

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BOHY-TR6R851P2C

Company : TRULY ELECTRONICS MFG., LTD

EUT : WIFI/BT Module+5G

Model Number : TR6R851P2-C

Report No. : CTA26070102803

Reviewed By : Eric Wang

FCC Appendix RF Test Data for 2.4GWIFI Antenna 1

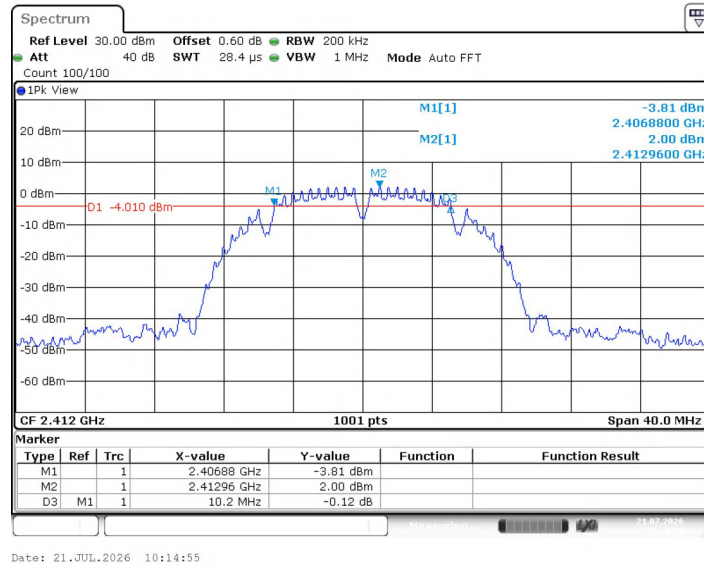
Appendix A: DTS Bandwidth

Test Result

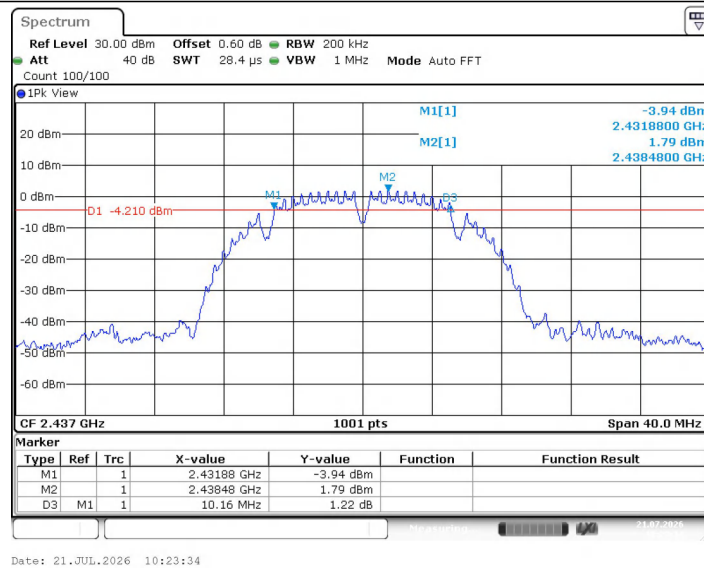
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.20	2406.88	2417.08	0.5	PASS
		2437	10.16	2431.88	2442.04	0.5	PASS
		2462	10.16	2456.88	2467.04	0.5	PASS
11G	Ant1	2412	13.88	2405.88	2419.76	0.5	PASS
		2437	14.92	2429.64	2444.56	0.5	PASS
		2462	15.68	2454.04	2469.72	0.5	PASS
11N20SISO	Ant1	2412	16.12	2403.92	2420.04	0.5	PASS
		2437	15.56	2428.92	2444.48	0.5	PASS
		2462	14.36	2455.20	2469.56	0.5	PASS
11N40SISO	Ant1	2422	32.56	2404.56	2437.12	0.5	PASS
		2437	27.52	2422.44	2449.96	0.5	PASS
		2452	34.64	2434.96	2469.60	0.5	PASS
11AX20SISO	Ant1	2412	16.76	2404.04	2420.80	0.5	PASS
		2437	16.12	2428.48	2444.60	0.5	PASS
		2462	16.28	2453.40	2469.68	0.5	PASS
11AX40SISO	Ant1	2422	32.32	2406.16	2438.48	0.5	PASS
		2437	30.64	2420.68	2451.32	0.5	PASS
		2452	34.32	2435.52	2469.84	0.5	PASS

Test Graphs

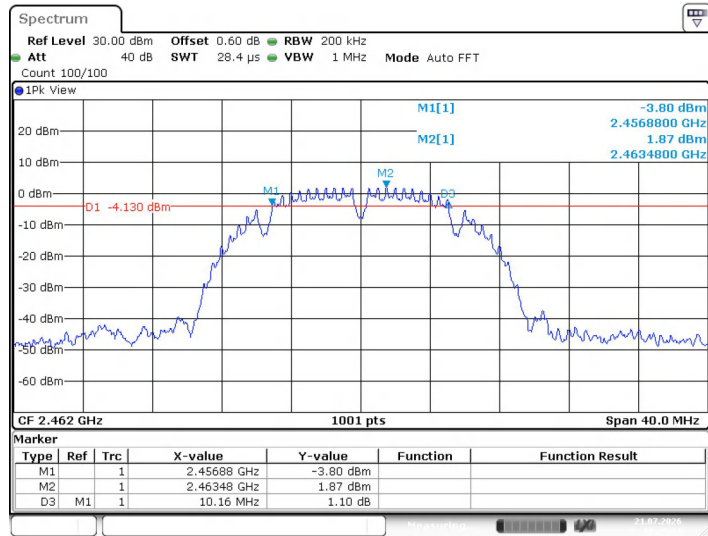
11B_Ant1_2412



11B_Ant1_2437

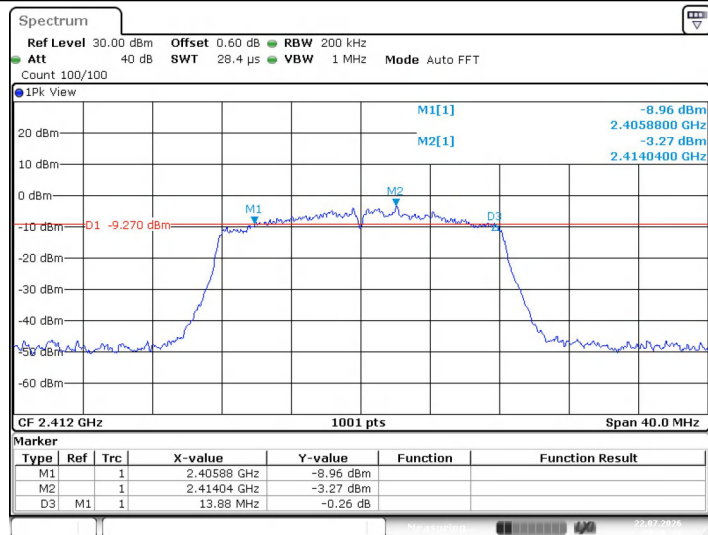


11B_Ant1_2462



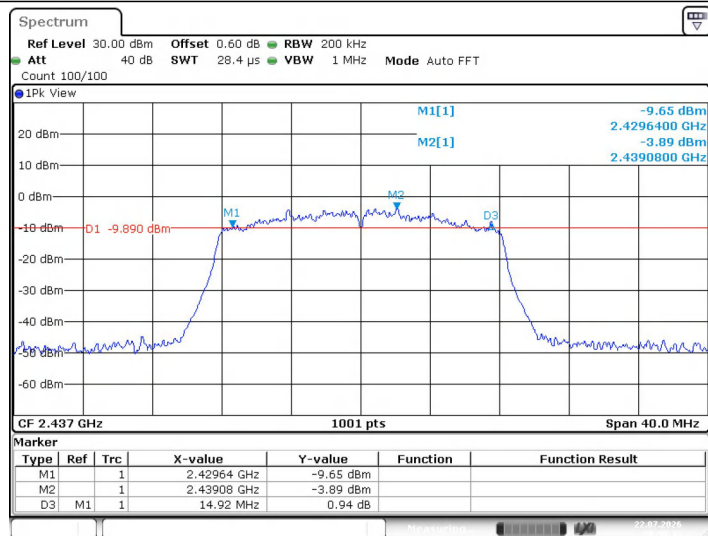
Date: 21.JUL.2026 10:29:04

11G_Ant1_2412



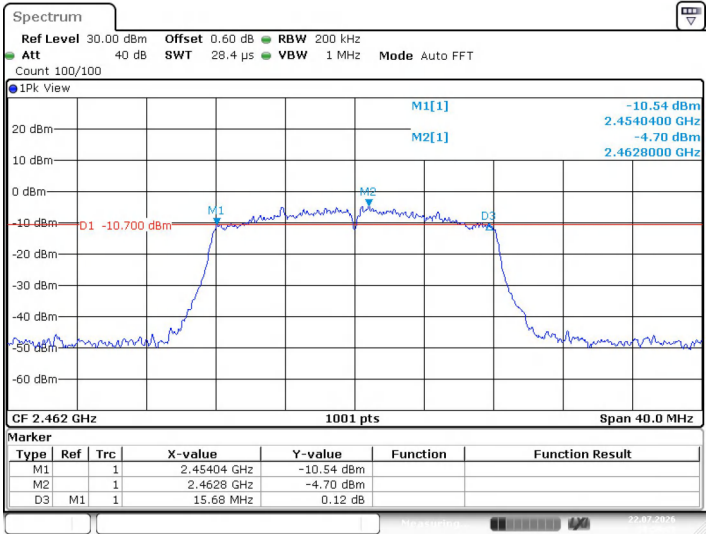
Date: 22.JUL.2026 08:46:49

11G_Ant1_2437



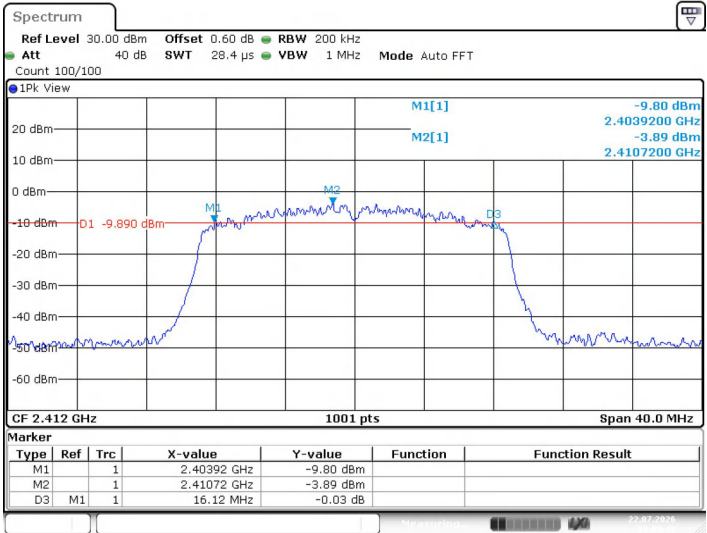
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11G_Ant1_2462



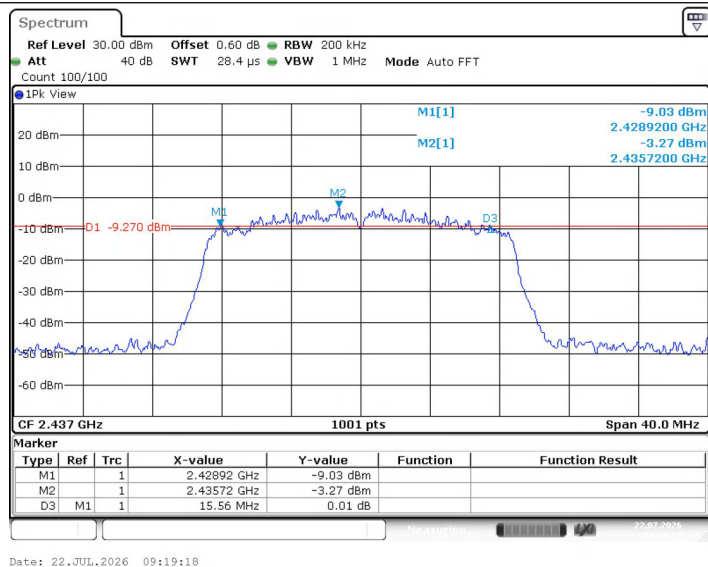
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11N20SISO_Ant1_2412

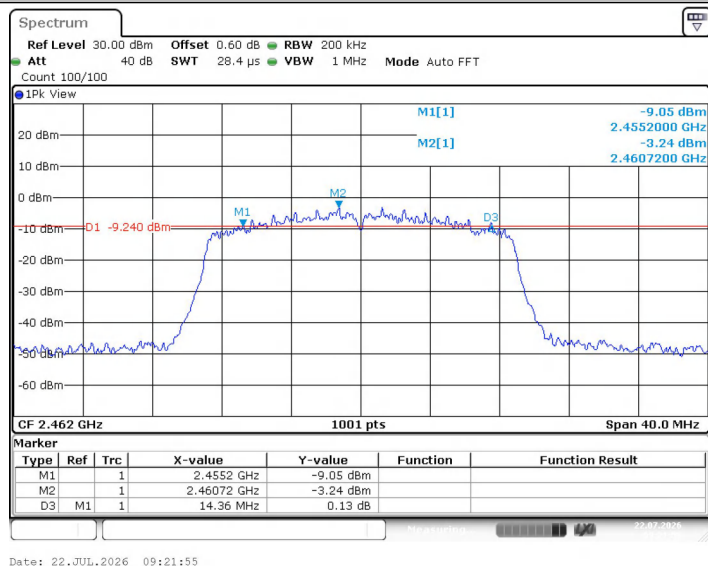


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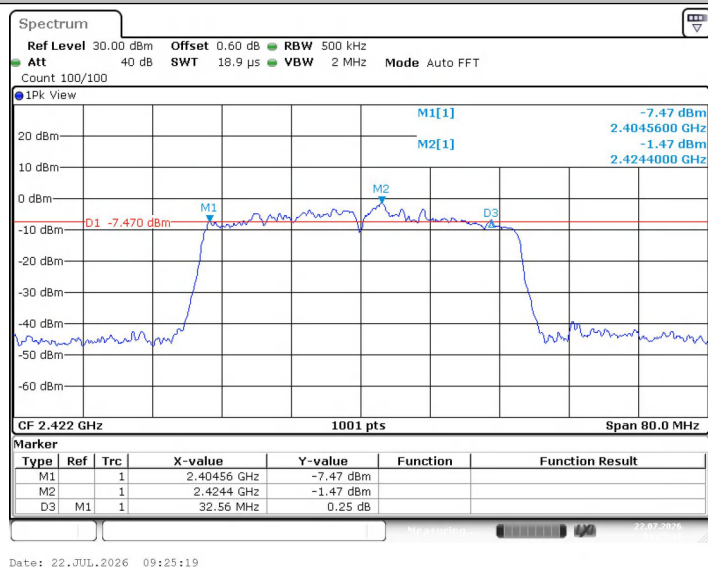
11N20SISO_Ant1_2437



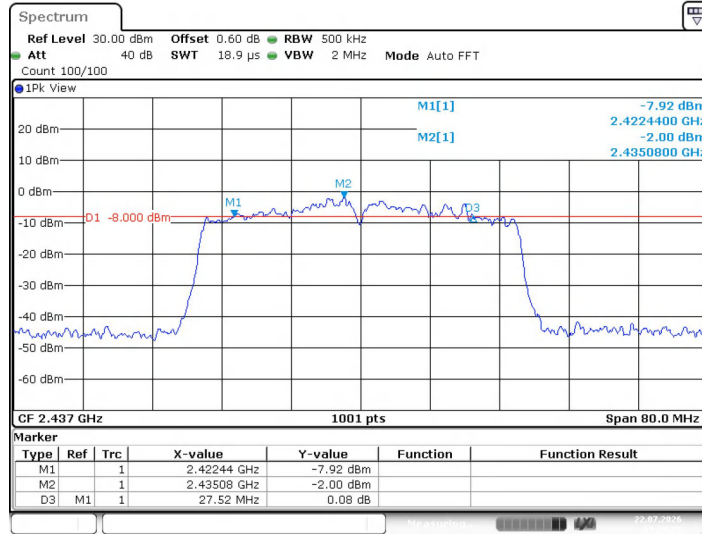
11N20SISO_Ant1_2462



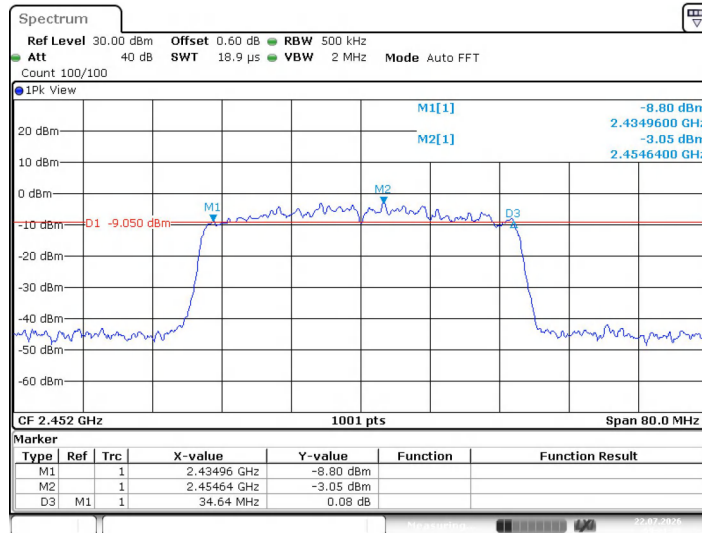
11N40SISO_Ant1_2422



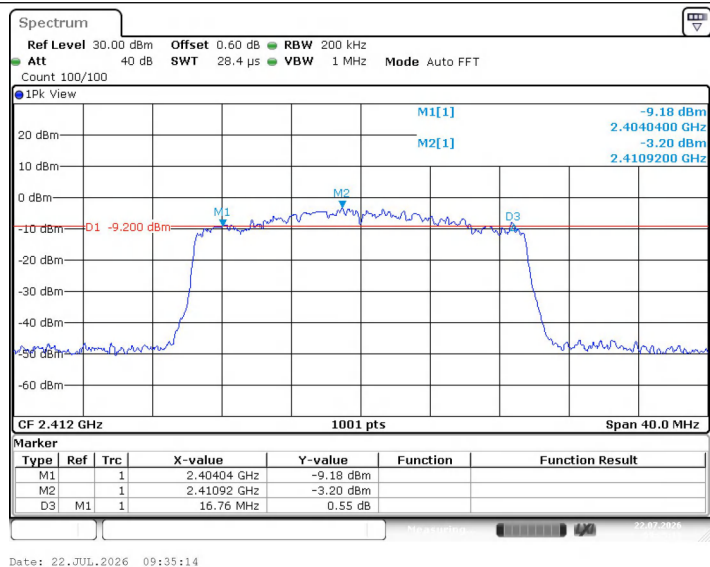
11N40SISO_Ant1_2437



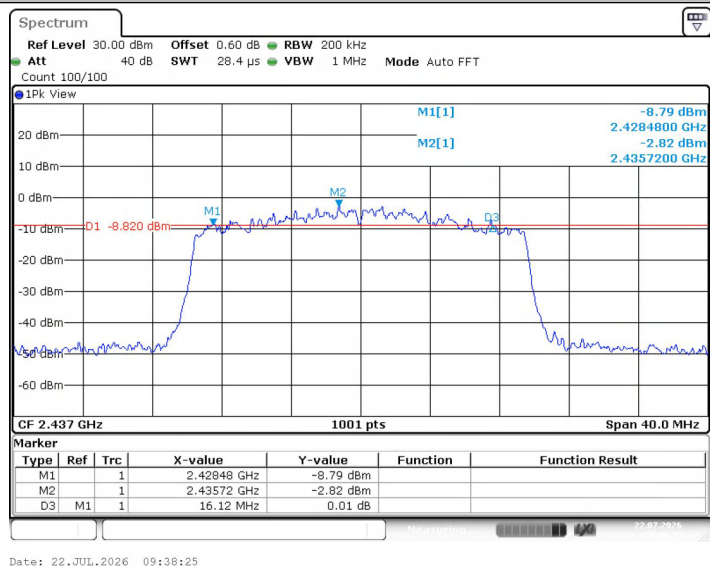
11N40SISO_Ant1_2452



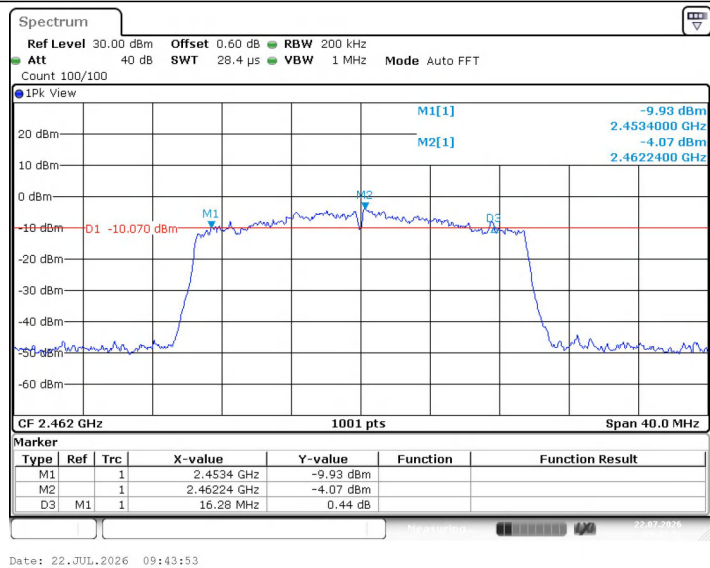
11AX20SISO_Ant1_2412



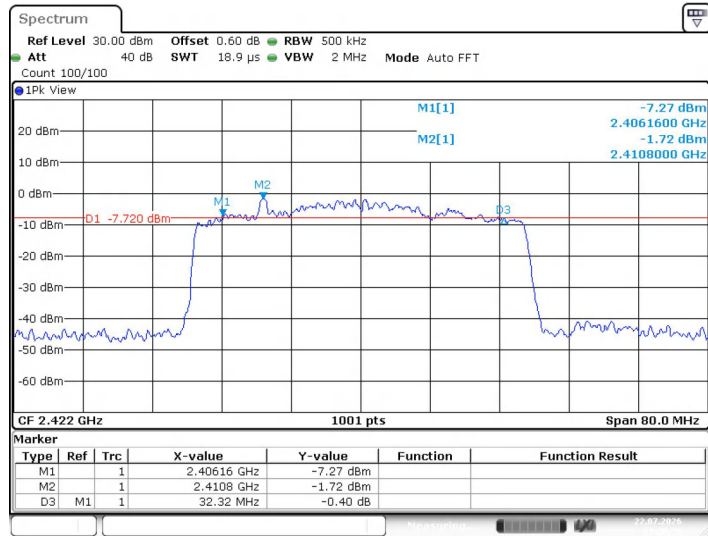
11AX20SISO_Ant1_2437



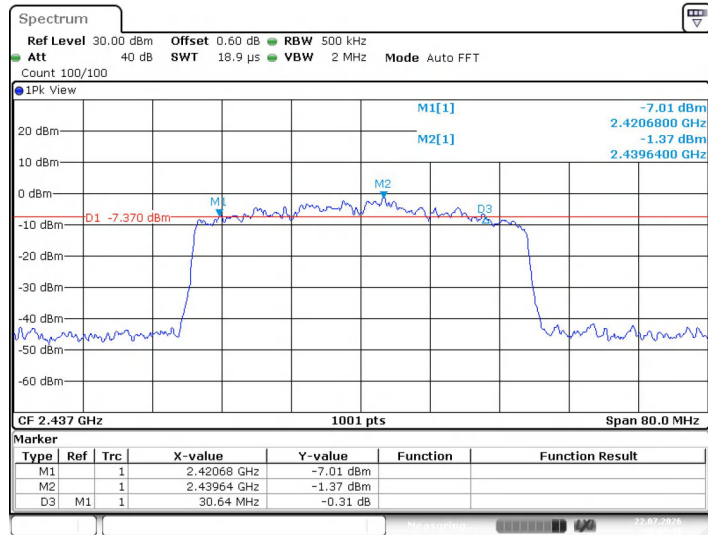
11AX20SISO_Ant1_2462



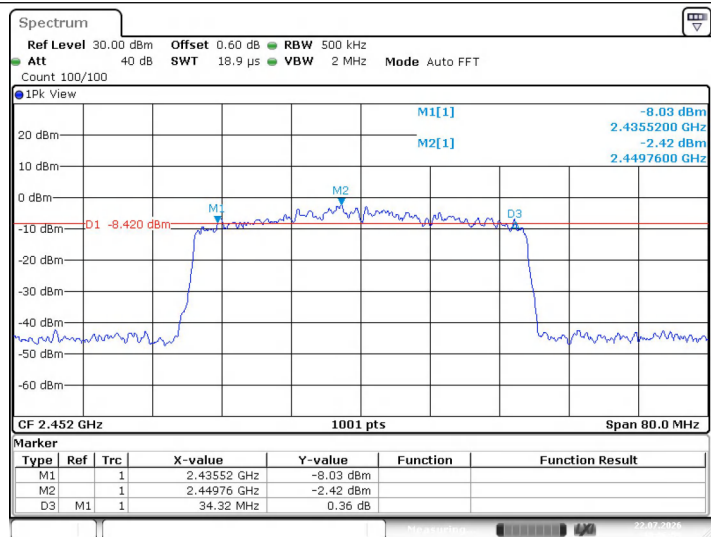
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



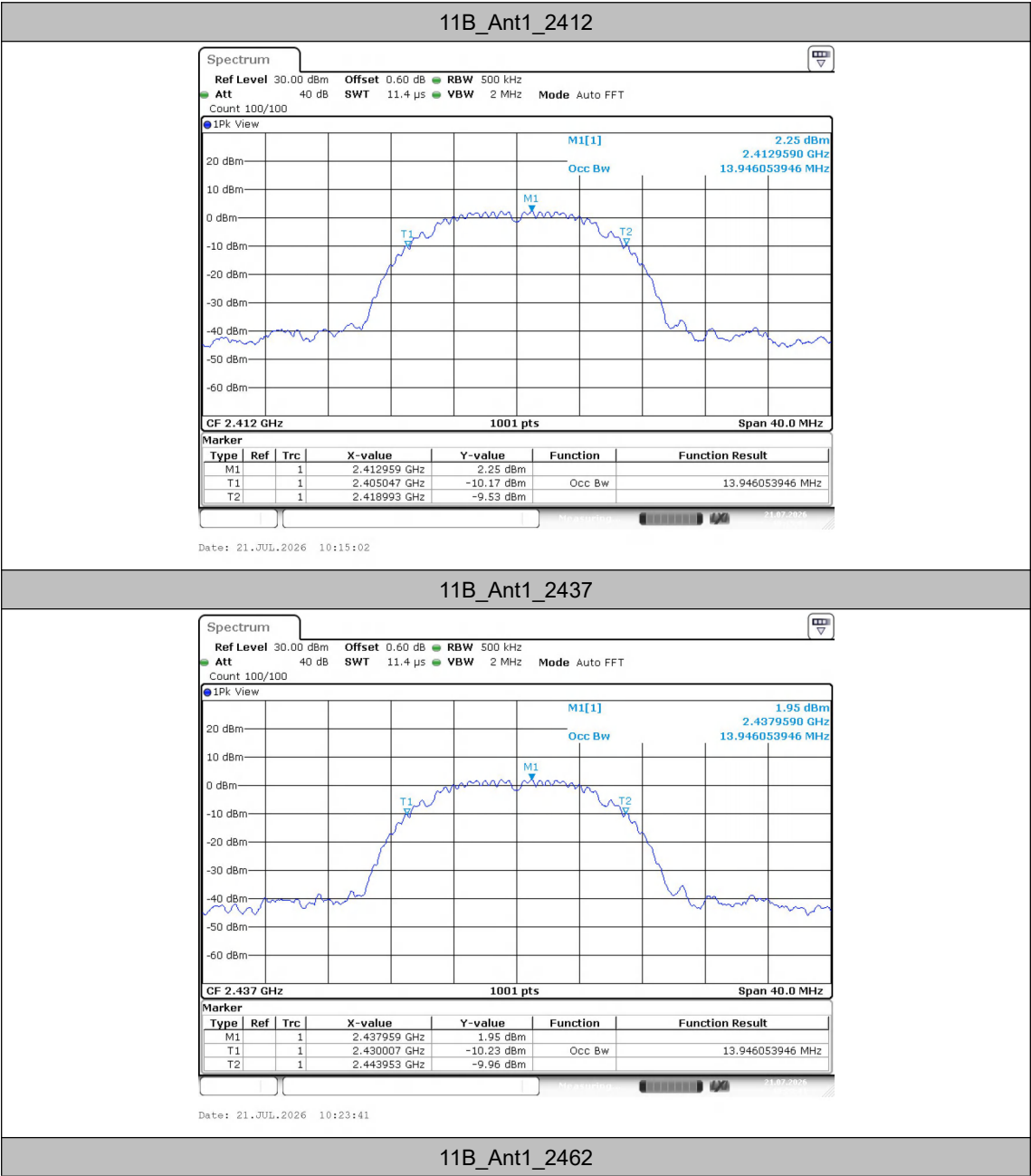
Date: 22.JUL.2026 10:06:58

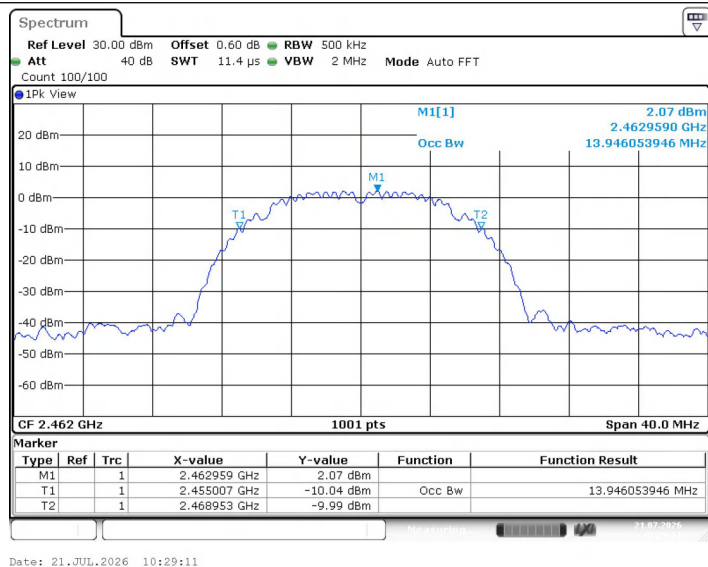
Appendix B: Occupied Channel Bandwidth

Test Result

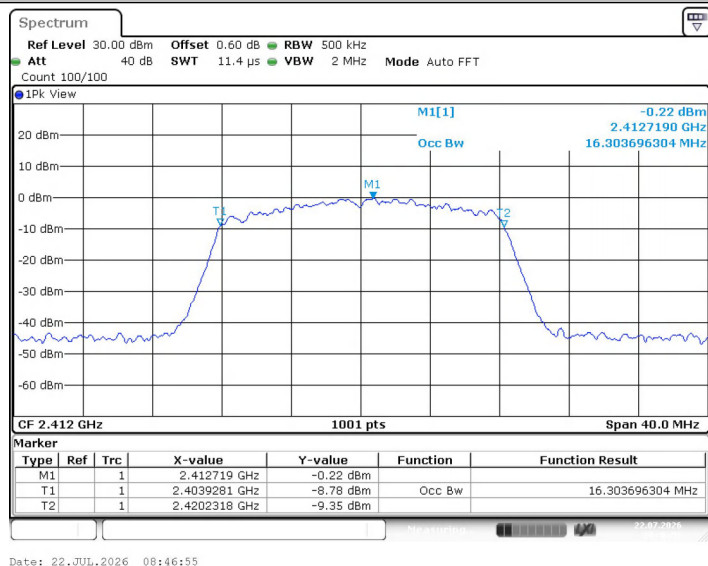
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.946	2405.0470	2418.9930	---	---
		2437	13.946	2430.0070	2443.9530	---	---
		2462	13.946	2455.0070	2468.9530	---	---
11G	Ant1	2412	16.304	2403.9281	2420.2318	---	---
		2437	16.224	2428.8482	2445.0719	---	---
		2462	16.144	2453.8881	2470.0320	---	---
11N20SISO	Ant1	2412	17.263	2403.3287	2420.5914	---	---
		2437	17.383	2428.2488	2445.6314	---	---
		2462	17.263	2453.3287	2470.5914	---	---
11N40SISO	Ant1	2422	35.724	2404.0180	2439.7423	---	---
		2437	35.485	2419.1778	2454.6623	---	---
		2452	35.884	2434.0180	2469.9021	---	---
11AX20SISO	Ant1	2412	18.422	2402.7692	2421.1908	---	---
		2437	18.581	2427.6893	2446.2707	---	---
		2462	18.581	2452.7293	2471.3107	---	---
11AX40SISO	Ant1	2422	36.763	2403.7782	2440.5415	---	---
		2437	37.483	2418.2188	2455.7013	---	---
		2452	37.483	2433.2188	2470.7013	---	---

Test Graphs

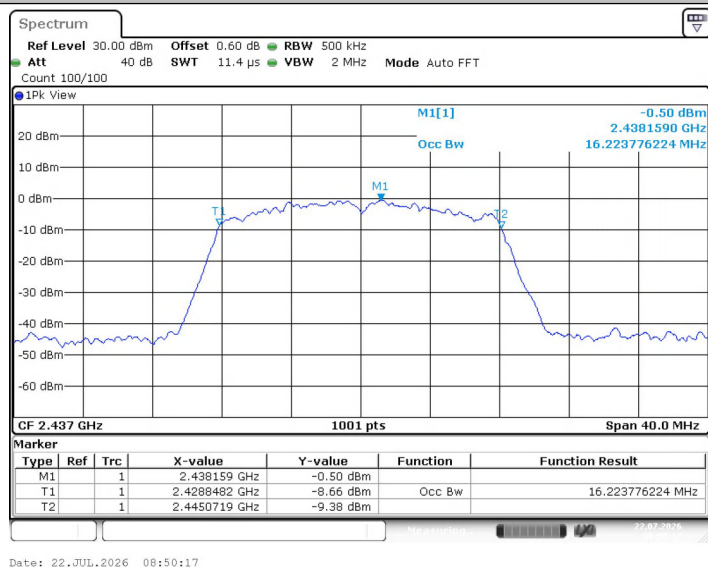




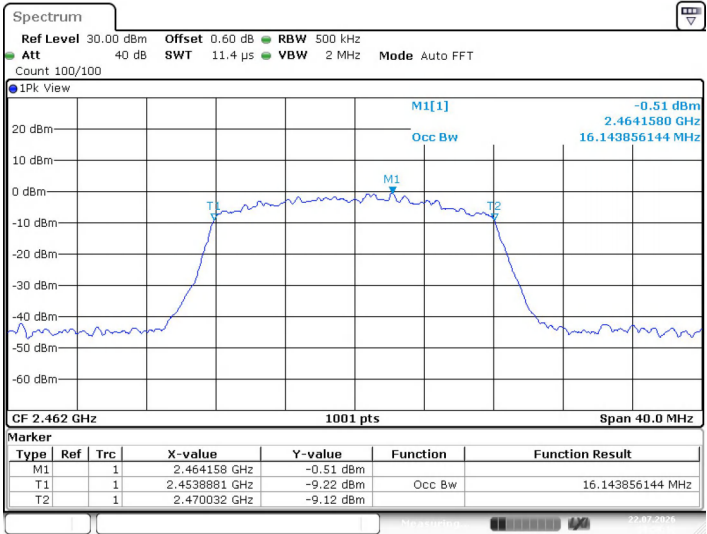
11G_Ant1_2412



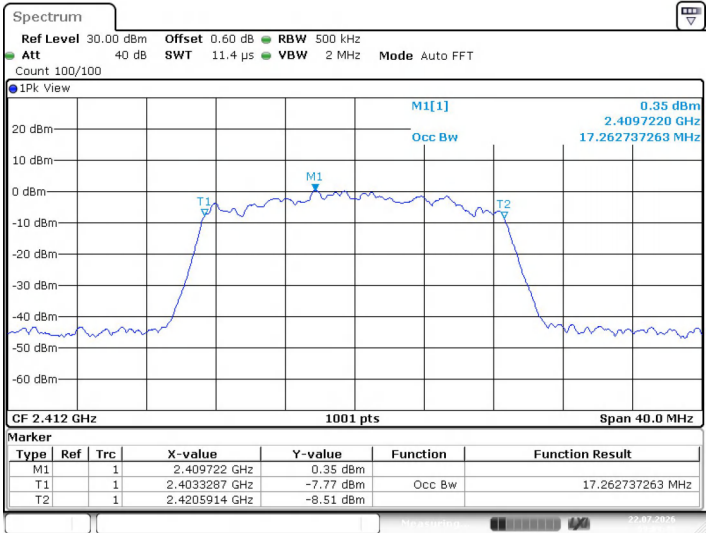
11G_Ant1_2437



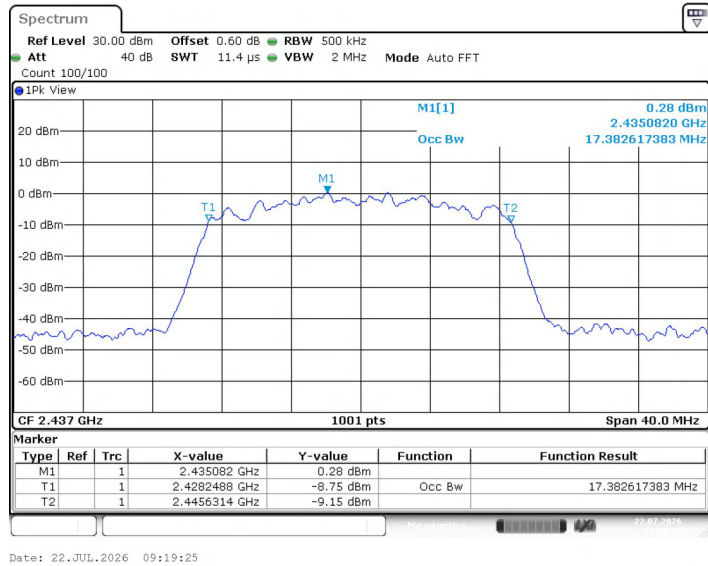
11G_Ant1_2462



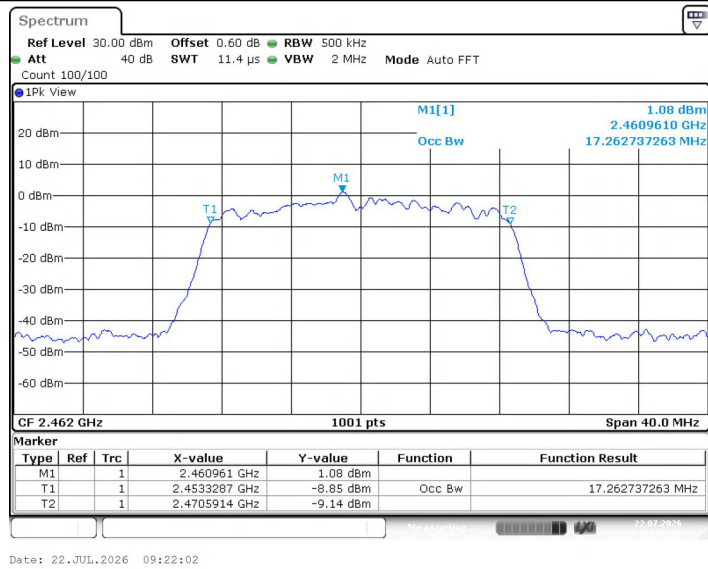
11N20SISO_Ant1_2412



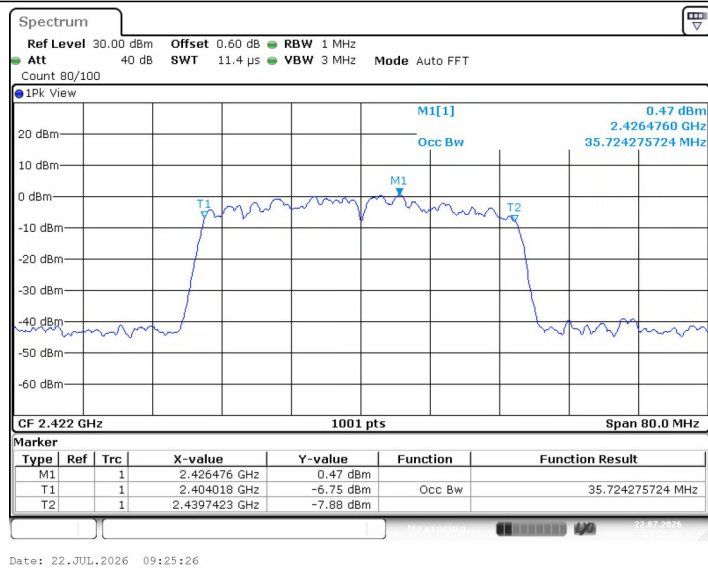
11N20SISO_Ant1_2437



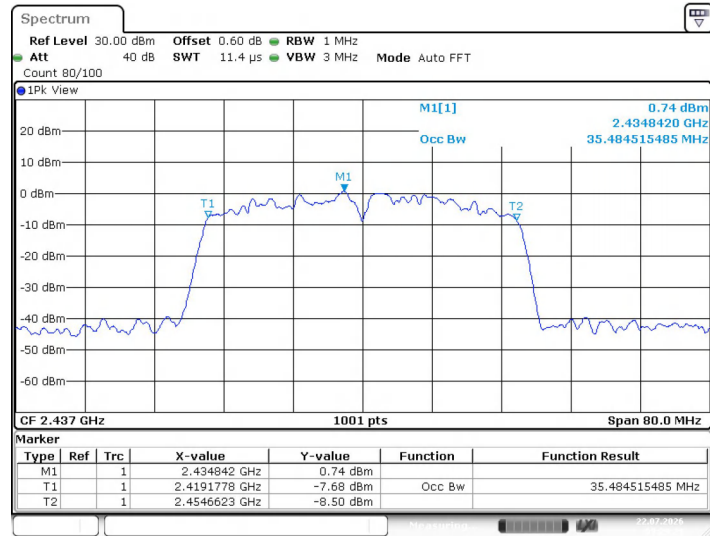
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

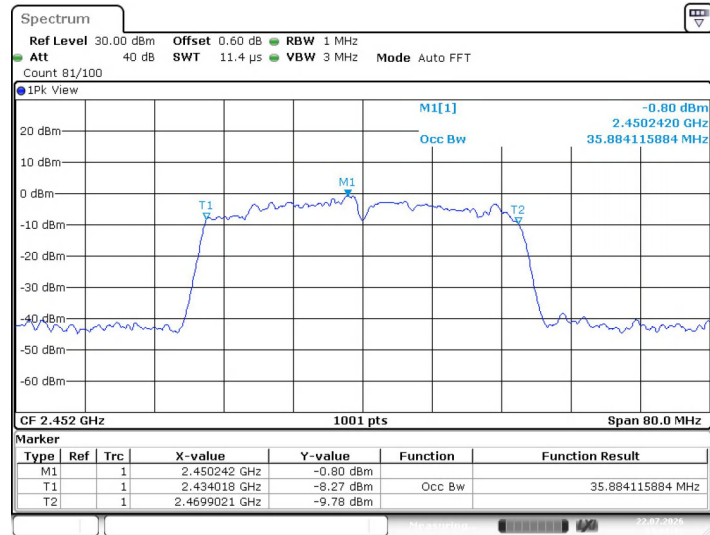


11N40SISO_Ant1_2437



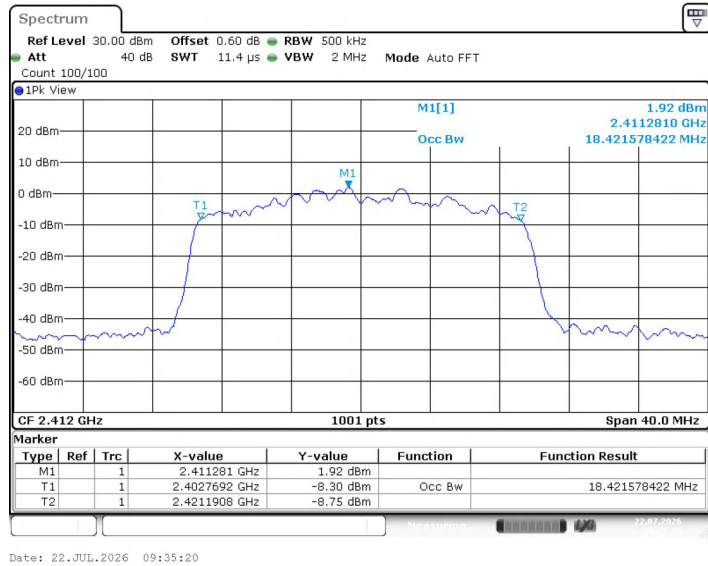
Date: 22.JUL.2026 09:29:29

11N40SISO_Ant1_2452

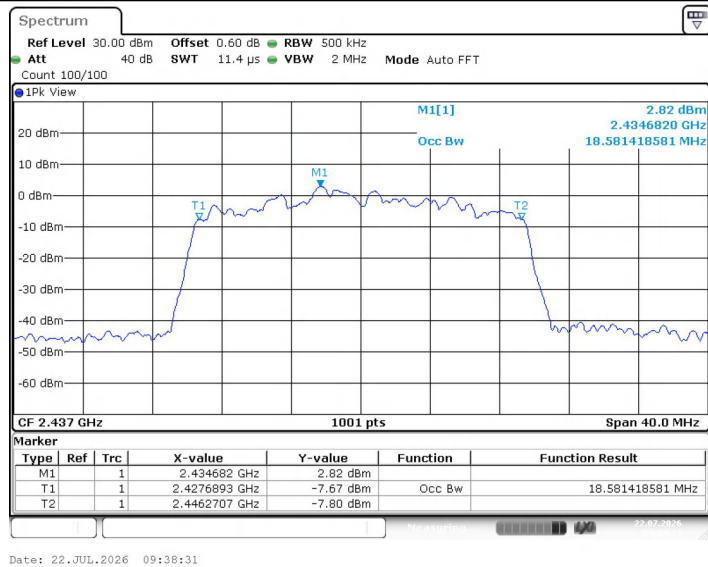


Date: 22.JUL.2026 09:31:41

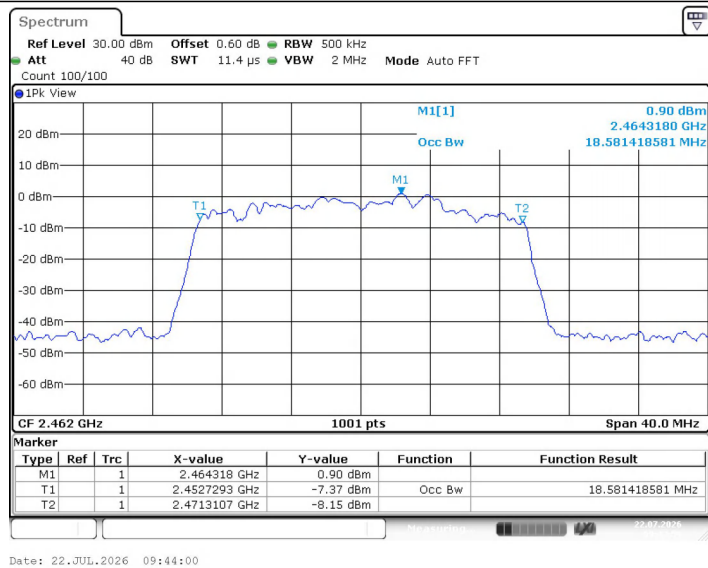
11AX20SISO_Ant1_2412



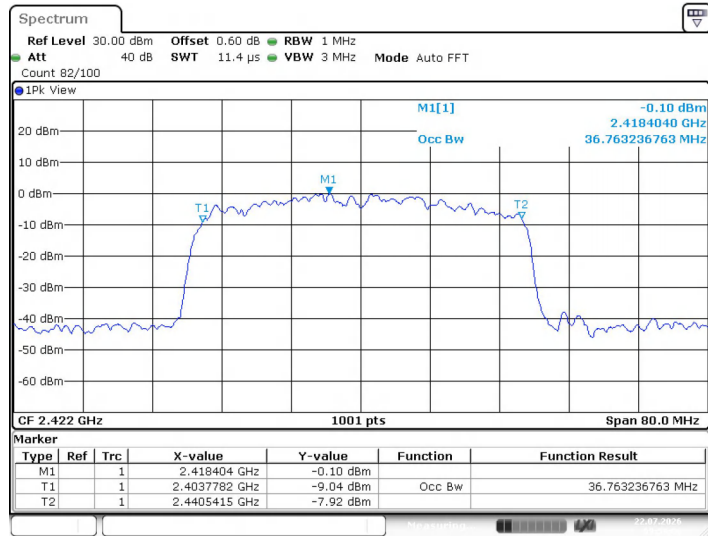
11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462

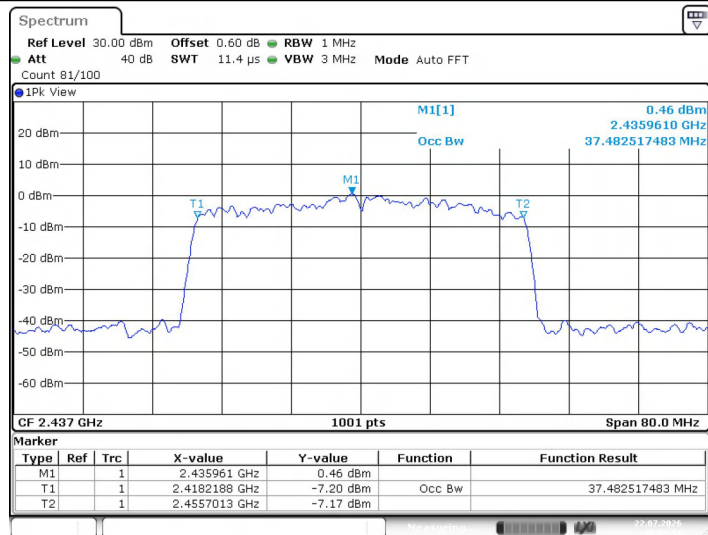


11AX40SISO_Ant1_2422



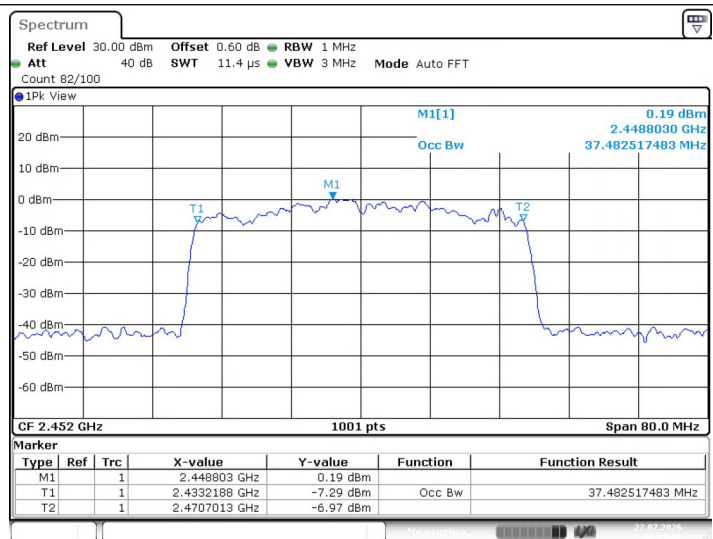
Date: 22.JUL.2026 09:59:06

11AX40SISO_Ant1_2437



Date: 22.JUL.2026 10:02:54

11AX40SISO_Ant1_2452



Date: 22.JUL.2026 10:07:05

Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.04	≤30.00	PASS
		2437	13.77	≤30.00	PASS
		2462	13.85	≤30.00	PASS
11G	Ant1	2412	13.04	≤30.00	PASS
		2437	13.13	≤30.00	PASS
		2462	12.45	≤30.00	PASS
11N20SISO	Ant1	2412	13.16	≤30.00	PASS
		2437	13.00	≤30.00	PASS
		2462	12.61	≤30.00	PASS
11N40SISO	Ant1	2422	13.32	≤30.00	PASS
		2437	12.94	≤30.00	PASS
		2452	12.79	≤30.00	PASS
11AX20SISO	Ant1	2412	13.97	≤30.00	PASS
		2437	14.08	≤30.00	PASS
		2462	13.35	≤30.00	PASS
11AX40SISO	Ant1	2422	13.52	≤30.00	PASS
		2437	13.46	≤30.00	PASS
		2452	13.01	≤30.00	PASS

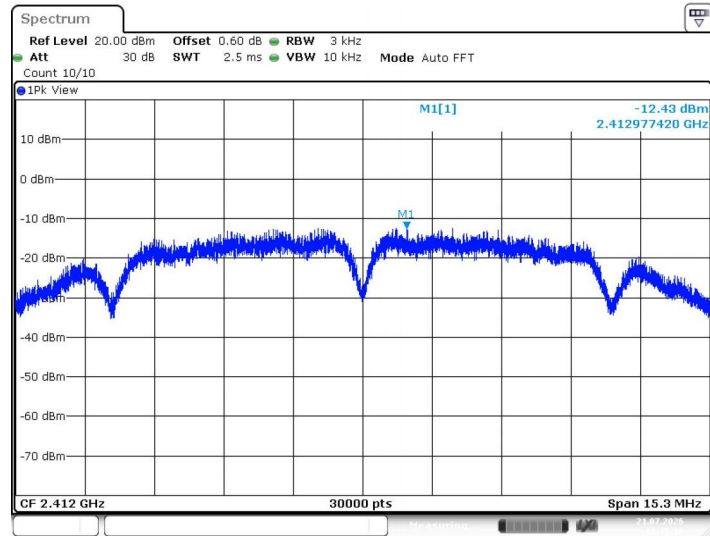
Appendix D: Maximum power spectral density

Test Result

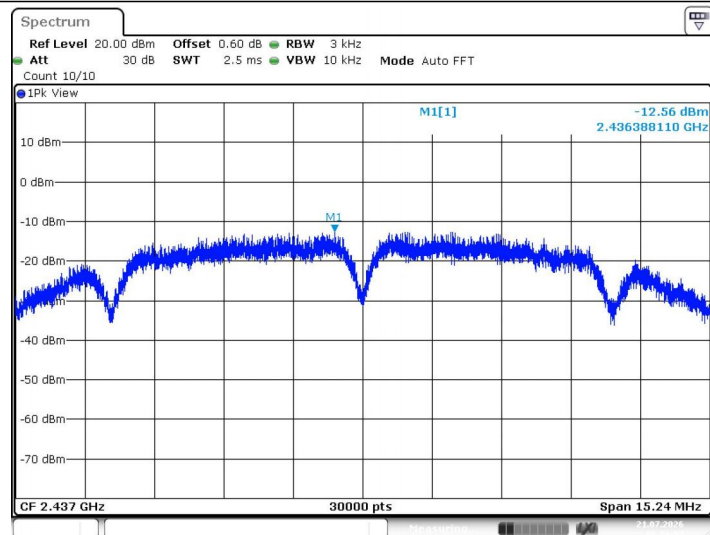
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.43	≤8.00	PASS
		2437	-12.56	≤8.00	PASS
		2462	-12.56	≤8.00	PASS
11G	Ant1	2412	-20.00	≤8.00	PASS
		2437	-20.68	≤8.00	PASS
		2462	-21.42	≤8.00	PASS
11N20SISO	Ant1	2412	-19.47	≤8.00	PASS
		2437	-19.59	≤8.00	PASS
		2462	-19.75	≤8.00	PASS
11N40SISO	Ant1	2422	-22.84	≤8.00	PASS
		2437	-22.51	≤8.00	PASS
		2452	-23.57	≤8.00	PASS
11AX20SISO	Ant1	2412	-20.11	≤8.00	PASS
		2437	-19.89	≤8.00	PASS
		2462	-20.98	≤8.00	PASS
11AX40SISO	Ant1	2422	-22.30	≤8.00	PASS
		2437	-21.96	≤8.00	PASS
		2452	-22.48	≤8.00	PASS

Test Graphs

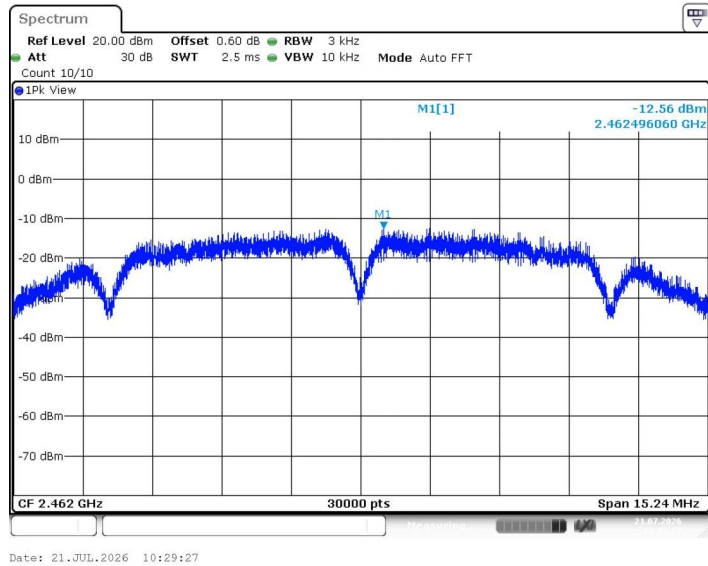
11B_Ant1_2412



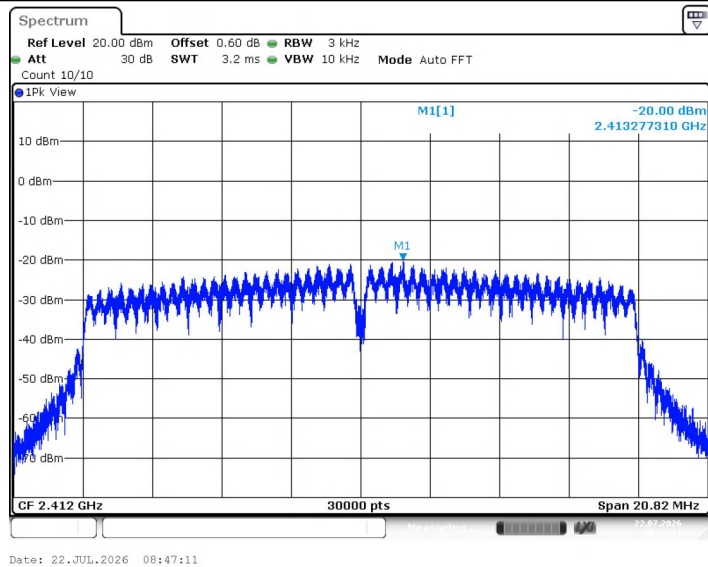
11B_Ant1_2437



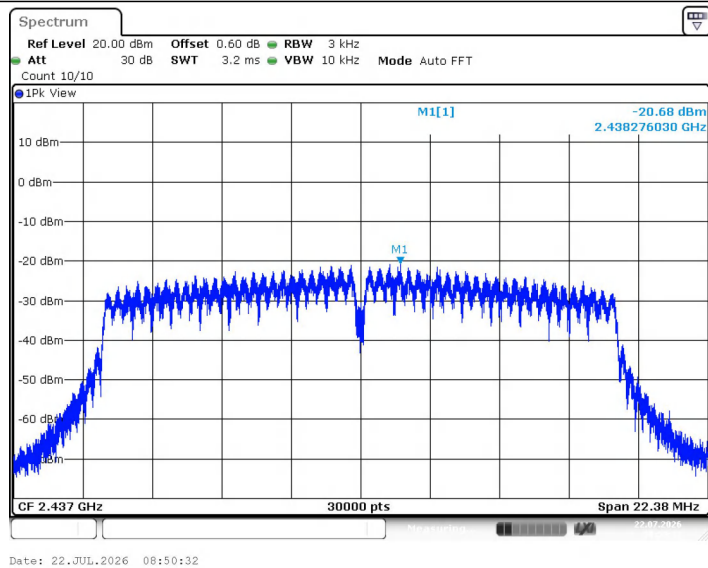
11B_Ant1_2462



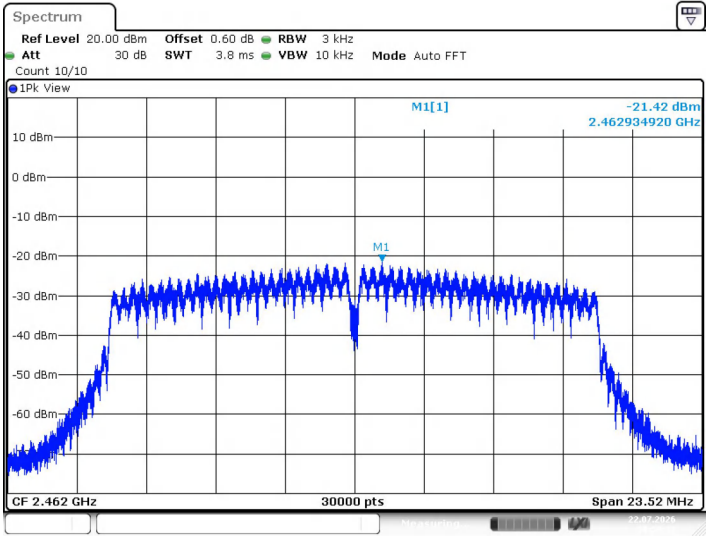
11G_Ant1_2412



11G_Ant1_2437

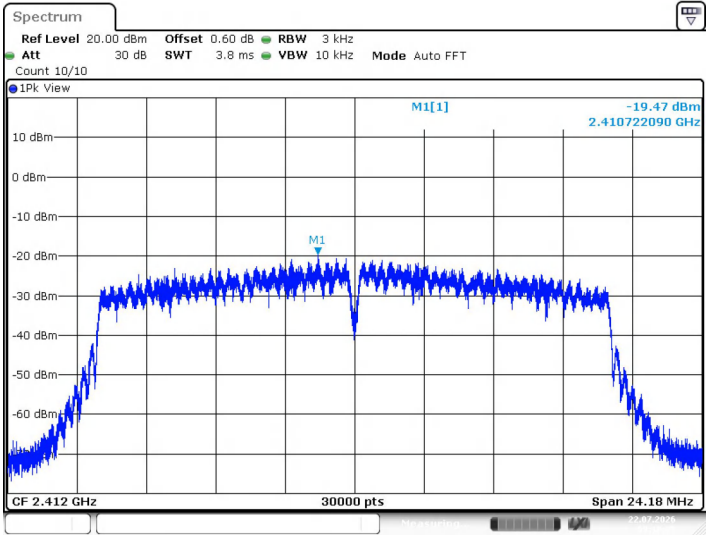


11G_Ant1_2462



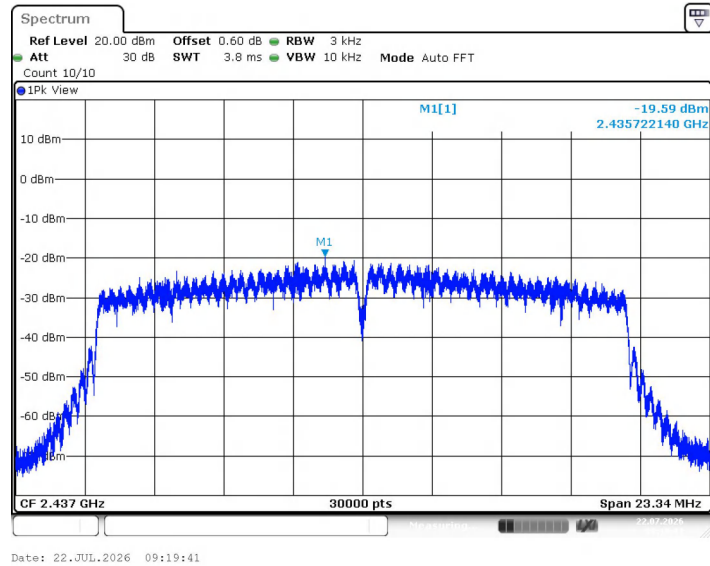
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11N20SISO_Ant1_2412

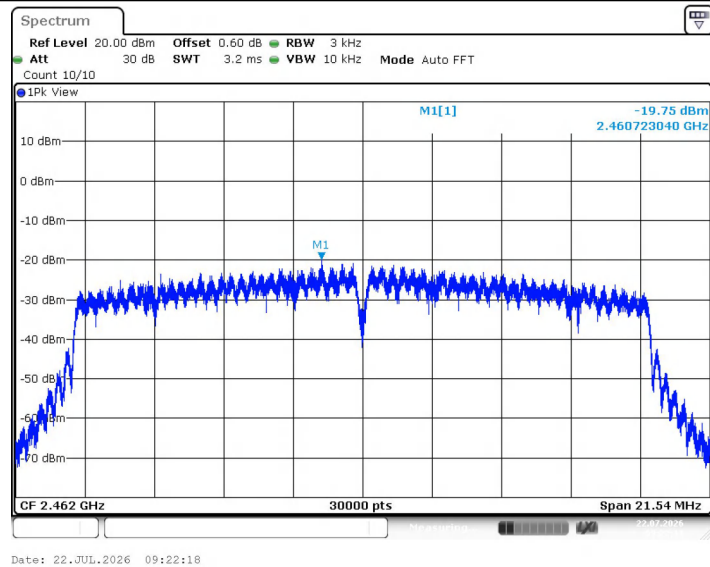


Date: 22.JUL.2026 09:10:05

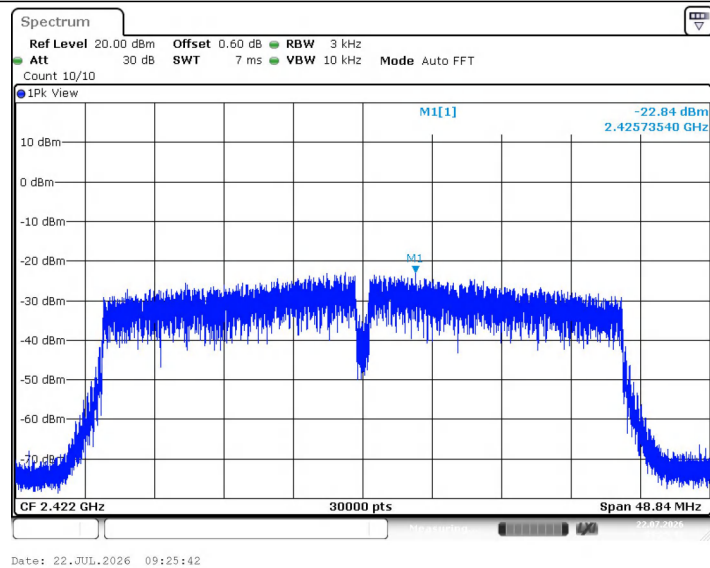
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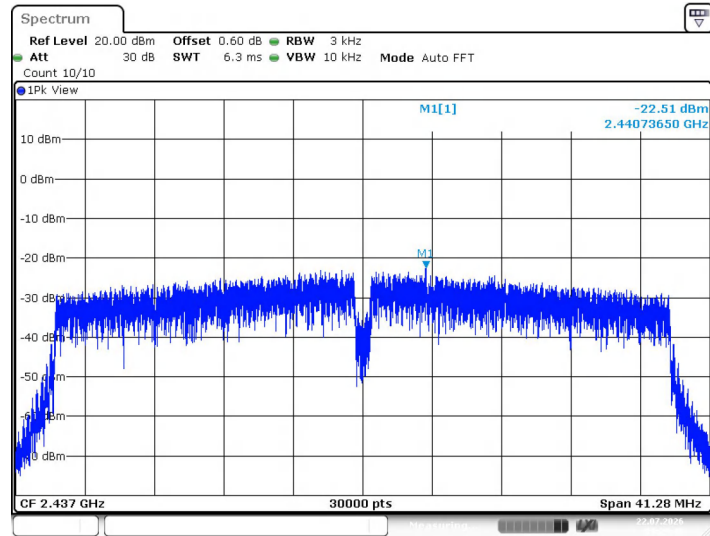
11N20SISO_Ant1_2462



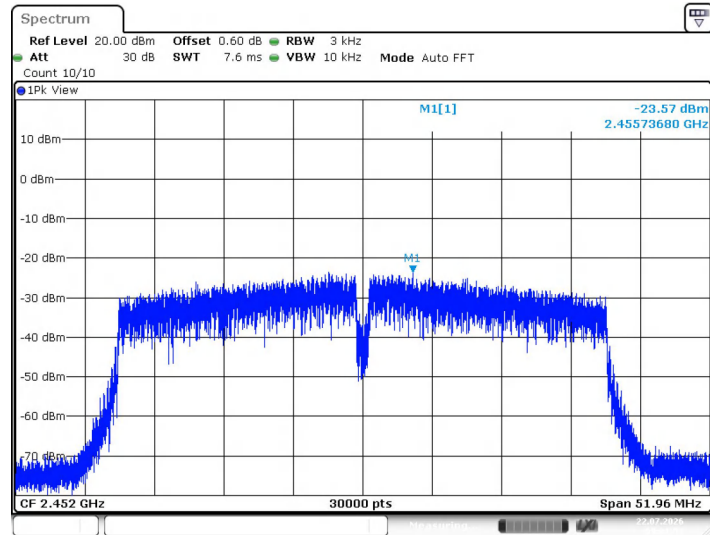
11N40SISO_Ant1_2422



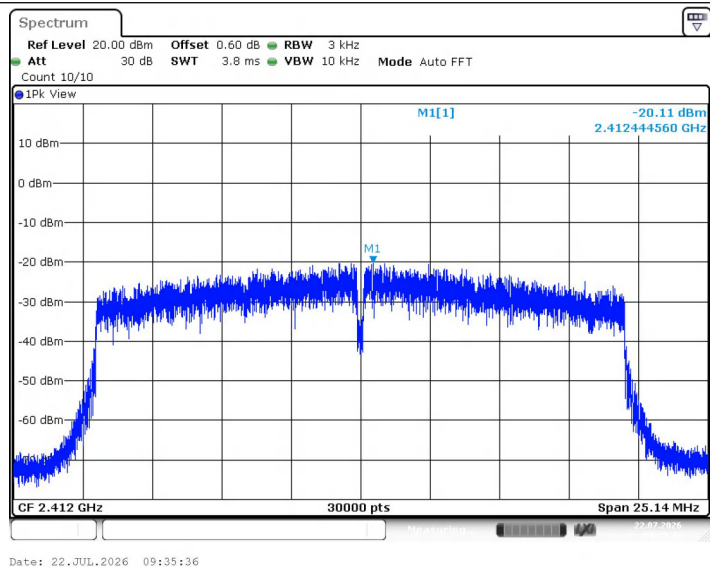
11N40SISO_Ant1_2437



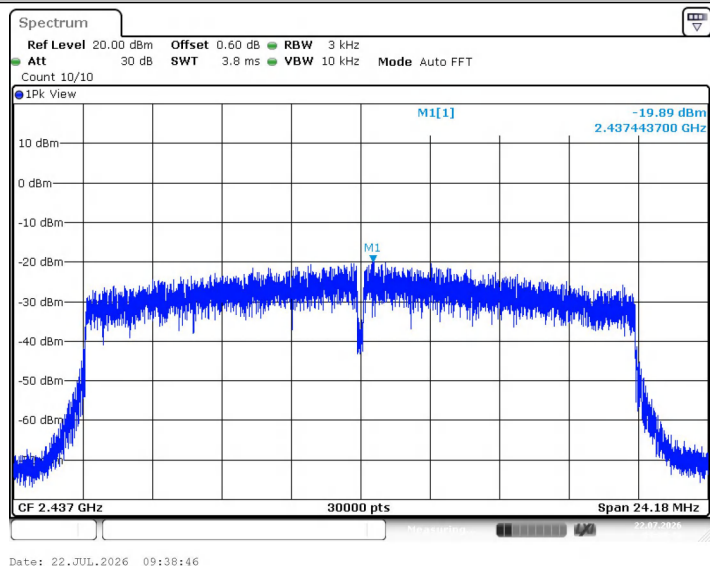
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462

