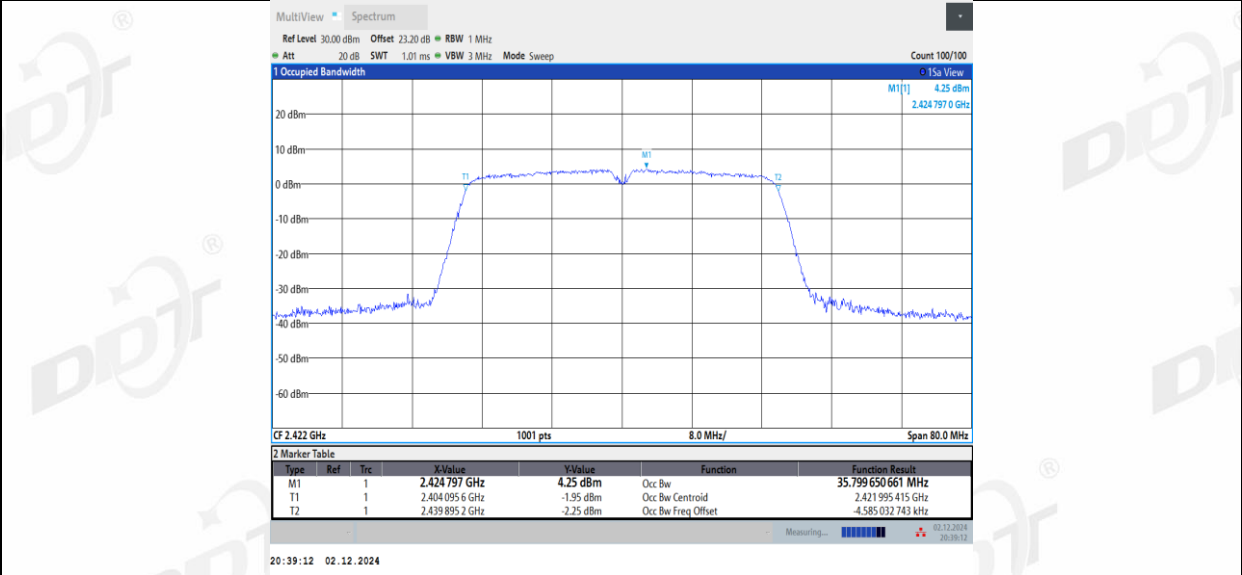
11N20SISO Ant1 2437



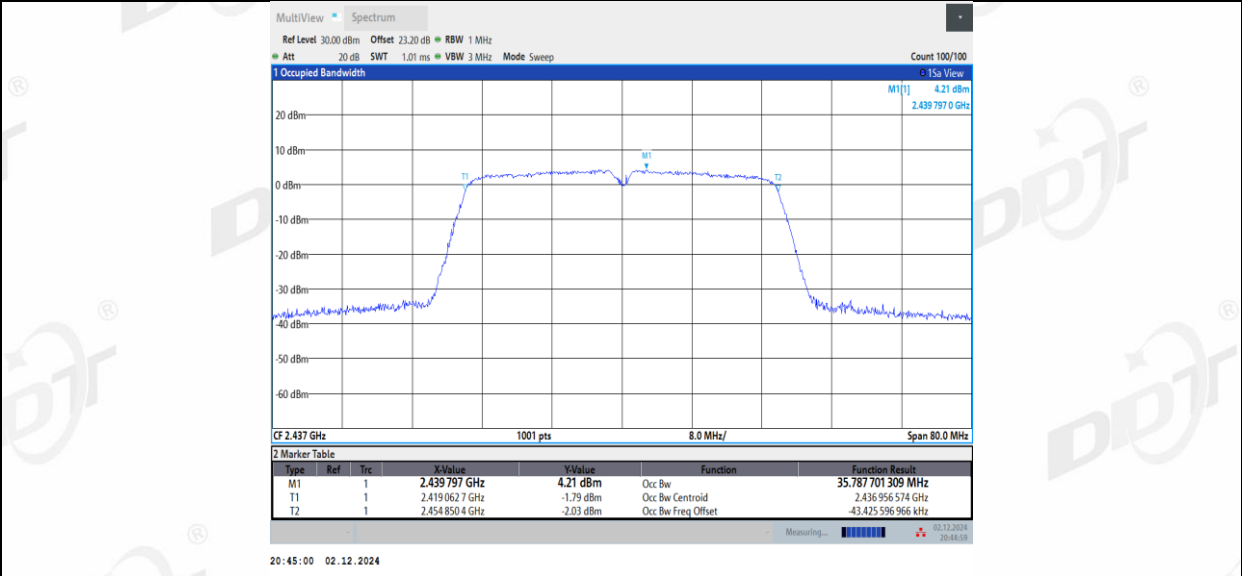
11N20SISO Ant1 2462



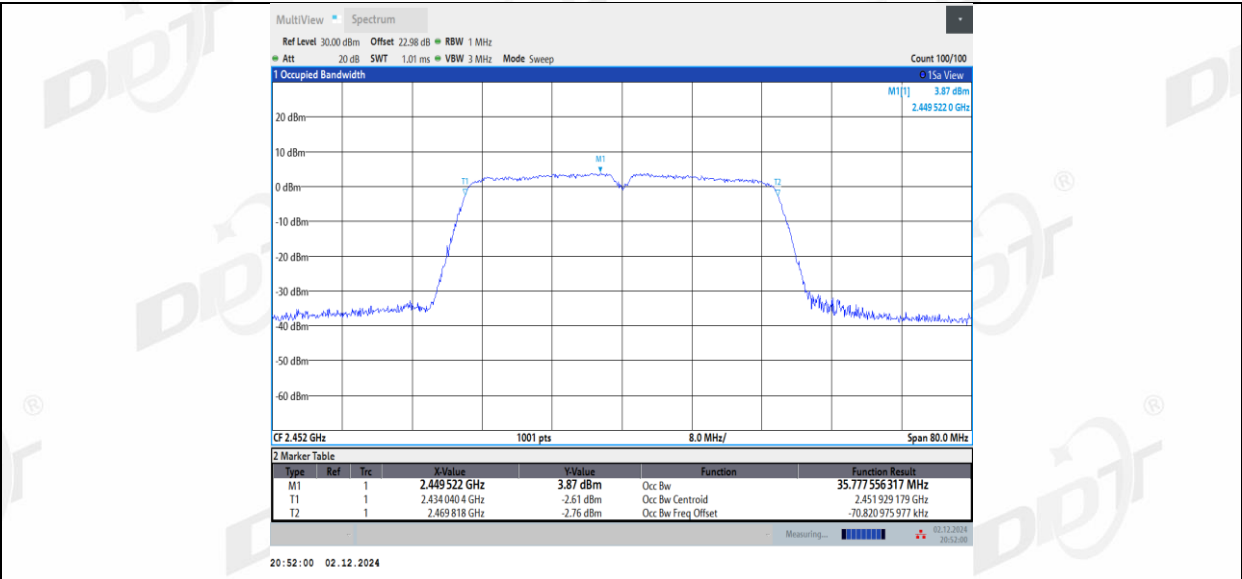
11N40SISO Ant1 2422



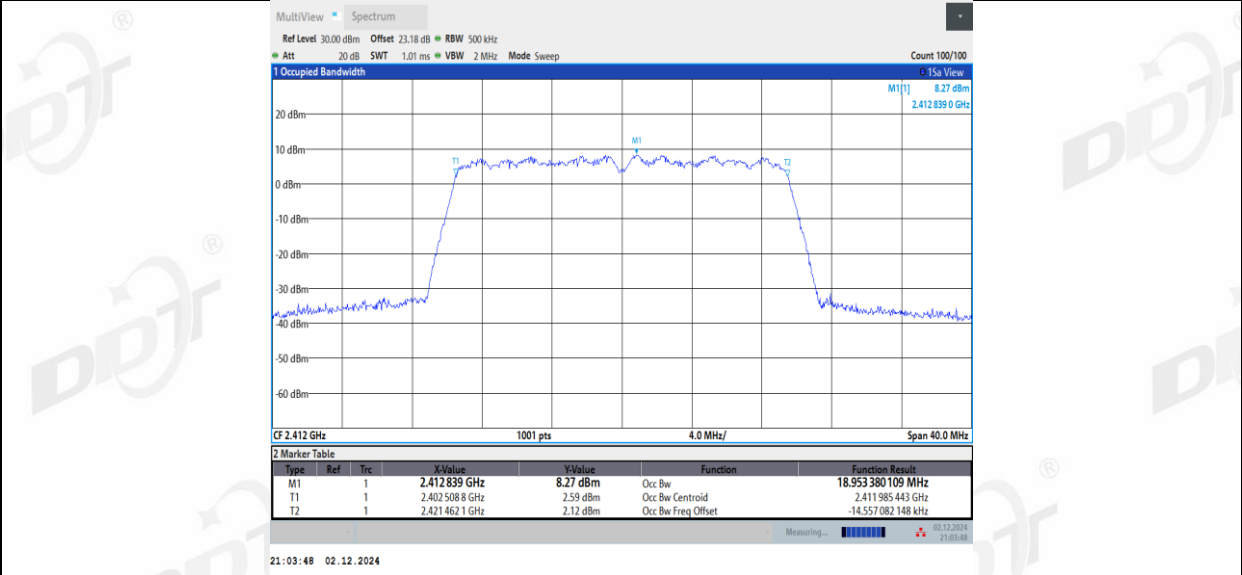
11N40SISO Ant1 2437



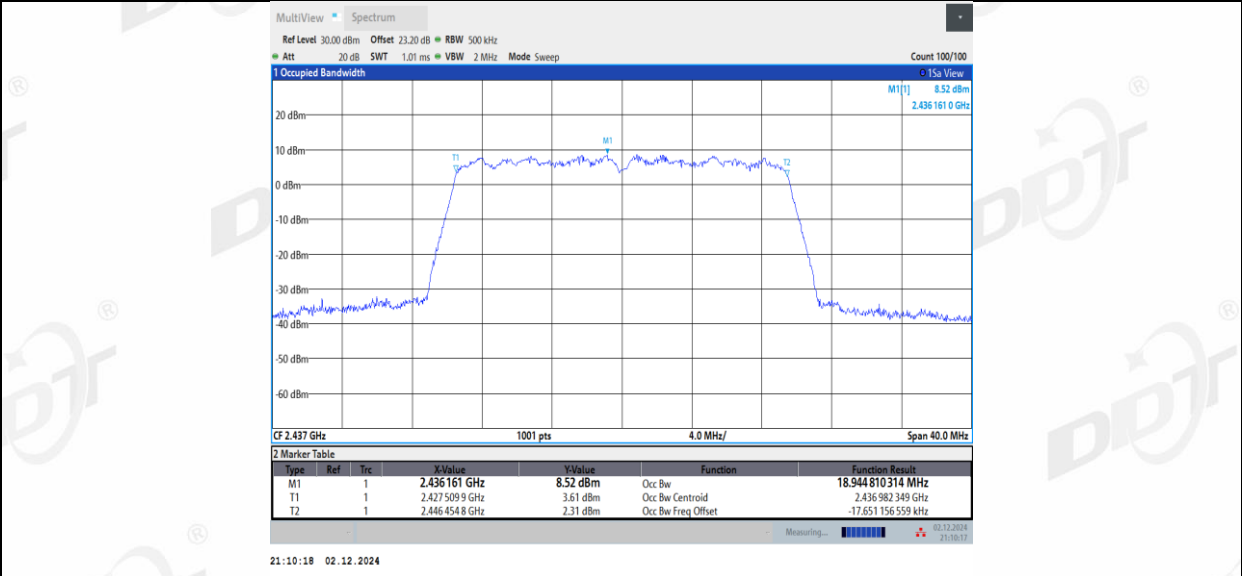
11N40SISO Ant1 2452



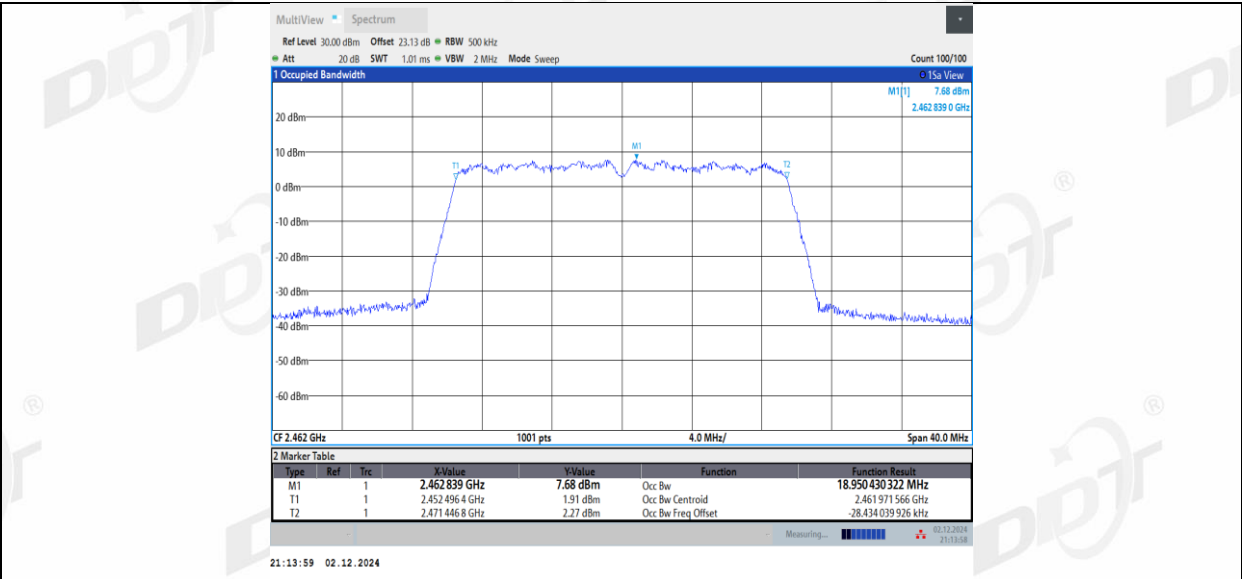
11AX20SISO_Ant1_2412



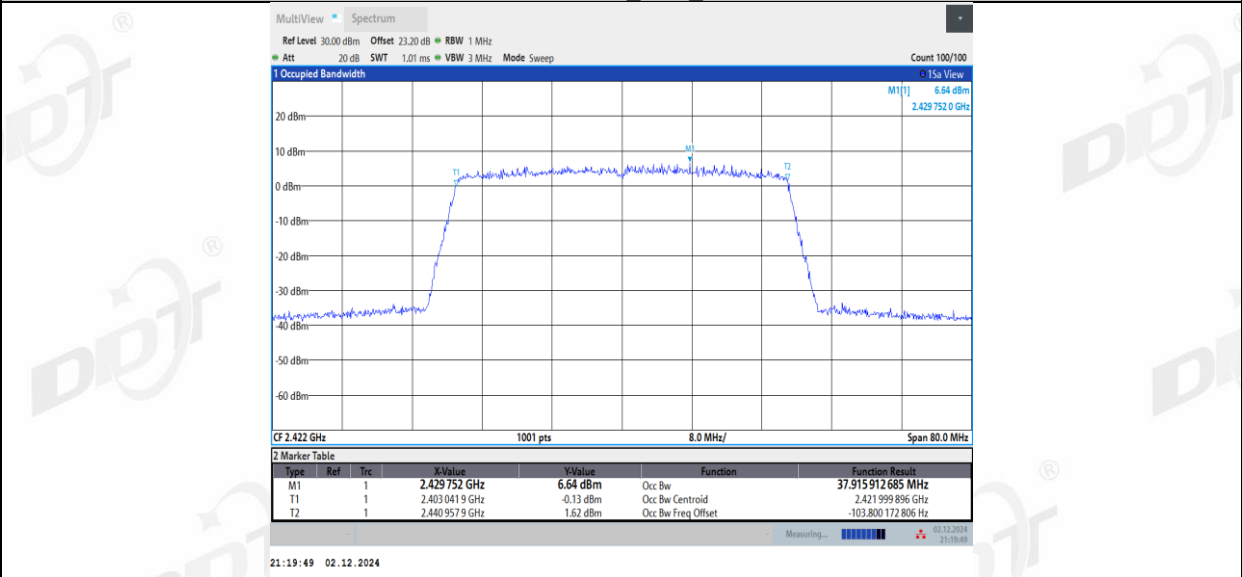
11AX20SISO_Ant1_2437



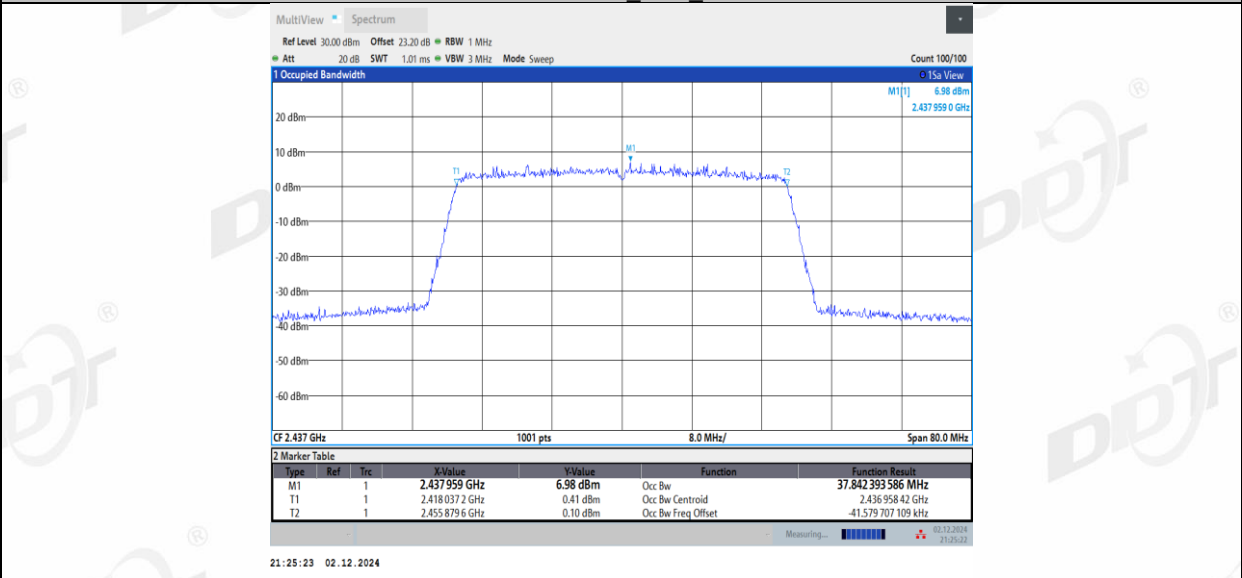
11AX20SISO_Ant1_2462



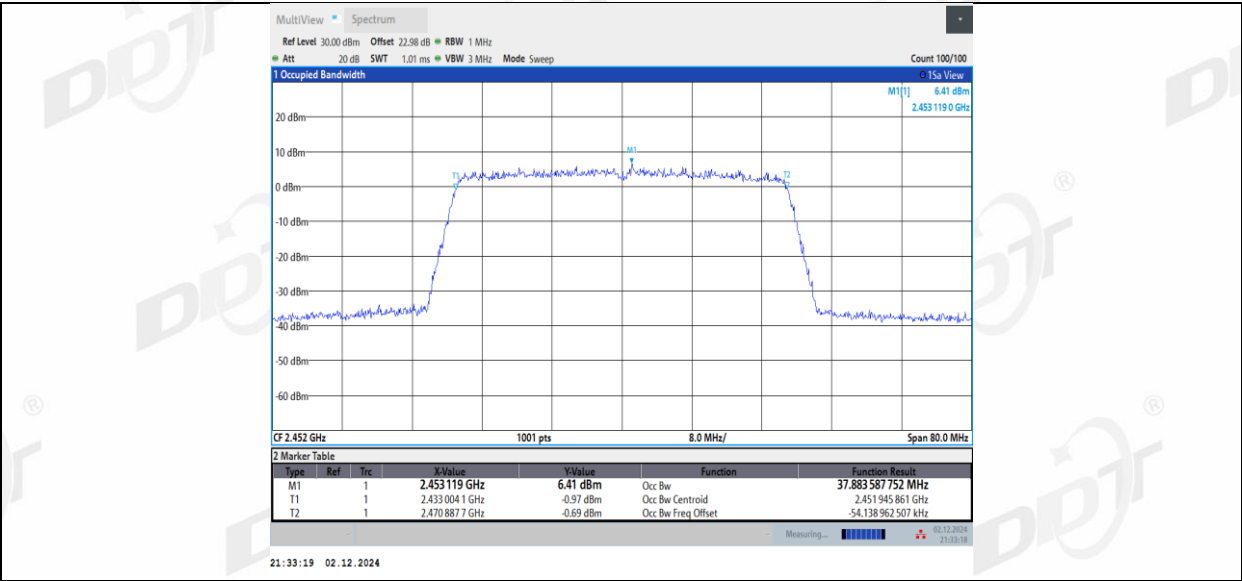
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437

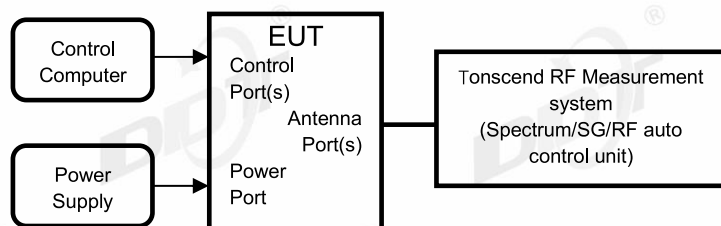


11AX40SISO_Ant1_2452



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:	Zoe	Test Site:	RF Measurement System 4#
Ambient Condition:	26.2℃,45.8%RH	Test Date:	2024.12.03-2024.12.03
Test Power Supply:	DC 5V	Sample Number:	S24101811-002

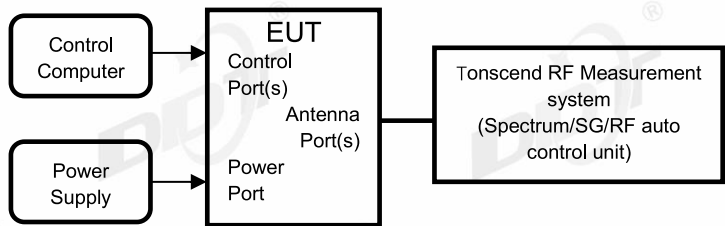
Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	19.79	99.01	0.04	19.83	≤30.00	23.65	≤36.00	PASS
		2437	19.73	99.01	0.04	19.77	≤30.00	23.59	≤36.00	PASS
		2462	18.98	99.01	0.04	19.02	≤30.00	22.84	≤36.00	PASS
11G	Ant1	2412	12.76	98.08	0.08	12.84	≤30.00	16.66	≤36.00	PASS
		2437	12.70	98.04	0.09	12.79	≤30.00	16.61	≤36.00	PASS
		2462	11.98	98.04	0.09	12.07	≤30.00	15.89	≤36.00	PASS
11N20SISO	Ant1	2412	12.63	98.08	0.08	12.71	≤30.00	16.53	≤36.00	PASS
		2437	12.57	98.08	0.08	12.65	≤30.00	16.47	≤36.00	PASS
		2462	11.84	98.08	0.08	11.92	≤30.00	15.74	≤36.00	PASS
11N40SISO	Ant1	2422	10.62	96.30	0.16	10.78	≤30.00	14.6	≤36.00	PASS
		2437	10.54	96.30	0.16	10.70	≤30.00	14.52	≤36.00	PASS
		2452	10.29	96.30	0.16	10.45	≤30.00	14.27	≤36.00	PASS
11AX20SISO	Ant1	2412	12.48	99.74	0.01	12.49	≤30.00	16.31	≤36.00	PASS
		2437	12.50	99.74	0.01	12.51	≤30.00	16.33	≤36.00	PASS
		2462	11.72	100.00	0.00	11.72	≤30.00	15.54	≤36.00	PASS
11AX40SISO	Ant1	2422	10.74	99.74	0.01	10.75	≤30.00	14.57	≤36.00	PASS
		2437	10.68	99.75	0.01	10.69	≤30.00	14.51	≤36.00	PASS
		2452	10.46	99.75	0.01	10.47	≤30.00	14.29	≤36.00	PASS

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

Test Mode	Antenna	Frequency[MHz]	Ru Size	Ru Index	Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20MIMO	Ant1	2412	26Tone	RU0	11.09	≤30.00	14.91	≤36.00	PASS
				RU4	12.18	≤30.00	16	≤36.00	PASS
				RU8	11.02	≤30.00	14.84	≤36.00	PASS
			52Tone	RU37	11.41	≤30.00	15.23	≤36.00	PASS
				RU39	12.00	≤30.00	15.82	≤36.00	PASS
				RU40	11.48	≤30.00	15.3	≤36.00	PASS
		2437	106Tone	RU53	12.14	≤30.00	15.96	≤36.00	PASS
				RU54	12.21	≤30.00	16.03	≤36.00	PASS
				RU0	11.13	≤30.00	14.95	≤36.00	PASS
			26Tone	RU4	12.21	≤30.00	16.03	≤36.00	PASS
				RU8	11.06	≤30.00	14.88	≤36.00	PASS
				RU37	11.43	≤30.00	15.25	≤36.00	PASS
		2462	52Tone	RU39	12.02	≤30.00	15.84	≤36.00	PASS
				RU40	11.34	≤30.00	15.16	≤36.00	PASS
				RU53	12.17	≤30.00	15.99	≤36.00	PASS
			106Tone	RU54	12.08	≤30.00	15.9	≤36.00	PASS
				RU0	10.49	≤30.00	14.31	≤36.00	PASS
				RU4	11.49	≤30.00	15.31	≤36.00	PASS
11AX40MIMO	Ant1	2422	242Tone	RU8	10.32	≤30.00	14.14	≤36.00	PASS
				RU37	10.91	≤30.00	14.73	≤36.00	PASS
				RU39	11.29	≤30.00	15.11	≤36.00	PASS
				RU40	10.76	≤30.00	14.58	≤36.00	PASS
		2437	242Tone	RU53	11.55	≤30.00	15.37	≤36.00	PASS
				RU54	11.41	≤30.00	15.23	≤36.00	PASS
				RU61	12.43	≤30.00	16.25	≤36.00	PASS
				RU62	12.52	≤30.00	16.34	≤36.00	PASS
		2452	242Tone	RU61	12.48	≤30.00	16.3	≤36.00	PASS
				RU62	12.35	≤30.00	16.17	≤36.00	PASS
				RU61	12.41	≤30.00	16.23	≤36.00	PASS
				RU62	12.01	≤30.00	15.83	≤36.00	PASS

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:	$3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$
VBW:	$\geq 3\text{RBW}$
Span	1.5 times the DTS bandwidth
Detector Mode:	RMS
Sweep time:	auto
Trace mode	max hold
	Employ trace averaging (rms)
Trace	mode over a minimum of 100 traces.

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

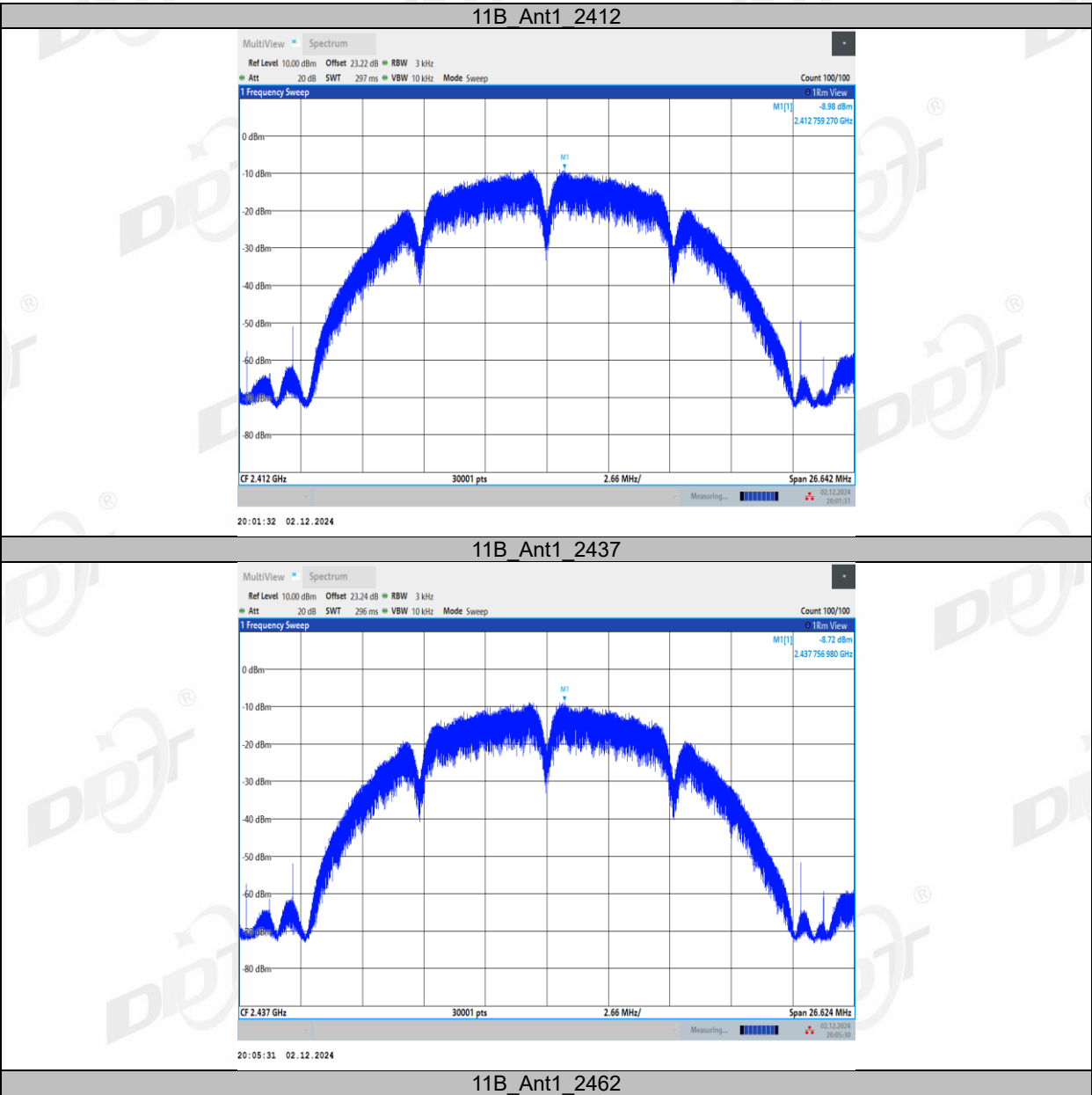
7.4. Test result

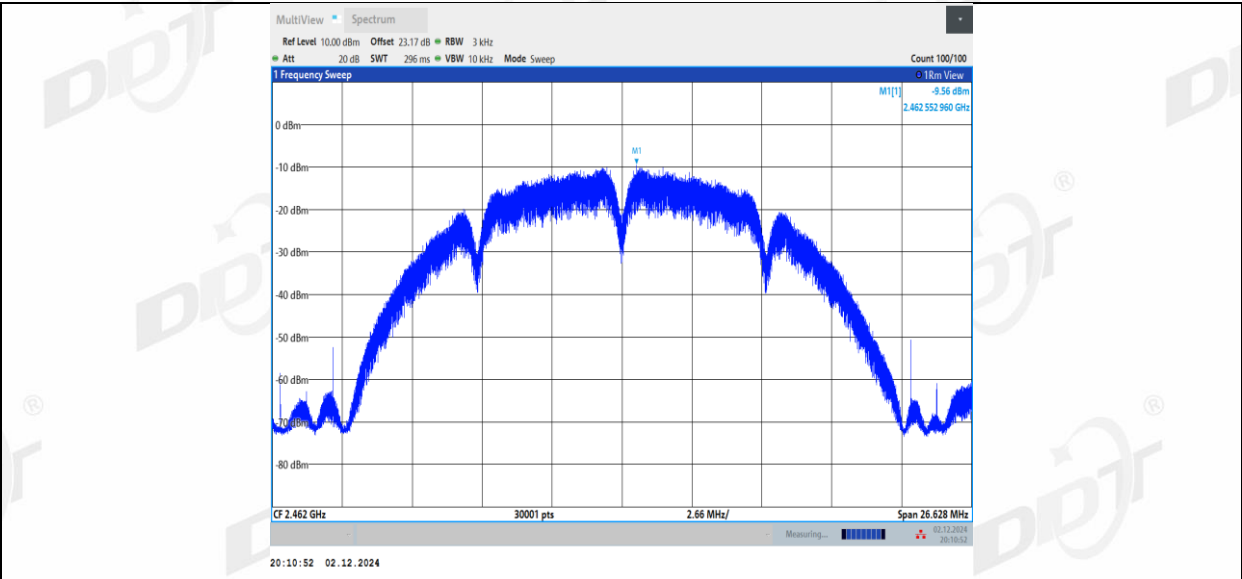
Test Engineer:	Zoe	Test Site:	RF Measurement System 4#
Ambient Condition:	26.2℃,45.8%RH	Test Date:	2024.12.03-2024.12.03
Test Power Supply:	DC 5V	Sample Number:	S24101811-002

Test Mode	Antenna	Frequency [MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.98	≤8.00	PASS
		2437	-8.72	≤8.00	PASS
		2462	-9.56	≤8.00	PASS
11G	Ant1	2412	-20.18	≤8.00	PASS
		2437	-19.61	≤8.00	PASS
		2462	-20.66	≤8.00	PASS
11N20SISO	Ant1	2412	-19.89	≤8.00	PASS
		2437	-19.87	≤8.00	PASS
		2462	-20.18	≤8.00	PASS
11N40SISO	Ant1	2422	-22.19	≤8.00	PASS
		2437	-22.49	≤8.00	PASS
		2452	-22.57	≤8.00	PASS
11AX20SISO	Ant1	2412	-22.26	≤8.00	PASS
		2437	-22.06	≤8.00	PASS
		2462	-22.66	≤8.00	PASS
11AX40SISO	Ant1	2422	-26.53	≤8.00	PASS
		2437	-26.64	≤8.00	PASS
		2452	-27.52	≤8.00	PASS

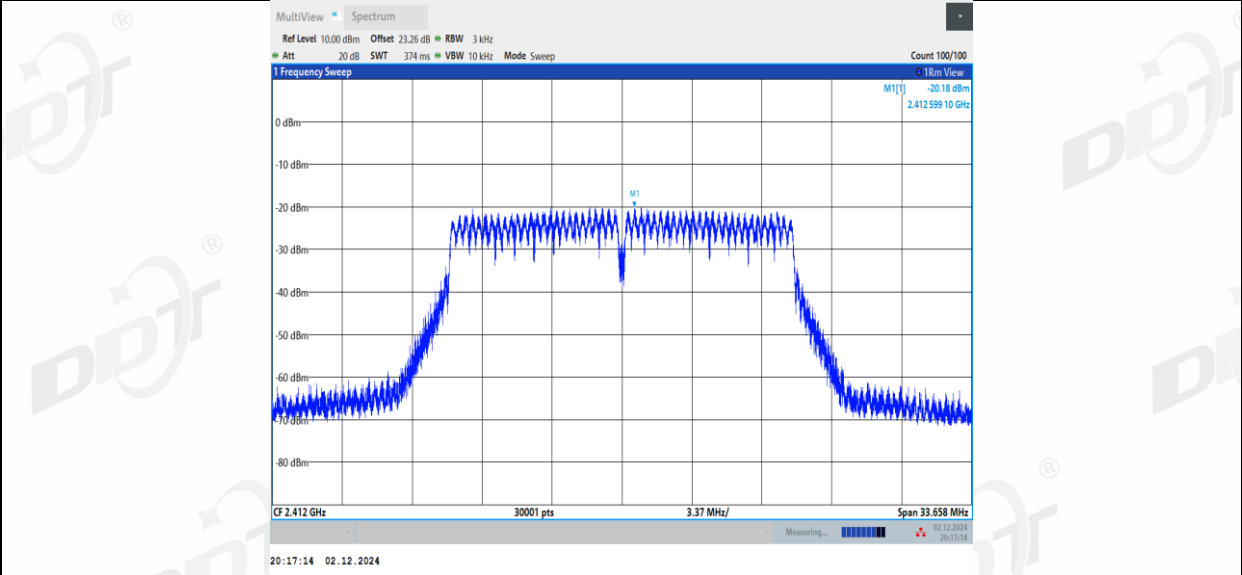
Note: The Duty Cycle Factor is compensated in the graph.

7.5. Test graphs

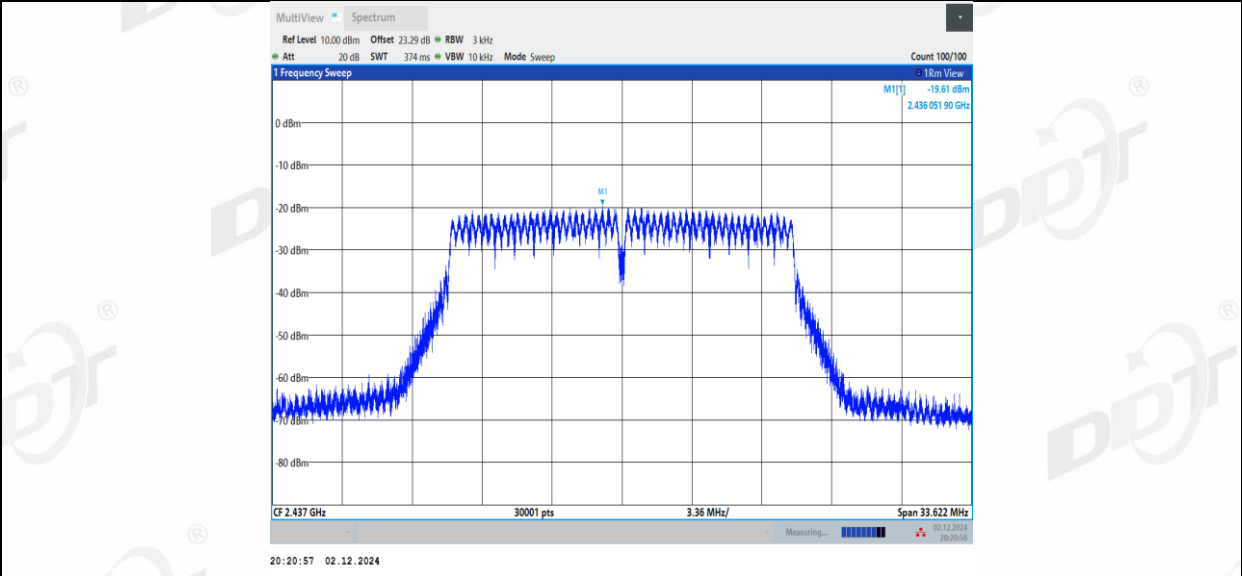




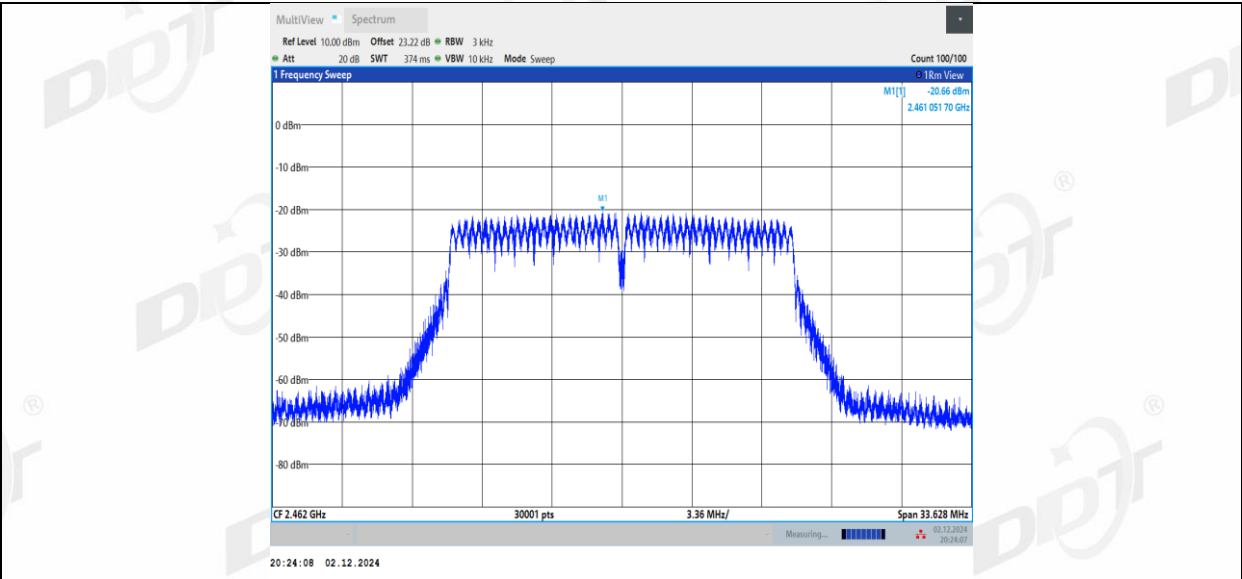
11G_Ant1_2412



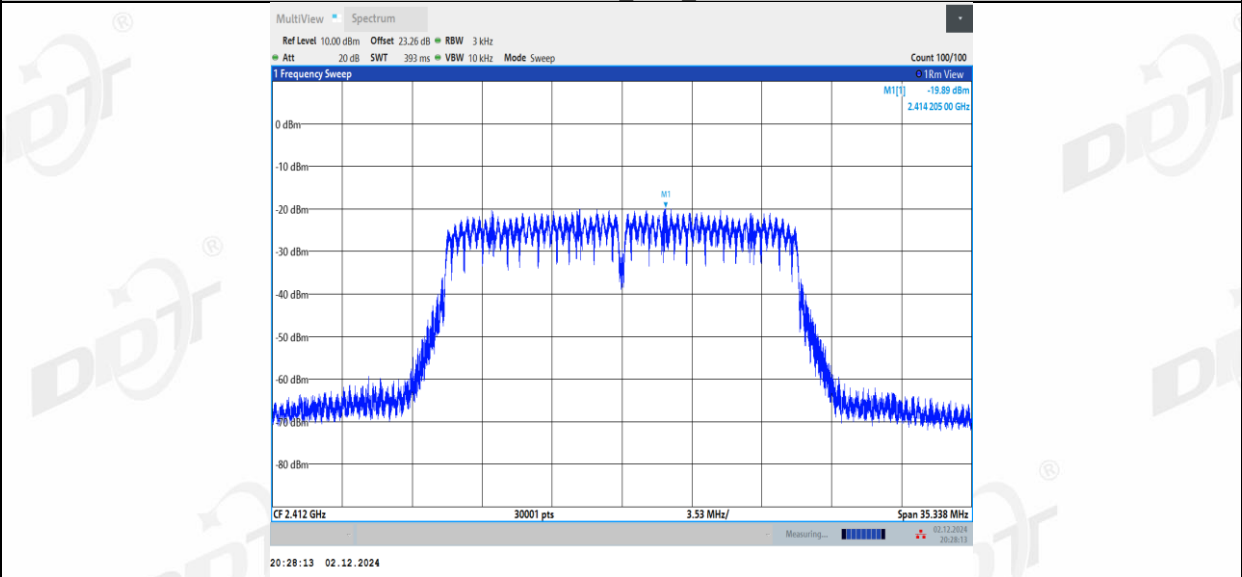
11G_Ant1_2437



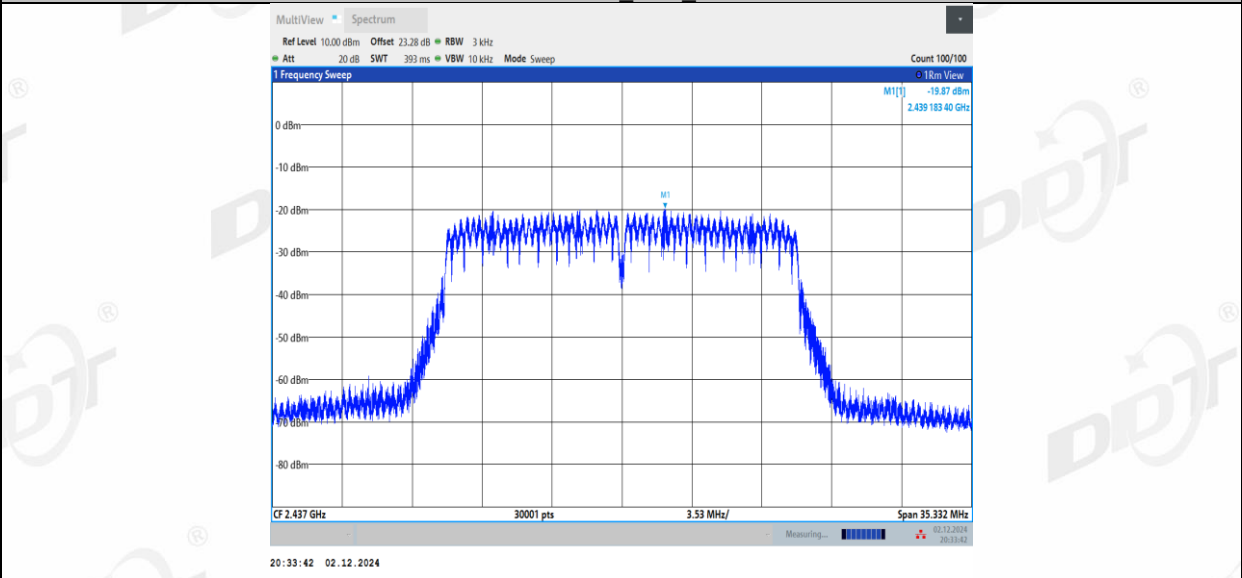
11G_Ant1_2462



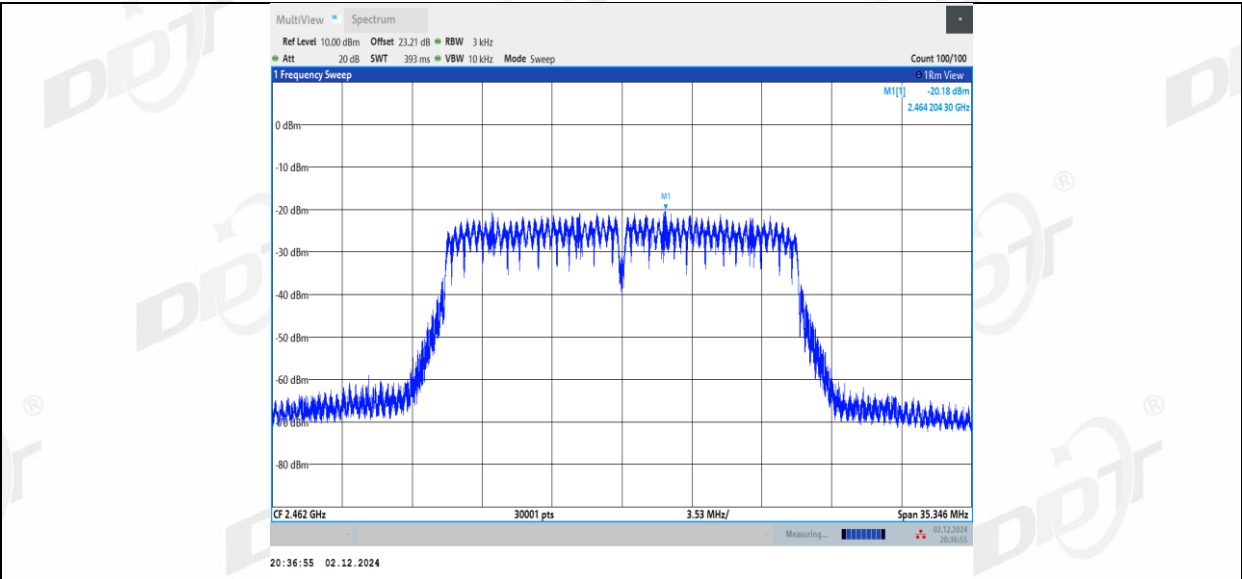
11N20SISO Ant1 2412



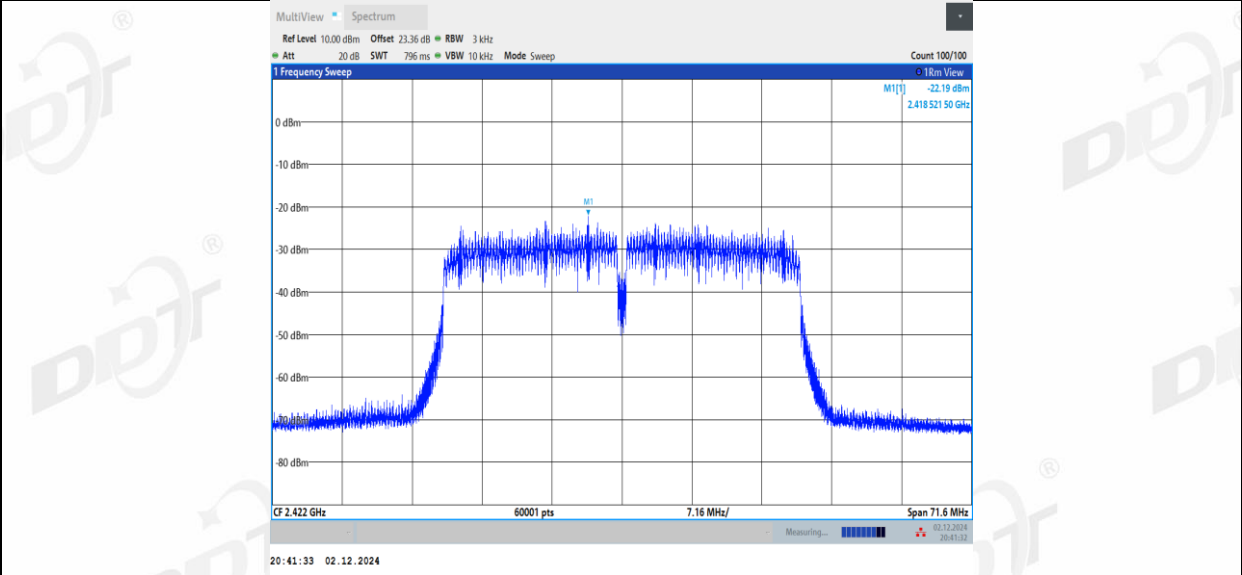
11N20SISO Ant1 2437



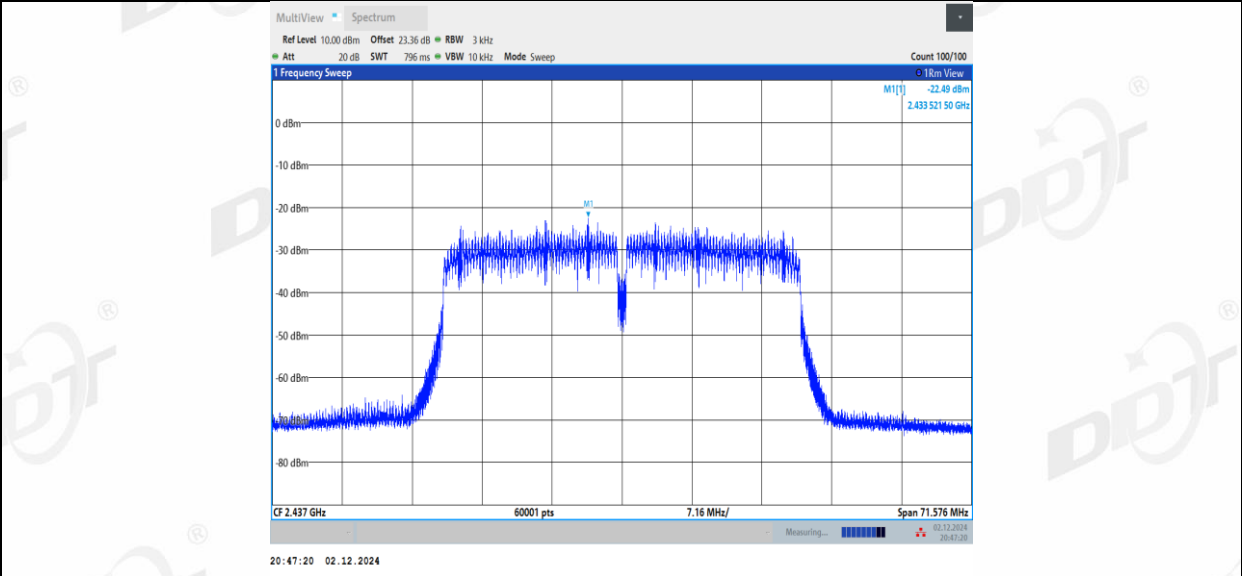
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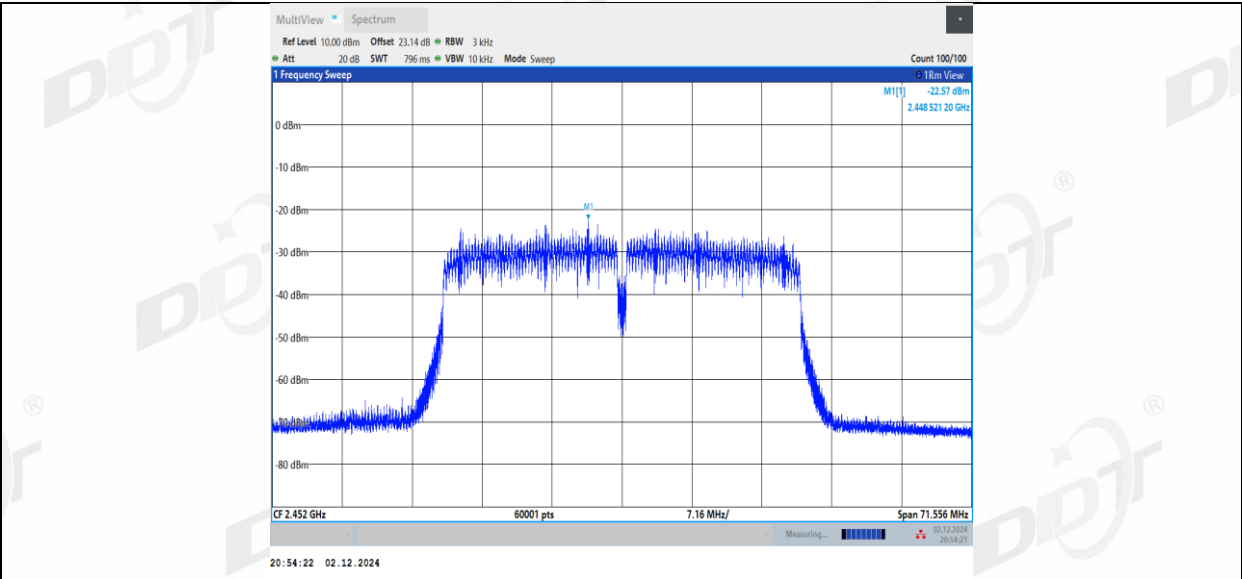
11N40SISO Ant1 2422



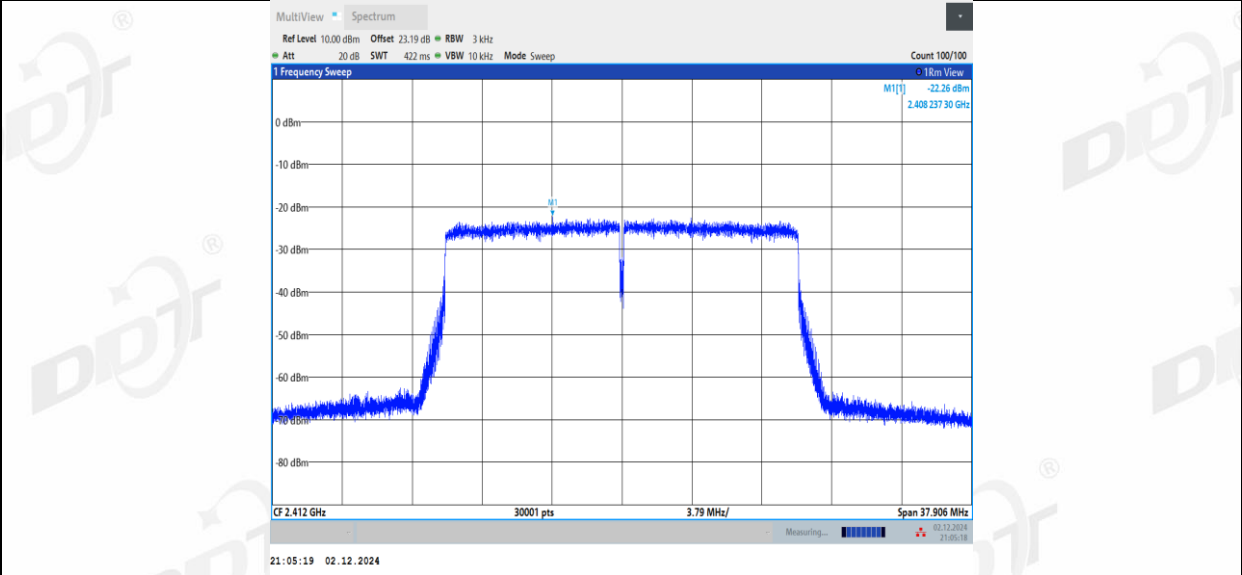
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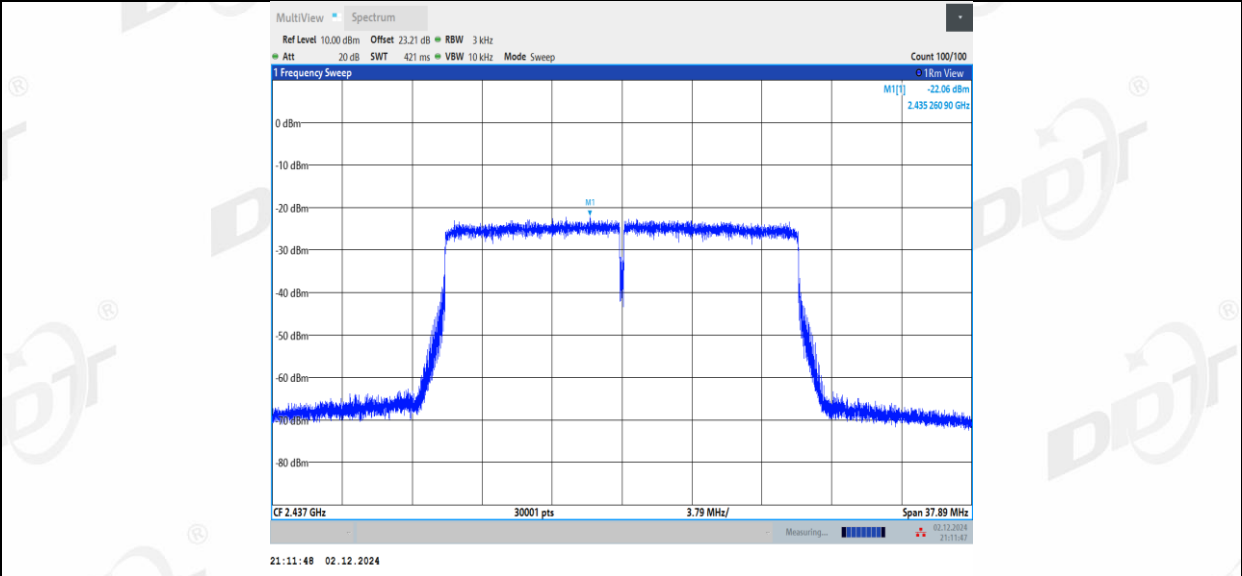
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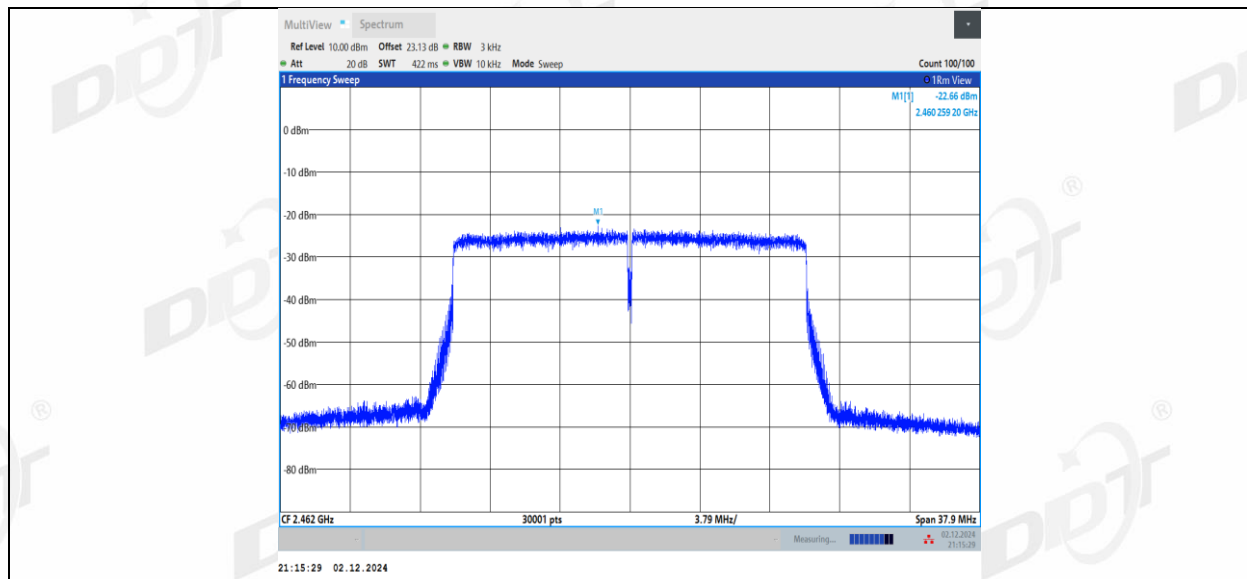
11AX20SISO_Ant1_2412



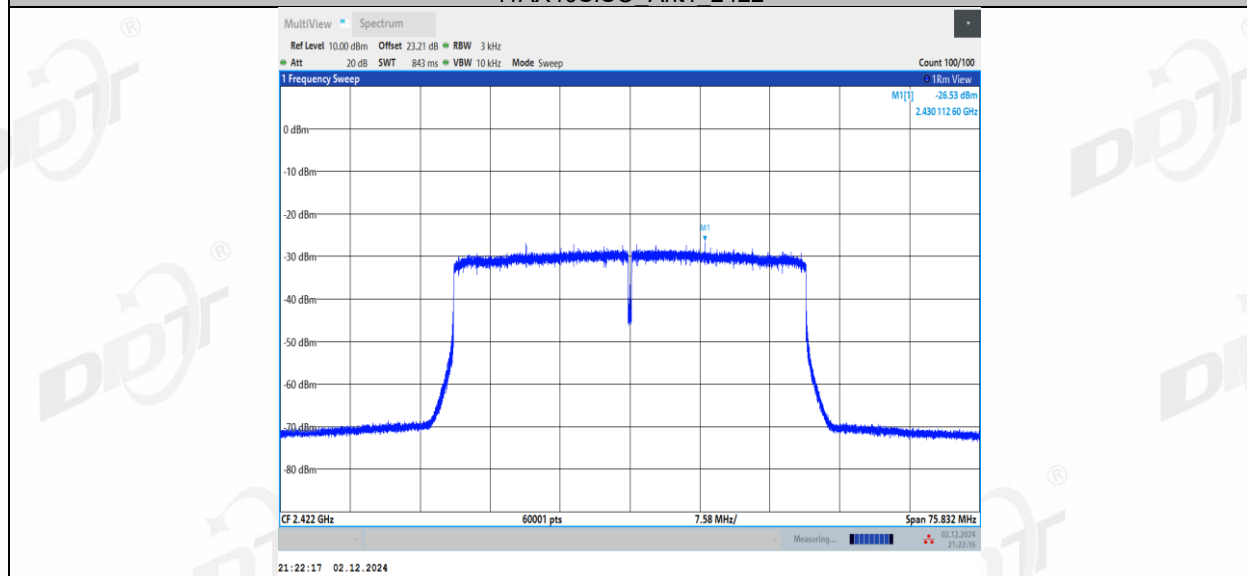
11AX20SISO_Ant1_2437



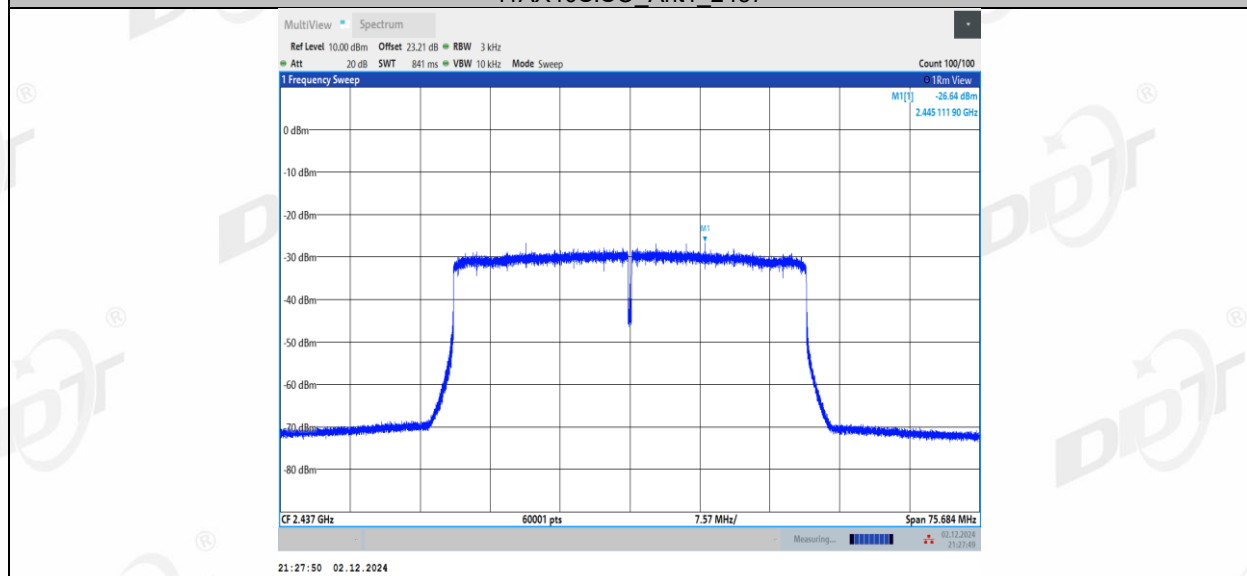
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO Ant1 2452