

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BWUX-1798

Company : Shenzhen Haojinglai Technology Co.,Ltd

EUT : car monitor

Model Number : 1798

Report No. : CTA26061700402

Reviewed By : Eric Wang

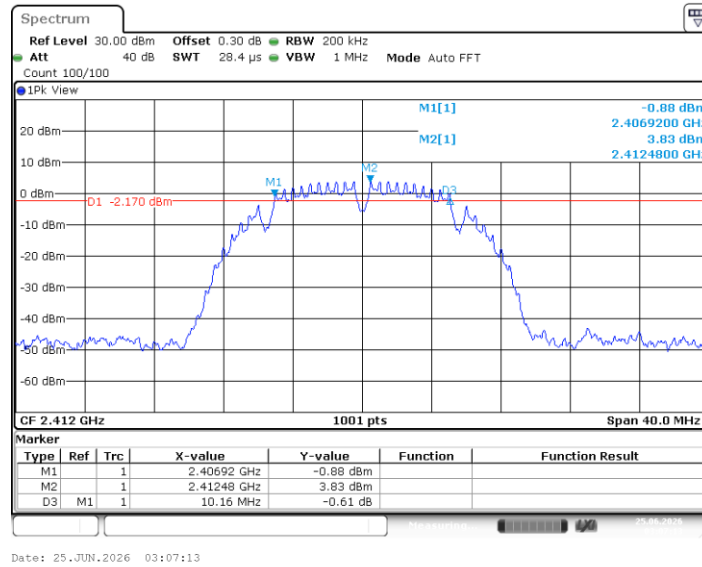
Appendix A: DTS Bandwidth

Test Result

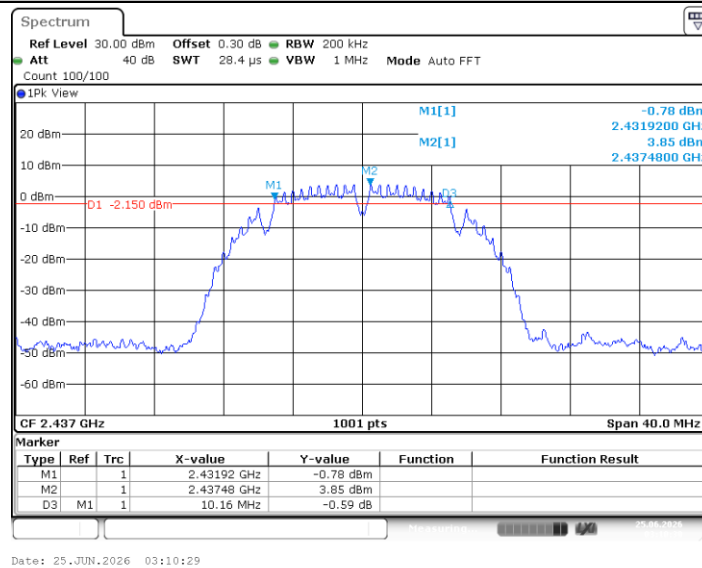
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.16	2406.92	2417.08	0.5	PASS
		2437	10.16	2431.92	2442.08	0.5	PASS
		2462	10.16	2456.92	2467.08	0.5	PASS
11G	Ant1	2412	15.60	2404.00	2419.60	0.5	PASS
		2437	15.88	2429.04	2444.92	0.5	PASS
		2462	15.52	2454.08	2469.60	0.5	PASS
11N20SISO	Ant1	2412	15.20	2404.40	2419.60	0.5	PASS
		2437	16.32	2428.60	2444.92	0.5	PASS
		2462	15.76	2454.00	2469.76	0.5	PASS
11N40SISO	Ant1	2422	35.60	2404.32	2439.92	0.5	PASS
		2437	36.24	2419.00	2455.24	0.5	PASS
		2452	36.16	2433.84	2470.00	0.5	PASS

Test Graphs

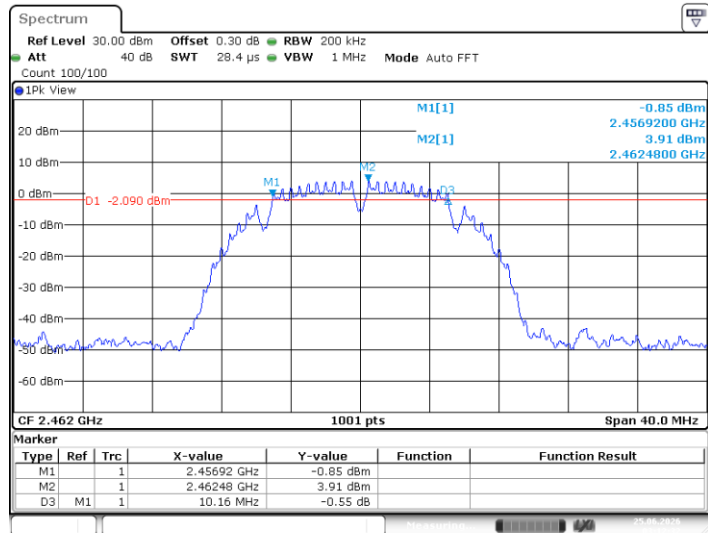
11B_Ant1_2412



11B_Ant1_2437

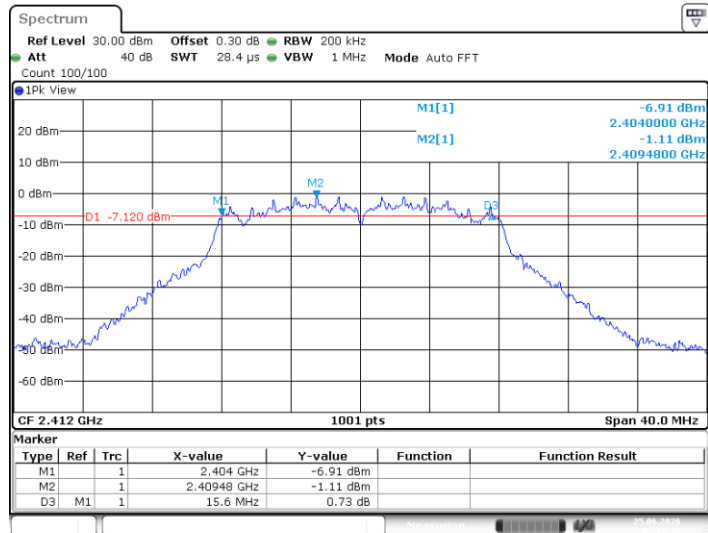


11B_Ant1_2462



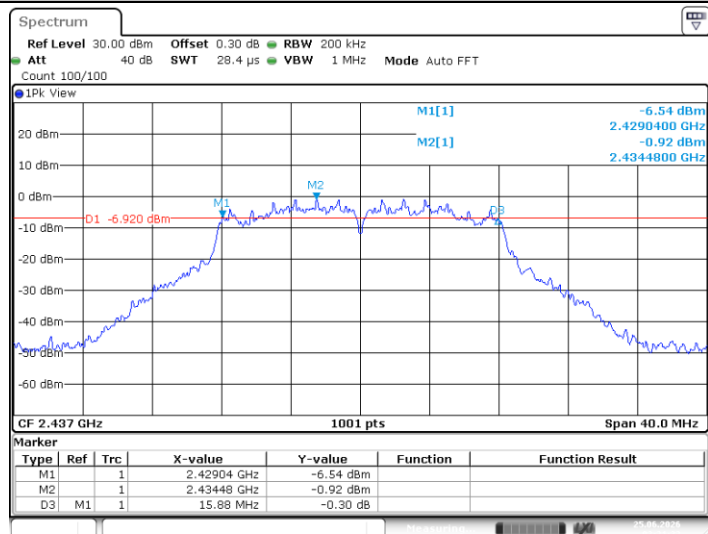
Date: 25.JUN.2026 03:12:32

11G_Ant1_2412



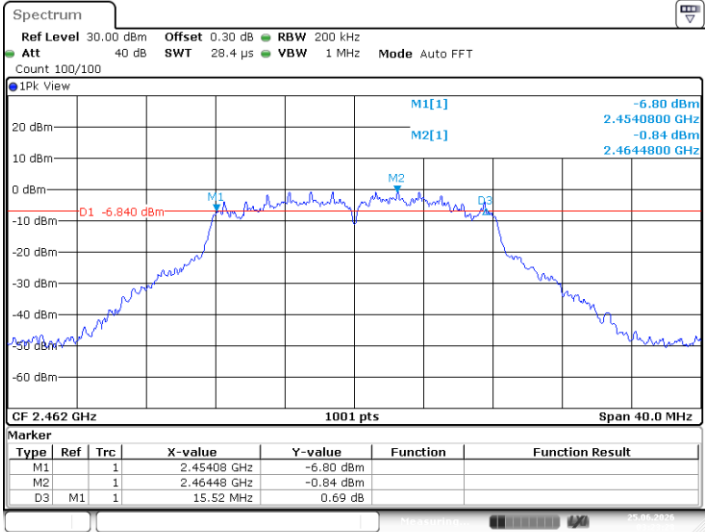
Date: 25.JUN.2026 03:18:17

11G_Ant1_2437



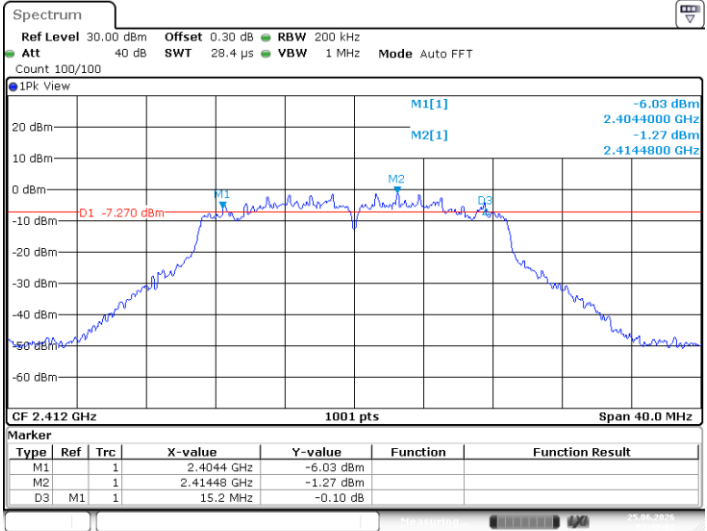
Date: 25.JUN.2026 03:21:33

11G_Ant1_2462



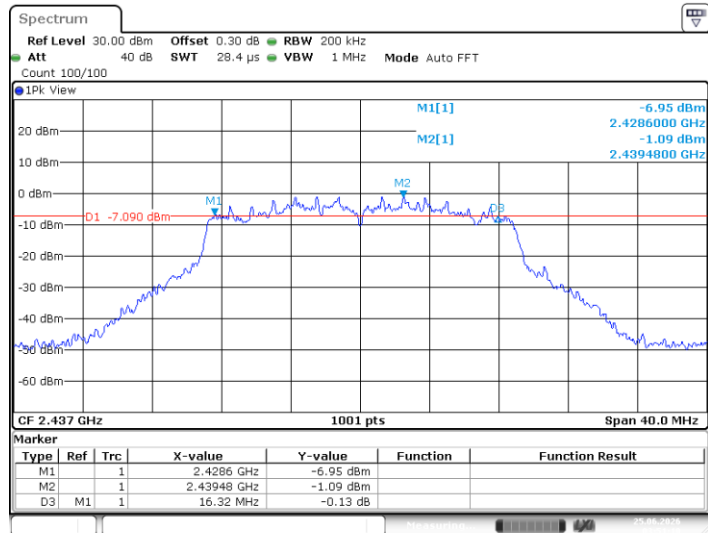
Date: 25.JUN.2026 03:23:29

11N20SISO_Ant1_2412



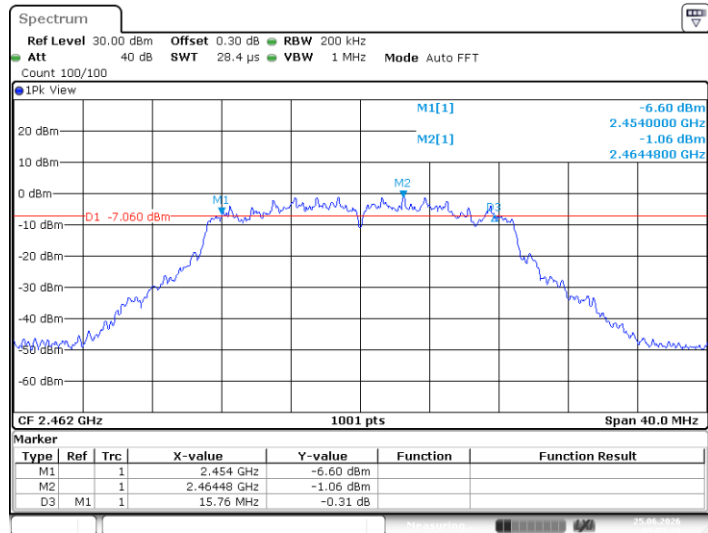
Date: 25.JUN.2026 03:48:02

11N20SISO_Ant1_2437



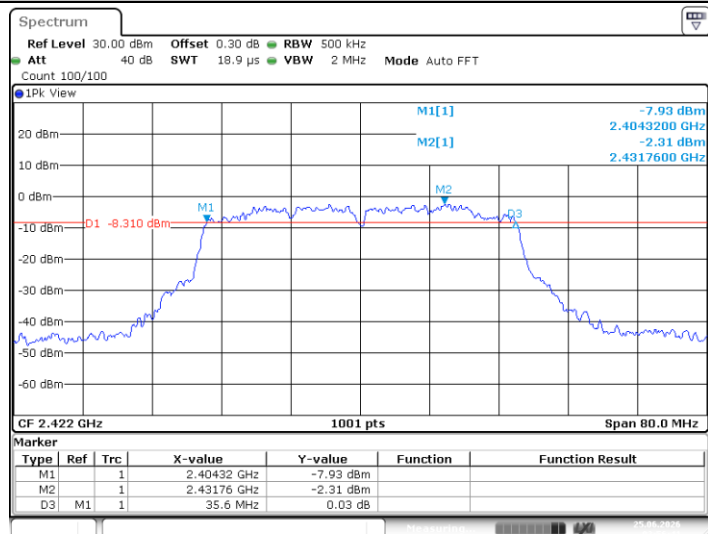
Date: 25.JUN.2026 03:51:10

11N20SISO_Ant1_2462



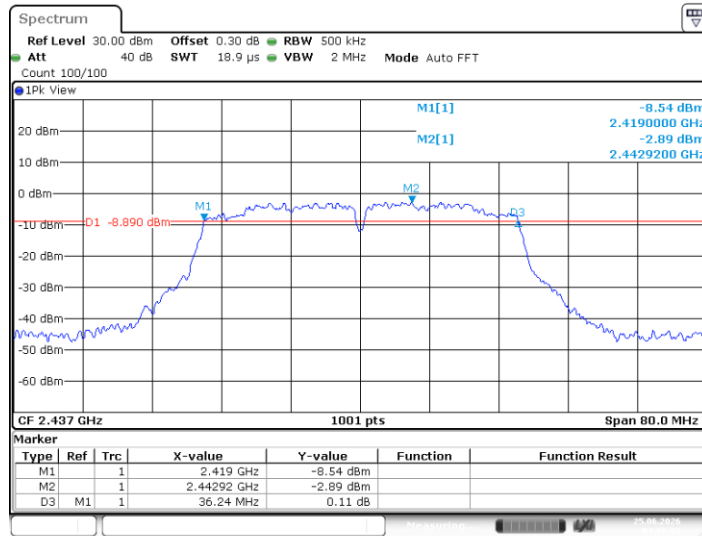
Date: 25.JUN.2026 03:53:29

11N40SISO_Ant1_2422



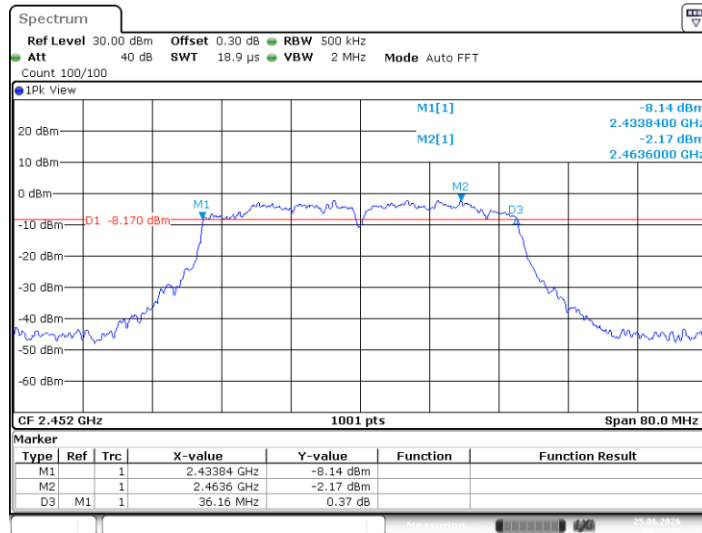
Date: 25.JUN.2026 03:56:40

11N40SISO_Ant1_2437



Date: 25.JUN.2026 04:00:08

11N40SISO_Ant1_2452



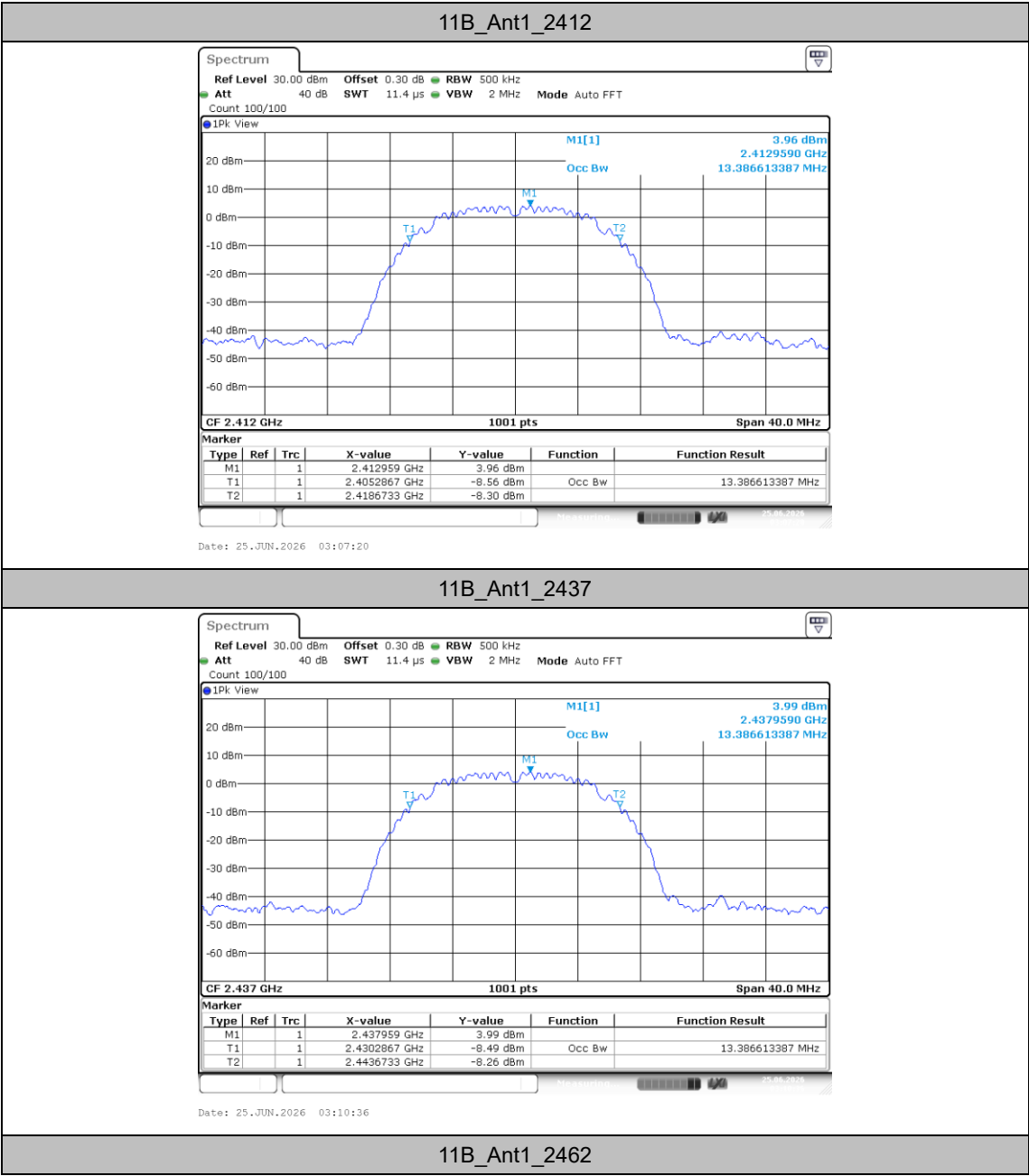
Date: 25.JUN.2026 04:02:32

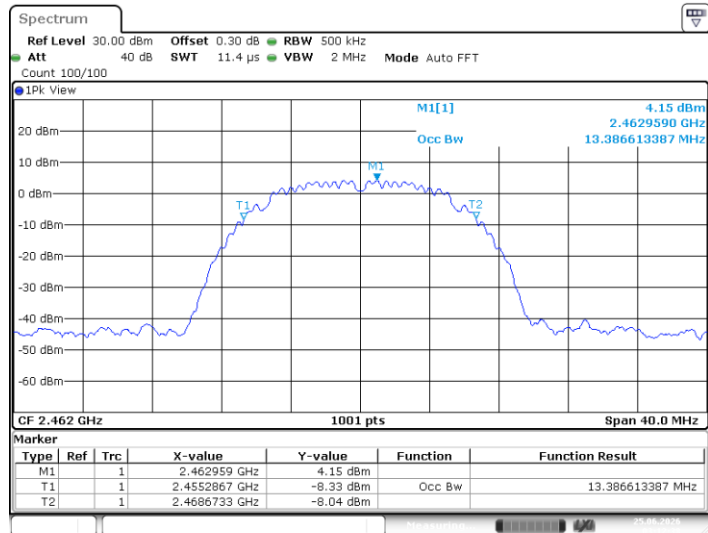
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.387	2405.2867	2418.6733	---	---
		2437	13.387	2430.2867	2443.6733	---	---
		2462	13.387	2455.2867	2468.6733	---	---
11G	Ant1	2412	16.983	2403.5684	2420.5514	---	---
		2437	16.743	2428.6484	2445.3916	---	---
		2462	16.983	2453.5285	2470.5115	---	---
11N20SISO	Ant1	2412	17.822	2403.0090	2420.8312	---	---
		2437	18.022	2427.9291	2445.9510	---	---
		2462	17.862	2453.0490	2470.9111	---	---
11N40SISO	Ant1	2422	36.044	2404.0180	2440.0619	---	---
		2437	36.124	2418.9381	2455.0619	---	---
		2452	36.204	2434.0180	2470.2218	---	---

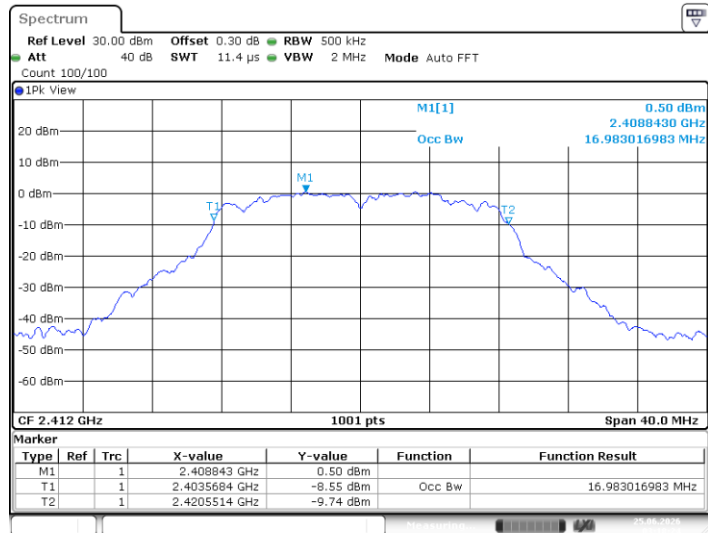
Test Graphs





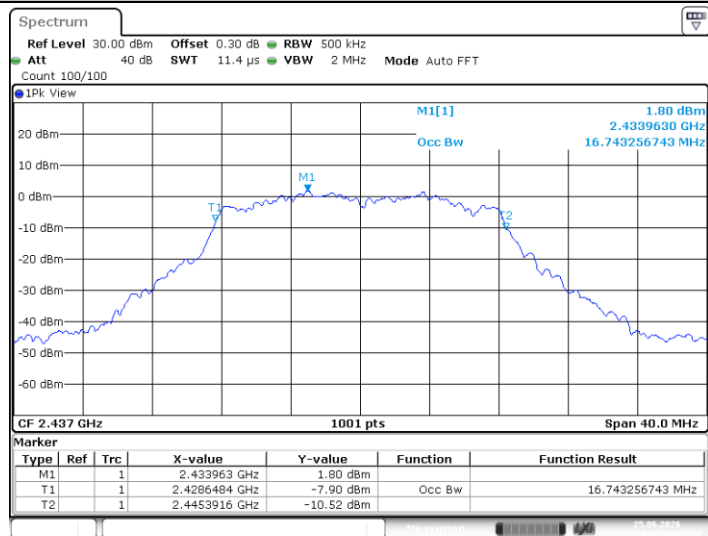
Date: 25.JUN.2026 03:12:39

11G_Ant1_2412



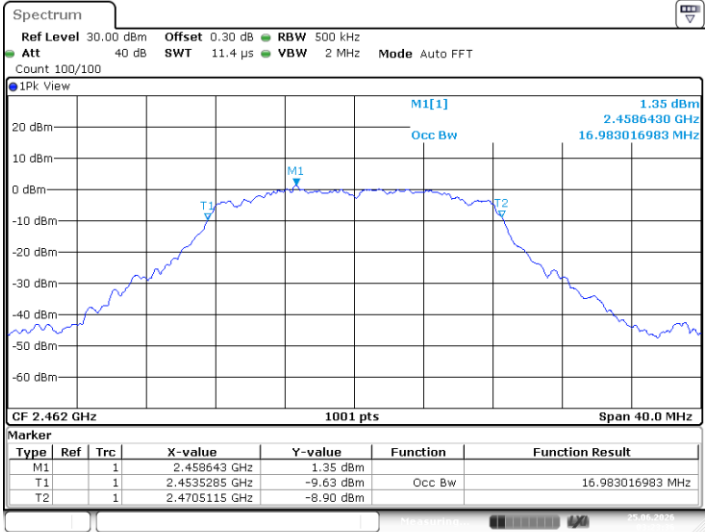
Date: 25.JUN.2026 03:18:23

11G_Ant1_2437

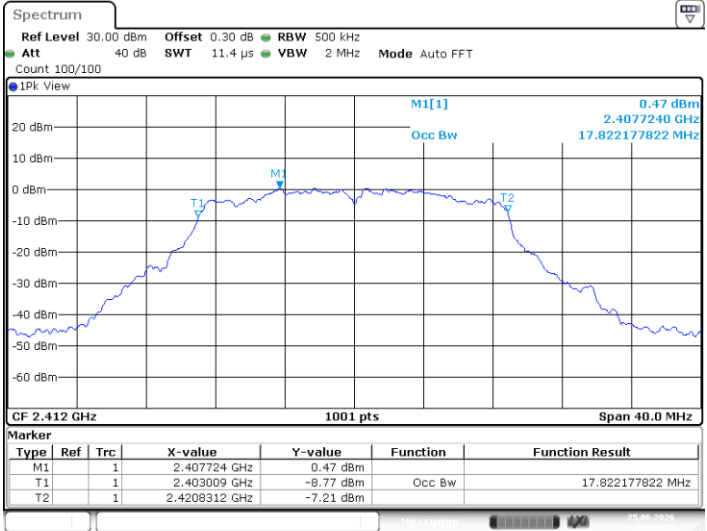


Date: 25.JUN.2026 03:21:39

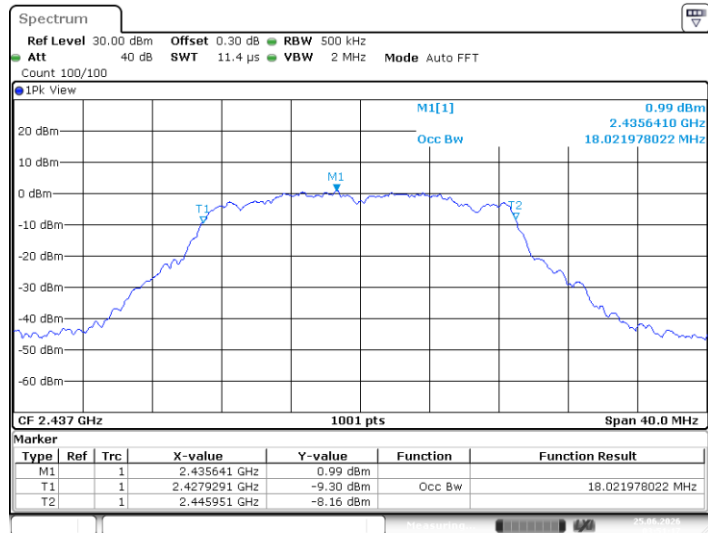
11G_Ant1_2462



11N20SISO_Ant1_2412

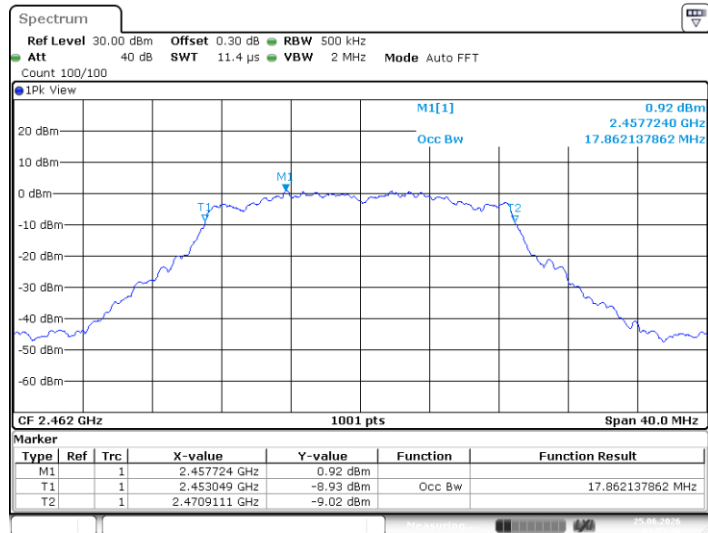


11N20SISO_Ant1_2437



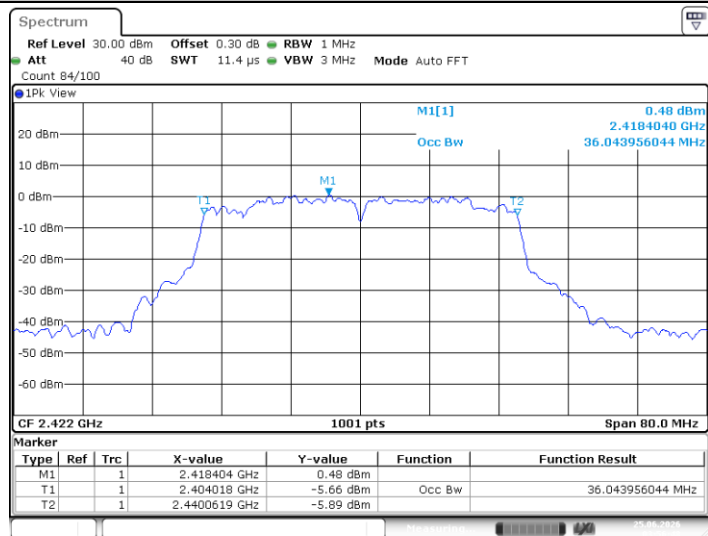
Date: 25.JUN.2026 03:51:17

11N20SISO_Ant1_2462



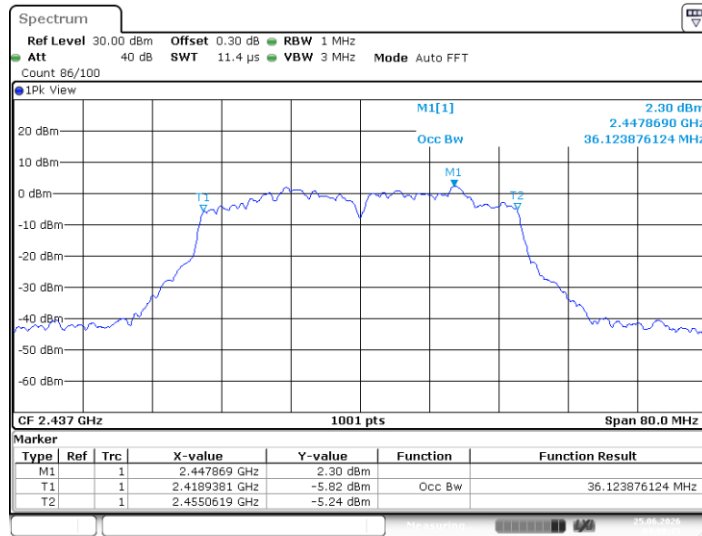
Date: 25.JUN.2026 03:53:36

11N40SISO_Ant1_2422

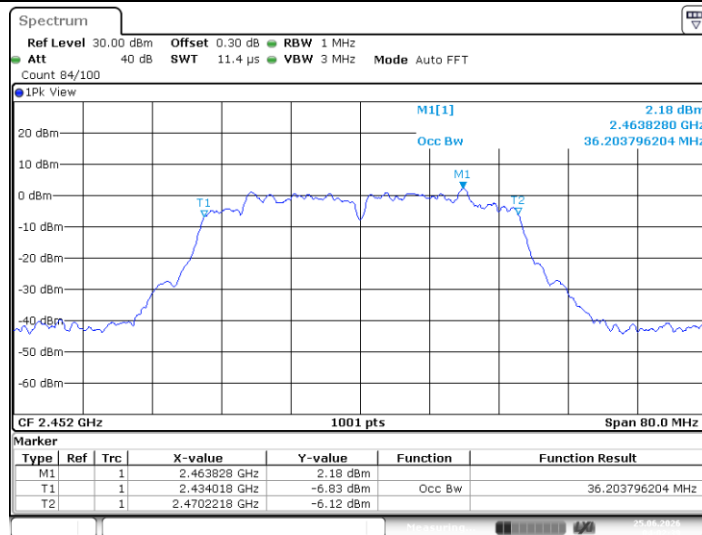


Date: 25.JUN.2026 03:56:47

11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

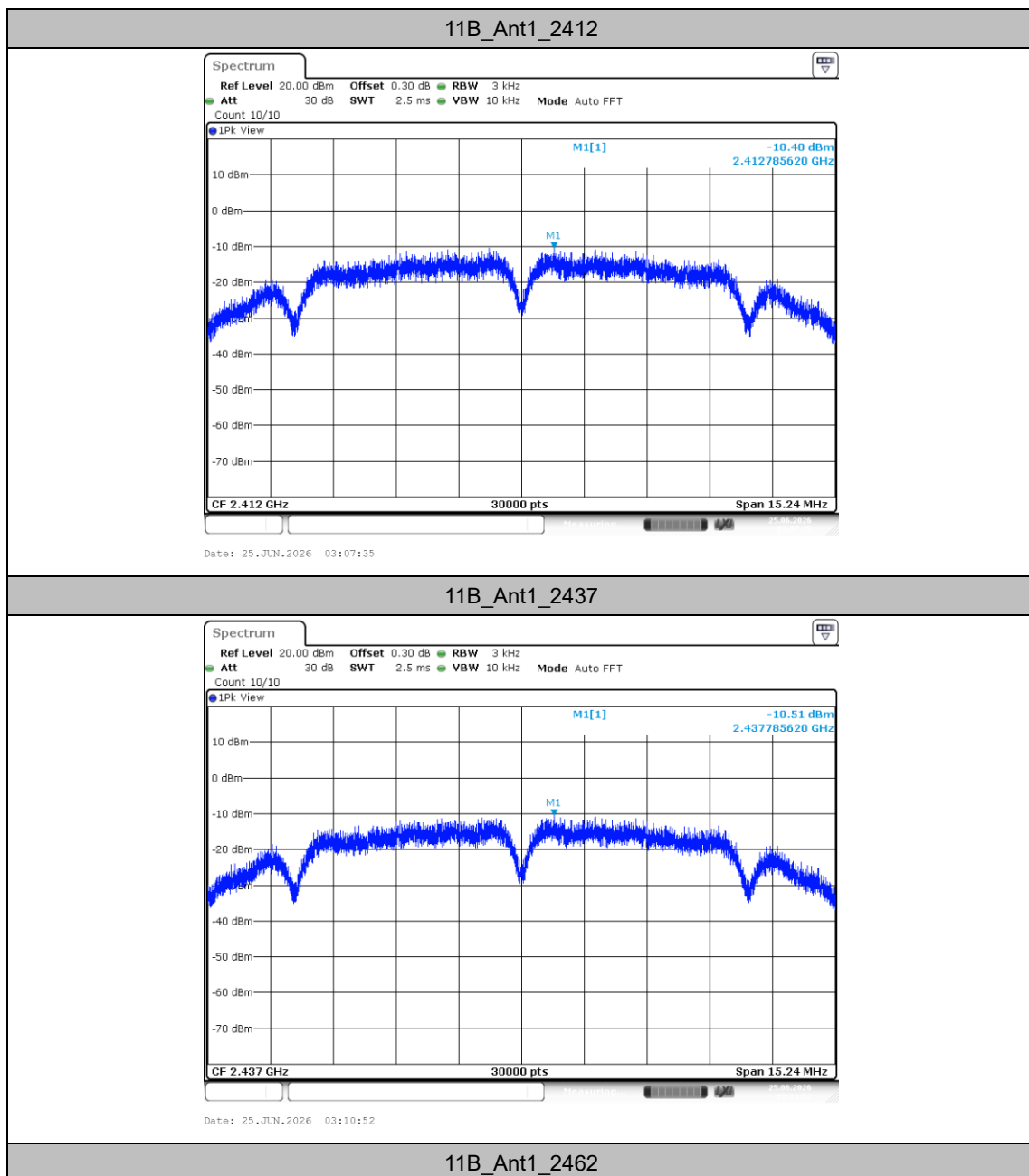
Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.62	≤30.00	PASS
		2437	15.68	≤30.00	PASS
		2462	15.84	≤30.00	PASS
11G	Ant1	2412	14.52	≤30.00	PASS
		2437	14.64	≤30.00	PASS
		2462	14.68	≤30.00	PASS
11N20SISO	Ant1	2412	14.18	≤30.00	PASS
		2437	14.40	≤30.00	PASS
		2462	14.50	≤30.00	PASS
11N40SISO	Ant1	2422	14.78	≤30.00	PASS
		2437	15.01	≤30.00	PASS
		2452	15.01	≤30.00	PASS

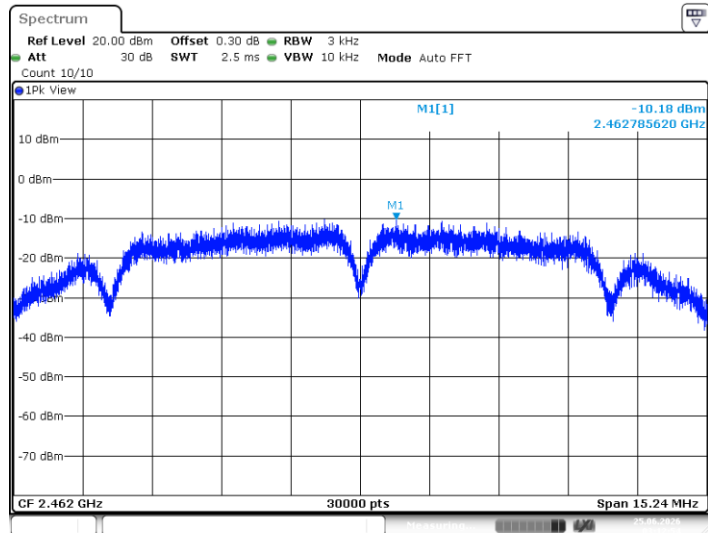
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.40	≤8.00	PASS
		2437	-10.51	≤8.00	PASS
		2462	-10.18	≤8.00	PASS
11G	Ant1	2412	-16.94	≤8.00	PASS
		2437	-16.84	≤8.00	PASS
		2462	-16.47	≤8.00	PASS
11N20SISO	Ant1	2412	-16.97	≤8.00	PASS
		2437	-17.20	≤8.00	PASS
		2462	-16.88	≤8.00	PASS
11N40SISO	Ant1	2422	-19.76	≤8.00	PASS
		2437	-19.89	≤8.00	PASS
		2452	-18.90	≤8.00	PASS

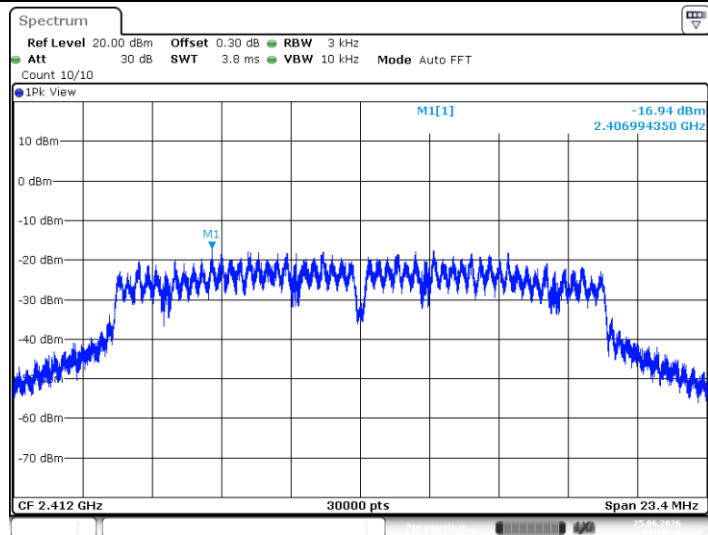
Test Graphs





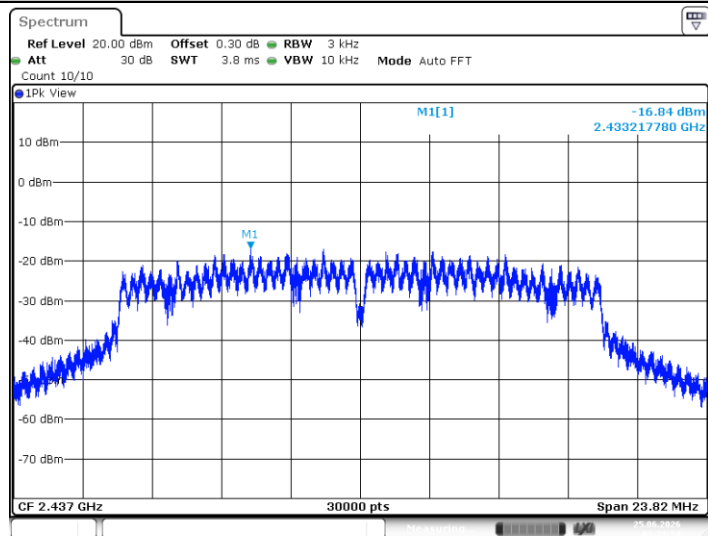
Date: 25.JUN.2026 03:12:54

11G_Ant1_2412



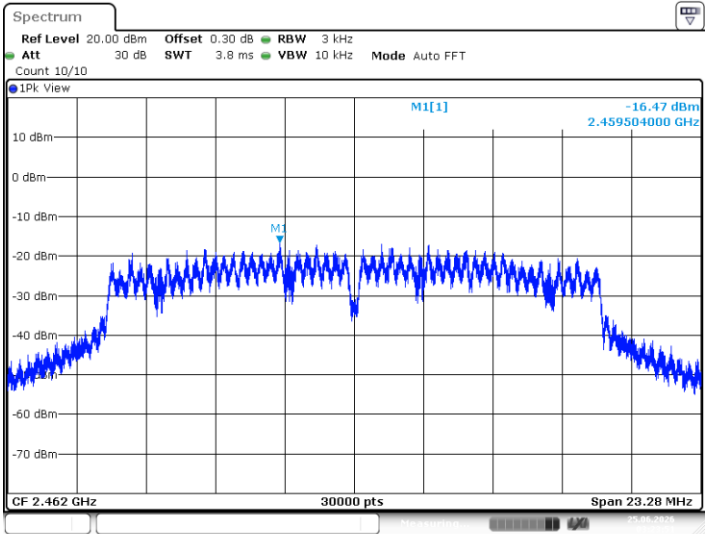
Date: 25.JUN.2026 03:18:39

11G_Ant1_2437



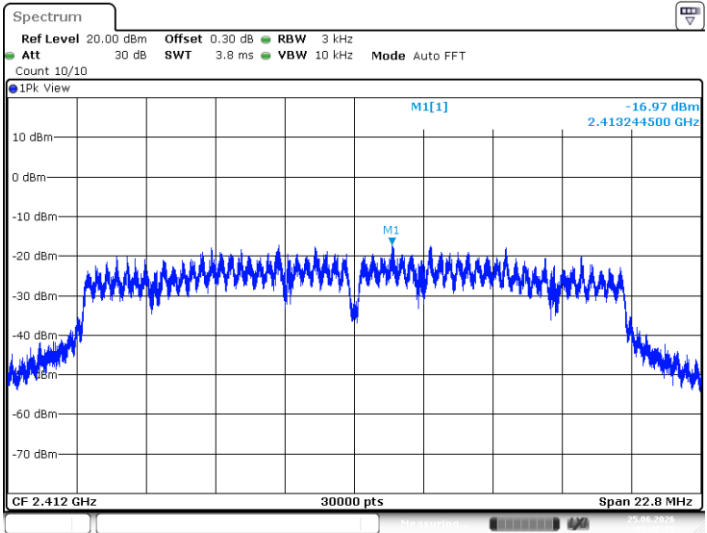
Date: 25.JUN.2026 03:21:54

11G_Ant1_2462



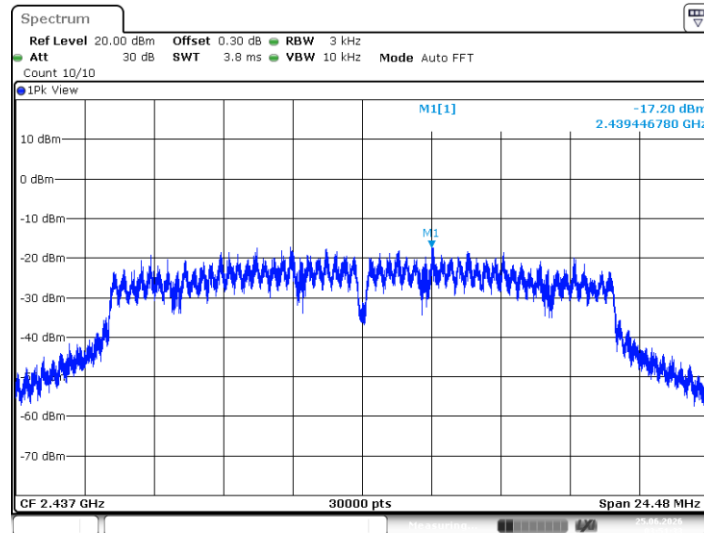
Date: 25.JUN.2026 03:23:51

11N20SISO_Ant1_2412



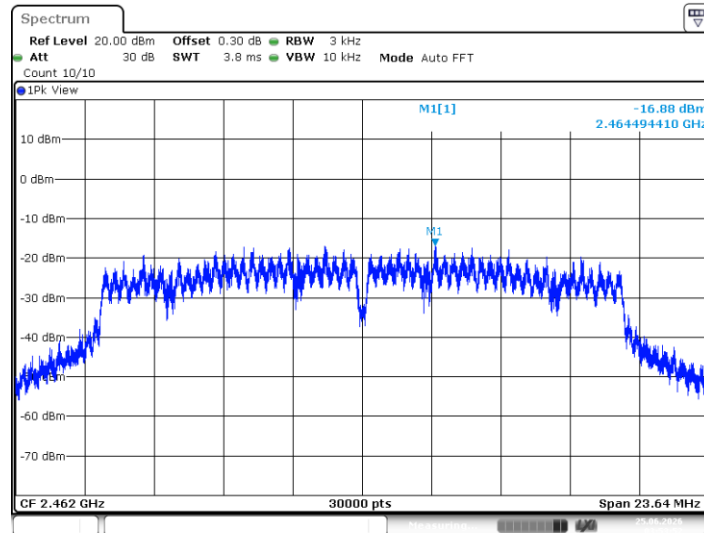
Date: 25.JUN.2026 03:48:25

11N20SISO_Ant1_2437



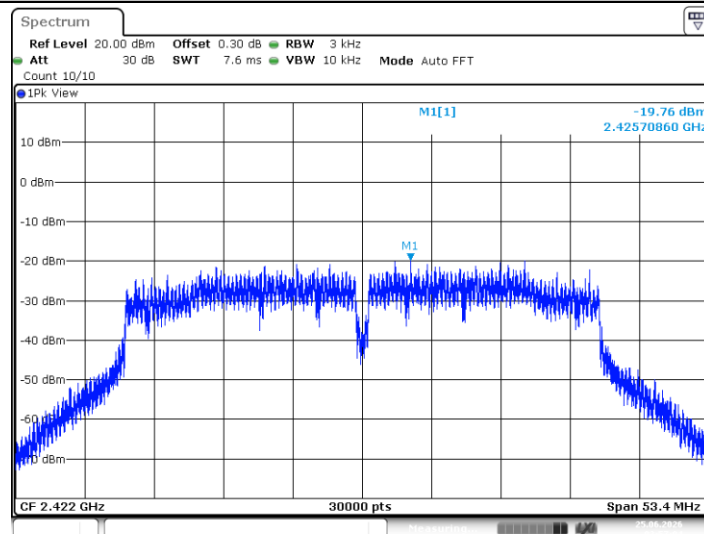
Date: 25.JUN.2026 03:51:34

11N20SISO_Ant1_2462



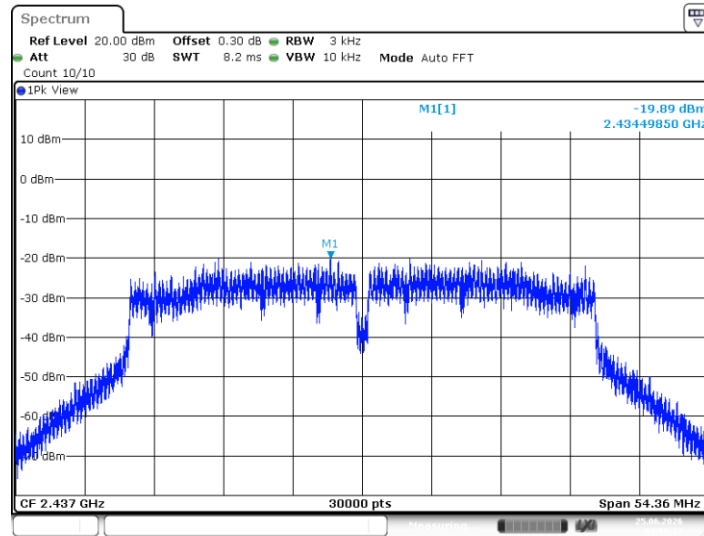
Date: 25.JUN.2026 03:53:52

11N40SISO_Ant1_2422



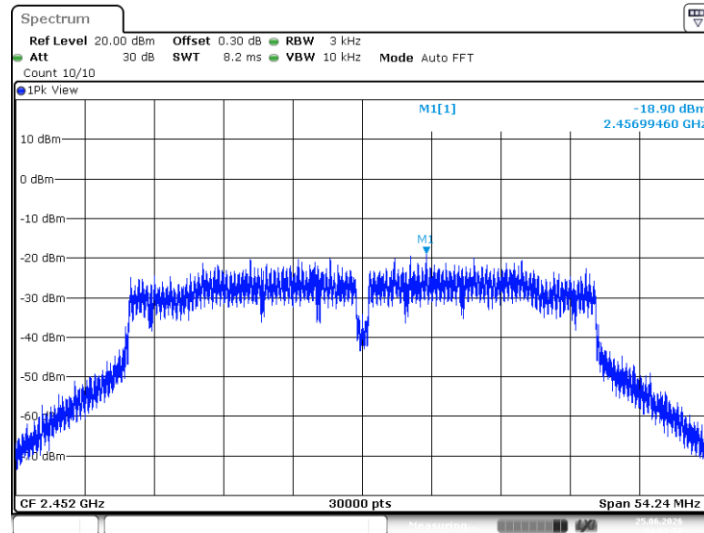
Date: 25.JUN.2026 03:57:04

11N40SISO_Ant1_2437



Date: 25.JUN.2026 04:00:32

11N40SISO_Ant1_2452



Date: 25.JUN.2026 04:02:56

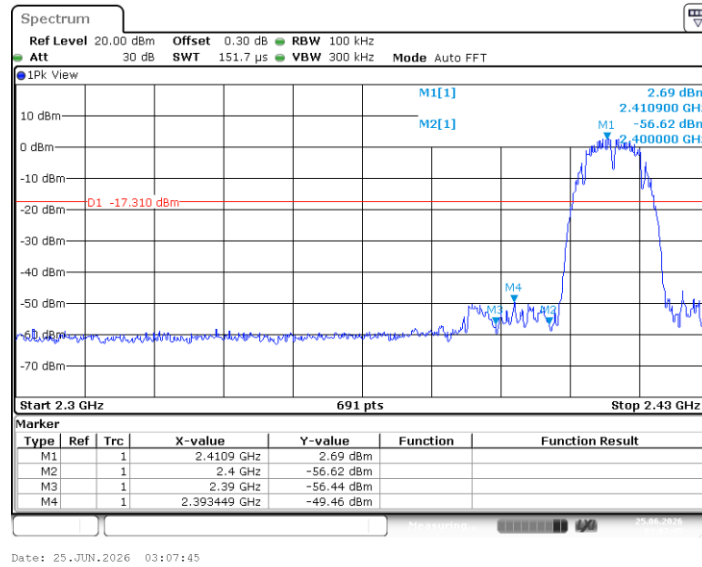
Appendix E: Band edge measurements

Test Result

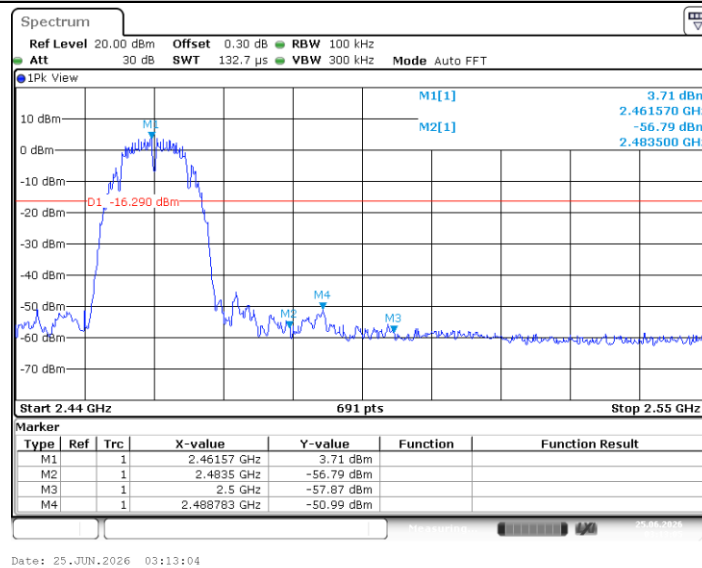
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.69	-49.46	≤-17.31	PASS
		High	2462	3.71	-50.99	≤-16.29	PASS
11G	Ant1	Low	2412	-2.08	-31.55	≤-22.08	PASS
		High	2462	-1.83	-56.33	≤-21.83	PASS
11N20SISO	Ant1	Low	2412	-2.34	-33.32	≤-22.34	PASS
		High	2462	-1.91	-56.23	≤-21.91	PASS
11N40SISO	Ant1	Low	2422	-5.06	-35.01	≤-25.06	PASS
		High	2452	-4.86	-55.97	≤-24.86	PASS

Test Graphs

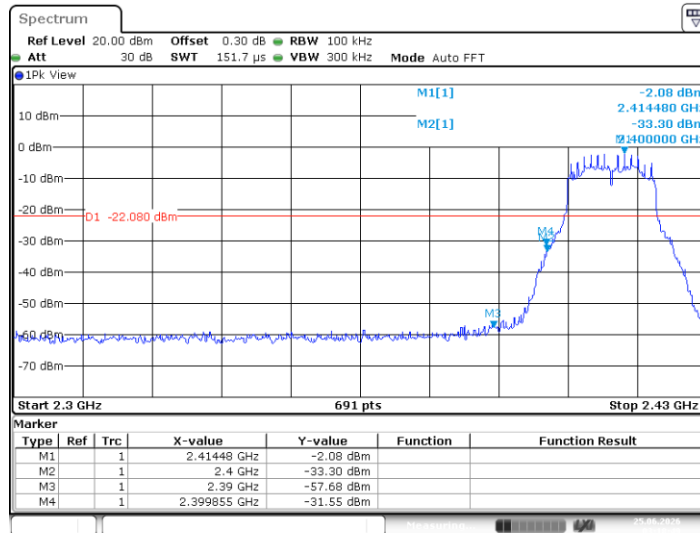
11B_Ant1_Low_2412



11B_Ant1_High_2462

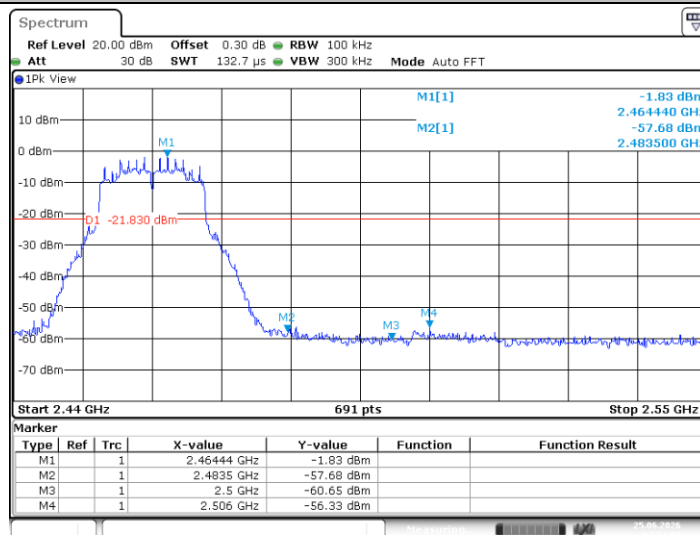


11G_Ant1_Low_2412



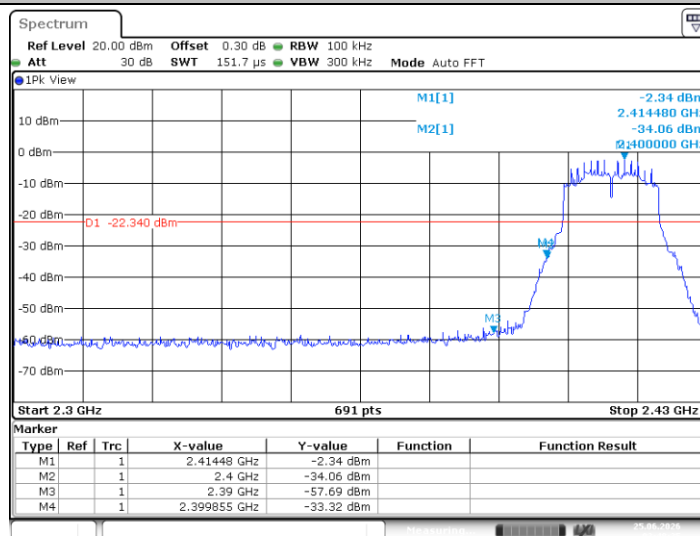
Date: 25.JUN.2026 03:18:48

11G_Ant1_High_2462



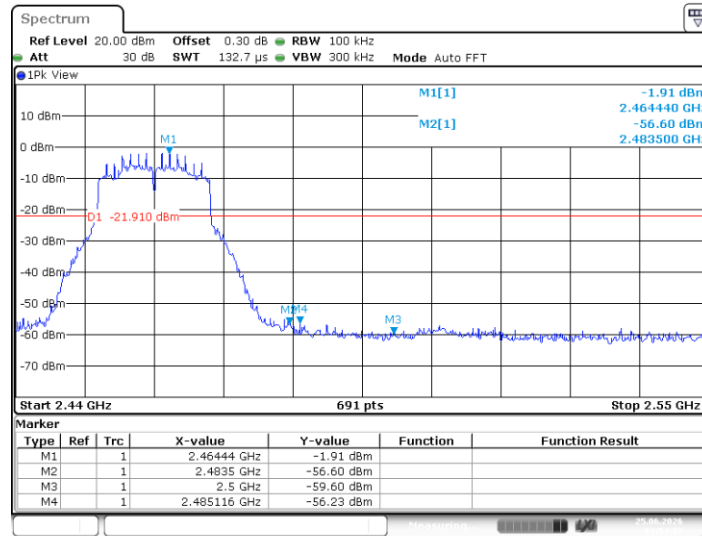
Date: 25.JUN.2026 03:24:01

11N20SISO_Ant1_Low_2412



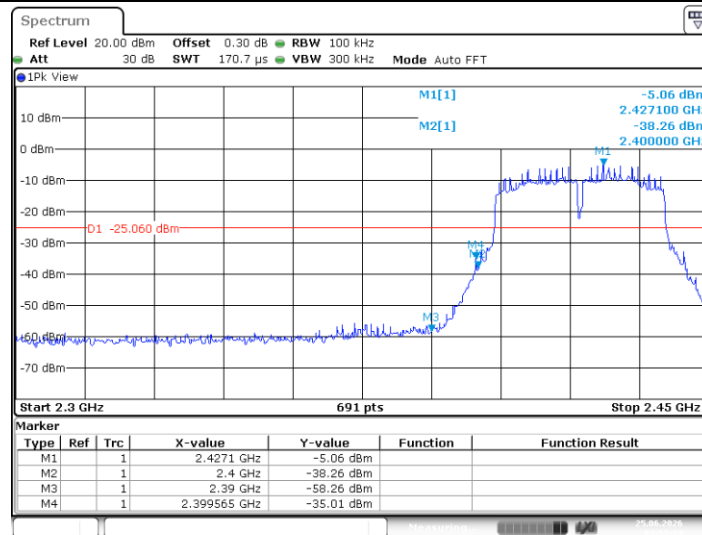
Date: 25.JUN.2026 03:48:35

11N20SISO_Ant1_High_2462



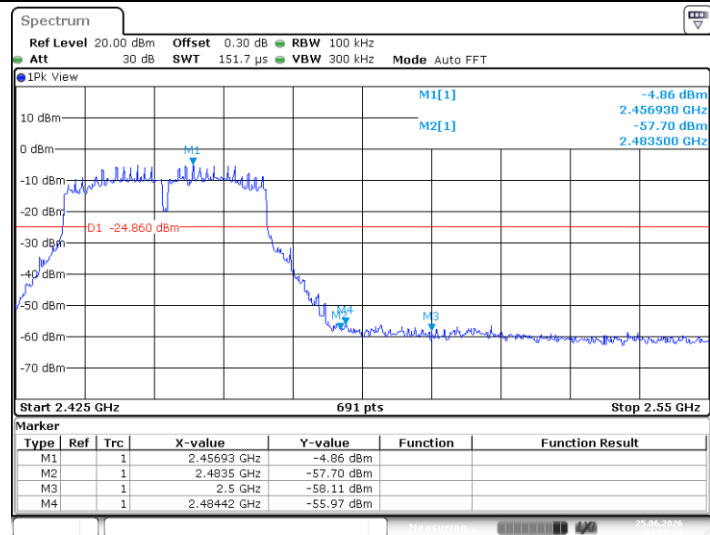
Date: 25.JUN.2026 03:54:02

11N40SISO_Ant1_Low_2422



Date: 25.JUN.2026 03:57:14

11N40SISO_Ant1_High_2452



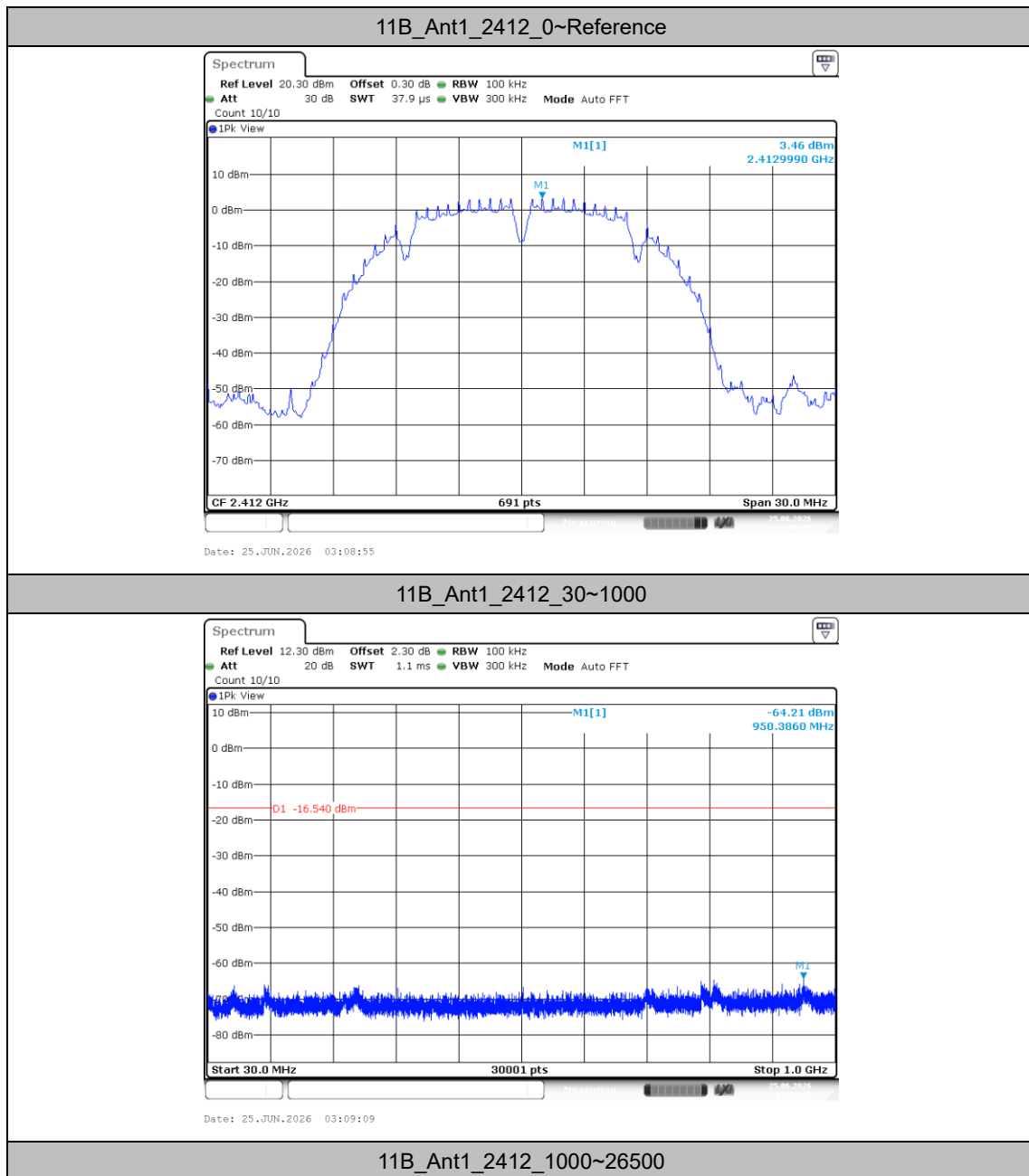
Date: 25 JUN 2026 04:03:06

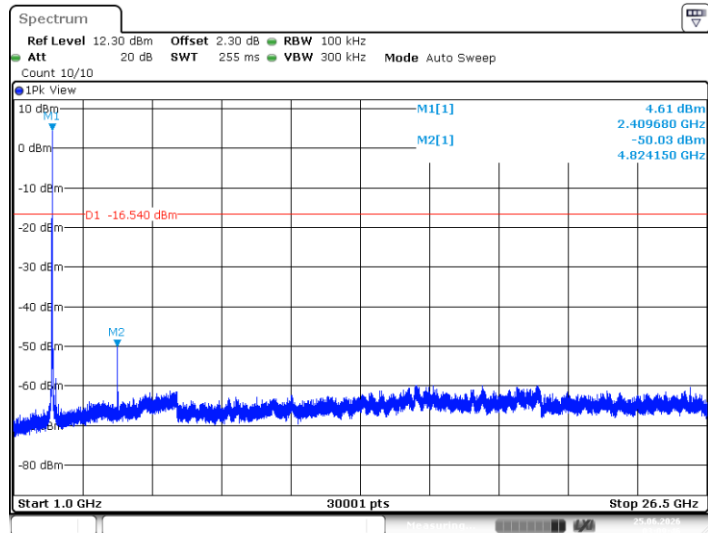
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.46	3.46	---	PASS
			30~1000	3.46	-64.21	≤-16.54	PASS
			1000~26500	3.46	-50.03	≤-16.54	PASS
		2437	Reference	3.46	3.46	---	PASS
			30~1000	3.46	-65.12	≤-16.54	PASS
			1000~26500	3.46	-50.34	≤-16.54	PASS
		2462	Reference	3.77	3.77	---	PASS
			30~1000	3.77	-63.92	≤-16.23	PASS
			1000~26500	3.77	-51.17	≤-16.23	PASS
11G	Ant1	2412	Reference	-2.09	-2.09	---	PASS
			30~1000	-2.09	-65.04	≤-22.09	PASS
			1000~26500	-2.09	-50.08	≤-22.09	PASS
		2437	Reference	-1.98	-1.98	---	PASS
			30~1000	-1.98	-64.71	≤-21.98	PASS
			1000~26500	-1.98	-49.66	≤-21.98	PASS
		2462	Reference	-1.77	-1.77	---	PASS
			30~1000	-1.77	-64.77	≤-21.77	PASS
			1000~26500	-1.77	-49.79	≤-21.77	PASS
11N20SISO	Ant1	2412	Reference	-2.06	-2.06	---	PASS
			30~1000	-2.06	-64.08	≤-22.06	PASS
			1000~26500	-2.06	-49.57	≤-22.06	PASS
		2437	Reference	-1.87	-1.87	---	PASS
			30~1000	-1.87	-64.62	≤-21.87	PASS
			1000~26500	-1.87	-49.29	≤-21.87	PASS
		2462	Reference	-1.70	-1.70	---	PASS
			30~1000	-1.70	-64.43	≤-21.7	PASS
			1000~26500	-1.70	-49.55	≤-21.7	PASS
11N40SISO	Ant1	2422	Reference	-5.03	-5.03	---	PASS
			30~1000	-5.03	-64.82	≤-25.03	PASS
			1000~26500	-5.03	-49.56	≤-25.03	PASS
		2437	Reference	-4.78	-4.78	---	PASS
			30~1000	-4.78	-64.99	≤-24.78	PASS
			1000~26500	-4.78	-49.62	≤-24.78	PASS
		2452	Reference	-4.79	-4.79	---	PASS
			30~1000	-4.79	-64.01	≤-24.79	PASS
			1000~26500	-4.79	-49.37	≤-24.79	PASS

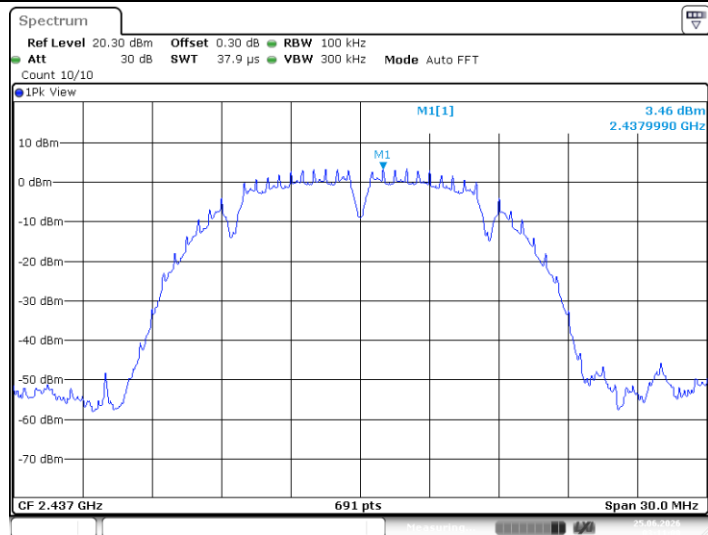
Test Graphs





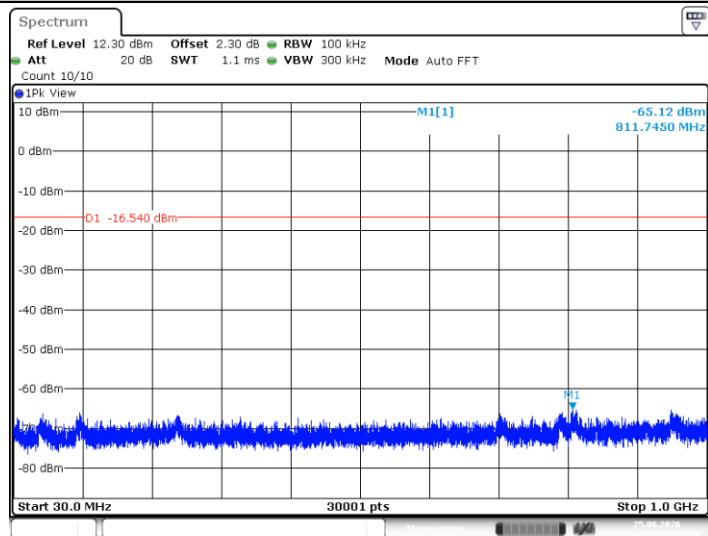
Date: 25.JUN.2026 03:09:47

11B_Ant1_2437_0~Reference



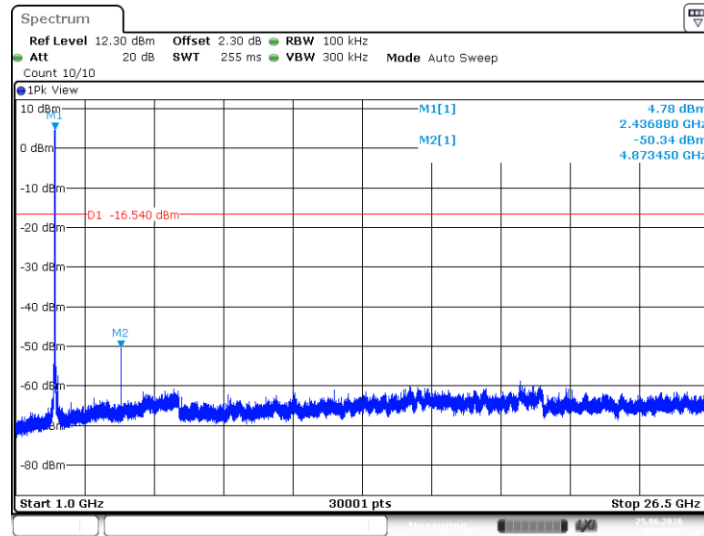
Date: 25.JUN.2026 03:11:00

11B_Ant1_2437_30~1000



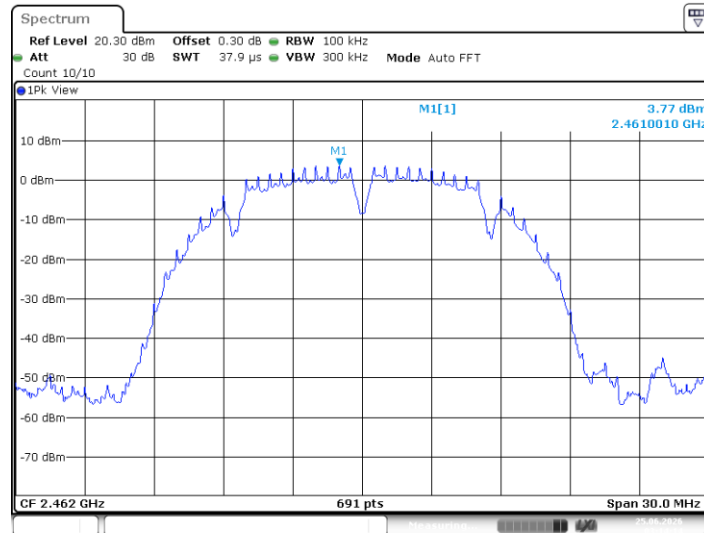
Date: 25.JUN.2026 03:11:15

11B_Ant1_2437_1000~26500



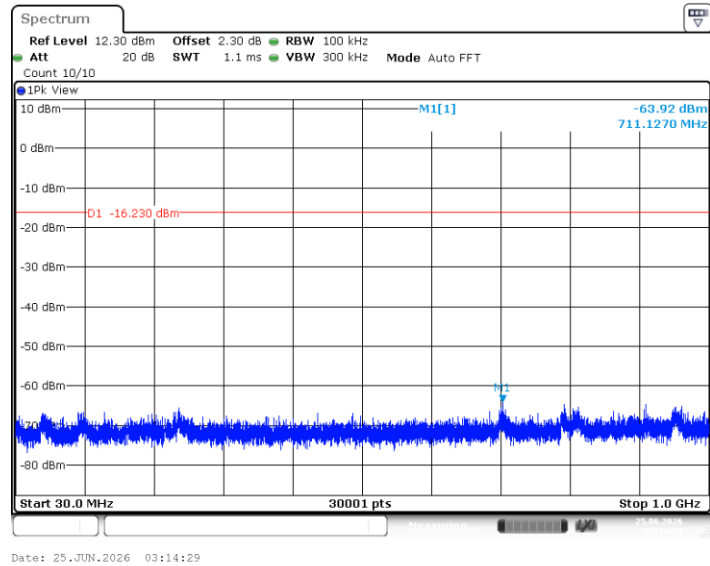
Date: 25.JUN.2026 03:11:52

11B_Ant1_2462_0~Reference

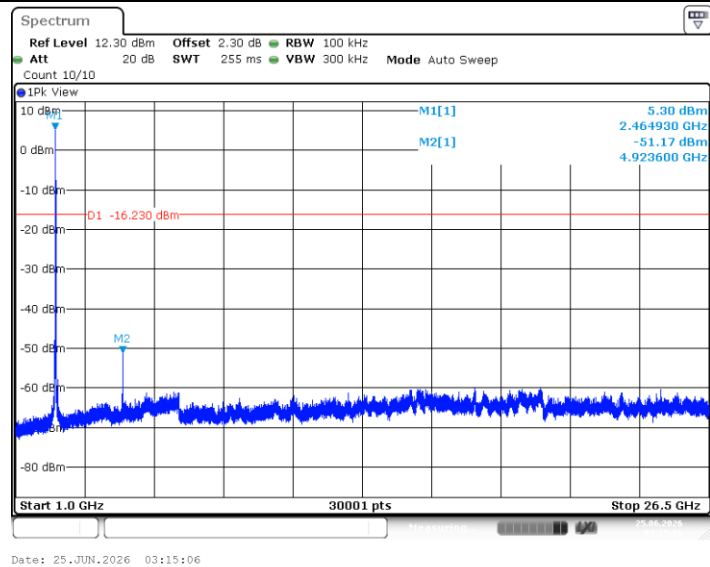


Date: 25.JUN.2026 03:14:14

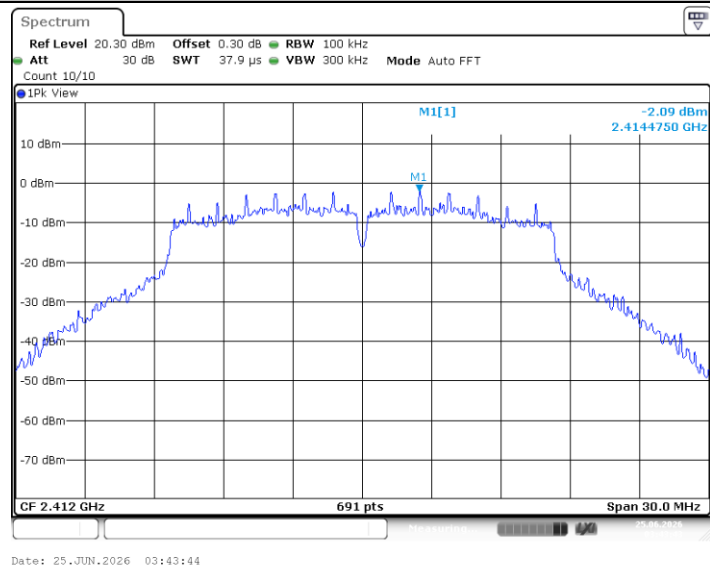
11B_Ant1_2462_30~1000



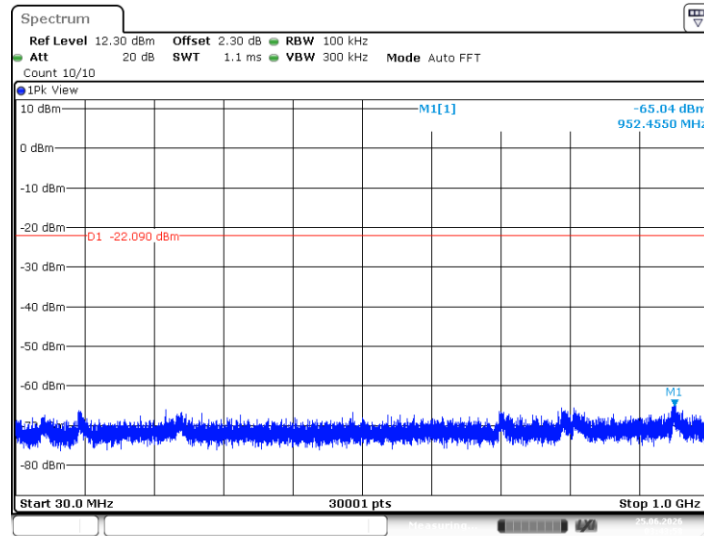
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

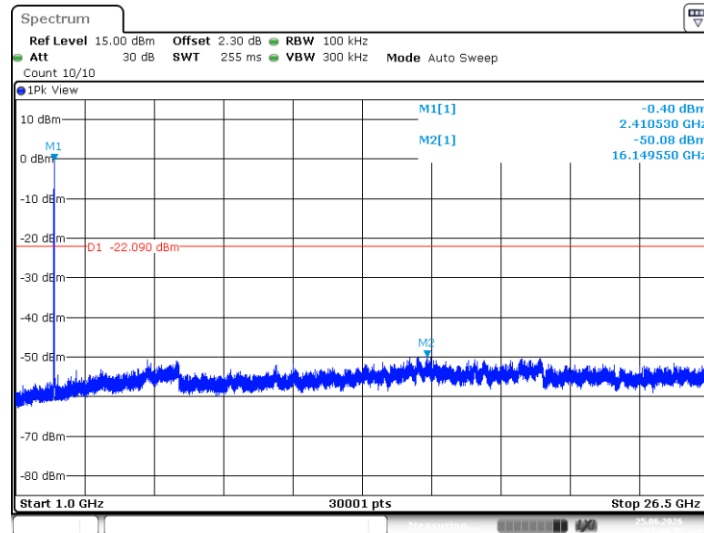


11G_Ant1_2412_30~1000



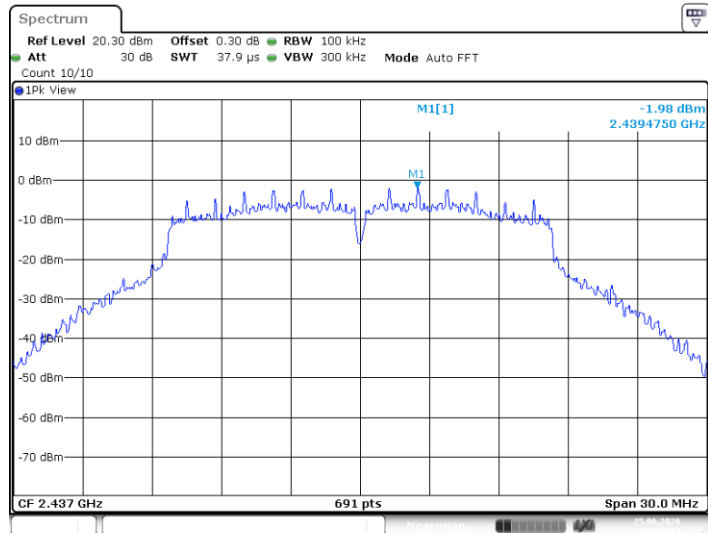
Date: 25.JUN.2026 03:43:58

11G_Ant1_2412_1000~26500



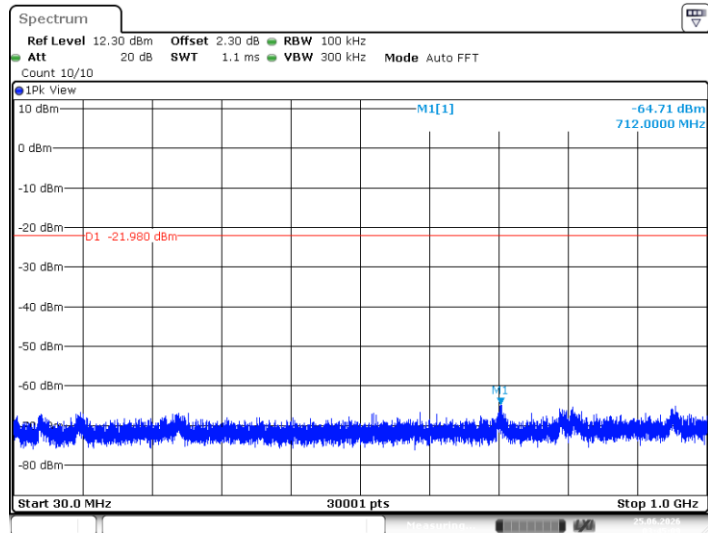
Date: 25.JUN.2026 03:44:36

11G_Ant1_2437_0~Reference



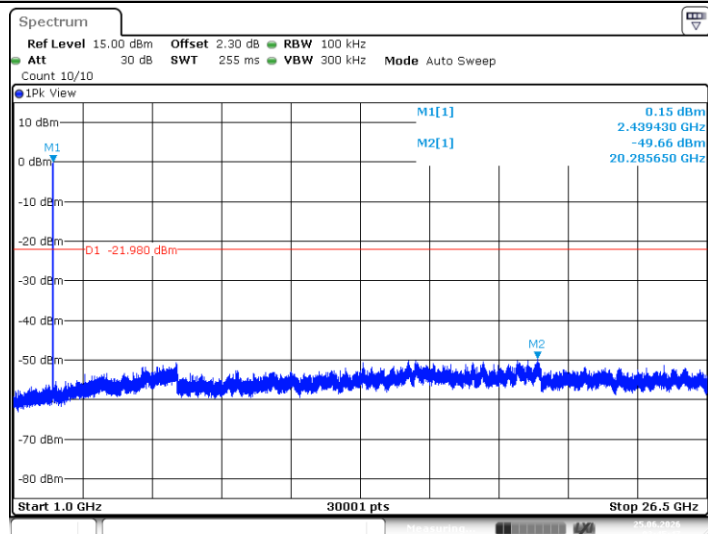
Date: 25.JUN.2026 03:44:55

11G_Ant1_2437_30~1000



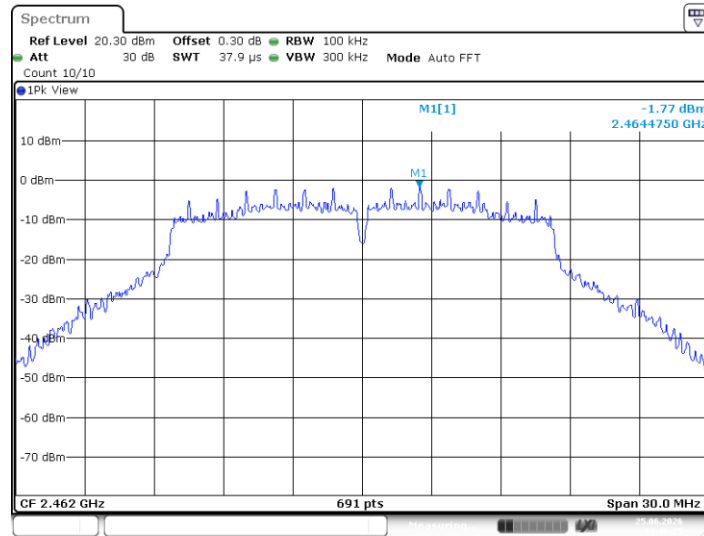
Date: 25.JUN.2026 03:45:09

11G_Ant1_2437_1000~26500



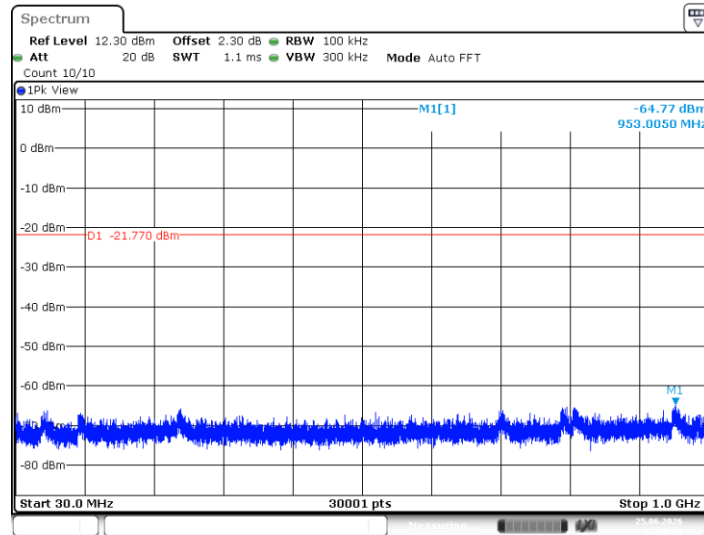
Date: 25.JUN.2026 03:45:47

11G_Ant1_2462_0~Reference



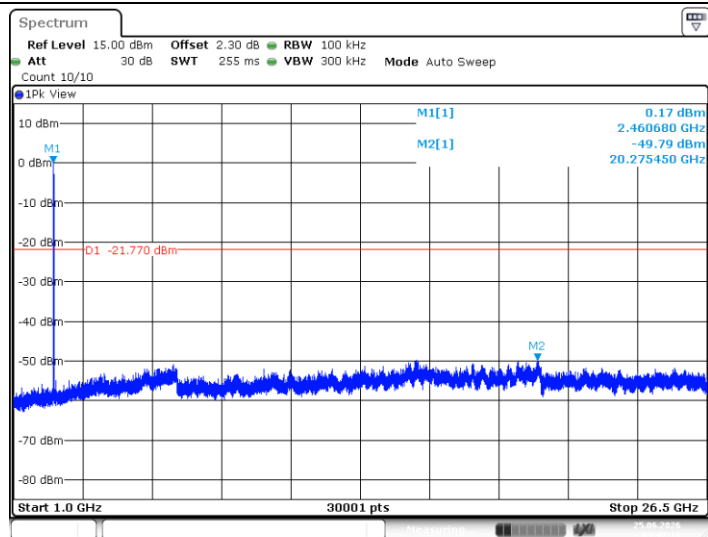
Date: 25.JUN.2026 03:46:24

11G_Ant1_2462_30~1000



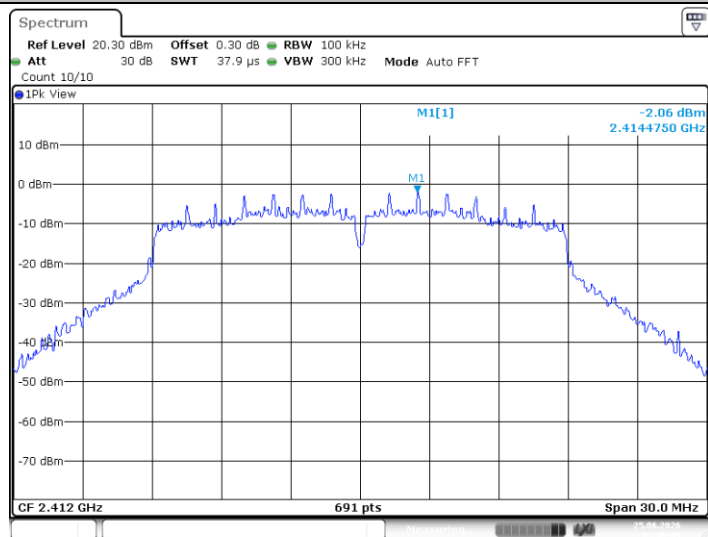
Date: 25.JUN.2026 03:46:39

11G_Ant1_2462_1000~26500



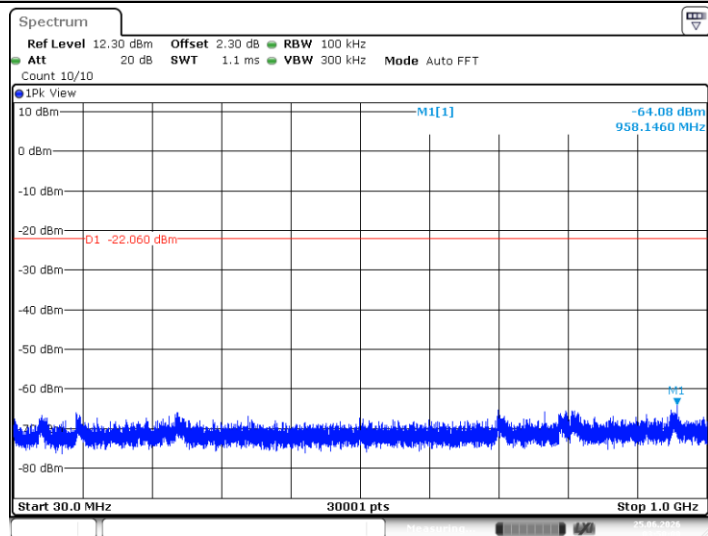
Date: 25.JUN.2026 03:47:16

11N20SISO_Ant1_2412_0~Reference



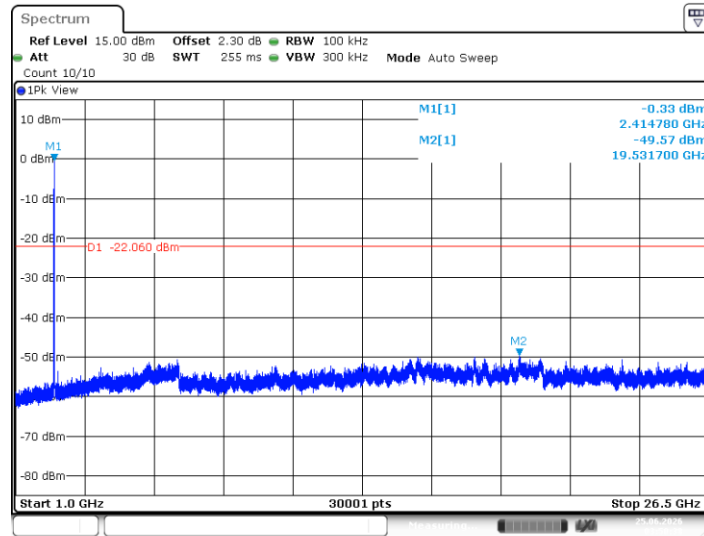
Date: 25.JUN.2026 03:49:46

11N20SISO_Ant1_2412_30~1000



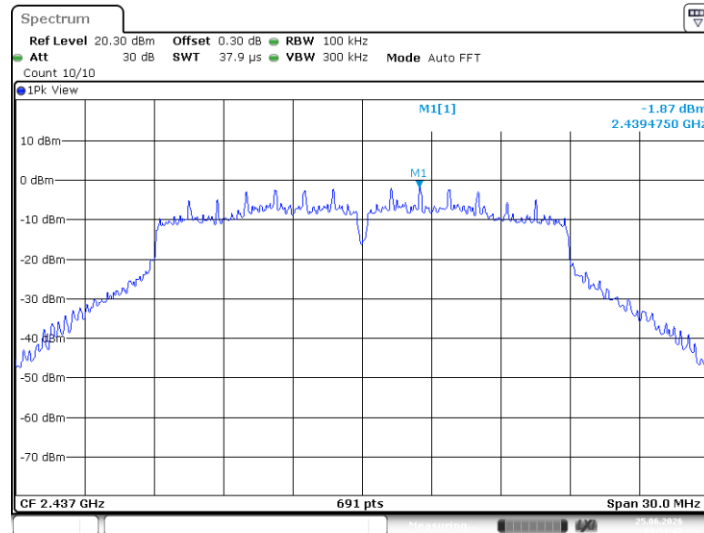
Date: 25.JUN.2026 03:50:00

11N20SISO_Ant1_2412_1000~26500



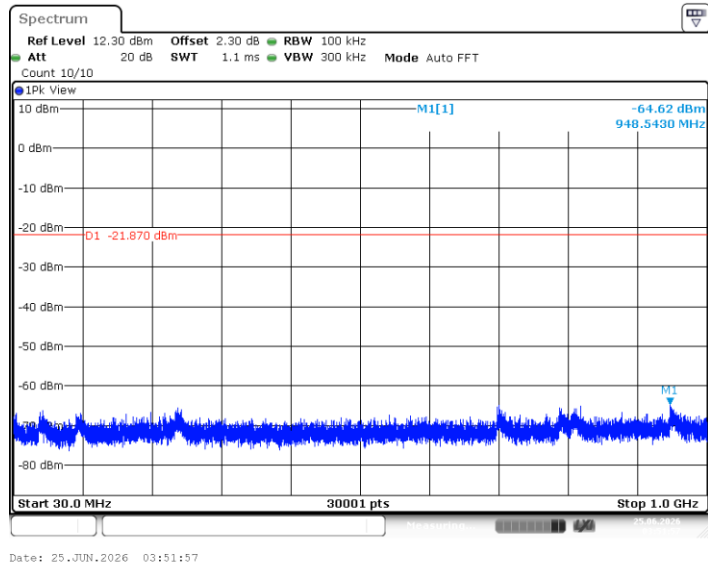
Date: 25.JUN.2026 03:50:38

11N20SISO_Ant1_2437_0~Reference

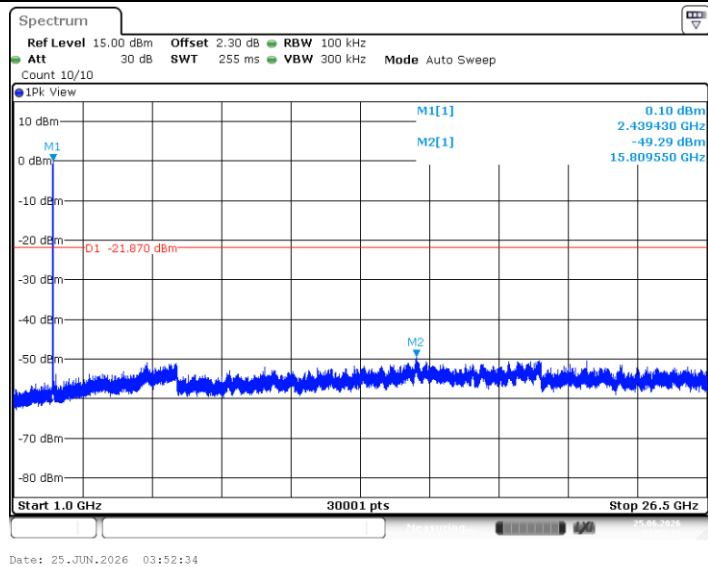


Date: 25.JUN.2026 03:51:42

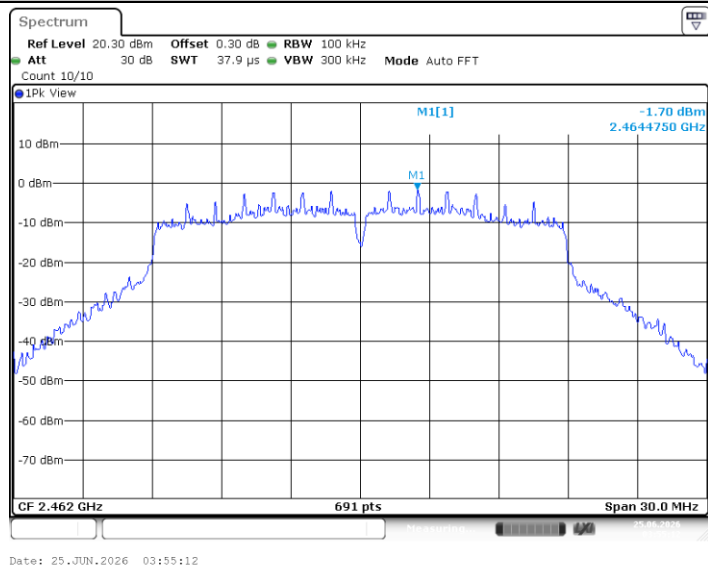
11N20SISO_Ant1_2437_30~1000



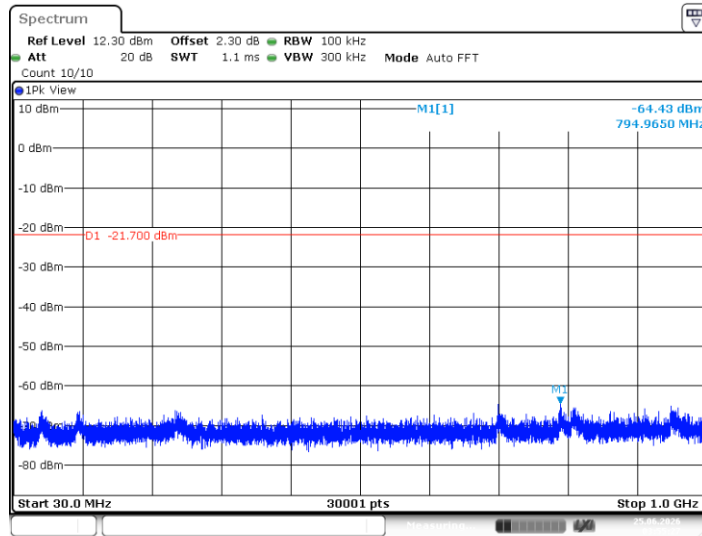
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference

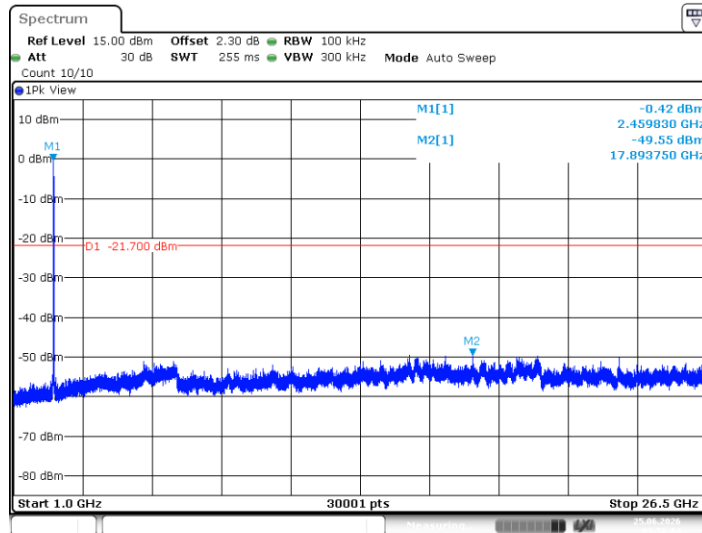


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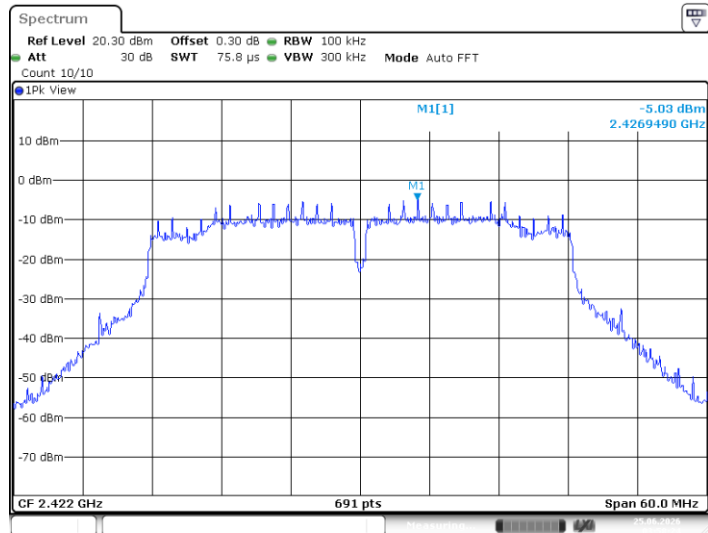
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11N20SISO_Ant1_2462_1000~26500



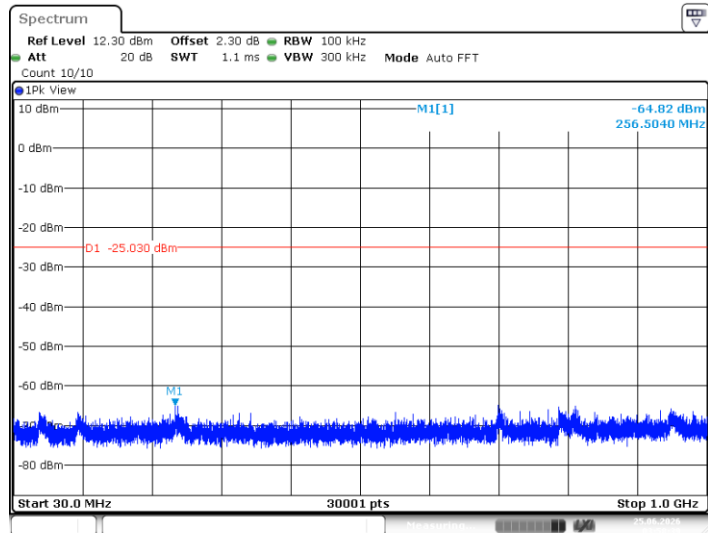
Date: 25.JUN.2026 03:56:04

11N40SISO_Ant1_2422_0~Reference



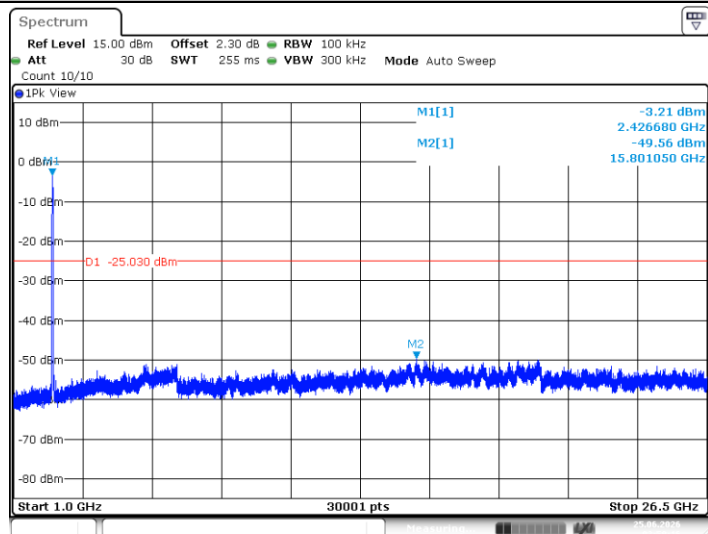
Date: 25.JUN.2026 03:58:25

11N40SISO_Ant1_2422_30~1000



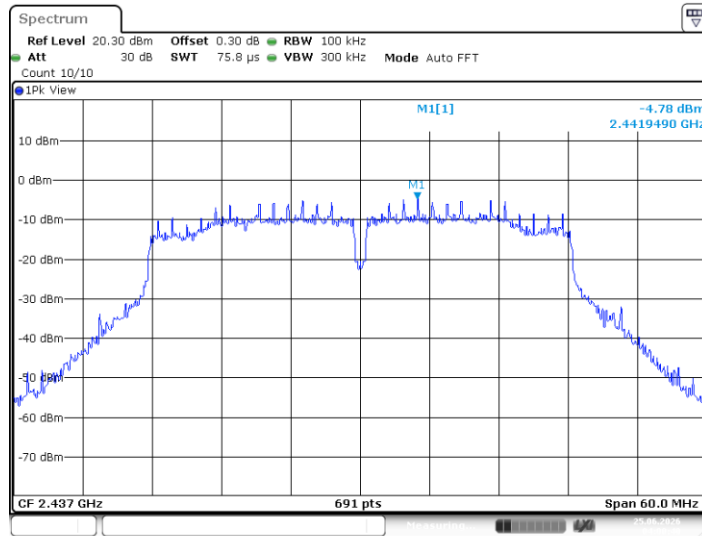
Date: 25.JUN.2026 03:58:39

11N40SISO_Ant1_2422_1000~26500



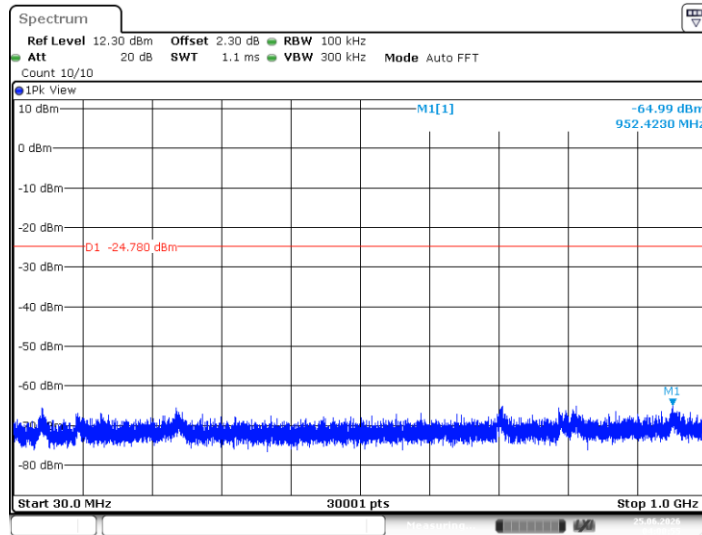
Date: 25.JUN.2026 03:59:17

11N40SISO_Ant1_2437_0~Reference



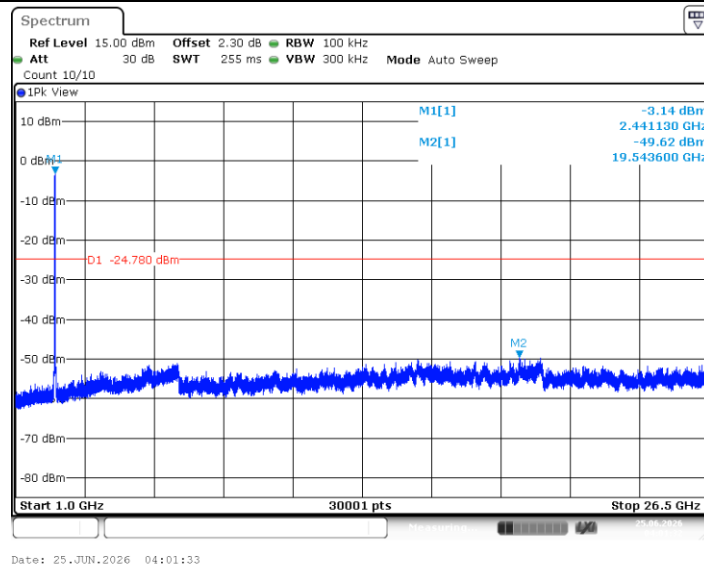
Date: 25.JUN.2026 04:00:40

11N40SISO_Ant1_2437_30~1000

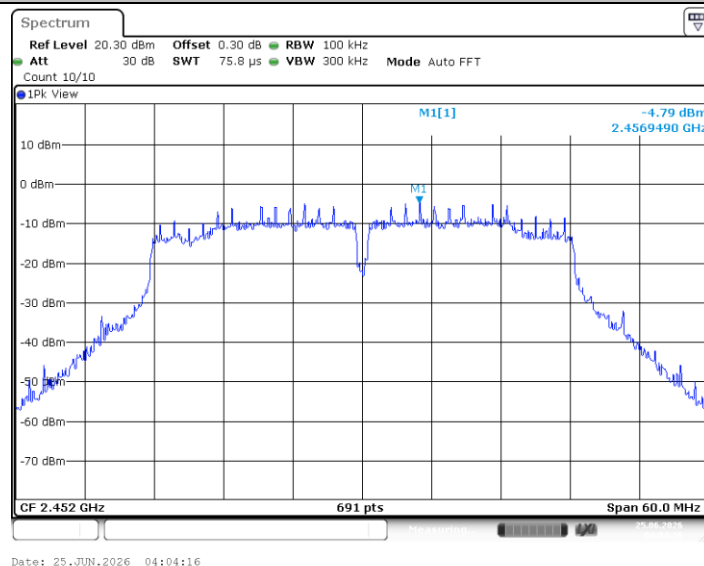


Date: 25.JUN.2026 04:00:55

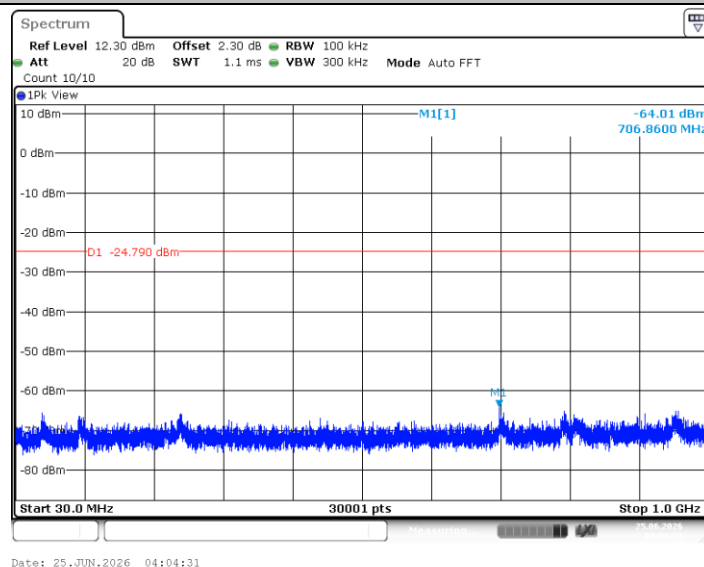
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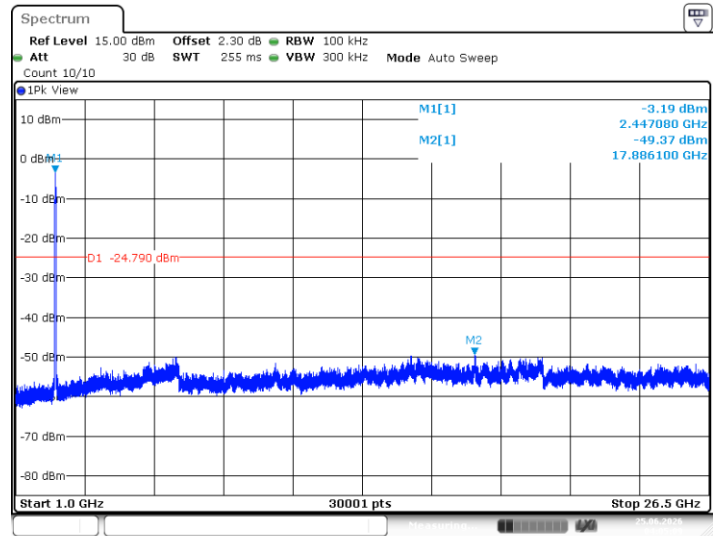
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



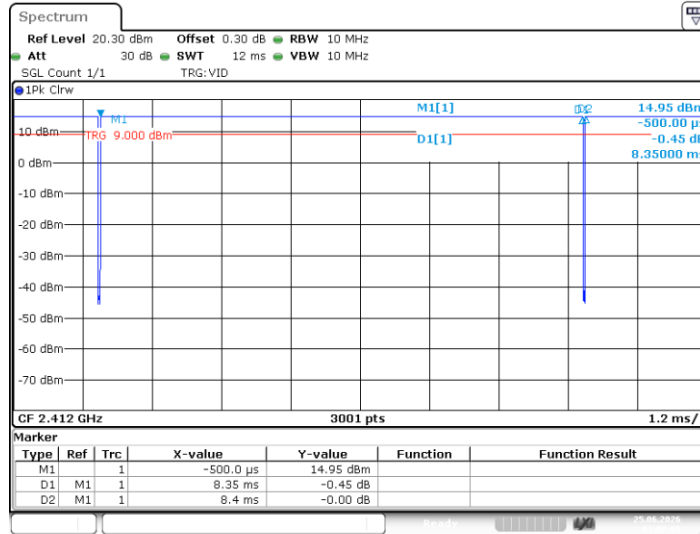
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	T Factor [dB]
11B	Ant1	2412	8.35	8.40	99.40	0.03	0.12
		2437	8.34	8.39	99.40	0.03	0.12
		2462	8.35	8.39	99.52	0.02	0.12
11G	Ant1	2412	0.15	0.20	75.00	1.25	6.67
		2437	0.15	0.20	75.00	1.25	6.67
		2462	0.15	0.20	75.00	1.25	6.67
11N20SISO	Ant1	2412	0.18	0.23	78.26	1.06	5.56
		2437	0.18	0.23	78.26	1.06	5.56
		2462	0.17	0.22	77.27	1.12	5.88
11N40SISO	Ant1	2422	0.18	0.23	78.26	1.06	5.56
		2437	0.18	0.23	78.26	1.06	5.56
		2452	0.18	0.22	81.82	0.87	5.56

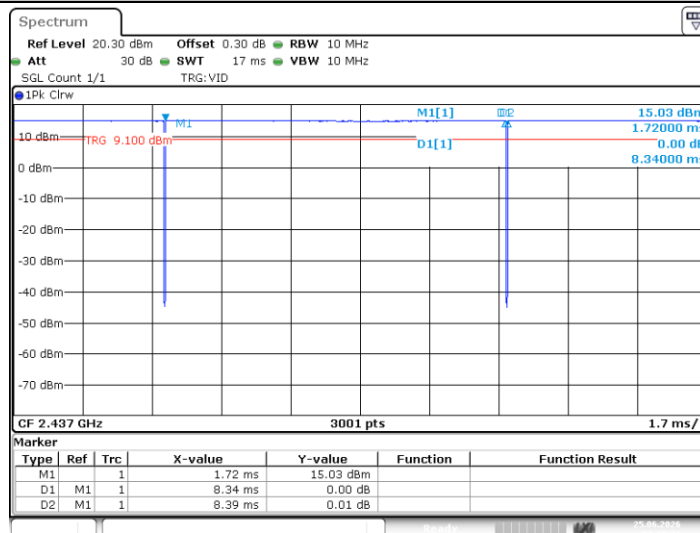
Test Graphs

11B_Ant1_2412



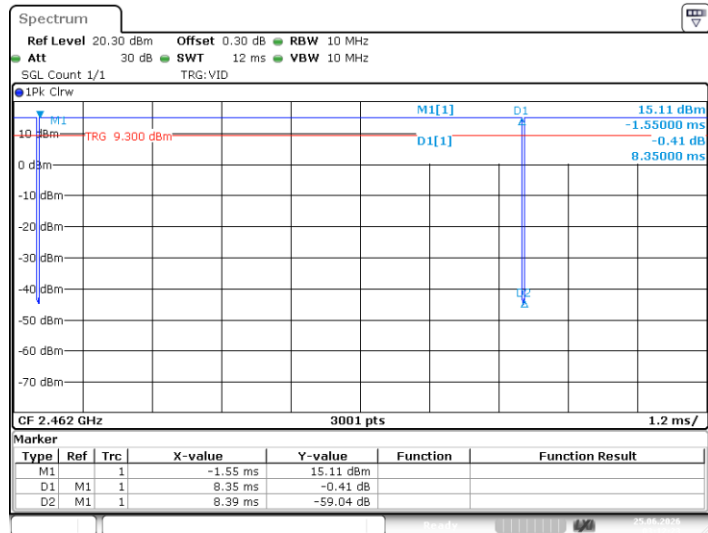
Date: 25.JUN.2026 03:07:04

11B_Ant1_2437



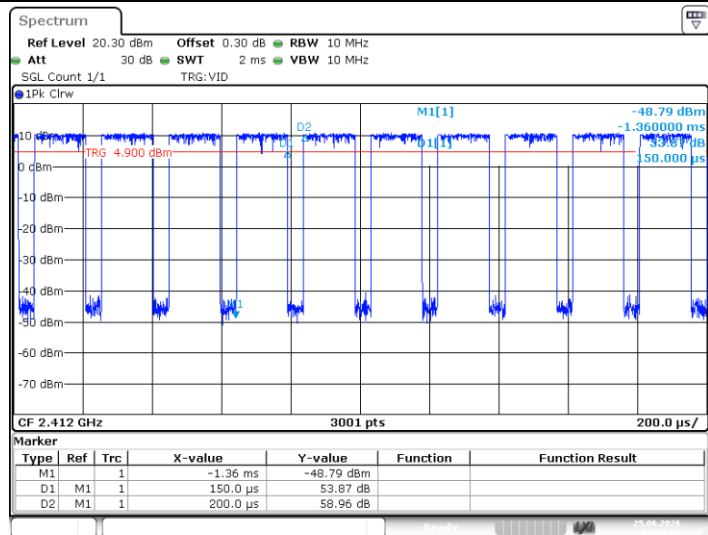
Date: 25.JUN.2026 03:10:21

11B_Ant1_2462



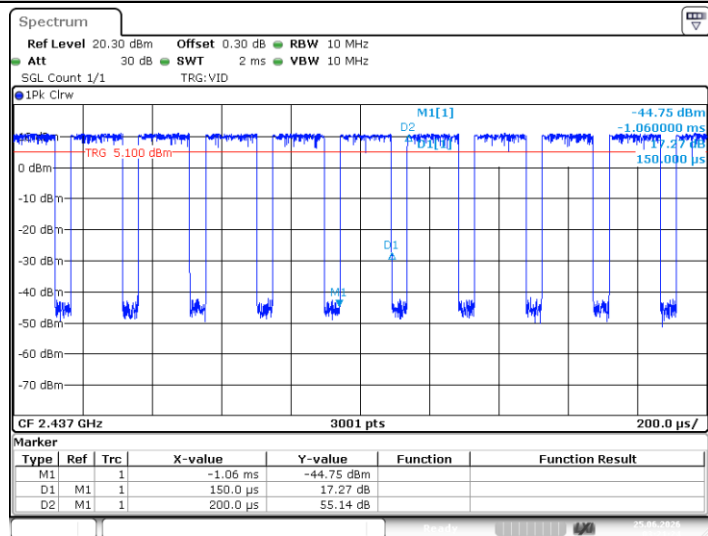
Date: 25.JUN.2026 03:12:23

11G_Ant1_2412



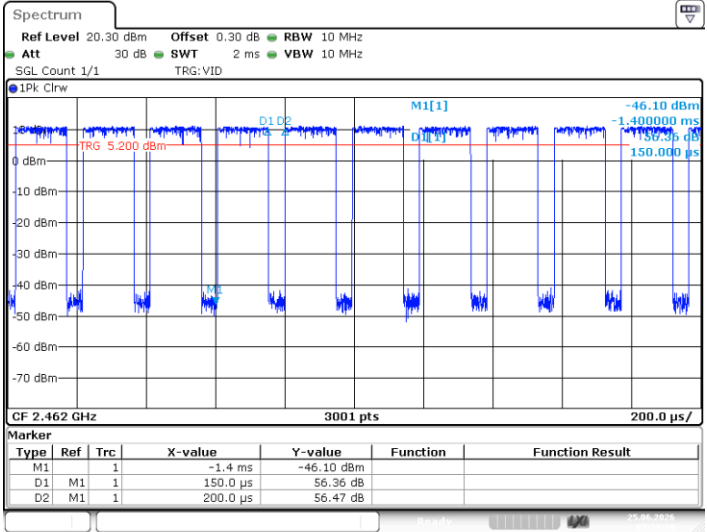
Date: 25.JUN.2026 03:18:08

11G_Ant1_2437



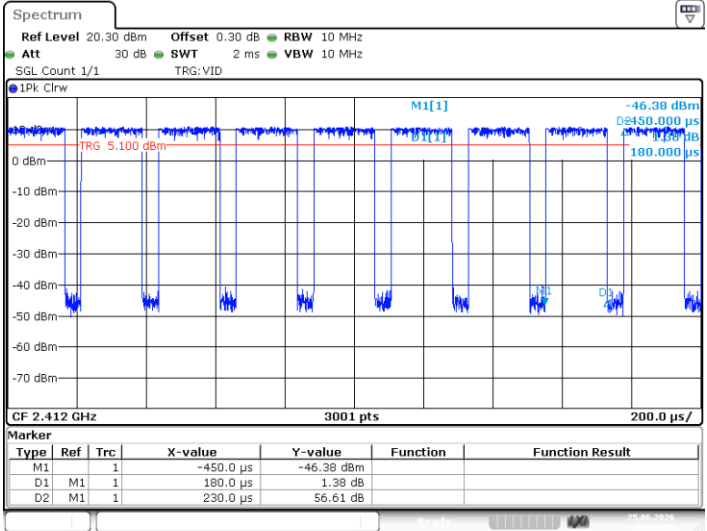
Date: 25.JUN.2026 03:21:24

11G_Ant1_2462



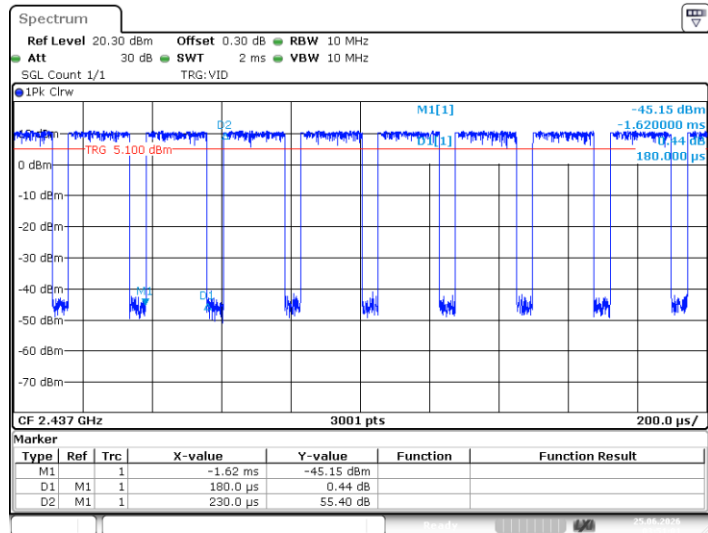
Date: 25.JUN.2026 03:23:20

11N20SISO_Ant1_2412



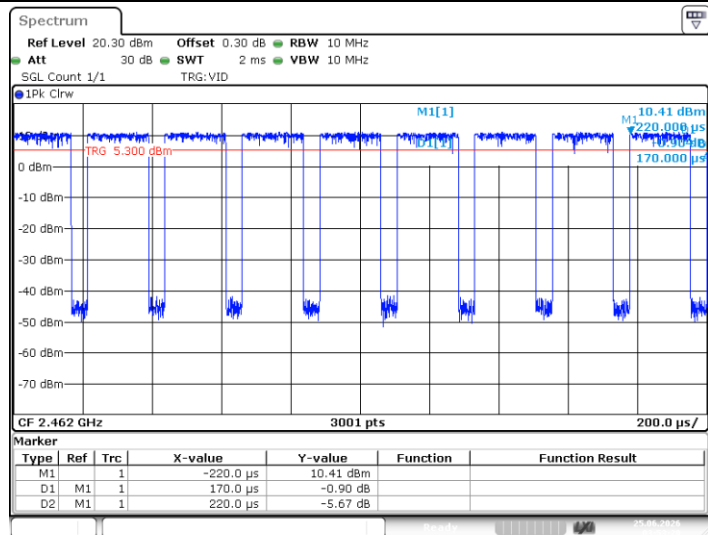
Date: 25.JUN.2026 03:47:53

11N20SISO_Ant1_2437



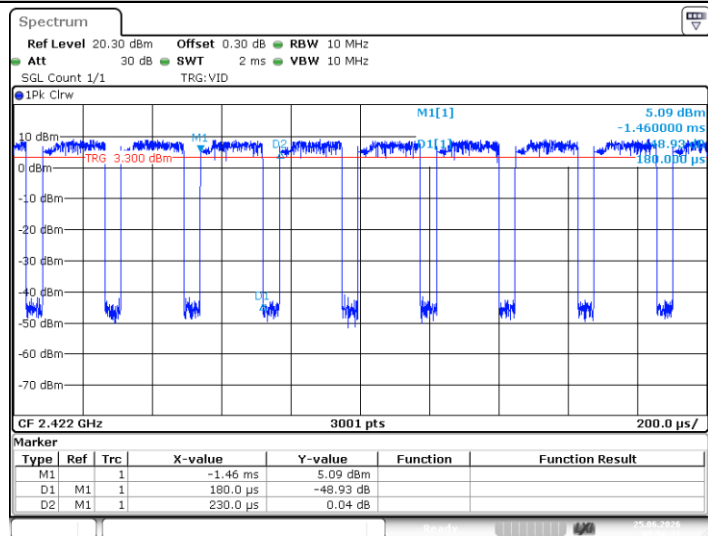
Date: 25.JUN.2026 03:51:01

11N20SISO_Ant1_2462



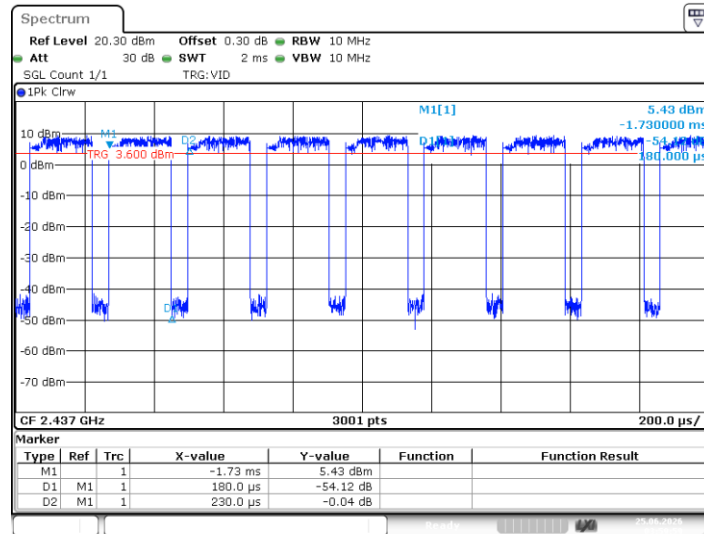
Date: 25.JUN.2026 03:53:20

11N40SISO_Ant1_2422



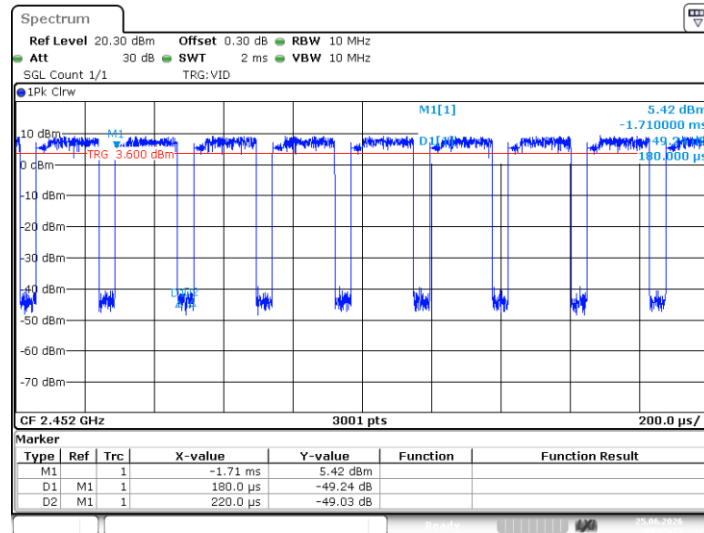
Date: 25.JUN.2026 03:56:31

11N40SISO_Ant1_2437



Date: 25.JUN.2026 03:59:59

11N40SISO_Ant1_2452



Date: 25.JUN.2026 04:02:23