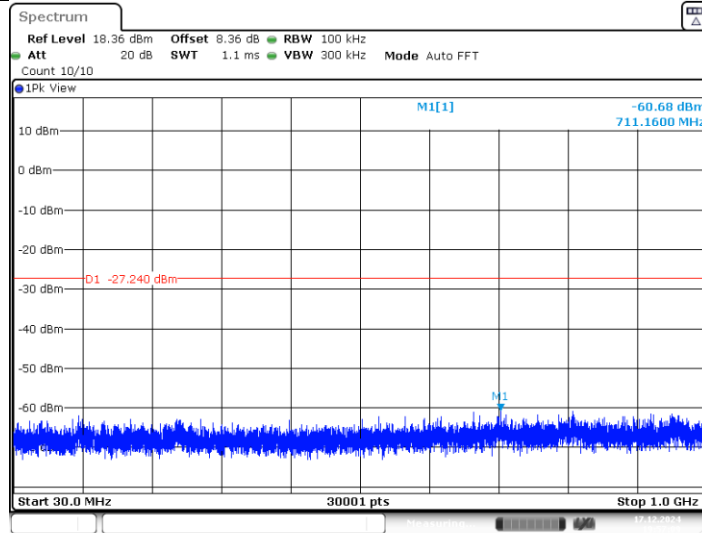
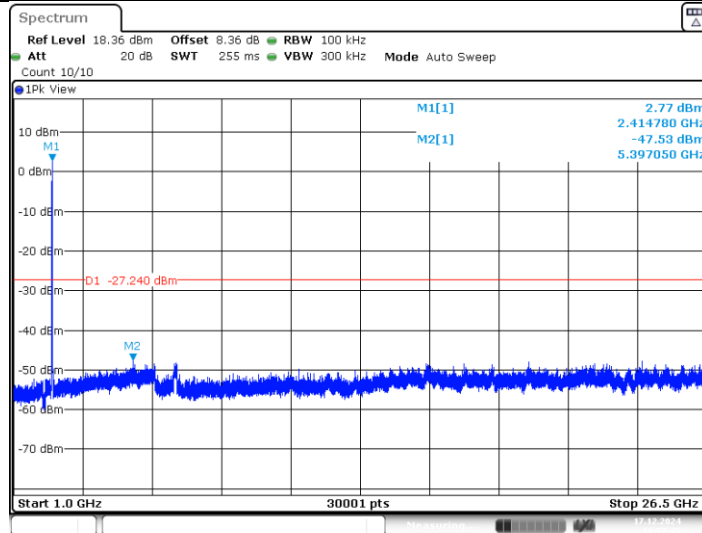


11N20SISO_Ant1_2412_30~1000



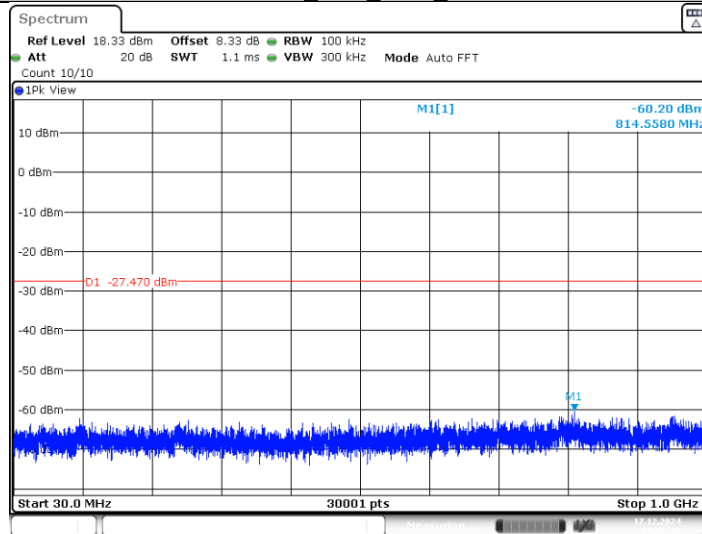
Date: 17.DEC.2024 19:57:09

11N20SISO_Ant1_2412_1000~26500



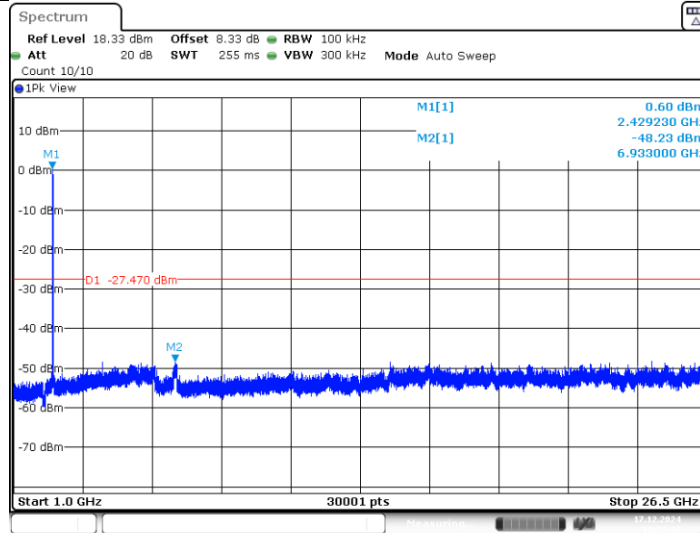
Date: 17.DEC.2024 19:57:45

11N20SISO_Ant1_2437_30~1000

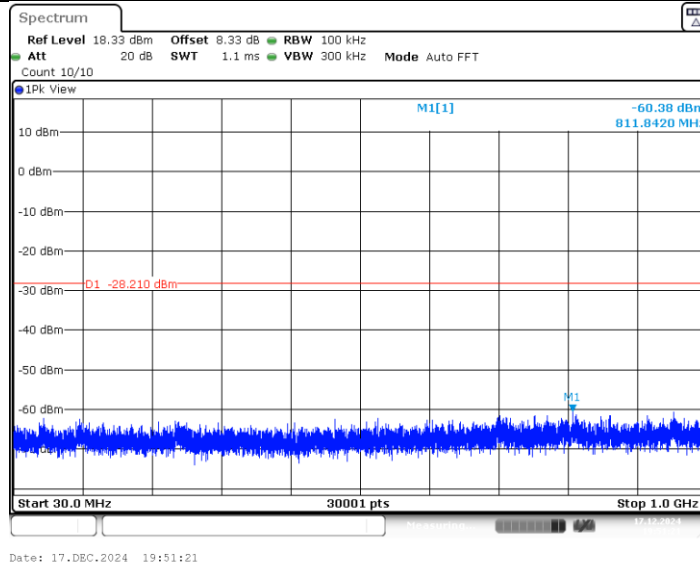


Date: 17.DEC.2024 19:53:16

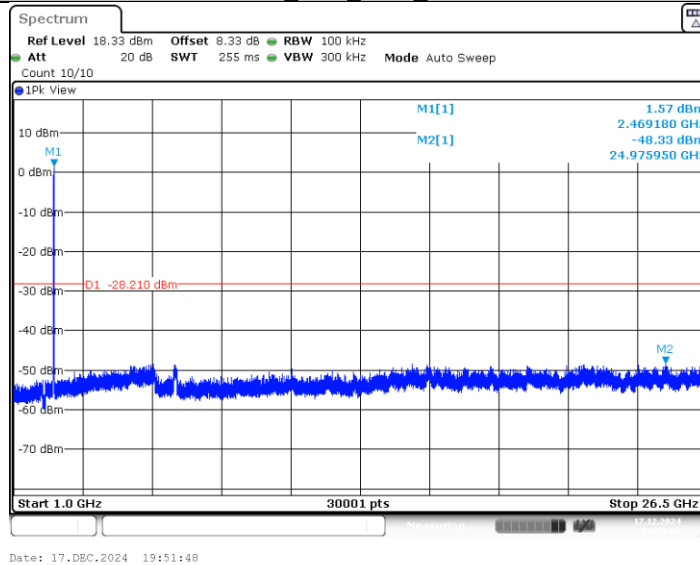
11N20SISO_Ant1_2437_1000~26500



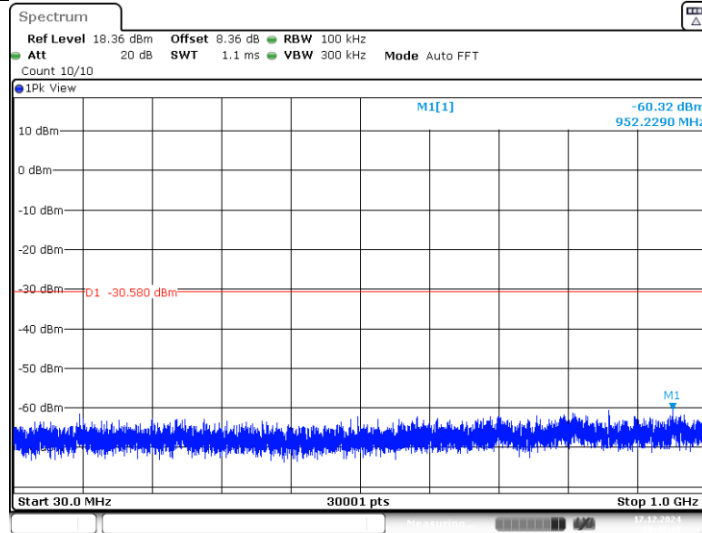
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

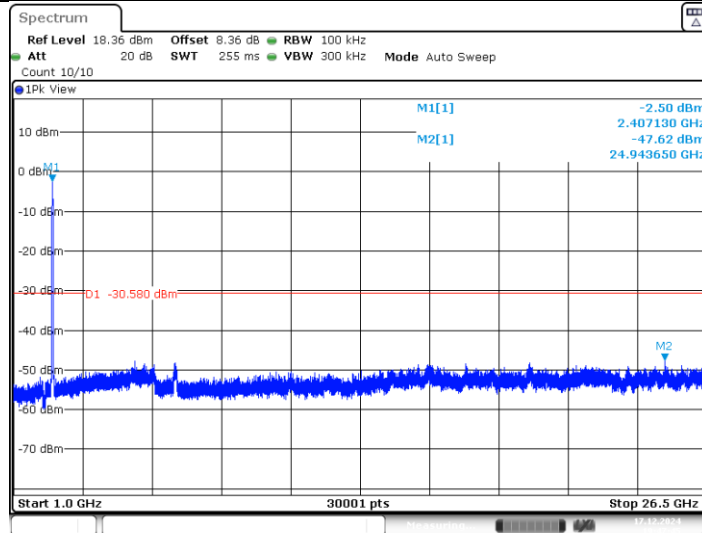


11N40SISO_Ant1_2422_30~1000



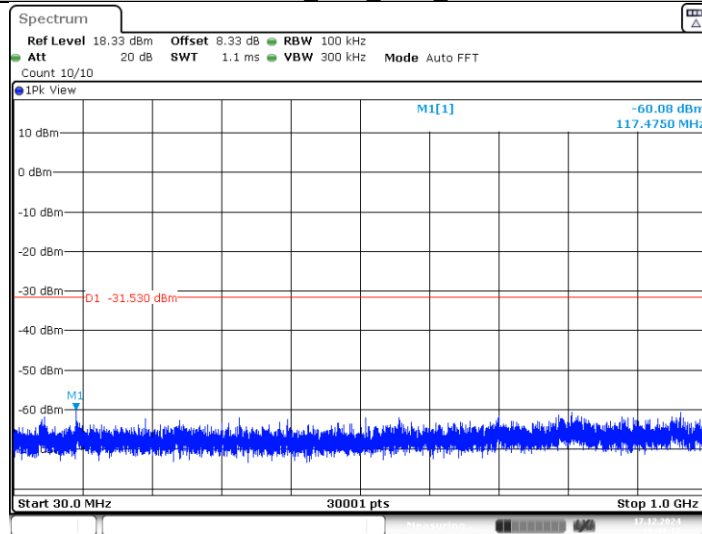
Date: 17.DEC.2024 19:47:19

11N40SISO_Ant1_2422_1000~26500



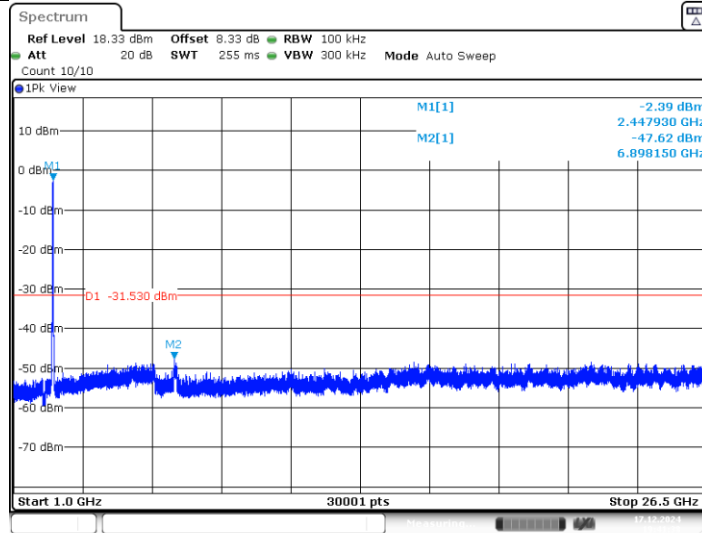
Date: 17.DEC.2024 19:47:45

11N40SISO_Ant1_2437_30~1000

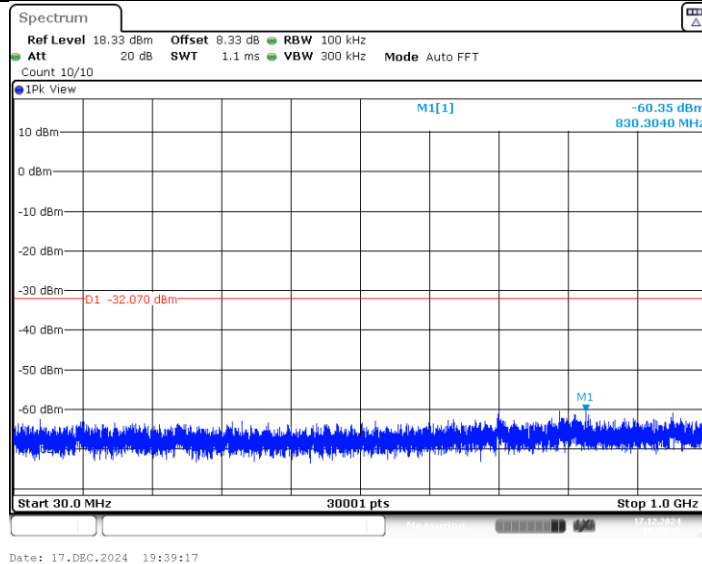


Date: 17.DEC.2024 19:41:12

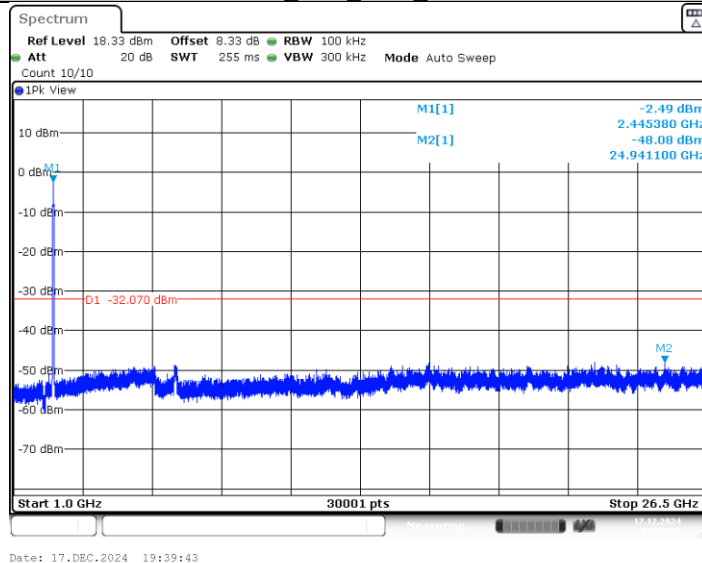
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_30~1000



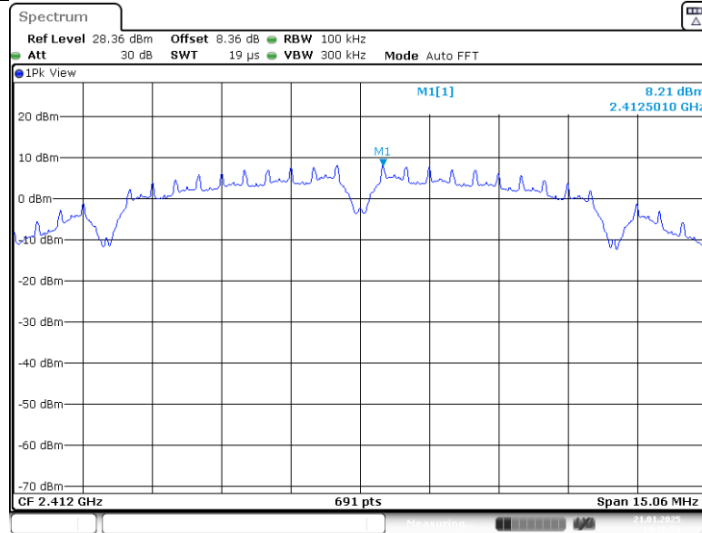
11N40SISO_Ant1_2452_1000~26500



Reference level measurement

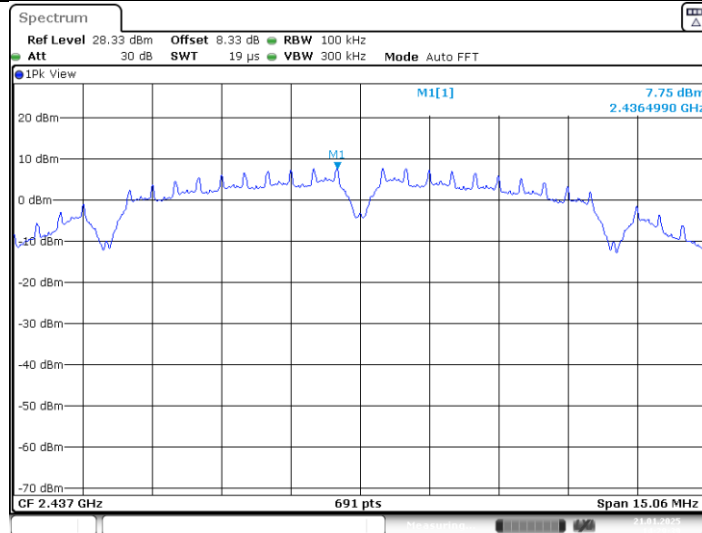
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant Left	2412	2412.50	8.21
		2437	2436.50	7.75
		2462	2462.48	7.23
11G	Ant Left	2412	2407.01	4.91
		2437	2431.99	6.20
		2462	2463.26	5.74
11N20SISO	Ant Left	2412	2410.74	3.93
		2437	2439.48	6.77
		2462	2457.00	2.15
11N40SISO	Ant Left	2422	2425.71	-1.21
		2437	2425.76	1.93
		2452	2455.74	-1.93

11B_Ant1_2412



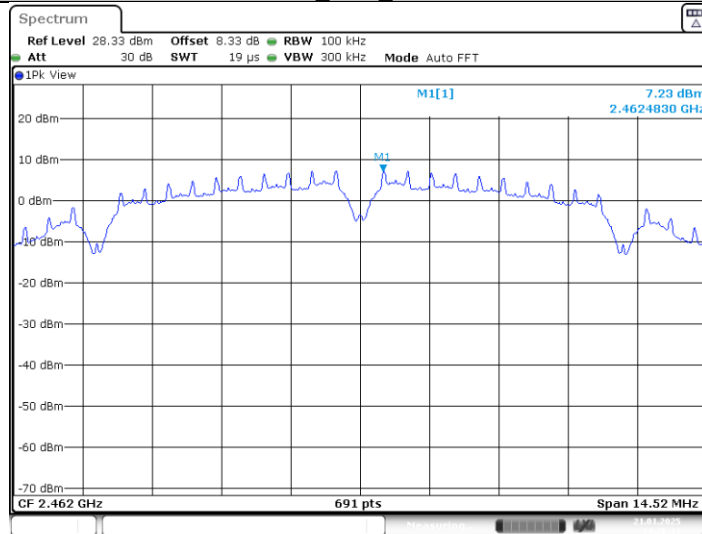
Date: 21.JAN.2025 14:16:56

11B_Ant1_2437



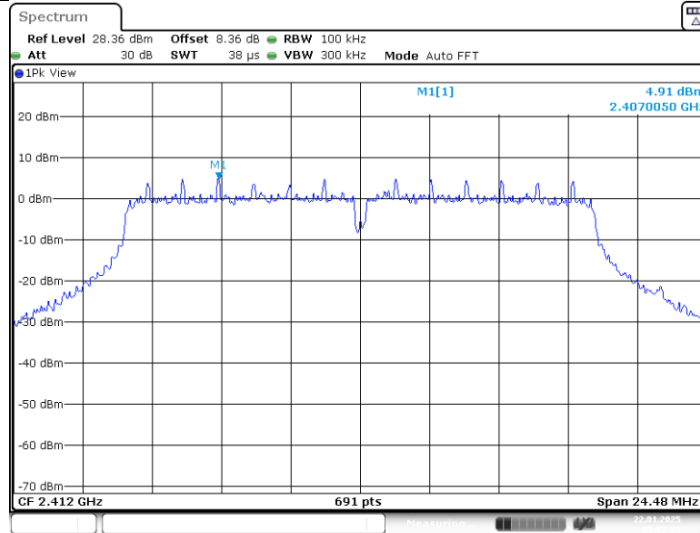
Date: 21.JAN.2025 14:29:40

11B_Ant1_2462

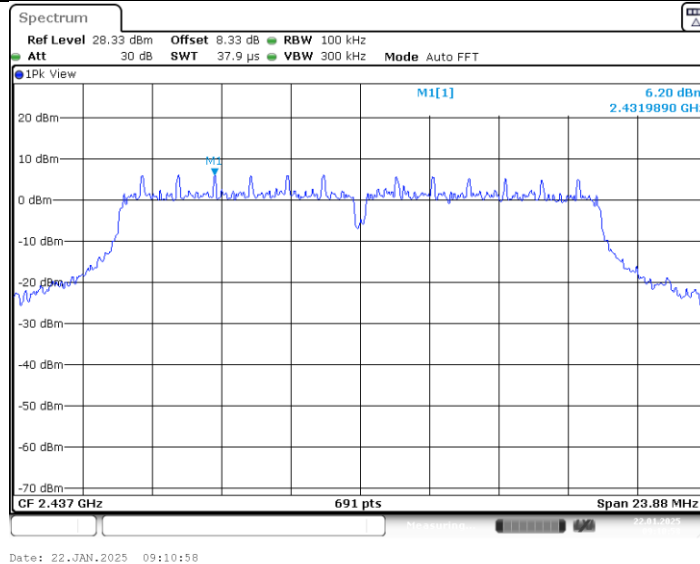


Date: 21.JAN.2025 14:26:32

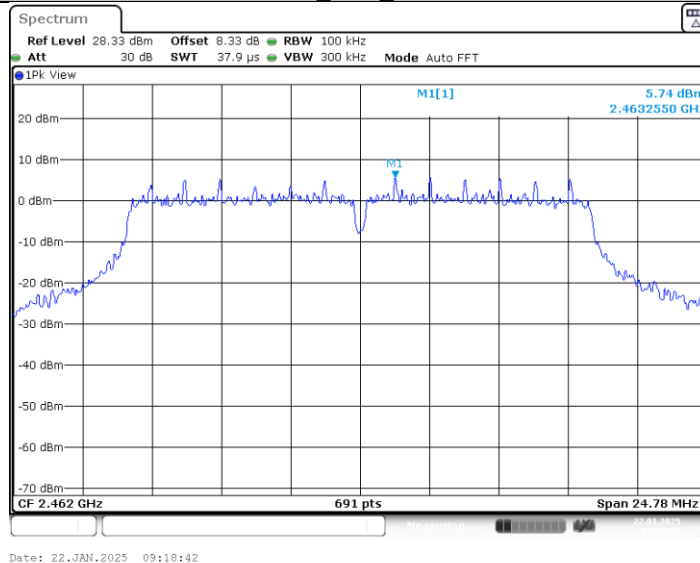
11G_Ant1_2412



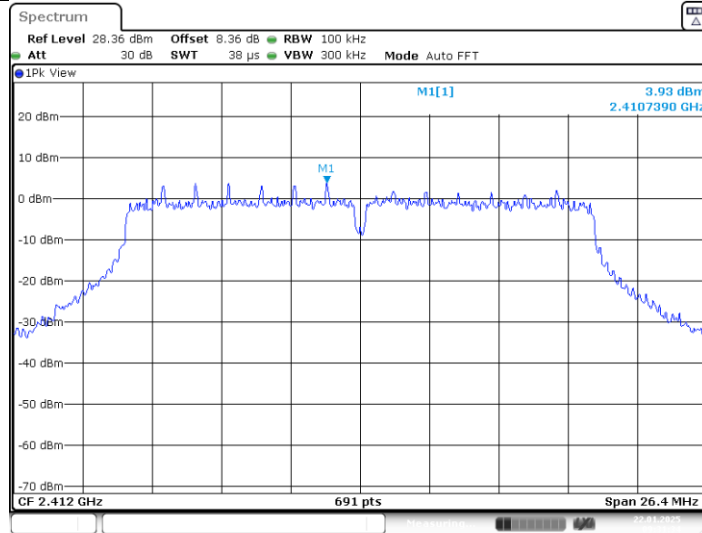
11G_Ant1_2437



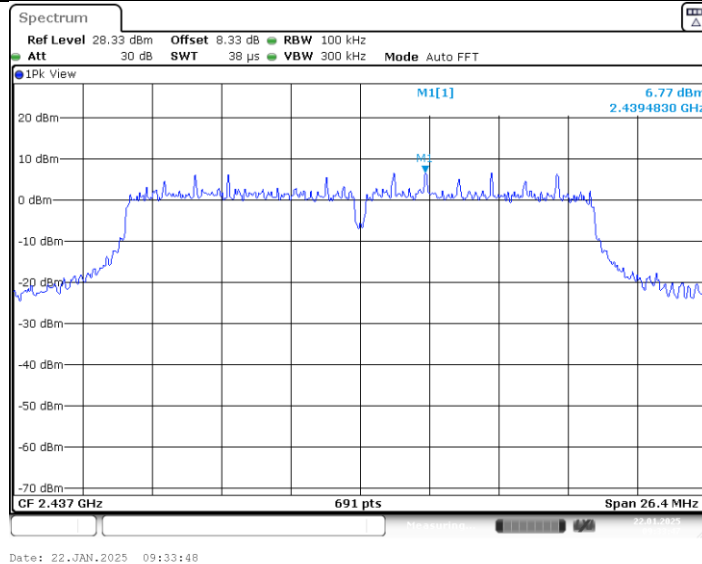
11G_Ant1_2462



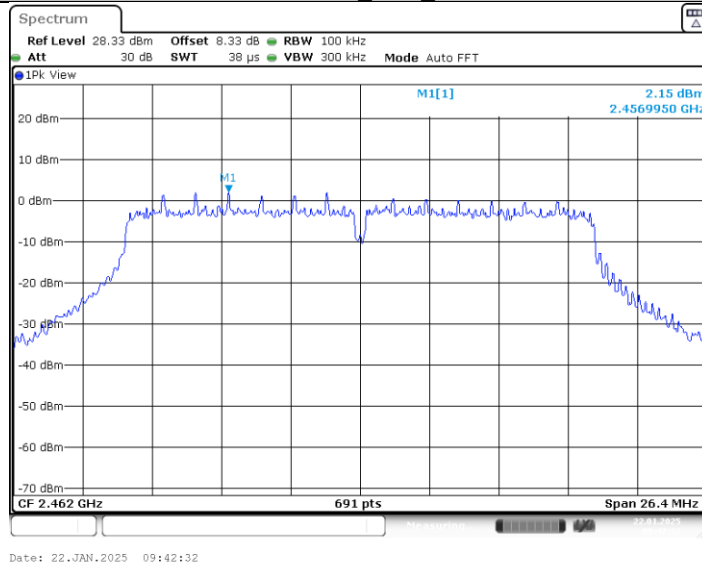
11N20SISO_Ant1_2412



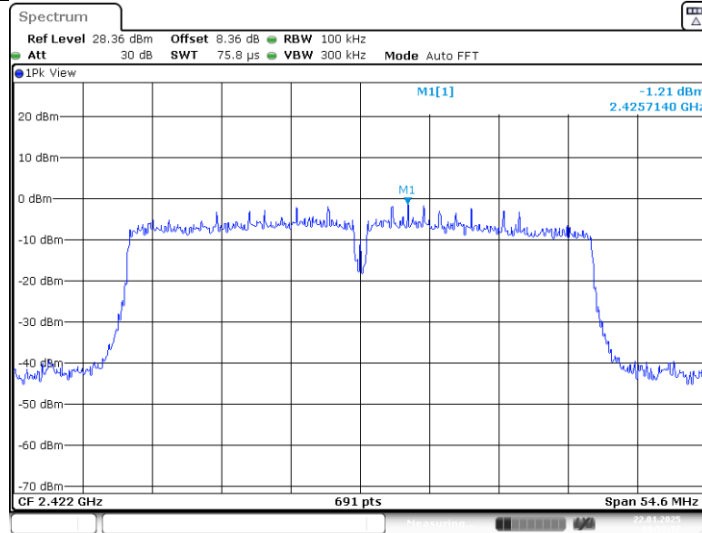
11N20SISO_Ant1_2437



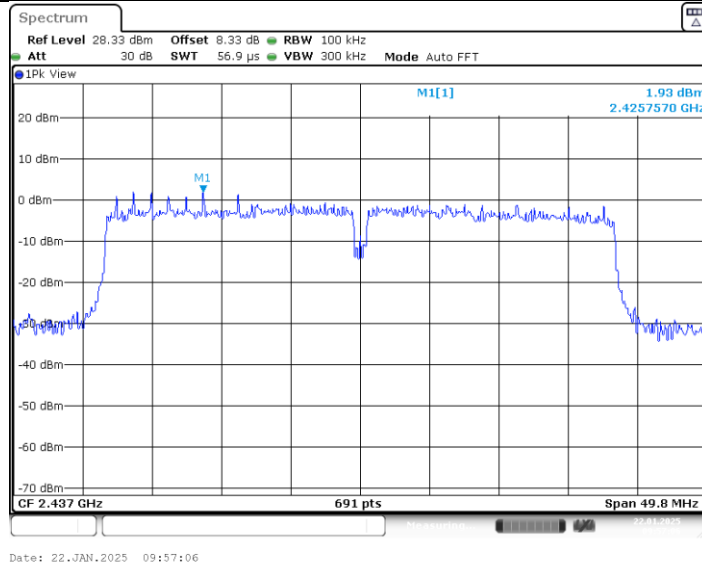
11N20SISO_Ant1_2462



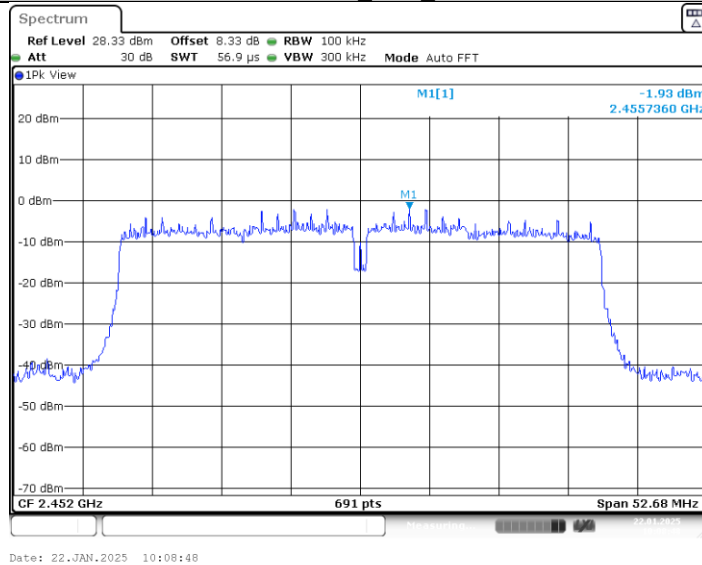
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

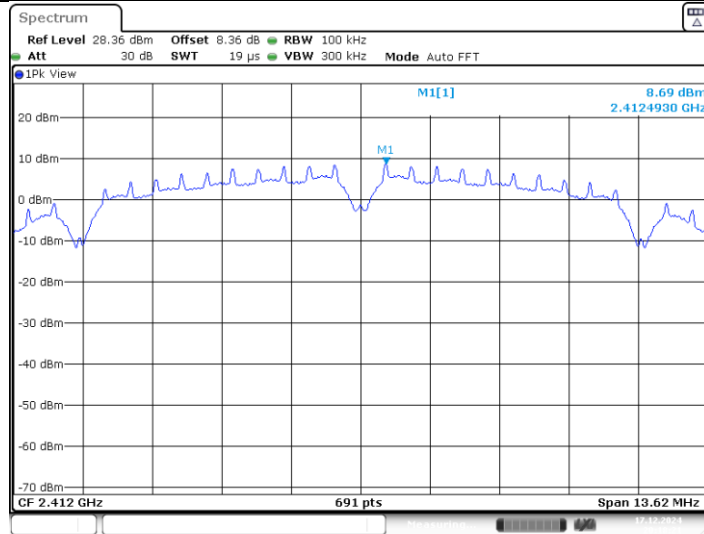


11N40SISO_Ant1_2452



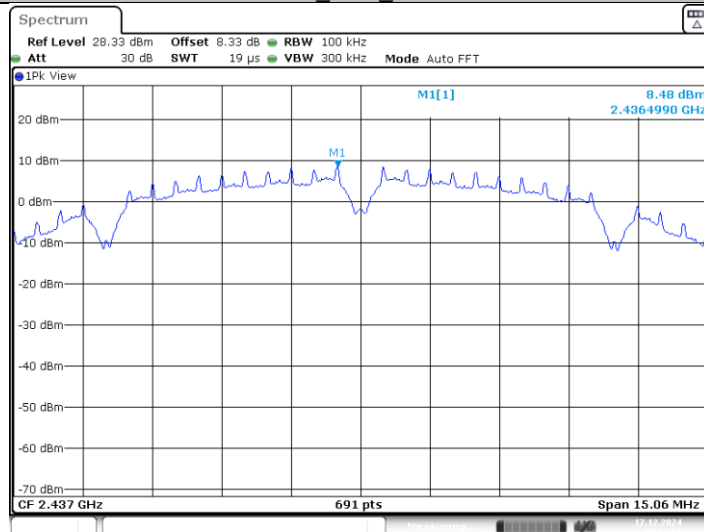
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant Right	2412	2412.49	8.69
		2437	2436.50	8.48
		2462	2462.49	7.60
11G	Ant Right	2412	2413.26	4.25
		2437	2430.73	1.24
		2462	2456.98	1.84
11N20SISO	Ant Right	2412	2414.47	2.76
		2437	2432.00	2.53
		2462	2457.01	1.79
11N40SISO	Ant Right	2422	2419.48	-0.58
		2437	2420.71	-1.53
		2452	2449.48	-2.07

11B_Ant1_2412



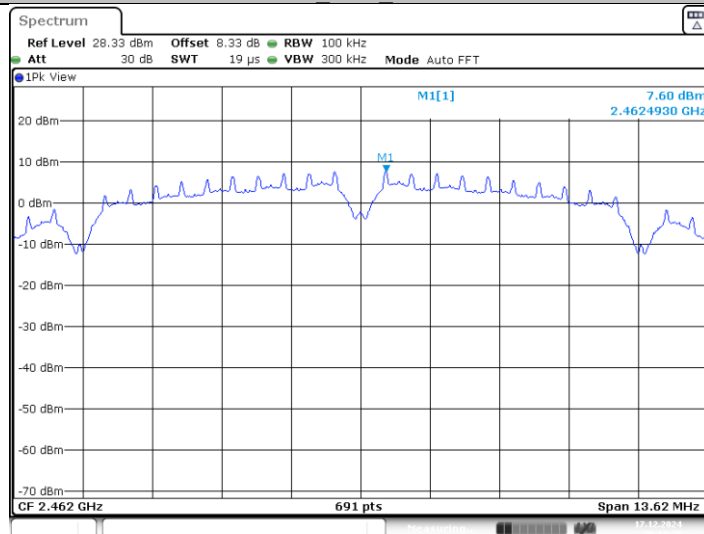
Date: 17.DEC.2024 20:18:21

11B_Ant1_2437



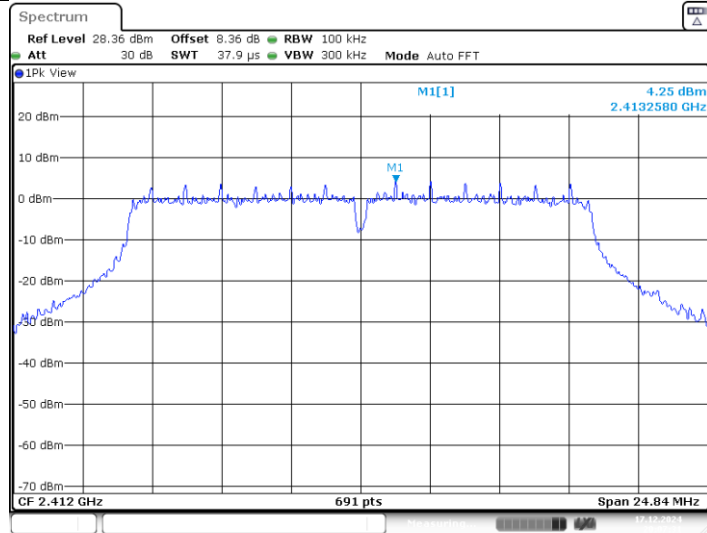
Date: 17.DEC.2024 20:13:58

11B_Ant1_2462



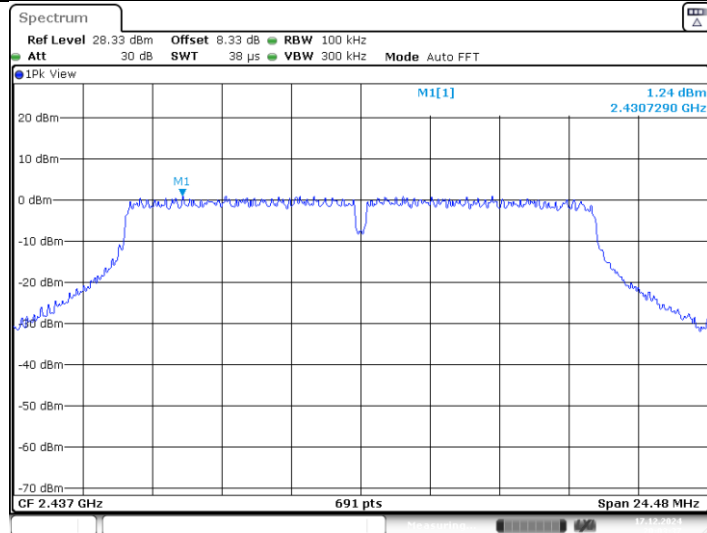
Date: 17.DEC.2024 20:11:36

11G_Ant1_2412



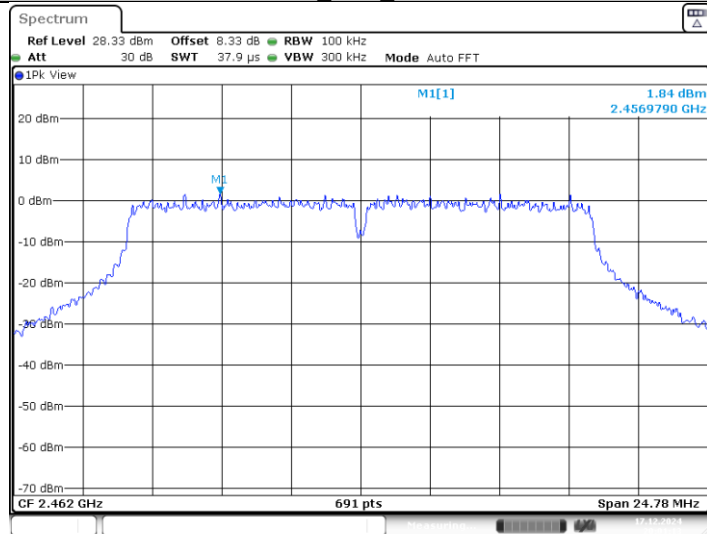
Date: 17.DEC.2024 20:07:32

11G_Ant1_2437



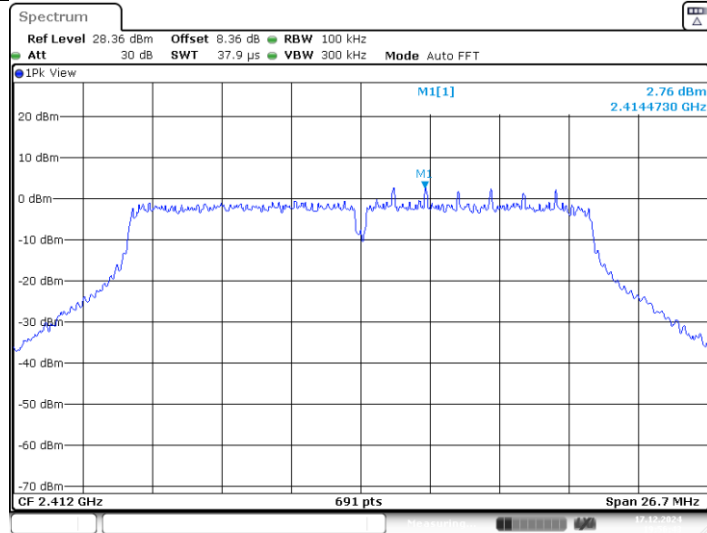
Date: 17.DEC.2024 20:03:36

11G_Ant1_2462



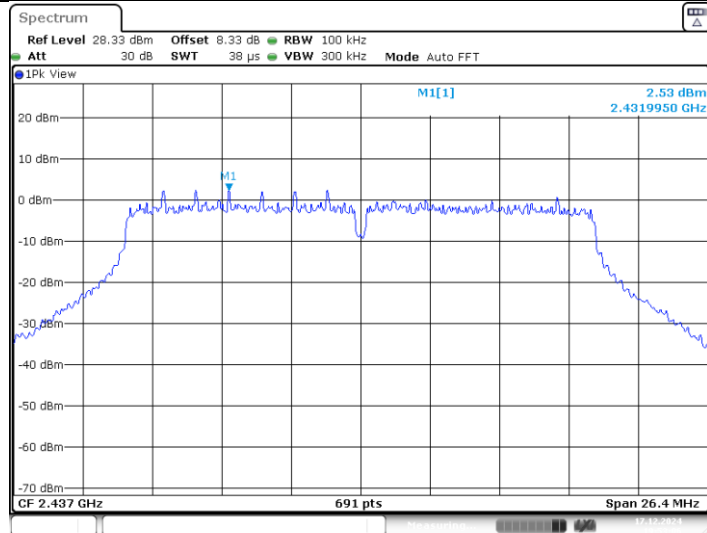
Date: 17.DEC.2024 20:01:13

11N20SISO_Ant1_2412



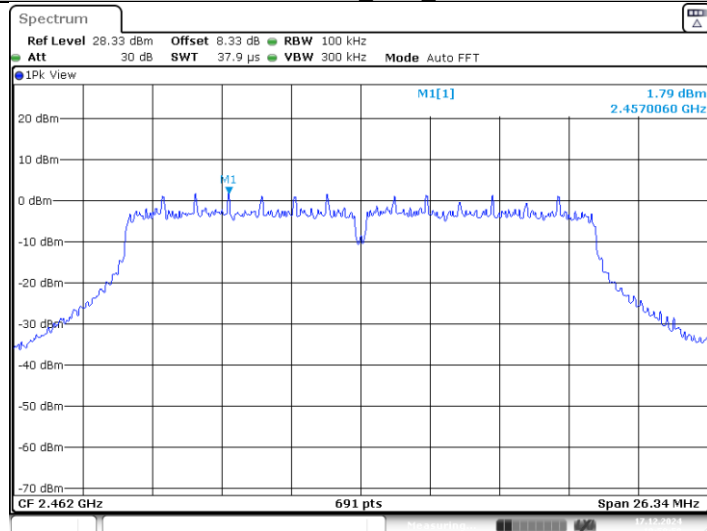
Date: 17.DEC.2024 19:56:44

11N20SISO_Ant1_2437



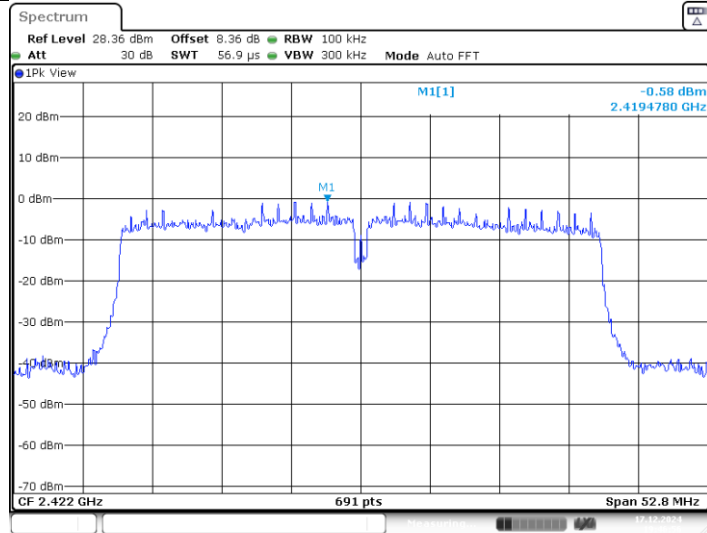
Date: 17.DEC.2024 19:53:06

11N20SISO_Ant1_2462



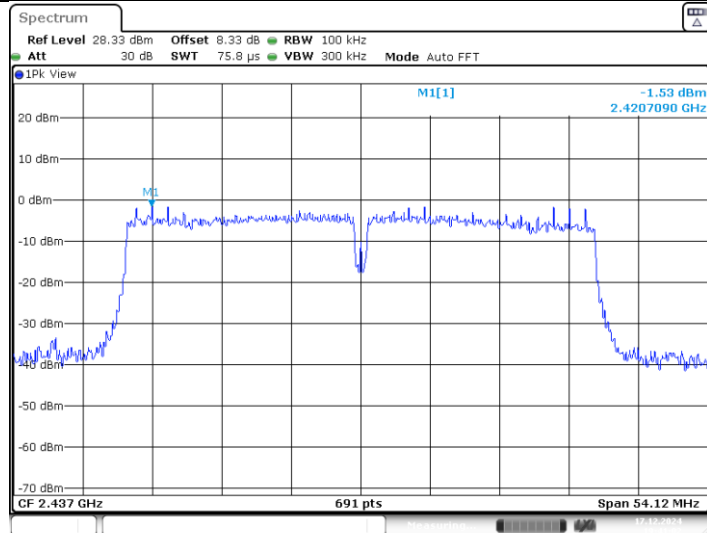
Date: 17.DEC.2024 19:50:58

11N40SISO_Ant1_2422



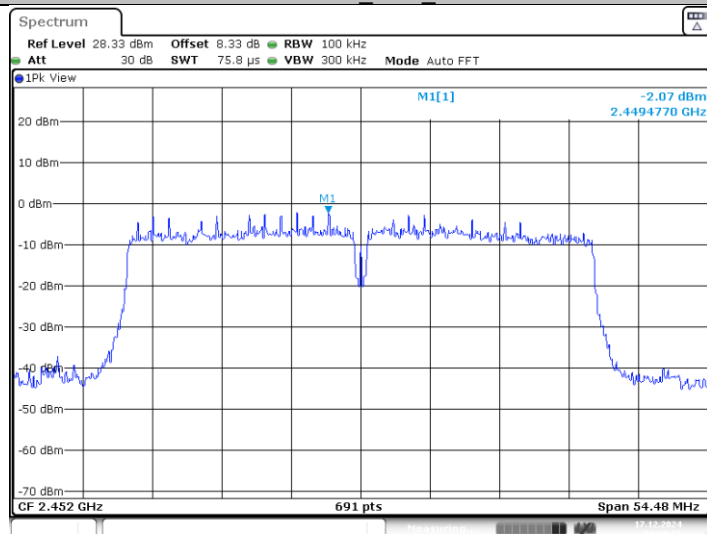
Date: 17.DEC.2024 19:46:57

11N40SISO_Ant1_2437



Date: 17.DEC.2024 19:41:02

11N40SISO_Ant1_2452

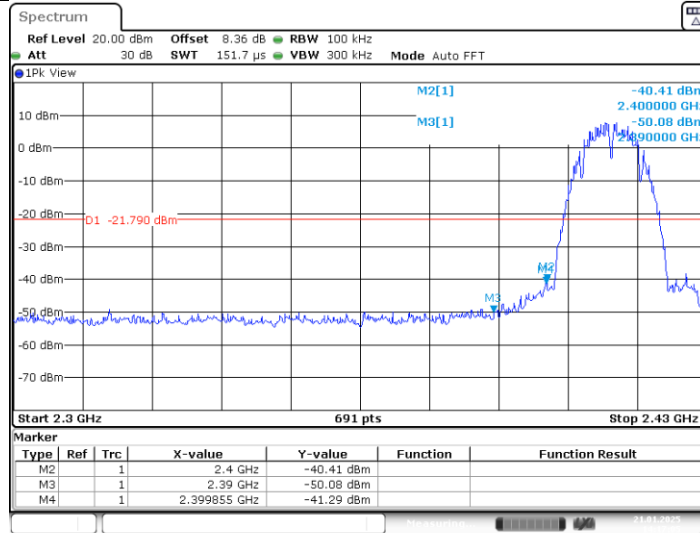


Date: 17.DEC.2024 19:38:52

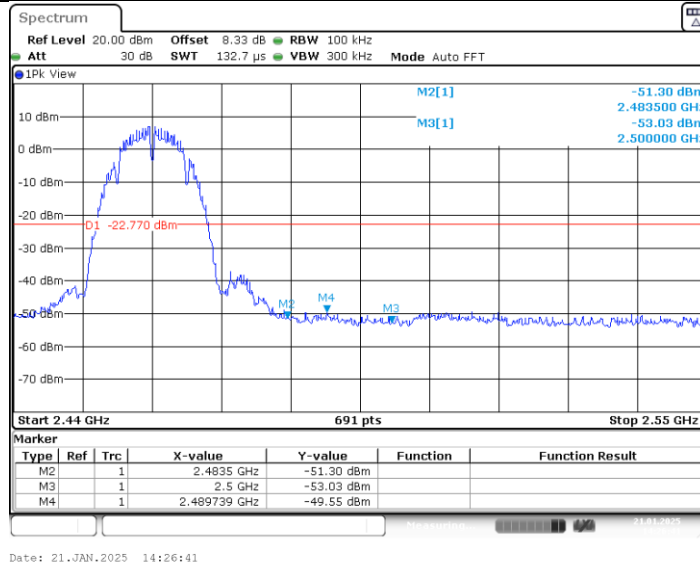
Band edge measurements

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant Left	Low	2412	8.21	-41.29	≤-21.79	PASS
		High	2462	7.23	-49.55	≤-22.77	PASS
11G	Ant Left	Low	2412	4.91	-29.53	≤-25.09	PASS
		High	2462	5.74	-37.32	≤-24.26	PASS
11N20SISO	Ant Left	Low	2412	3.93	-30.33	≤-26.07	PASS
		High	2462	2.15	-43.05	≤-27.85	PASS
11N40SISO	Ant Left	Low	2422	-1.21	-38.53	≤-31.21	PASS
		High	2452	-1.93	-43.72	≤-31.93	PASS

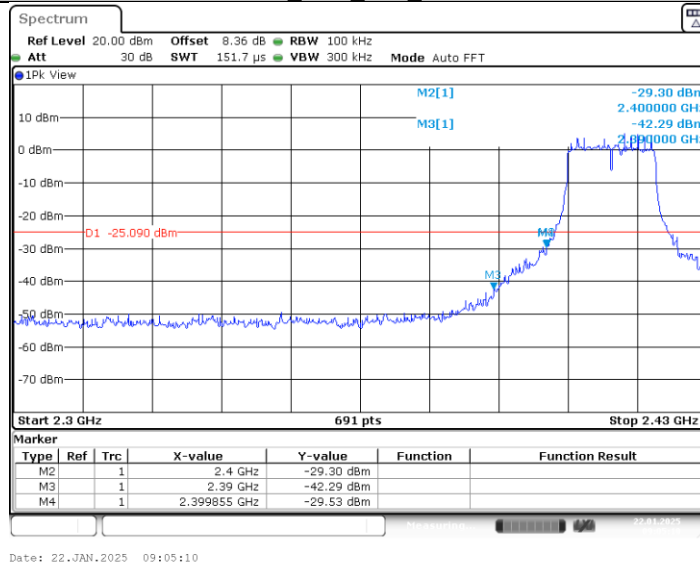
11B_Ant1_Low_2412



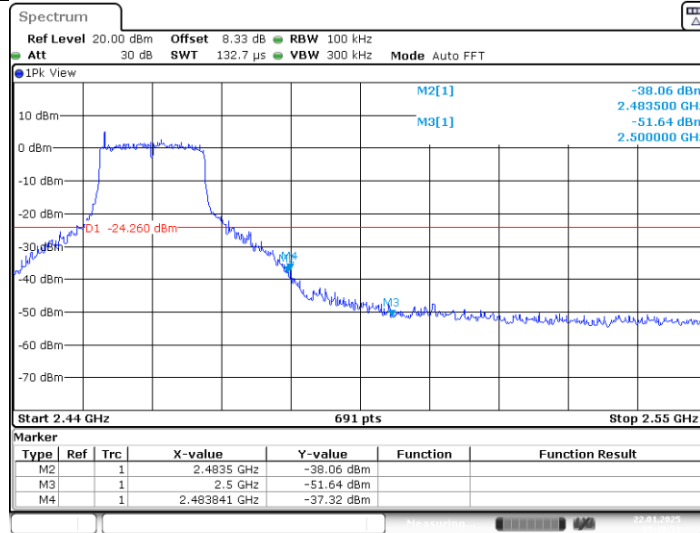
11B_Ant1_High_2462



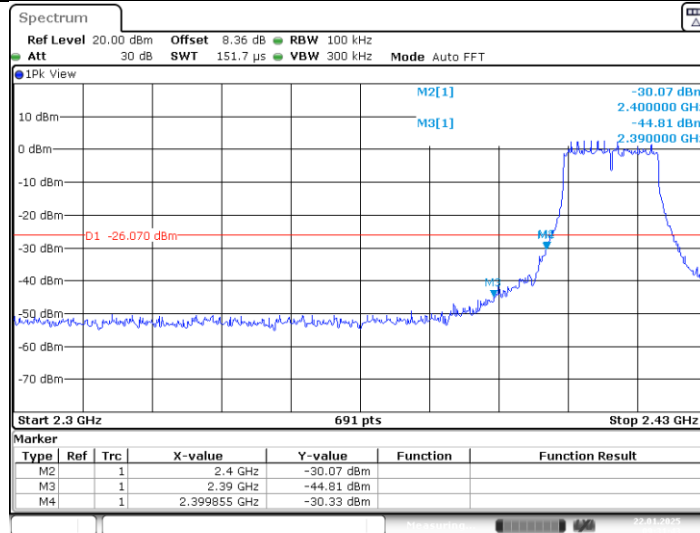
11G_Ant1_Low_2412



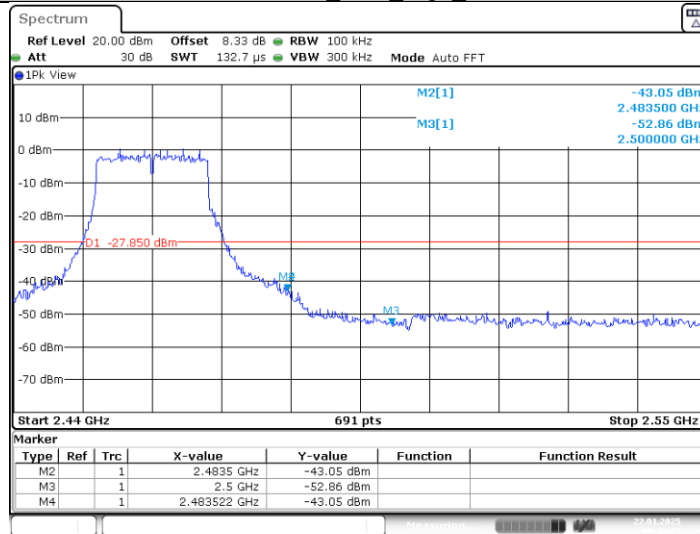
11G Ant1 High 2462



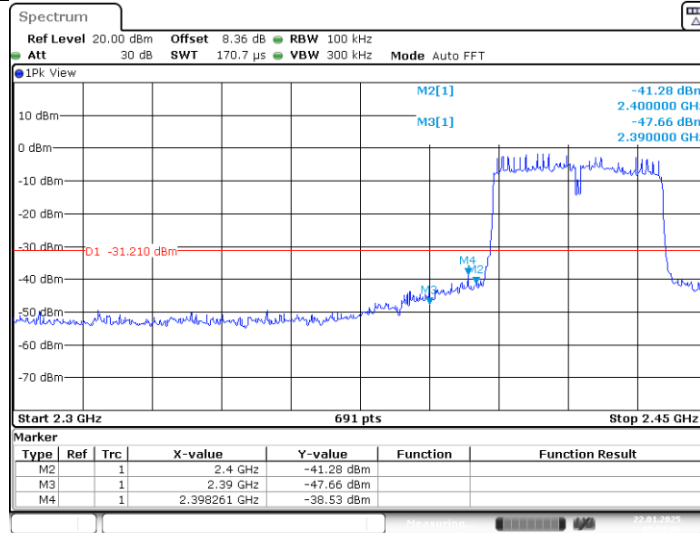
11N20SISO Ant1 Low 2412



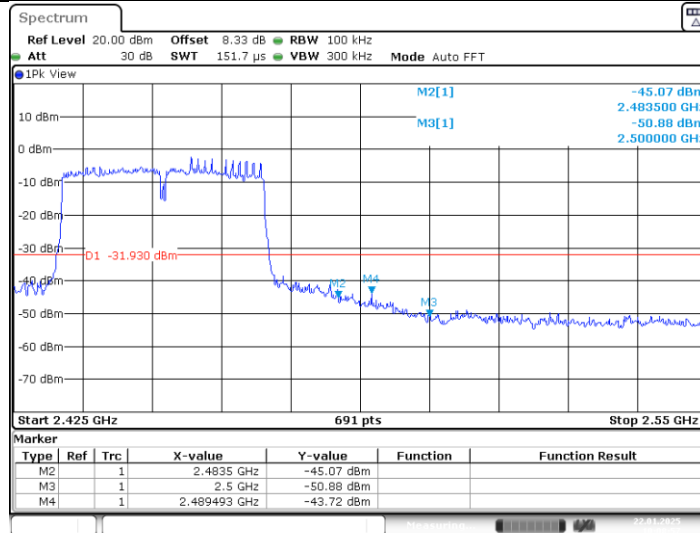
11N20SISO Ant1 High 2462



11N40SISO_Ant1_Low_2422

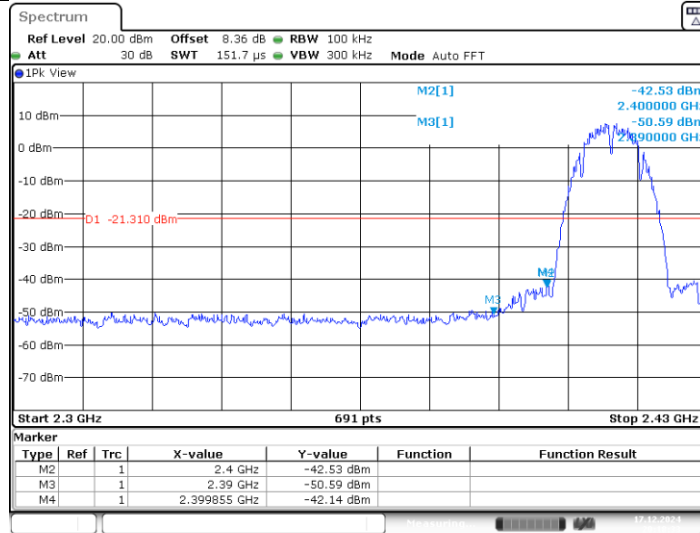


11N40SISO_Ant1_High_2452

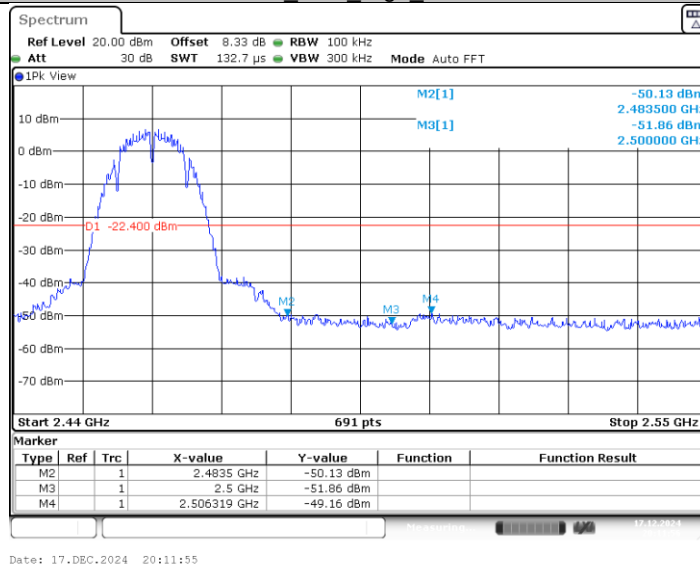


TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant Right	Low	2412	8.69	-42.14	≤ -21.31	PASS
		High	2462	7.60	-49.16	≤ -22.4	PASS
11G	Ant Right	Low	2412	4.25	-29.11	≤ -25.75	PASS
		High	2462	1.84	-43.36	≤ -28.16	PASS
11N20SISO	Ant Right	Low	2412	2.76	-32.62	≤ -27.24	PASS
		High	2462	1.79	-45.26	≤ -28.21	PASS
11N40SISO	Ant Right	Low	2422	-0.58	-37.82	≤ -30.58	PASS
		High	2452	-2.07	-43.87	≤ -32.07	PASS

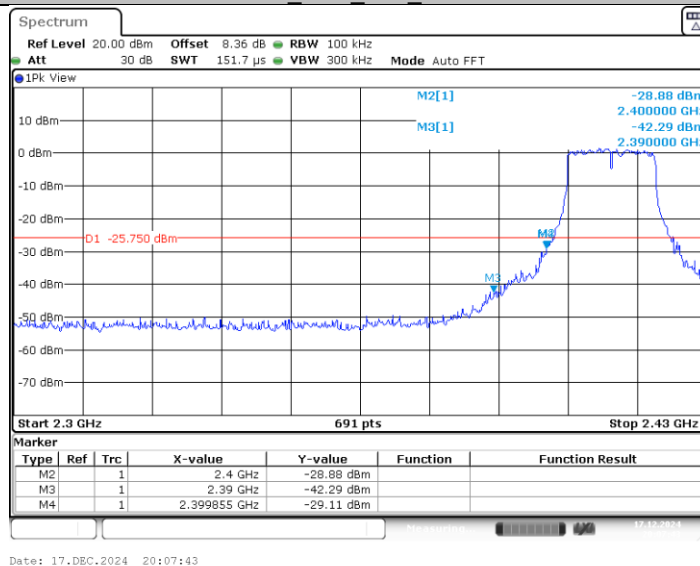
11B_Ant1_Low_2412



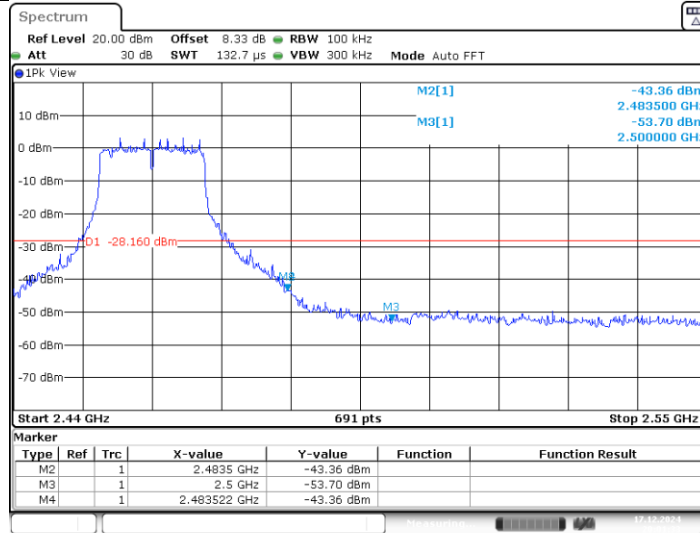
11B_Ant1_High_2462



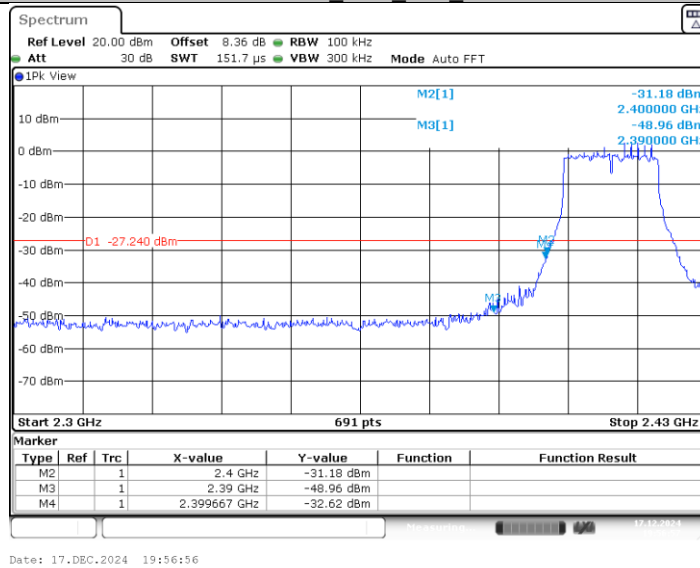
11G_Ant1_Low_2412



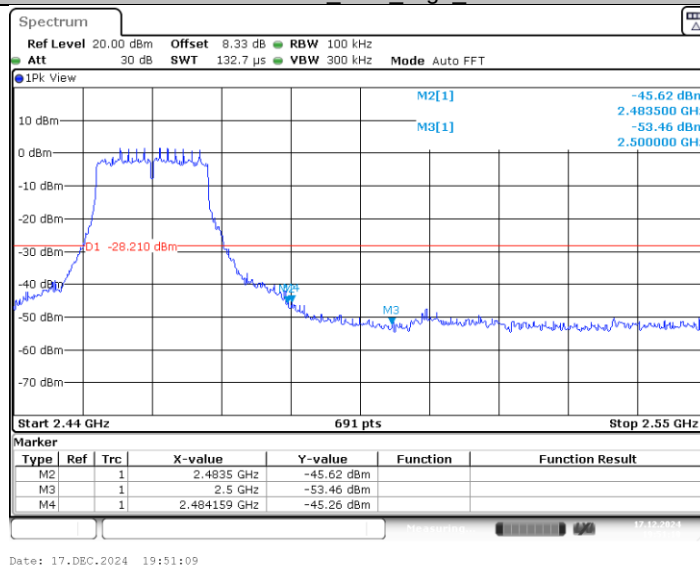
11G Ant1 High 2462

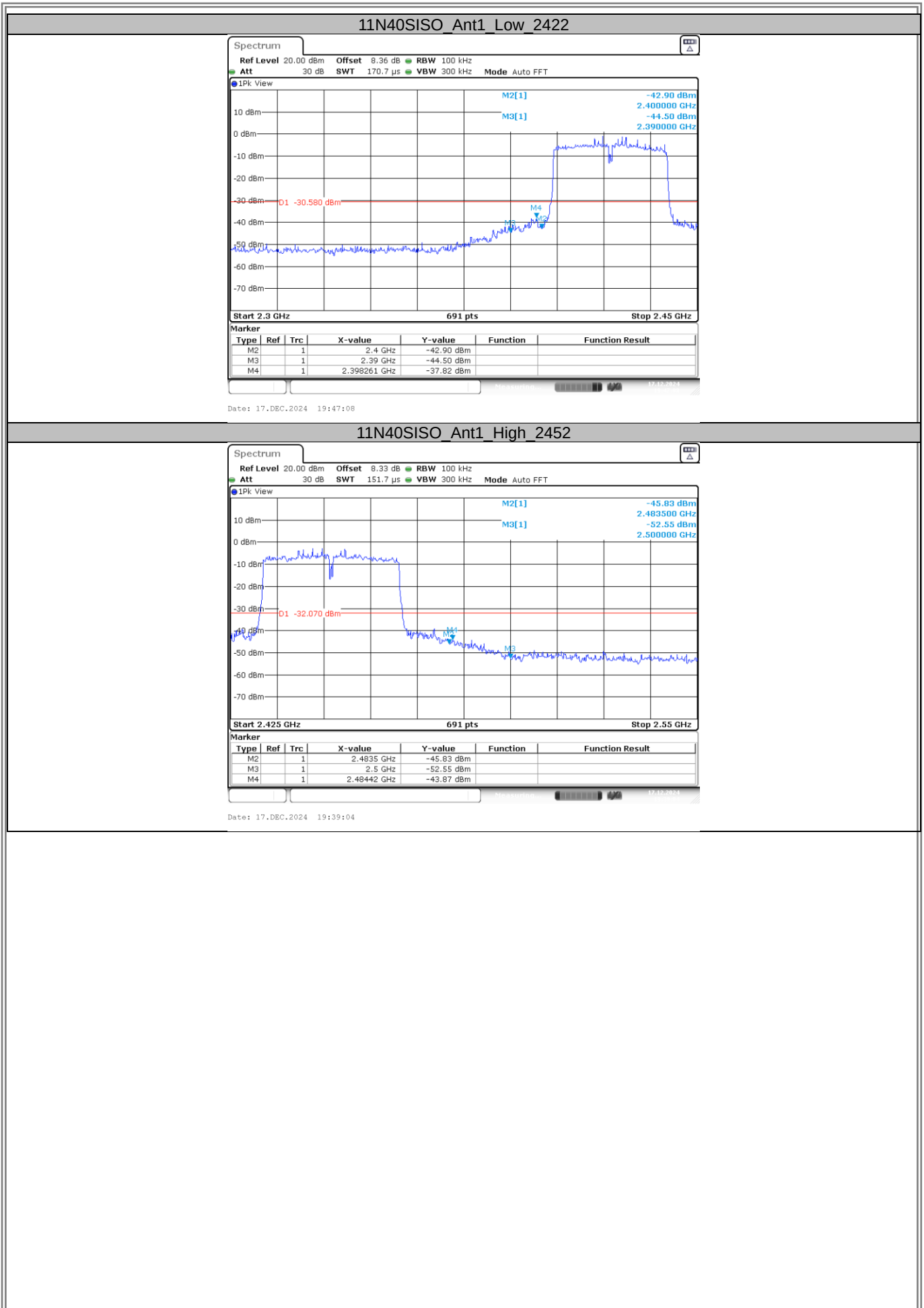


11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462



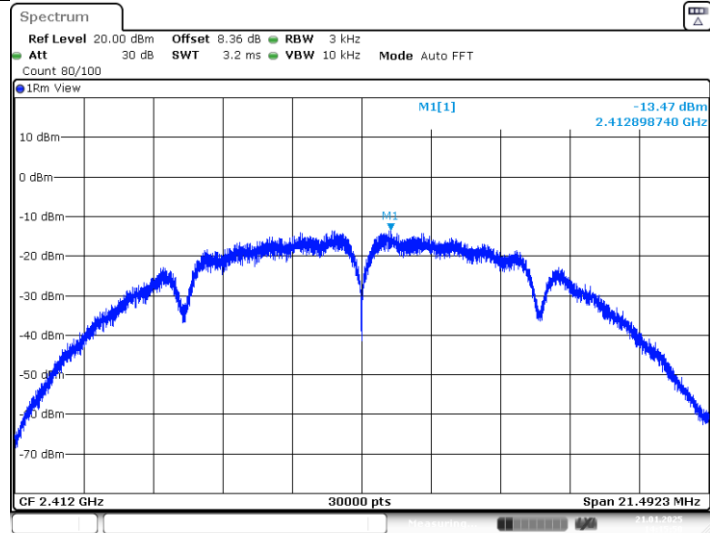


APPENDIX H- POWER SPECTRAL DENSITY

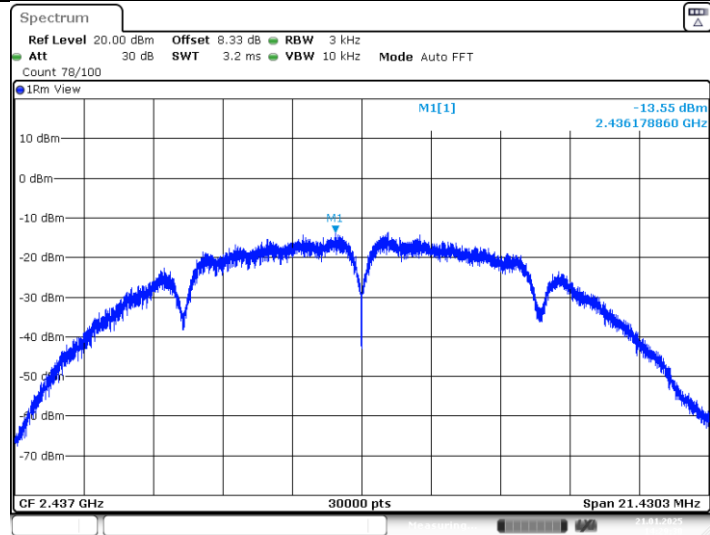
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant Left	2412	-13.47	≤8.00	PASS
		2437	-13.55	≤8.00	PASS
		2462	-15.29	≤8.00	PASS
11G	Ant Left	2412	-11.76	≤8.00	PASS
		2437	-13.02	≤8.00	PASS
		2462	-15.74	≤8.00	PASS
11N20SISO	Ant Left	2412	-13.19	≤8.00	PASS
		2437	-13.18	≤8.00	PASS
		2462	-13.34	≤8.00	PASS
11N40SISO	Ant Left	2422	-12.37	≤8.00	PASS
		2437	-14.17	≤8.00	PASS
		2452	-15.71	≤8.00	PASS

DC Factor = $10 \cdot \log(1/\text{Duty Cycle})$

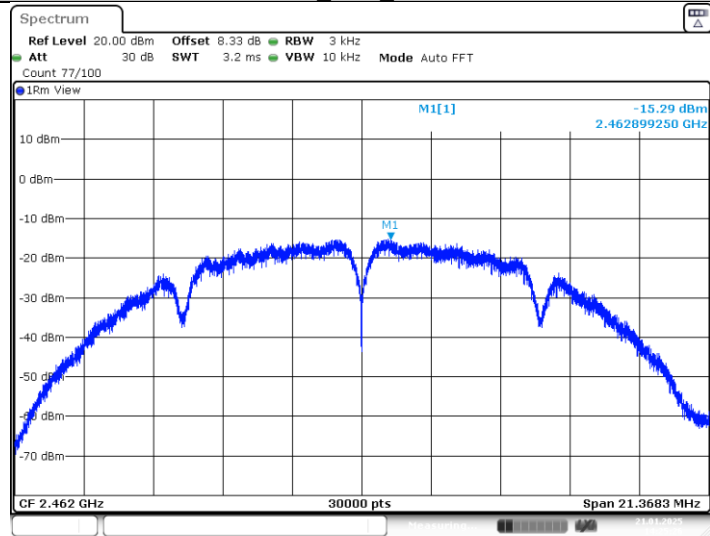
11B_Ant1_2412



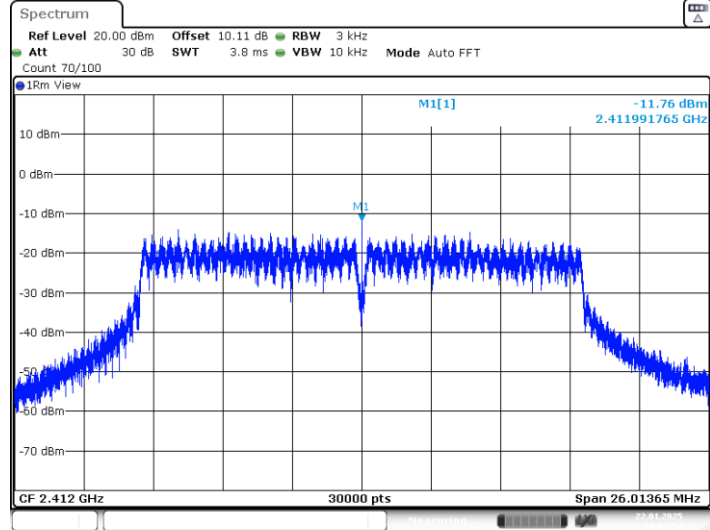
11B_Ant1_2437



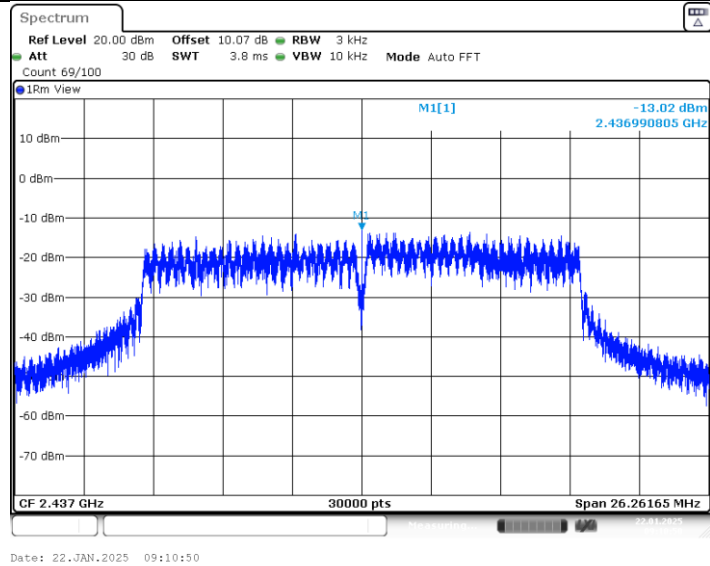
11B_Ant1_2462



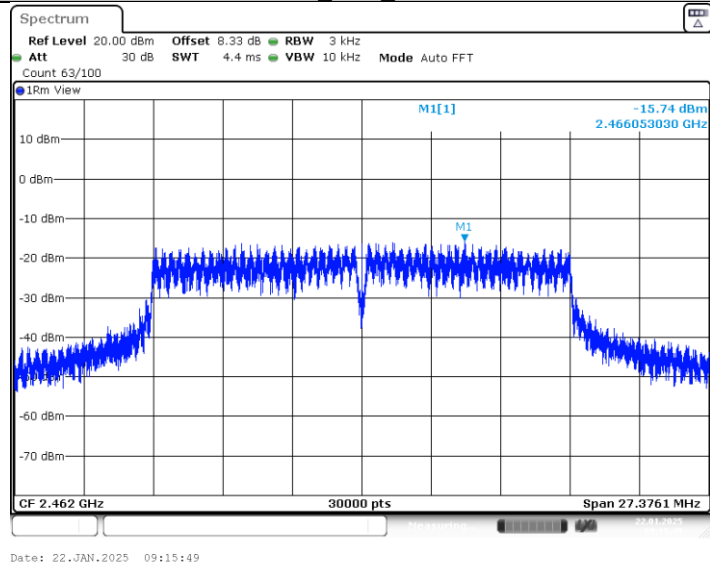
11G_Ant1_2412



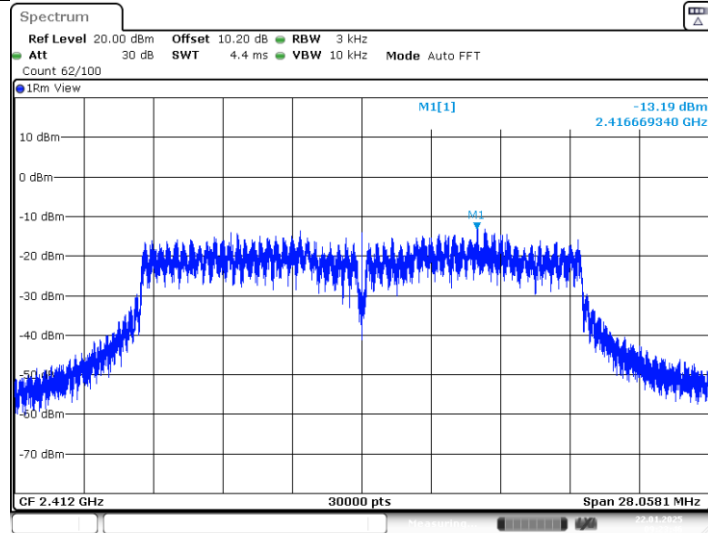
11G_Ant1_2437



11G_Ant1_2462

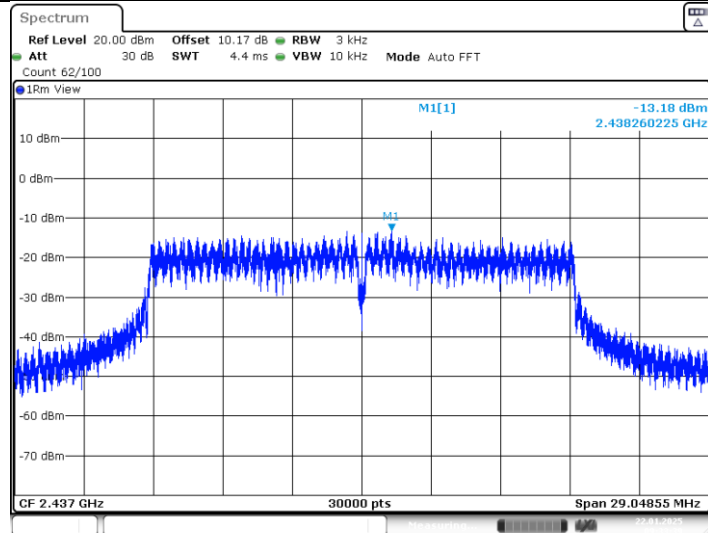


11N20SISO_Ant1_2412



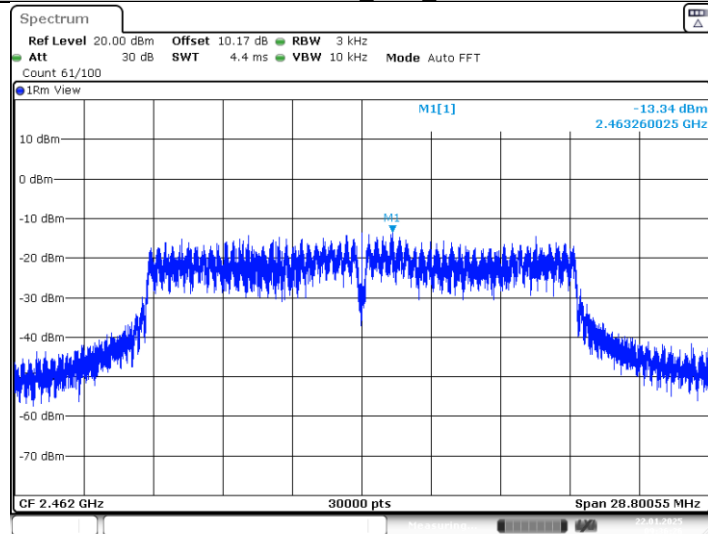
Date: 22.JAN.2025 09:23:46

11N20SISO_Ant1_2437



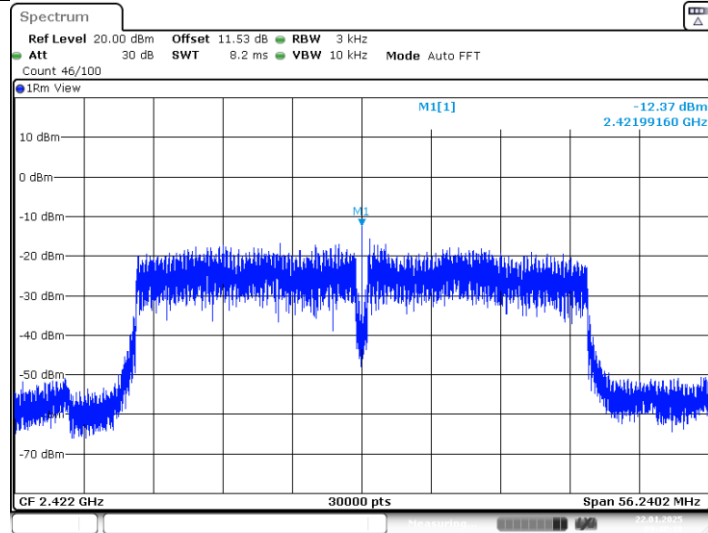
Date: 22.JAN.2025 09:33:39

11N20SISO_Ant1_2462



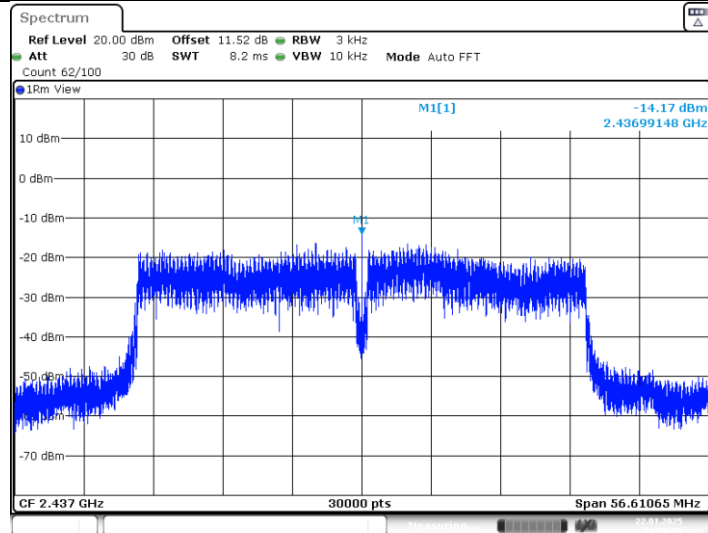
Date: 22.JAN.2025 09:36:26

11N40SISO_Ant1_2422



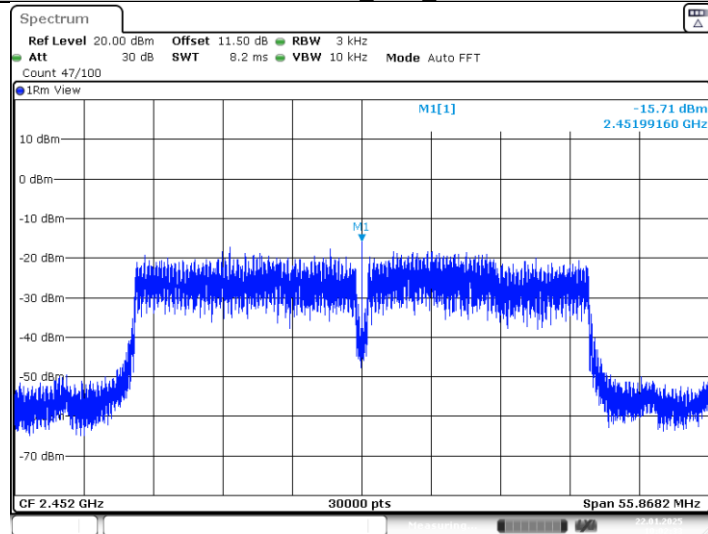
Date: 22.JAN.2025 09:48:17

11N40SISO_Ant1_2437



Date: 22.JAN.2025 09:56:58

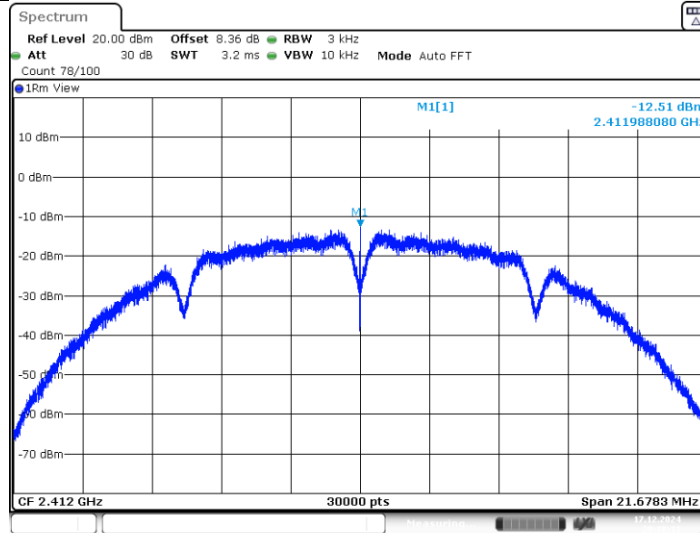
11N40SISO_Ant1_2452



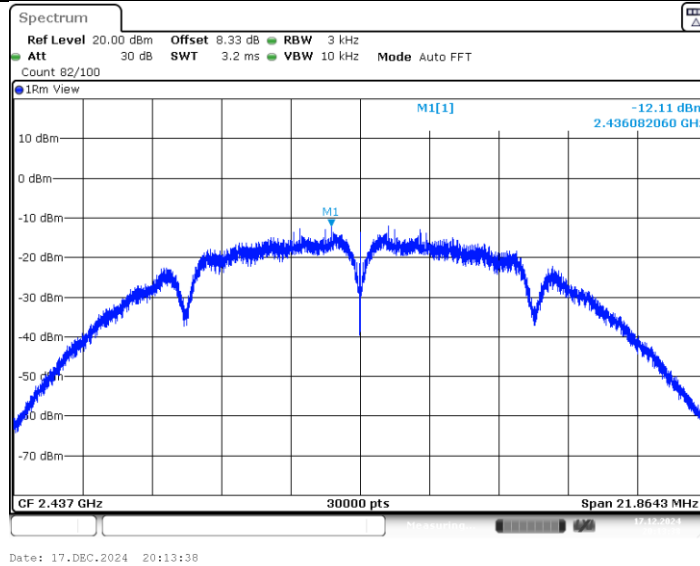
Date: 22.JAN.2025 10:02:33

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant Right	2412	-12.51	≤8.00	PASS
		2437	-12.11	≤8.00	PASS
		2462	-13.75	≤8.00	PASS
11G	Ant Right	2412	-13.12	≤8.00	PASS
		2437	-12.31	≤8.00	PASS
		2462	-12.17	≤8.00	PASS
11N20SISO	Ant Right	2412	-11.91	≤8.00	PASS
		2437	-12.39	≤8.00	PASS
		2462	-13.44	≤8.00	PASS
11N40SISO	Ant Right	2422	-12.88	≤8.00	PASS
		2437	-13.99	≤8.00	PASS
		2452	-14.09	≤8.00	PASS

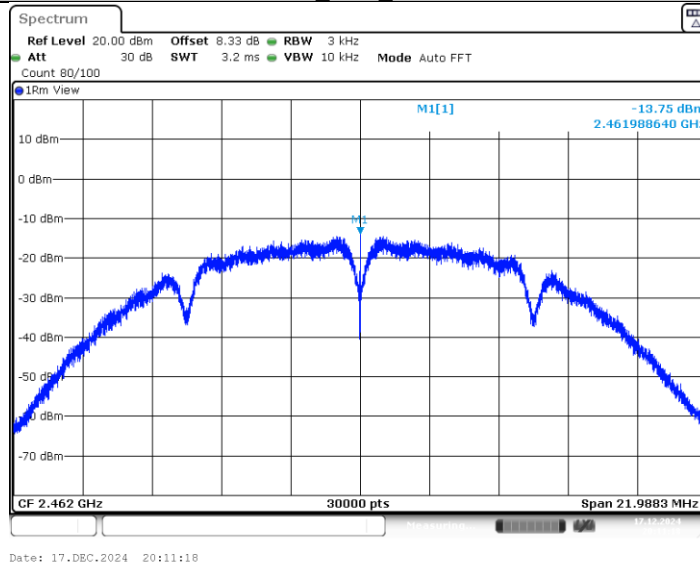
11B_Ant1_2412



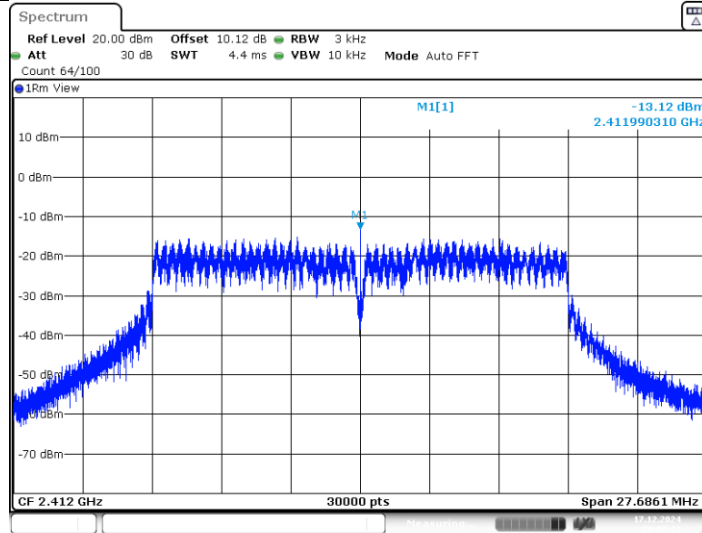
11B_Ant1_2437



11B_Ant1_2462

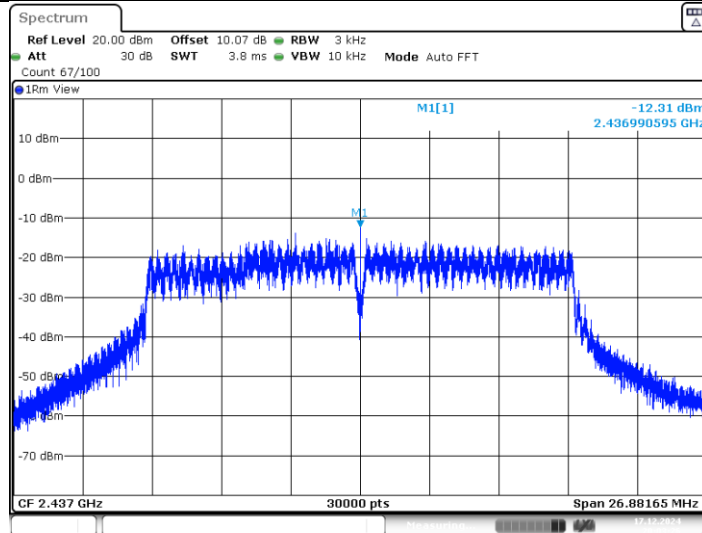


11G_Ant1_2412



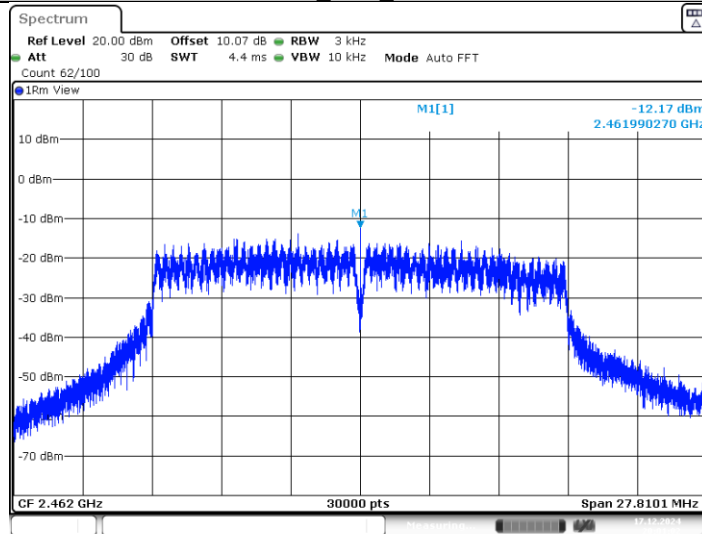
Date: 17.DEC.2024 20:07:12

11G_Ant1_2437



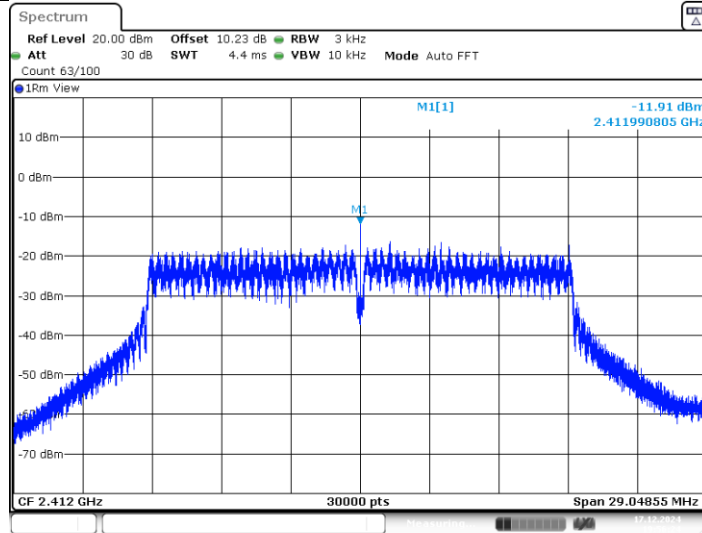
Date: 17.DEC.2024 20:03:26

11G_Ant1_2462



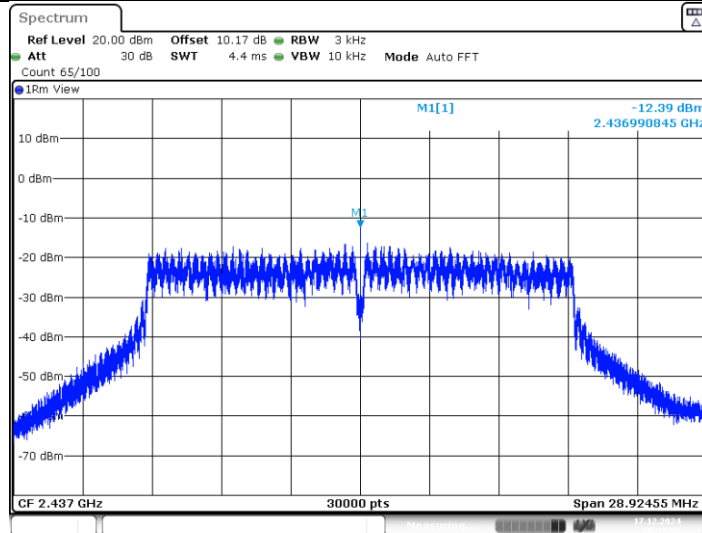
Date: 17.DEC.2024 20:01:01

11N20SISO_Ant1_2412



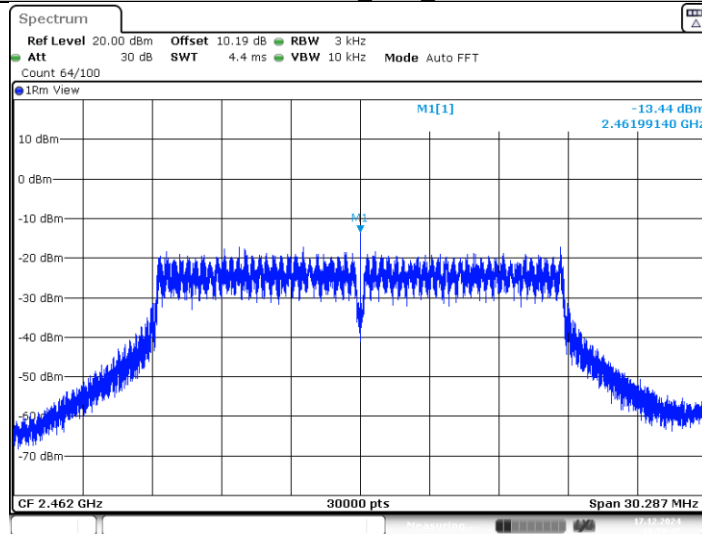
Date: 17.DEC.2024 19:56:24

11N20SISO_Ant1_2437



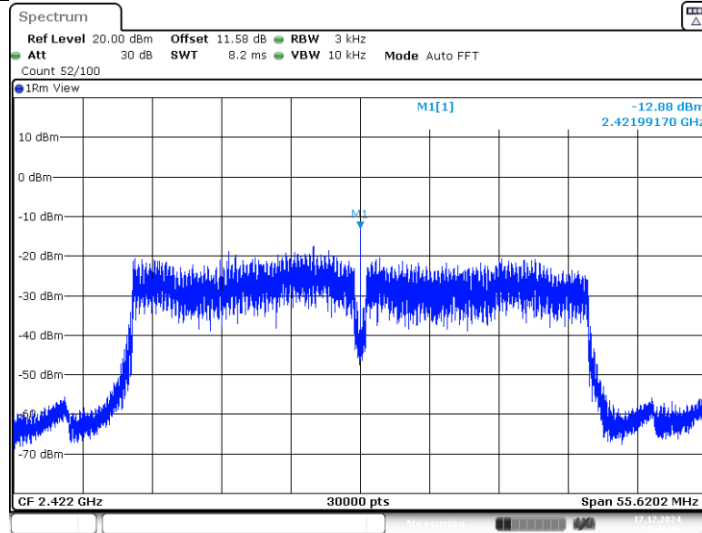
Date: 17.DEC.2024 19:52:56

11N20SISO_Ant1_2462



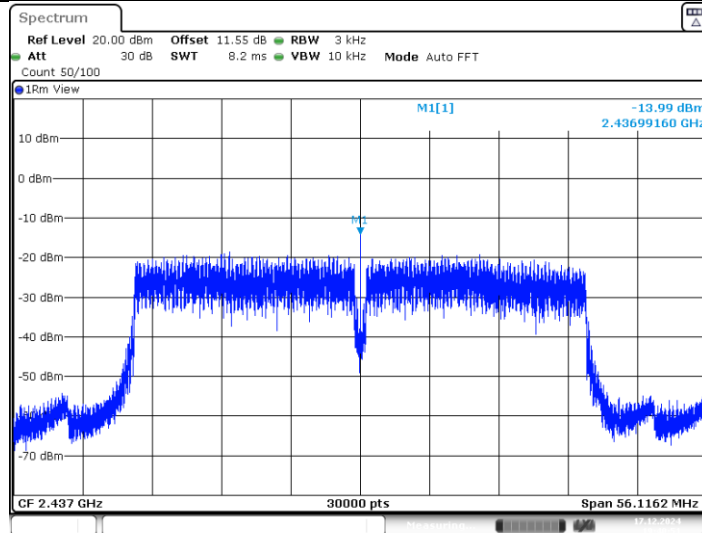
Date: 17.DEC.2024 19:50:48

11N40SISO_Ant1_2422



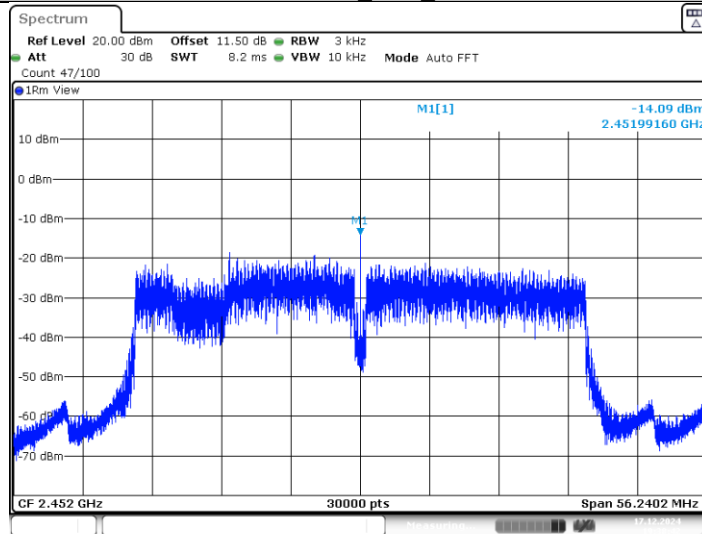
Date: 17.DEC.2024 19:46:46

11N40SISO_Ant1_2437



Date: 17.DEC.2024 19:40:51

11N40SISO_Ant1_2452

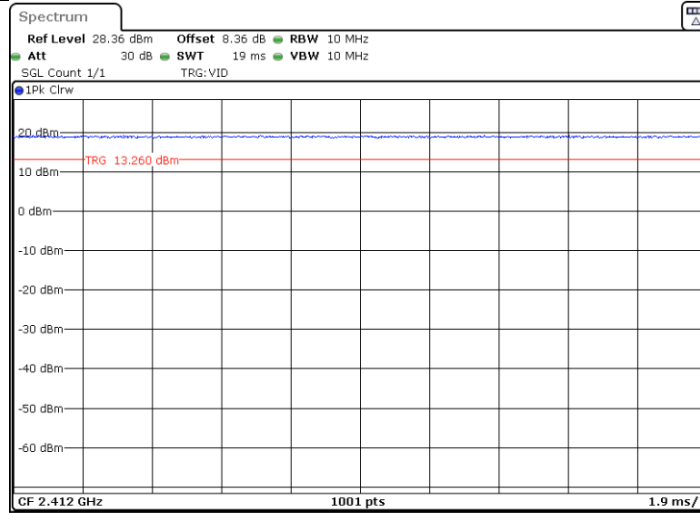


Date: 17.DEC.2024 19:38:42

APPENDIX I DUTY CYCLE

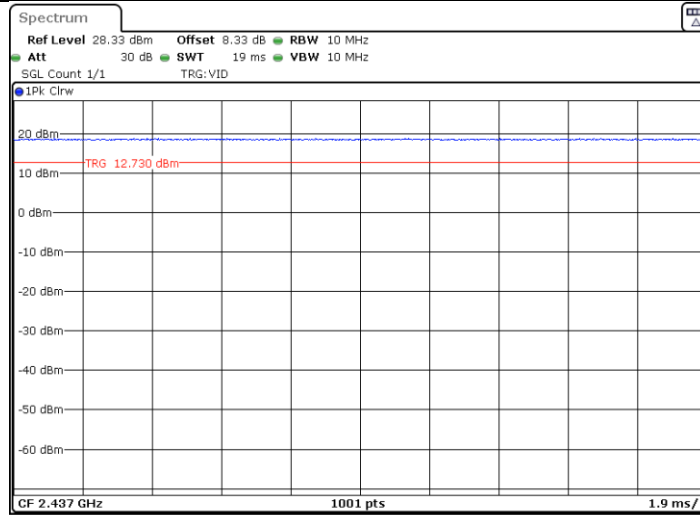
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Antenna Right	2412	19.00	19.00	100.00
		2437	19.00	19.00	100.00
		2462	19.00	19.00	100.00
11G	Antenna Right	2412	2.02	3.02	66.89
		2437	2.03	3.03	67.00
		2462	2.02	3.02	66.89
11N20SISO	Antenna Right	2412	1.89	2.89	65.40
		2437	1.89	2.89	65.40
		2462	1.89	2.89	65.40
11N40SISO	Antenna Right	2422	0.93	1.93	48.19
		2437	0.93	1.94	47.94
		2452	0.93	1.93	48.19

11B_Ant1_2412



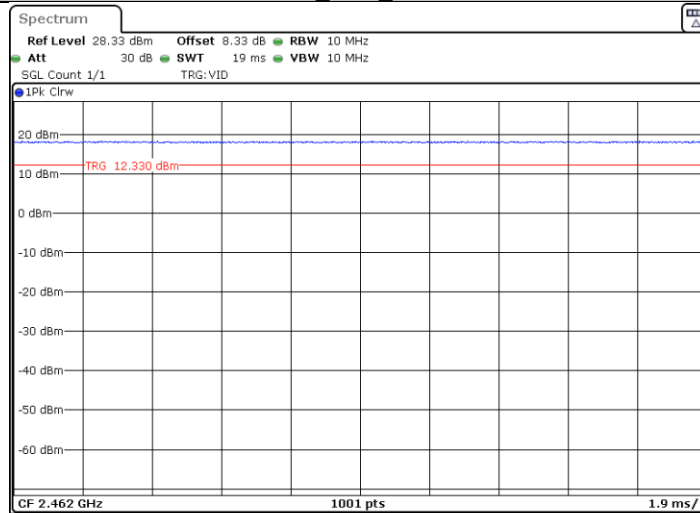
Date: 22.JAN.2025 10:13:27

11B_Ant1_2437



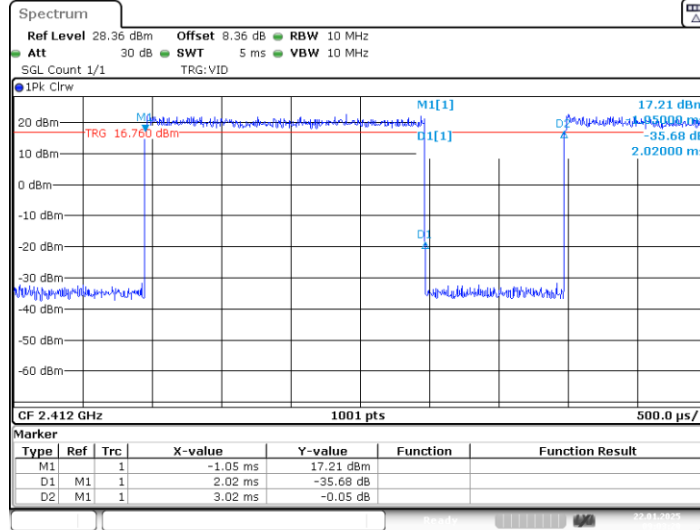
Date: 21.JAN.2025 14:28:57

11B_Ant1_2462

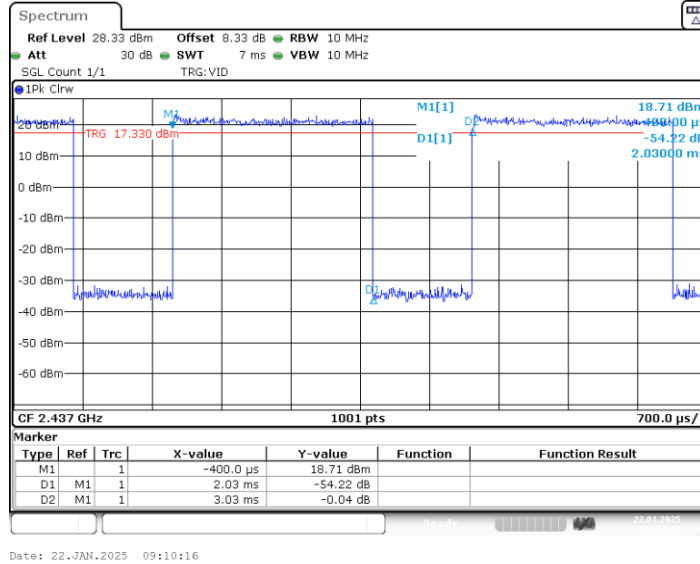


Date: 21.JAN.2025 14:24:52

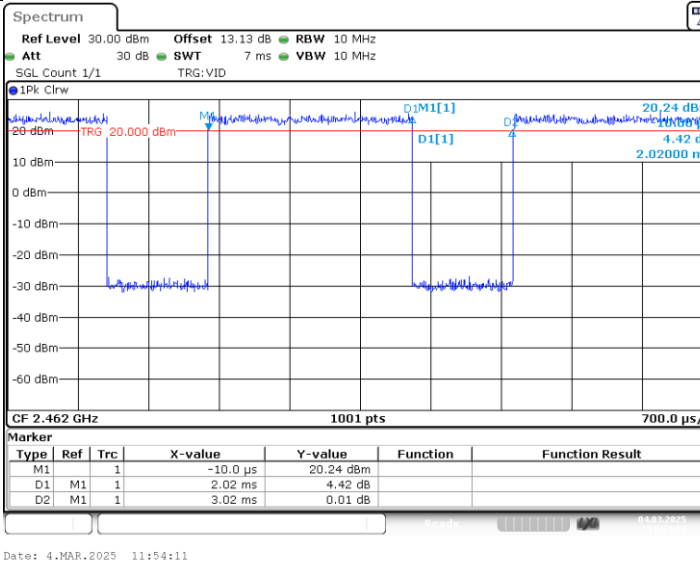
11G_Ant1_2412



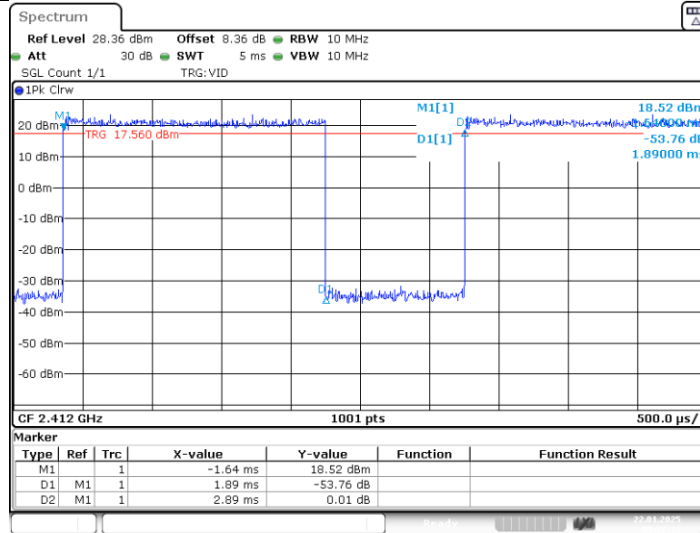
11G_Ant1_2437



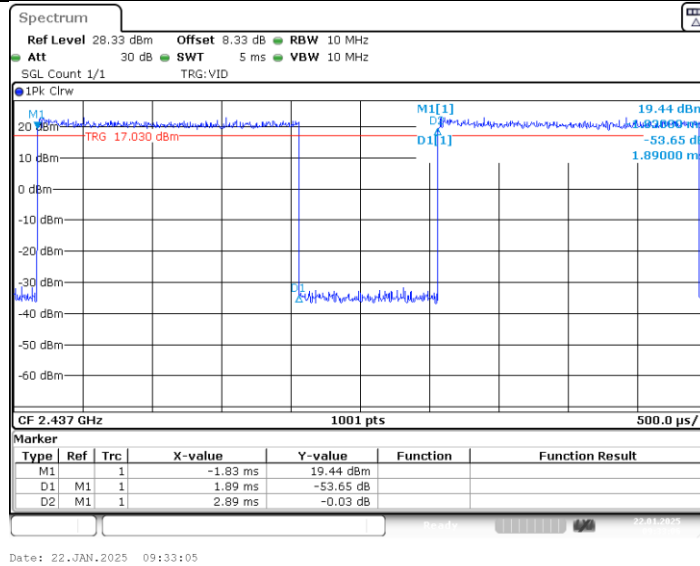
11G_Ant1_2462



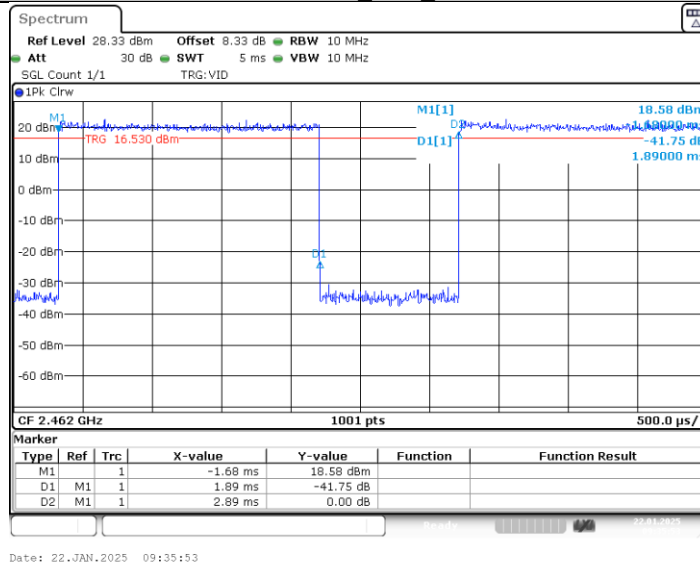
11N20SISO_Ant1_2412



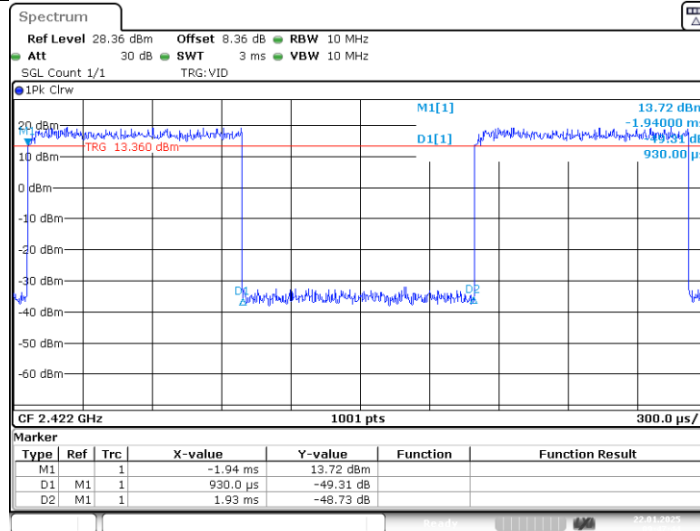
11N20SISO_Ant1_2437



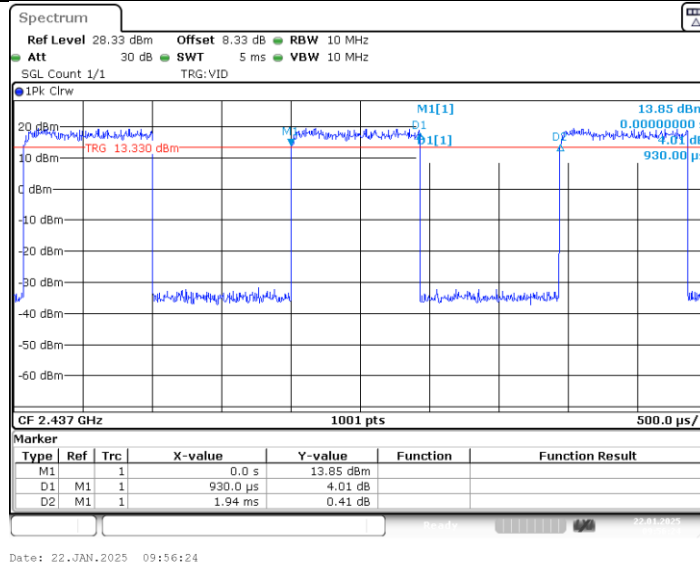
11N20SISO_Ant1_2462



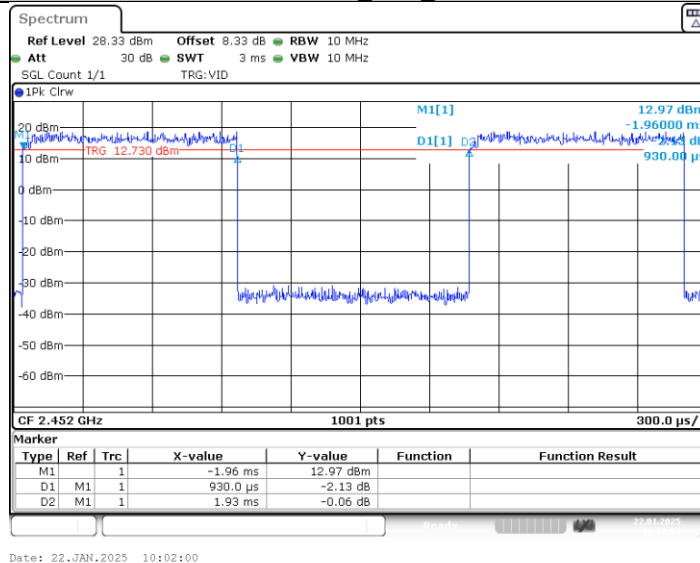
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

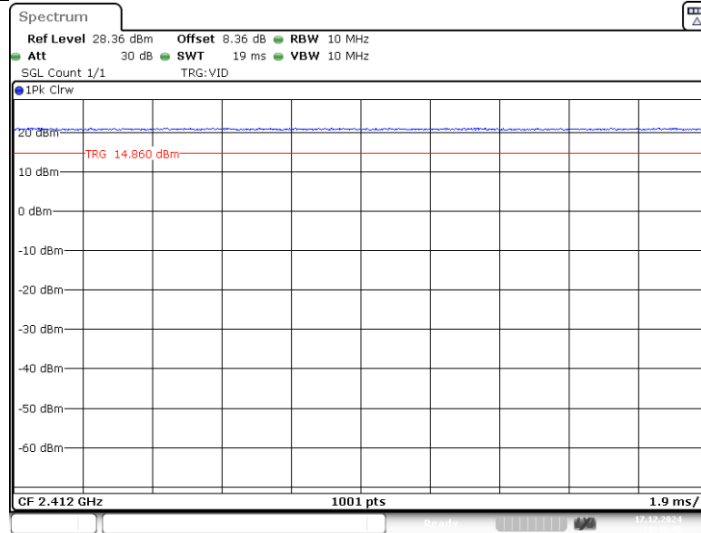


11N40SISO_Ant1_2452



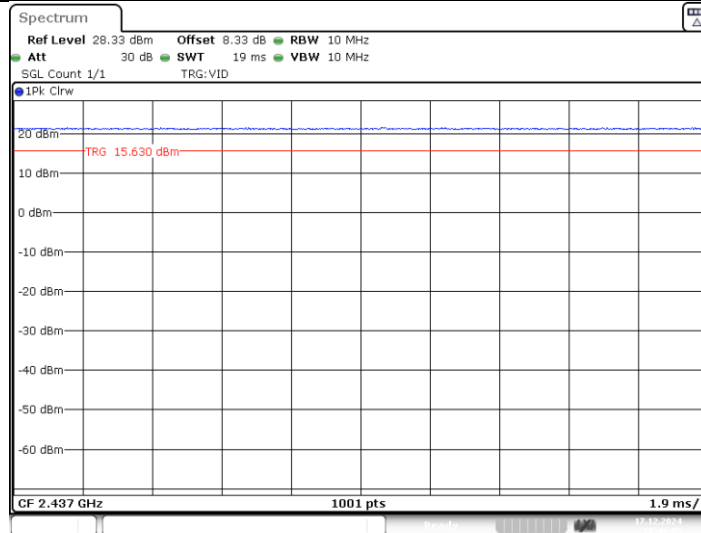
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Antenna Left	2412	19.00	19.00	100.00
		2437	19.00	19.00	100.00
		2462	19.00	19.00	100.00
11G	Antenna Left	2412	2.02	3.03	66.67
		2437	2.03	3.03	67.00
		2462	2.03	3.03	67.00
11N20SISO	Antenna Left	2412	1.88	2.89	65.05
		2437	1.89	2.89	65.40
		2462	1.89	2.90	65.17
11N40SISO	Antenna Left	2422	0.92	1.93	47.67
		2437	0.92	1.93	47.67
		2452	0.93	1.93	48.19

11B_Ant1_2412



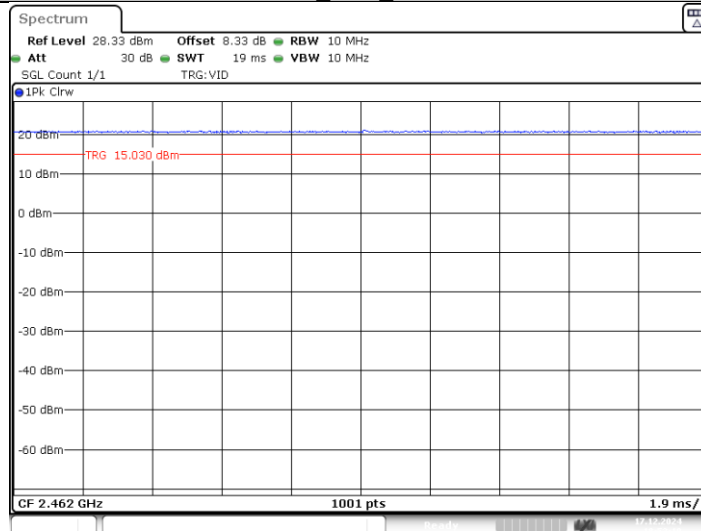
Date: 17.DEC.2024 18:40:42

11B_Ant1_2437



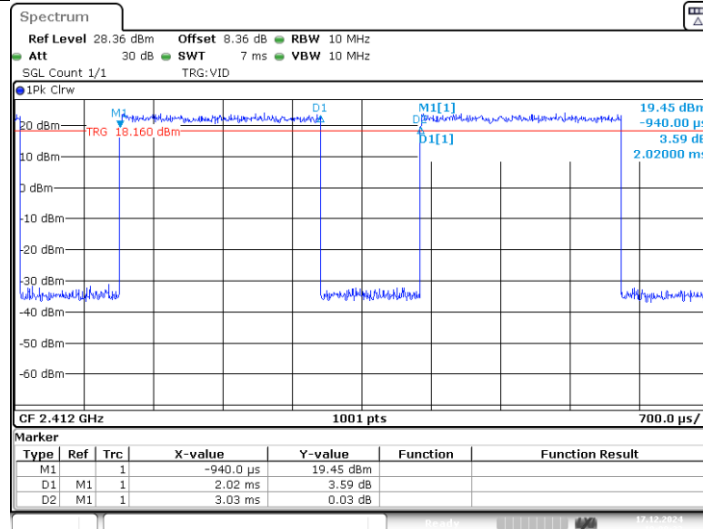
Date: 17.DEC.2024 18:49:05

11B_Ant1_2462



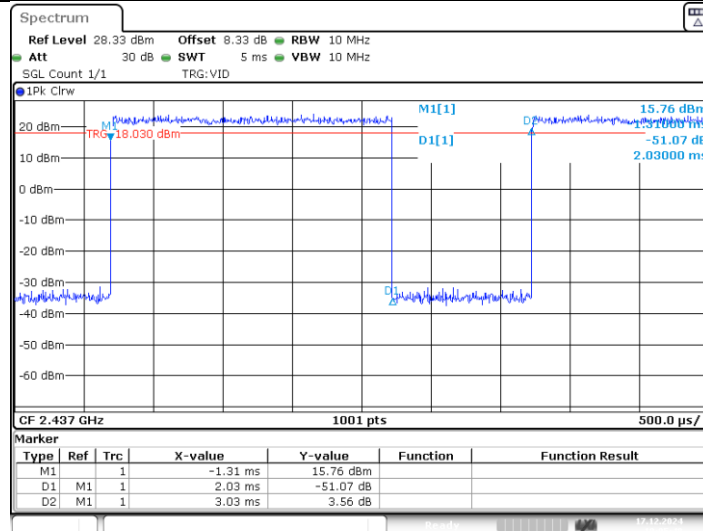
Date: 17.DEC.2024 18:53:18

11G_Ant1_2412



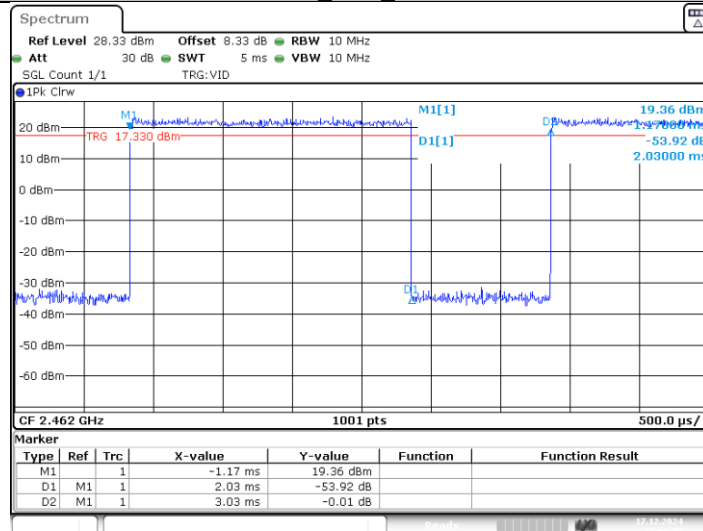
Date: 17.DEC.2024 19:00:32

11G_Ant1_2437



Date: 17.DEC.2024 19:05:48

11G_Ant1_2462



Date: 17.DEC.2024 19:09:27