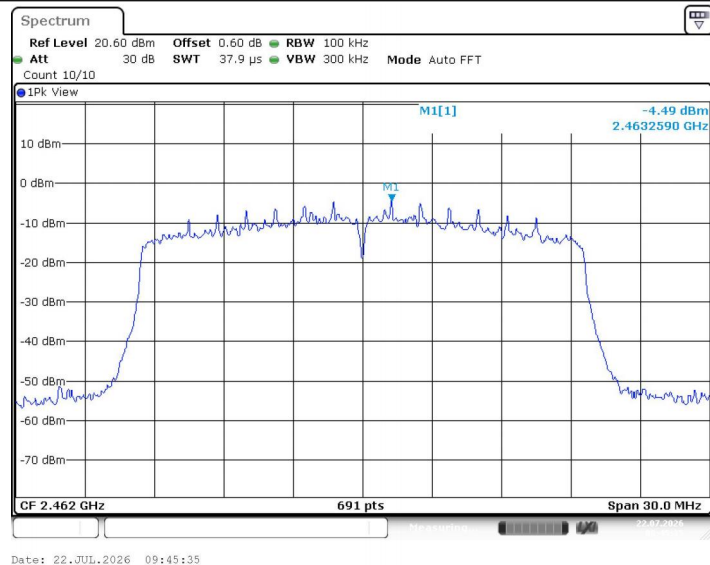
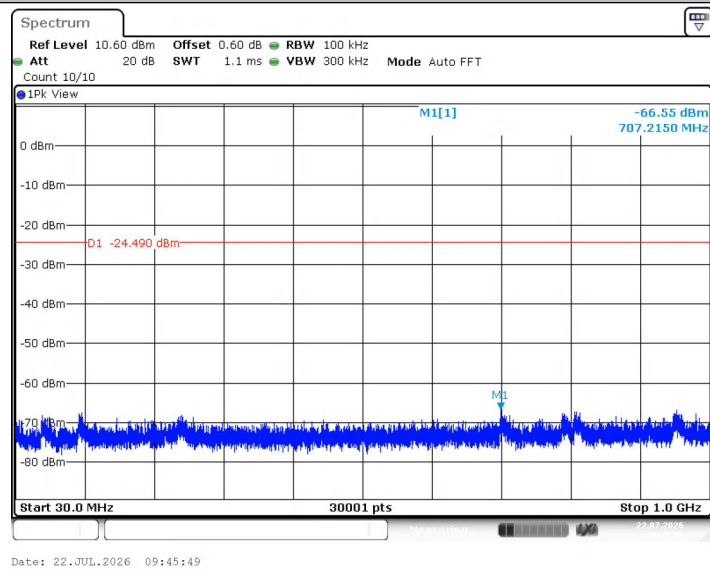
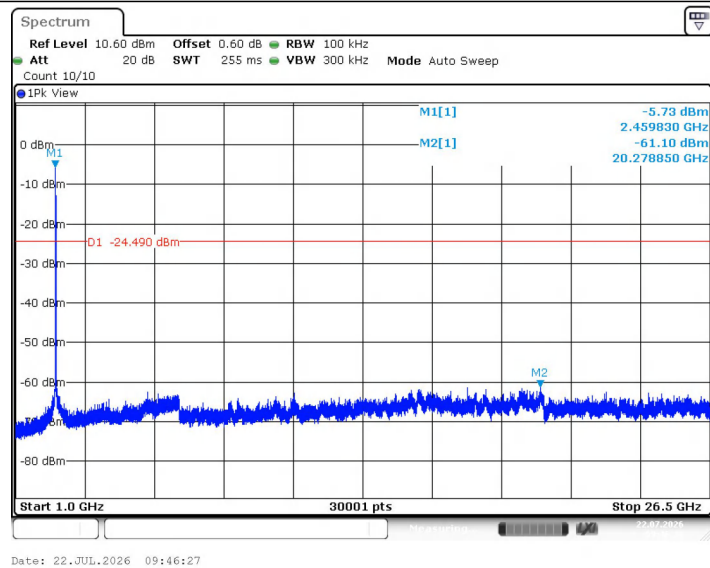




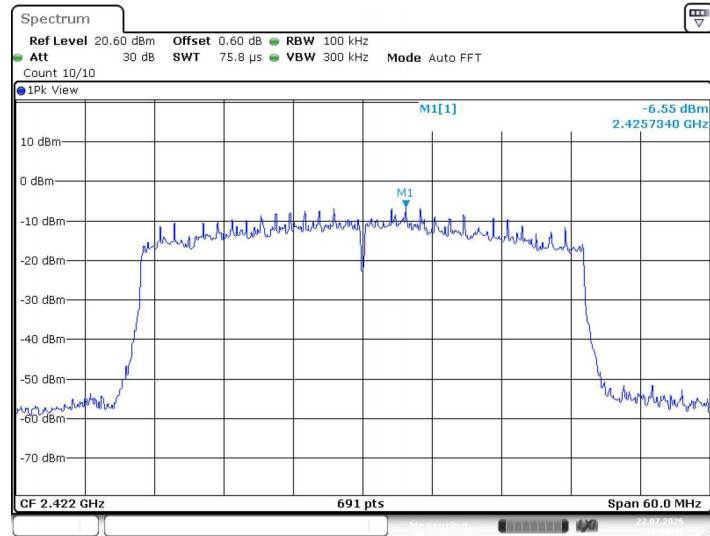
11AX20SISO_Ant1_2462_30~1000



11AX20SISO_Ant1_2462_1000~26500

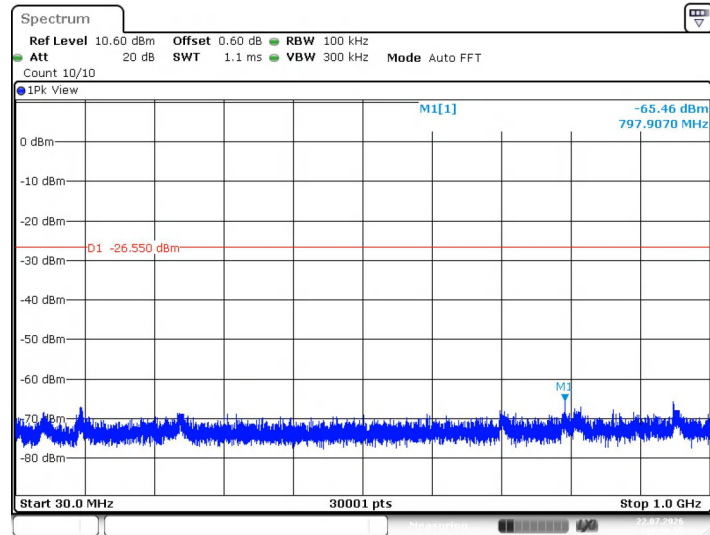


11AX40SISO_Ant1_2422_0~Reference



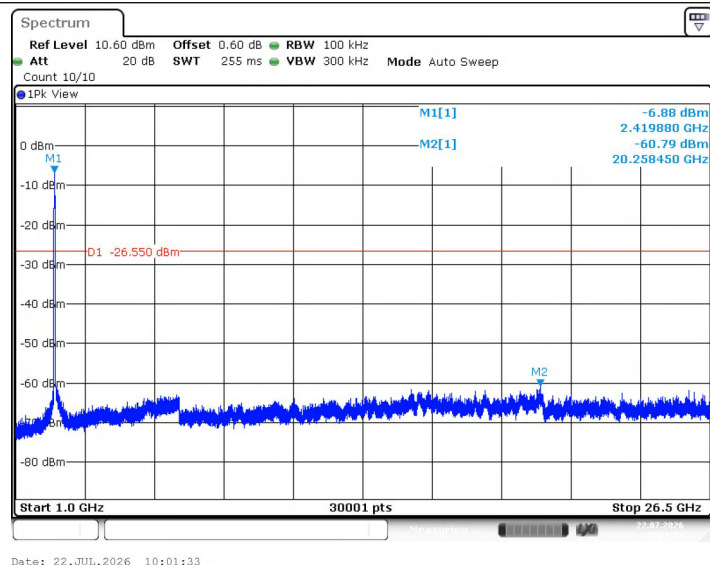
Date: 22.JUL.2026 10:00:41

11AX40SISO_Ant1_2422_30~1000

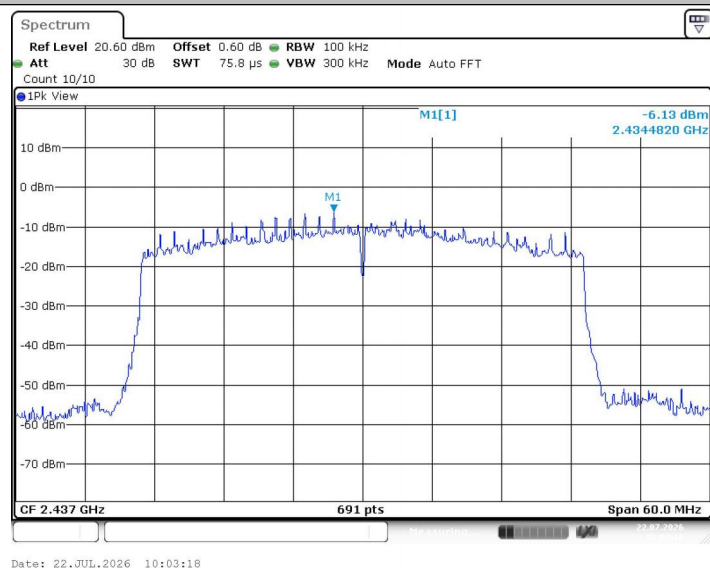


Date: 22.JUL.2026 10:00:55

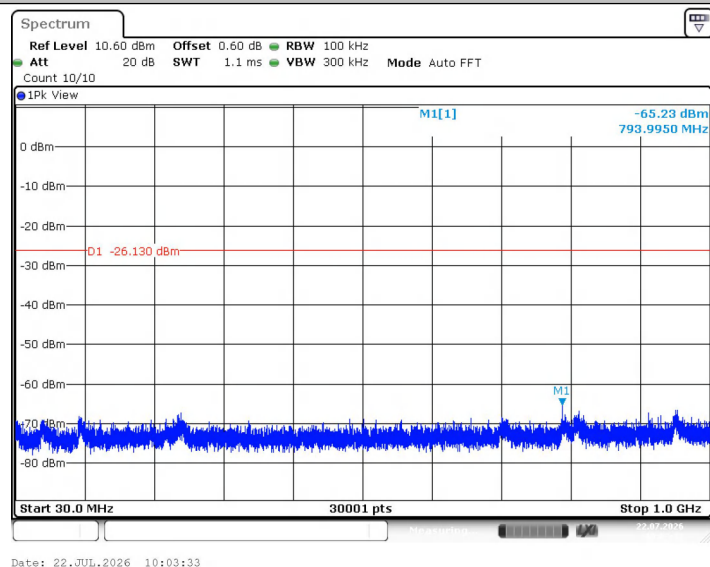
11AX40SISO_Ant1_2422_1000~26500



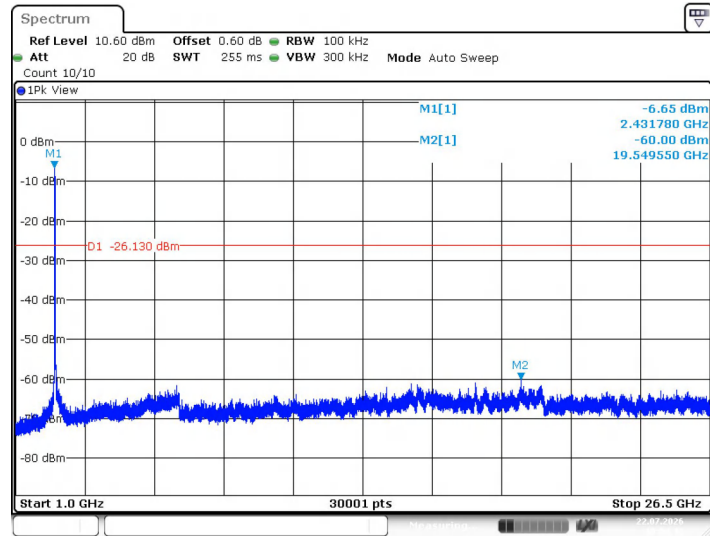
11AX40SISO_Ant1_2437_0~Reference



11AX40SISO_Ant1_2437_30~1000

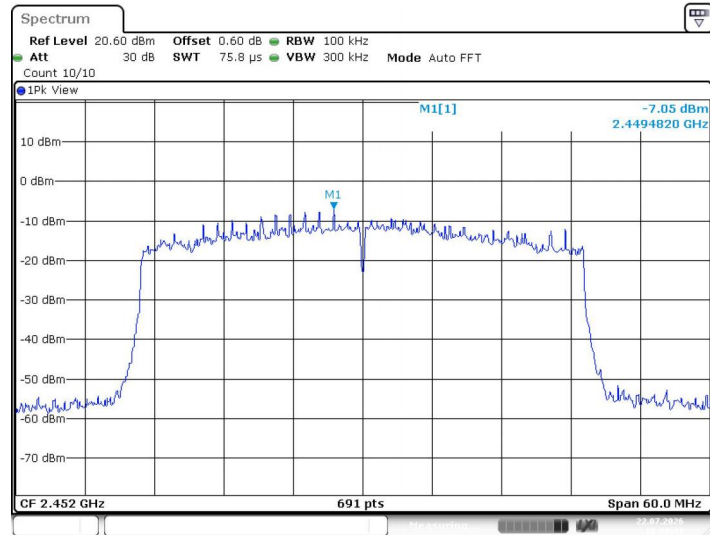


11AX40SISO_Ant1_2437_1000~26500



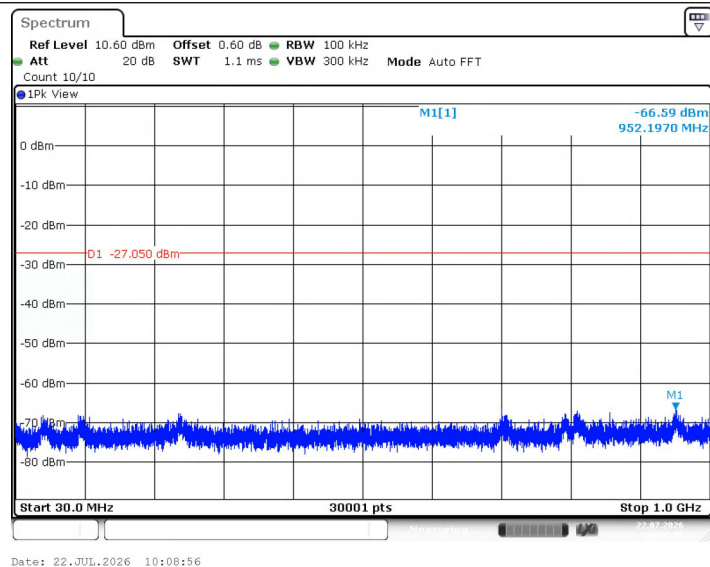
Date: 22.JUL.2026 10:04:10

11AX40SISO_Ant1_2452_0~Reference

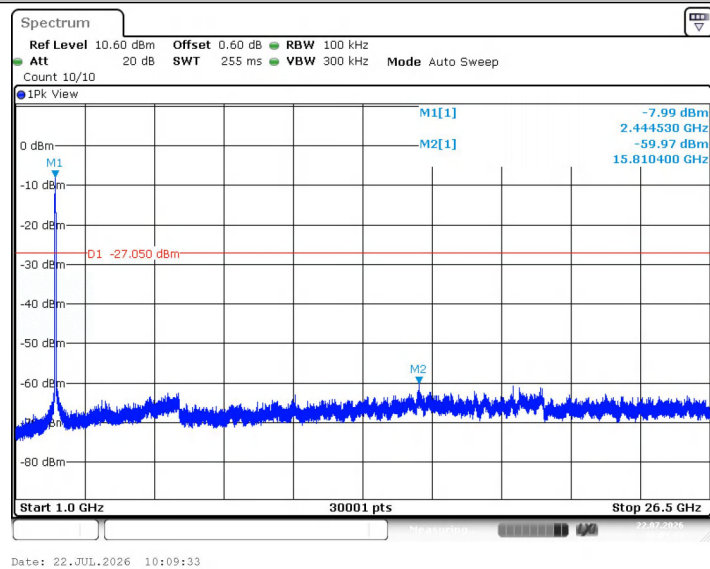


Date: 22.JUL.2026 10:08:41

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11AX40SISO_Ant1_2452_1000~26500



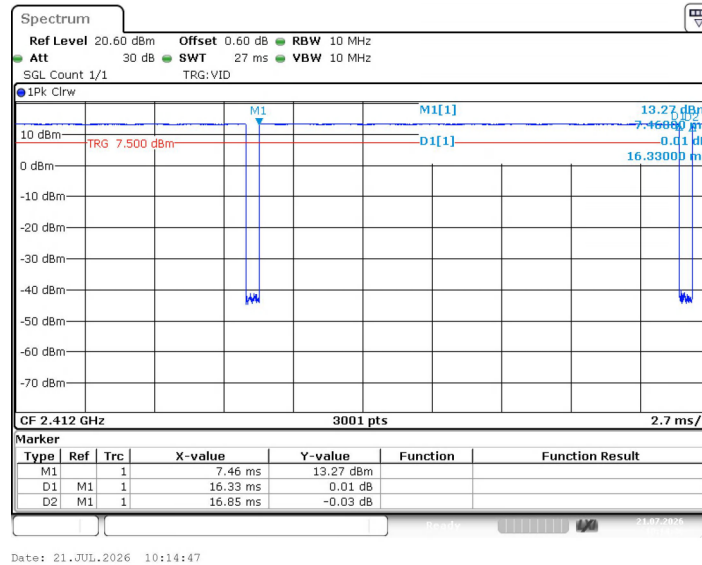
Appendix G: Duty Cycle

Test Result

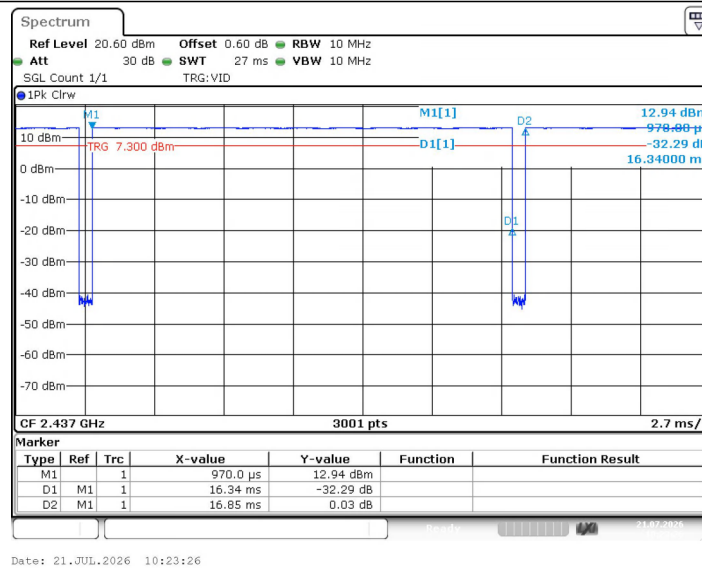
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	T Factor [dB]
11B	Ant1	2412	16.33	16.85	96.91	0.14	0.06
		2437	16.34	16.85	96.97	0.13	0.06
		2462	16.35	16.86	96.98	0.13	0.06
11G	Ant1	2412	5.45	5.96	91.44	0.39	0.18
		2437	5.45	5.96	91.44	0.39	0.18
		2462	5.45	5.96	91.44	0.39	0.18
11N20SISO	Ant1	2412	1.15	1.66	69.28	1.59	0.87
		2437	1.15	1.66	69.28	1.59	0.87
		2462	1.15	1.66	69.28	1.59	0.87
11N40SISO	Ant1	2422	0.57	1.08	52.78	2.78	1.75
		2437	0.57	1.08	52.78	2.78	1.75
		2452	0.57	1.08	52.78	2.78	1.75
11AX20SISO	Ant1	2412	0.98	1.50	65.33	1.85	1.02
		2437	0.99	1.50	66.00	1.80	1.01
		2462	0.99	1.50	66.00	1.80	1.01
11AX40SISO	Ant1	2422	0.52	1.03	50.49	2.97	1.92
		2437	0.52	1.03	50.49	2.97	1.92
		2452	0.52	1.03	50.49	2.97	1.92

Test Graphs

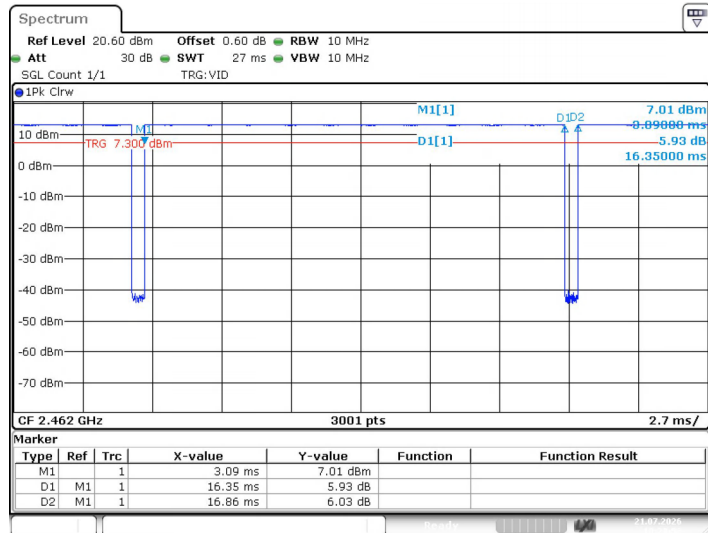
11B_Ant1_2412



11B_Ant1_2437

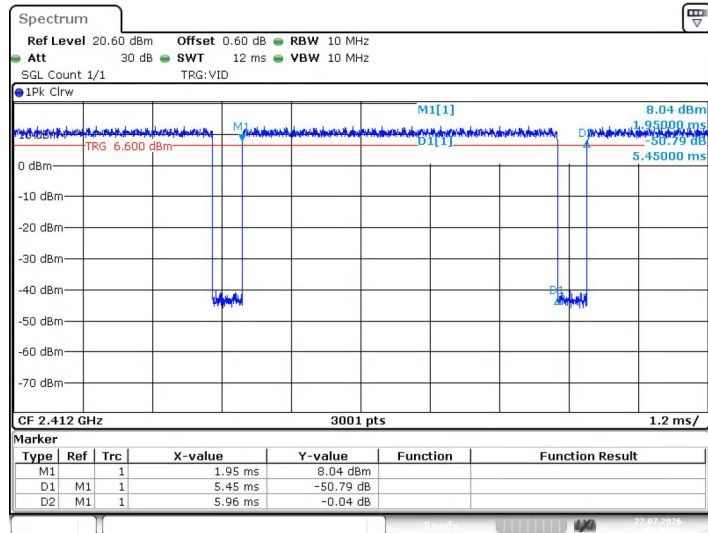


11B_Ant1_2462



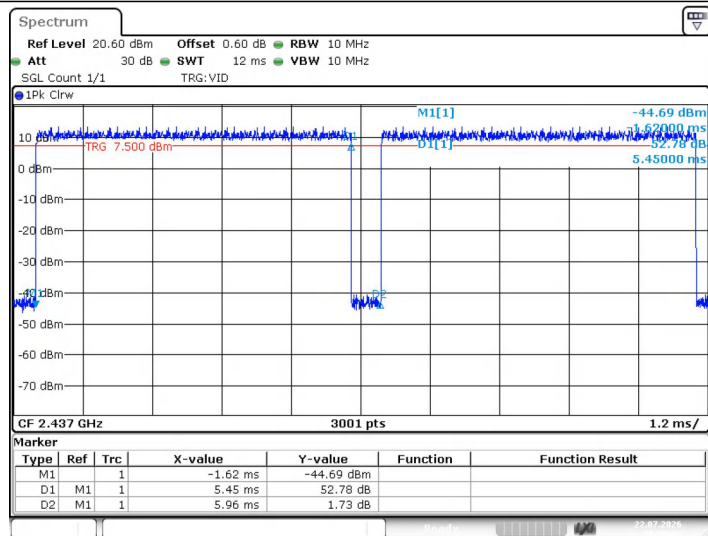
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11G_Ant1_2412



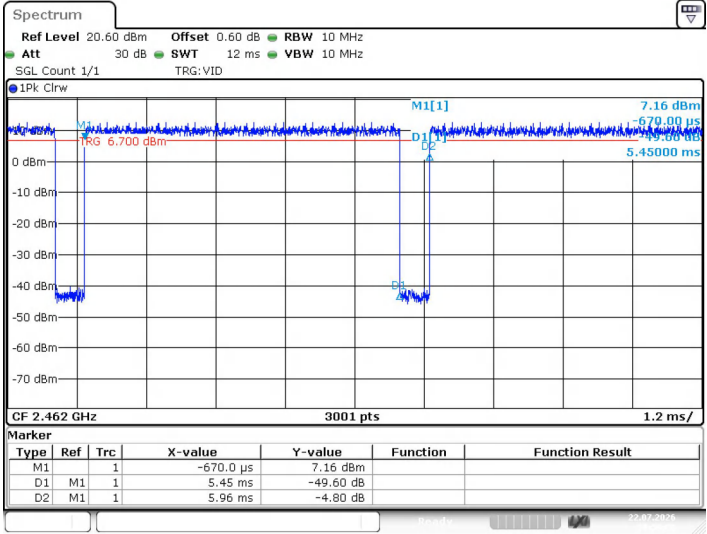
Date: 22.JUL.2026 08:46:40

11G_Ant1_2437



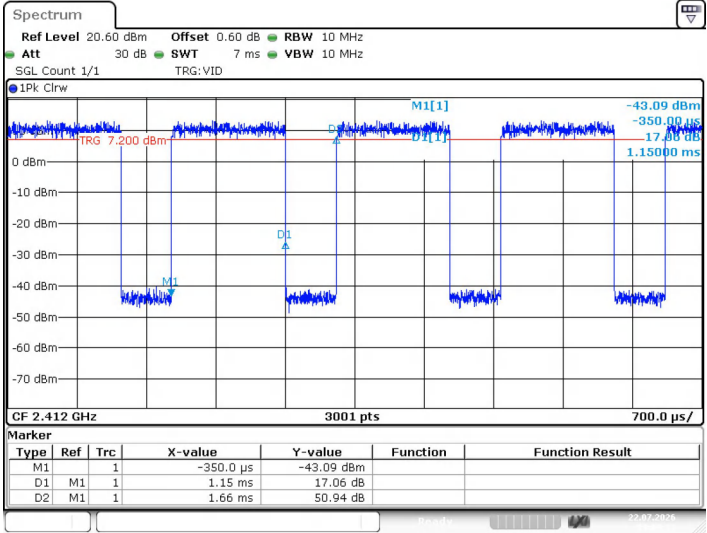
Date: 22.JUL.2026 08:50:01

11G_Ant1_2462



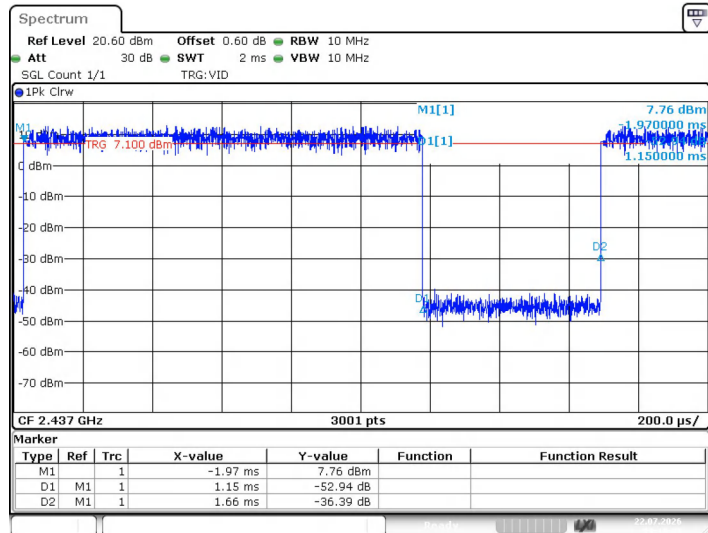
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11N20SISO_Ant1_2412



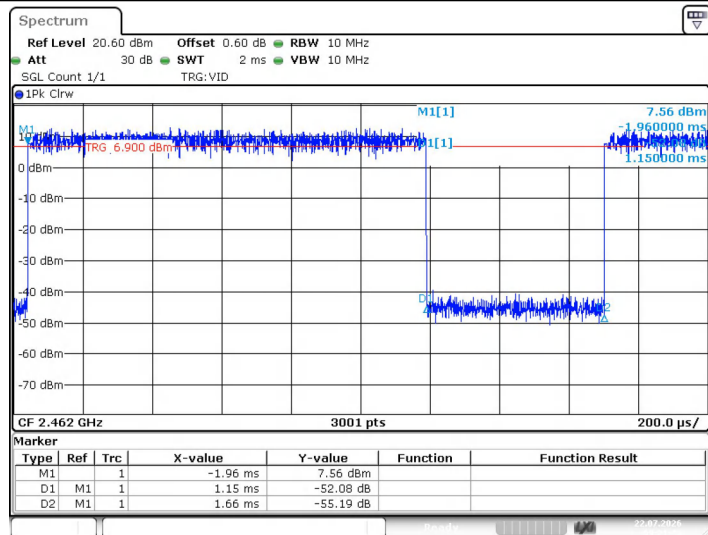
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11N20SISO_Ant1_2437



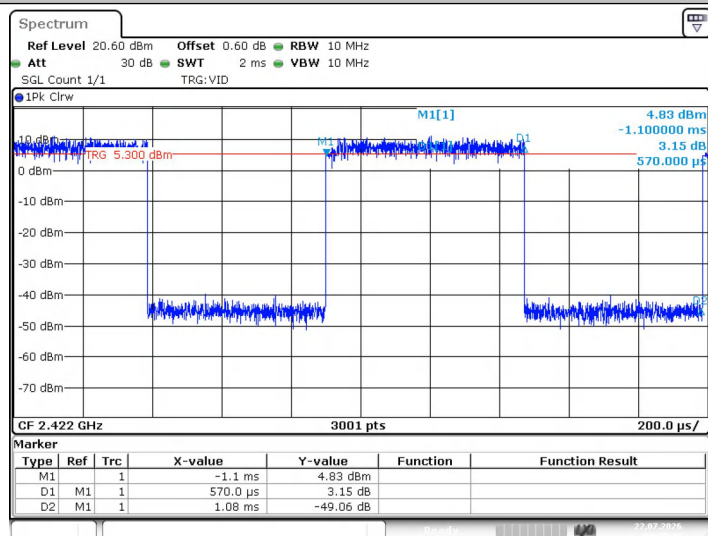
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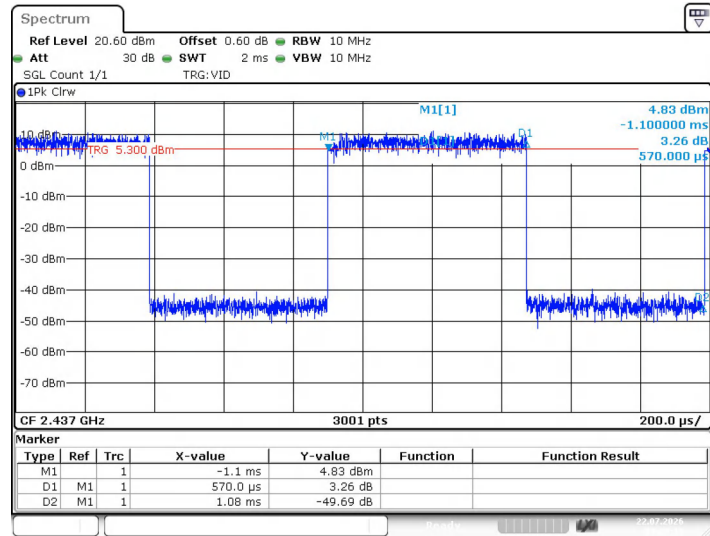
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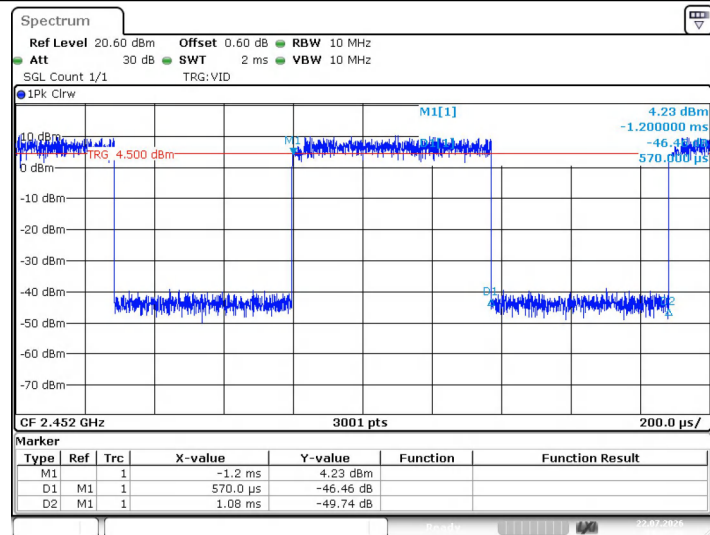


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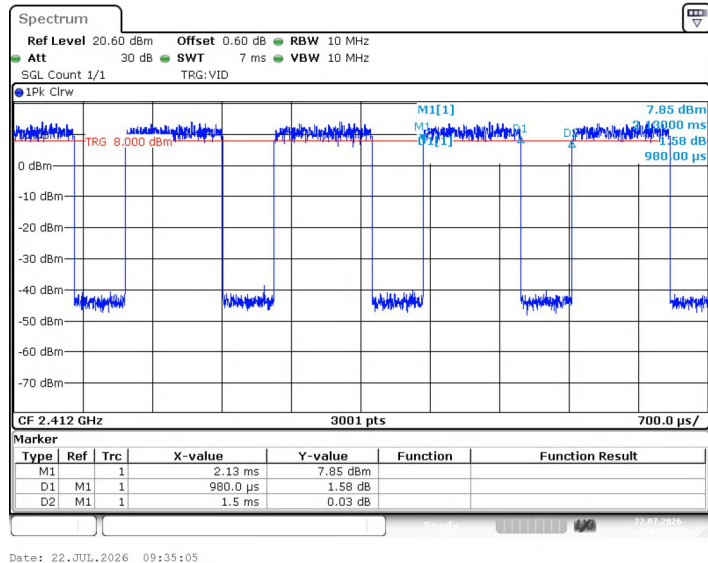
11N40SISO_Ant1_2437



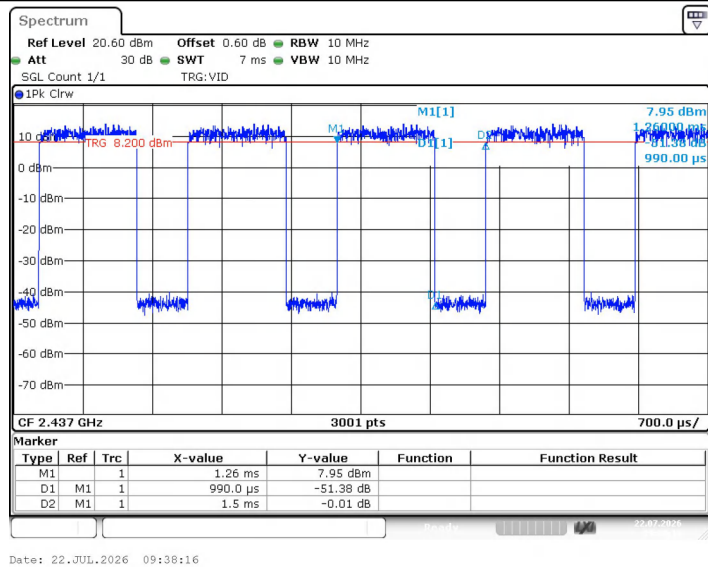
11N40SISO_Ant1_2452



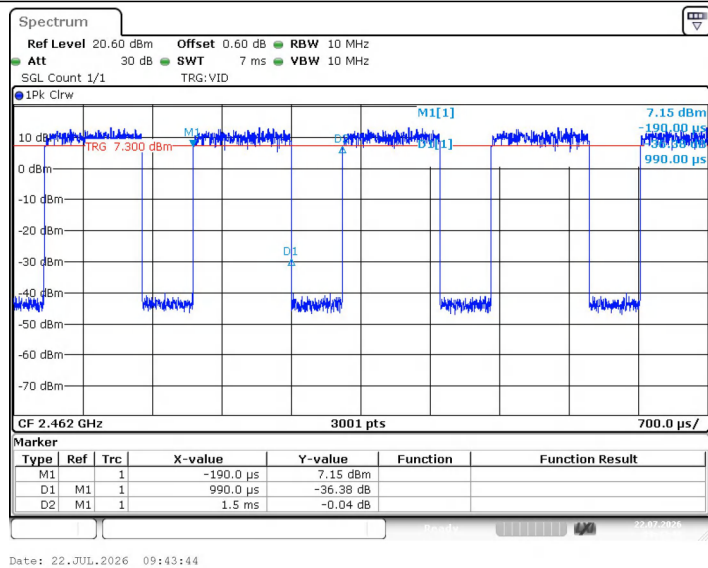
11AX20SISO_Ant1_2412



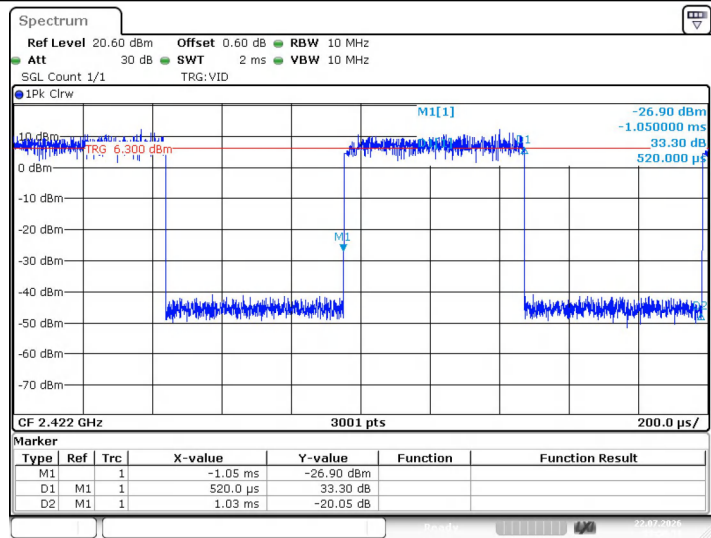
11AX20ISO_Ant1_2437



11AX20ISO_Ant1_2462

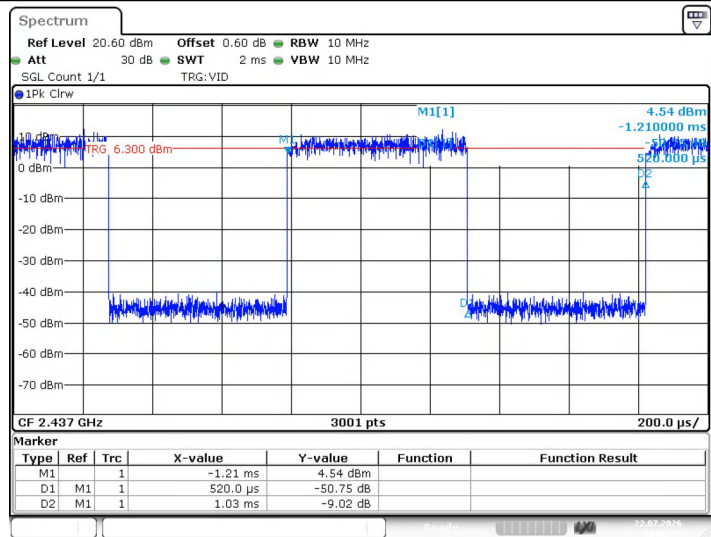


11AX40SISO_Ant1_2422



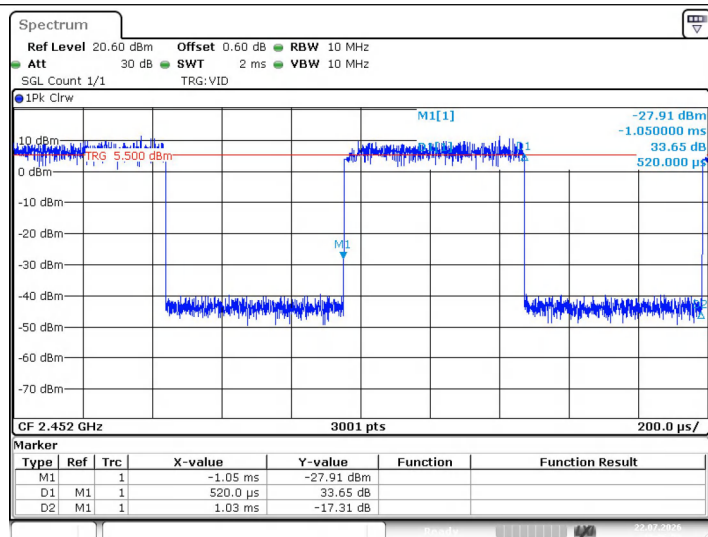
Date: 22.JUL.2026 09:58:51

11AX40SISO_Ant1_2437



Date: 22.JUL.2026 10:02:38

11AX40SISO_Ant1_2452



Date: 22.JUL.2026 10:06:50

Appendix H: Emissions in Restricted Bands

Test Result

TestMod e	Antenn a	ChNam e	Frequen cy[MHz]	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-58.07	5.11	0.14	42.38	≤54	PASS
				AV	2389.116	-54.49	5.11	0.14	45.96	≤54	PASS
				AV	2390.000	-54.52	5.11	0.14	45.93	≤54	PASS
				Peak	2310.000	-47.52	5.11	0.00	52.79	≤74	PASS
				Peak	2389.304	-38.49	5.11	0.00	61.82	≤74	PASS
				Peak	2390.000	-38.91	5.11	0.00	61.4	≤74	PASS
		High	2462	AV	2483.500	-53.33	5.11	0.13	47.11	≤54	PASS
				AV	2483.522	-53.33	5.11	0.13	47.11	≤54	PASS
				AV	2500.000	-55.09	5.11	0.13	45.35	≤54	PASS
				Peak	2483.500	-35.73	5.11	0.00	64.58	≤74	PASS
				Peak	2485.116	-33.93	5.11	0.00	66.38	≤74	PASS
				Peak	2500.000	-43.57	5.11	0.00	56.74	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-59	5.11	0.39	41.7	≤54	PASS
				AV	2339.754	-57.12	5.11	0.39	43.58	≤54	PASS
				AV	2390.000	-57.26	5.11	0.39	43.44	≤54	PASS
				Peak	2310.000	-48.38	5.11	0.00	51.93	≤74	PASS
				Peak	2389.681	-45.76	5.11	0.00	54.55	≤74	PASS
				Peak	2390.000	-45.99	5.11	0.00	54.32	≤74	PASS
		High	2462	AV	2483.500	-56.8	5.11	0.39	43.9	≤54	PASS
				AV	2483.522	-56.8	5.11	0.39	43.9	≤54	PASS
				AV	2500.000	-57.6	5.11	0.39	43.1	≤54	PASS
				Peak	2483.500	-46.15	5.11	0.00	54.16	≤74	PASS
				Peak	2484.319	-44.12	5.11	0.00	56.19	≤74	PASS
				Peak	2500.000	-45.49	5.11	0.00	54.82	≤74	PASS
11N20SI SO	Ant1	Low	2412	AV	2310.000	-59.21	5.11	1.59	42.69	≤54	PASS
				AV	2339.565	-57.33	5.11	1.59	44.57	≤54	PASS
				AV	2390.000	-58.08	5.11	1.59	43.82	≤54	PASS
				Peak	2310.000	-48.67	5.11	0.00	51.64	≤74	PASS
				Peak	2343.333	-45.82	5.11	0.00	54.49	≤74	PASS
				Peak	2390.000	-46.74	5.11	0.00	53.57	≤74	PASS
		High	2462	AV	2483.500	-57.05	5.11	1.59	44.85	≤54	PASS
				AV	2483.522	-57.05	5.11	1.59	44.85	≤54	PASS
				AV	2500.000	-57.96	5.11	1.59	43.94	≤54	PASS
				Peak	2483.500	-45.21	5.11	0.00	55.1	≤74	PASS
				Peak	2483.522	-45.21	5.11	0.00	55.1	≤74	PASS
				Peak	2500.000	-46.95	5.11	0.00	53.36	≤74	PASS

11N40SI SO	Ant1	Low	2422	AV	2310.000	-59.25	5.11	2.78	43.84	≤54	PASS
				AV	2389.783	-57.95	5.11	2.78	45.14	≤54	PASS
				AV	2390.000	-57.91	5.11	2.78	45.18	≤54	PASS
				Peak	2310.000	-48.44	5.11	0.00	51.87	≤74	PASS
				Peak	2389.348	-45.58	5.11	0.00	54.73	≤74	PASS
				Peak	2390.000	-46.38	5.11	0.00	53.93	≤74	PASS
		High	2452	AV	2483.500	-56.27	5.11	2.78	46.82	≤54	PASS
				AV	2483.514	-56.27	5.11	2.78	46.82	≤54	PASS
				AV	2500.000	-58.37	5.11	2.78	44.72	≤54	PASS
				Peak	2483.500	-40.51	5.11	0.00	59.8	≤74	PASS
				Peak	2483.514	-40.51	5.11	0.00	59.8	≤74	PASS
				Peak	2500.000	-45.19	5.11	0.00	55.12	≤74	PASS
11AX20 SISO	Ant1	Low	2412	AV	2310.000	-59.28	5.11	1.85	42.88	≤54	PASS
				AV	2340.130	-57.3	5.11	1.85	44.86	≤54	PASS
				AV	2390.000	-57.92	5.11	1.85	44.24	≤54	PASS
				Peak	2310.000	-48.25	5.11	0.00	52.06	≤74	PASS
				Peak	2388.739	-45.88	5.11	0.00	54.43	≤74	PASS
				Peak	2390.000	-46.24	5.11	0.00	54.07	≤74	PASS
		High	2462	AV	2483.500	-57.12	5.11	1.80	44.99	≤54	PASS
				AV	2483.522	-57.12	5.11	1.80	44.99	≤54	PASS
				AV	2500.000	-58.02	5.11	1.80	44.09	≤54	PASS
				Peak	2483.500	-44.37	5.11	0.00	55.94	≤74	PASS
				Peak	2483.522	-44.37	5.11	0.00	55.94	≤74	PASS
				Peak	2500.000	-45.8	5.11	0.00	54.51	≤74	PASS
11AX40 SISO	Ant1	Low	2422	AV	2310.000	-59.4	5.11	2.97	43.88	≤54	PASS
				AV	2389.783	-58.06	5.11	2.97	45.22	≤54	PASS
				AV	2390.000	-58.04	5.11	2.97	45.24	≤54	PASS
				Peak	2310.000	-48.61	5.11	0.00	51.7	≤74	PASS
				Peak	2389.783	-43.5	5.11	0.00	56.81	≤74	PASS
				Peak	2390.000	-43.34	5.11	0.00	56.97	≤74	PASS
		High	2452	AV	2483.500	-56.81	5.11	2.97	46.47	≤54	PASS
				AV	2483.514	-56.81	5.11	2.97	46.47	≤54	PASS
				AV	2500.000	-58.59	5.11	2.97	44.69	≤54	PASS
				Peak	2483.500	-43.54	5.11	0.00	56.77	≤74	PASS
				Peak	2483.514	-43.54	5.11	0.00	56.77	≤74	PASS
				Peak	2500.000	-46.71	5.11	0.00	53.6	≤74	PASS

Note:

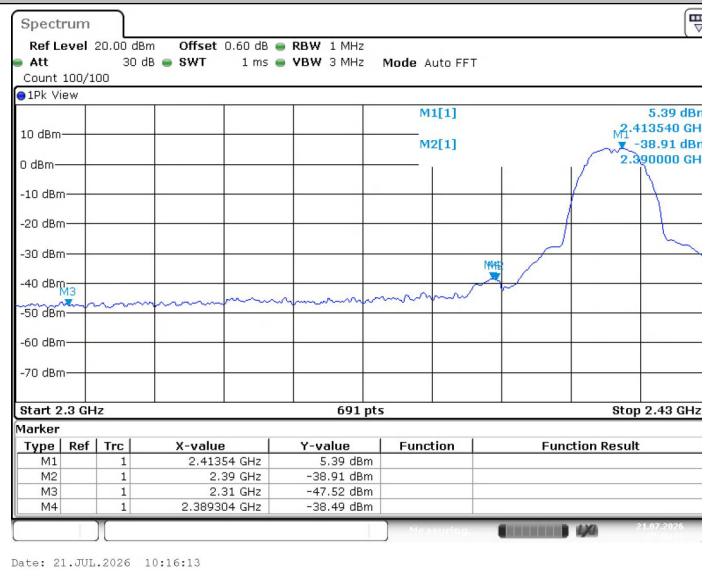
1. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

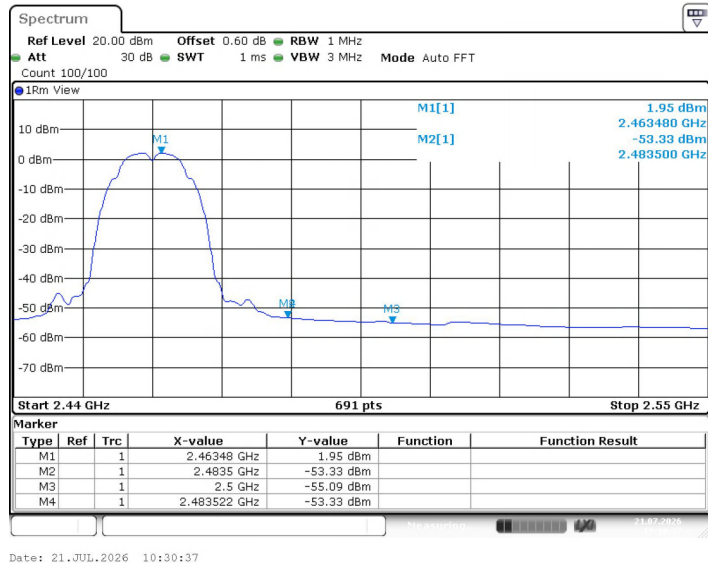
11B_Ant1_Low_2412_AV



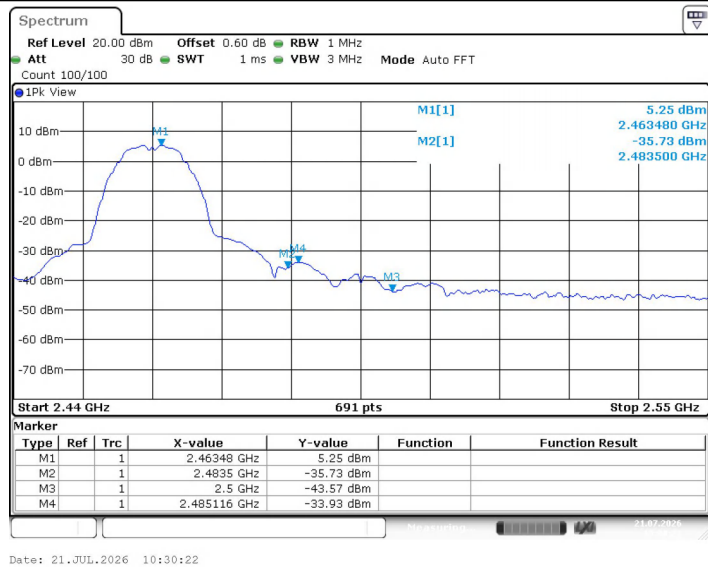
11B_Ant1_Low_2412_Peak



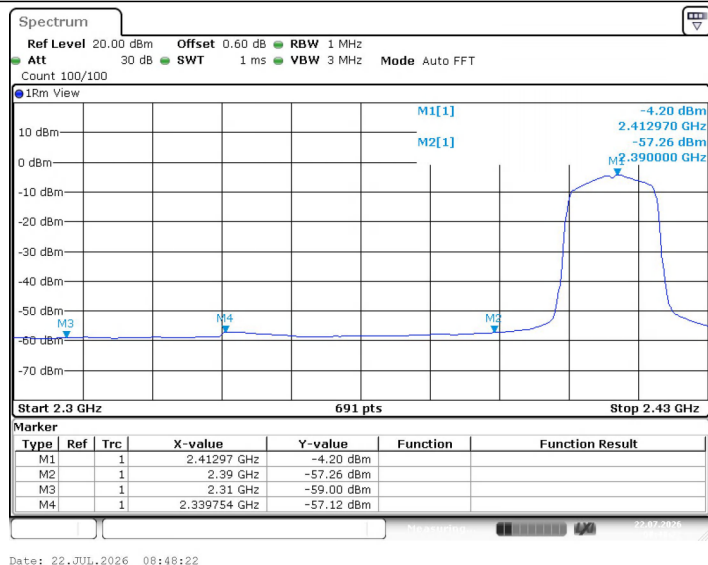
11B_Ant1_High_2462_AV



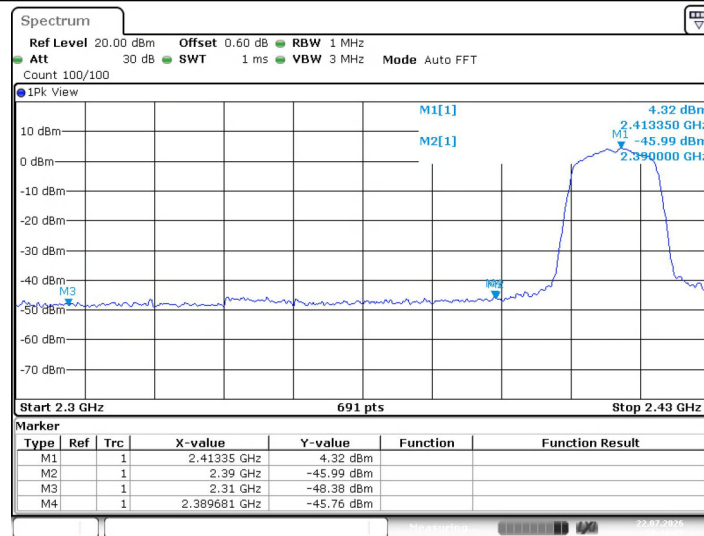
11B_Ant1_High_2462_Peak



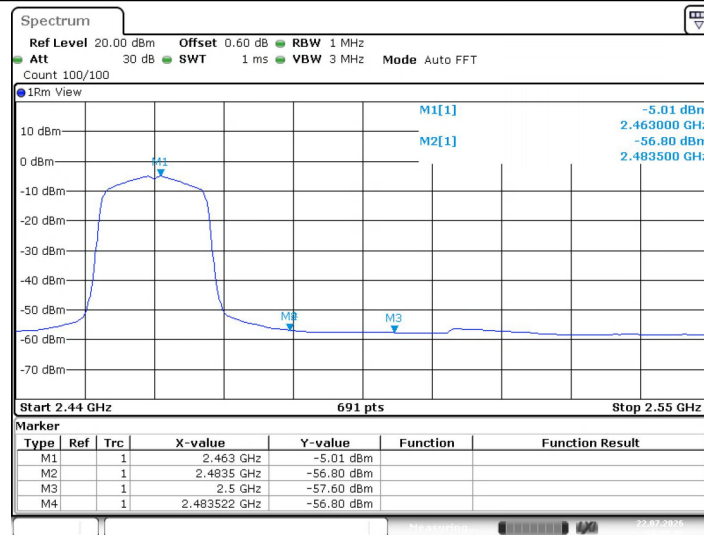
11G_Ant1_Low_2412_AV



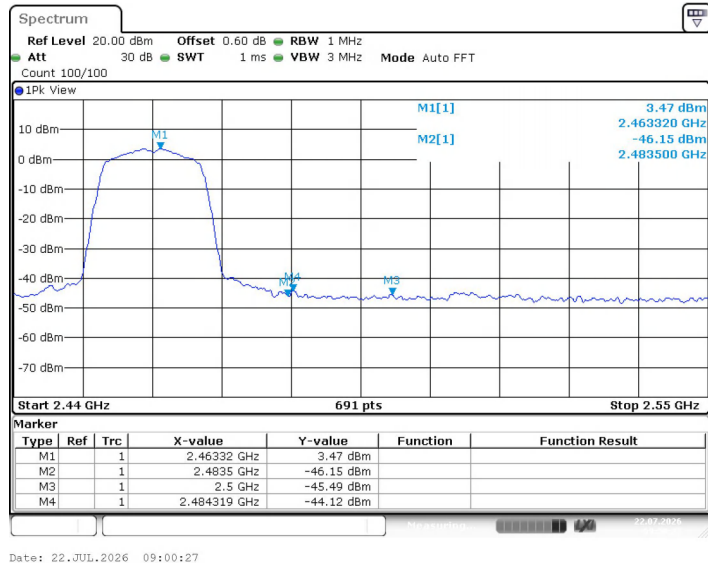
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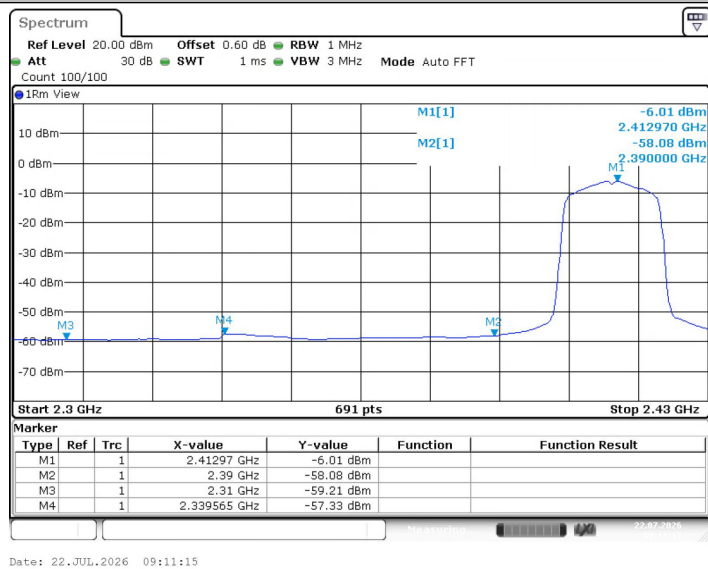
11G_Ant1_High_2462_AV



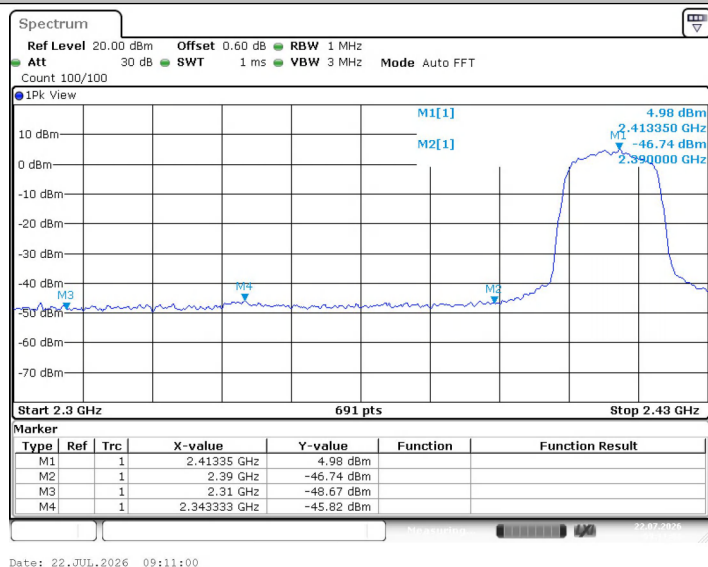
11G_Ant1_High_2462_Peak



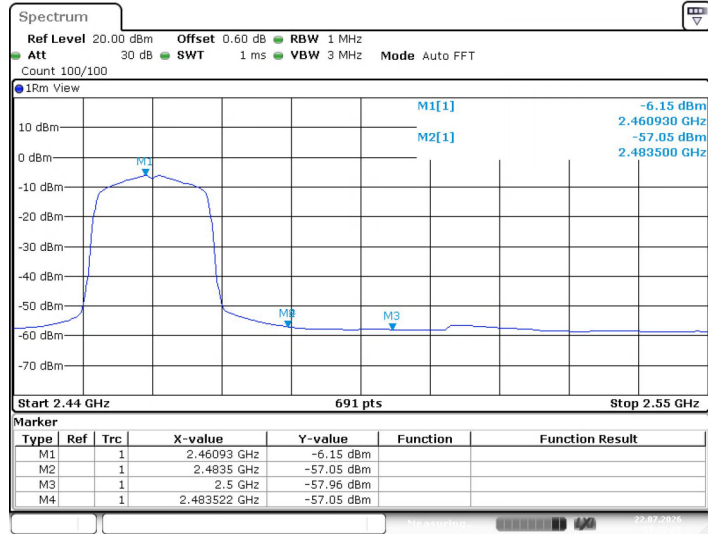
11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak

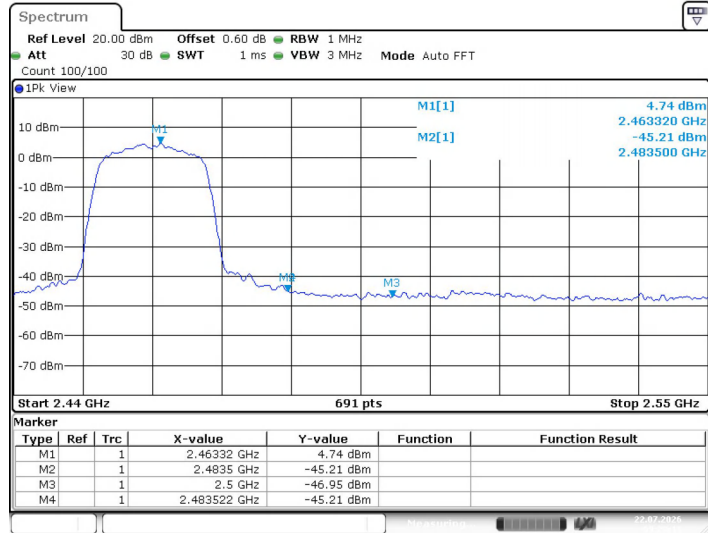


11N20SISO_Ant1_High_2462_AV



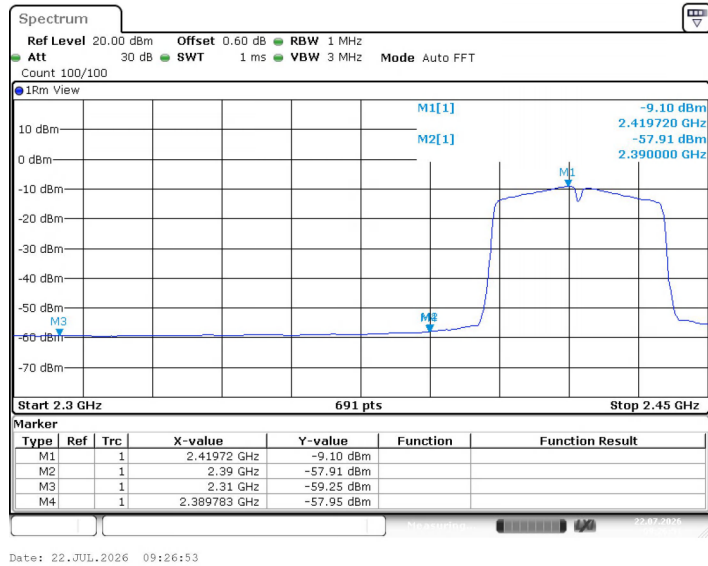
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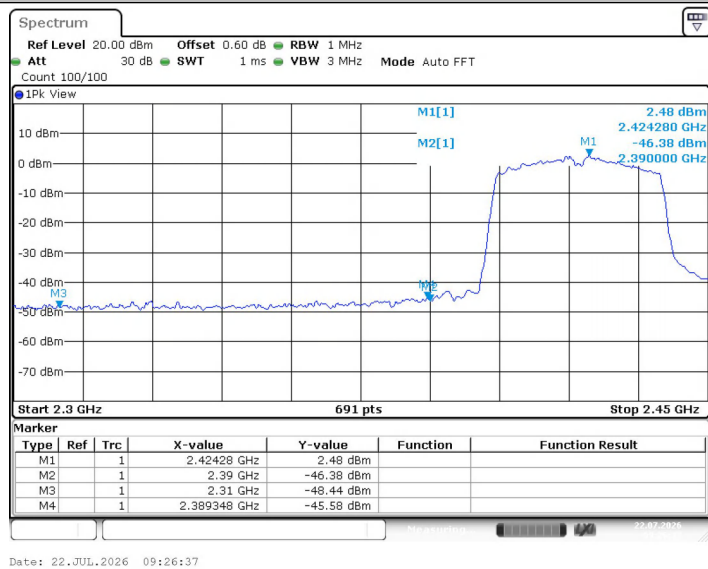


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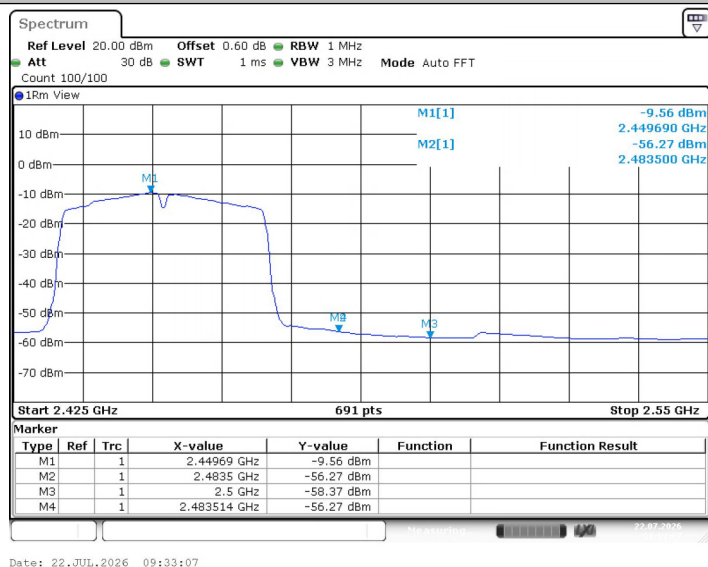
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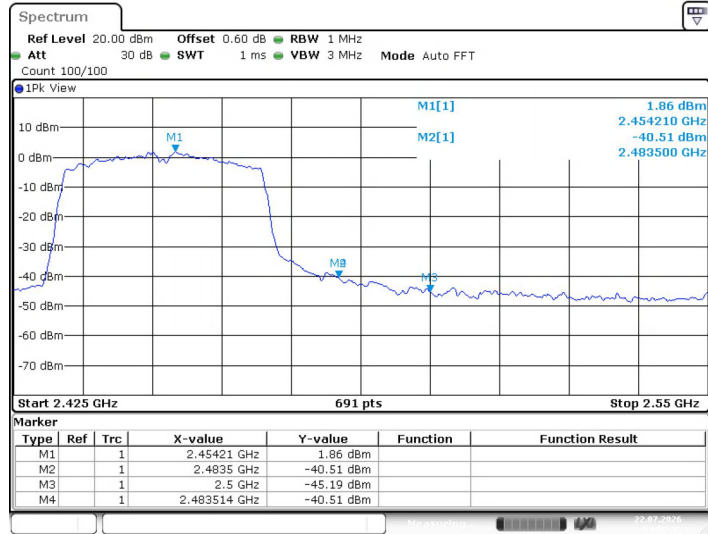
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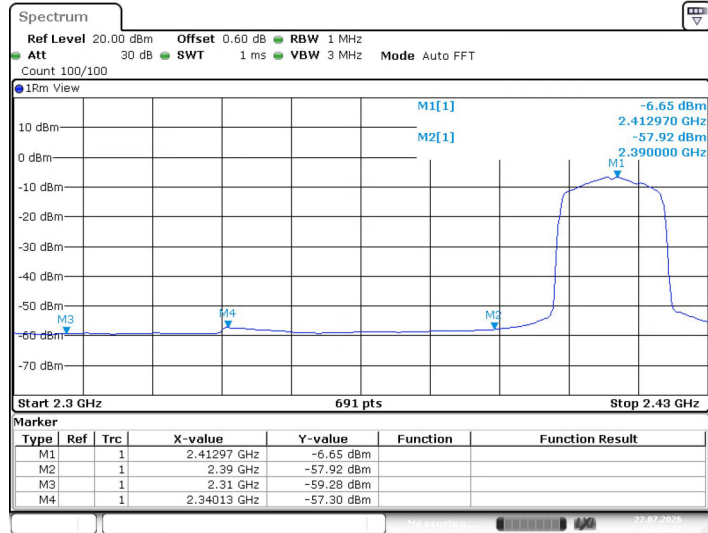
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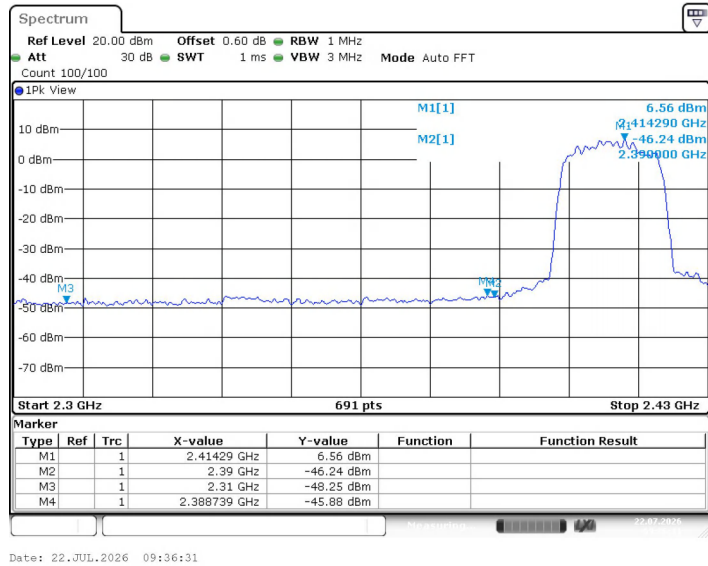
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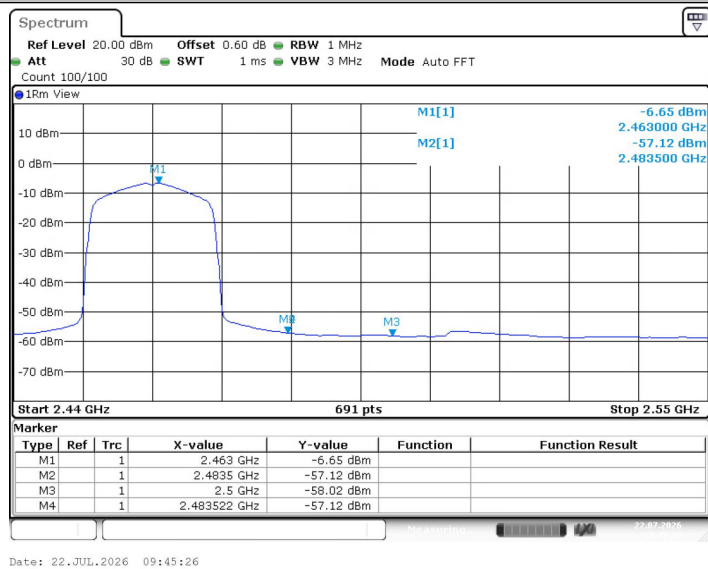
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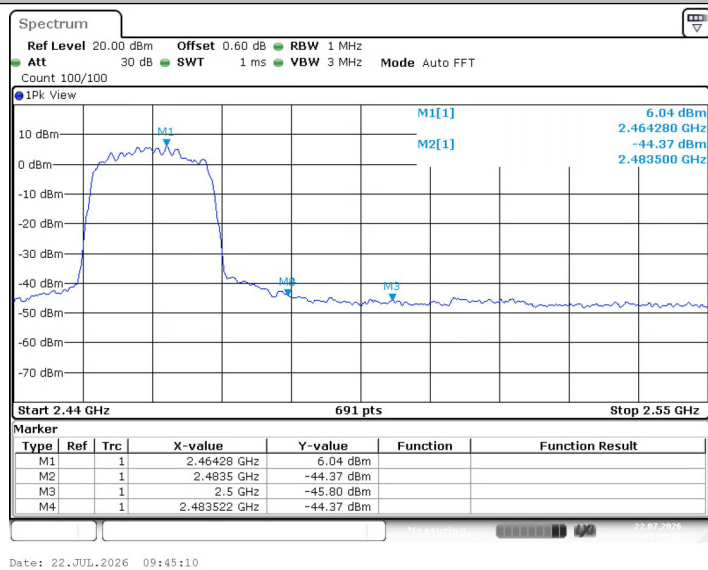
11AX20SISO_Ant1_Low_2412_Peak



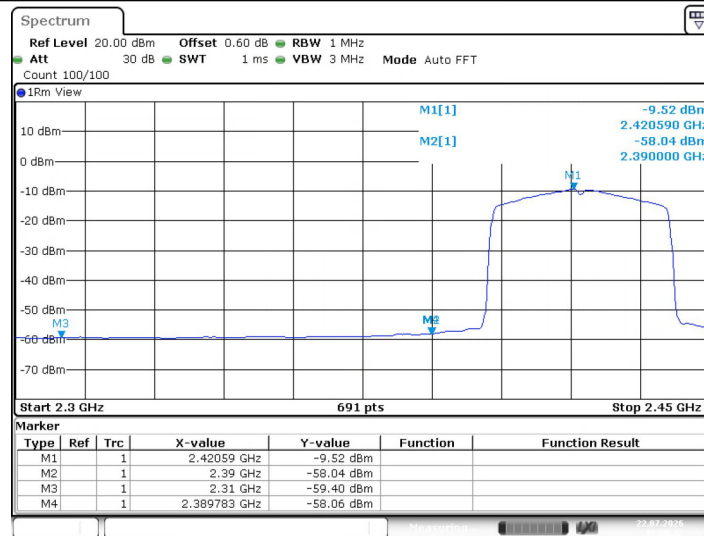
11AX20SISO_Ant1_High_2462_AV



11AX20SISO_Ant1_High_2462_Peak

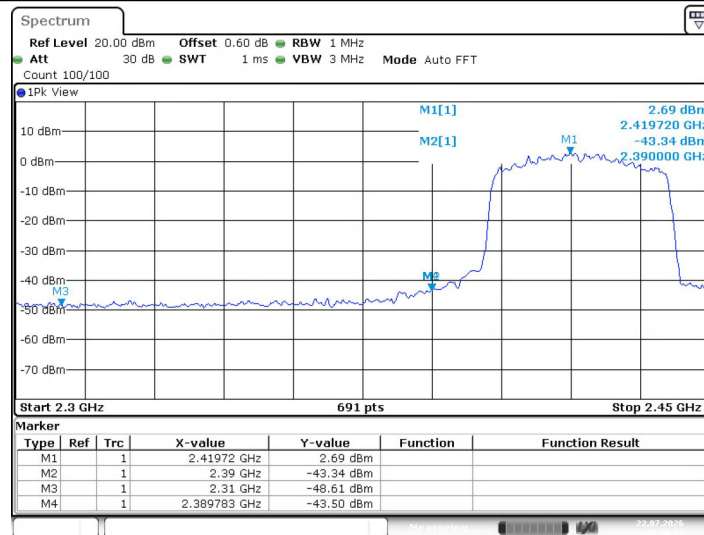


11AX40SISO_Ant1_Low_2422_AV



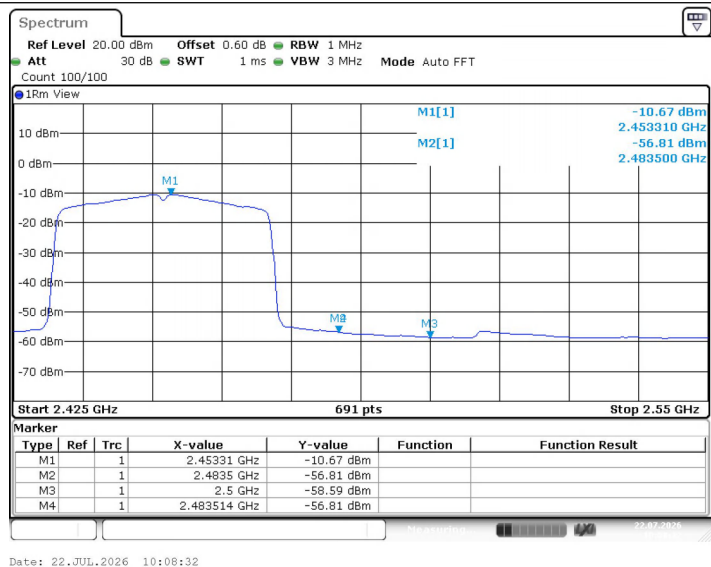
Date: 22.JUL.2026 10:00:32

11AX40SISO_Ant1_Low_2422_Peak

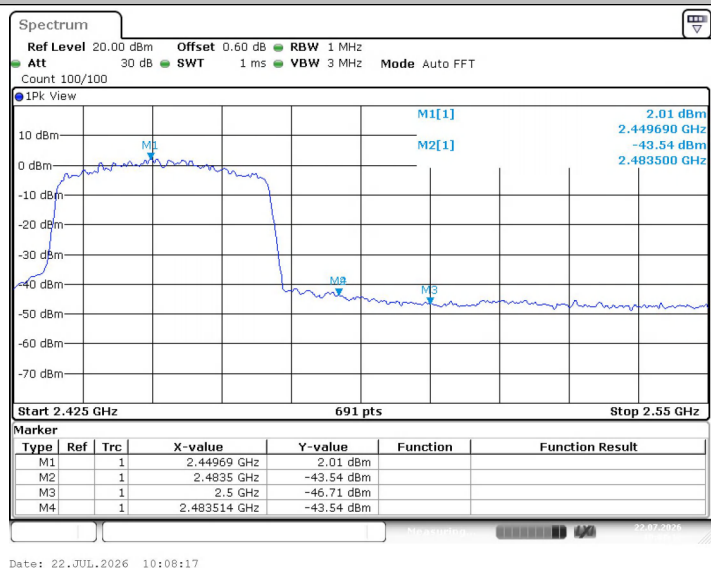


Date: 22.JUL.2026 10:00:17

11AX40SISO_Ant1_High_2452_AV



11AX40ISO_Ant1_High_2452_Peak



FCC Appendix RF Test Data for 2.4GWIFI Antenna 2

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	11.12	2406.88	2418.00	0.5	PASS
		2437	12.04	2430.96	2443.00	0.5	PASS
		2462	12.04	2455.96	2468.00	0.5	PASS
11G	Ant2	2412	16.36	2403.80	2420.16	0.5	PASS
		2437	16.36	2428.80	2445.16	0.5	PASS
		2462	16.36	2453.80	2470.16	0.5	PASS
11N20SISO	Ant2	2412	17.36	2403.24	2420.60	0.5	PASS
		2437	17.48	2428.24	2445.72	0.5	PASS
		2462	17.48	2453.24	2470.72	0.5	PASS
11N40SISO	Ant2	2422	36.08	2403.92	2440.00	0.5	PASS
		2437	36.24	2418.84	2455.08	0.5	PASS
		2452	36.16	2433.92	2470.08	0.5	PASS
11AX20SISO	Ant2	2412	18.96	2402.52	2421.48	0.5	PASS
		2437	18.92	2427.48	2446.40	0.5	PASS
		2462	18.96	2452.52	2471.48	0.5	PASS
11AX40SISO	Ant2	2422	37.68	2403.20	2440.88	0.5	PASS
		2437	38.00	2417.96	2455.96	0.5	PASS
		2452	36.08	2433.84	2469.92	0.5	PASS