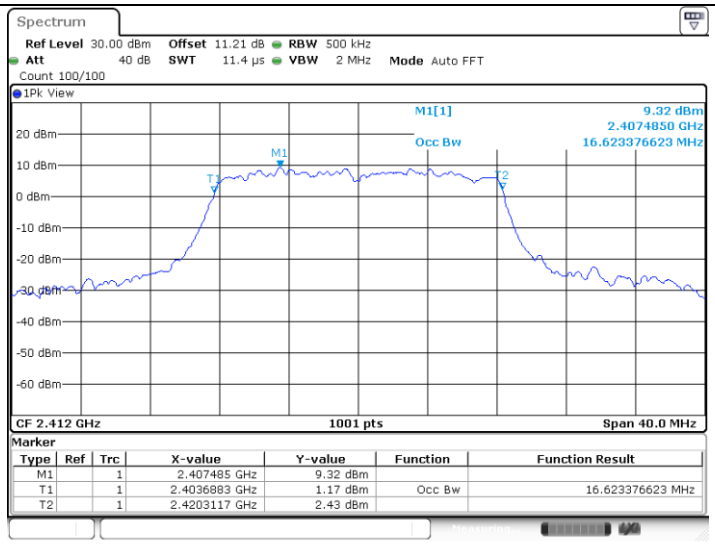

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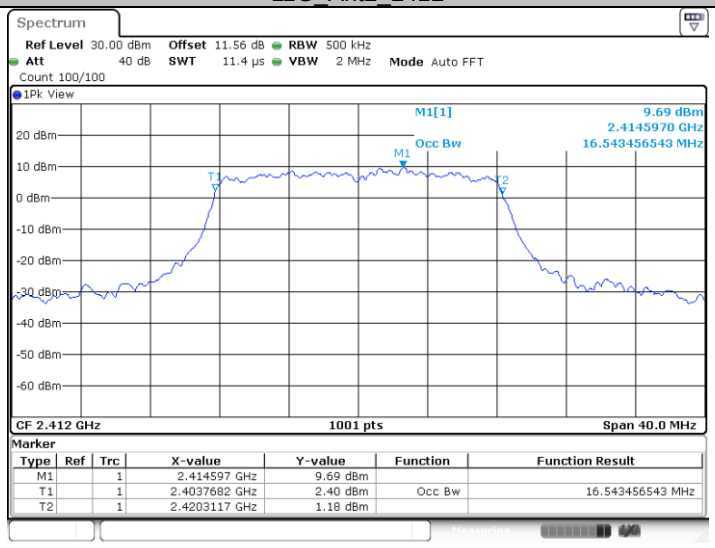

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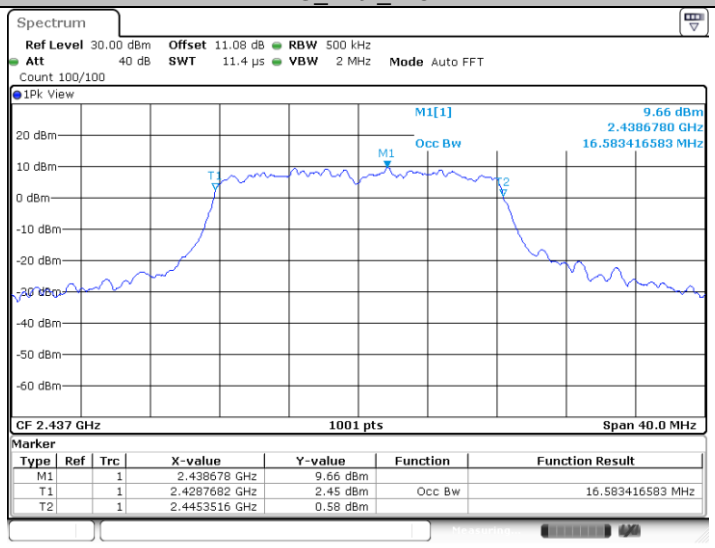

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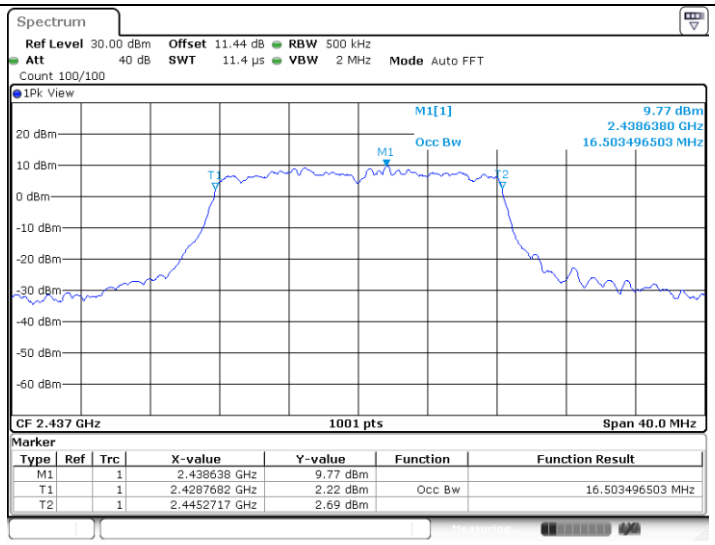
For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



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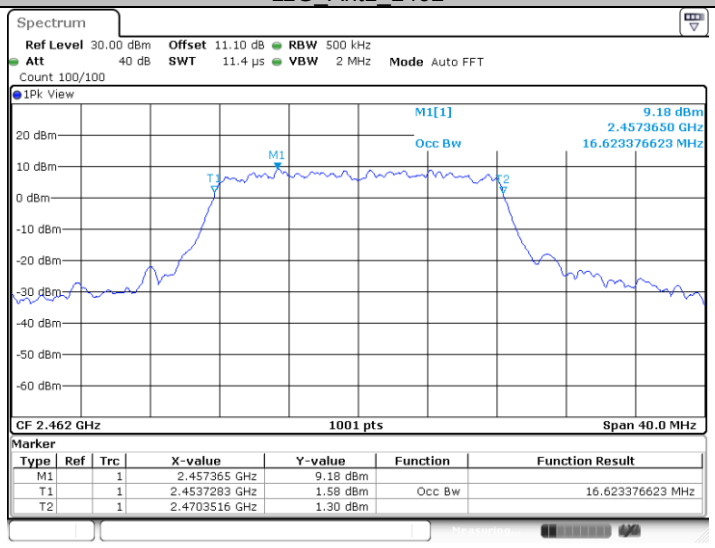

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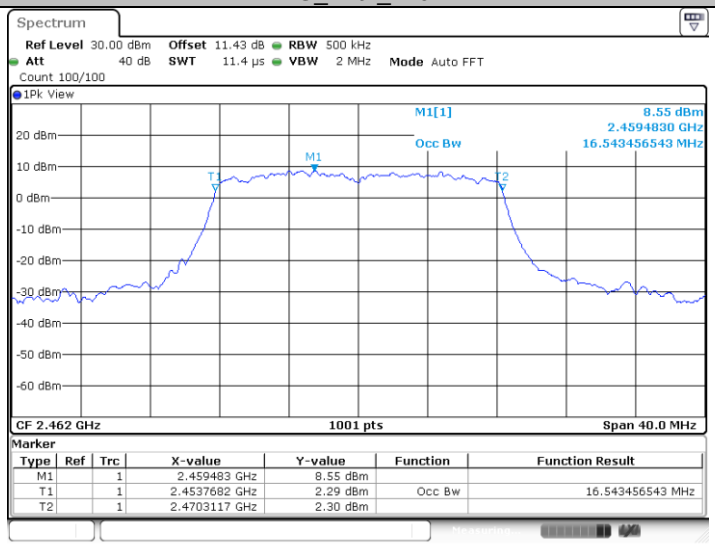

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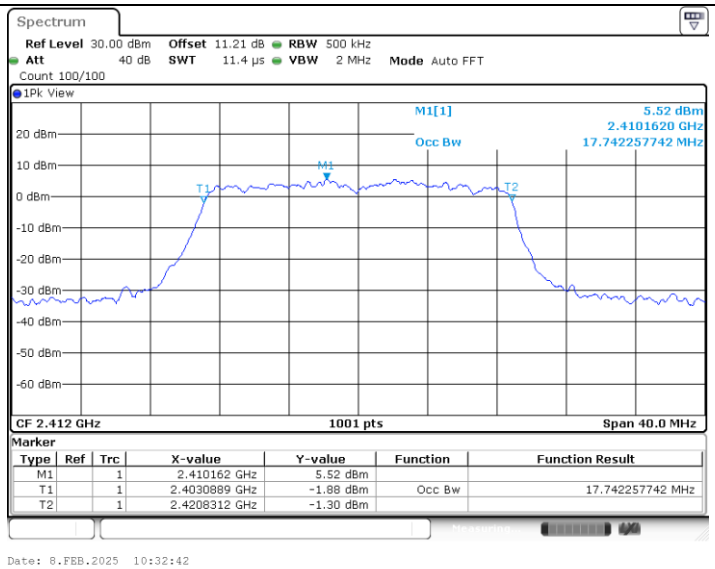

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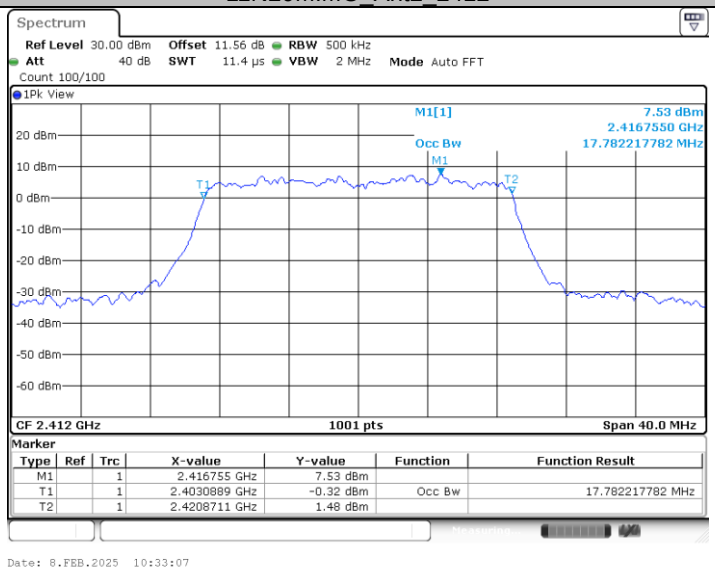

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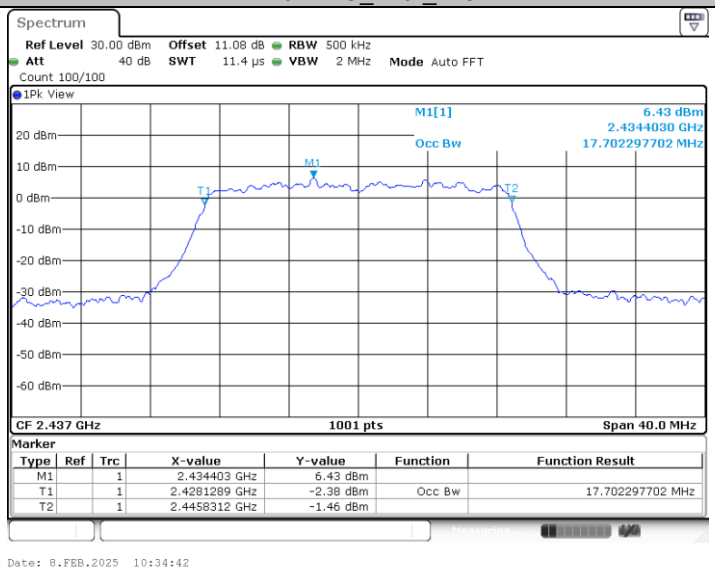

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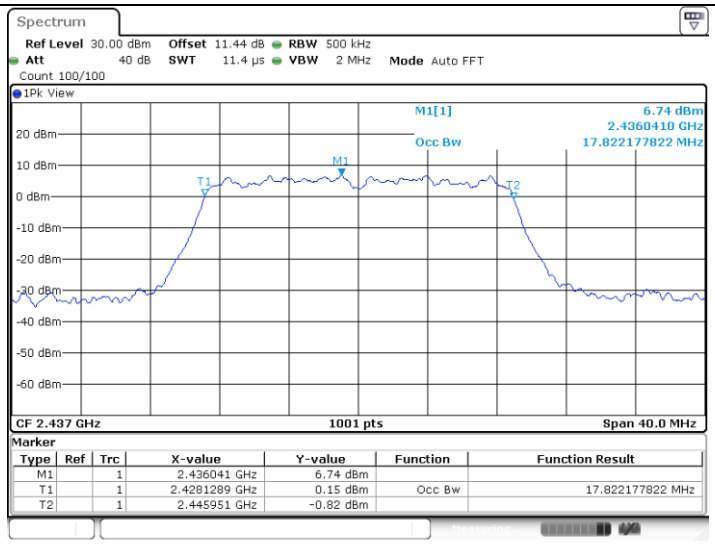

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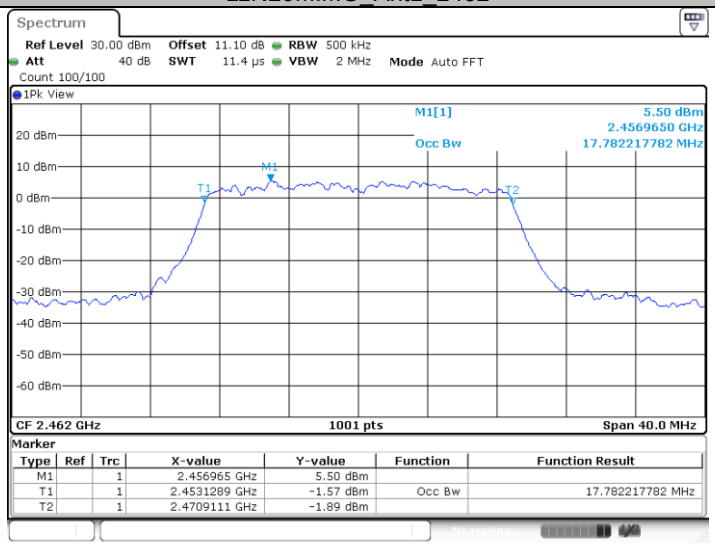

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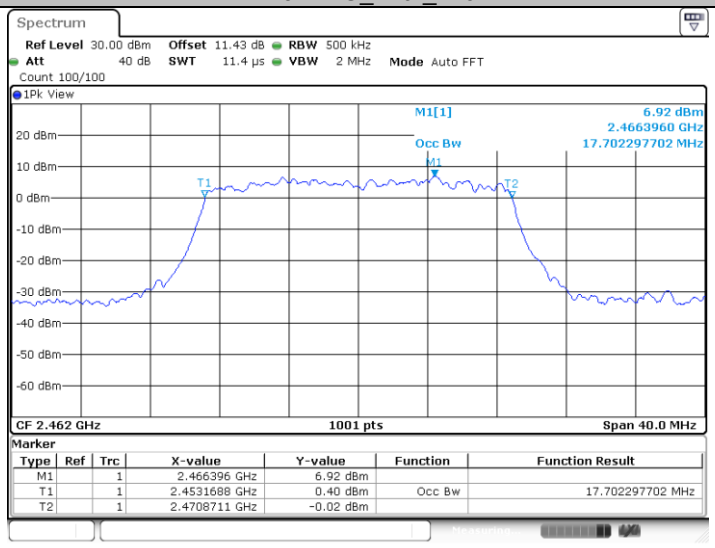

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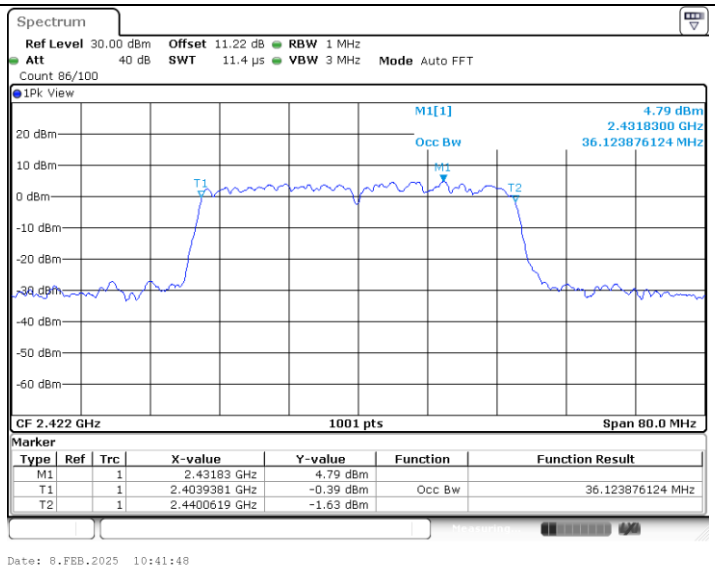

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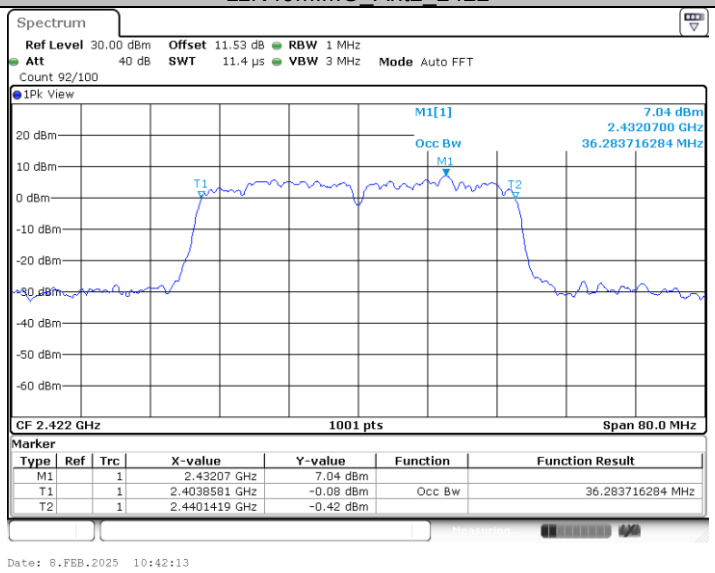

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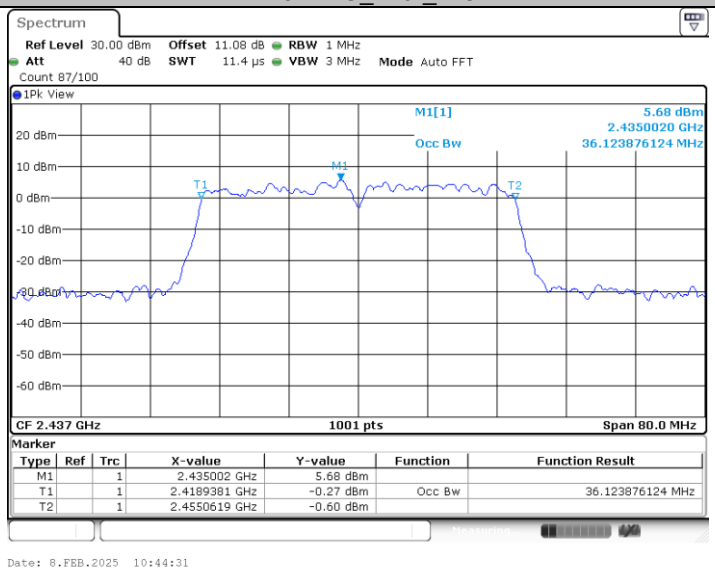

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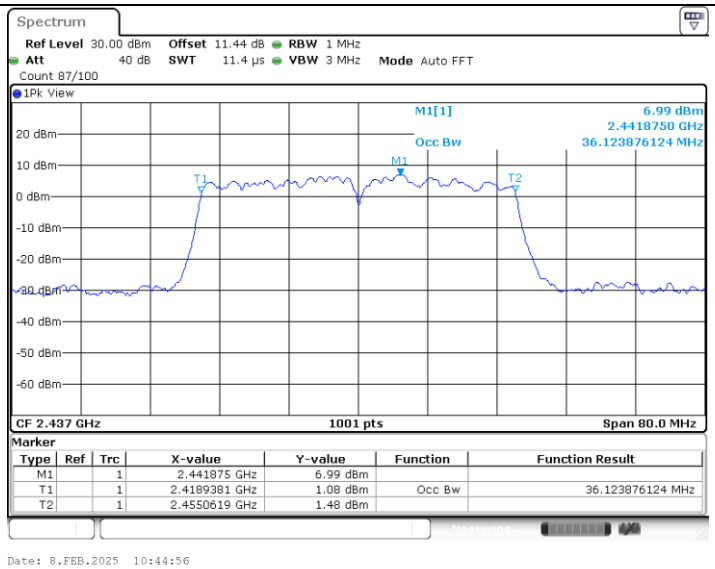

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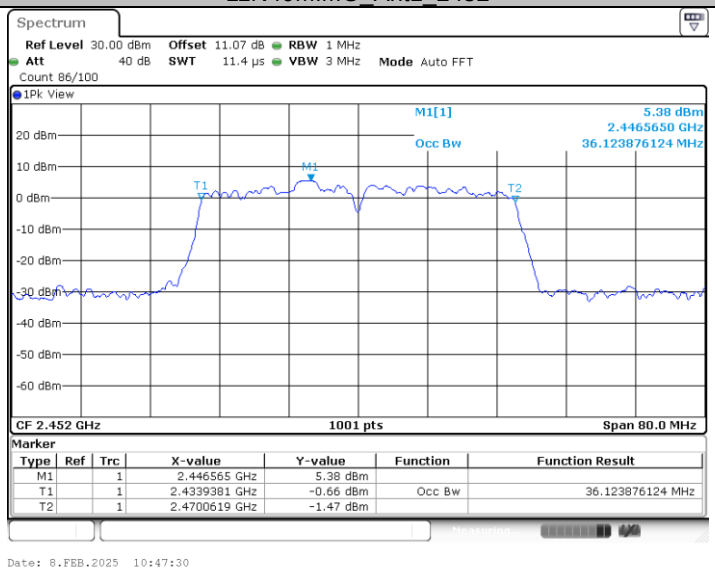

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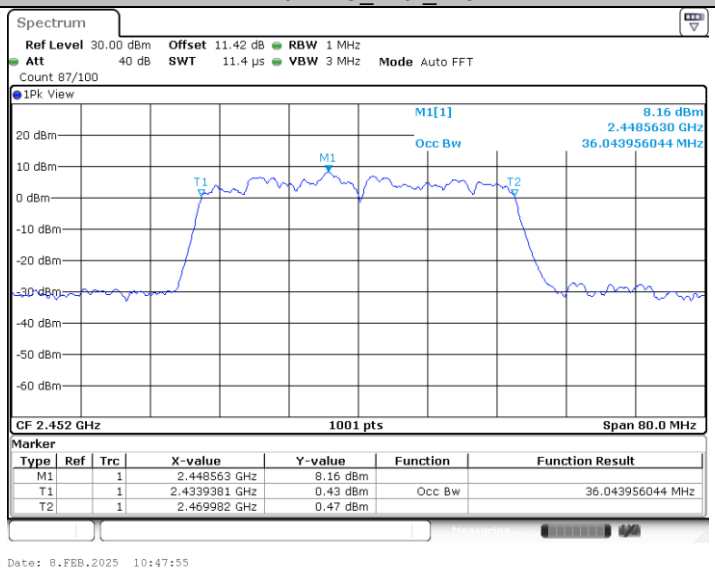

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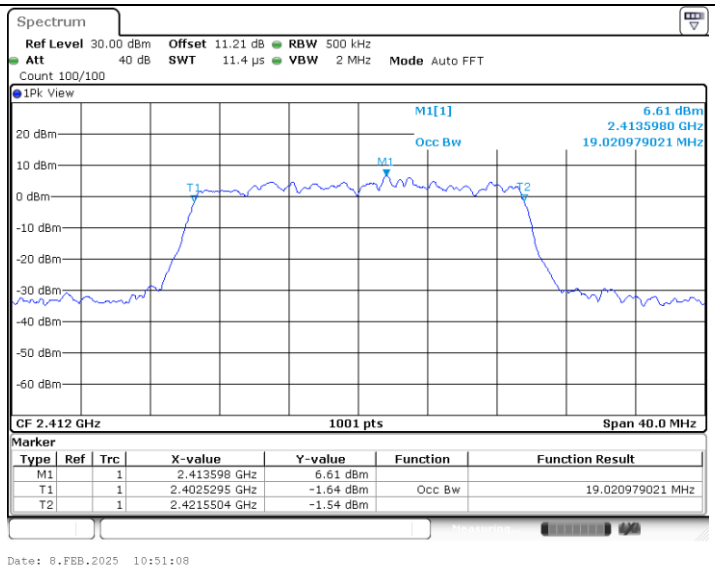

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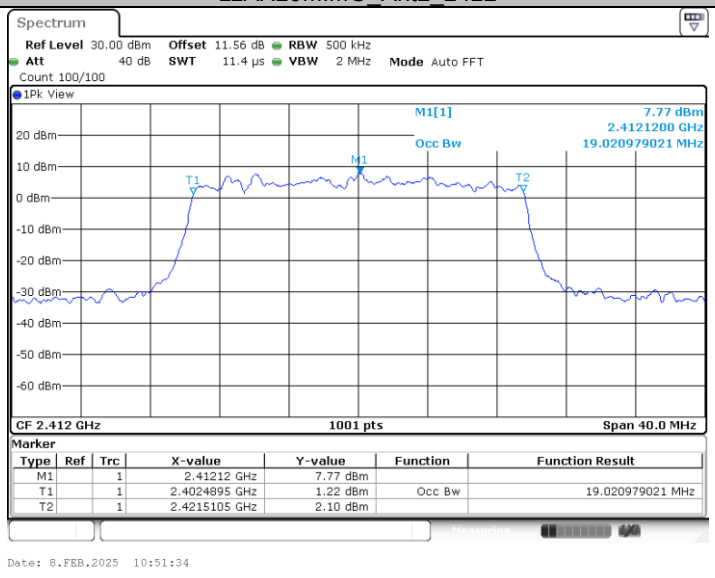

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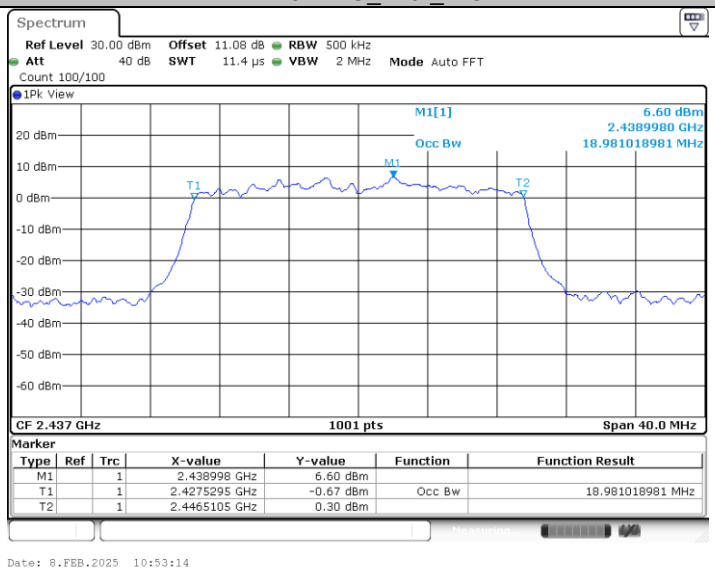

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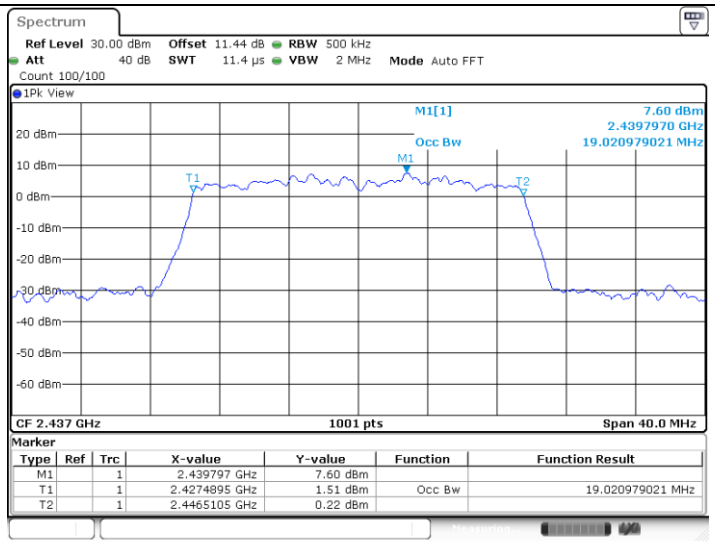

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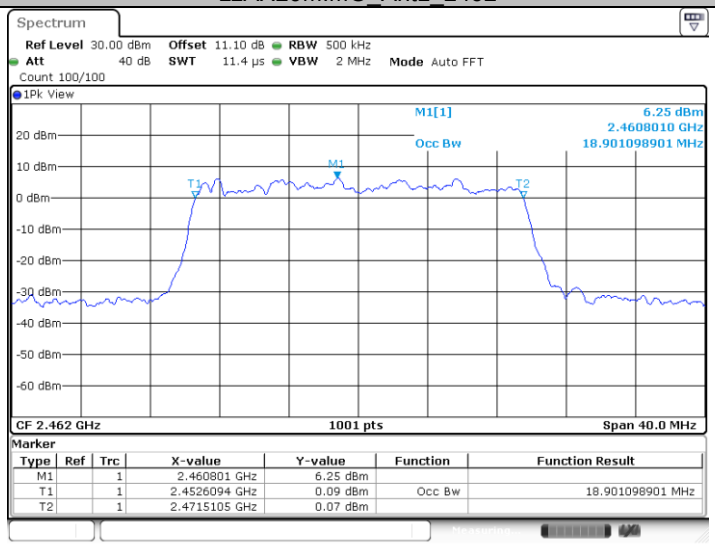

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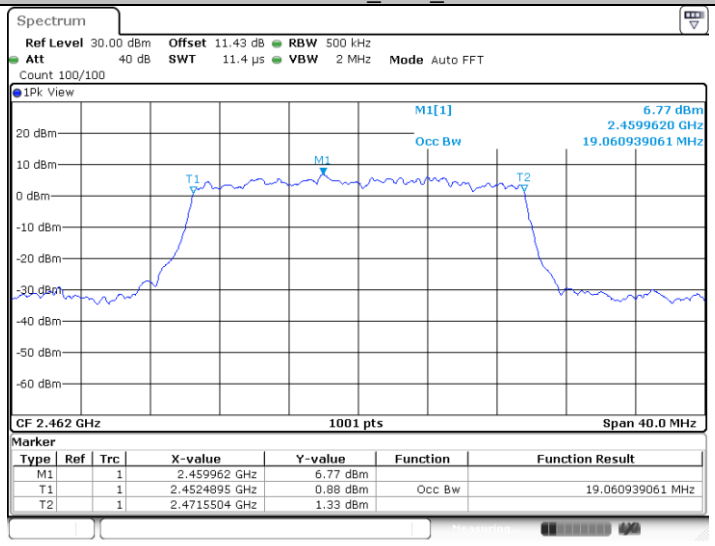

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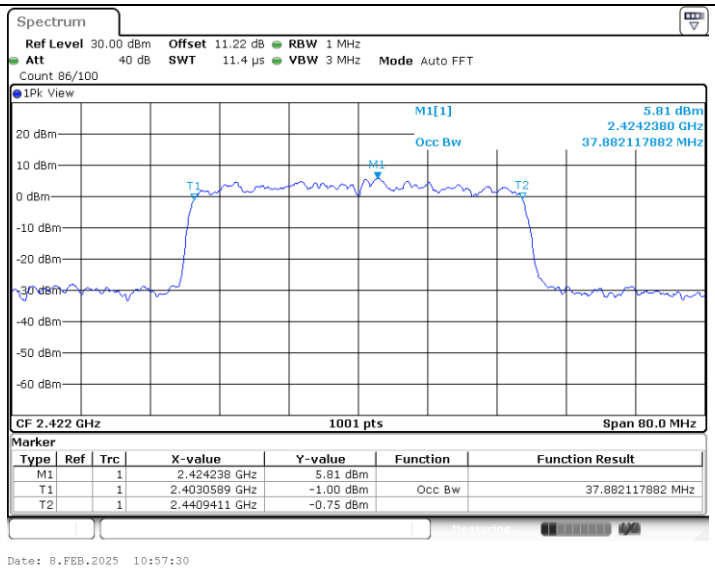

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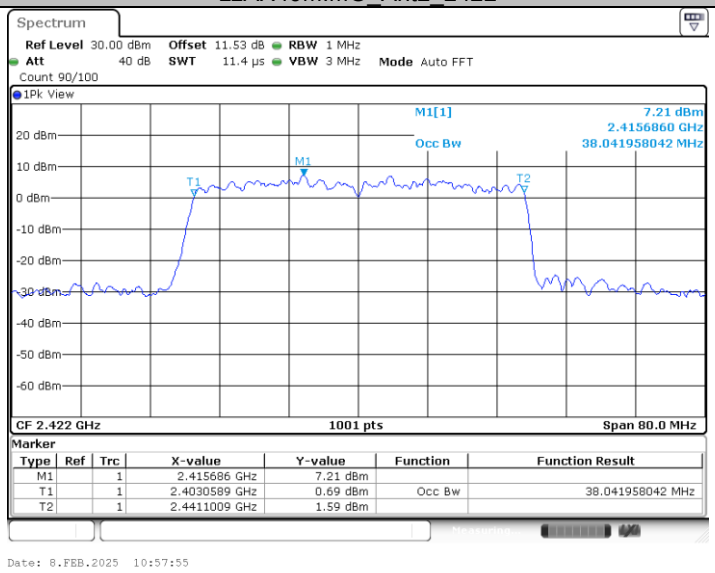

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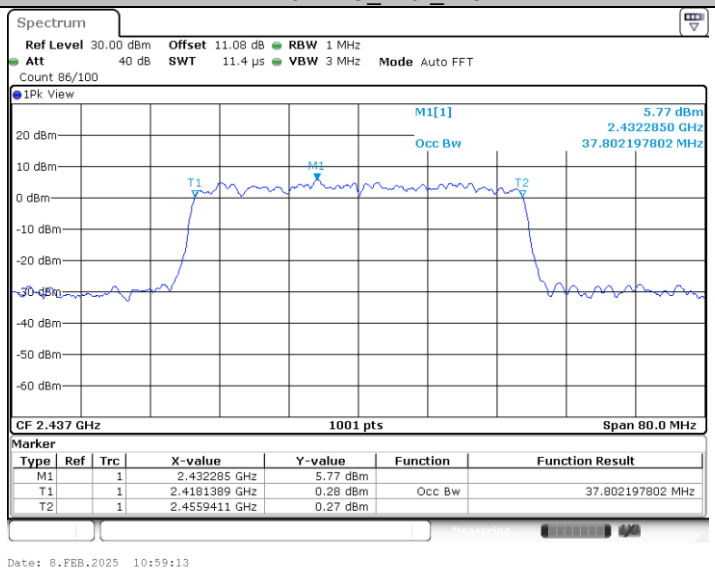

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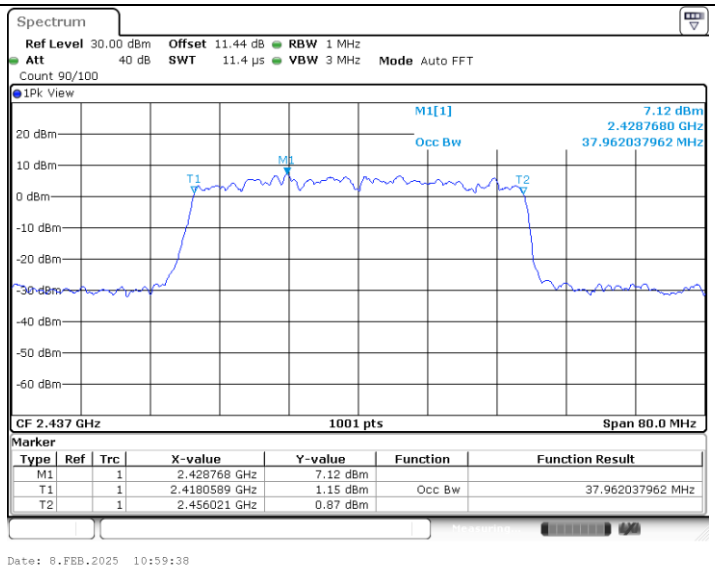

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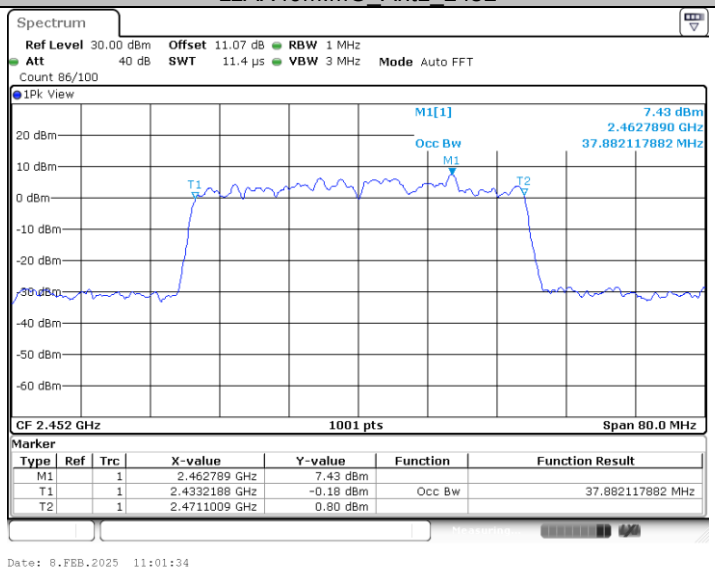

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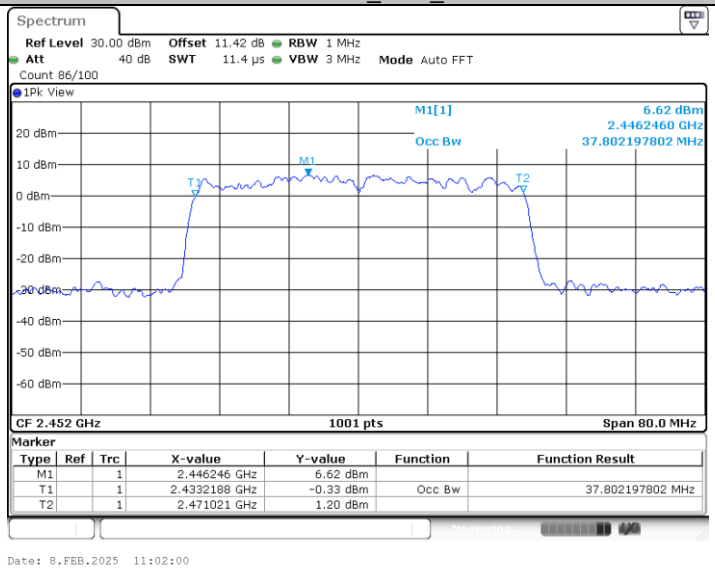

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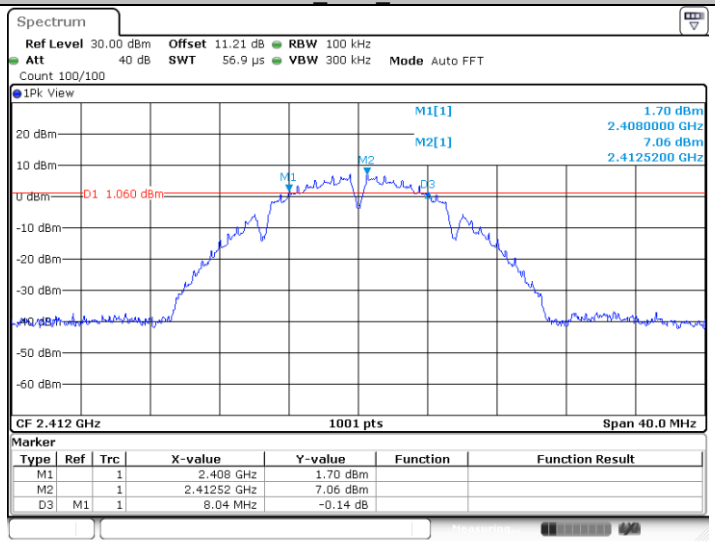

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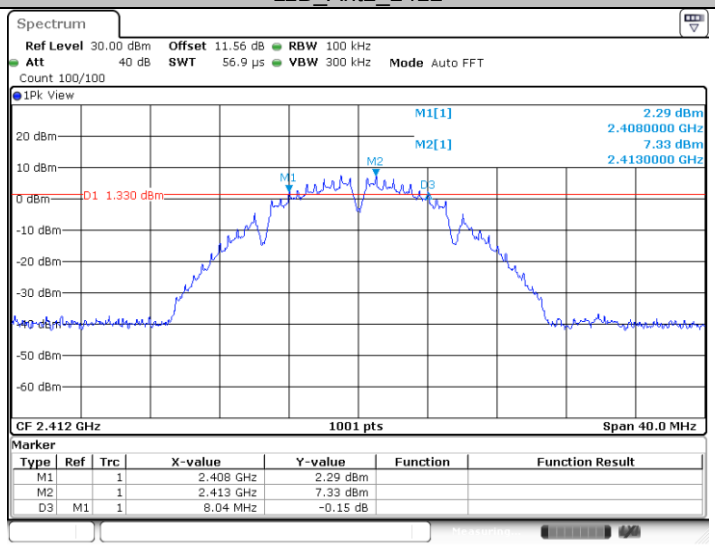

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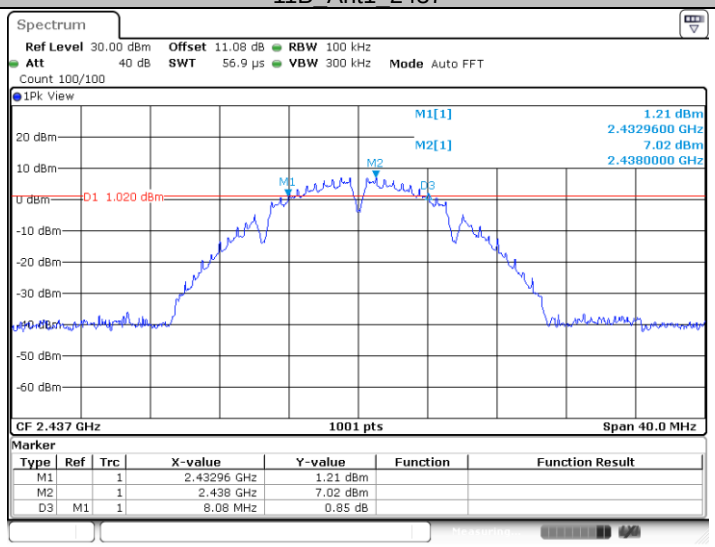

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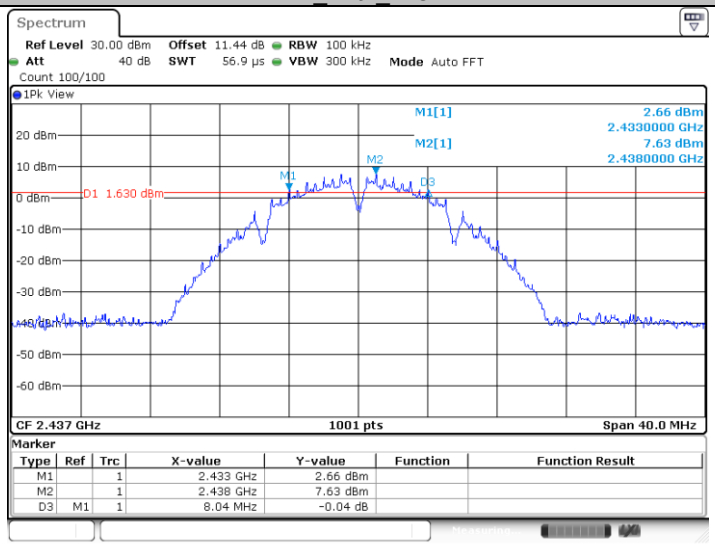

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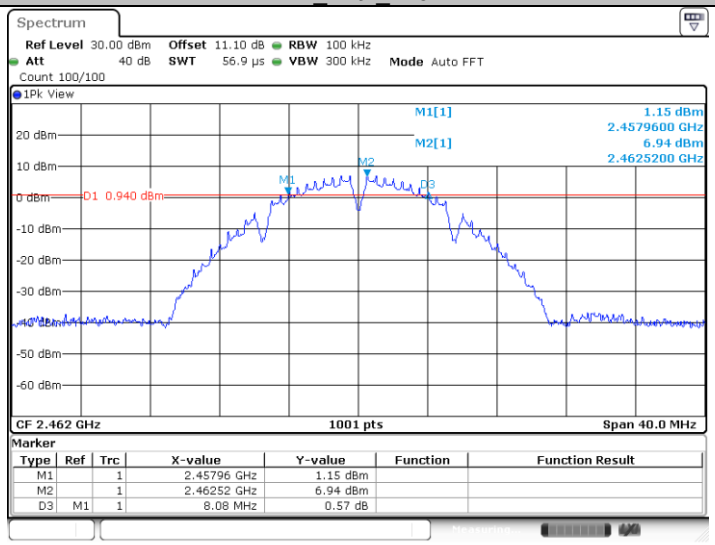

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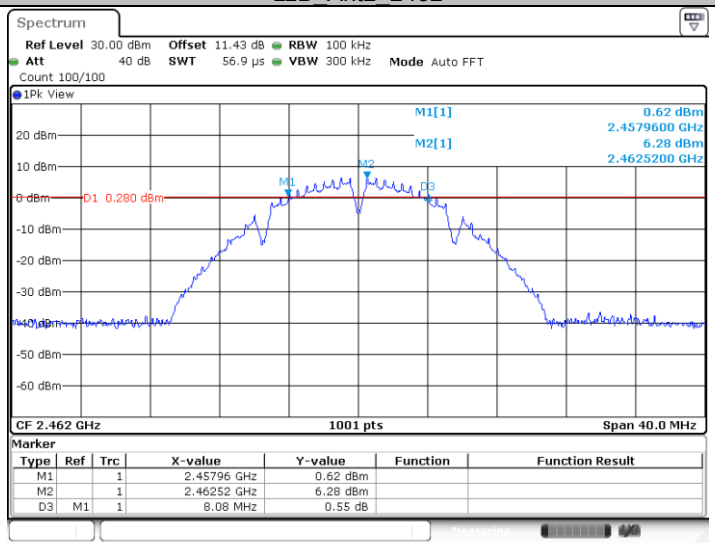

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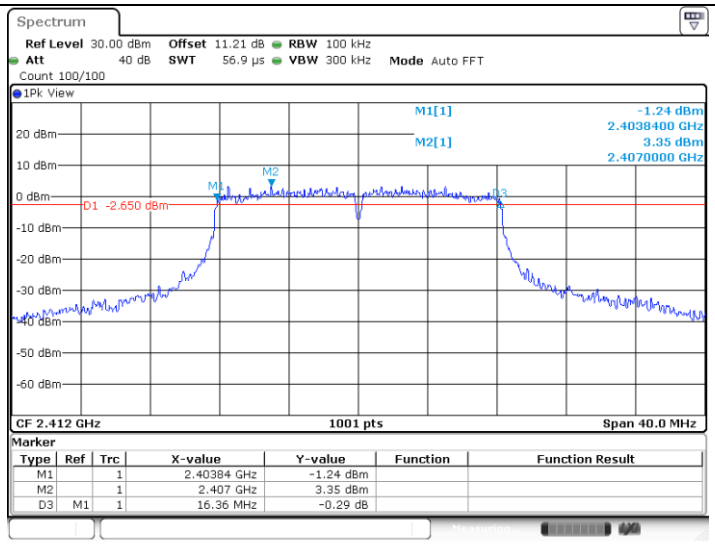

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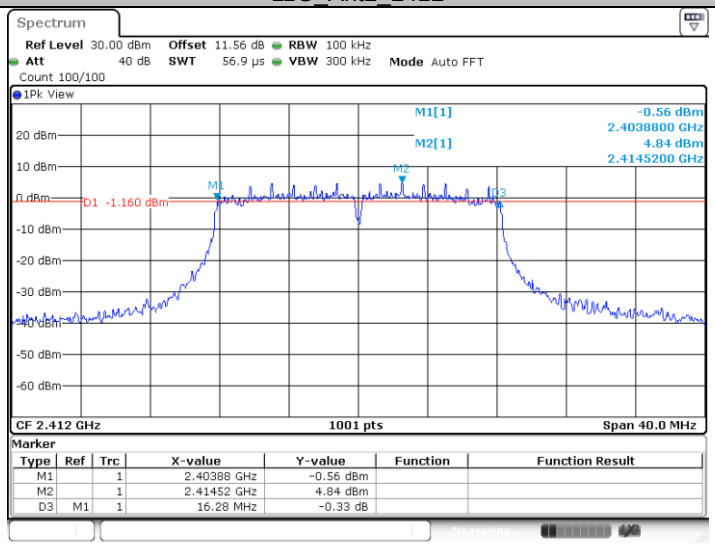

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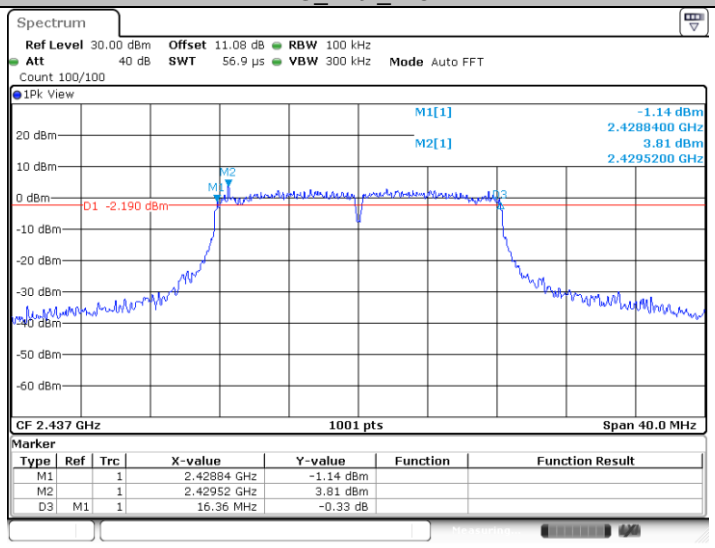

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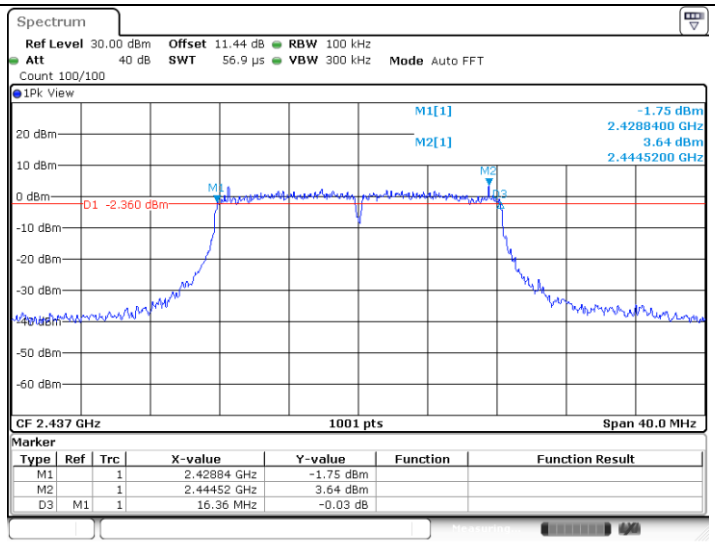

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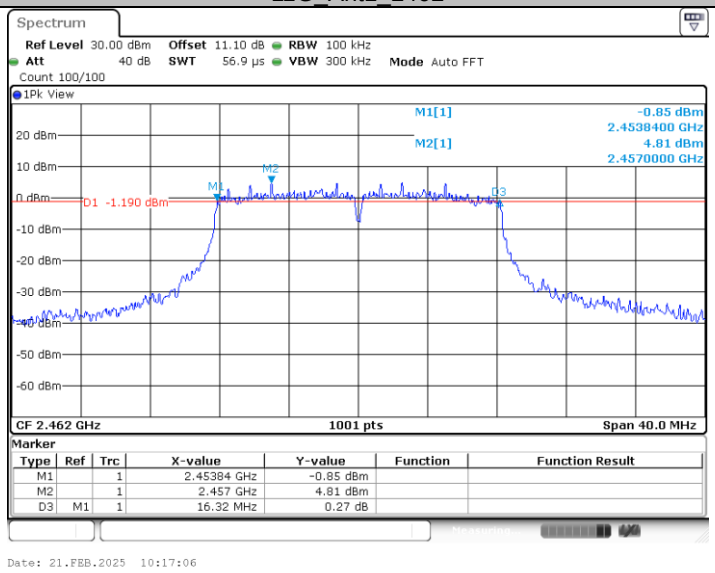

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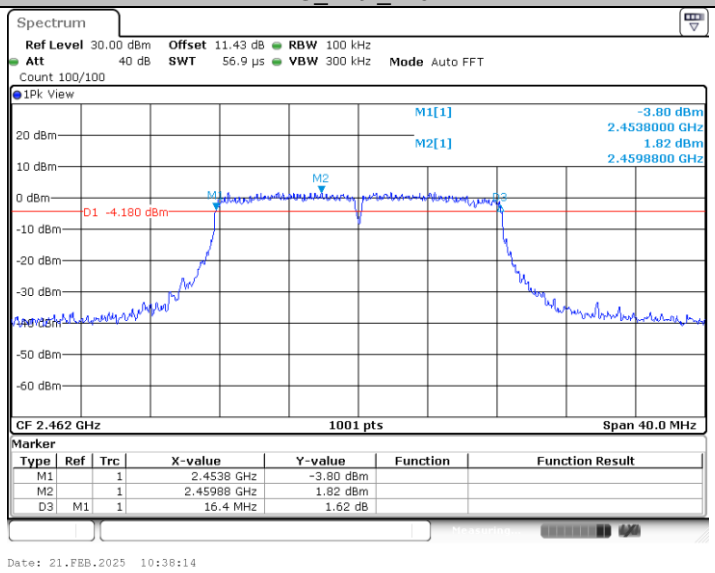

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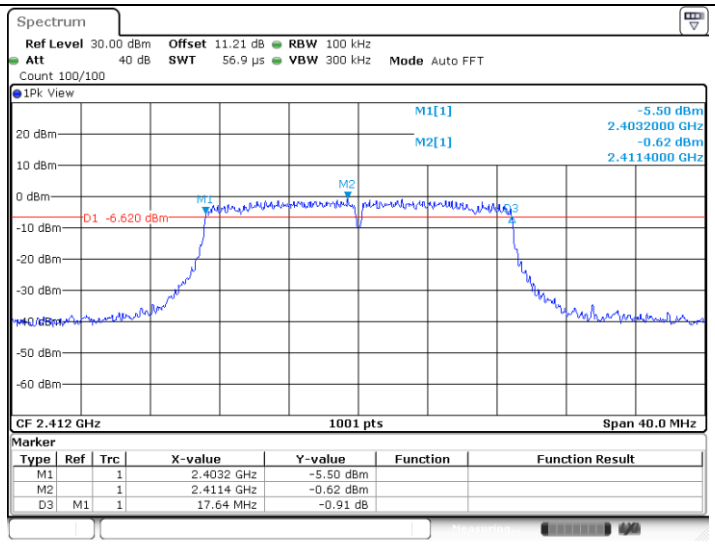

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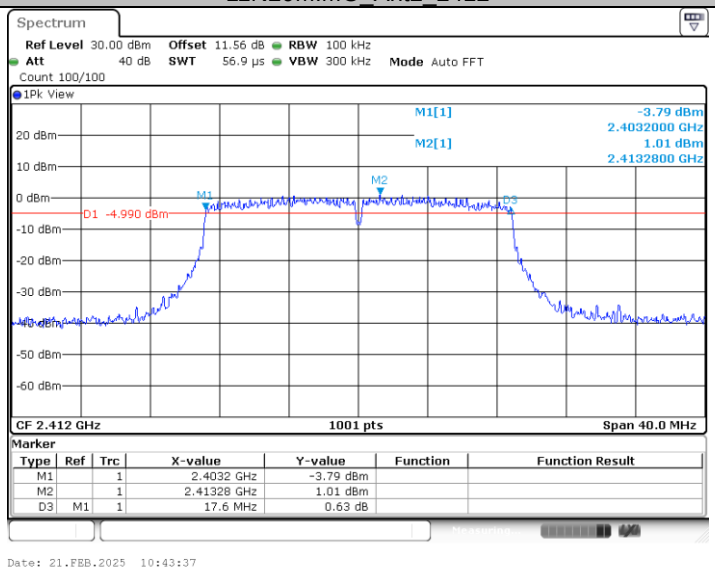

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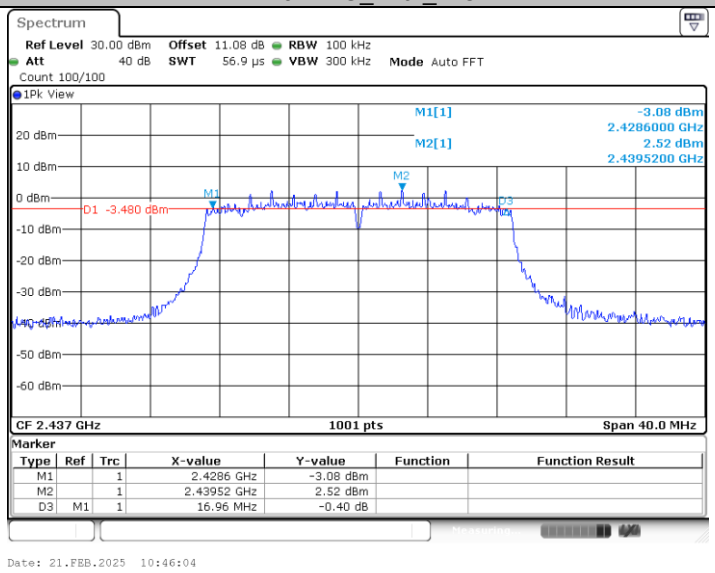

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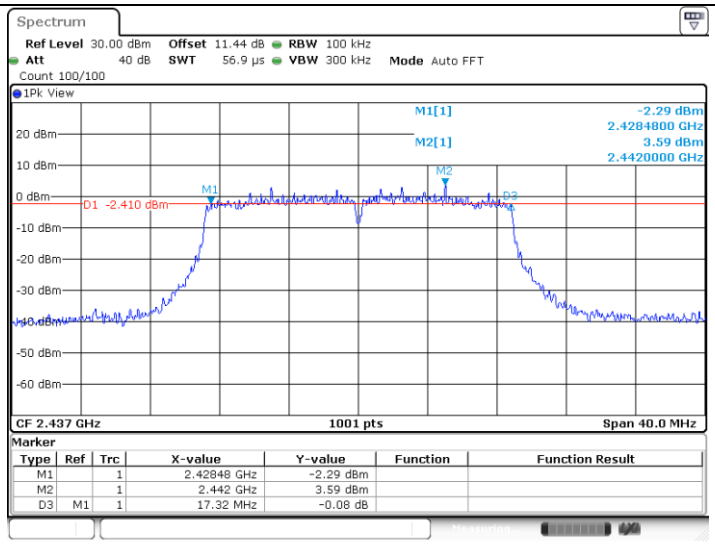

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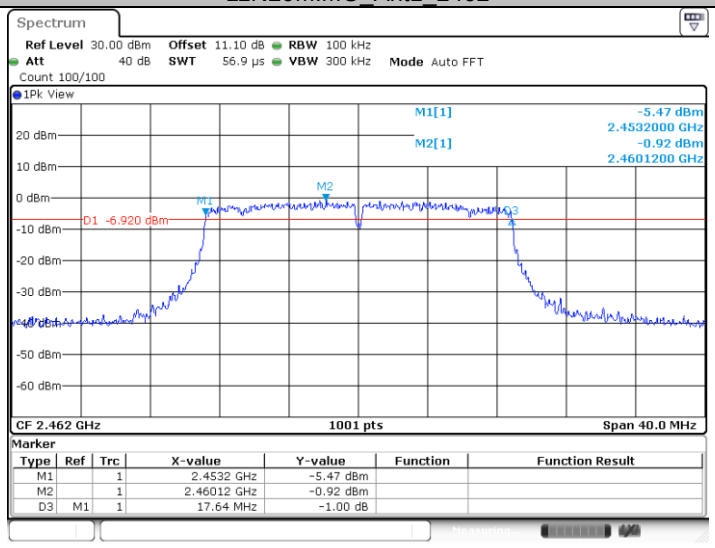

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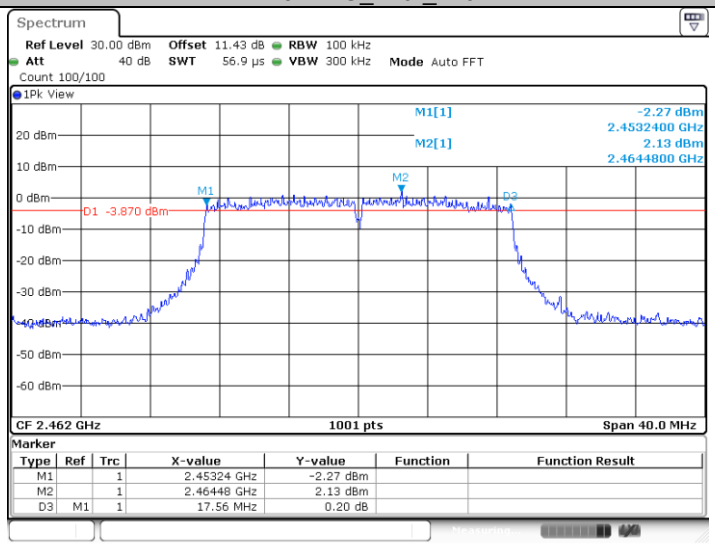

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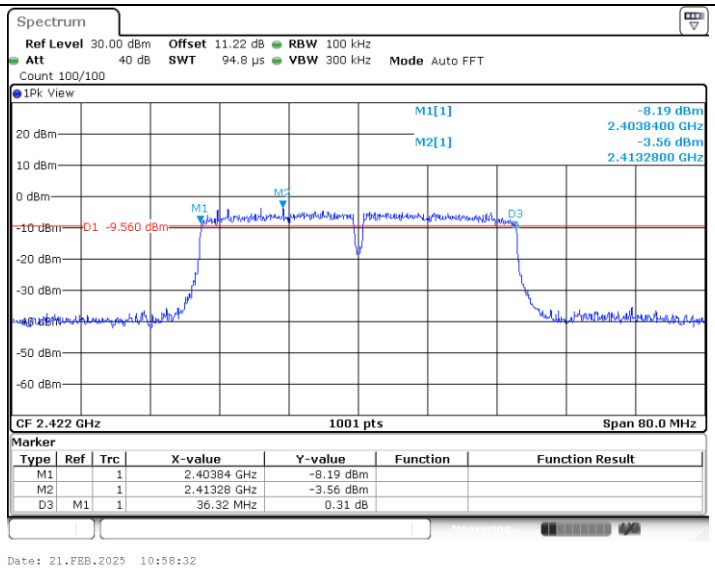

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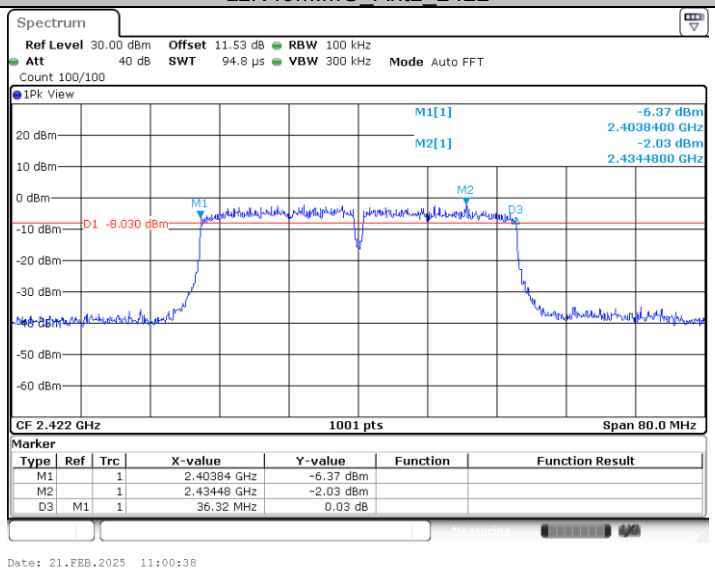
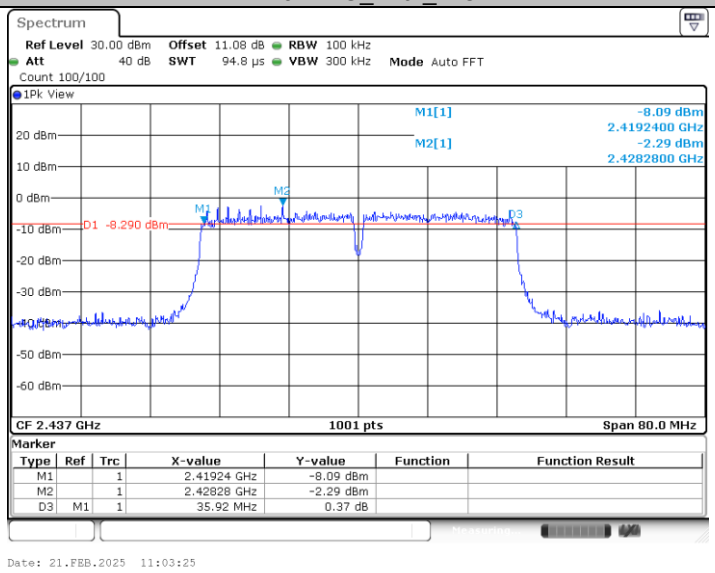
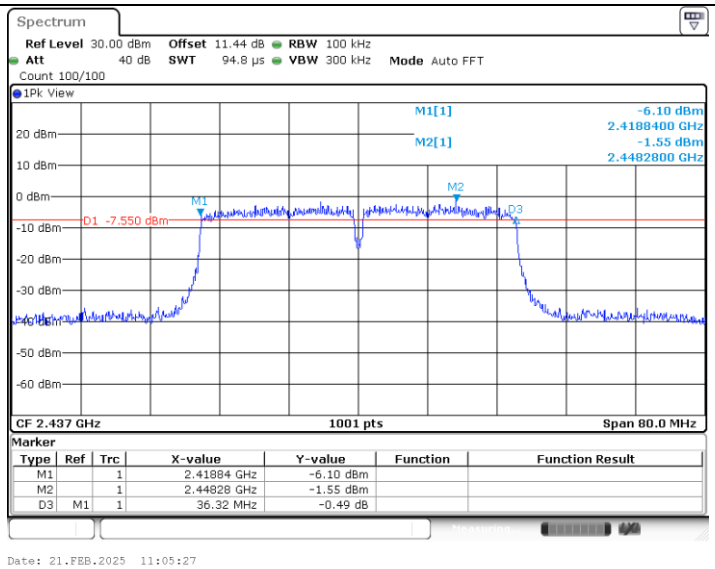


11N40MIMO_Ant1_2437

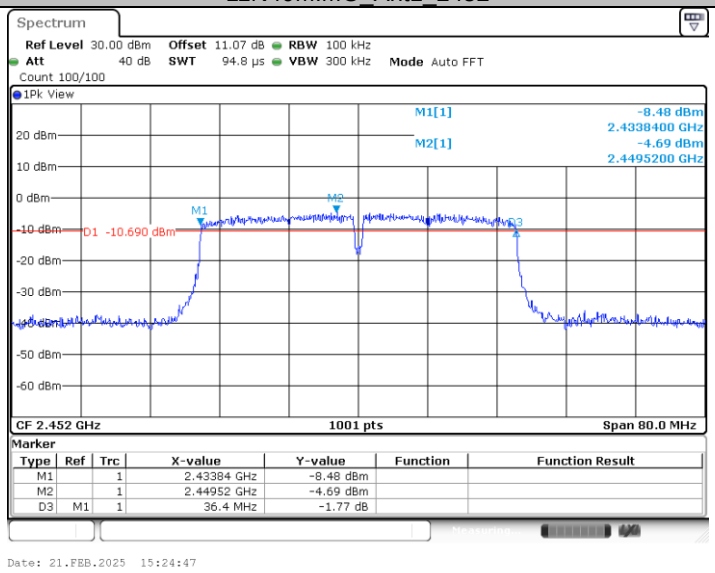


11N40MIMO_Ant2_2437

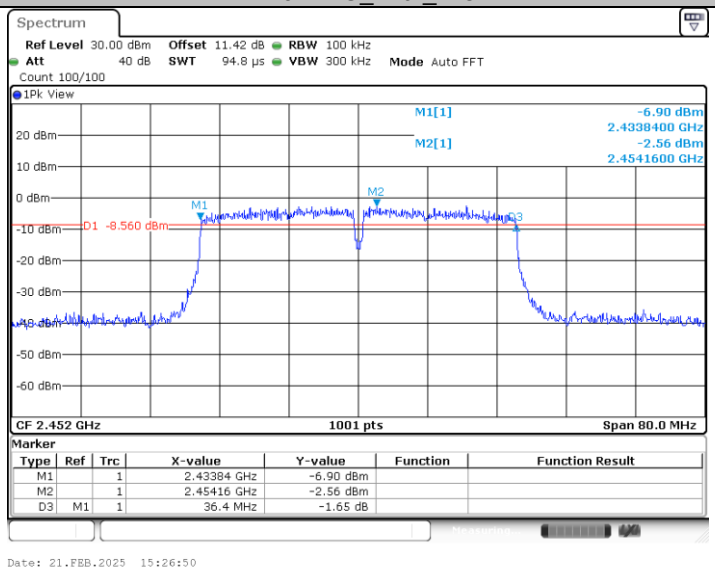
For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



11N40MIMO_Ant1_2452

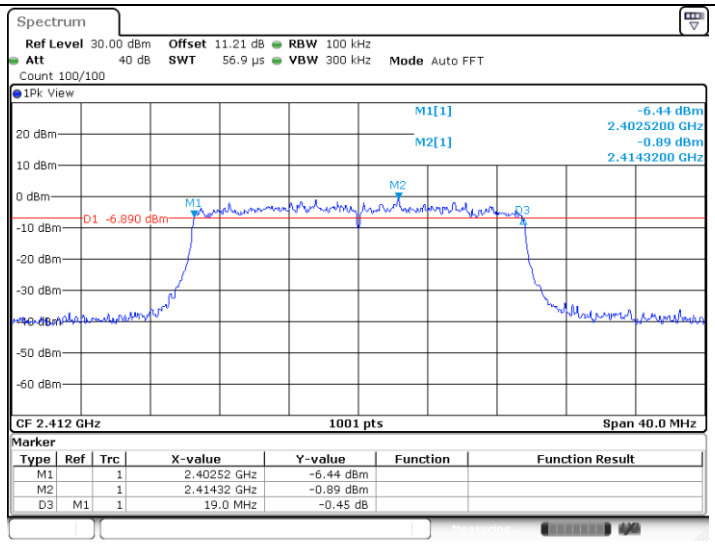


11N40MIMO_Ant2_2452



11AX20MIMO_Ant1_2412

For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



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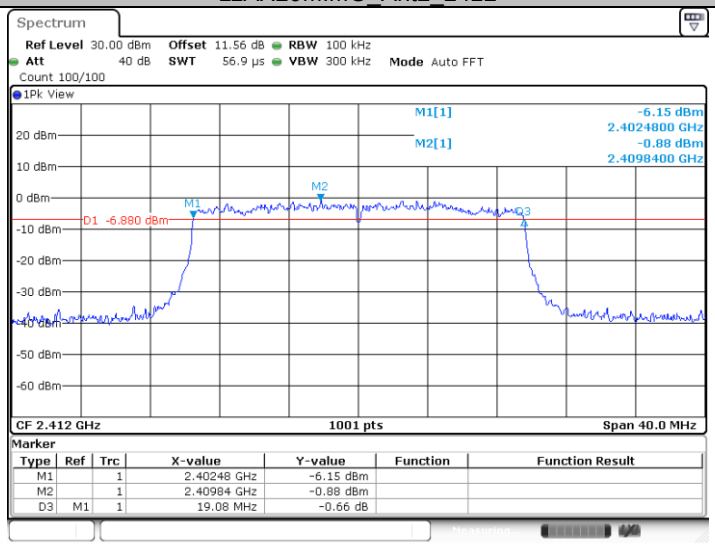

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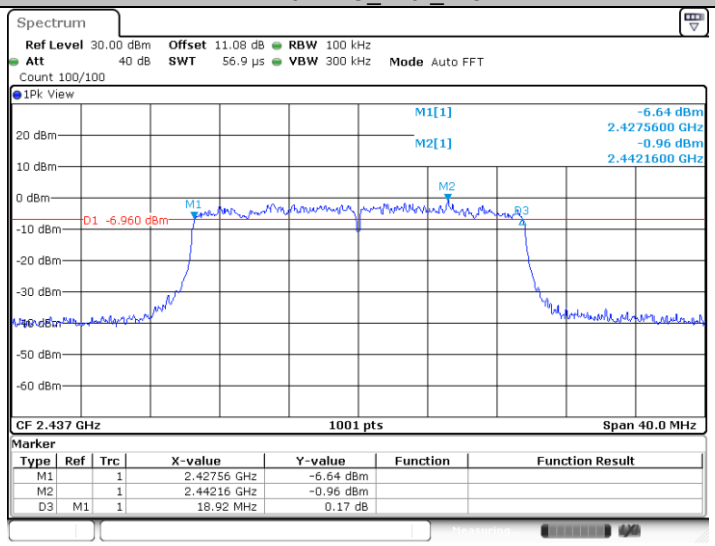
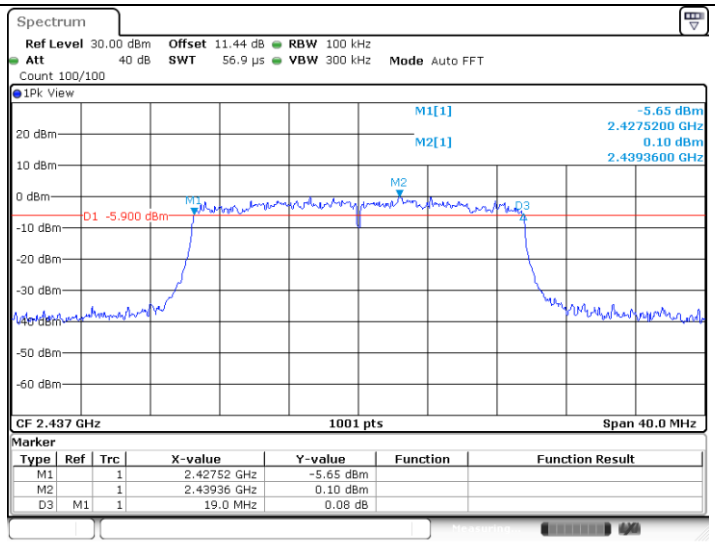
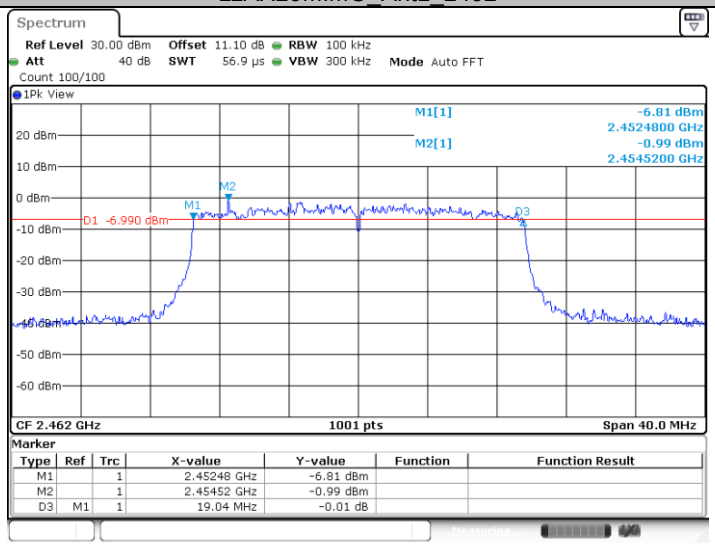


11AX20MIMO_Ant2_2437

For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



11AX20MIMO_Ant1_2462



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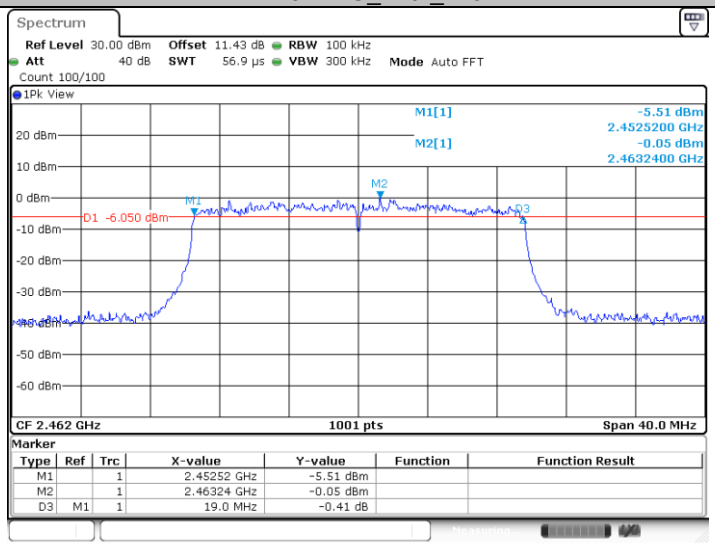

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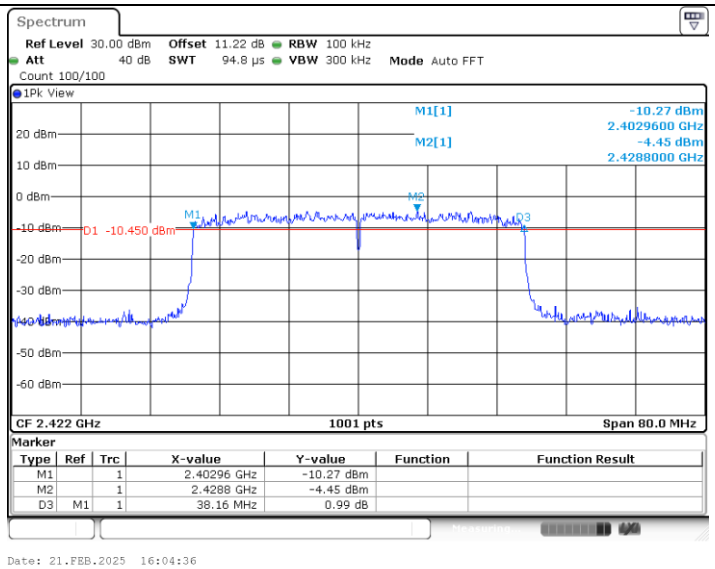
For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



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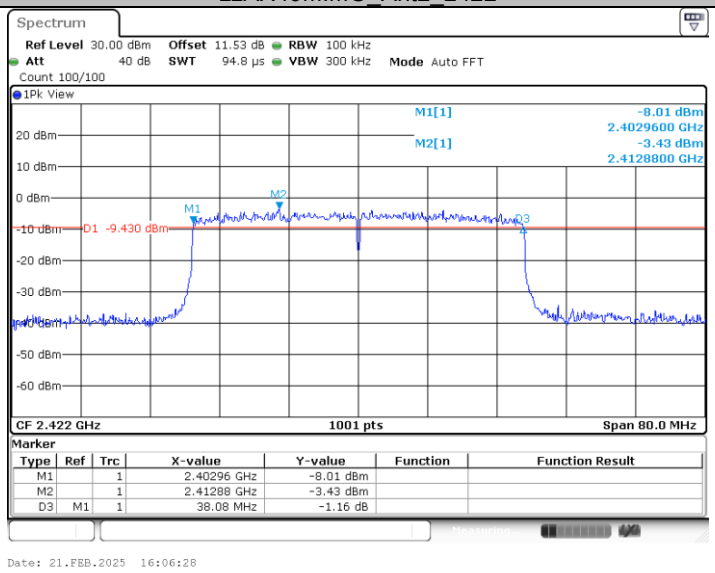

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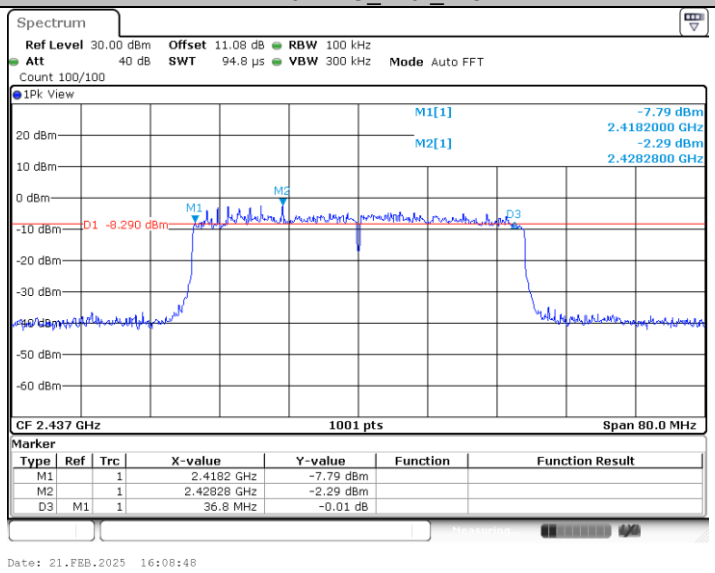
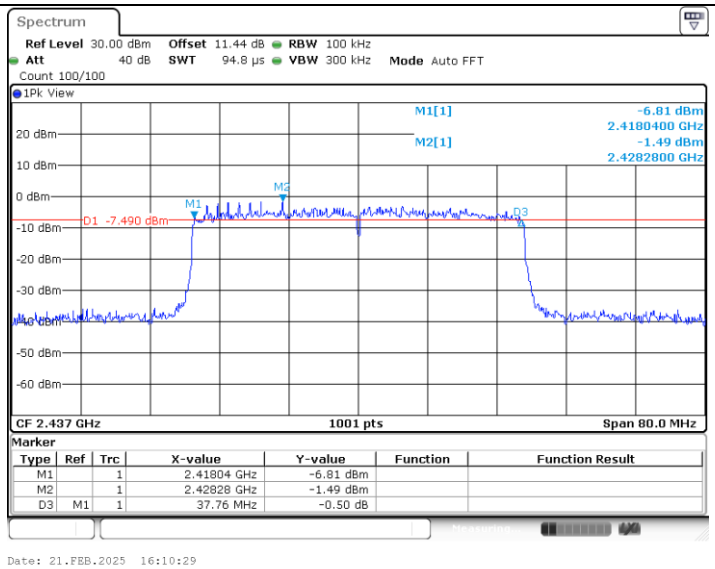


11AX40MIMO_Ant2_2437

For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



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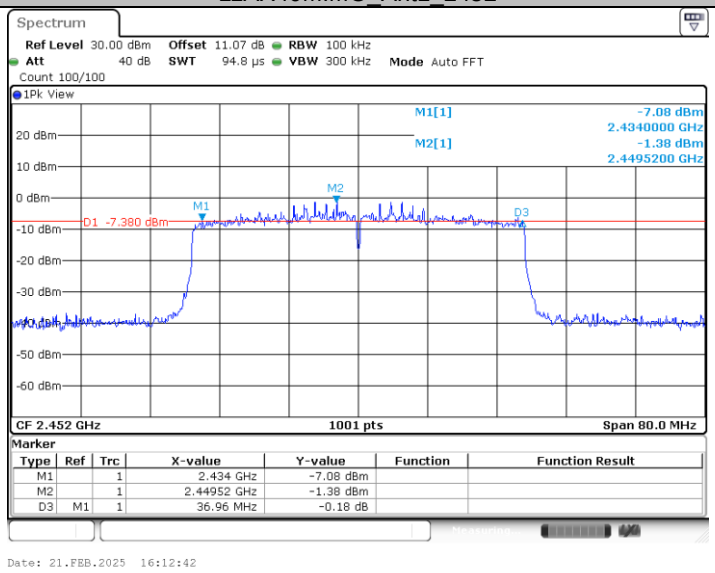

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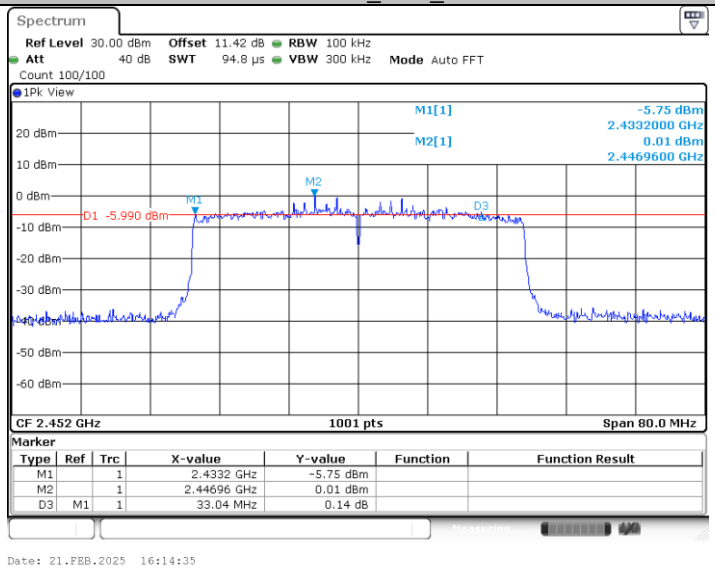


For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn

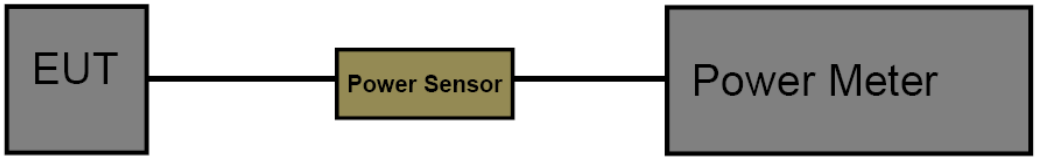
3.6. Output Power

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3)

Section	Test Item	Limit	Frequency Range (MHz)
FCC CFR 47 Part15.247 (b)(3)	Maximum Conducted Output Power	1 Watt or 30dBm	2400~2483.5

Test Configuration



Test Procedure

1. The maximum conducted output power may be measured using a broadband RF power meter.
2. Power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor.
3. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.
4. Record the measurement data.

Test Mode

Please refer to the clause 2.4.

For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn

Test Result

Test Mode	Antenna	Frequency[MHz]	AV Result [dBm]	Limit [dBm]
11B	Ant1	2412	12.64	≤30.00
	Ant2	2412	13.45	≤30.00
	Ant1	2437	12.37	≤30.00
	Ant2	2437	13.61	≤30.00
	Ant1	2462	12.20	≤30.00
	Ant2	2462	13.21	≤30.00
11G	Ant1	2412	12.13	≤30.00
	Ant2	2412	13.12	≤30.00
	Ant1	2437	12.24	≤30.00
	Ant2	2437	13.26	≤30.00
	Ant1	2462	11.90	≤30.00
	Ant2	2462	12.94	≤29.42
11N20MIMO	Ant1	2412	7.78	≤29.42
	Ant2	2412	6.41	≤29.42
	total	2412	10.16	≤29.42
	Ant1	2437	7.52	≤29.42
	Ant2	2437	6.37	≤29.42
	total	2437	9.99	≤29.42
	Ant1	2462	7.49	≤29.42
	Ant2	2462	6.19	≤29.42
	total	2462	9.90	≤29.42
11N40MIMO	Ant1	2422	7.52	≤29.42
	Ant2	2422	6.06	≤29.42
	total	2422	9.86	≤29.42
	Ant1	2437	7.04	≤29.42
	Ant2	2437	5.52	≤29.42
	total	2437	9.36	≤29.42
	Ant1	2452	7.19	≤29.42
	Ant2	2452	6.04	≤29.42
	total	2452	9.66	≤29.42
11AX20MIMO	Ant1	2412	7.92	≤29.42
	Ant2	2412	6.57	≤29.42
	total	2412	10.31	≤29.42
	Ant1	2437	7.69	≤29.42
	Ant2	2437	6.14	≤29.42
	total	2437	9.99	≤29.42
	Ant1	2462	7.66	≤29.42
	Ant2	2462	6.45	≤29.42
	total	2462	10.11	≤29.42
11AX40MIMO	Ant1	2422	7.63	≤29.42
	Ant2	2422	6.20	≤29.42
	total	2422	9.98	≤29.42
	Ant1	2437	7.44	≤29.42
	Ant2	2437	6.23	≤29.42
	total	2437	9.89	≤29.42
	Ant1	2452	7.30	≤29.42
	Ant2	2452	6.08	≤29.42
	total	2452	9.74	≤29.42

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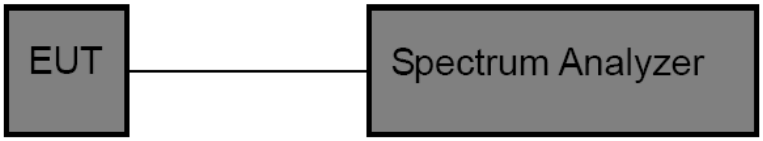
3.7. Power Spectral Density

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e)

Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	8 dBm (in any 3 kHz)	2400~2483.5

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:

Set analyzer center frequency to DTS channel center frequency.
Set the span to 1.5 times the DTS bandwidth.
Set the RBW to: 3 kHz.
Set the VBW to: 10 kHz.
Detector: peak.
Sweep time: auto.
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.4.

For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.93	≤8.00	PASS
	Ant2	2412	-10.72	≤8.00	PASS
	Ant1	2437	-12.36	≤8.00	PASS
	Ant2	2437	-10.37	≤8.00	PASS
	Ant1	2462	-12.53	≤8.00	PASS
	Ant2	2462	-10.83	≤8.00	PASS
11G	Ant1	2412	-16.15	≤8.00	PASS
	Ant2	2412	-15.29	≤8.00	PASS
	Ant1	2437	-16.24	≤8.00	PASS
	Ant2	2437	-14.95	≤8.00	PASS
	Ant1	2462	-16.48	≤8.00	PASS
	Ant2	2462	-16.06	≤8.00	PASS
11N20MIMO	Ant1	2412	-20.61	≤7.42	PASS
	Ant2	2412	-22.42	≤7.42	PASS
	total	2412	-18.41	≤7.42	PASS
	Ant1	2437	-21.37	≤7.42	PASS
	Ant2	2437	-22.35	≤7.42	PASS
	total	2437	-18.82	≤7.42	PASS
	Ant1	2462	-21.26	≤7.42	PASS
	Ant2	2462	-23.47	≤7.42	PASS
	total	2462	-19.22	≤7.42	PASS
11N40MIMO	Ant1	2422	-23.54	≤7.42	PASS
	Ant2	2422	-24.12	≤7.42	PASS
	total	2422	-20.81	≤7.42	PASS
	Ant1	2437	-23.38	≤7.42	PASS
	Ant2	2437	-24.74	≤7.42	PASS
	total	2437	-21.00	≤7.42	PASS
	Ant1	2452	-23.74	≤7.42	PASS
	Ant2	2452	-24.93	≤7.42	PASS
	total	2452	-21.28	≤7.42	PASS
11AX20MIMO	Ant1	2412	-22.14	≤7.42	PASS
	Ant2	2412	-22.77	≤7.42	PASS
	total	2412	-19.43	≤7.42	PASS
	Ant1	2437	-21.75	≤7.42	PASS
	Ant2	2437	-23.15	≤7.42	PASS
	total	2437	-19.38	≤7.42	PASS
	Ant1	2462	-22.24	≤7.42	PASS
	Ant2	2462	-23.95	≤7.42	PASS
	total	2462	-20.00	≤7.42	PASS
11AX40MIMO	Ant1	2422	-24.06	≤7.42	PASS
	Ant2	2422	-25.83	≤7.42	PASS
	total	2422	-21.85	≤7.42	PASS
	Ant1	2437	-23.98	≤7.42	PASS
	Ant2	2437	-24.88	≤7.42	PASS
	total	2437	-21.40	≤7.42	PASS
	Ant1	2452	-24.19	≤7.42	PASS
	Ant2	2452	-24.40	≤7.42	PASS
	total	2452	-21.28	≤7.42	PASS

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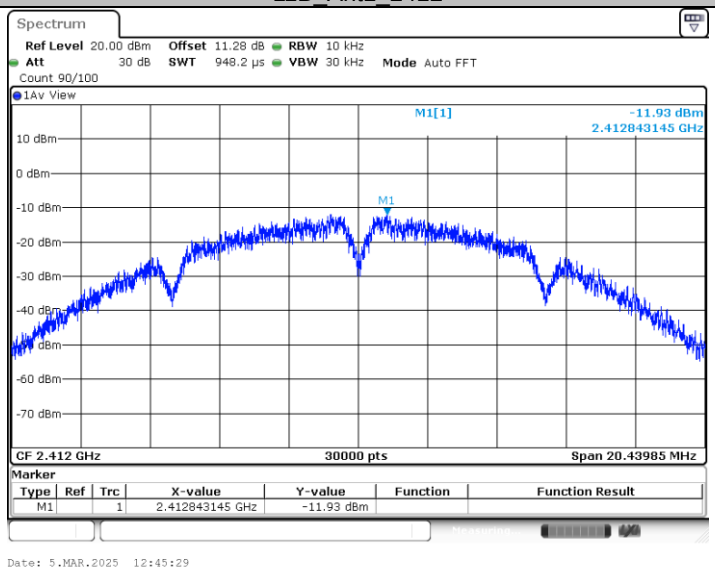
Test plot as follows:

11B_Ant1_2412



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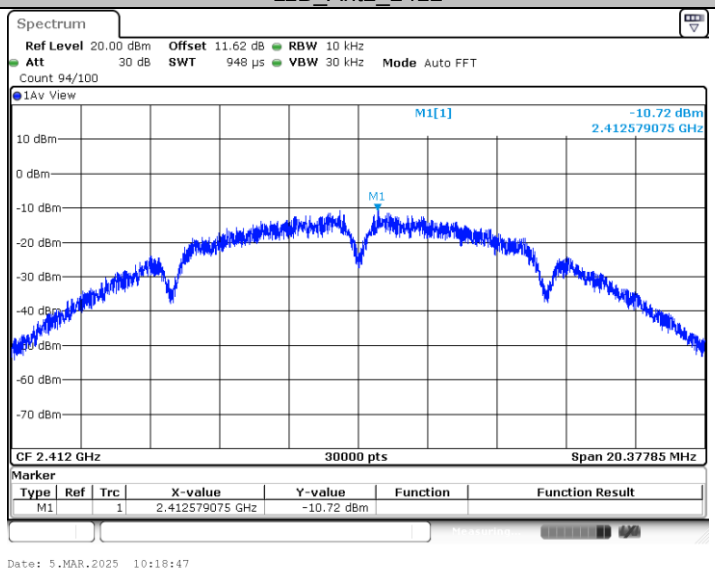

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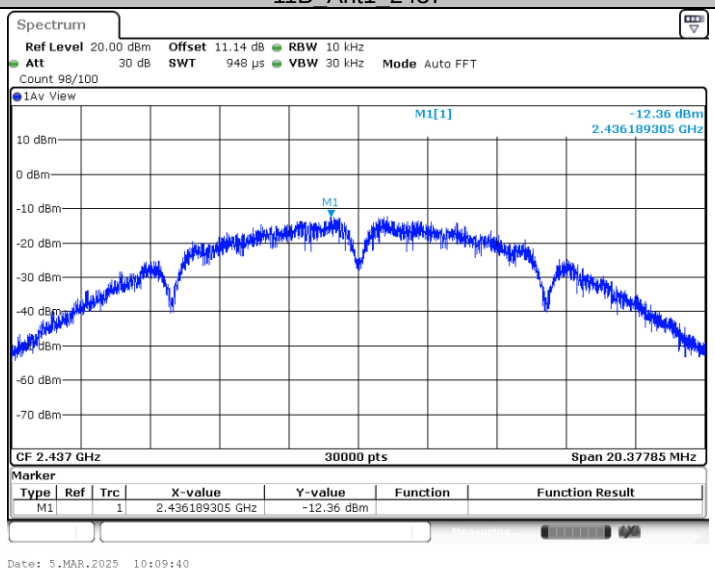

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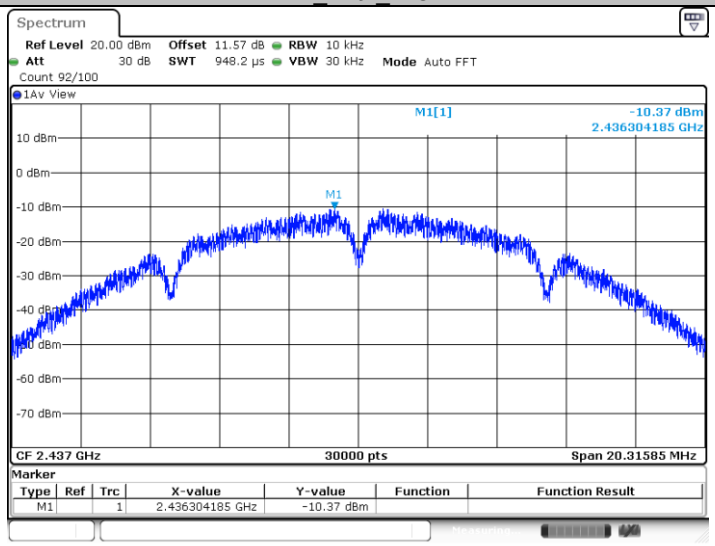

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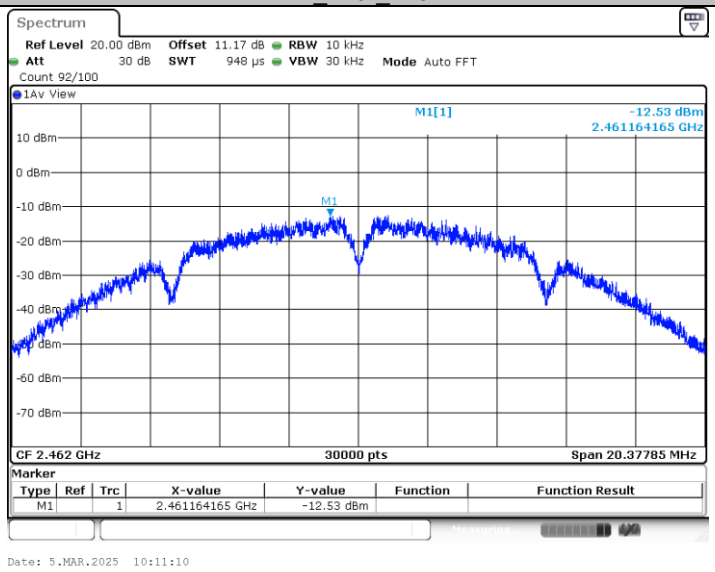

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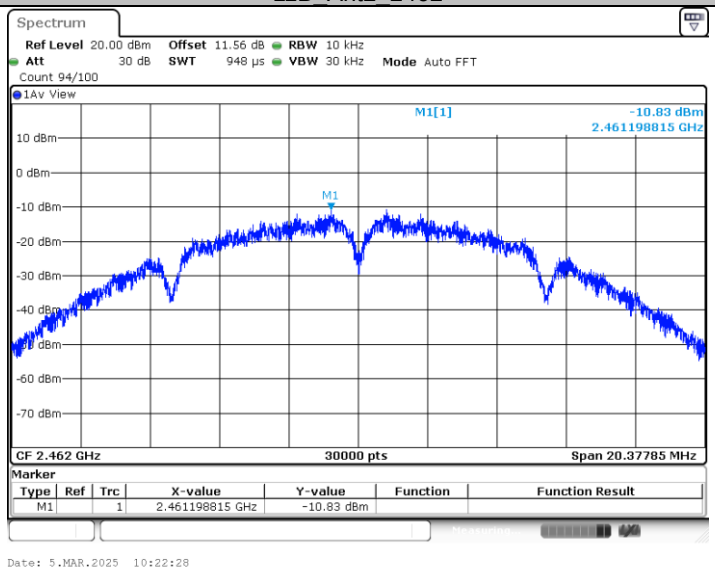
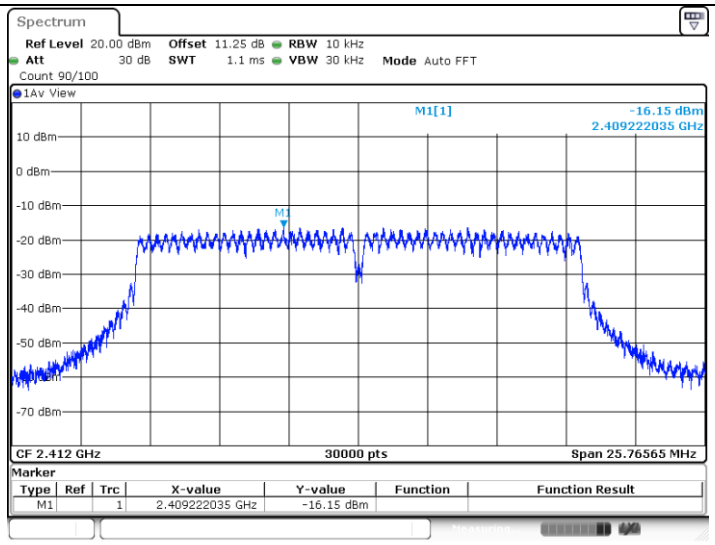


11G_Ant1_2412

For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



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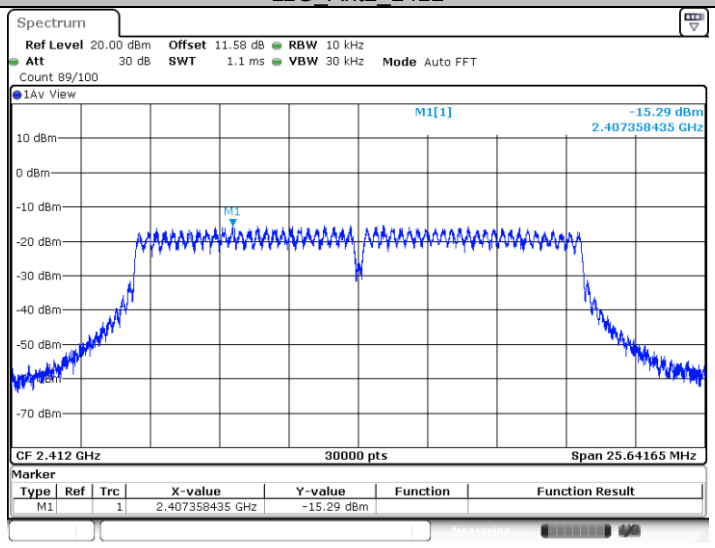

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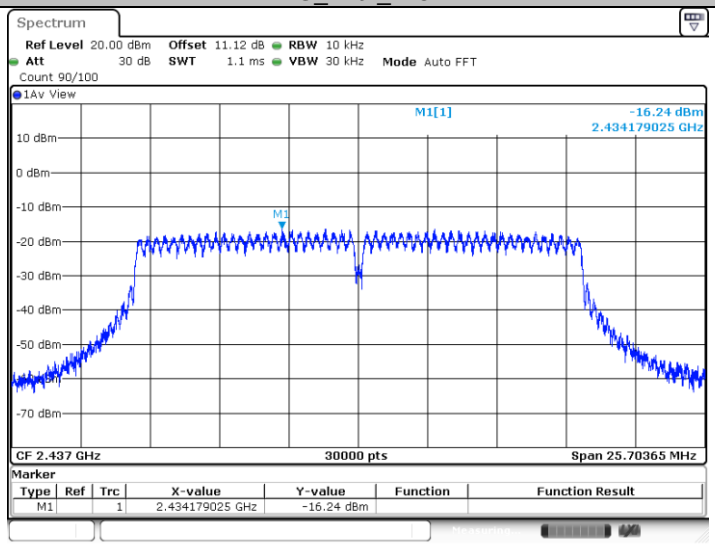

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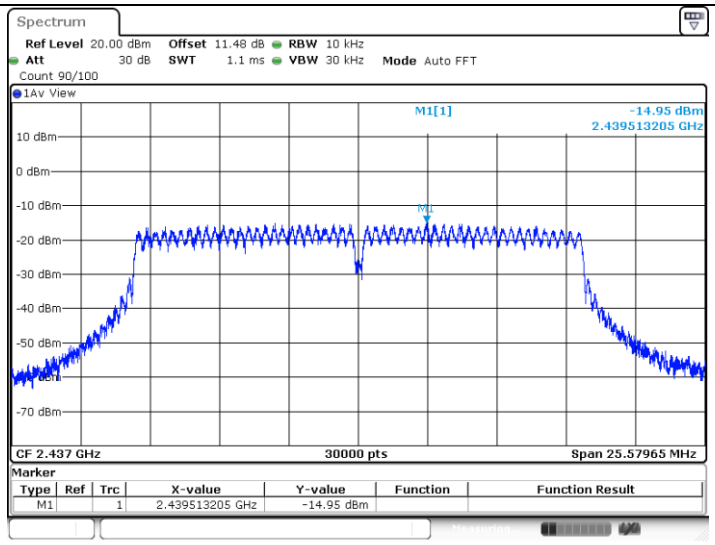
For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



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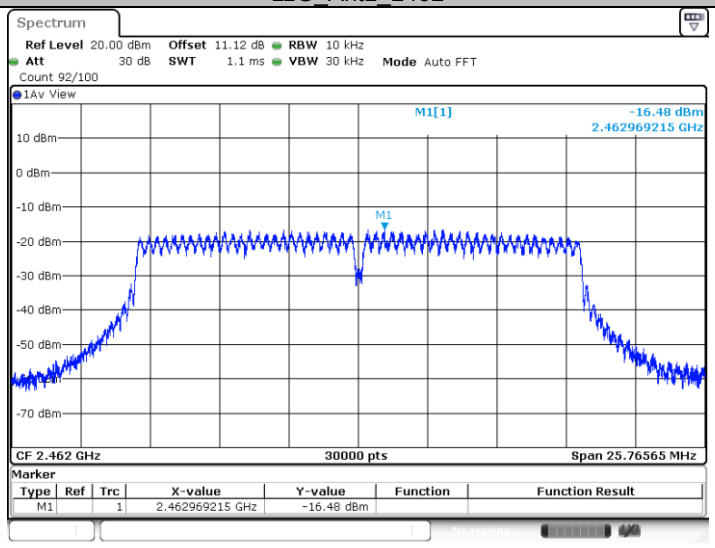

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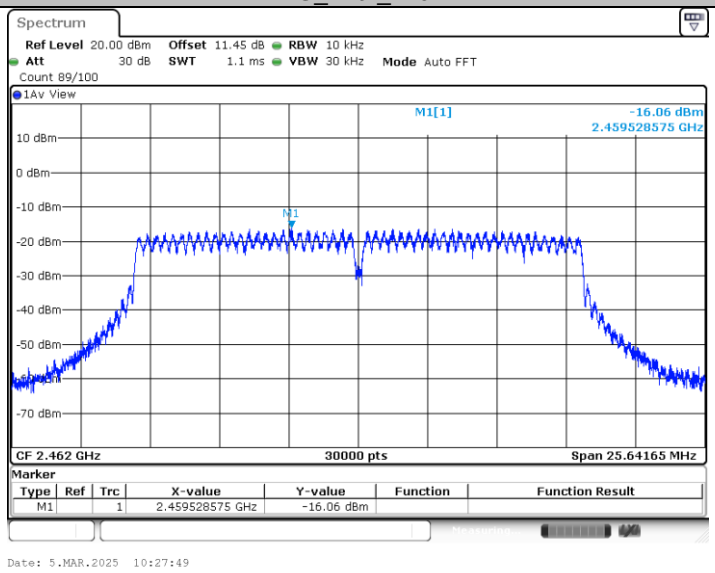
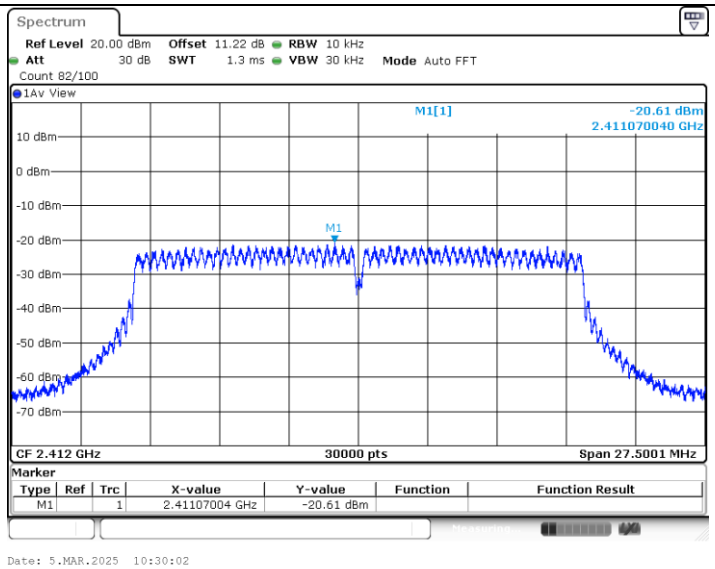


11N20MIMO_Ant1_2412

For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



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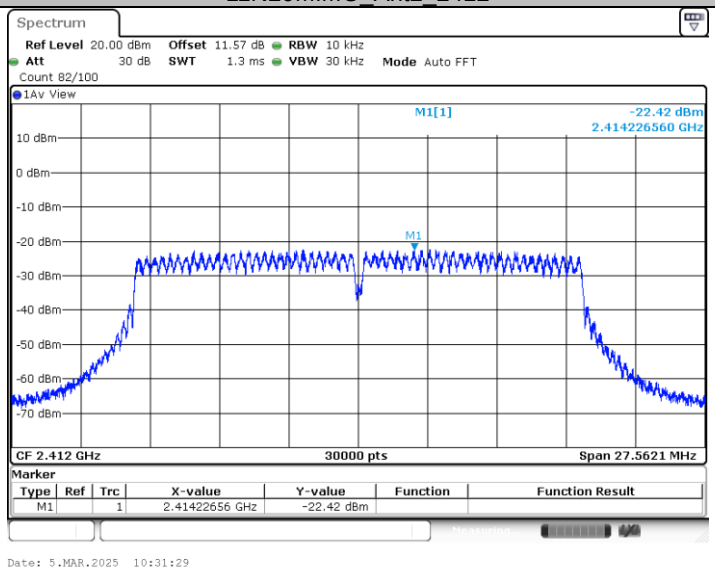

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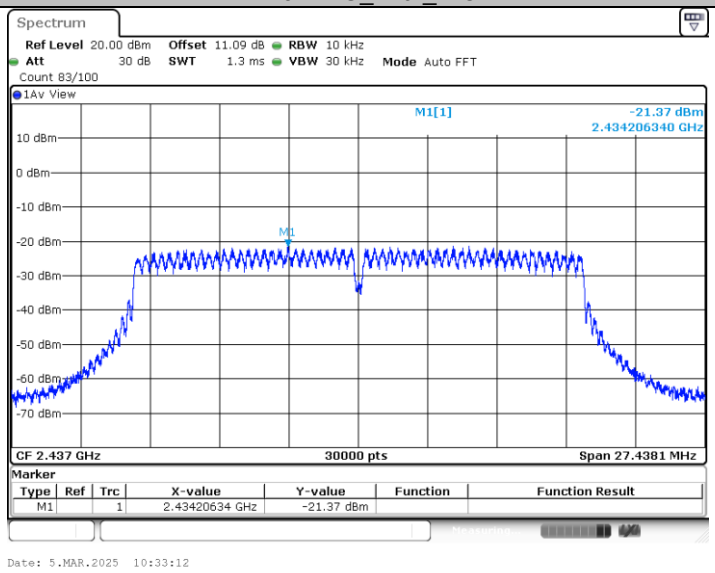
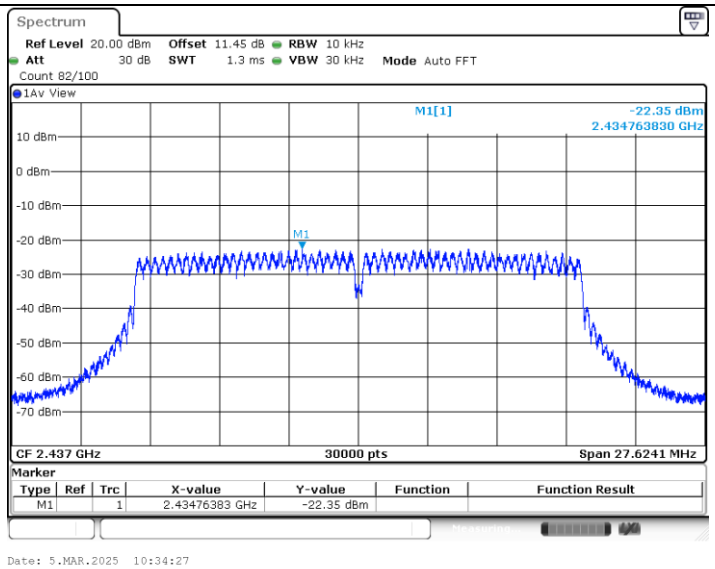


11N20MIMO_Ant2_2437

For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



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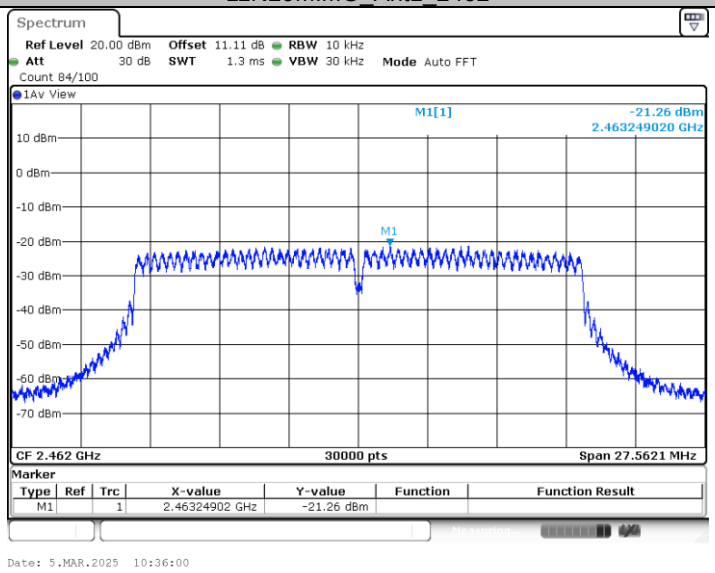

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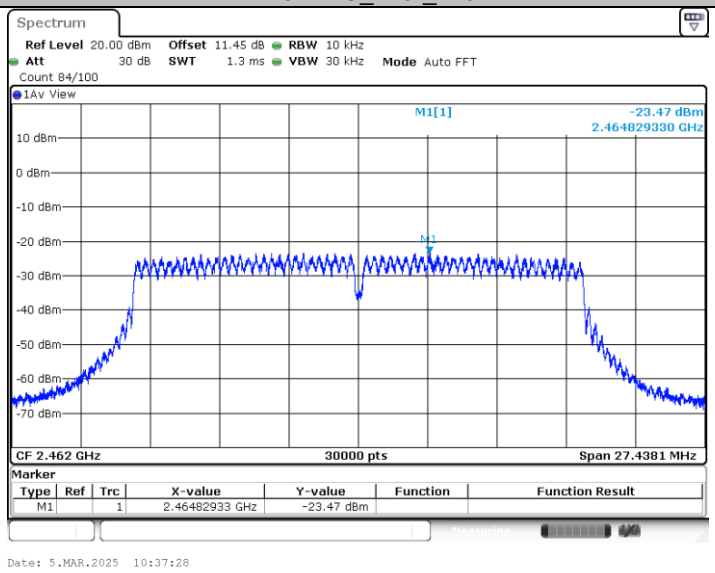

11N40MIMO_Ant1_2422

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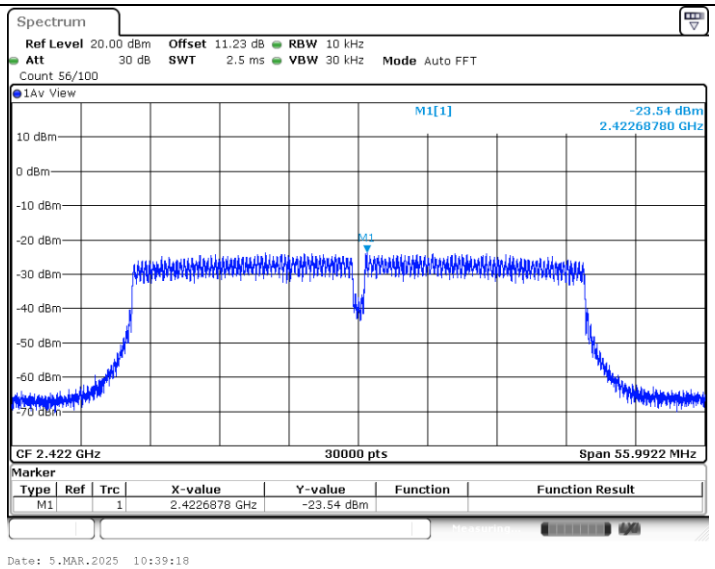

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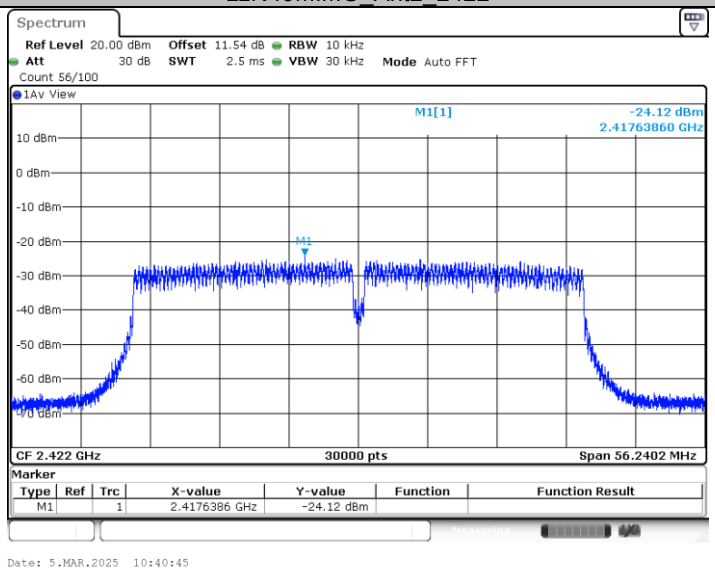

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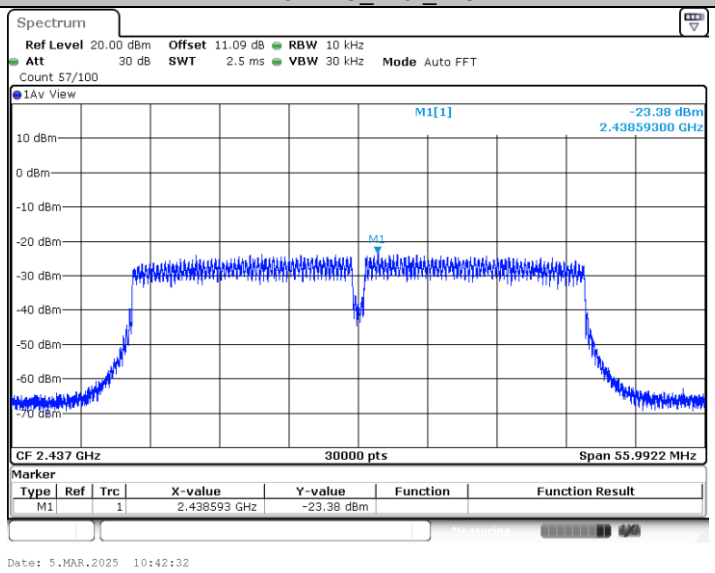

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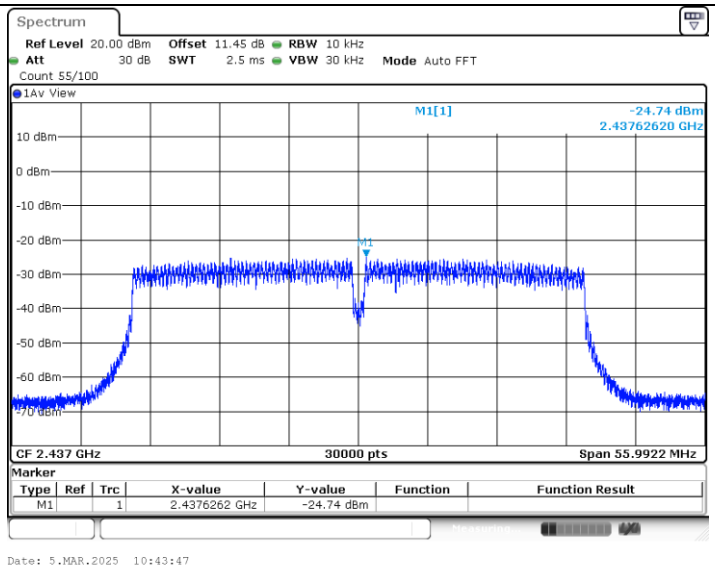

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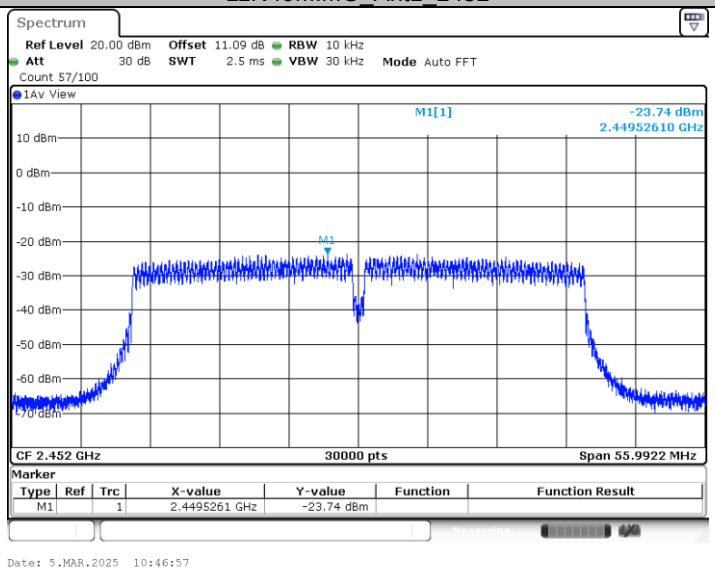

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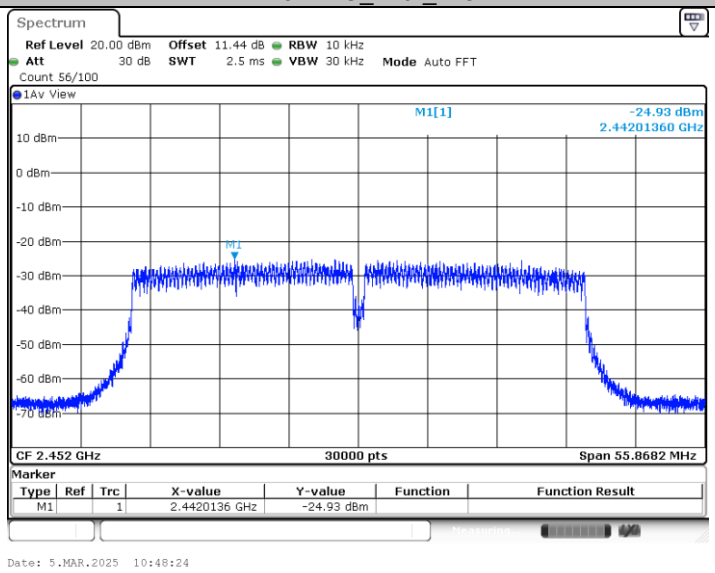

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