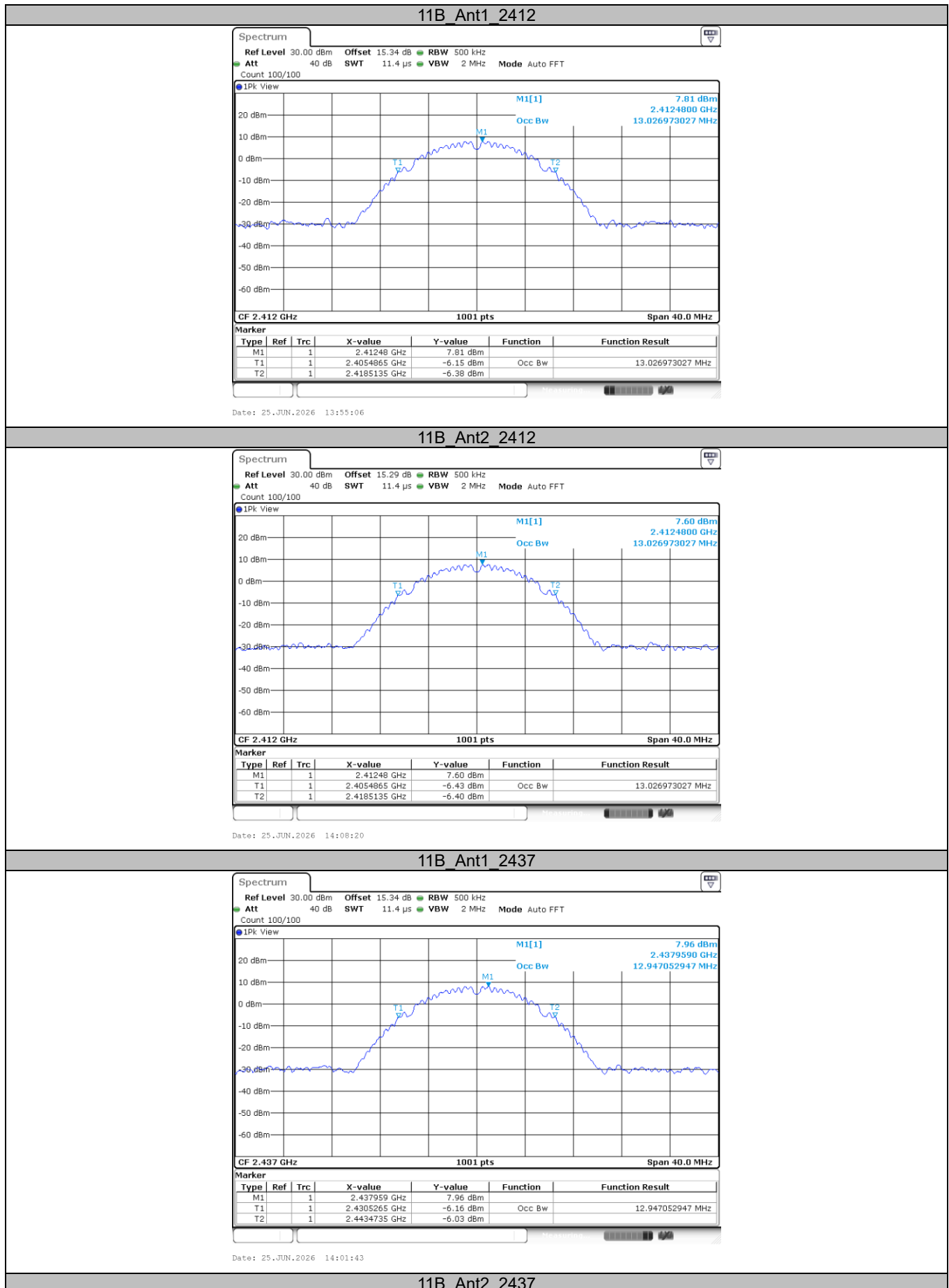


99% Bandwidth:

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Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

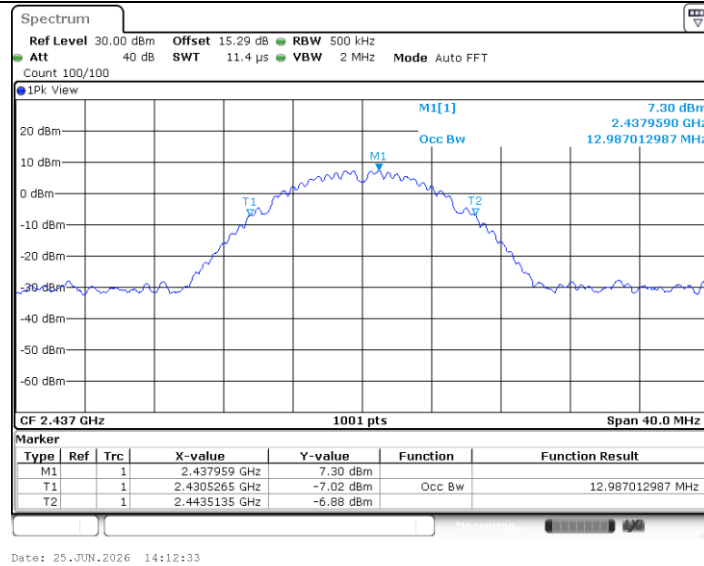
Tel.: (86)755-27521059

Fax: (86)755-27521011

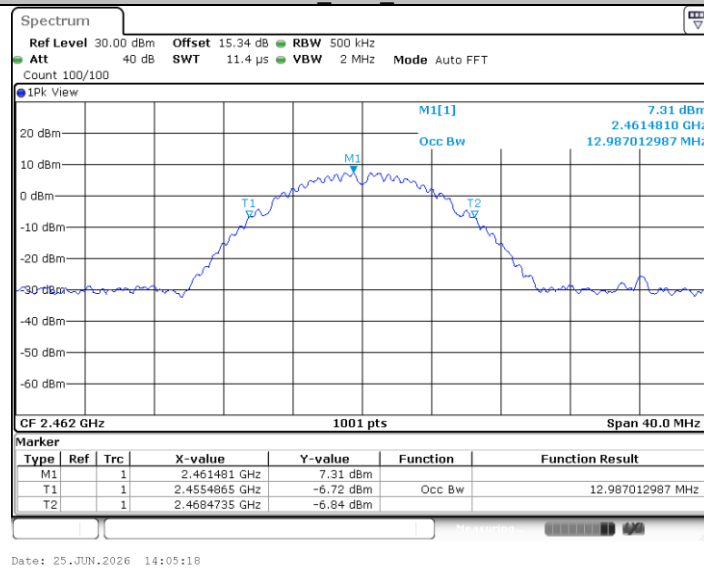
Http://www.sz-ctc.org.cn

TRF No:CTC-TR-057_A5

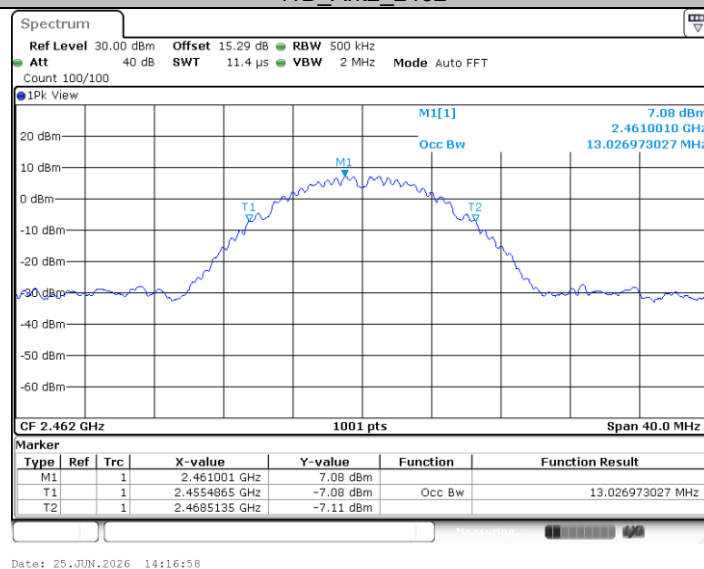
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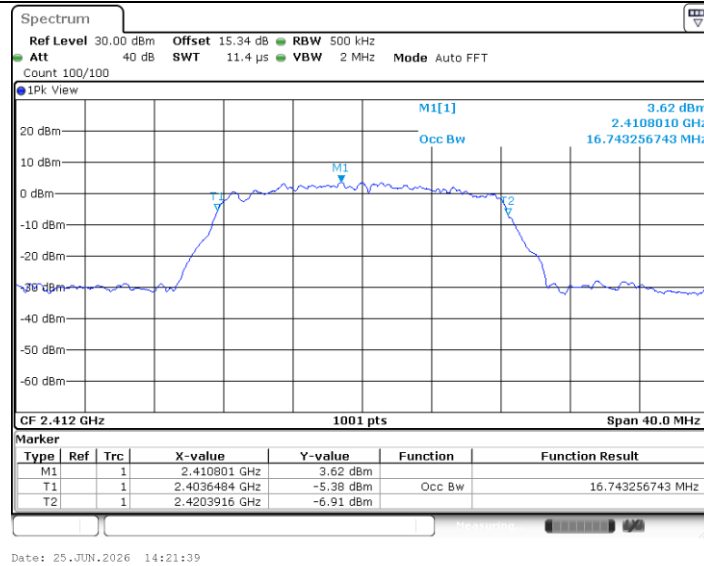
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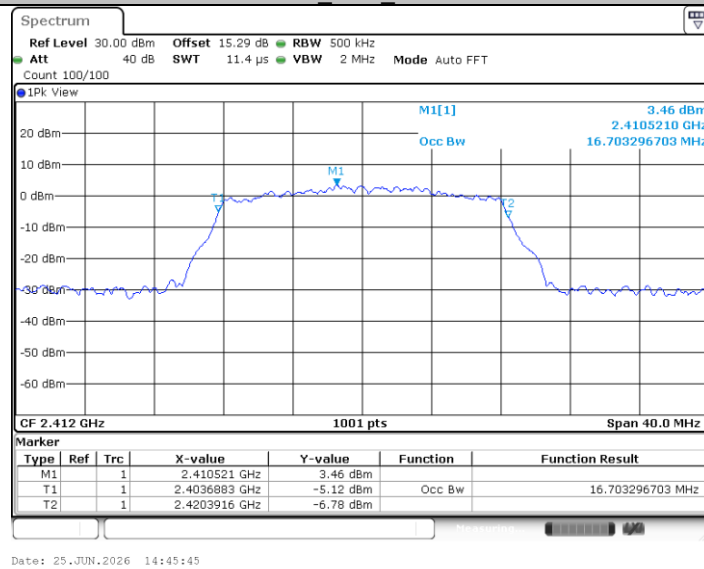
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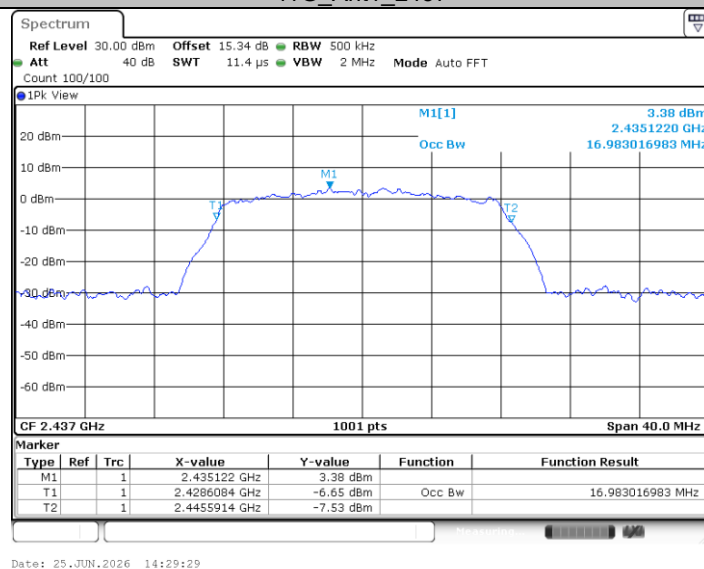
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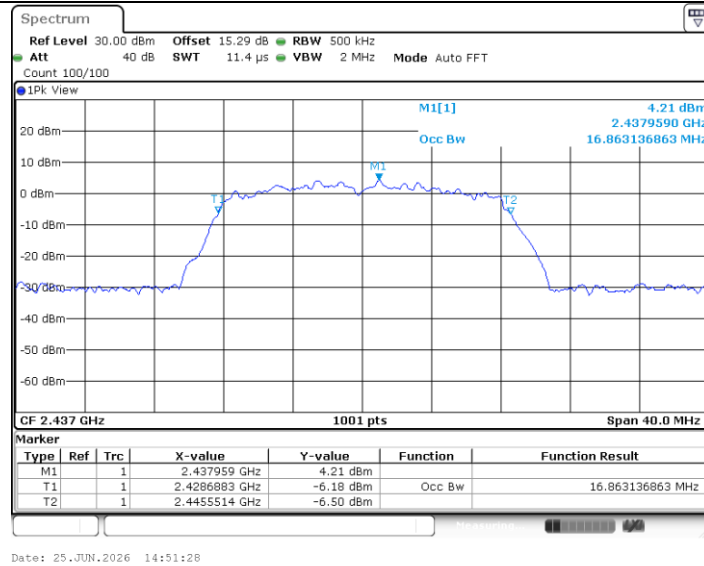
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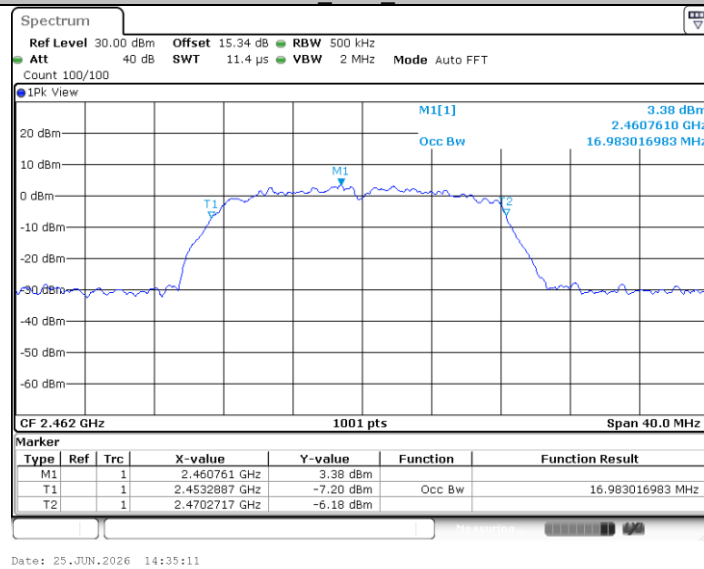
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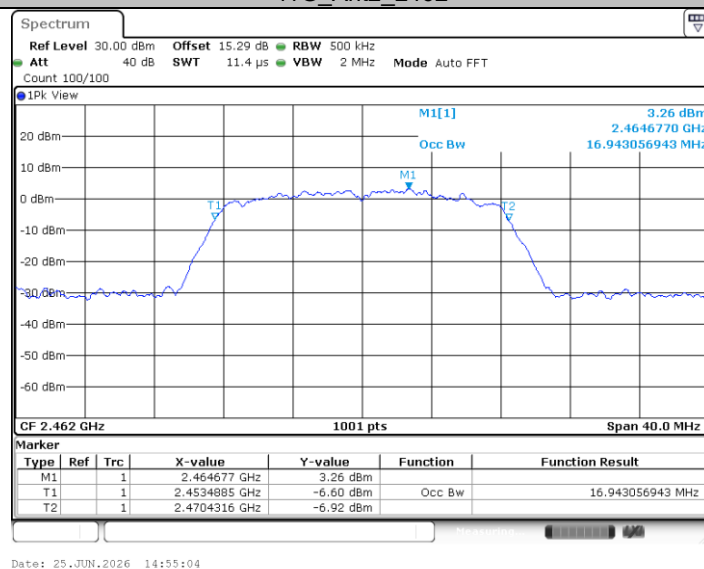
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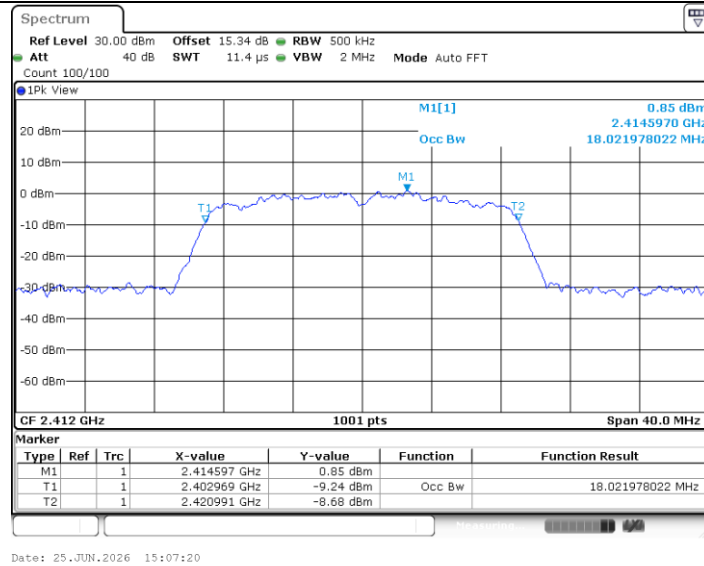
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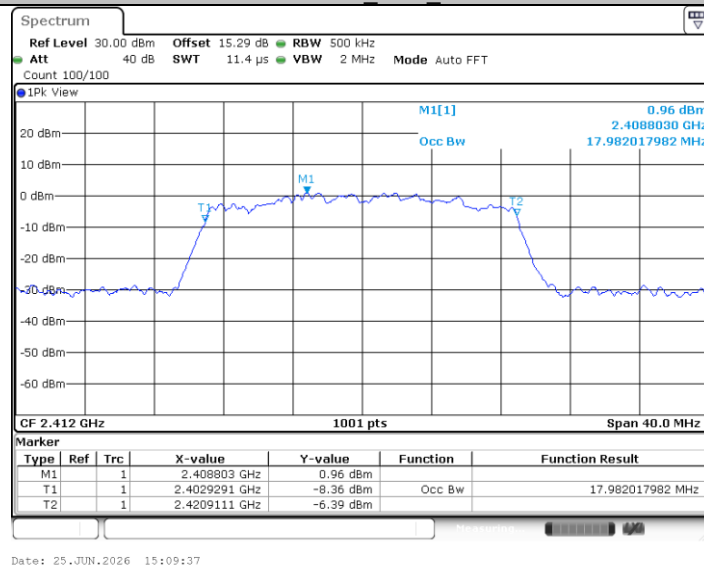
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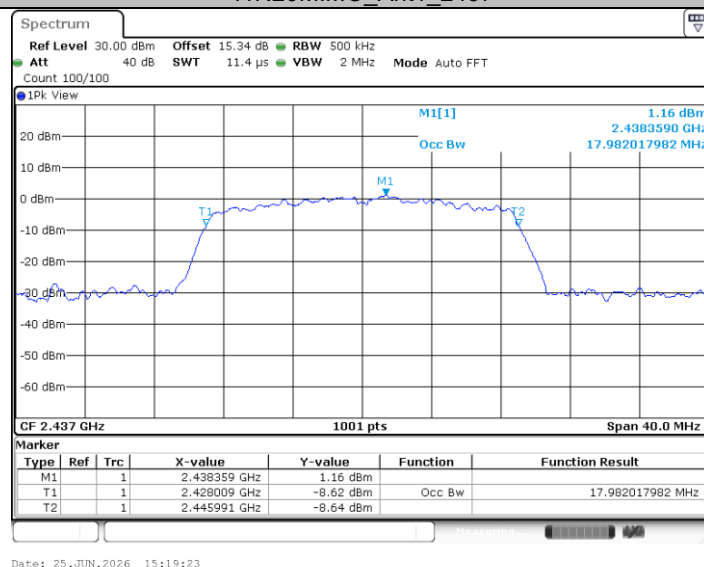
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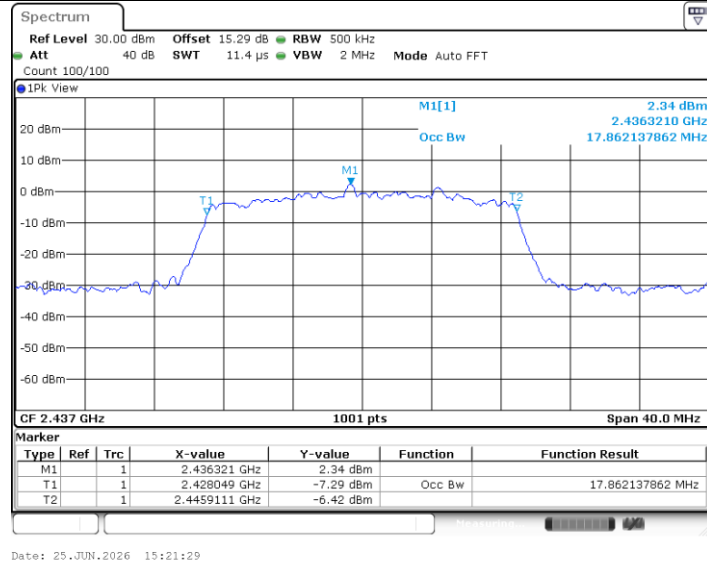
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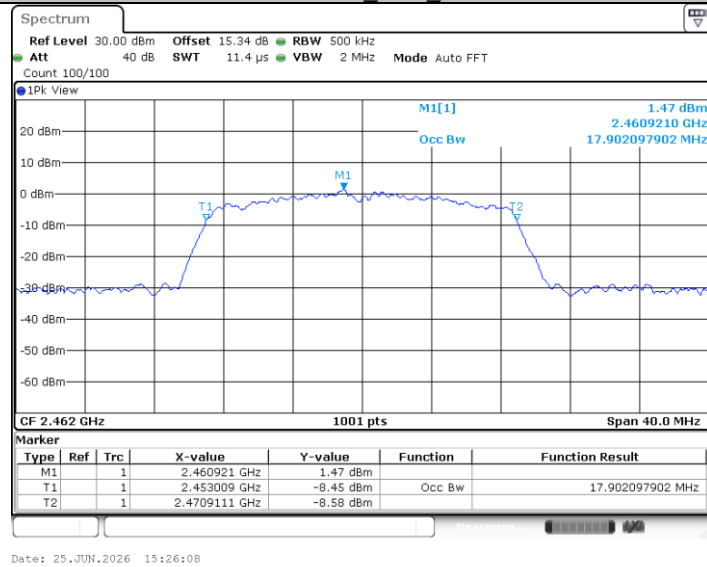
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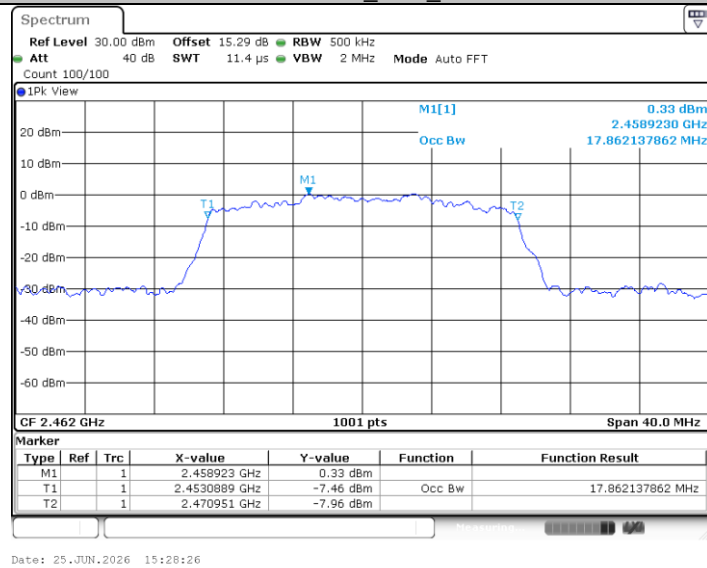
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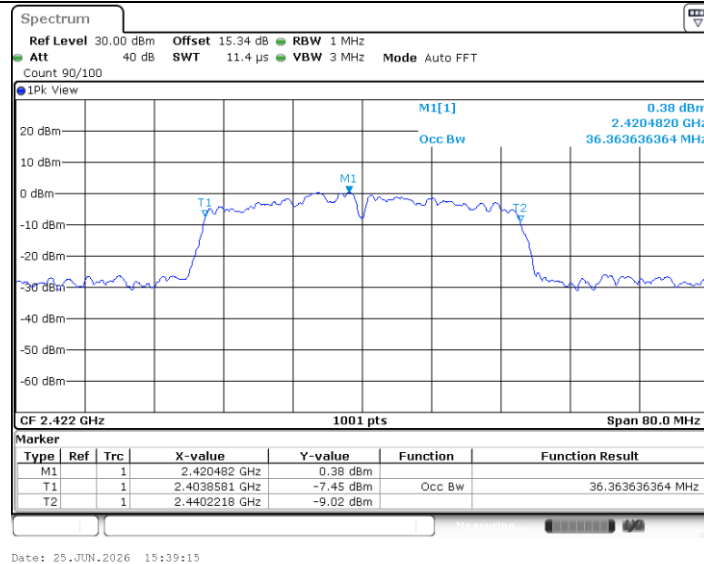
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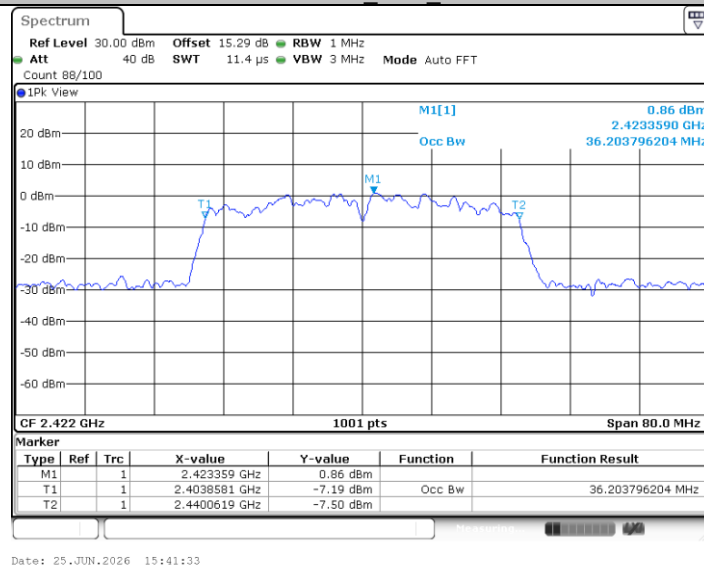
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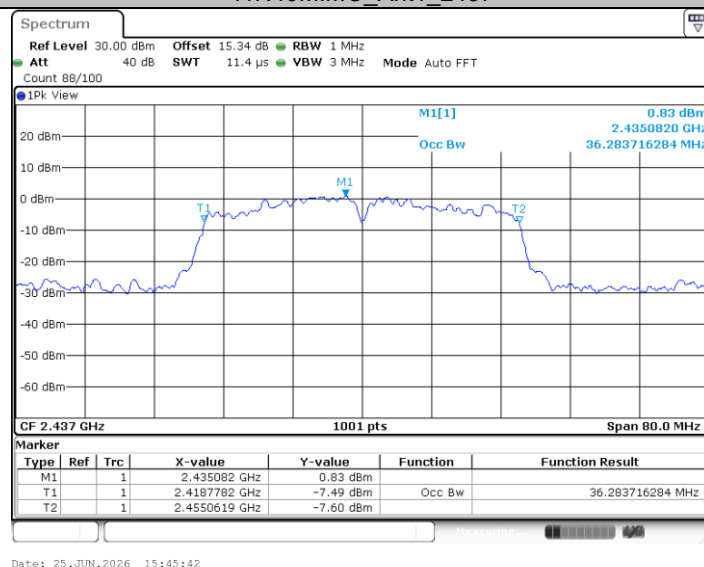
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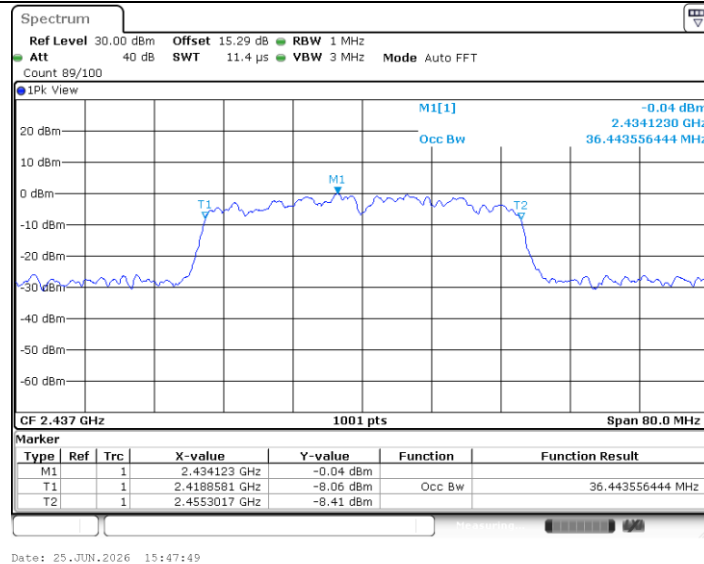
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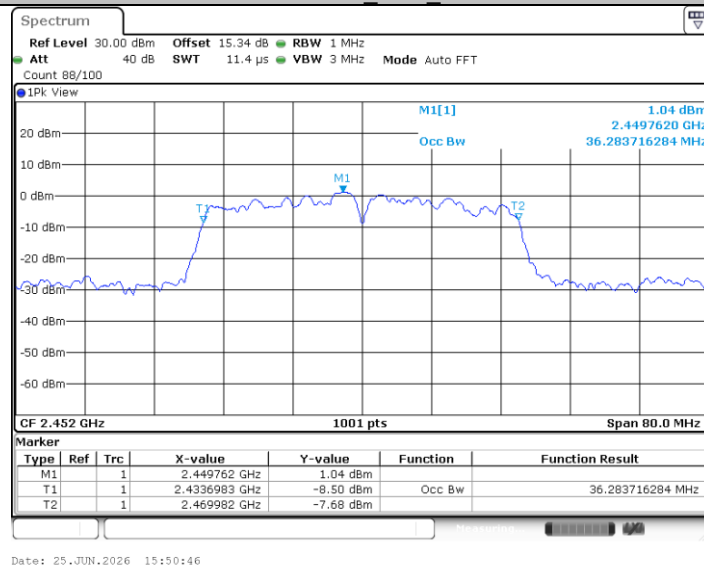
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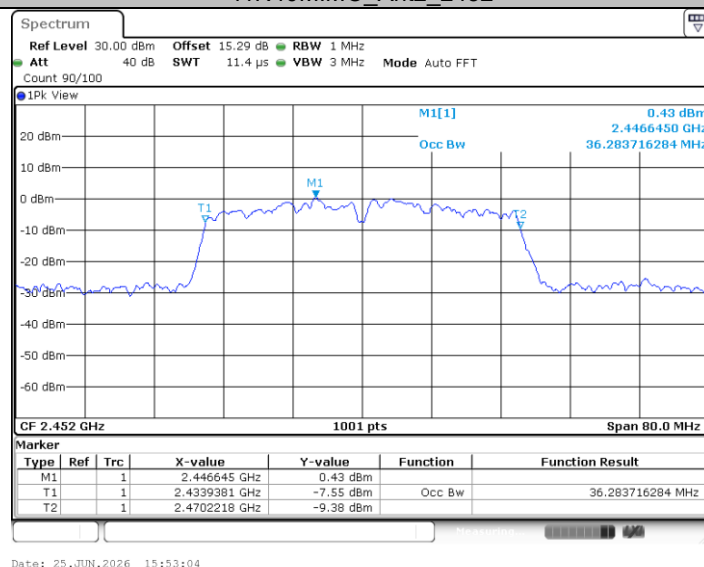
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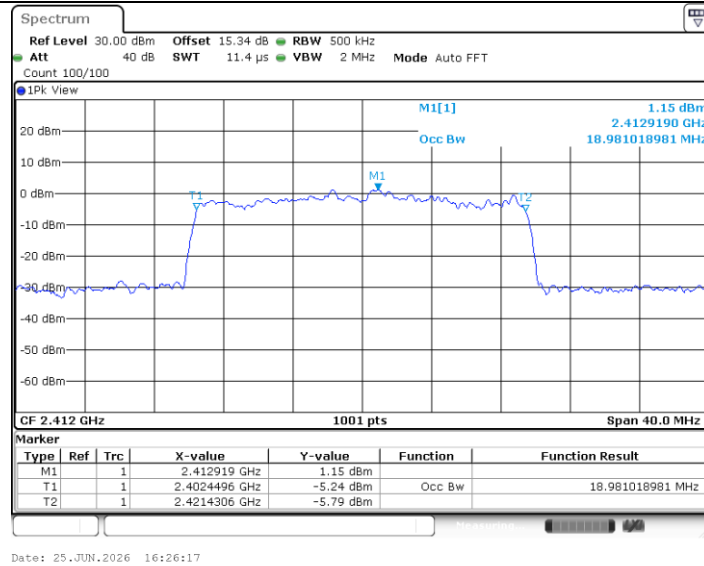
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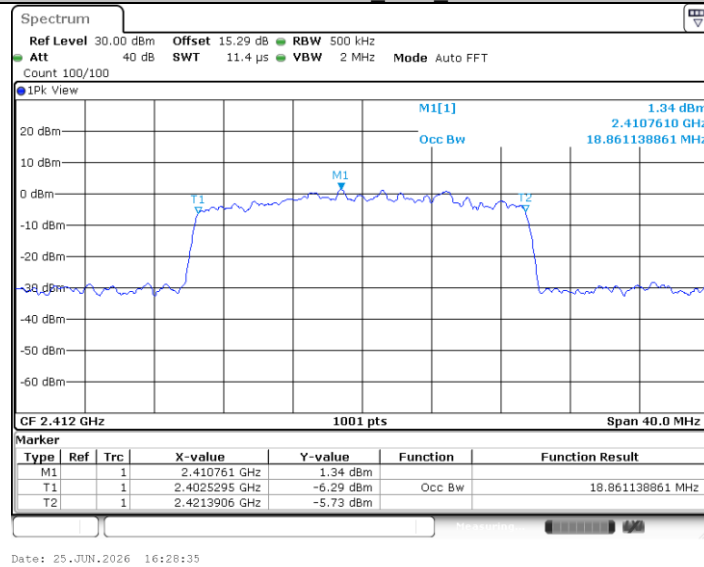
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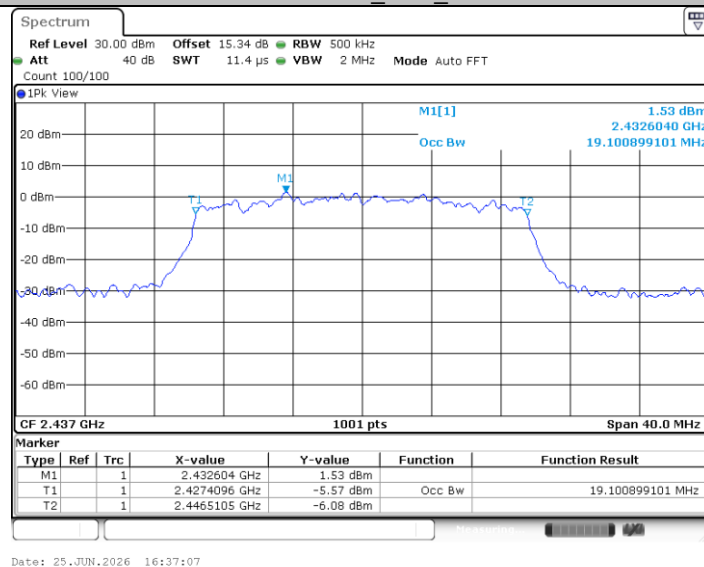
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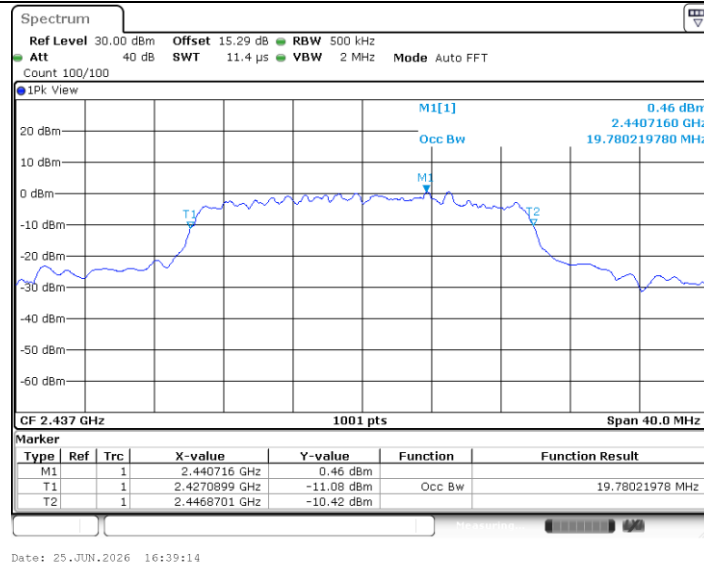
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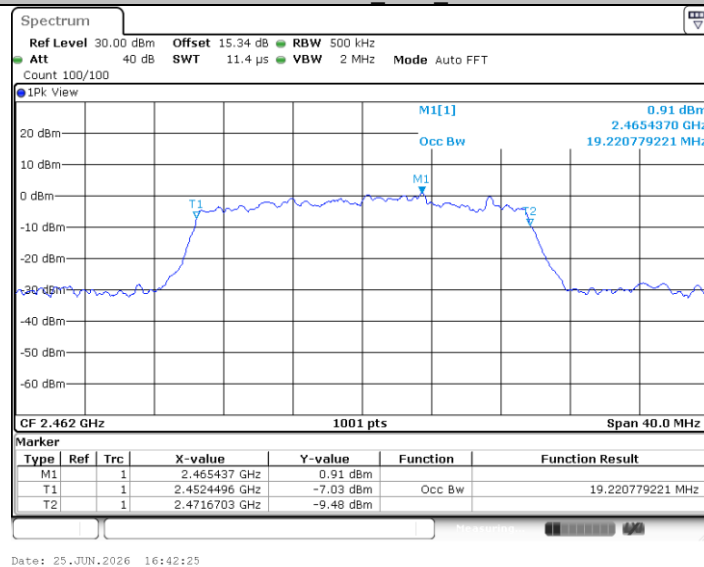
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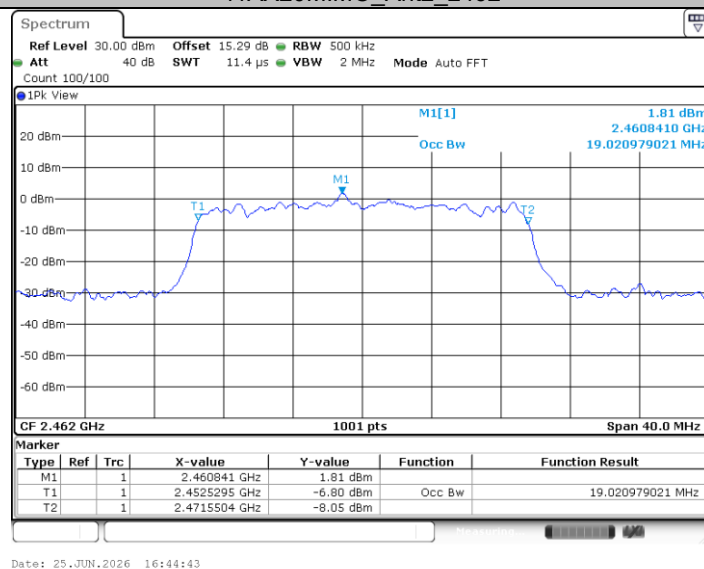
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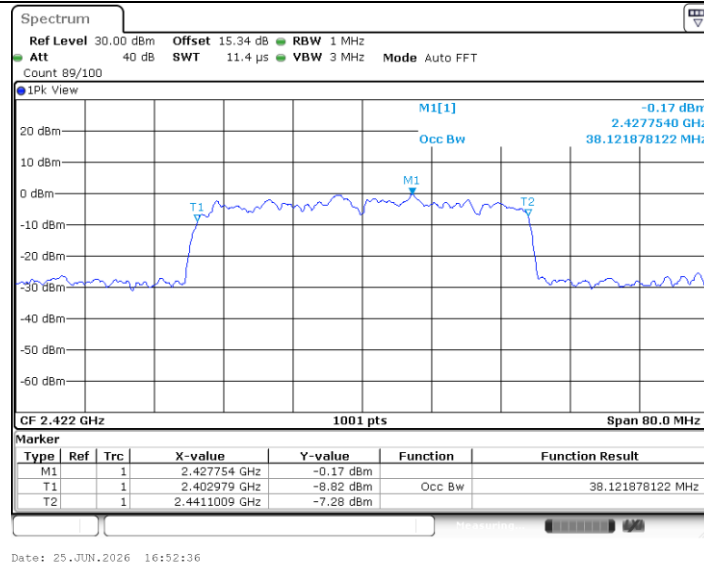
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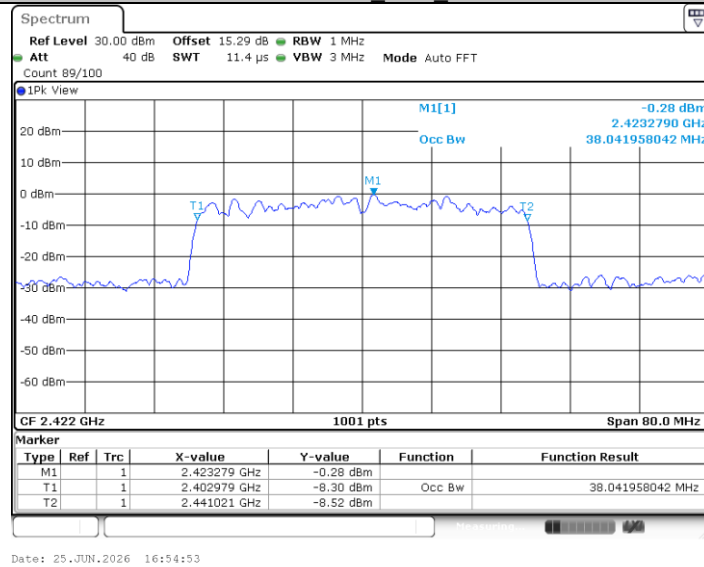
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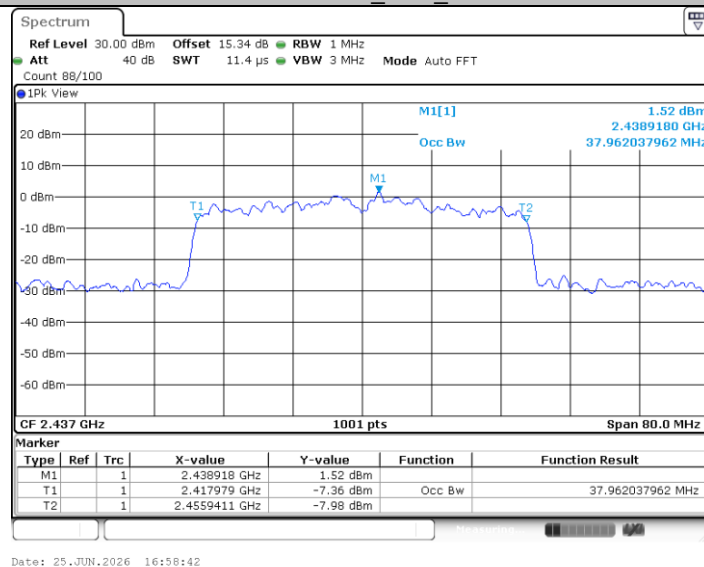
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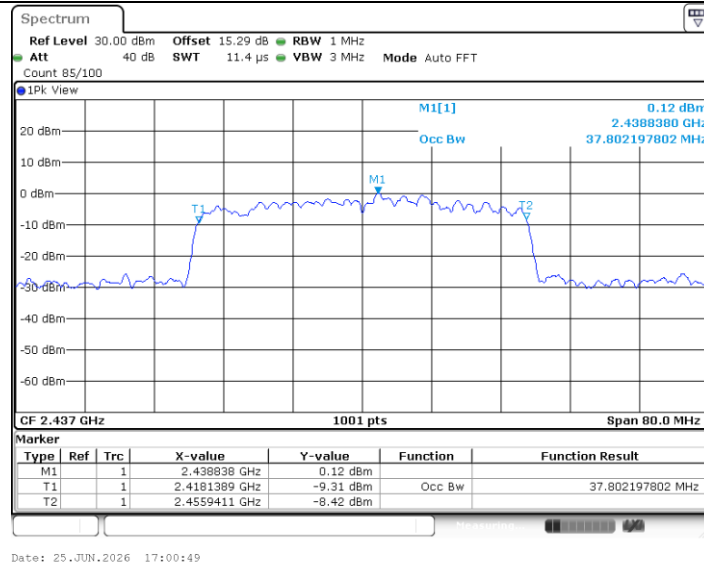
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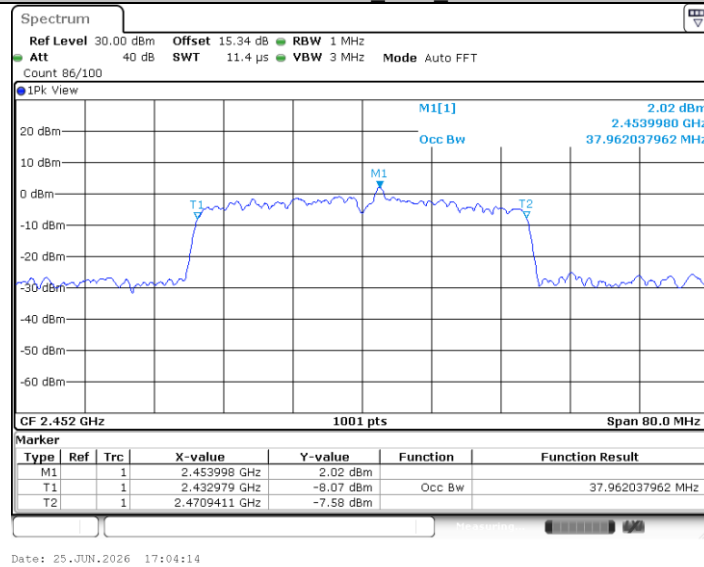
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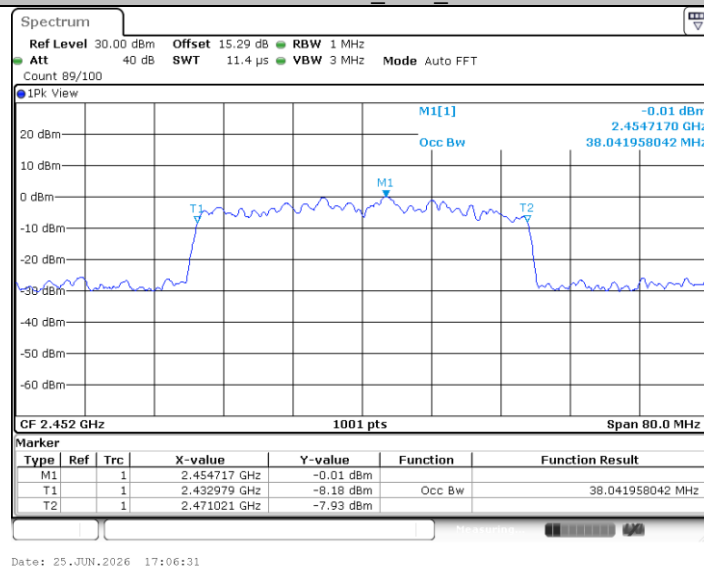
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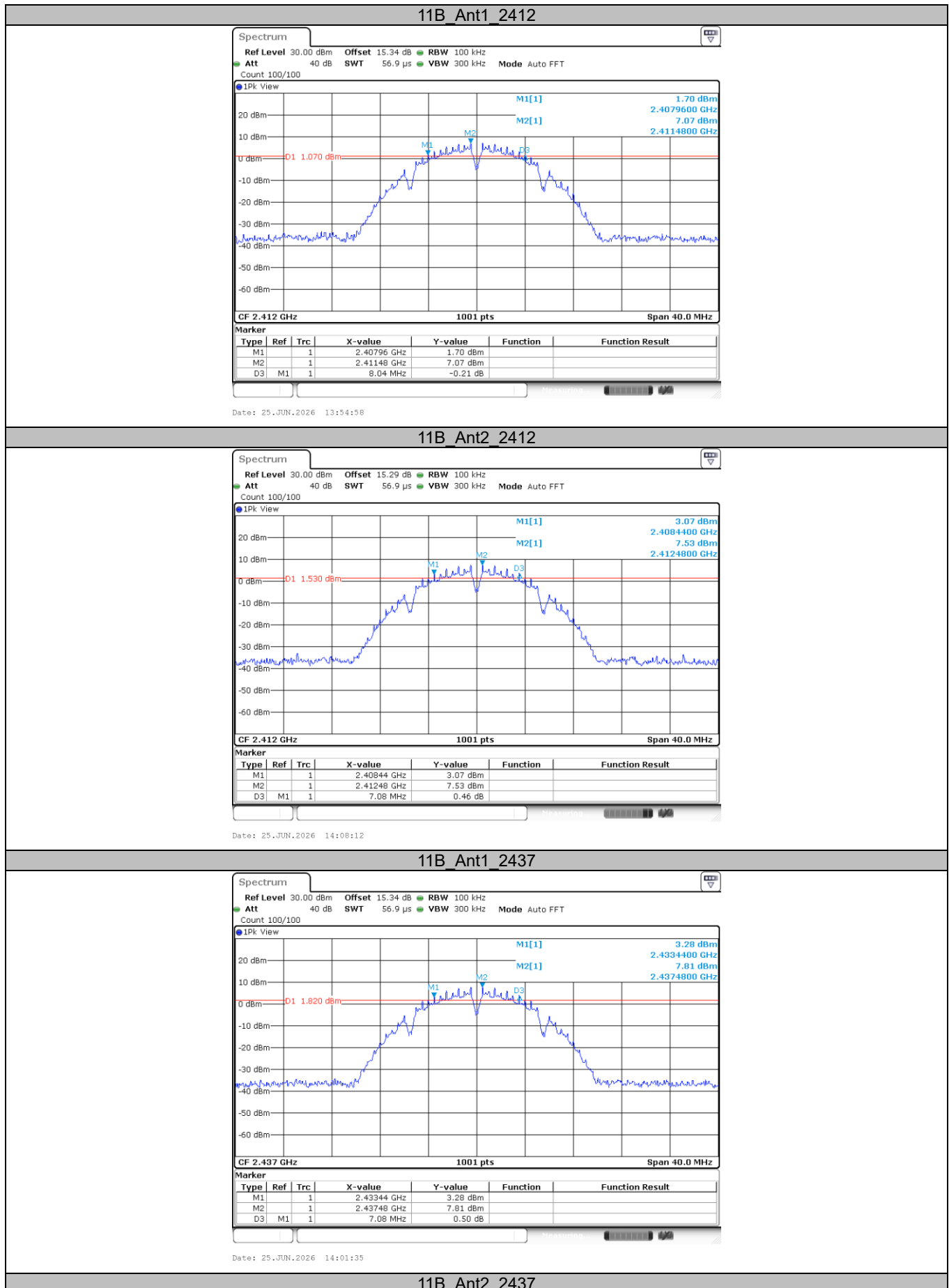


11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452



DTS Bandwidth:

CTC Laboratories, Inc.

Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

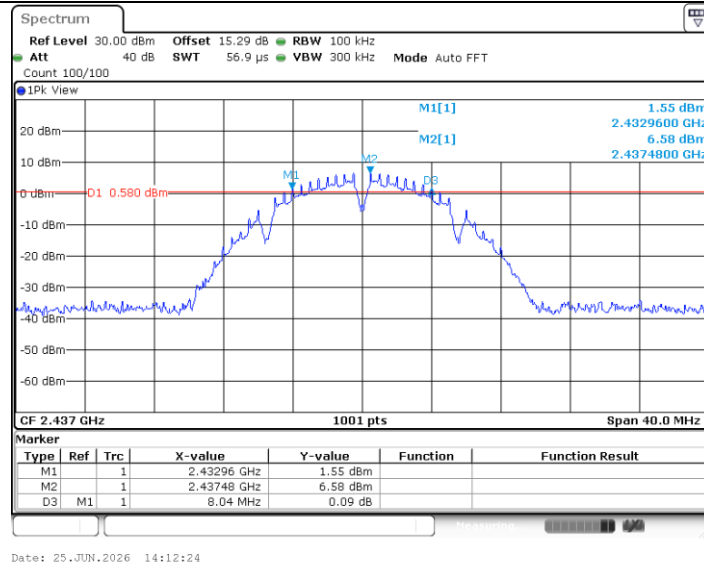
Tel.: (86)755-27521059

Fax: (86)755-27521011

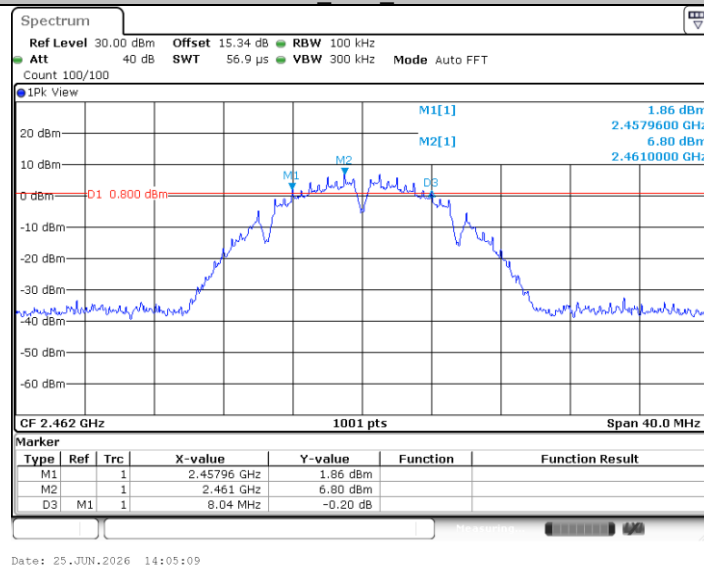
Http://www.sz-ctc.org.cn

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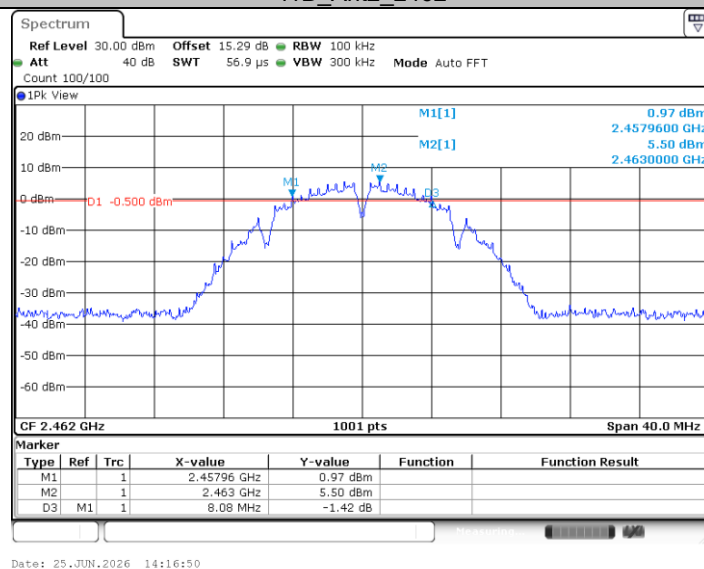
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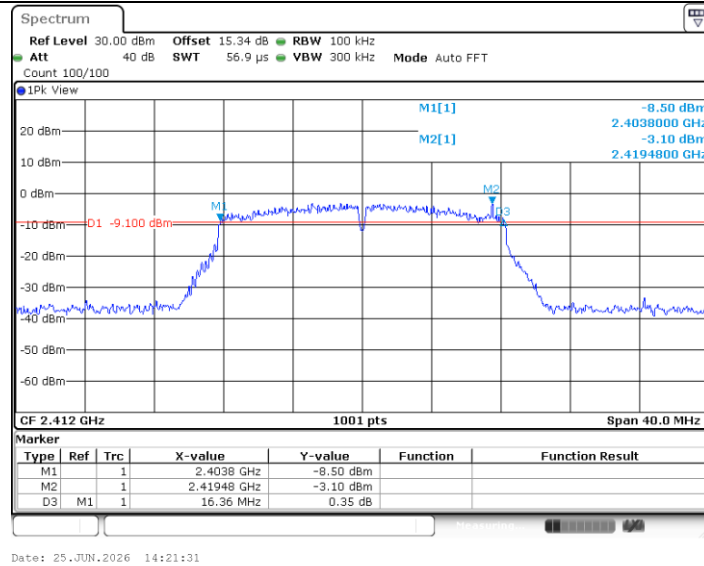
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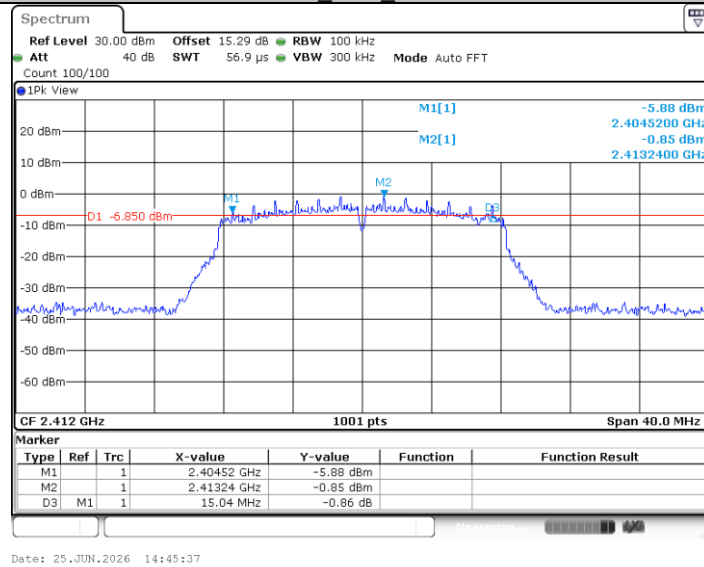
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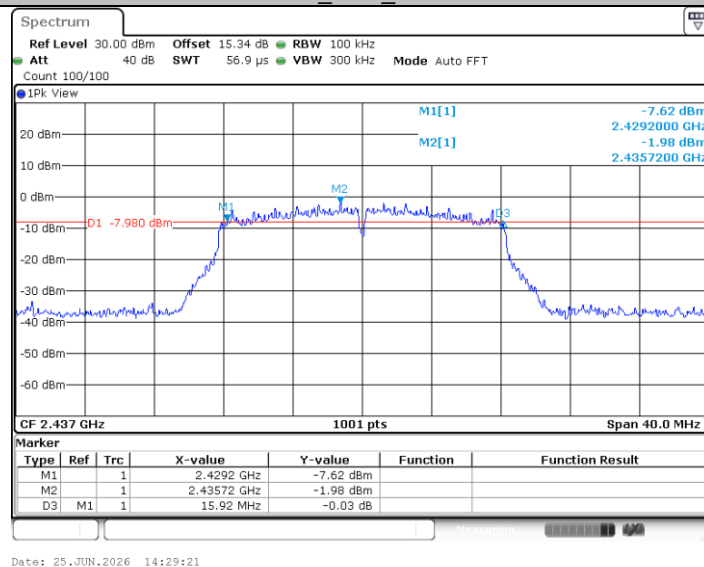
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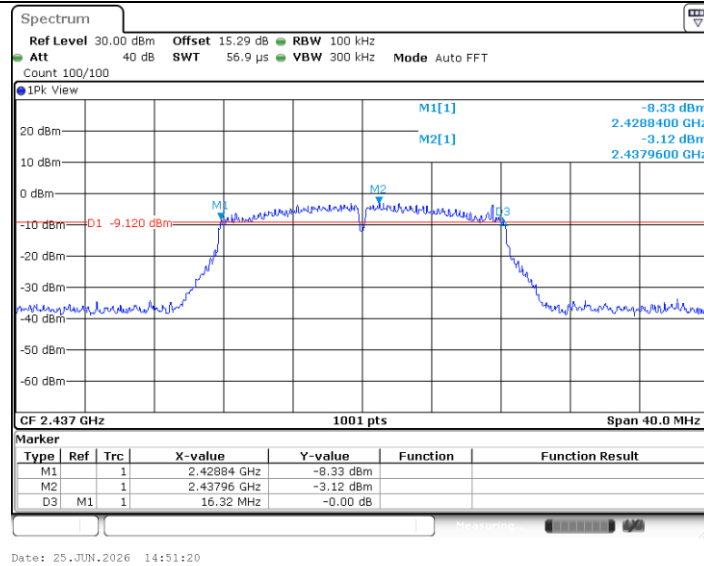
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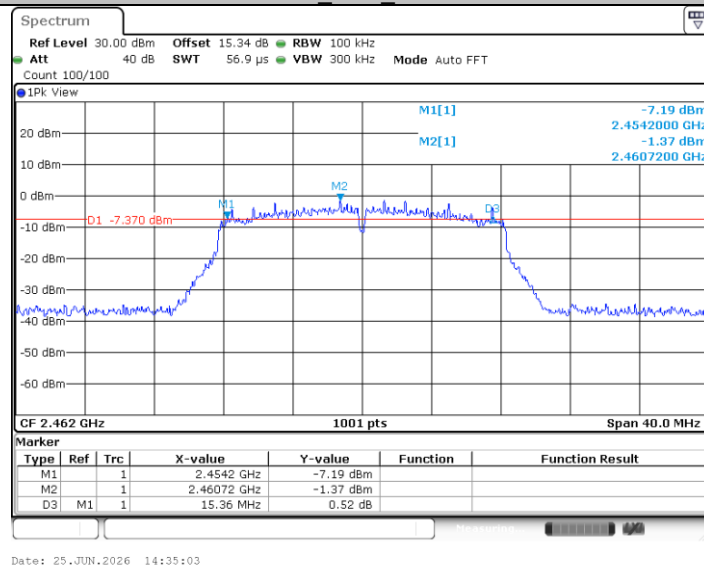
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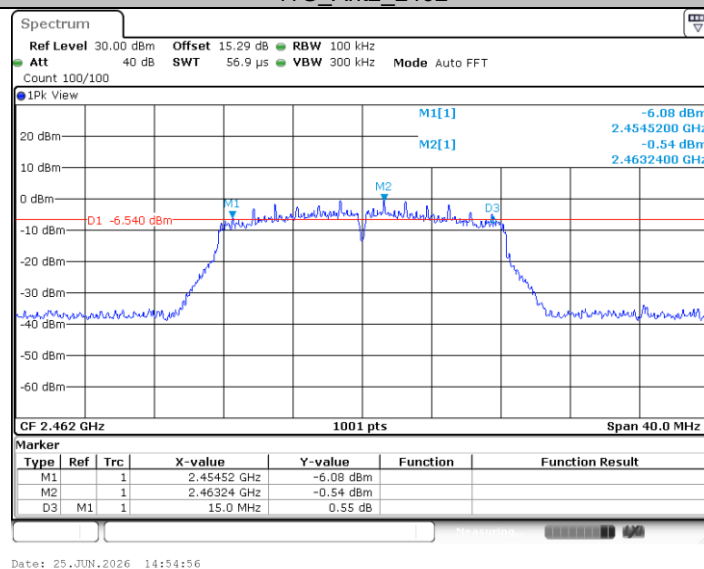
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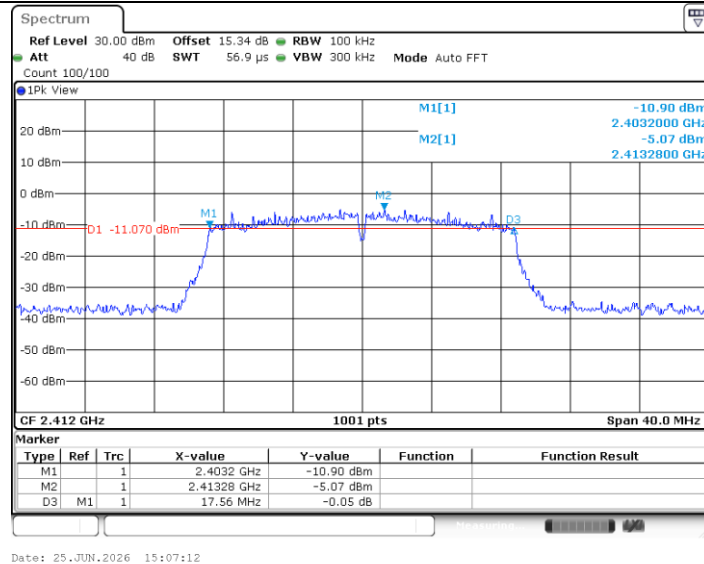
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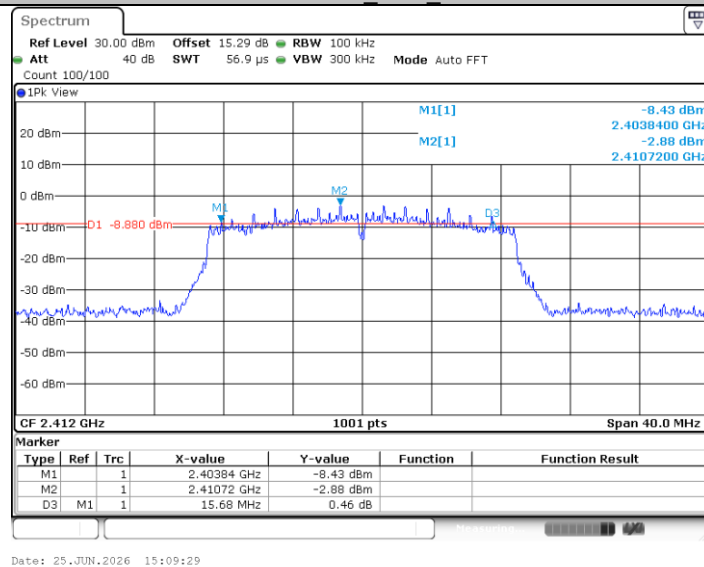
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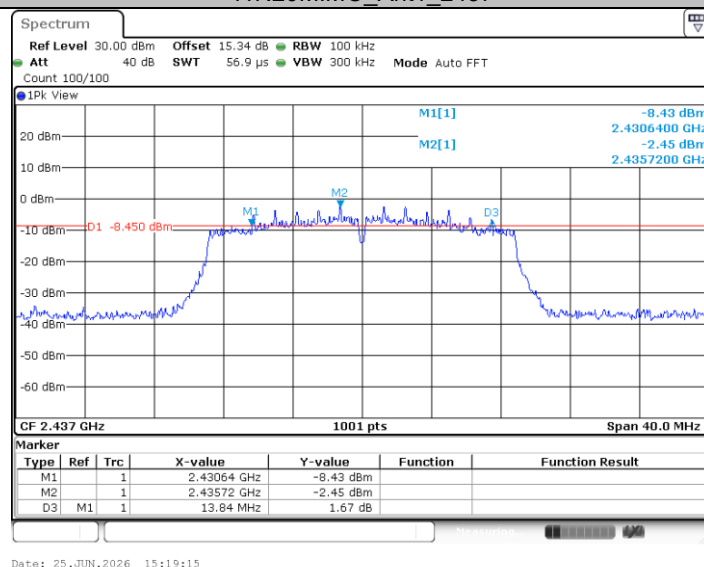
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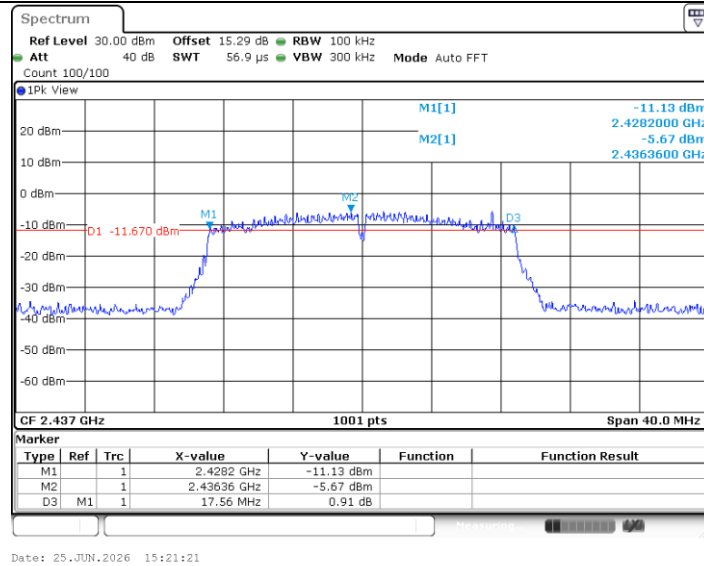
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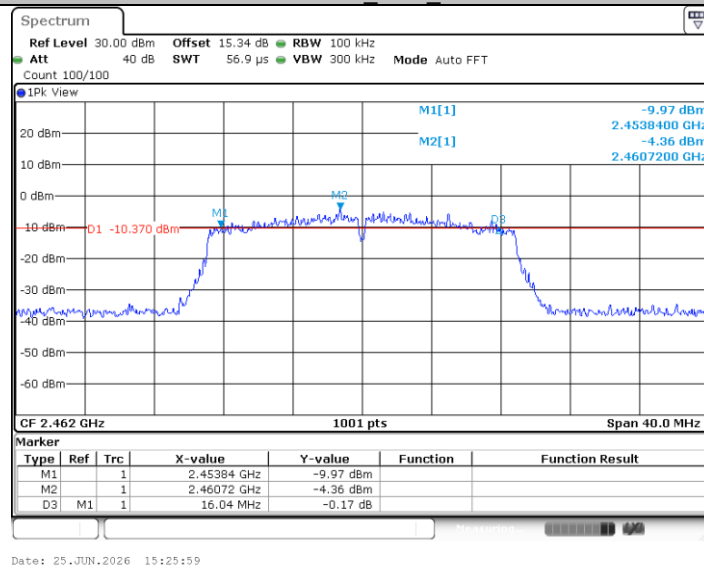
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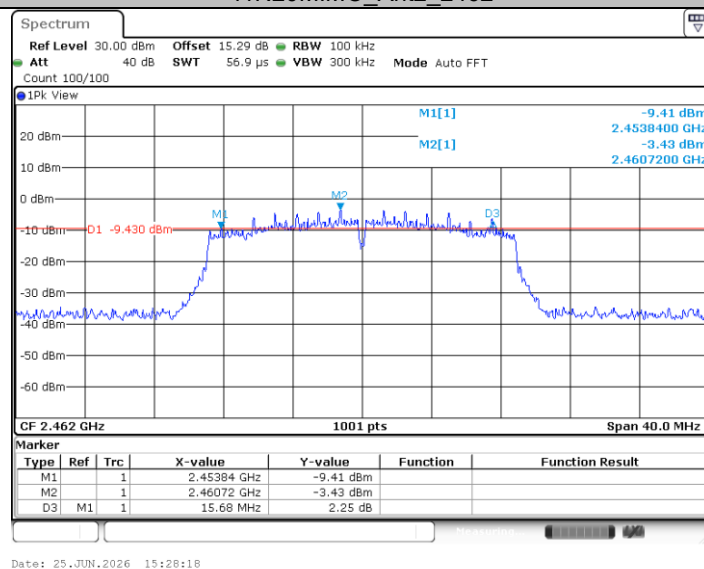
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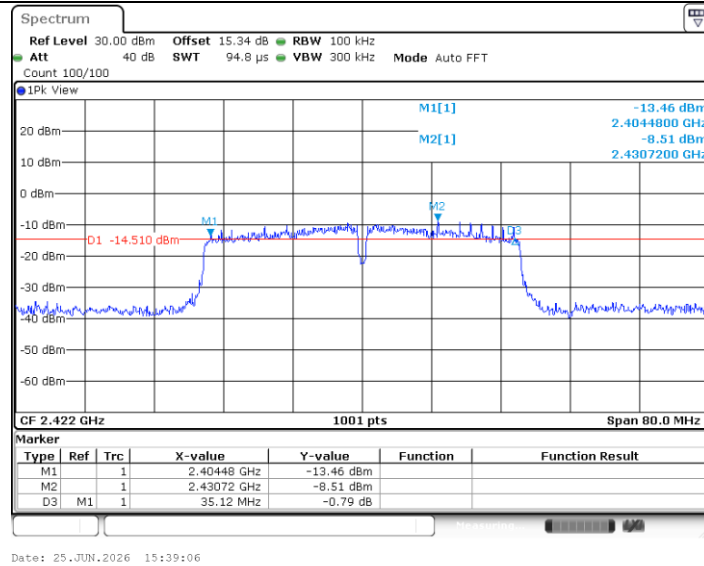
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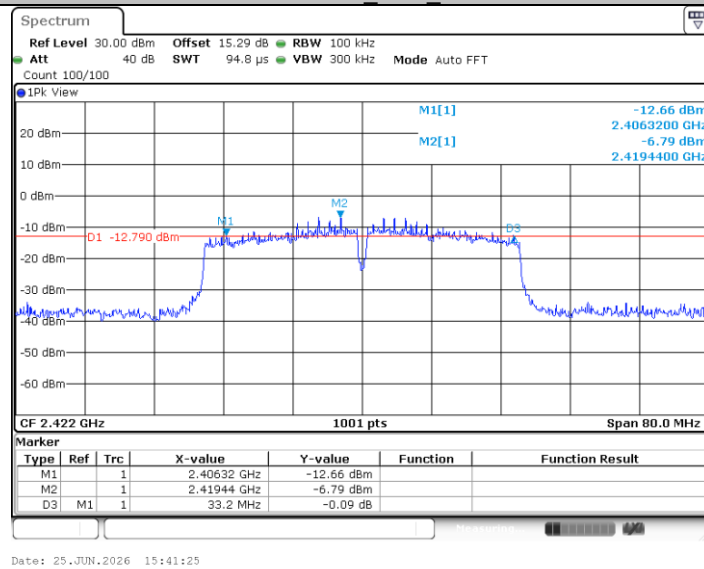
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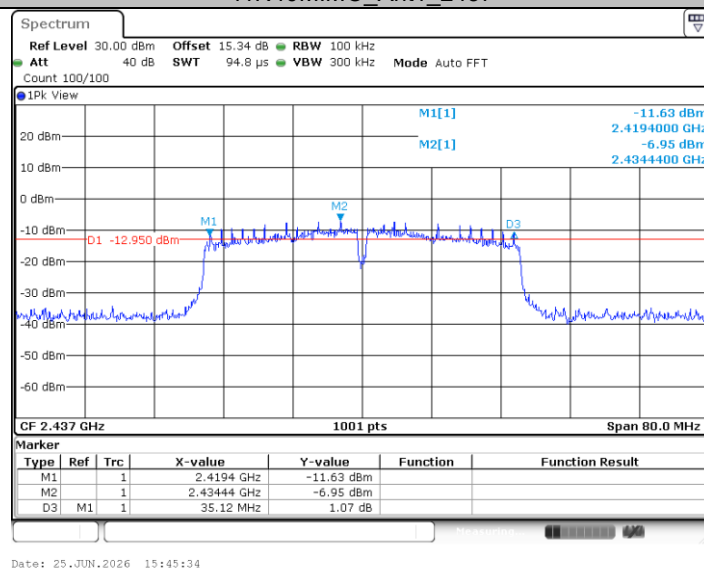
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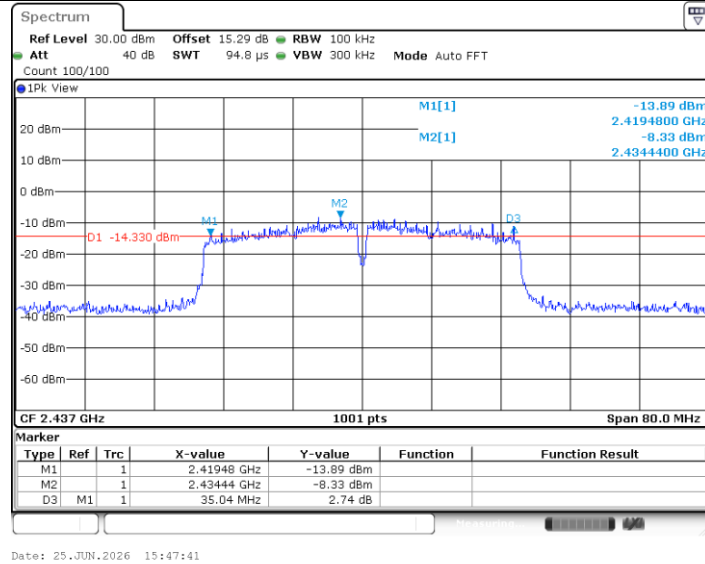
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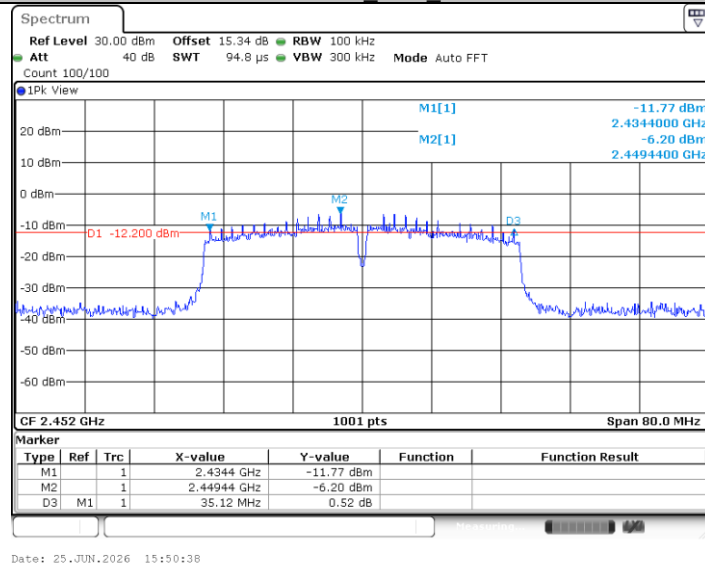
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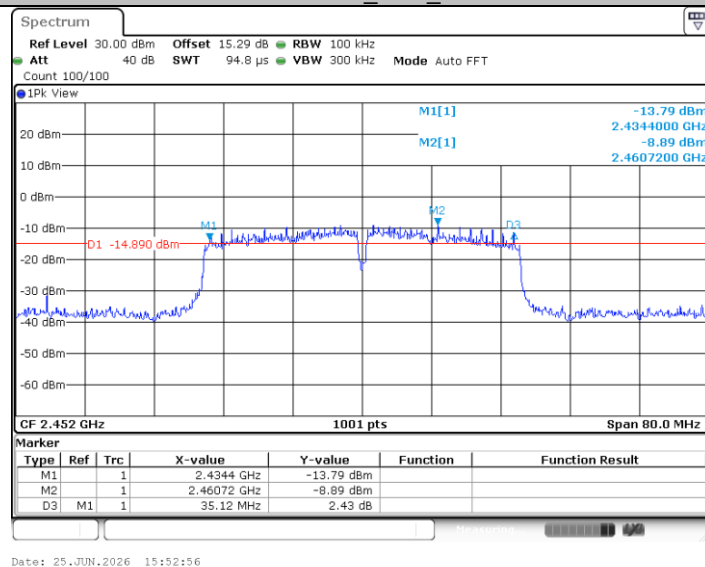
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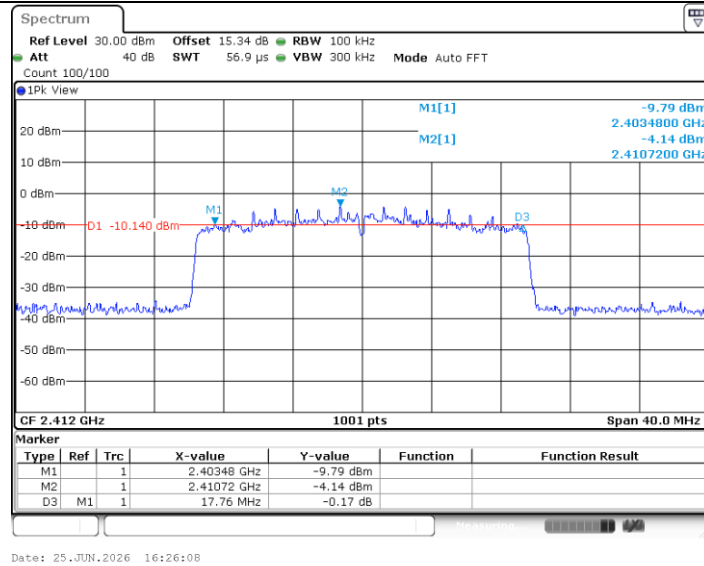
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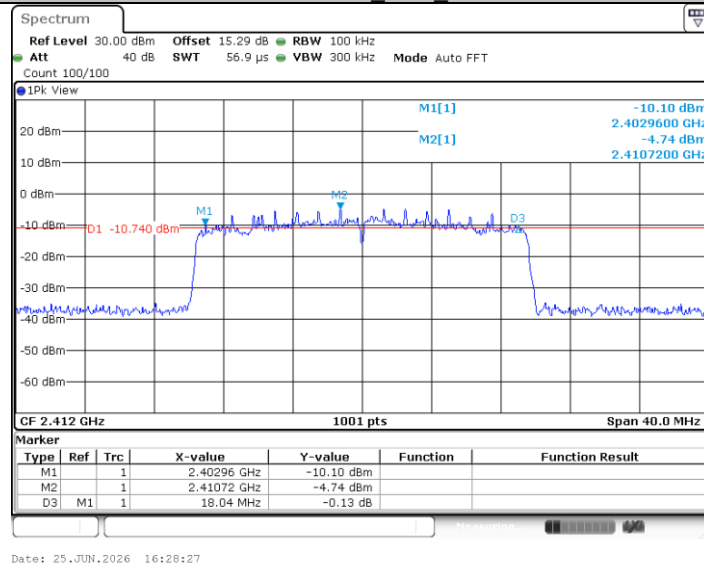
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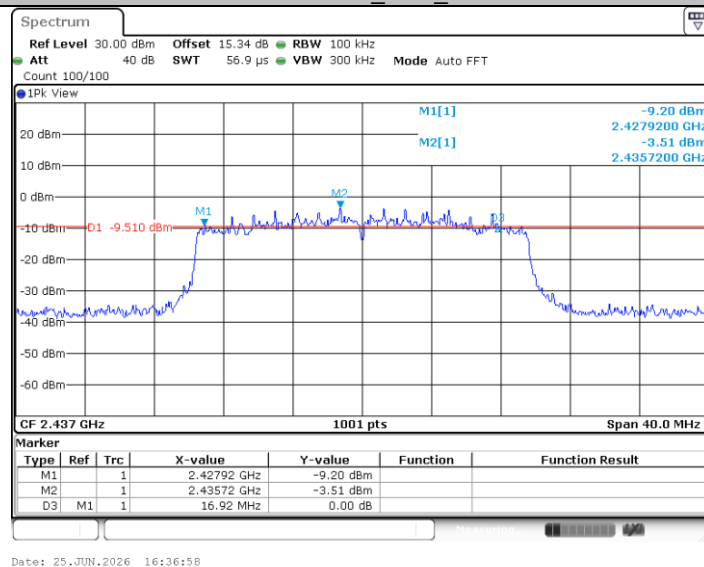
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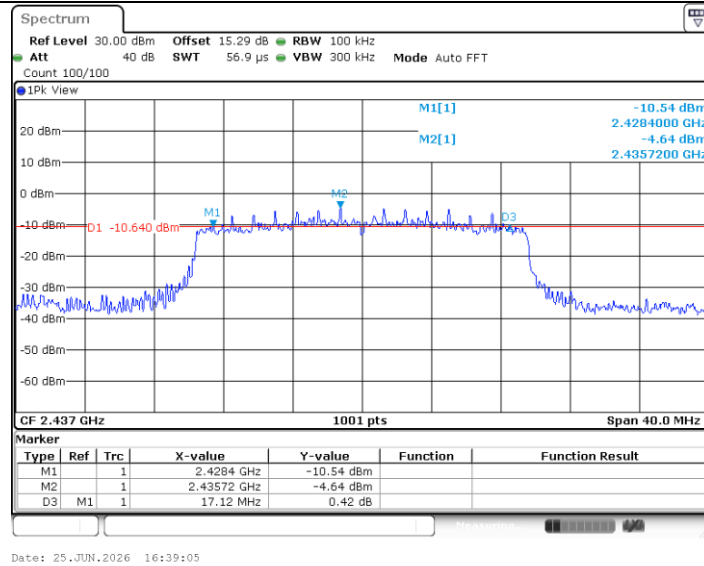
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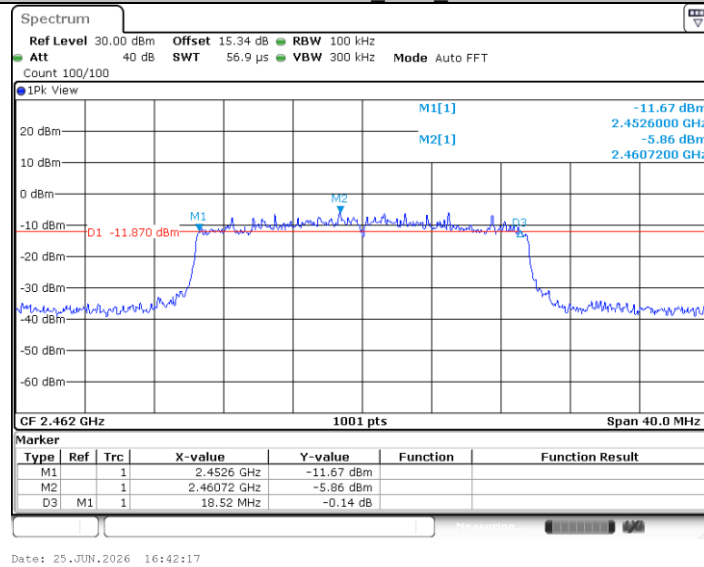
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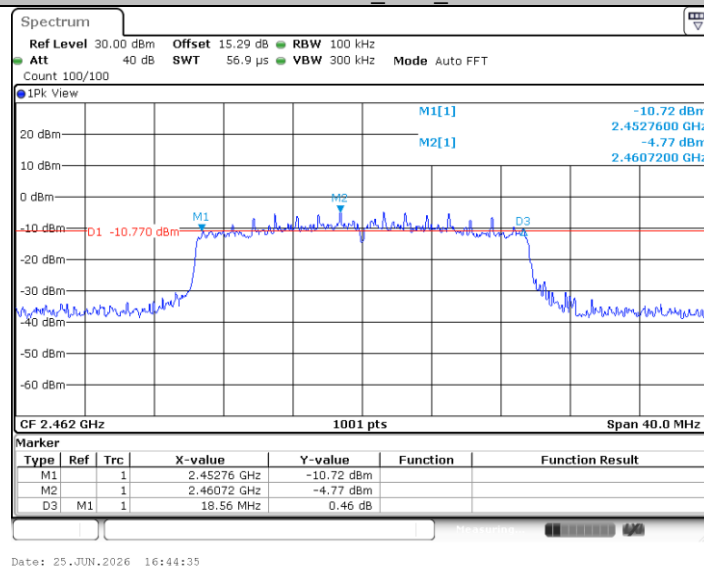
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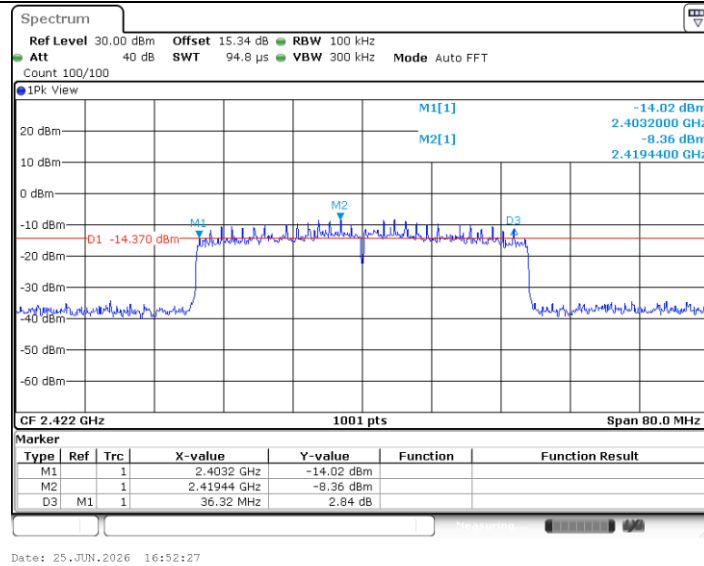
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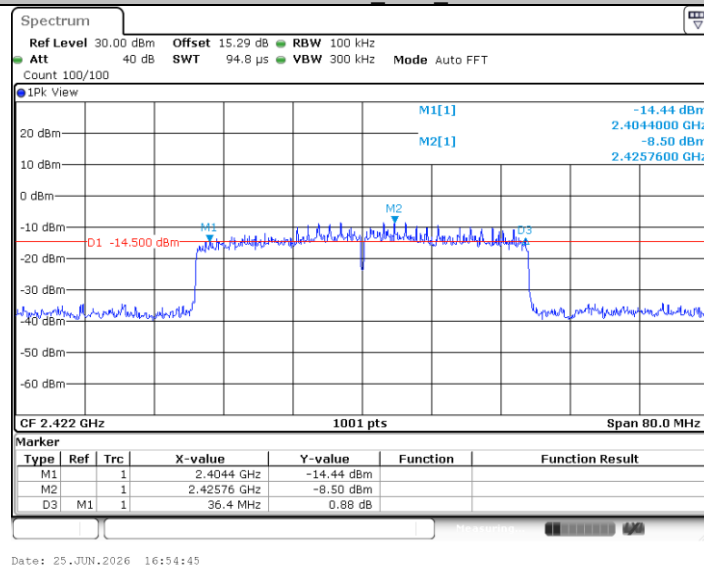
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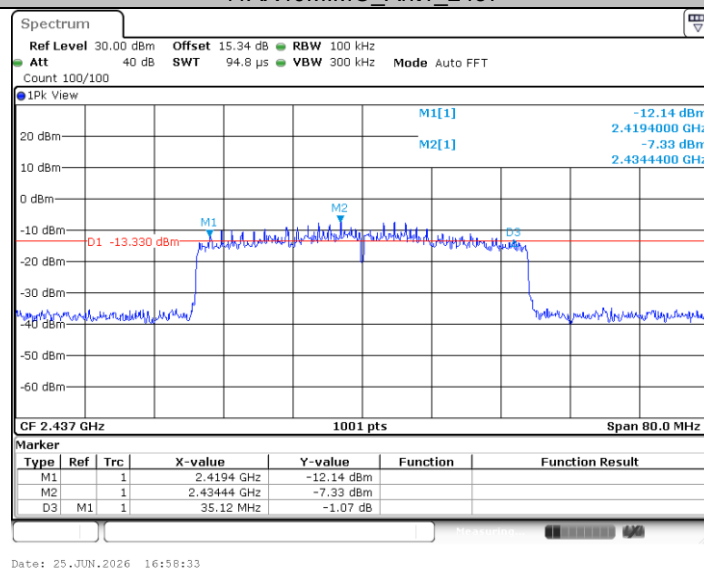
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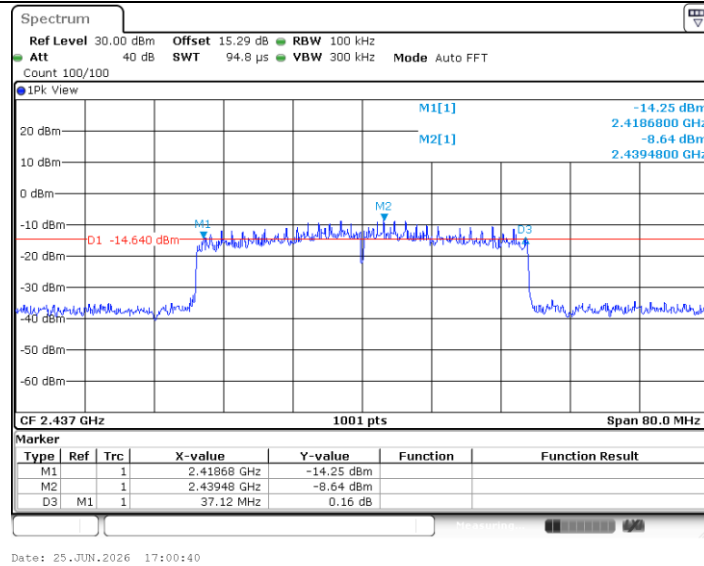
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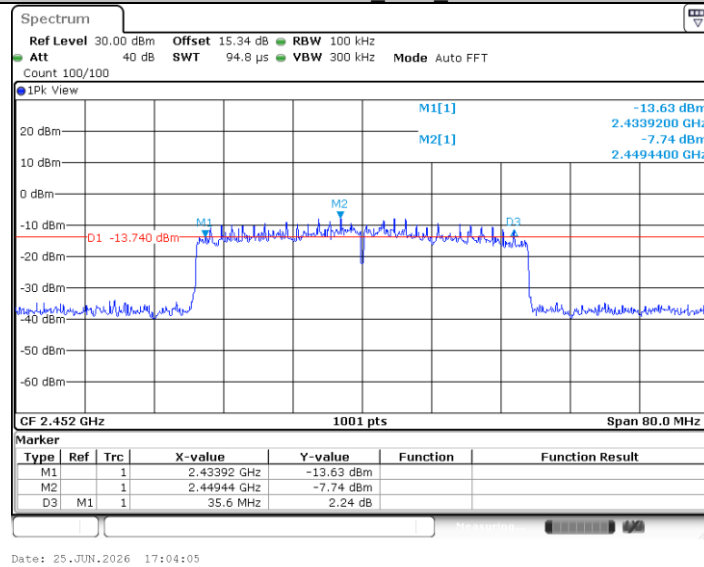
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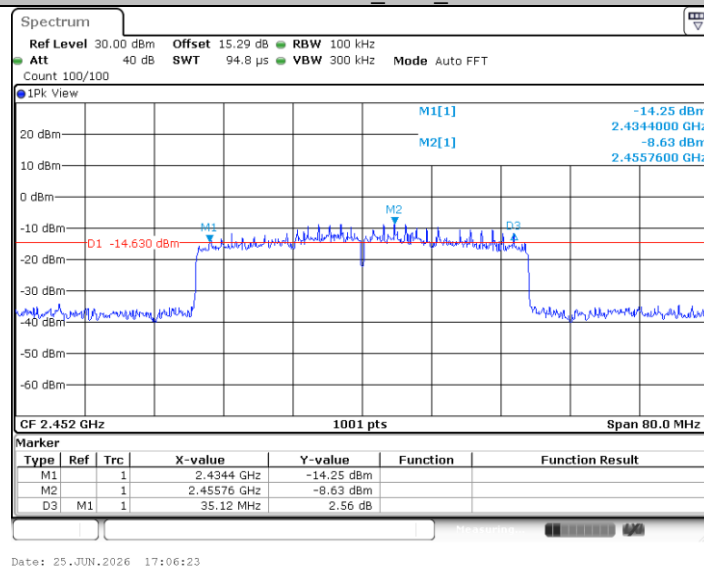
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11AX40MIMO_Ant1_2452



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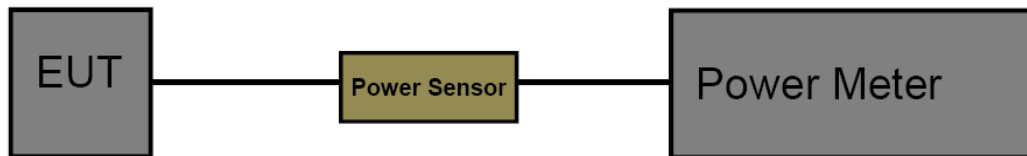
3.6. Peak Output Power

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.

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	18.05	≤29.52	PASS
	Ant2	2412	17.58	≤29.52	PASS
	Ant1	2437	17.91	≤29.52	PASS
	Ant2	2437	17.52	≤29.52	PASS
	Ant1	2462	17.60	≤29.52	PASS
	Ant2	2462	17.35	≤29.52	PASS
11G	Ant1	2412	17.93	≤29.52	PASS
	Ant2	2412	17.39	≤29.52	PASS
	Ant1	2437	17.69	≤29.52	PASS
	Ant2	2437	17.64	≤29.52	PASS
	Ant1	2462	17.53	≤29.52	PASS
	Ant2	2462	17.35	≤29.52	PASS
11N20MIMO	Ant1	2412	15.14	/	PASS
	Ant2	2412	15.20	/	PASS
	total	2412	18.18	≤26.51	PASS
	Ant1	2437	15.09	/	PASS
	Ant2	2437	15.03	/	PASS
	total	2437	18.07	≤26.51	PASS
	Ant1	2462	14.96	/	PASS
	Ant2	2462	14.64	/	PASS
11N40MIMO	total	2462	17.81	≤26.51	PASS
	Ant1	2422	14.08	/	PASS
	Ant2	2422	14.02	/	PASS
	total	2422	17.06	≤26.51	PASS
	Ant1	2437	14.63	/	PASS
	Ant2	2437	13.98	/	PASS
	total	2437	17.33	≤26.51	PASS
	Ant1	2452	14.42	/	PASS
11AX20MIMO	Ant2	2452	13.96	/	PASS
	total	2452	17.21	≤26.51	PASS
	Ant1	2412	14.82	/	PASS
	Ant2	2412	14.56	/	PASS
	total	2412	17.70	≤26.51	PASS
	Ant1	2437	15.29	/	PASS
	Ant2	2437	14.49	/	PASS
	total	2437	17.92	≤26.51	PASS
11AX40MIMO	Ant1	2462	14.85	/	PASS
	Ant2	2462	14.62	/	PASS
	total	2462	17.75	≤26.51	PASS
	Ant1	2422	13.60	/	PASS
	Ant2	2422	13.49	/	PASS
	total	2422	16.56	≤26.51	PASS
	Ant1	2437	14.13	/	PASS
	Ant2	2437	13.38	/	PASS
11AX40MIMO	total	2437	16.78	≤26.51	PASS
	Ant1	2452	13.90	/	PASS
	Ant2	2452	13.31	/	PASS
	total	2452	16.63	≤26.51	PASS

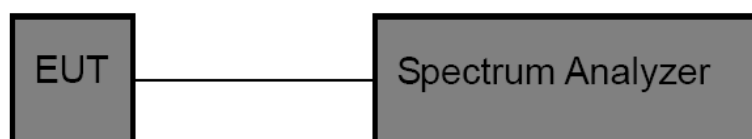
3.7. Power Spectral Density

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

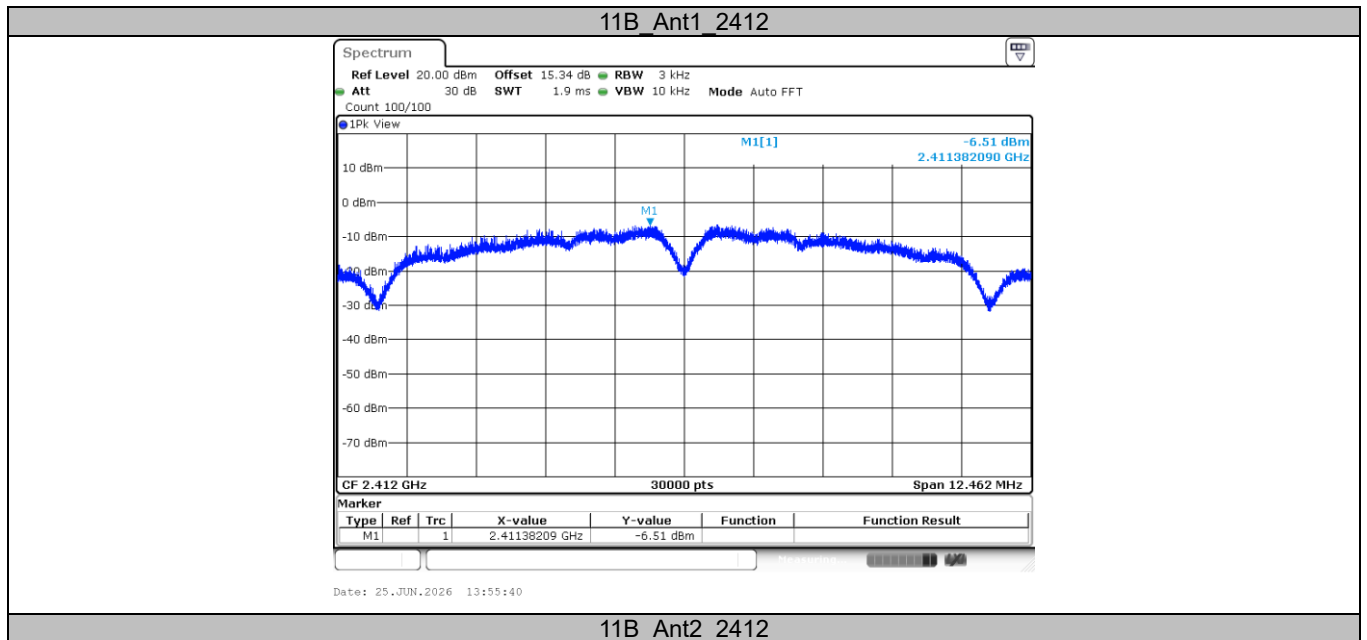
Please refer to the clause 2.4.

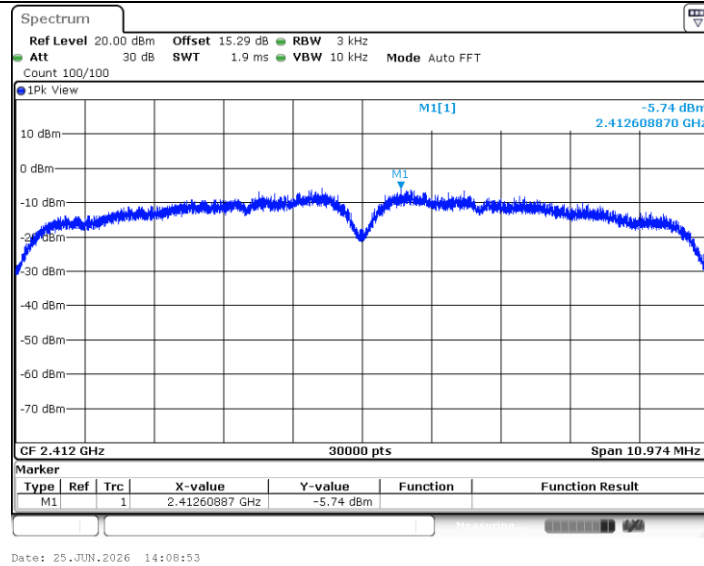
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.51	≤7.52	PASS
	Ant2	2412	-5.74	≤7.52	PASS
	Ant1	2437	-5.89	≤7.52	PASS
	Ant2	2437	-6.86	≤7.52	PASS
	Ant1	2462	-6.93	≤7.52	PASS
	Ant2	2462	-6.44	≤7.52	PASS
11G	Ant1	2412	-13.20	≤7.52	PASS
	Ant2	2412	-13.21	≤7.52	PASS
	Ant1	2437	-13.71	≤7.52	PASS
	Ant2	2437	-13.52	≤7.52	PASS
	Ant1	2462	-13.07	≤7.52	PASS
	Ant2	2462	-13.15	≤7.52	PASS
11N20MIMO	Ant1	2412	-16.24	/	PASS
	Ant2	2412	-15.47	/	PASS
	total	2412	-12.83	≤4.51	PASS

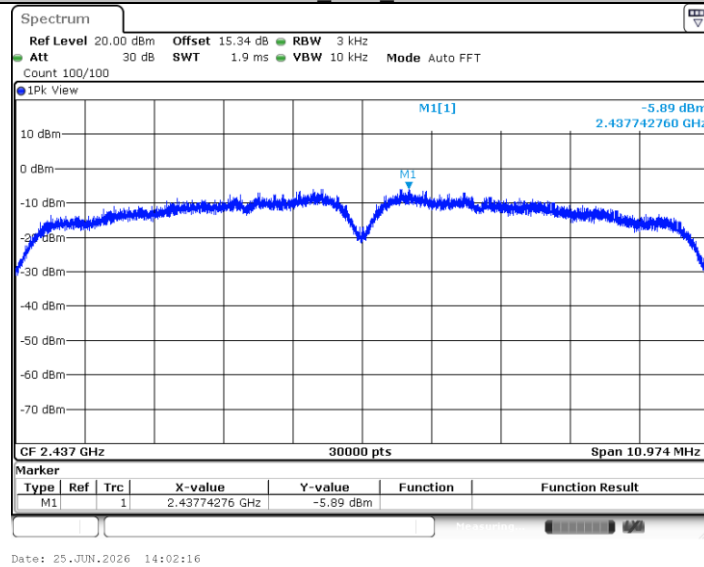
	Ant1	2437	-15.71	/	PASS
	Ant2	2437	-17.11	/	PASS
	total	2437	-13.34	≤4.51	PASS
	Ant1	2462	-15.49	/	PASS
	Ant2	2462	-17.56	/	PASS
	total	2462	-13.39	≤4.51	PASS
11N40MIMO	Ant1	2422	-20.25	/	PASS
	Ant2	2422	-20.64	/	PASS
	total	2422	-17.43	≤4.51	PASS
	Ant1	2437	-19.07	/	PASS
	Ant2	2437	-21.13	/	PASS
	total	2437	-16.97	≤4.51	PASS
	Ant1	2452	-19.85	/	PASS
	Ant2	2452	-21.10	/	PASS
	total	2452	-17.42	≤4.51	PASS
11AX20MIMO	Ant1	2412	-18.72	/	PASS
	Ant2	2412	-17.92	/	PASS
	total	2412	-15.29	≤4.51	PASS
	Ant1	2437	-17.36	/	PASS
	Ant2	2437	-18.49	/	PASS
	total	2437	-14.88	≤4.51	PASS
	Ant1	2462	-18.48	/	PASS
	Ant2	2462	-18.00	/	PASS
	total	2462	-15.22	≤4.51	PASS
11AX40MIMO	Ant1	2422	-22.34	/	PASS
	Ant2	2422	-22.73	/	PASS
	total	2422	-19.52	≤4.51	PASS
	Ant1	2437	-21.36	/	PASS
	Ant2	2437	-22.97	/	PASS
	total	2437	-19.08	≤4.51	PASS
	Ant1	2452	-22.61	/	PASS
	Ant2	2452	-22.76	/	PASS
	total	2452	-19.67	≤4.51	PASS

Test Graphs:

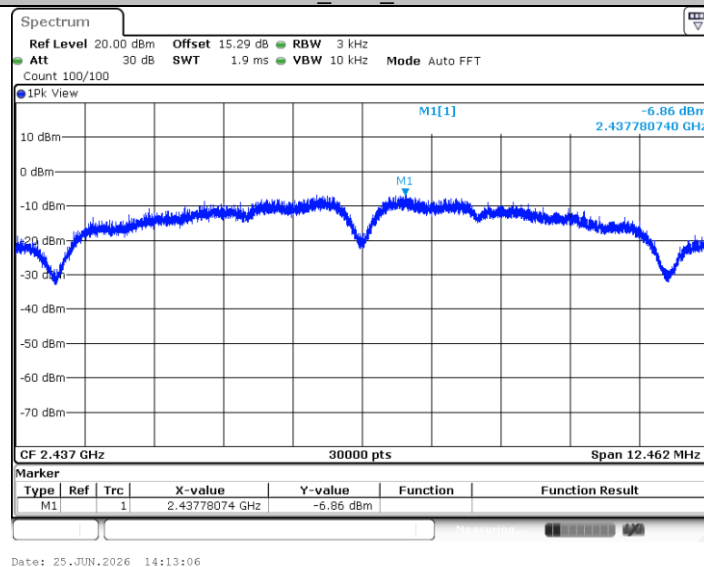




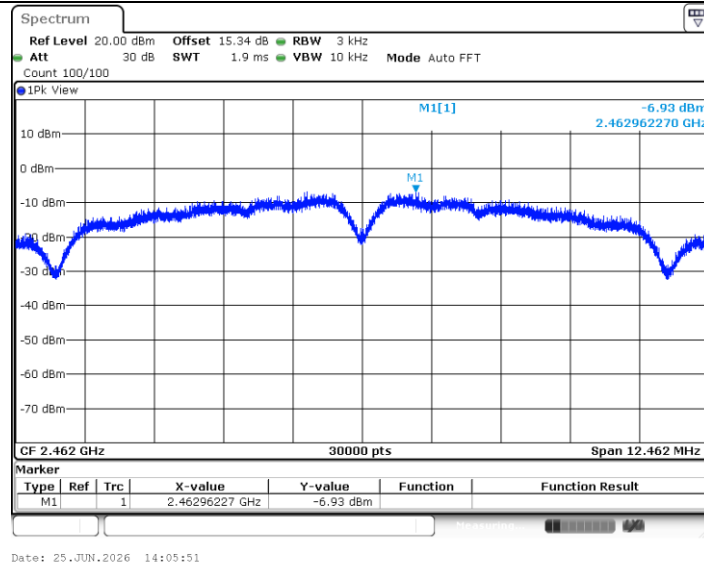
11B_Ant1_2437



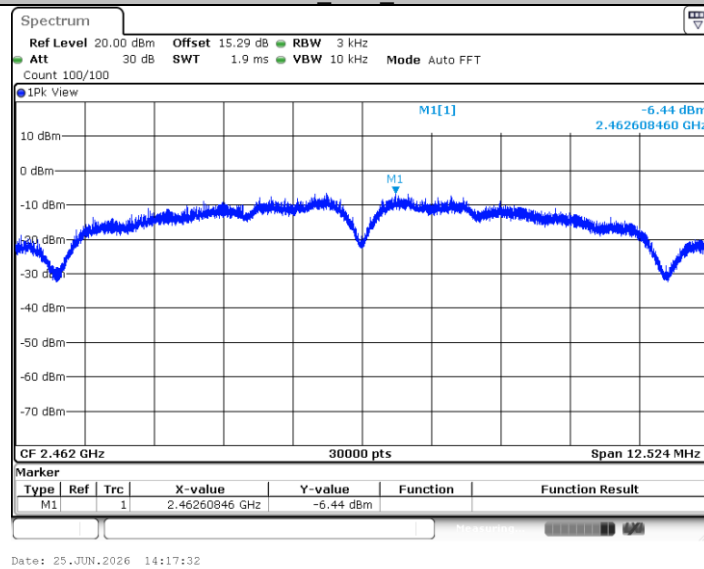
11B_Ant2_2437



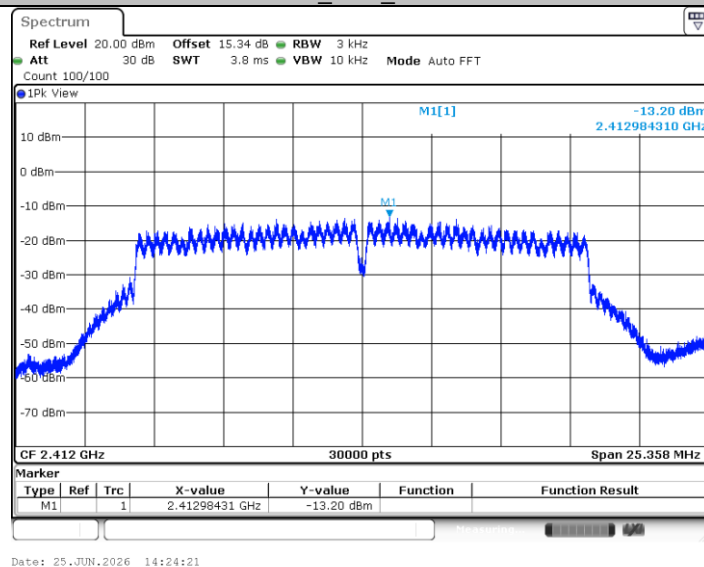
11B_Ant1_2462



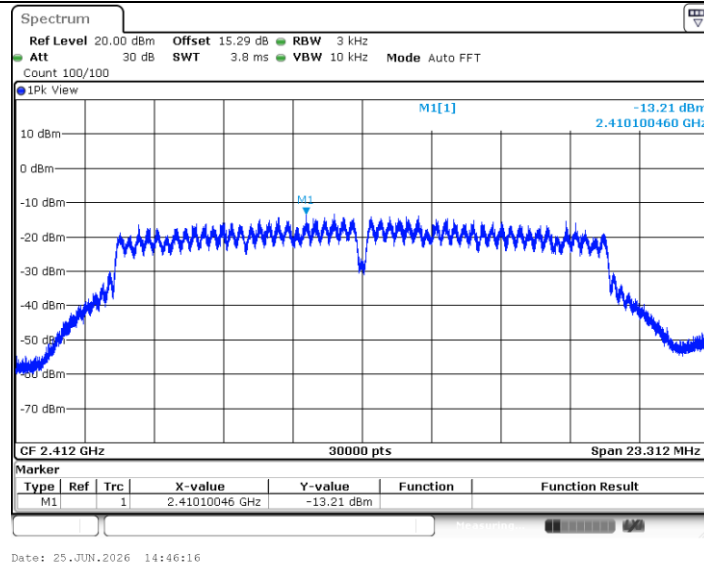
11B_Ant2_2462



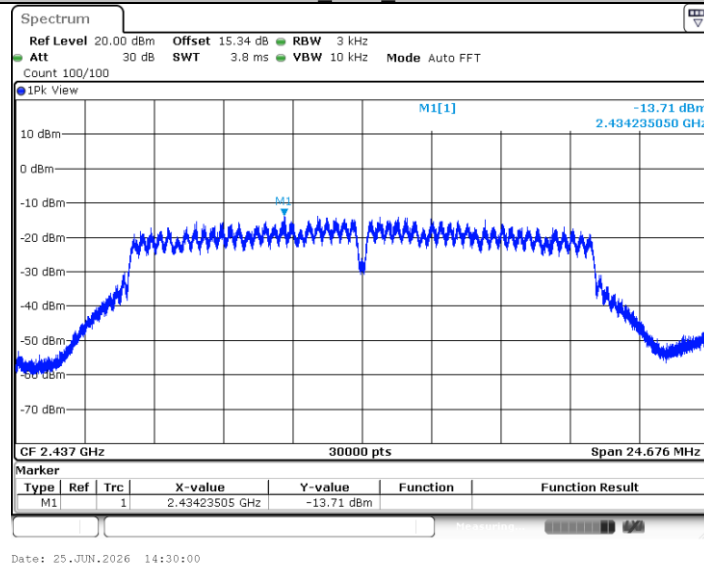
11G_Ant1_2412



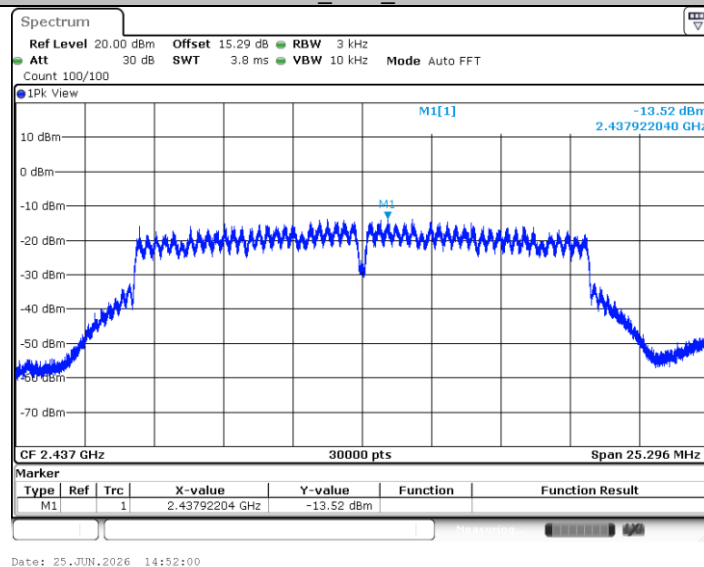
11G_Ant2_2412



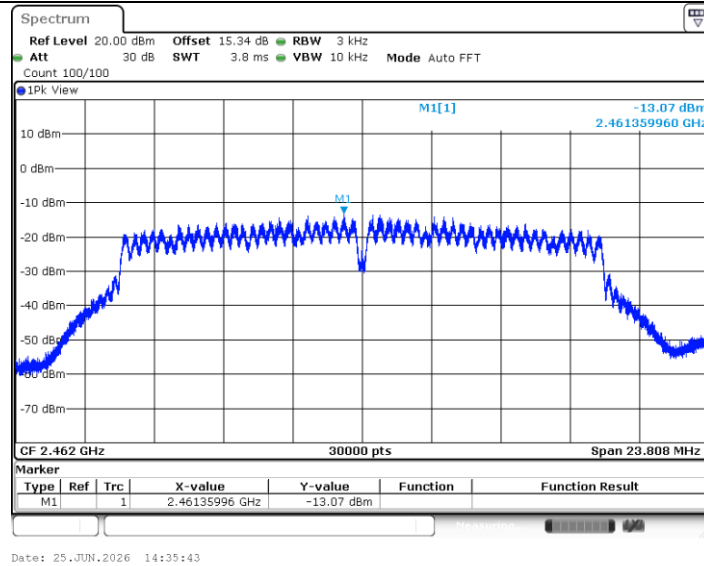
11G_Ant1_2437



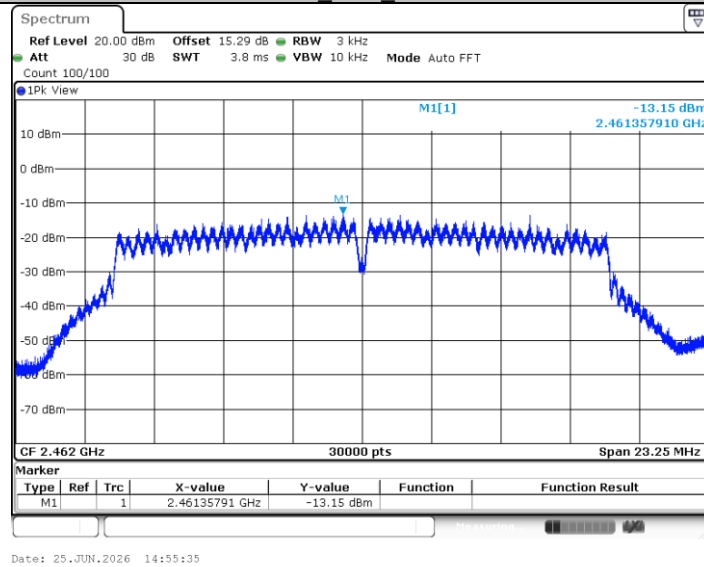
11G_Ant2_2437



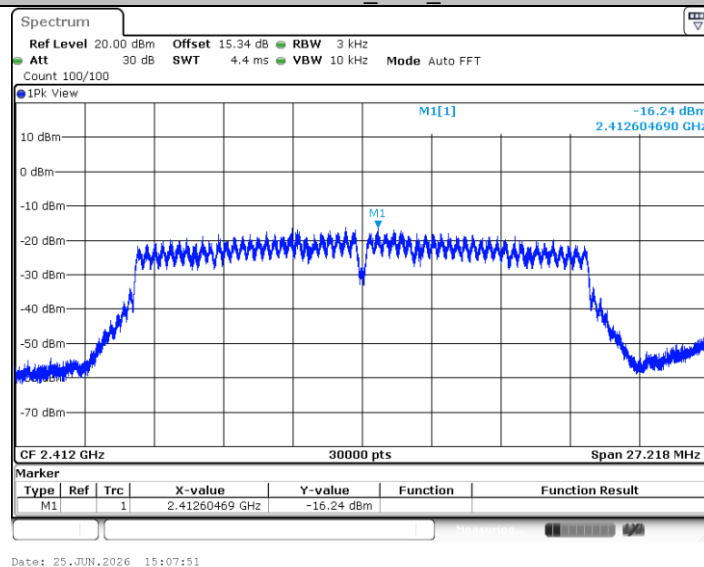
11G_Ant1_2462



11G_Ant2_2462



11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412