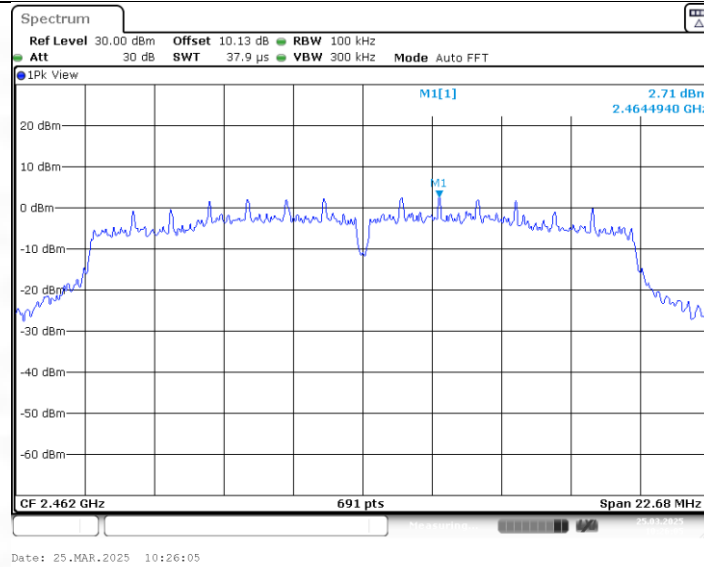
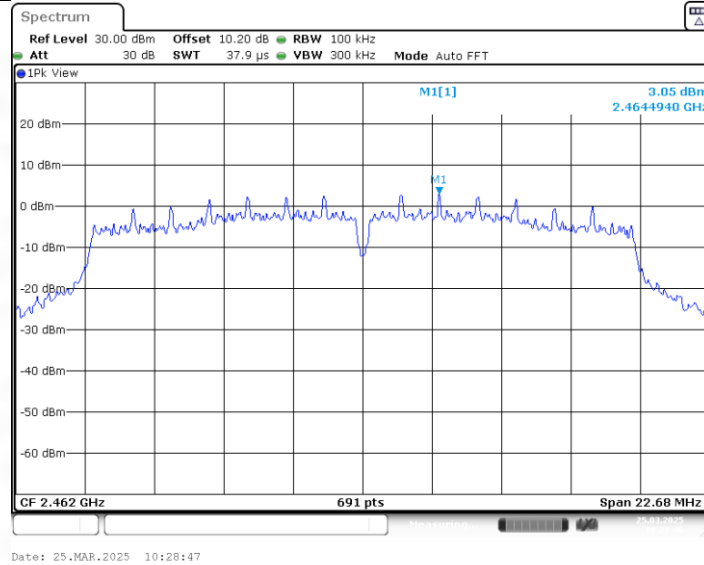
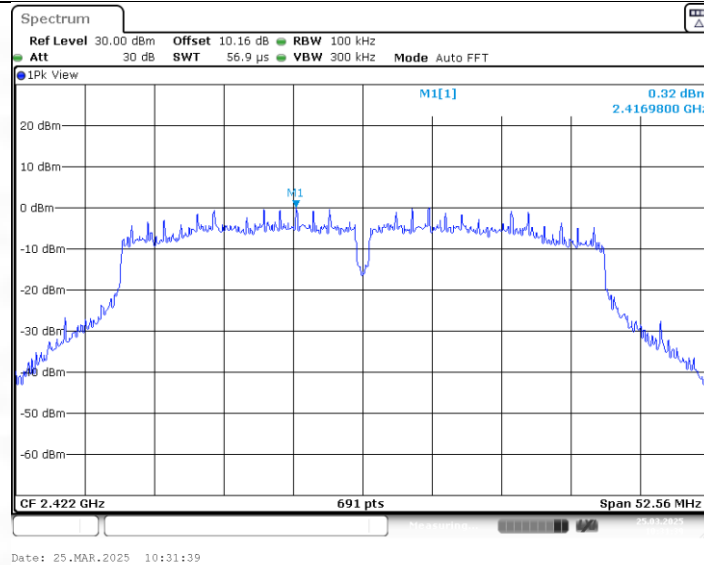




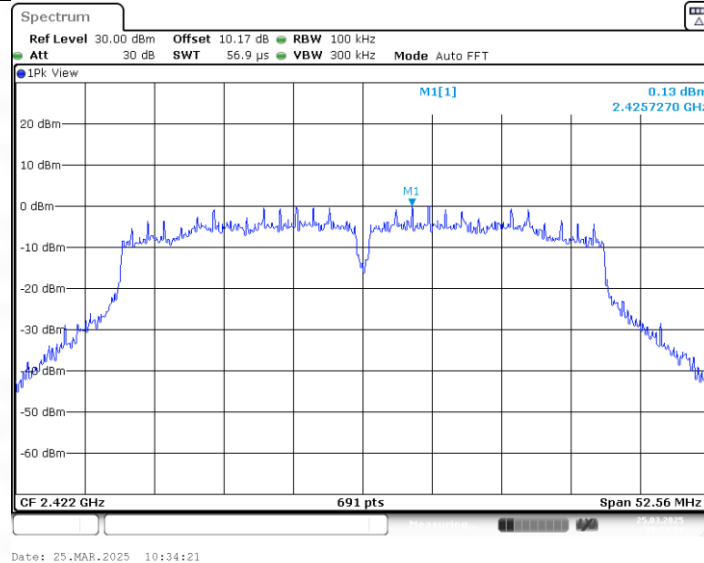
11N20MIMO Ant2 2462



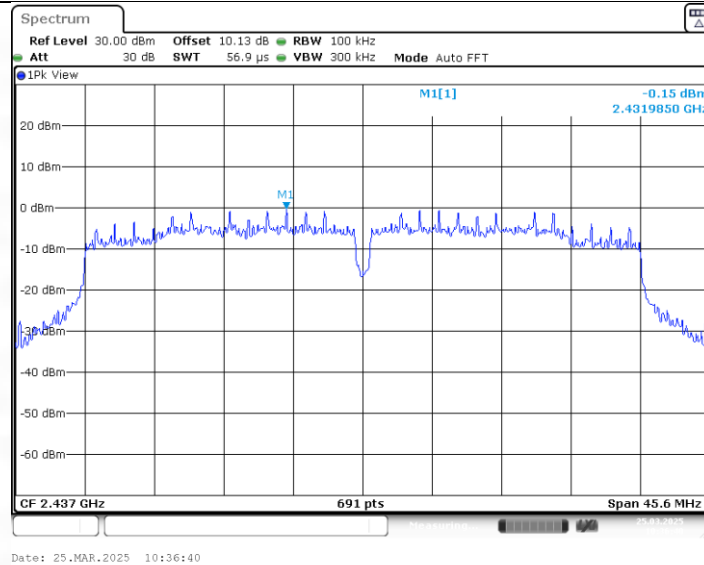
11N40MIMO Ant1 2422



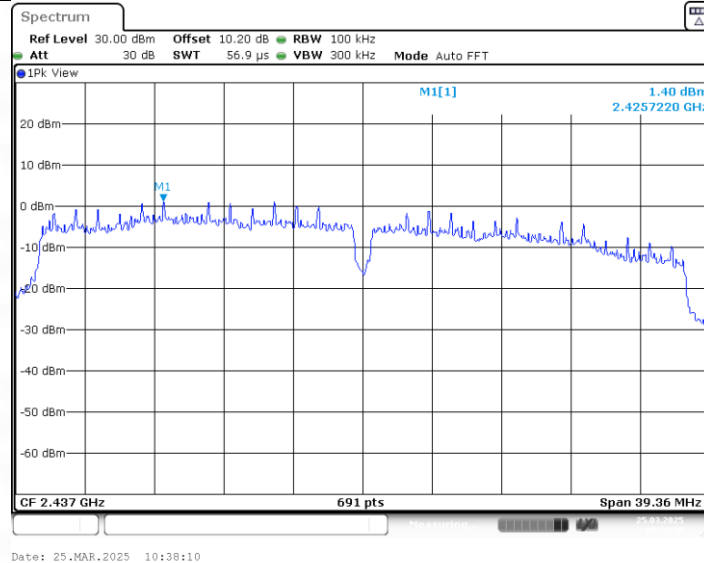
11N40MIMO Ant2 2422



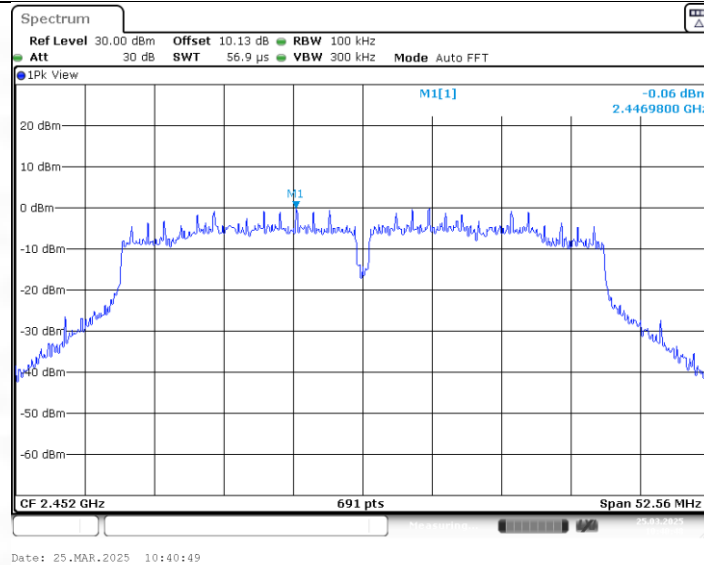
11N40MIMO Ant1 2437



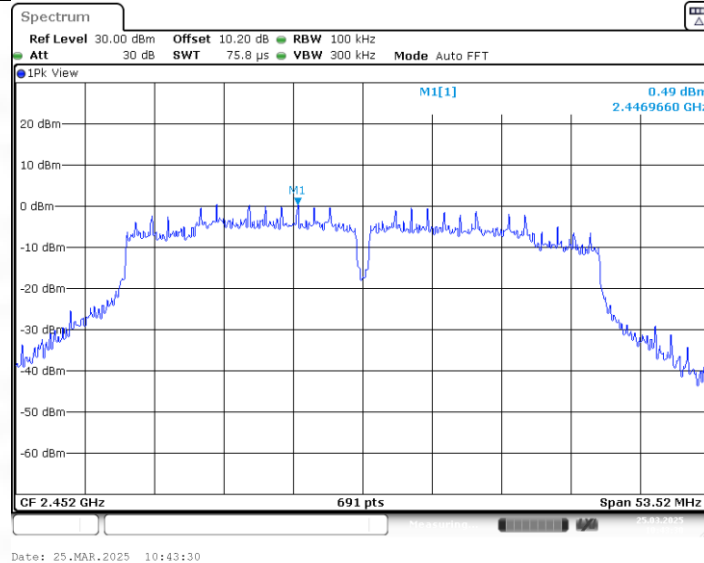
11N40MIMO Ant2 2437



11N40MIMO Ant1 2452



11N40MIMO Ant2 2452

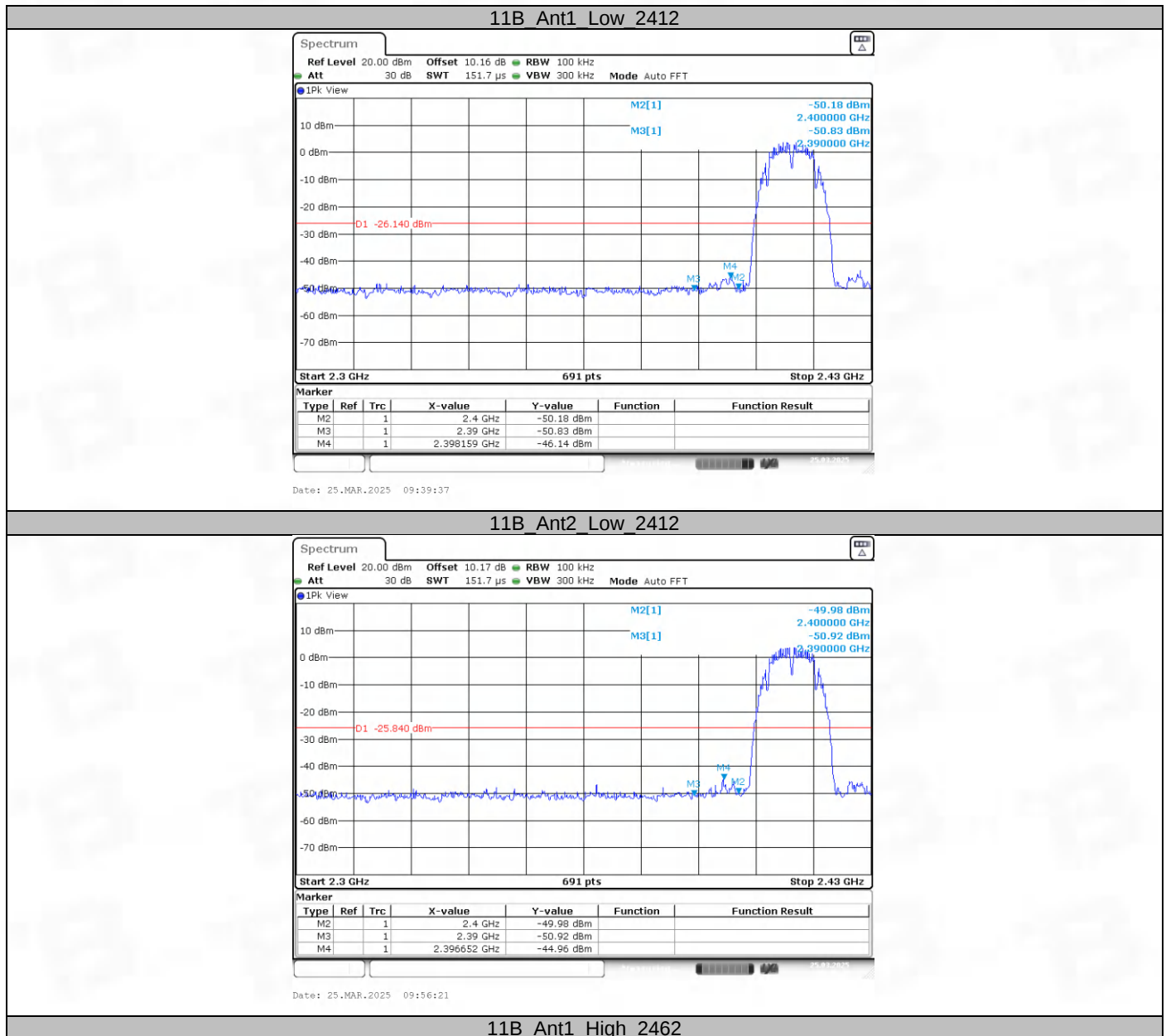


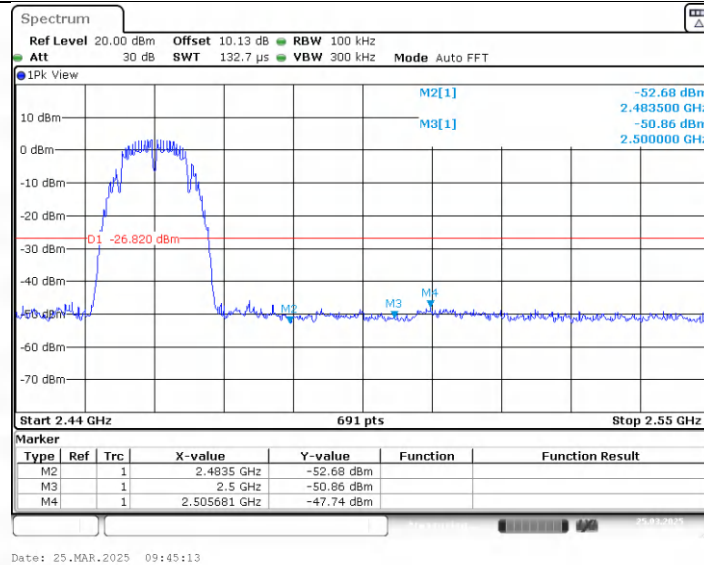
1.6 Appendix F: Band edge measurements

1.6.1 Test Result

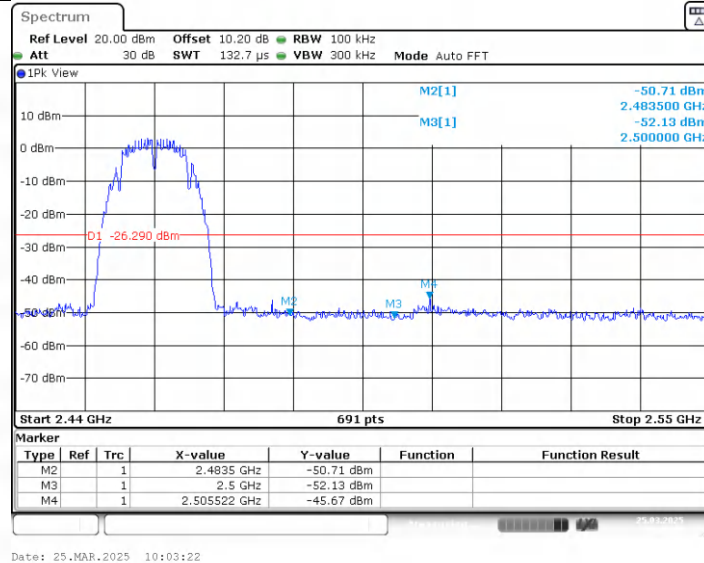
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.86	-46.14	≤ -26.14	PASS
	Ant2	Low	2412	4.16	-44.96	≤ -25.84	PASS
	Ant1	High	2462	3.18	-47.74	≤ -26.82	PASS
	Ant2	High	2462	3.71	-45.67	≤ -26.29	PASS
11G	Ant1	Low	2412	1.98	-31.24	≤ -28.02	PASS
	Ant2	Low	2412	2.23	-29.28	≤ -27.77	PASS
	Ant1	High	2462	2.72	-46.61	≤ -27.28	PASS
	Ant2	High	2462	2.89	-47.22	≤ -27.11	PASS
11N20MIMO	Ant1	Low	2412	1.82	-29.8	≤ -28.18	PASS
	Ant2	Low	2412	2.14	-29.77	≤ -27.86	PASS
	Ant1	High	2462	2.71	-47.72	≤ -27.29	PASS
	Ant2	High	2462	3.05	-47.76	≤ -26.95	PASS
11N40MIMO	Ant1	Low	2422	0.32	-33.81	≤ -29.68	PASS
	Ant2	Low	2422	0.13	-29.98	≤ -29.87	PASS
	Ant1	High	2452	-0.06	-44.3	≤ -30.06	PASS
	Ant2	High	2452	0.49	-37.64	≤ -29.51	PASS

1.6.2 Test Graphs

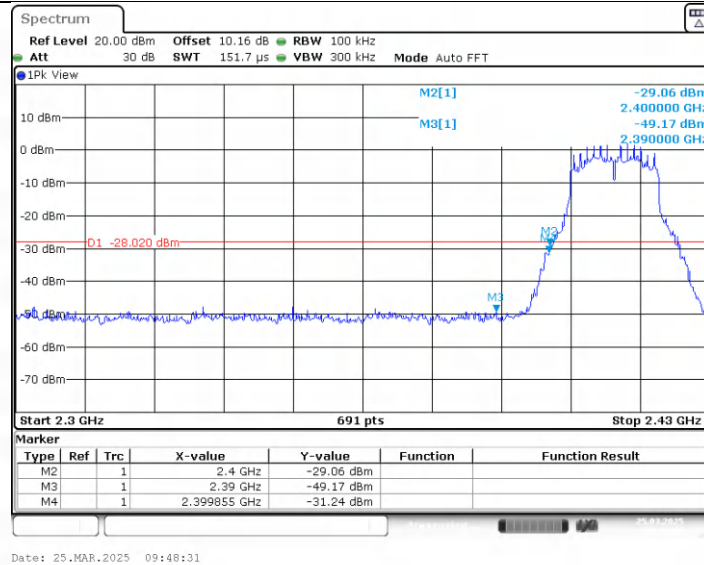




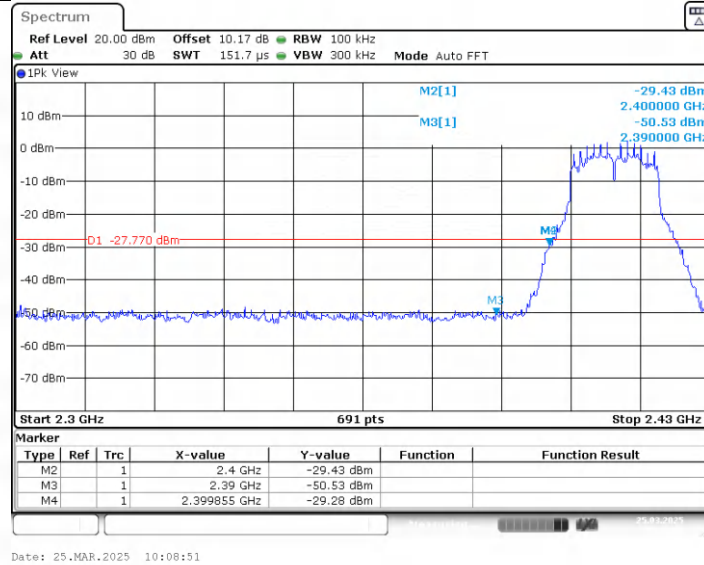
11B Ant2 High 2462



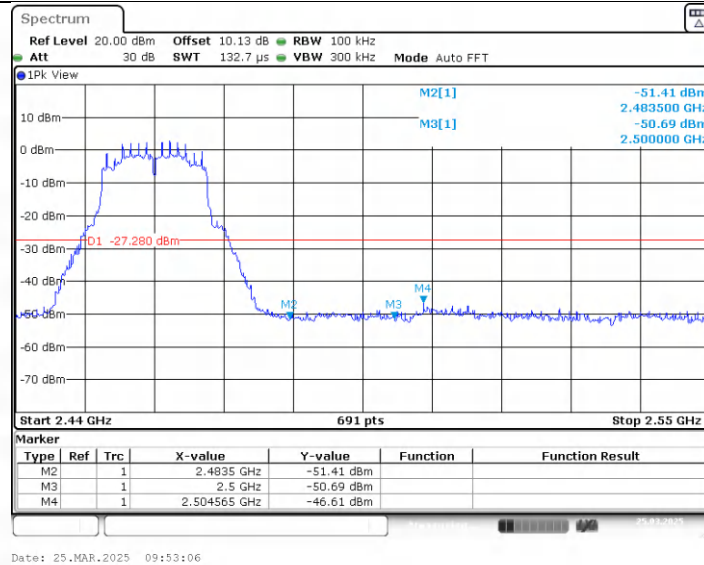
11G Ant1 Low 2412



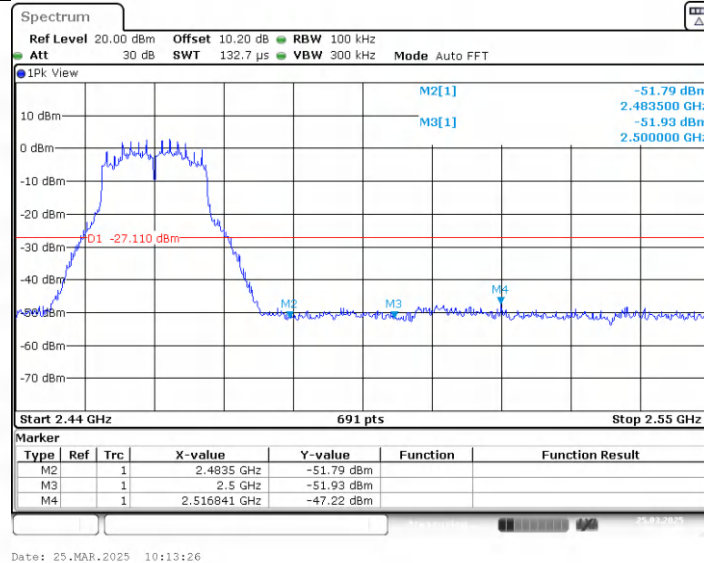
11G Ant2 Low 2412



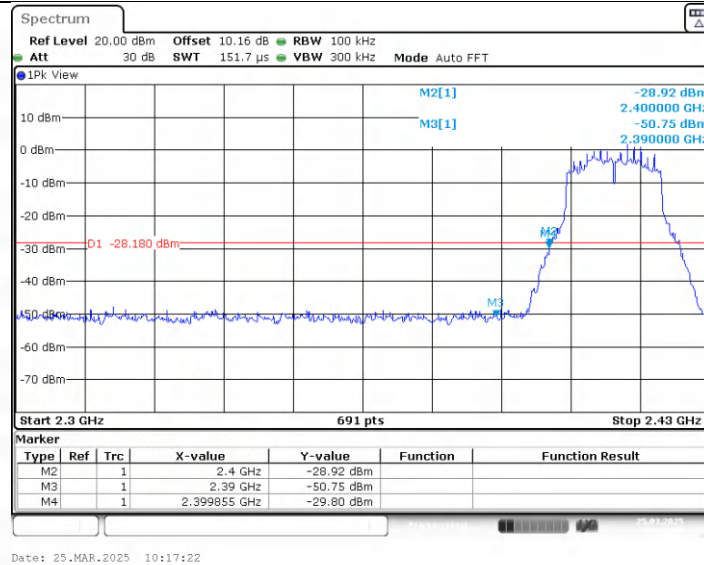
11G Ant1 High 2462



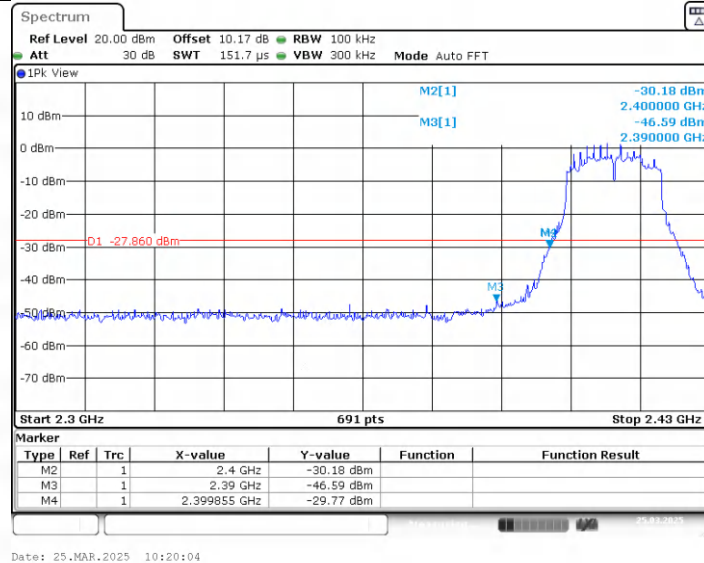
11G Ant2 High 2462



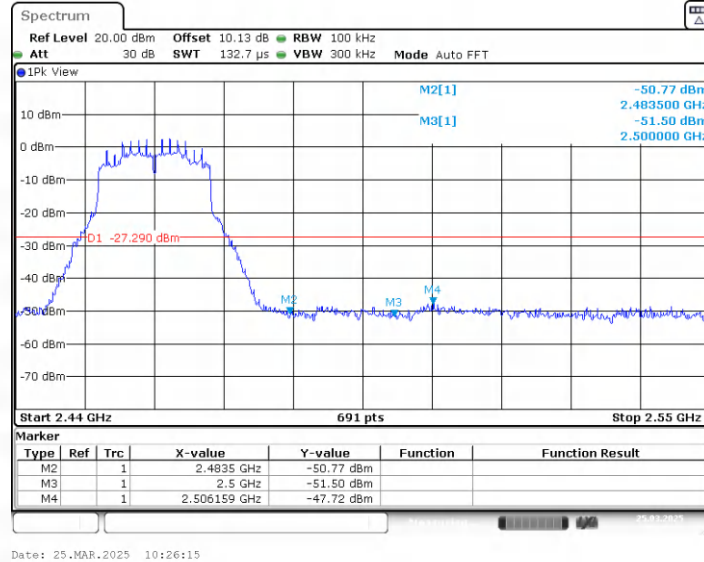
11N20MIMO Ant1 Low 2412



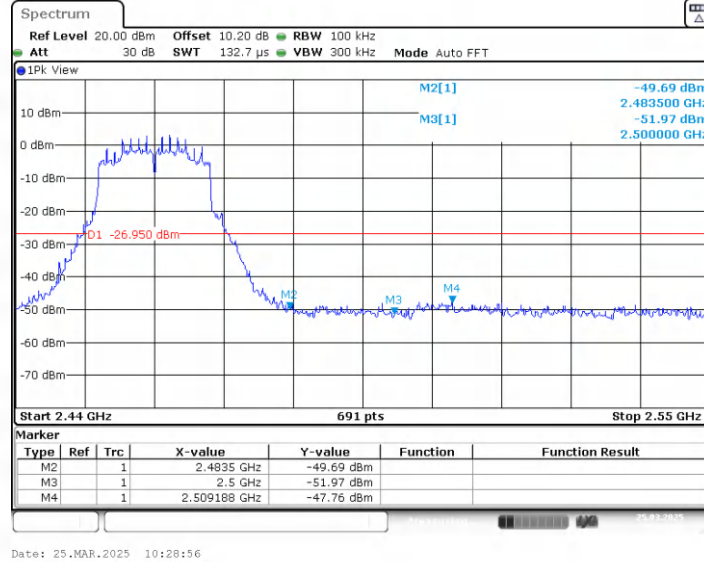
11N20MIMO_Ant2_Low_2412



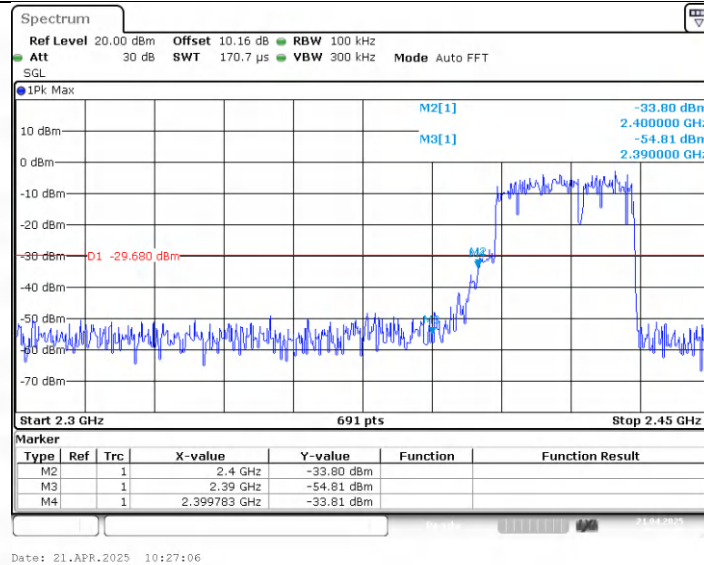
11N20MIMO_Ant1_High_2462



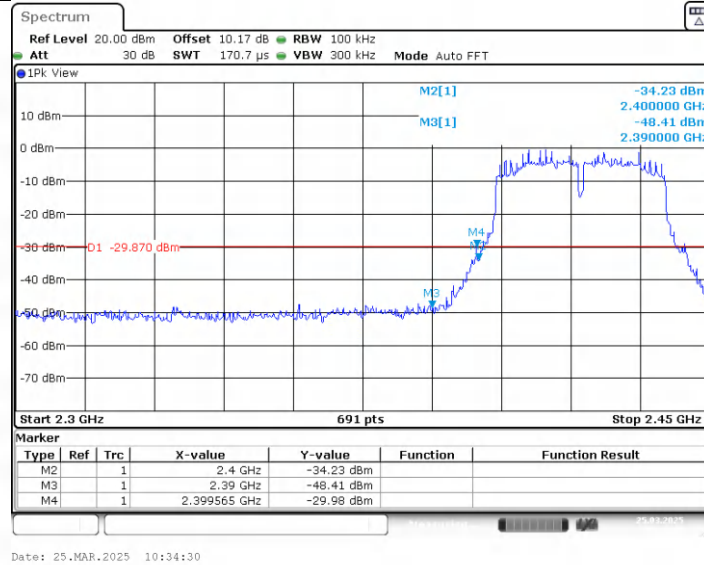
11N20MIMO Ant2 High 2462



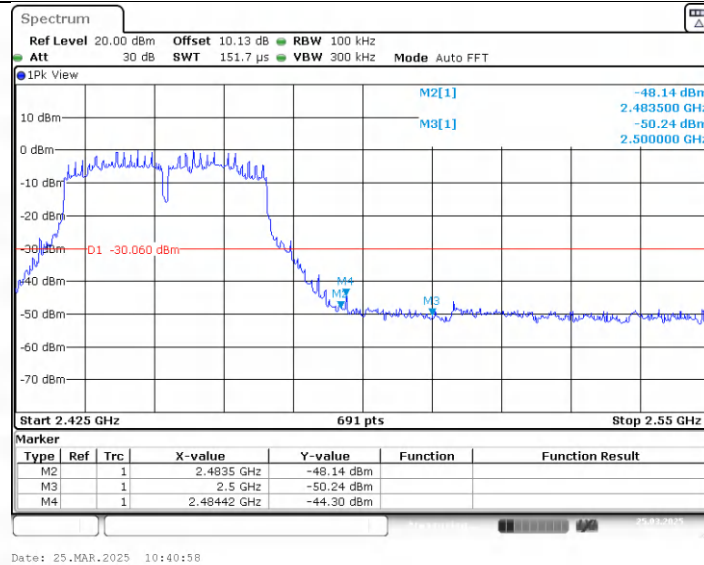
11N40MIMO Ant1 Low 2422



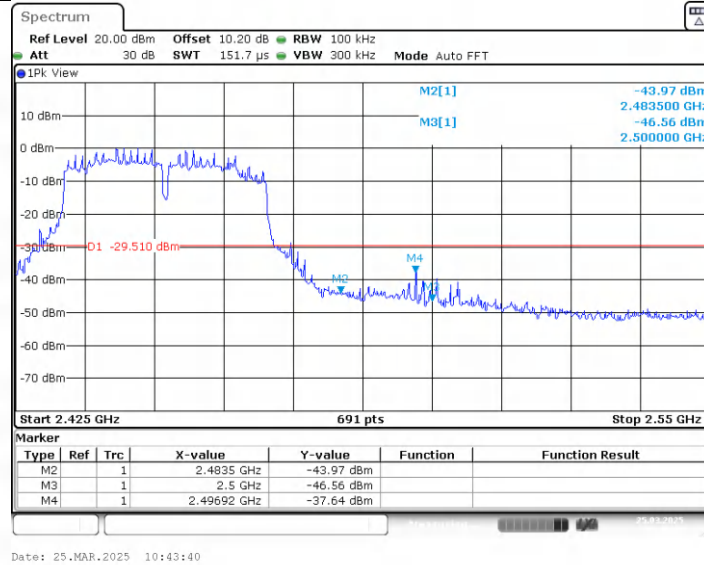
11N40MIMO_Ant2_Low_2422



11N40MIMO_Ant1_High_2452



11N40MIMO Ant2 High 2452



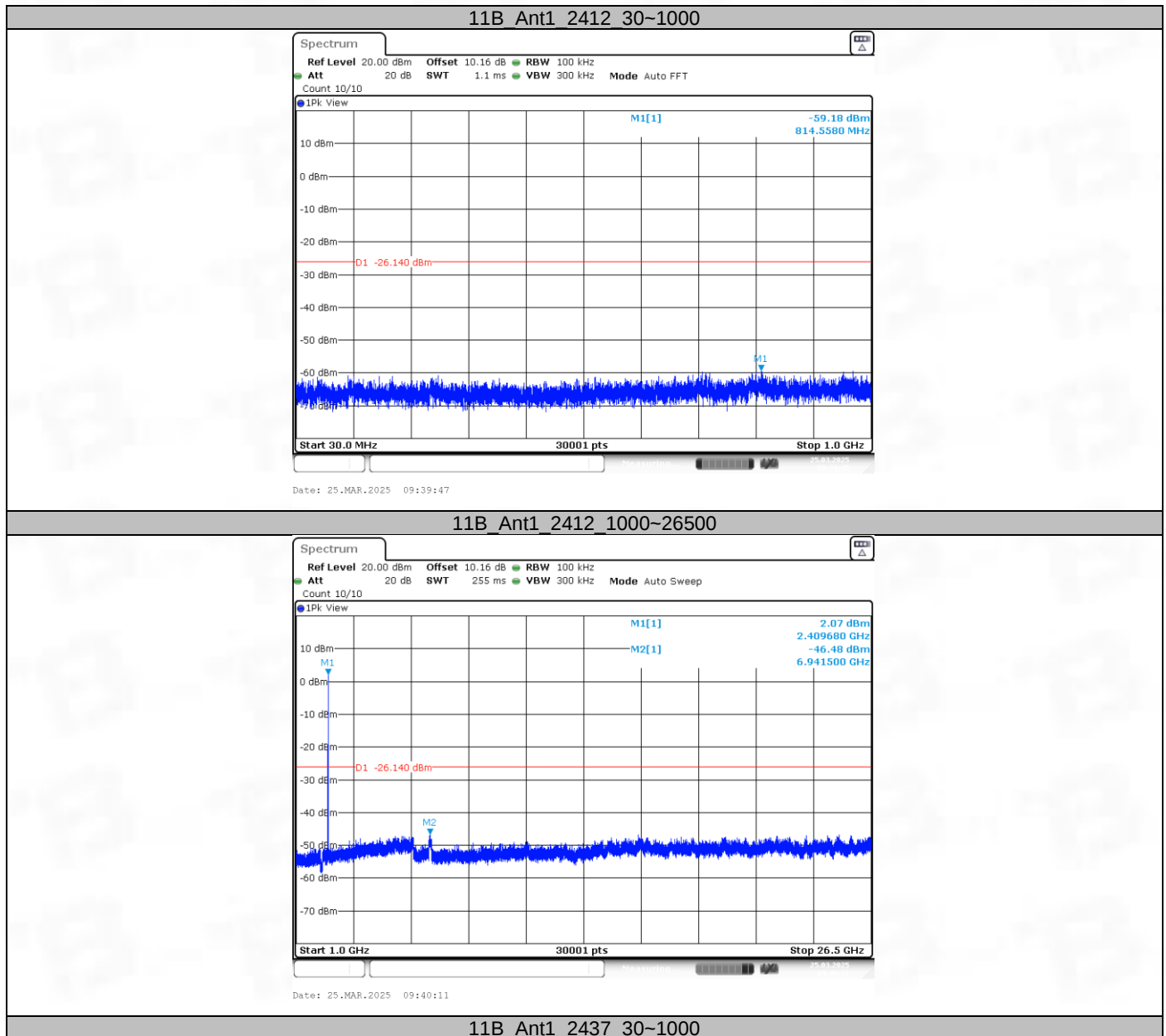
1.7 Appendix G: Conducted Spurious Emission

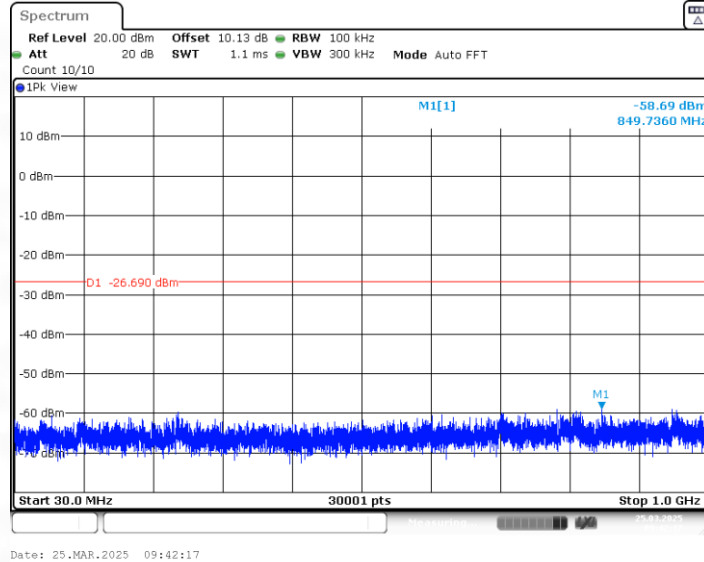
1.7.1 Test Result

All ant had been tested only show the worst mode ant1

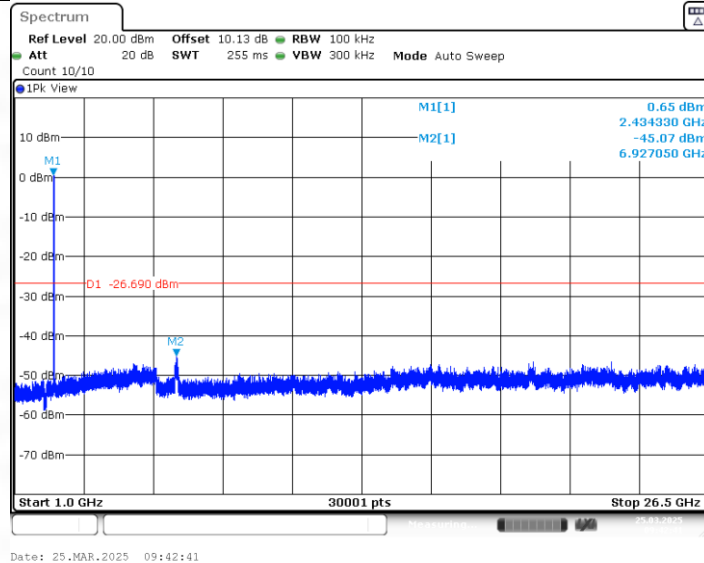
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	3.86	-59.18	≤-26.14	PASS
			1000~26500	3.86	-46.48	≤-26.14	PASS
	Ant1	2437	30~1000	3.31	-58.69	≤-26.69	PASS
			1000~26500	3.31	-45.07	≤-26.69	PASS
	Ant1	2462	30~1000	3.18	-58.97	≤-26.82	PASS
			1000~26500	3.18	-45.91	≤-26.82	PASS
11G	Ant1	2412	30~1000	1.98	-58.72	≤-28.02	PASS
			1000~26500	1.98	-46.62	≤-28.02	PASS
	Ant1	2437	30~1000	2.65	-58.7	≤-27.35	PASS
			1000~26500	2.65	-46.18	≤-27.35	PASS
			1000~26500	2.70	-46.35	≤-27.3	PASS
	Ant1	2462	30~1000	2.72	-57.64	≤-27.28	PASS
			1000~26500	2.72	-46.08	≤-27.28	PASS
			1000~26500	2.89	-46.33	≤-27.11	PASS
			1000~26500	2.89	-46.33	≤-27.11	PASS
11N20	Ant1	2412	30~1000	1.82	-59.23	≤-28.18	PASS
			1000~26500	1.82	-46.42	≤-28.18	PASS
			1000~26500	2.14	-46.35	≤-27.86	PASS
	Ant1	2437	30~1000	2.60	-59.07	≤-27.4	PASS
			1000~26500	2.60	-45.02	≤-27.4	PASS
			1000~26500	2.70	-46.26	≤-27.3	PASS
	Ant1	2462	30~1000	2.71	-59.39	≤-27.29	PASS
			1000~26500	2.71	-46.13	≤-27.29	PASS
			1000~26500	3.05	-45.85	≤-26.95	PASS
11N40MIMO	Ant1	2422	30~1000	0.32	-58.66	≤-29.68	PASS
			1000~26500	0.32	-46.59	≤-29.68	PASS
			1000~26500	0.13	-46.05	≤-29.87	PASS
	Ant1	2437	30~1000	-0.15	-59.06	≤-30.15	PASS
			1000~26500	-0.15	-45.59	≤-30.15	PASS
	Ant1	2452	30~1000	-0.06	-58.88	≤-30.06	PASS
			1000~26500	-0.06	-45.63	≤-30.06	PASS

1.7.2 Test Graphs

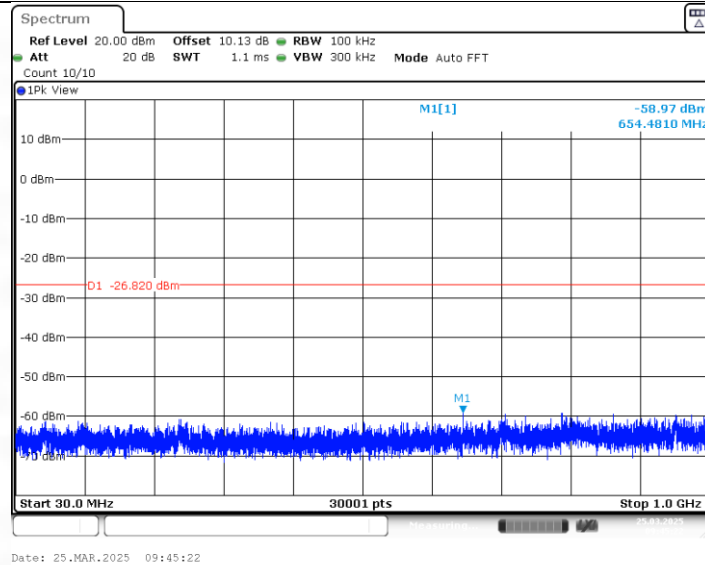




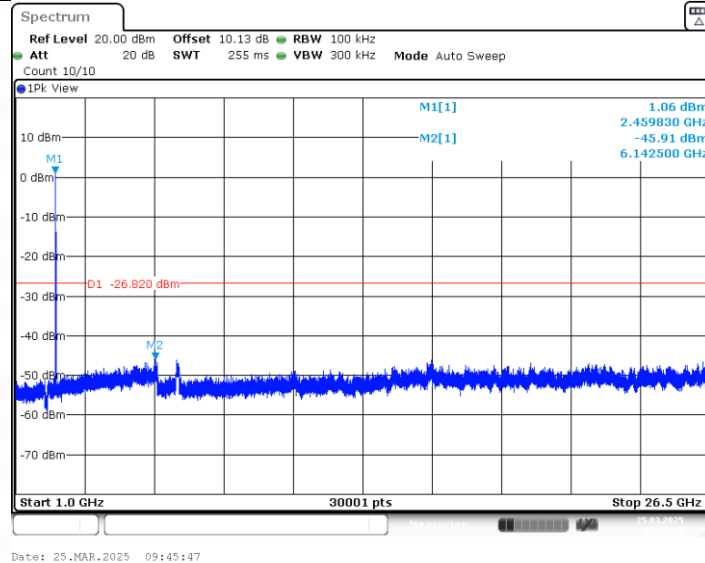
11B_Ant1_2437_1000~26500



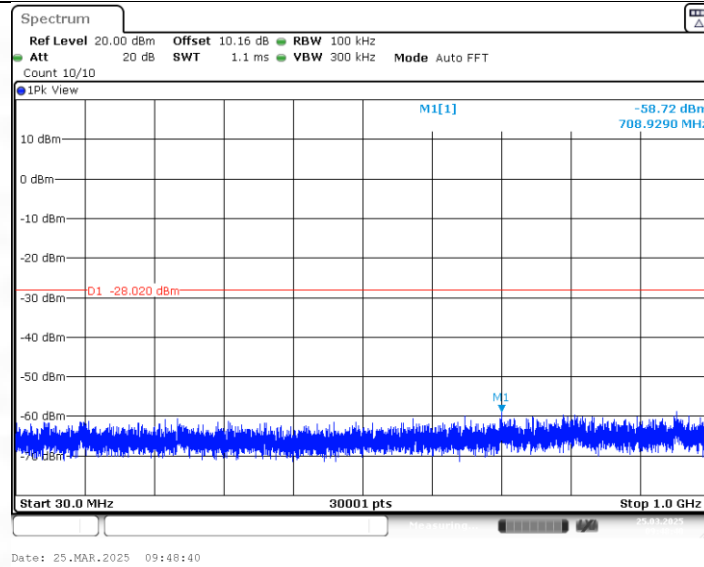
11B_Ant1_2462_30~1000



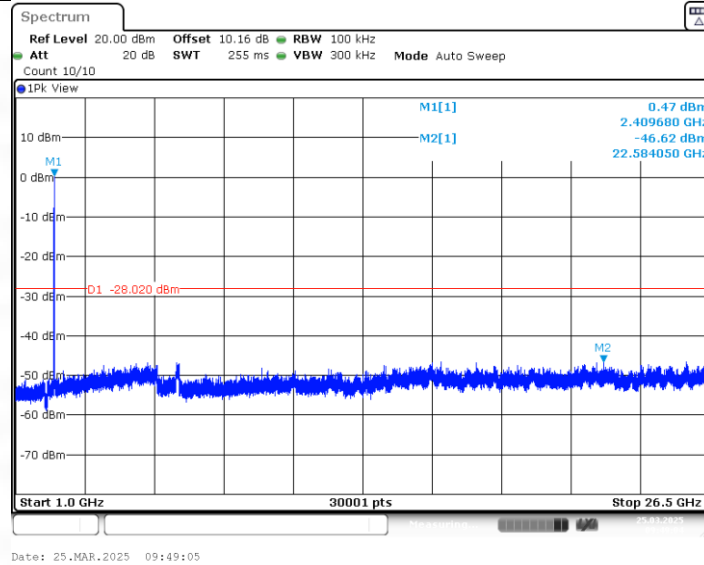
11B Ant1 2462 1000~26500



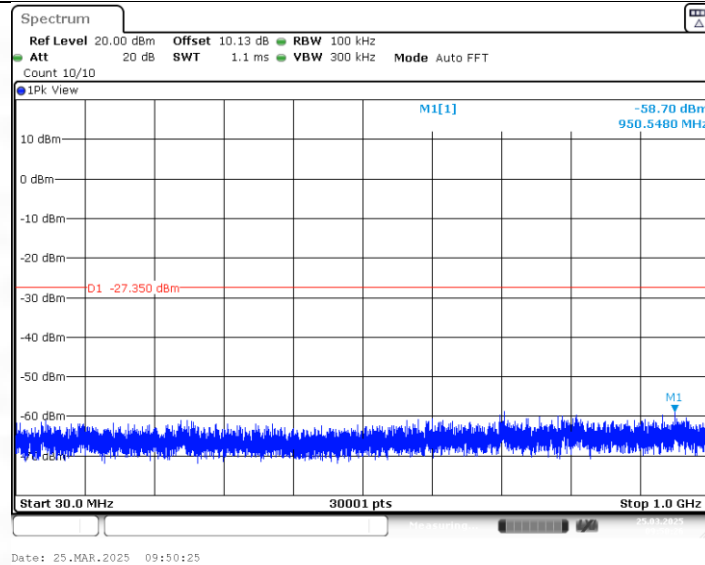
11G Ant1 2412 30~1000



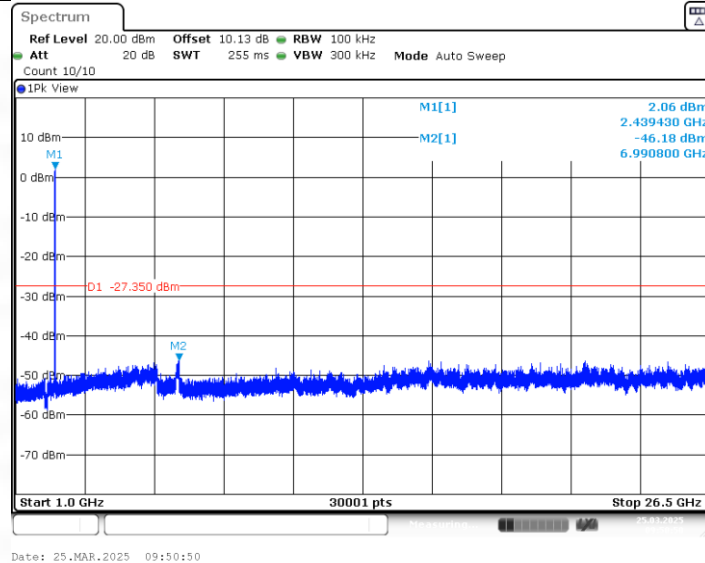
11G Ant1 2412 1000~26500



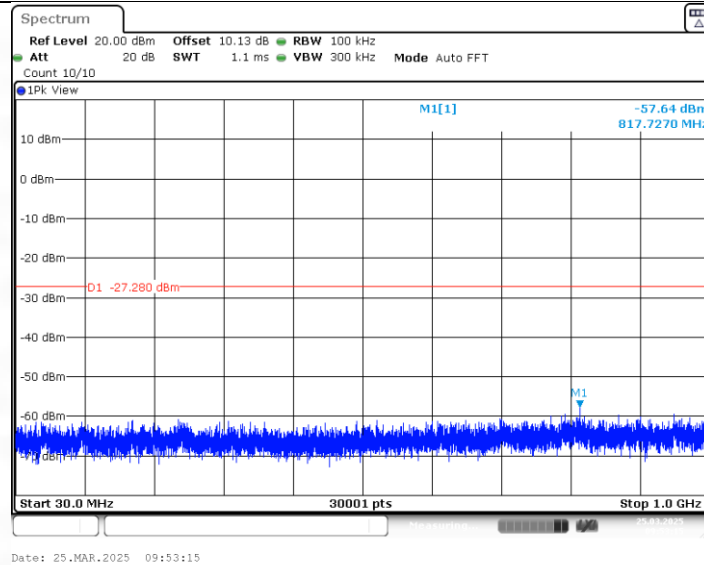
11G Ant1 2437 30~1000



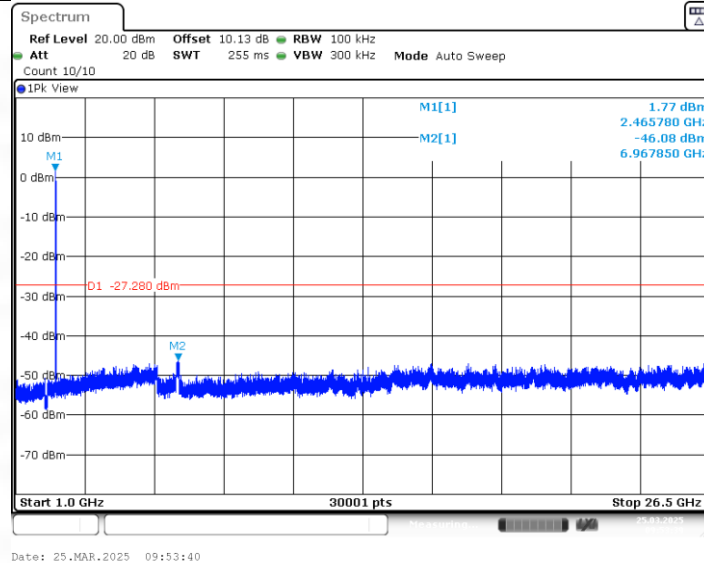
11G Ant1 2437 1000~26500



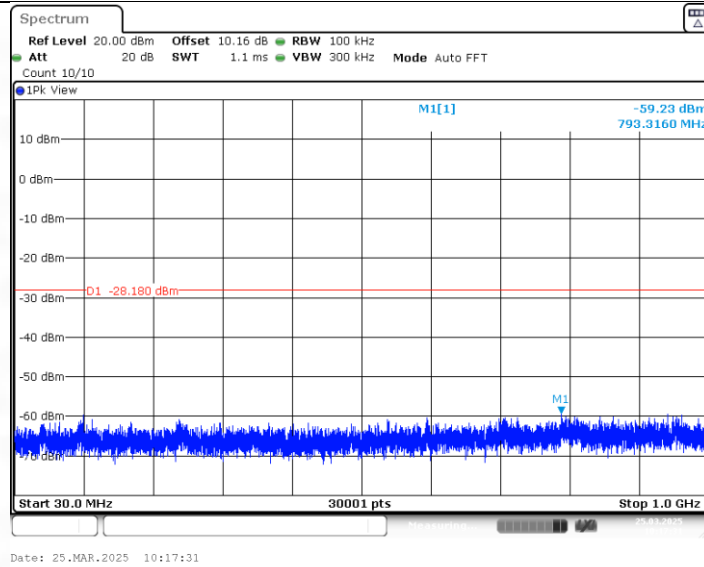
11G Ant1 2462 30~1000



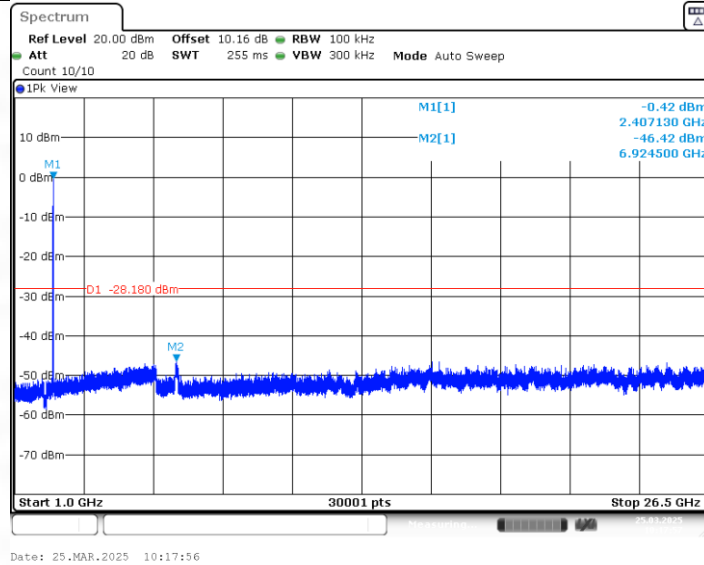
11G Ant1 2462 1000~26500



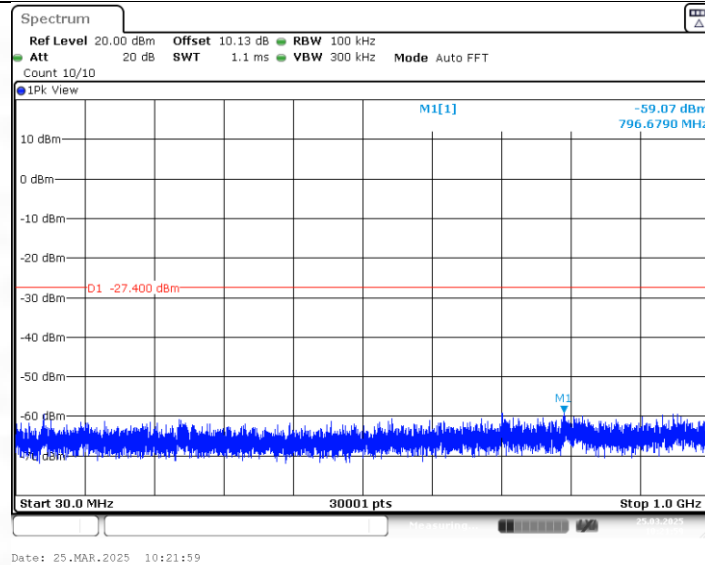
11N20MIMO Ant1 2412 30~1000



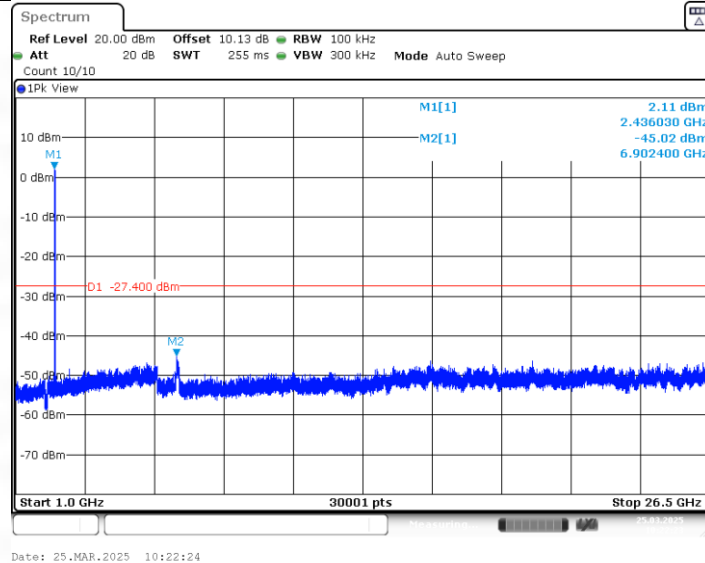
11N20MIMO Ant1 2412 1000~26500



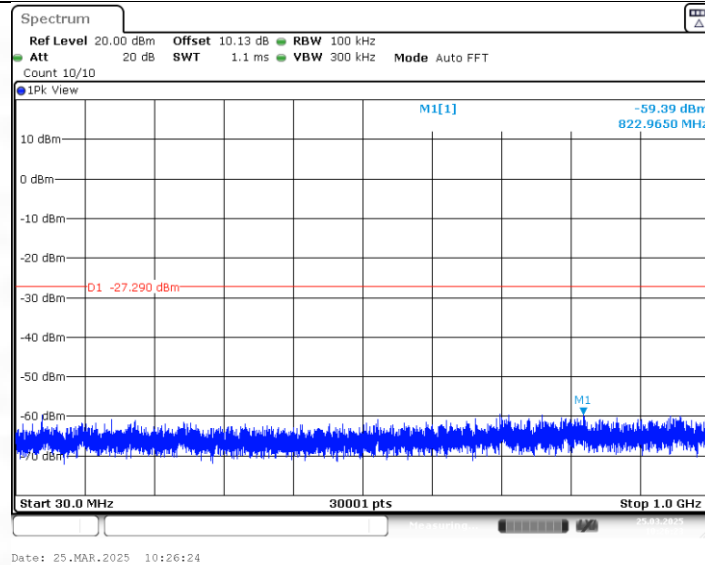
11N20MIMO Ant1 2437 30~1000



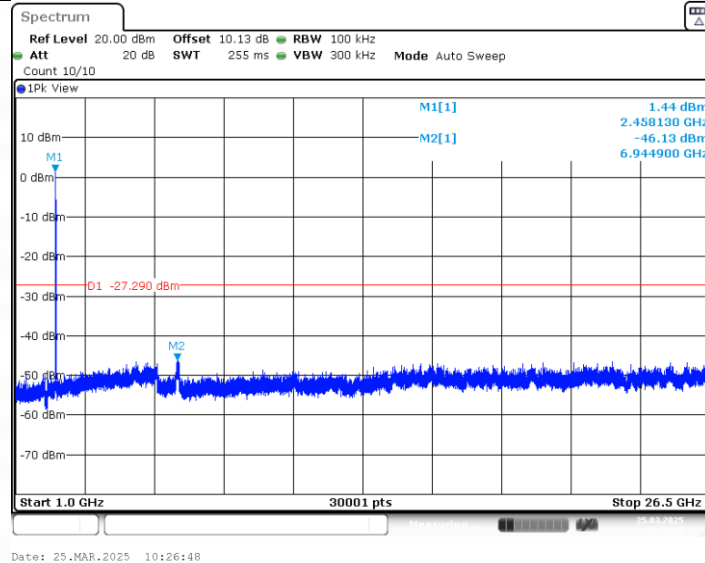
11N20MIMO Ant1 2437 1000~26500



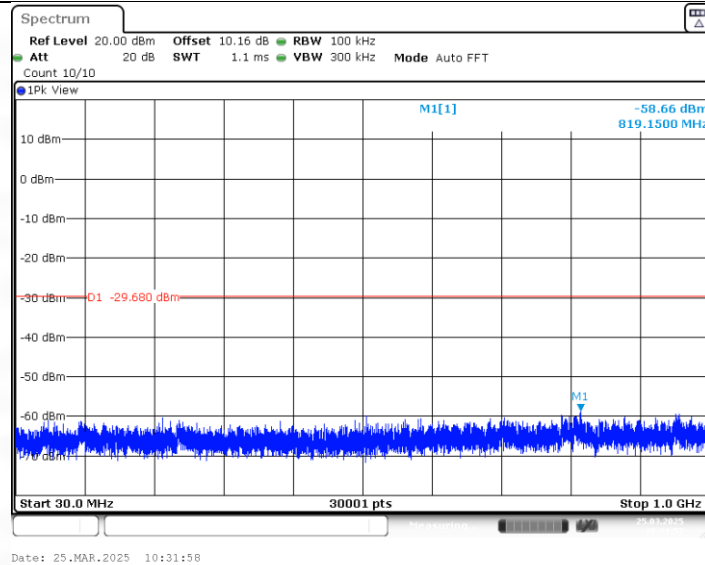
11N20MIMO Ant1 2462 30~1000



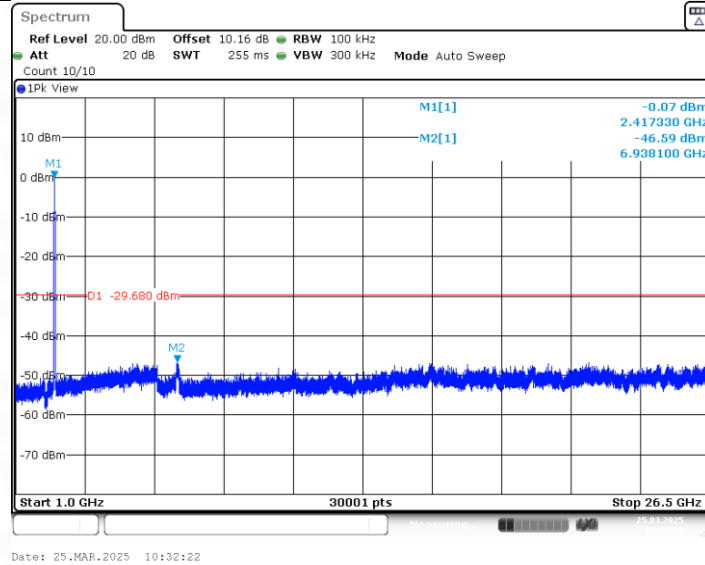
11N20MIMO Ant1 2462 1000~26500



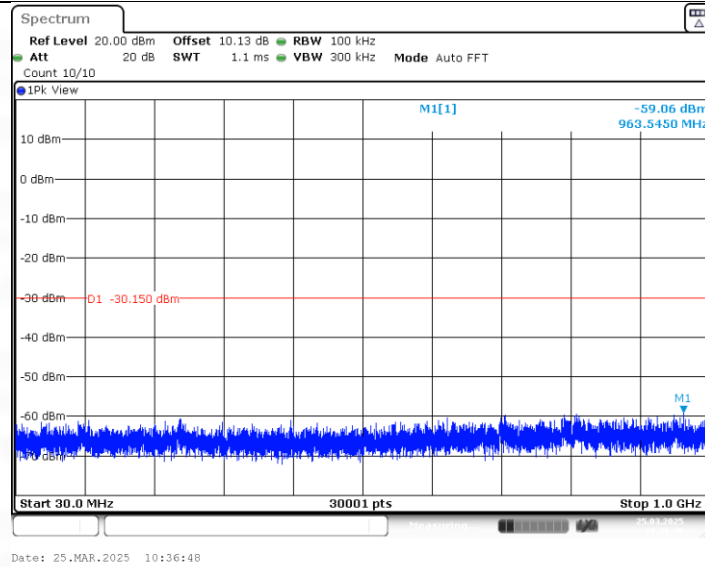
11N40MIMO Ant1 2422 30~1000



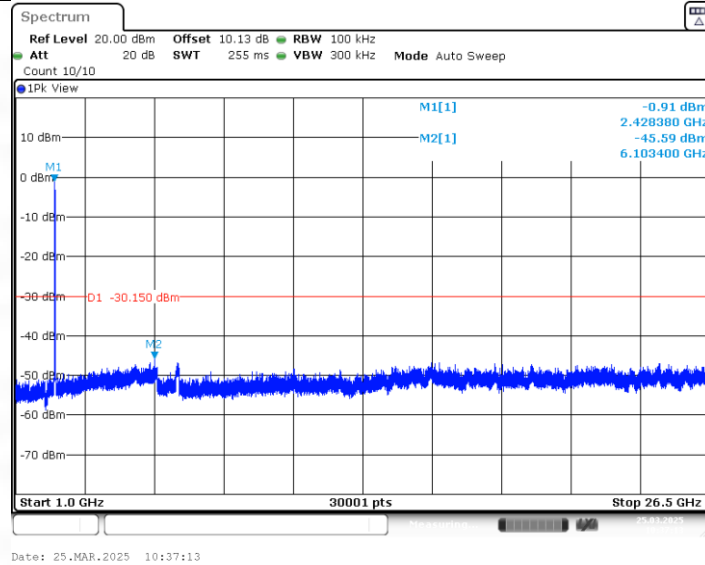
11N40MIMO Ant1 2422 1000~26500



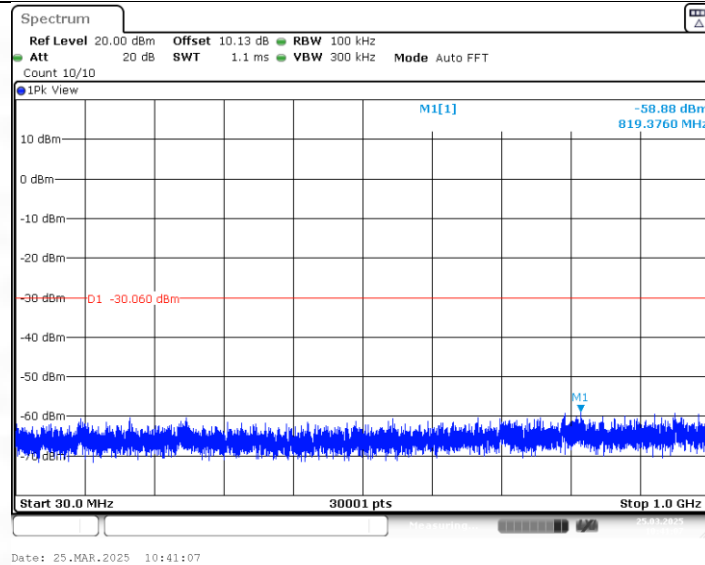
11N40MIMO Ant1 2437 30~1000



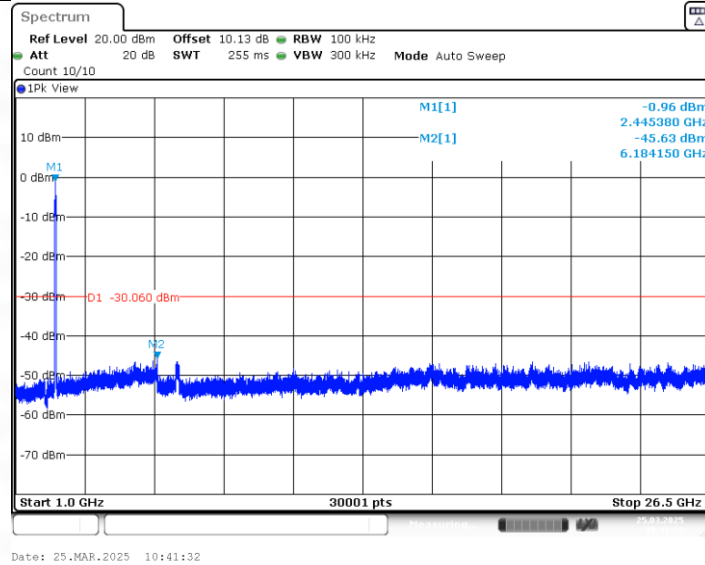
11N40MIMO Ant1 2437 1000~26500



11N40MIMO Ant1 2452 30~1000



11N40MIMO Ant1 2452 1000~26500

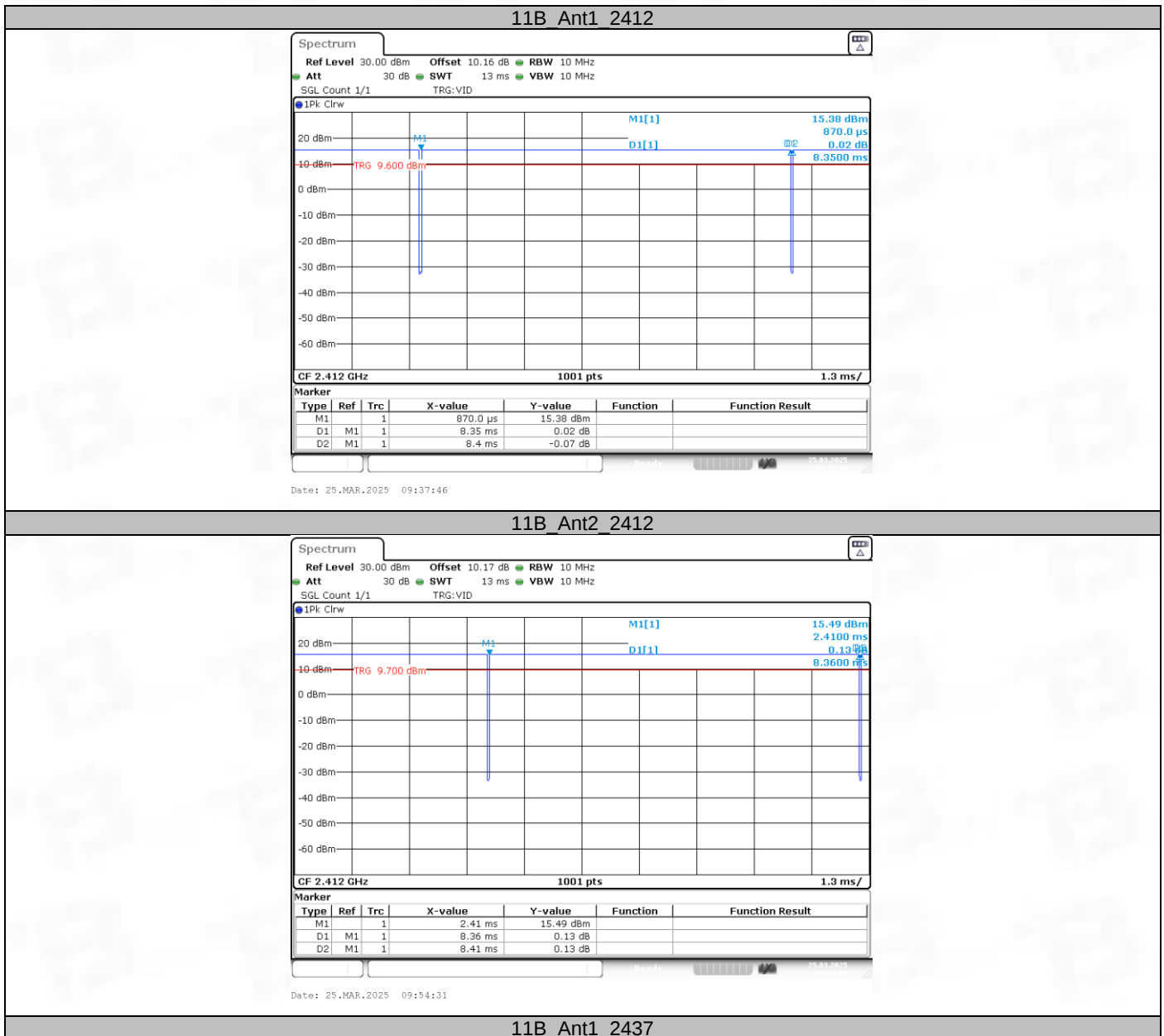


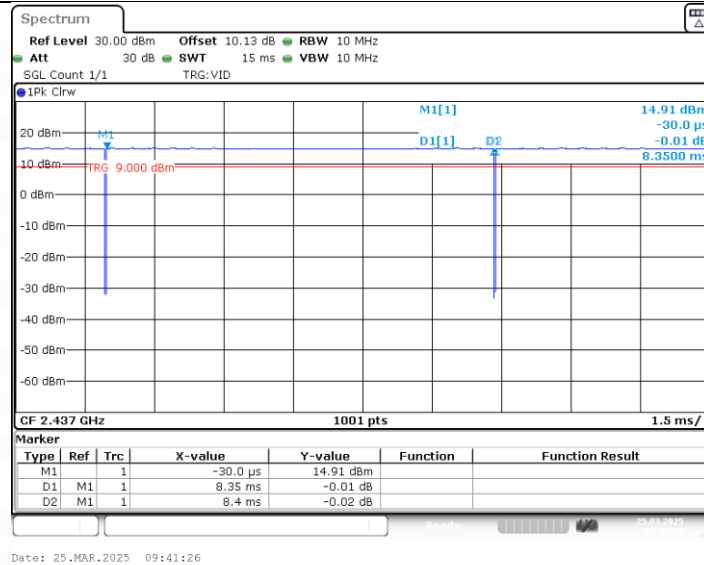
1.8 Appendix H: Duty Cycle

1.8.1 Test Result

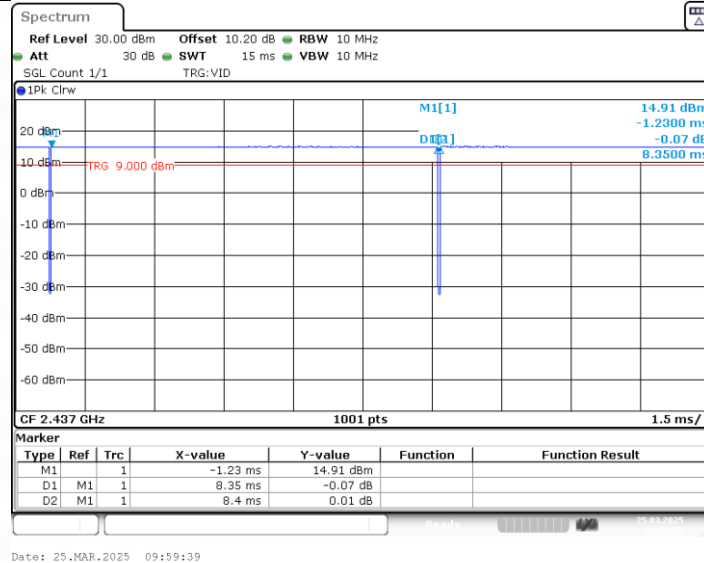
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.35	8.40	99.40
	Ant2	2412	8.36	8.41	99.41
	Ant1	2437	8.35	8.40	99.40
	Ant2	2437	8.35	8.40	99.40
	Ant1	2462	8.36	8.40	99.52
	Ant2	2462	8.36	8.40	99.52
11G	Ant1	2412	1.40	1.43	97.90
	Ant2	2412	1.39	1.42	97.89
	Ant1	2437	1.39	1.43	97.20
	Ant2	2437	1.40	1.43	97.90
	Ant1	2462	1.39	1.42	97.89
	Ant2	2462	1.40	1.43	97.90
11N20MIMO	Ant1	2412	1.30	1.34	97.01
	Ant2	2412	1.30	1.34	97.01
	Ant1	2437	1.31	1.34	97.76
	Ant2	2437	1.30	1.34	97.01
	Ant1	2462	1.30	1.34	97.01
	Ant2	2462	1.30	1.34	97.01
11N40MIMO	Ant1	2422	0.65	0.68	95.59
	Ant2	2422	0.65	0.68	95.59
	Ant1	2437	0.65	0.69	94.20
	Ant2	2437	0.65	0.69	94.20
	Ant1	2452	0.65	0.69	94.20
	Ant2	2452	0.65	0.68	95.59

1.8.2 Test Graphs

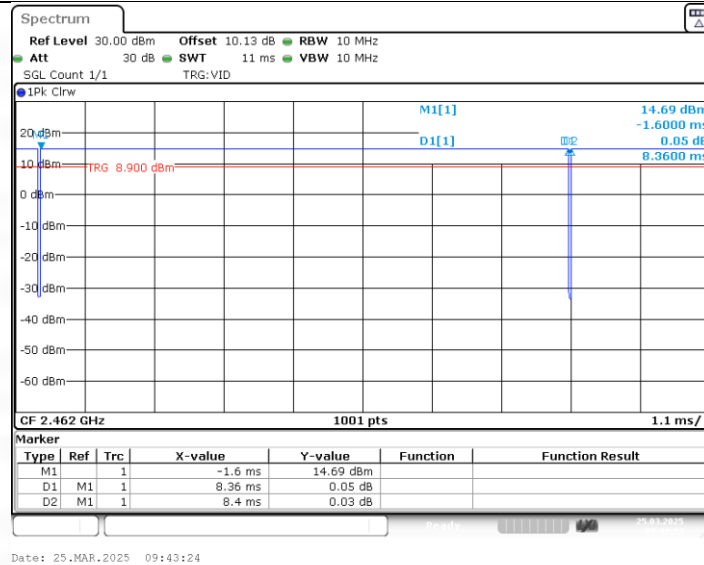




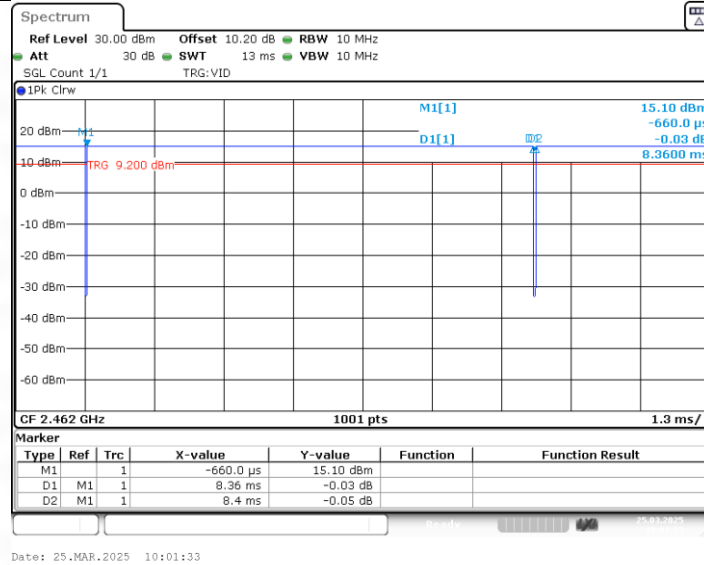
11B_Ant2_2437



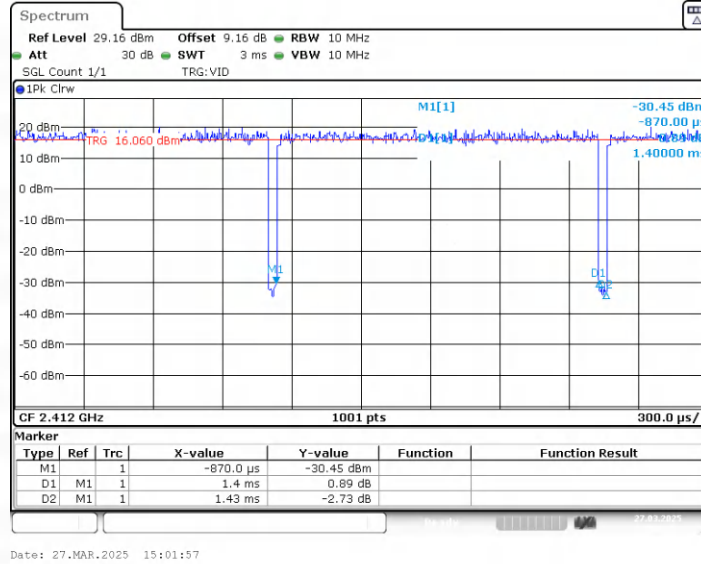
11B_Ant1_2462



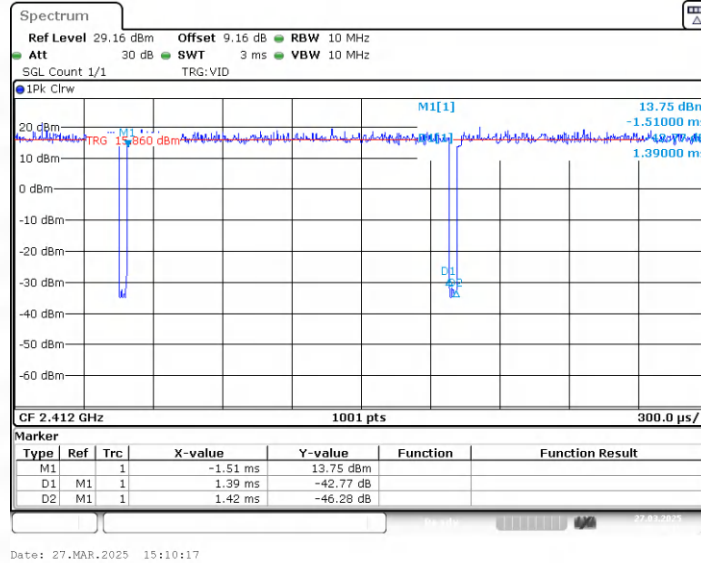
11B_Ant2_2462



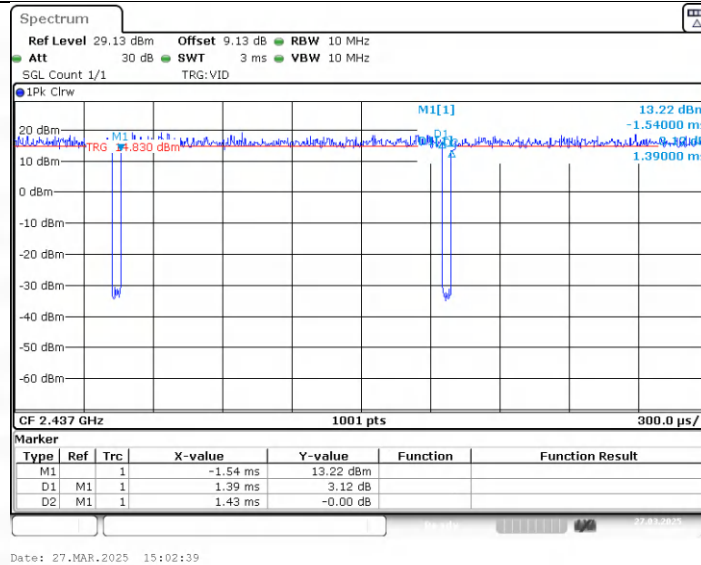
11G_Ant1_2412



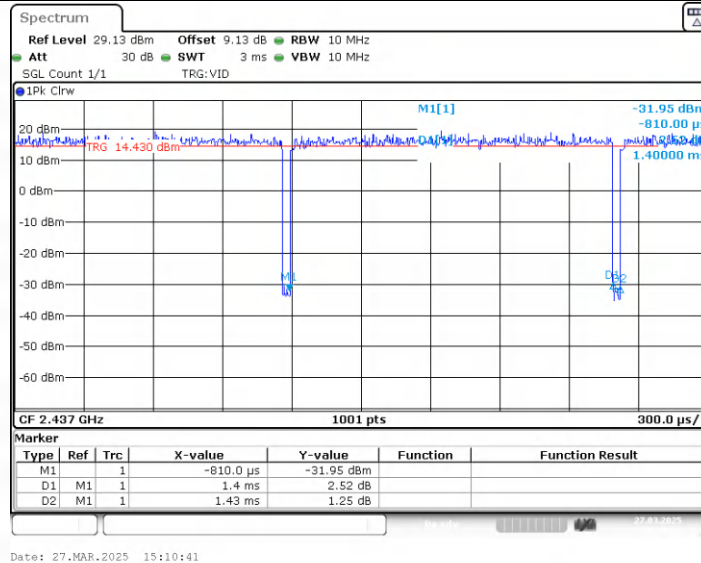
11G Ant2 2412



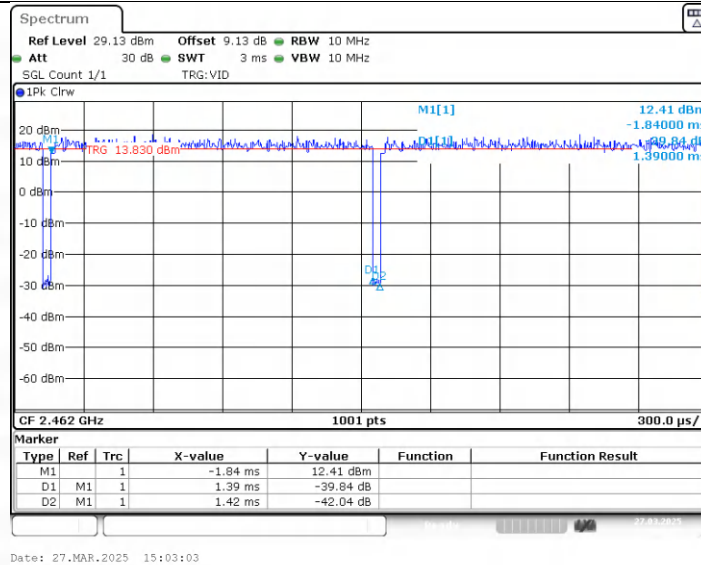
11G Ant1 2437



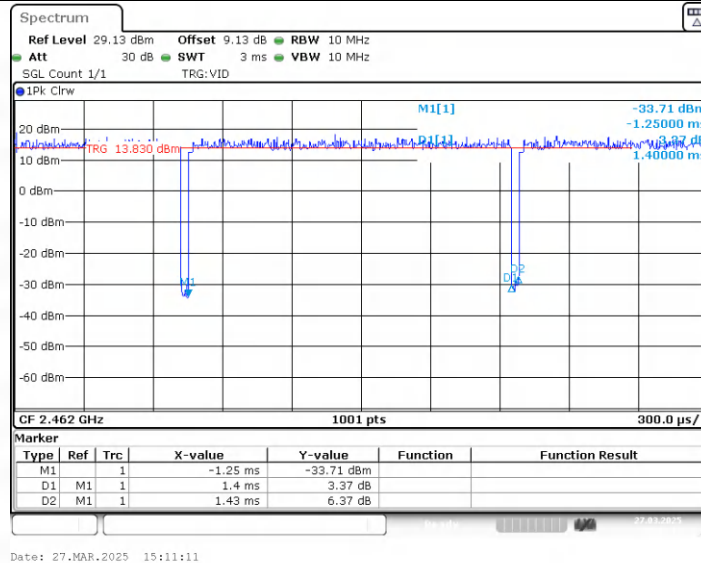
11G Ant2 2437



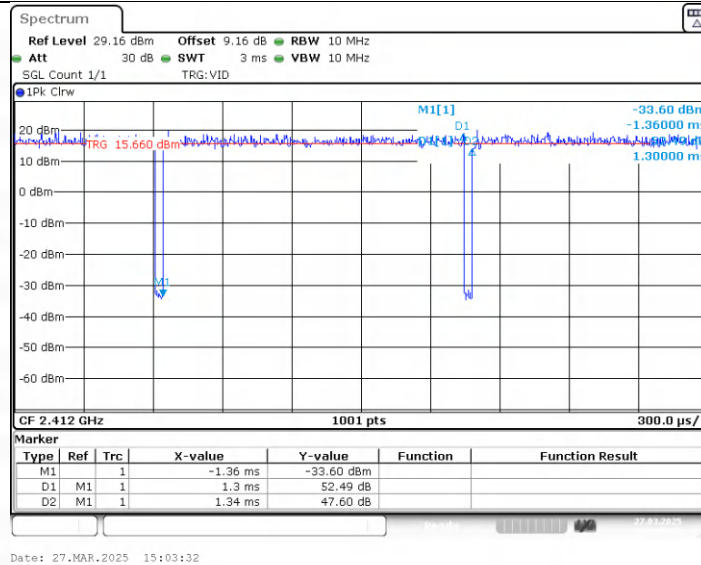
11G Ant1 2462



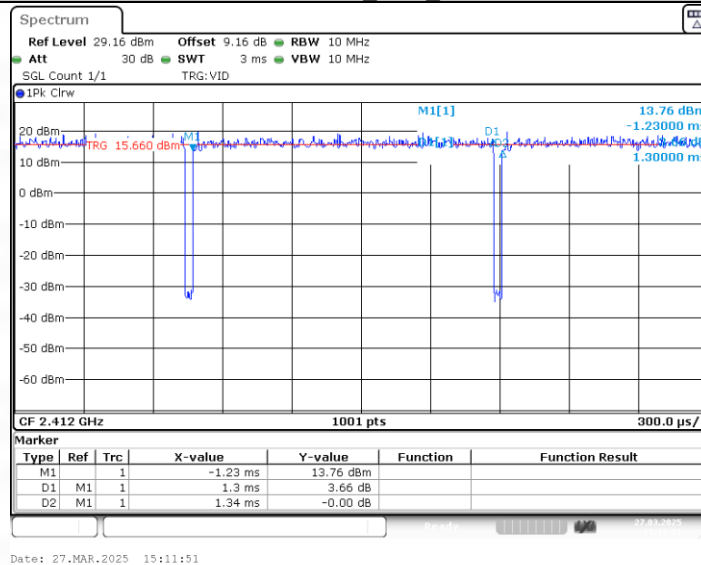
11G Ant2 2462



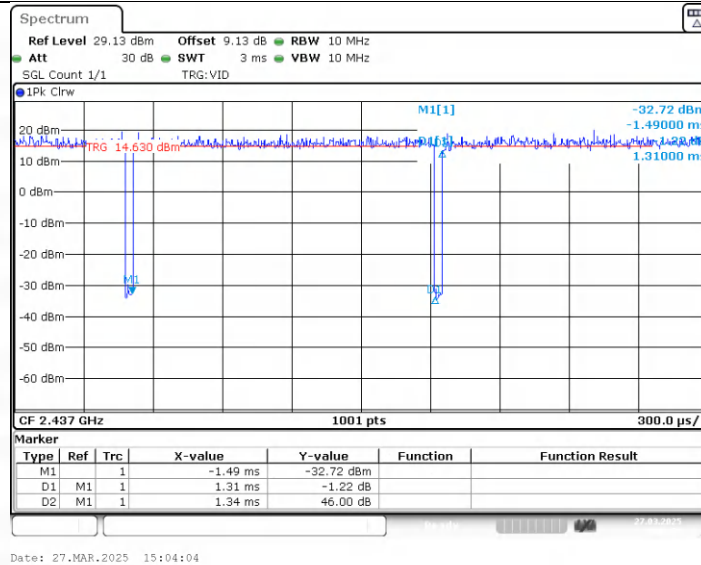
11N20MIMO_Ant1_2412



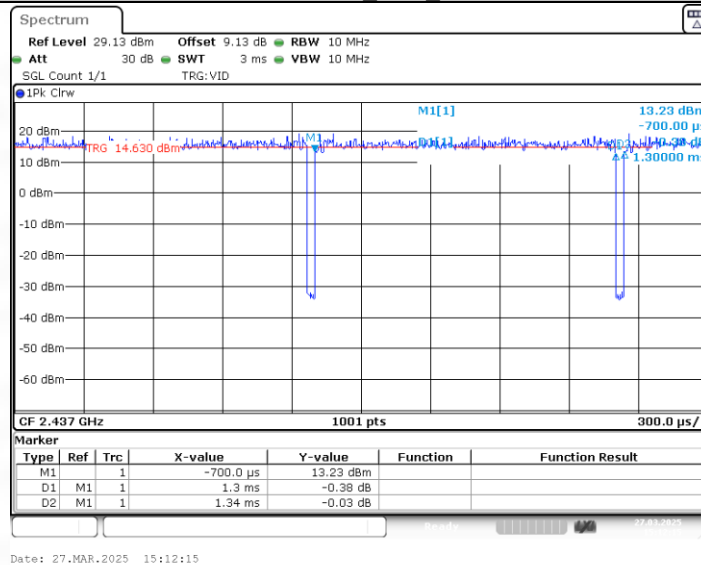
11N20MIMO_Ant2_2412



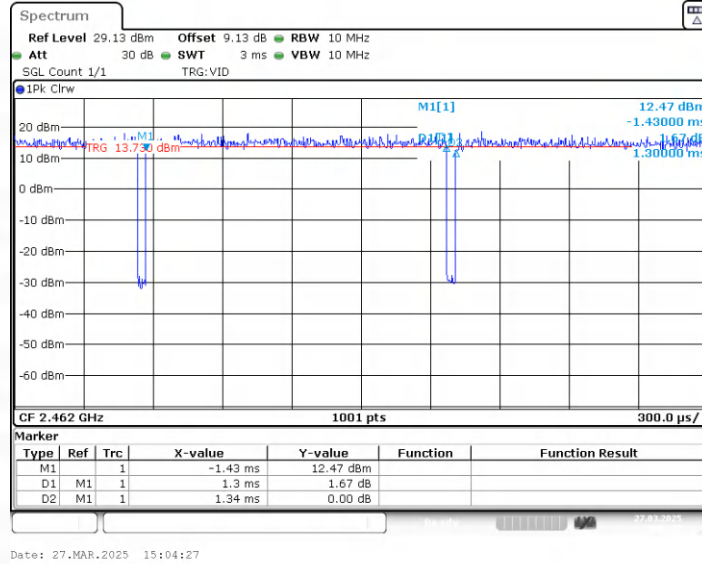
11N20MIMO_Ant1_2437



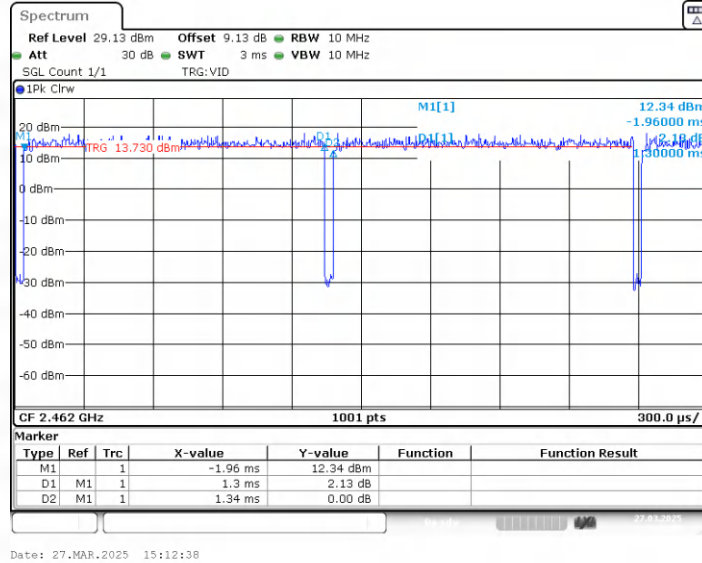
11N20MIMO_Ant2_2437



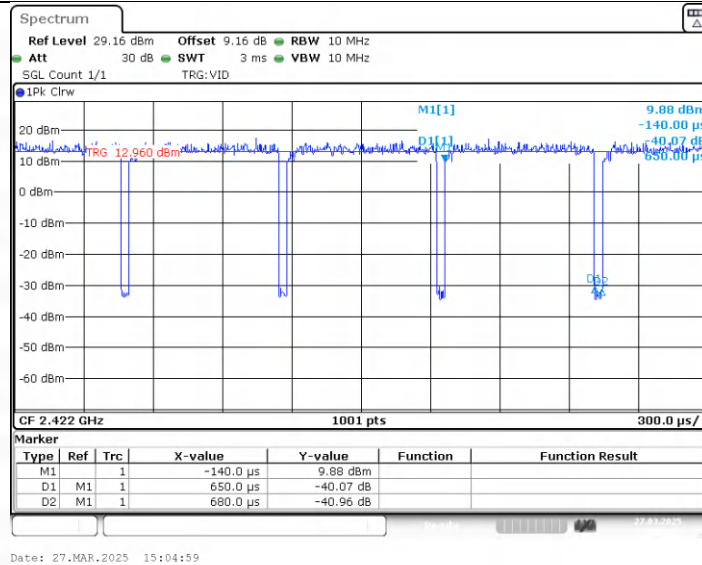
11N20MIMO_Ant1_2462



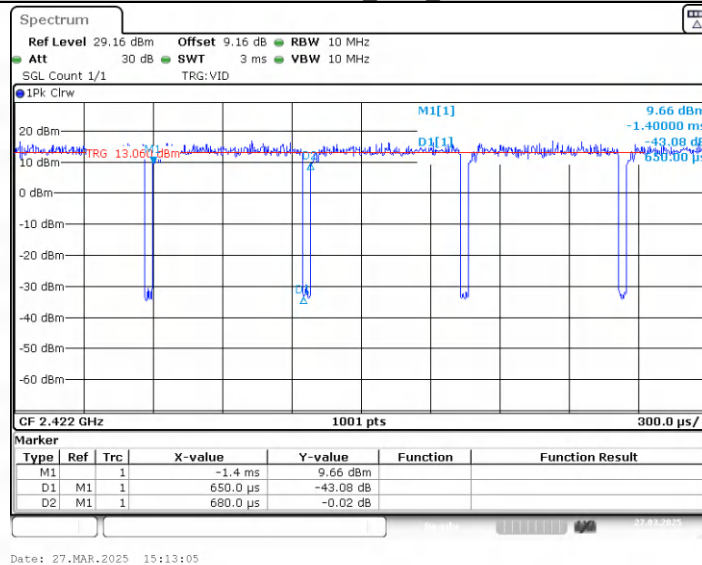
11N20MIMO_Ant2_2462



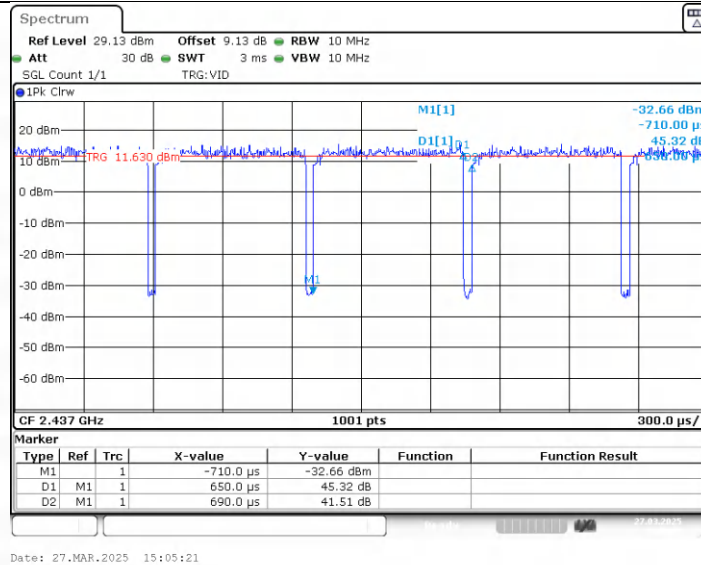
11N40MIMO_Ant1_2422



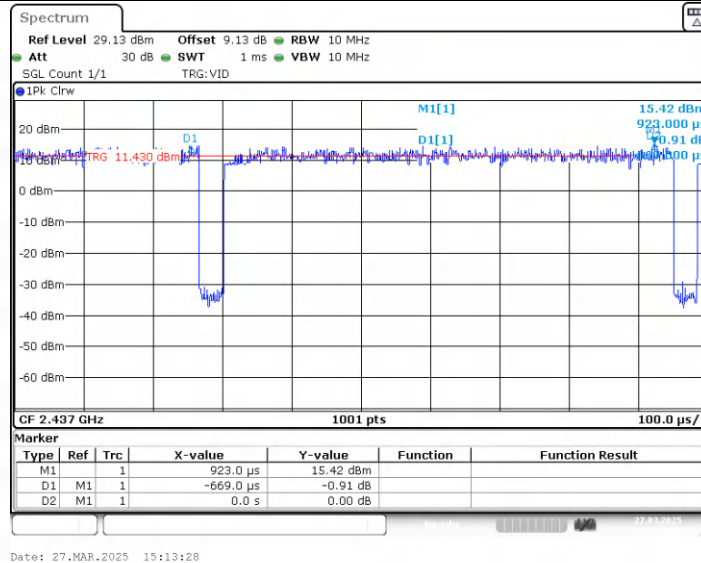
11N40MIMO_Ant2_2422



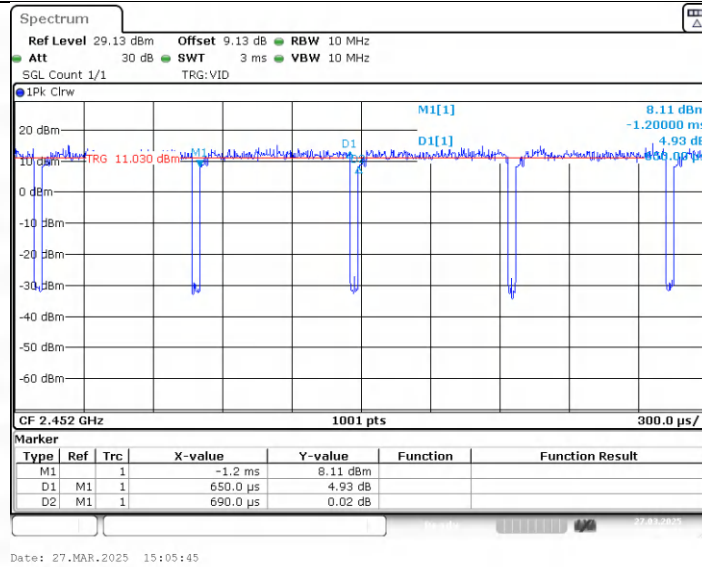
11N40MIMO_Ant1_2437



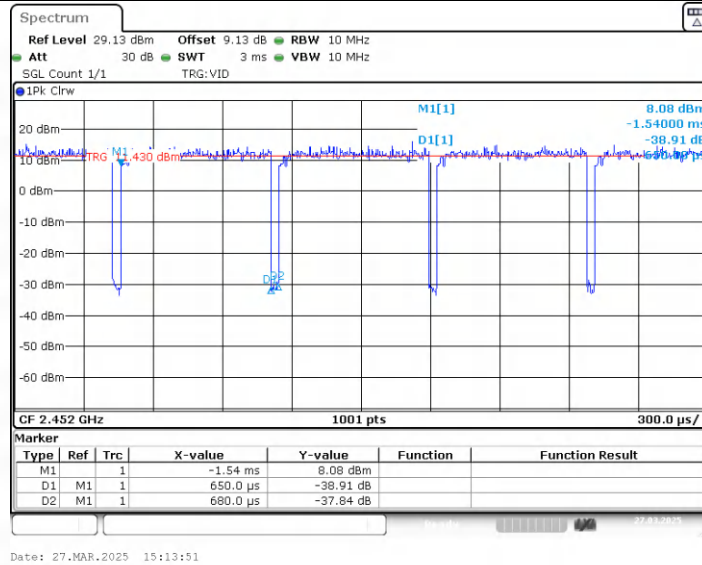
11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO Ant2 2452



1.9 Appendix I: Emissions in Restricted Bands

1.9.1 Test Result

TestMode	Antenna	ChName	Frequency[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-50.23	≤-41.20	44.97	≤54	PASS
				AV	2340.507	-48.43	≤-41.20	46.77	≤54	PASS
				AV	2390.000	-49.93	≤-41.20	45.27	≤54	PASS
				Peak	2310.000	-38.65	≤-21.20	56.55	≤74	PASS
				Peak	2340.319	-35.21	≤-21.20	59.99	≤74	PASS
				Peak	2390.000	-39.01	≤-21.20	56.19	≤74	PASS
	Ant2	Low	2412	AV	2310.000	-50.21	≤-41.20	44.99	≤54	PASS
				AV	2340.130	-48.43	≤-41.20	46.77	≤54	PASS
				AV	2390.000	-50.15	≤-41.20	45.05	≤54	PASS
				Peak	2310.000	-39.17	≤-21.20	56.03	≤74	PASS
				Peak	2345.971	-36.14	≤-21.20	59.06	≤74	PASS
				Peak	2390.000	-39.83	≤-21.20	55.37	≤74	PASS
	Ant1	High	2462	AV	2483.500	-49.4	≤-41.20	45.80	≤54	PASS
				AV	2495.638	-49.3	≤-41.20	45.90	≤54	PASS
				AV	2500.000	-49.83	≤-41.20	45.37	≤54	PASS
				Peak	2483.500	-37.81	≤-21.20	57.39	≤74	PASS
				Peak	2497.072	-36.14	≤-21.20	59.06	≤74	PASS
				Peak	2500.000	-38.97	≤-21.20	56.23	≤74	PASS
	Ant2	High	2462	AV	2483.500	-49.29	≤-41.20	45.91	≤54	PASS
				AV	2483.841	-49.29	≤-41.20	45.91	≤54	PASS
				AV	2500.000	-49.78	≤-41.20	45.42	≤54	PASS
				Peak	2483.500	-38.33	≤-21.20	56.87	≤74	PASS
				Peak	2498.029	-36.95	≤-21.20	58.25	≤74	PASS
				Peak	2500.000	-38.95	≤-21.20	56.25	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-47.71	≤-41.20	47.49	≤54	PASS
				AV	2340.507	-45.89	≤-41.20	49.31	≤54	PASS
				AV	2390.000	-48	≤-41.20	47.20	≤54	PASS
				Peak	2310.000	-38.98	≤-	56.22	≤74	PASS

							21.20			
				Peak	2327.507	-35.8	≤ 21.20	59.40	≤74	PASS
				Peak	2390.000	-39.31	≤ 21.20	55.89	≤74	PASS
	Ant2	Low	2412	AV	2310.000	-48.16	≤ 41.20	47.04	≤54	PASS
				AV	2339.565	-45.83	≤ 41.20	49.37	≤54	PASS
				AV	2390.000	-48.25	≤ 41.20	46.95	≤54	PASS
				Peak	2310.000	-38.69	≤ 21.20	56.51	≤74	PASS
				Peak	2341.449	-35.87	≤ 21.20	59.33	≤74	PASS
				Peak	2390.000	-37.9	≤ 21.20	57.30	≤74	PASS
				AV	2483.500	-46.54	≤ 41.20	48.66	≤54	PASS
	Ant1	High	2462	AV	2484.000	-46.39	≤ 41.20	48.81	≤54	PASS
				AV	2500.000	-47.55	≤ 41.20	47.65	≤54	PASS
				Peak	2483.500	-35.79	≤ 21.20	59.41	≤74	PASS
				Peak	2483.522	-35.79	≤ 21.20	59.41	≤74	PASS
				Peak	2500.000	-37.92	≤ 21.20	57.28	≤74	PASS
				AV	2483.500	-46.78	≤ 41.20	48.42	≤54	PASS
				AV	2485.594	-46.07	≤ 41.20	49.13	≤54	PASS
	Ant2	High	2462	AV	2500.000	-47.41	≤ 41.20	47.79	≤54	PASS
				Peak	2483.500	-37.52	≤ 21.20	57.68	≤74	PASS
				Peak	2498.029	-37.08	≤ 21.20	58.12	≤74	PASS
				Peak	2500.000	-37.48	≤ 21.20	57.72	≤74	PASS
	Ant1	Low	2412	AV	2310.000	-49.04	≤ 41.20	46.16	≤54	PASS
				AV	2340.507	-46.84	≤ 41.20	48.36	≤54	PASS
				AV	2390.000	-49.01	≤ 41.20	46.19	≤54	PASS
				Peak	2310.000	-39.83	≤ 21.20	55.37	≤74	PASS
				Peak	2341.826	-36.49	≤ 21.20	58.71	≤74	PASS
				Peak	2390.000	-38.13	≤ 21.20	57.07	≤74	PASS
				AV	2310.000	-49	≤ 41.20	46.20	≤54	PASS
11N20MIMO	Ant2	Low	2412	AV	2342.580	-46.7	≤ 41.20	48.50	≤54	PASS
				AV	2390.000	-46.68	≤ 41.20	48.52	≤54	PASS
				Peak	2310.000	-39.57	≤ 21.20	55.63	≤74	PASS

				Peak	2340.696	-35.07	≤ -21.20	60.13	≤ 74	PASS
				Peak	2390.000	-35.88	≤ -21.20	59.32	≤ 74	PASS
	total	Low	2412	AV	2310.000	-46.01	≤ -41.20	49.19	≤ 54	PASS
				AV	2342.580	-43.76	≤ -41.20	51.44	≤ 54	PASS
				AV	2390.000	-44.68	≤ -41.20	50.52	≤ 54	PASS
				Peak	2310.000	-36.69	≤ -21.20	58.51	≤ 74	PASS
				Peak	2340.696	-32.71	≤ -21.20	62.49	≤ 74	PASS
				Peak	2390.000	-33.85	≤ -21.20	61.35	≤ 74	PASS
				AV	2483.500	-47.94	≤ -41.20	47.26	≤ 54	PASS
	Ant1	High	2462	AV	2495.638	-47.88	≤ -41.20	47.32	≤ 54	PASS
				AV	2500.000	-48.44	≤ -41.20	46.76	≤ 54	PASS
				Peak	2483.500	-37.56	≤ -21.20	57.64	≤ 74	PASS
				Peak	2490.217	-36.66	≤ -21.20	58.54	≤ 74	PASS
				Peak	2500.000	-38.54	≤ -21.20	56.66	≤ 74	PASS
				AV	2483.500	-47.08	≤ -41.20	48.12	≤ 54	PASS
	Ant2	High	2462	AV	2484.478	-46.87	≤ -41.20	48.33	≤ 54	PASS
				AV	2500.000	-48.38	≤ -41.20	46.82	≤ 54	PASS
				Peak	2483.500	-36.4	≤ -21.20	58.80	≤ 74	PASS
				Peak	2483.522	-36.4	≤ -21.20	58.80	≤ 74	PASS
				Peak	2500.000	-39.12	≤ -21.20	56.08	≤ 74	PASS
				AV	2483.500	-44.48	≤ -41.20	50.72	≤ 54	PASS
	total	High	2462	AV	2484.478	-44.34	≤ -41.20	50.86	≤ 54	PASS
				AV	2500.000	-45.40	≤ -41.20	49.80	≤ 54	PASS
				Peak	2483.500	-33.93	≤ -21.20	61.27	≤ 74	PASS
				Peak	2483.522	-33.52	≤ -21.20	61.68	≤ 74	PASS
				Peak	2500.000	-35.81	≤ -21.20	59.39	≤ 74	PASS
				AV	2310.000	-49.12	≤ -41.20	46.08	≤ 54	PASS
11N40MIMO	Ant1	Low	2422	AV	2385.217	-46.87	≤ -41.20	48.33	≤ 54	PASS
				AV	2390.000	-47.21	≤ -41.20	47.99	≤ 54	PASS
				Peak	2310.000	-39.4	≤ -21.20	55.80	≤ 74	PASS
				Peak	2386.087	-36.78	$\leq -$	58.42	≤ 74	PASS
				Peak	2386.087	-36.78	$\leq -$	58.42	≤ 74	PASS

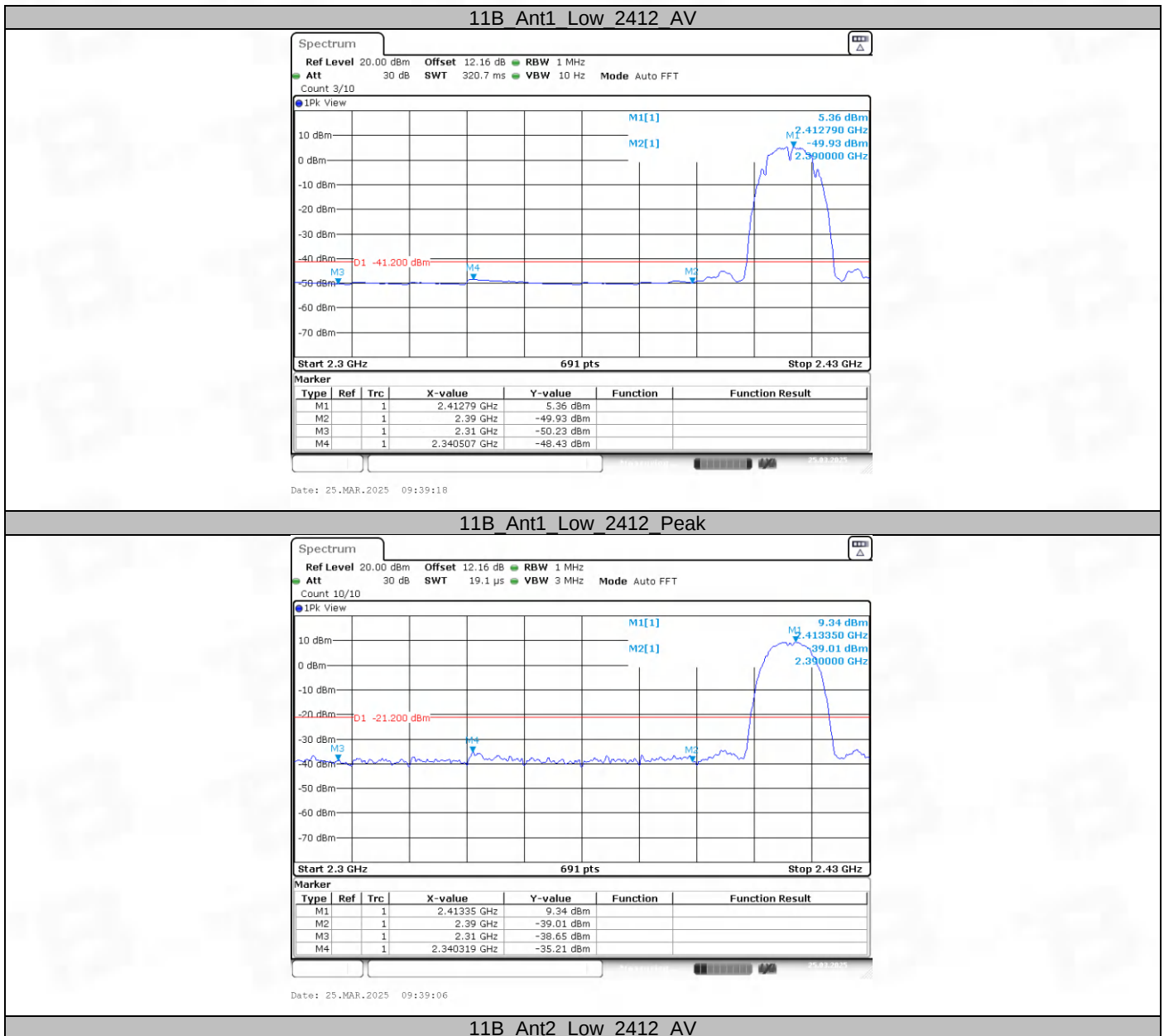
	Ant2	Low	2422	Peak	2390.000	-37.75	21.20 ≤ 21.20	57.45	≤74	PASS
				AV	2310.000	-48.45	≤ 41.20	46.75	≤54	PASS
				AV	2383.261	-46.51	≤ 41.20	48.69	≤54	PASS
				AV	2390.000	-47.01	≤ 41.20	48.19	≤54	PASS
				Peak	2310.000	-38.29	≤ 21.20	56.91	≤74	PASS
				Peak	2380.652	-34.87	≤ 21.20	60.33	≤74	PASS
				Peak	2390.000	-35.53	≤ 21.20	59.67	≤74	PASS
	total	Low	2422	AV	2310.000	-45.76	≤ 41.20	49.44	≤54	PASS
				AV	2383.261	-43.68	≤ 41.20	51.52	≤54	PASS
				AV	2390.000	-44.10	≤ 41.20	51.10	≤54	PASS
				Peak	2310.000	-35.80	≤ 21.20	59.40	≤74	PASS
				Peak	2380.652	-32.71	≤ 21.20	62.49	≤74	PASS
				Peak	2390.000	-33.49	≤ 21.20	61.71	≤74	PASS
	Ant1	High	2452	AV	2483.500	-45.85	≤ 41.20	49.35	≤54	PASS
				AV	2483.514	-45.85	≤ 41.20	49.35	≤54	PASS
				AV	2500.000	-48.29	≤ 41.20	46.91	≤54	PASS
				Peak	2483.500	-35.44	≤ 21.20	59.76	≤74	PASS
				Peak	2484.239	-35.07	≤ 21.20	60.13	≤74	PASS
				Peak	2500.000	-37.49	≤ 21.20	57.71	≤74	PASS
	Ant2	High	2452	AV	2483.500	-44.66	≤ 41.20	50.54	≤54	PASS
				AV	2484.420	-44.65	≤ 41.20	50.55	≤54	PASS
				AV	2500.000	-46.21	≤ 41.20	48.99	≤54	PASS
				Peak	2483.500	-35.85	≤ 21.20	59.35	≤74	PASS
				Peak	2484.783	-34.21	≤ 21.20	60.99	≤74	PASS
				Peak	2500.000	-39.97	≤ 21.20	55.23	≤74	PASS
	total	High	2452	AV	2483.500	-42.20	≤ 41.20	53.00	≤54	PASS
				AV	2484.420	-42.20	≤ 41.20	53.00	≤54	PASS
				AV	2500.000	-44.12	≤ 41.20	51.08	≤54	PASS
				Peak	2483.500	-32.63	≤ 21.20	62.57	≤74	PASS
				Peak	2484.783	-31.61	≤ 21.20	63.59	≤74	PASS

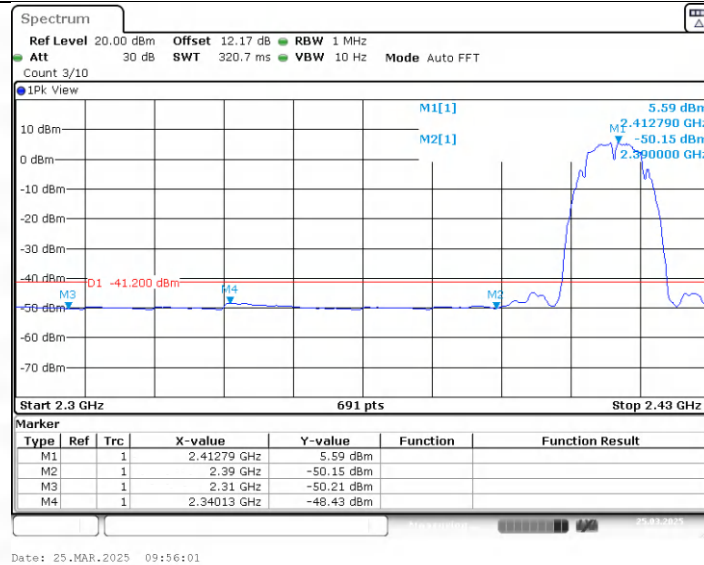
				Peak	2500.000	-35.55	$\leq$ - 21.20	59.65	$\leq$ 74	PASS
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Note:

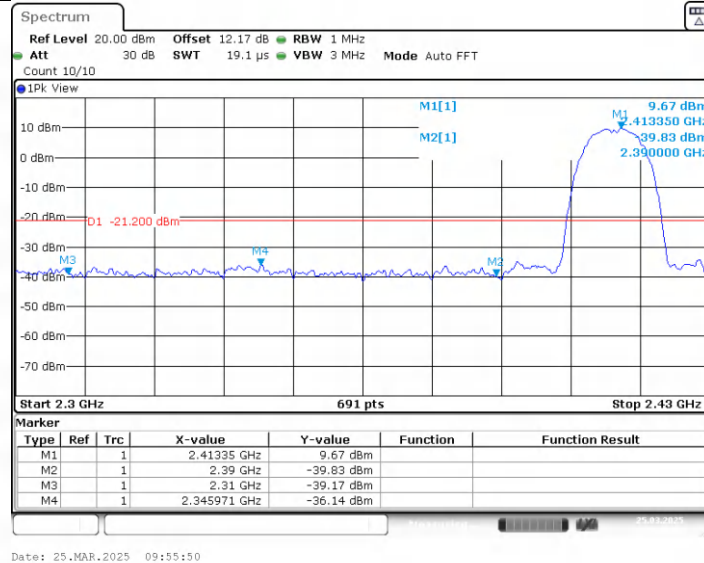
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

1.9.2 Test Graphs

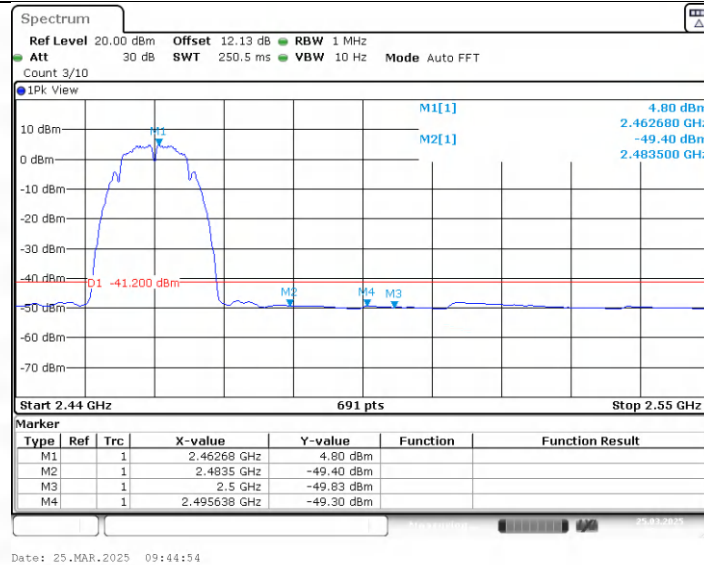




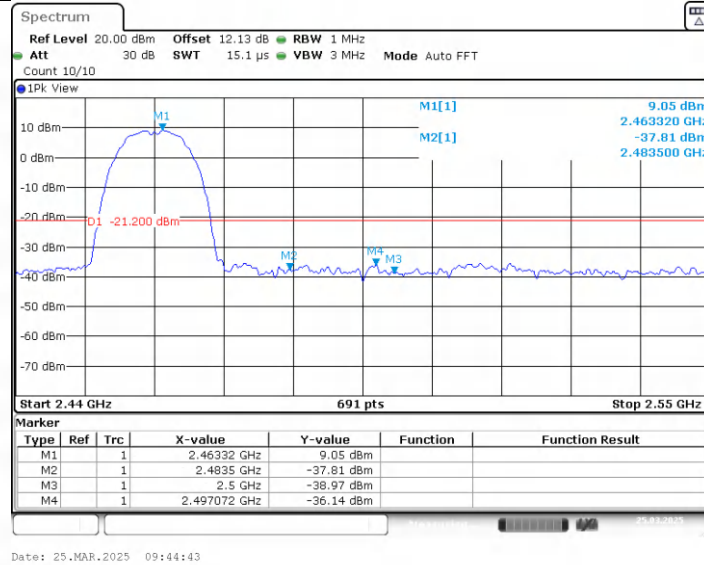
11B_Ant2_Low_2412_Peak



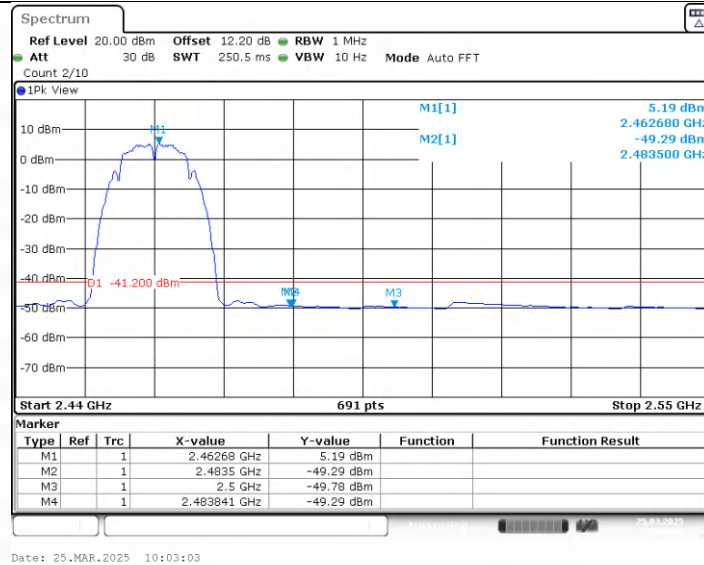
11B_Ant1_High_2462_AV



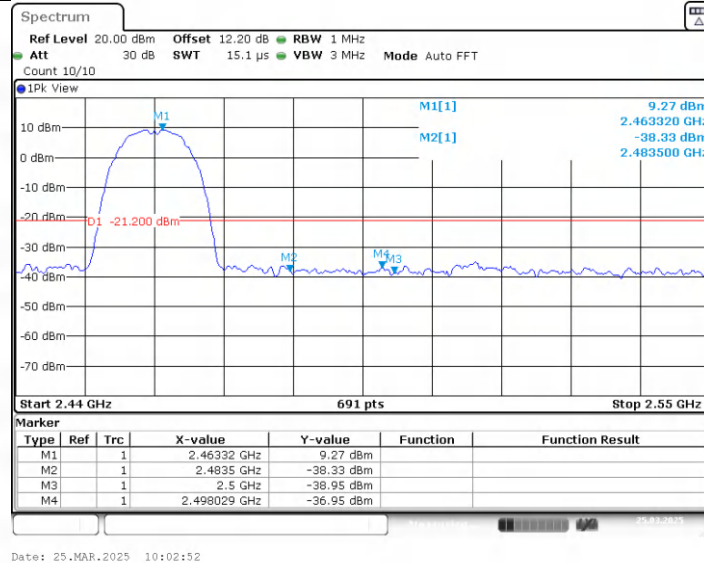
11B Ant1 High 2462 Peak



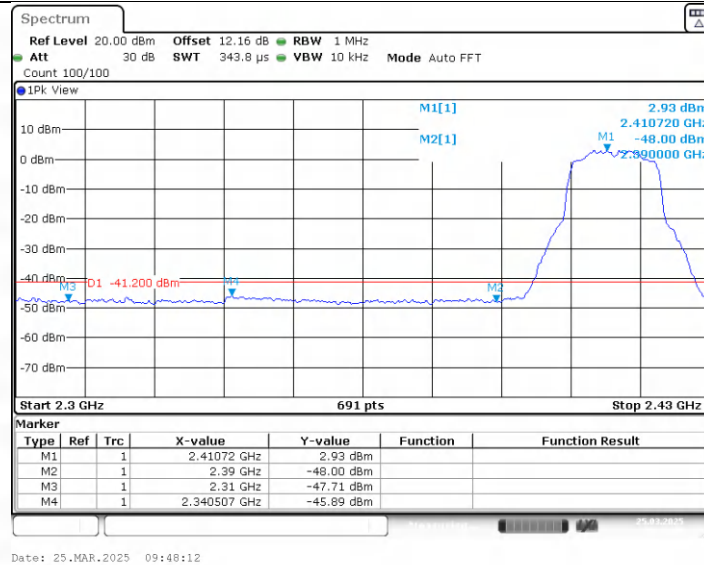
11B Ant2 High 2462 AV



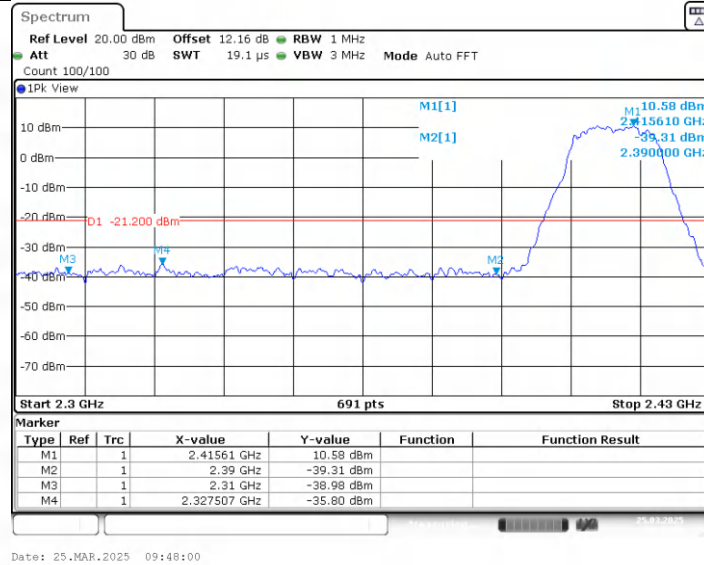
11B Ant2 High 2462 Peak



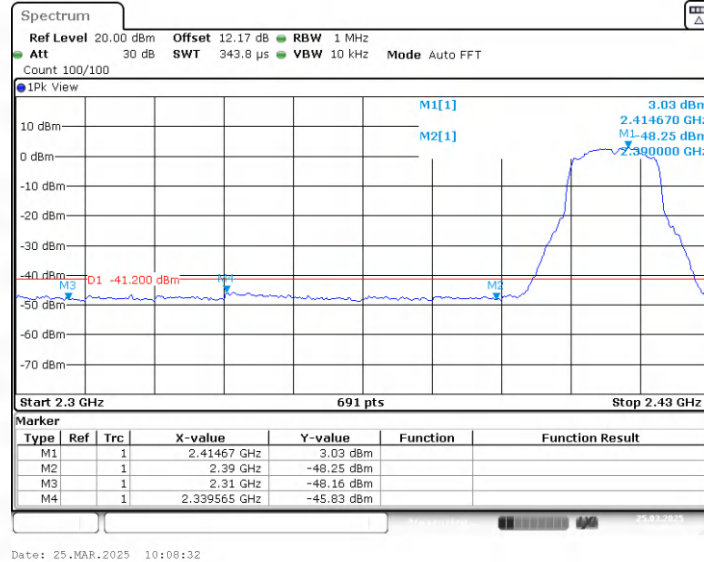
11G Ant1 Low 2412 AV



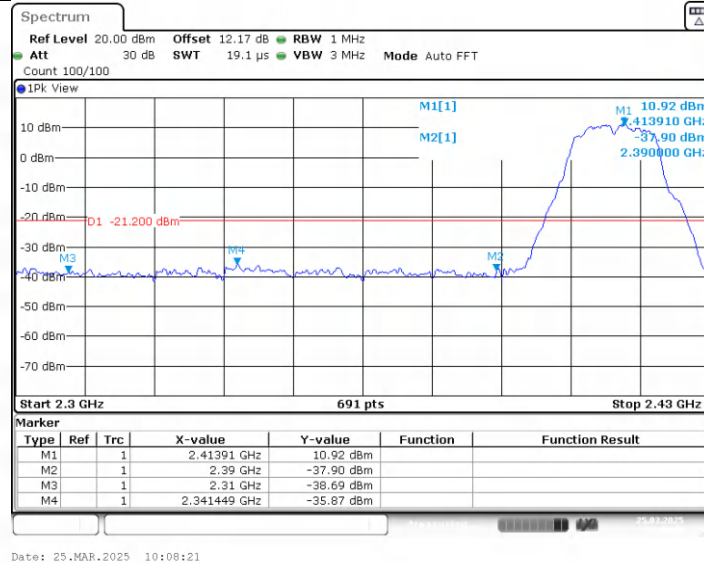
11G Ant1 Low 2412 Peak



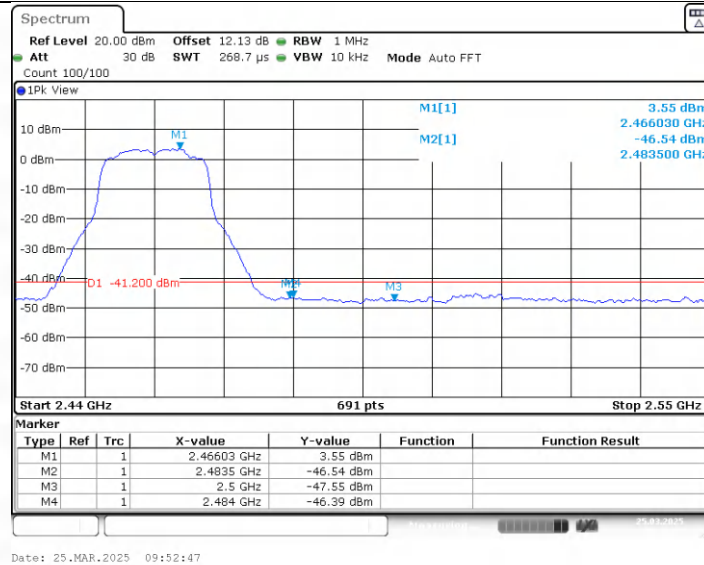
11G Ant2 Low 2412 AV



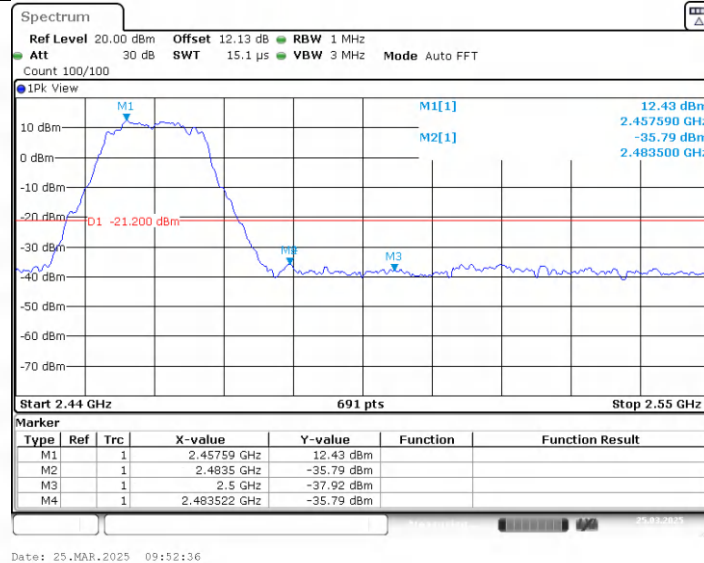
11G Ant2 Low 2412 Peak



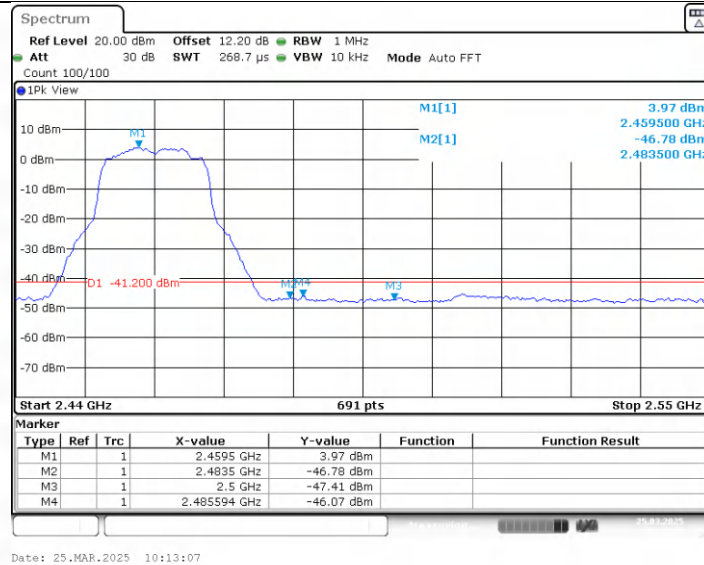
11G Ant1 High 2462 AV



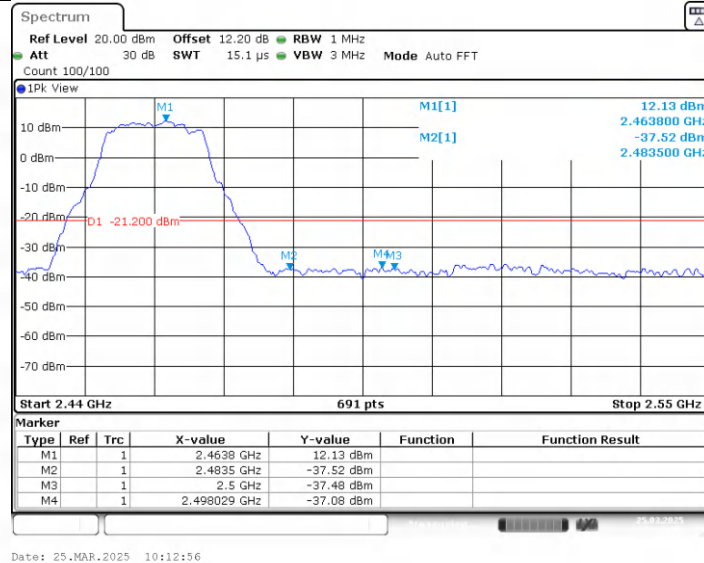
11G Ant1 High 2462 Peak



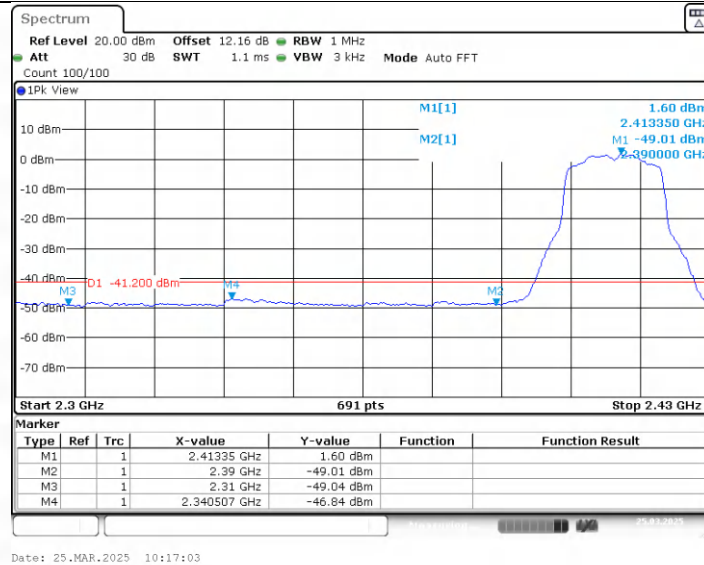
11G Ant2 High 2462 AV



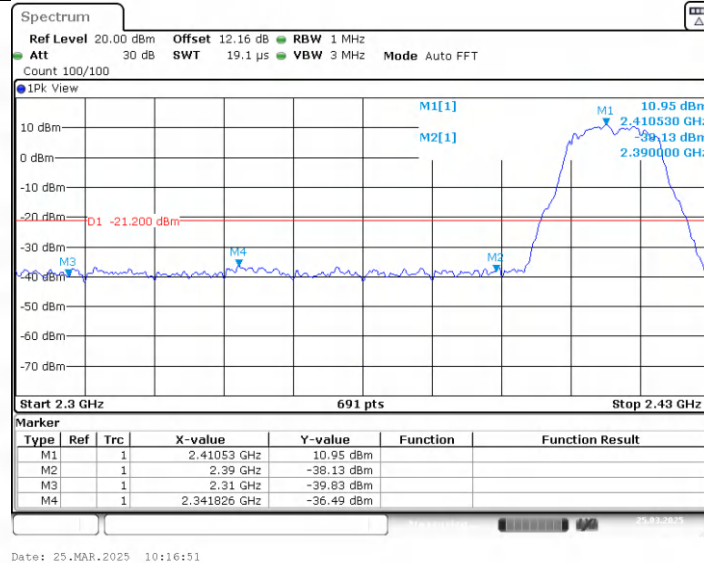
11G Ant2 High 2462 Peak



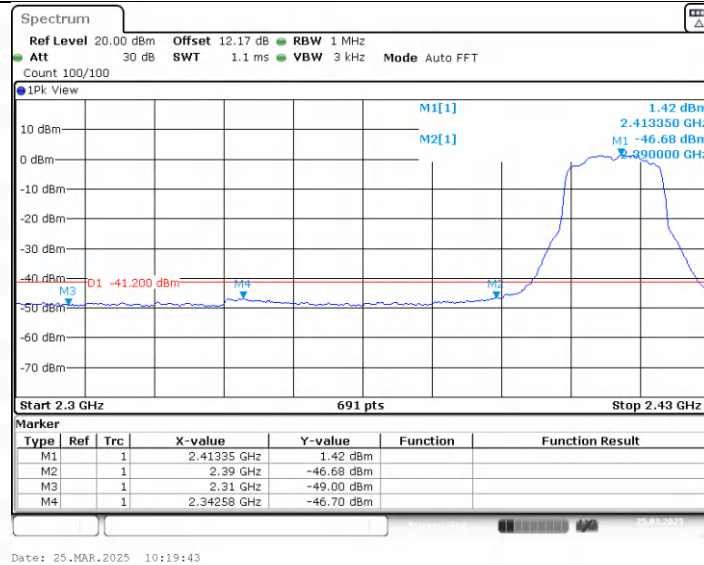
11N20MIMO Ant1 Low 2412_AV



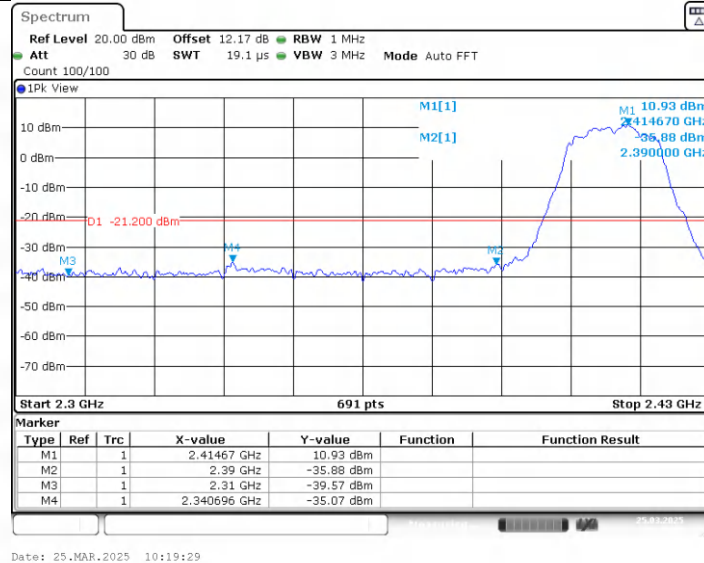
11N20MIMO Ant1 Low 2412 Peak



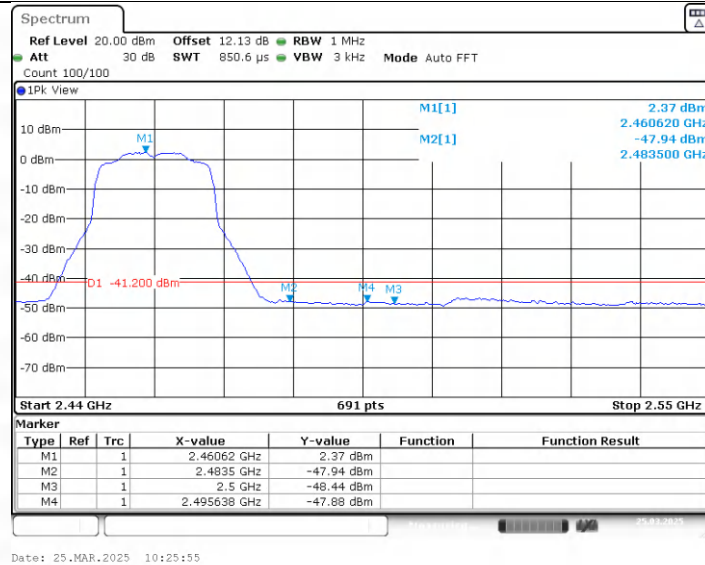
11N20MIMO Ant2 Low 2412 AV



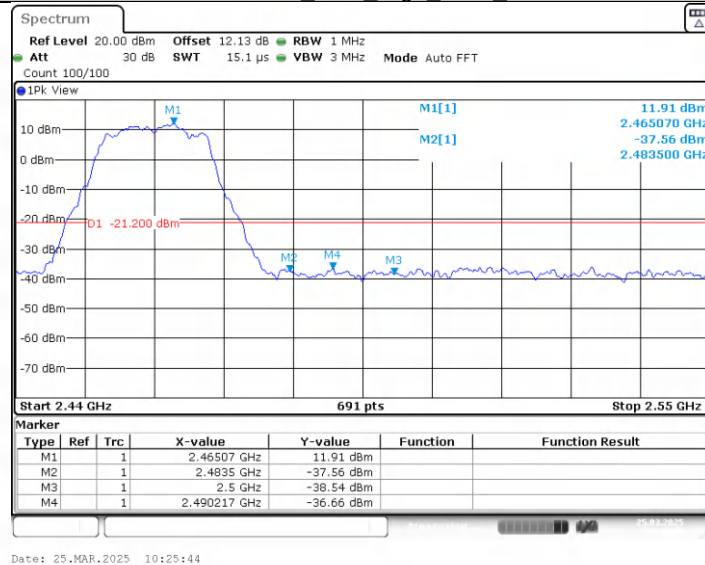
11N20MIMO Ant2 Low 2412 Peak



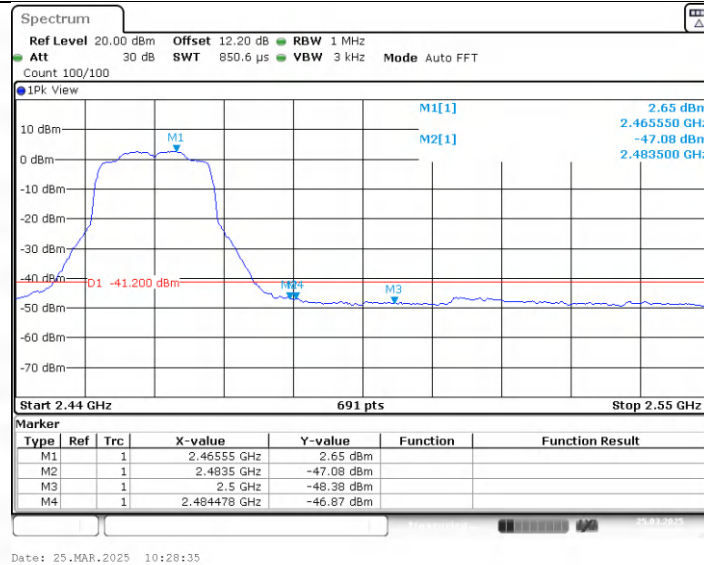
11N20MIMO Ant1_High 2462_AV



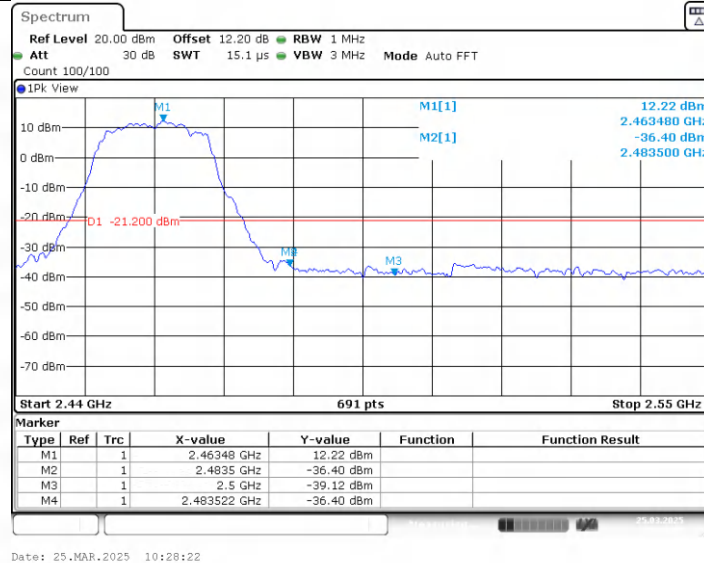
11N20MIMO_Ant1_High_2462_Peak



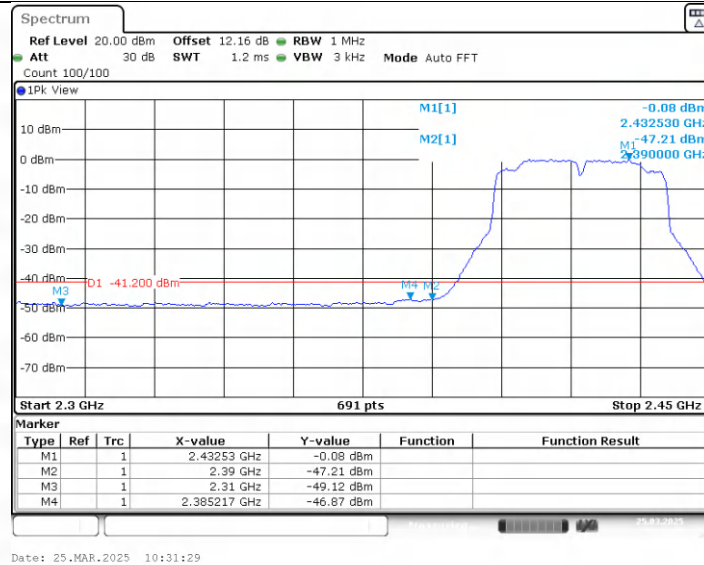
11N20MIMO_Ant2_High_2462_AV



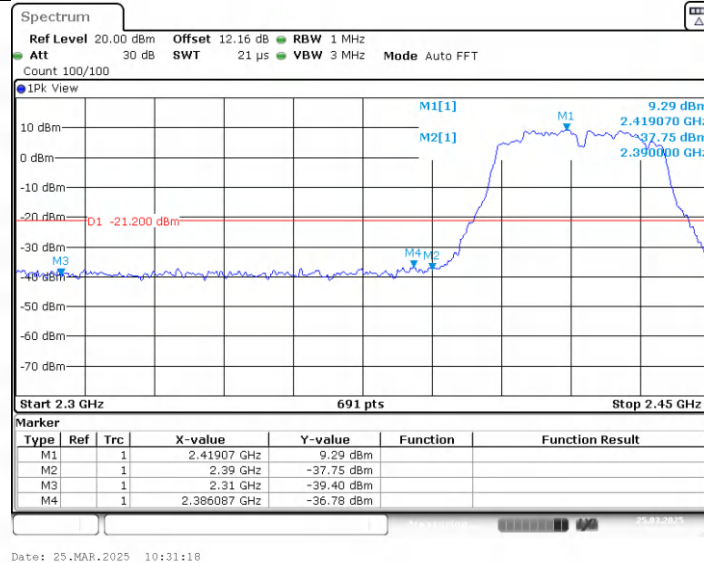
11N20MIMO Ant2 High 2462 Peak



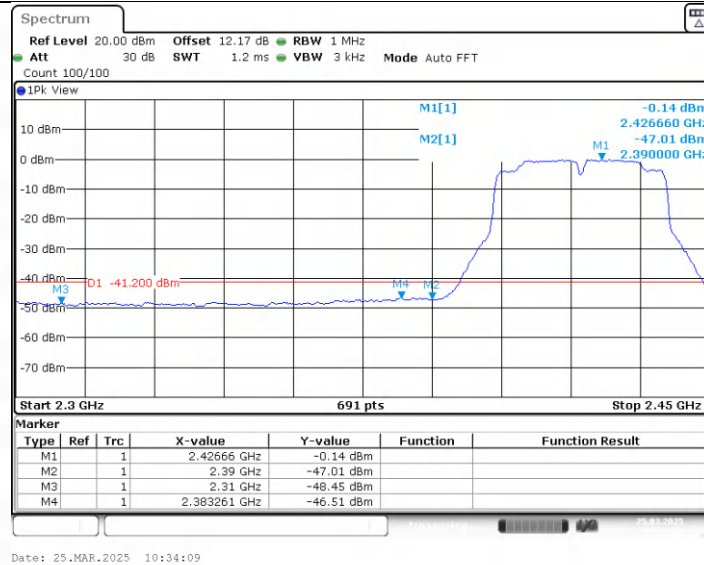
11N40MIMO Ant1 Low 2422_AV



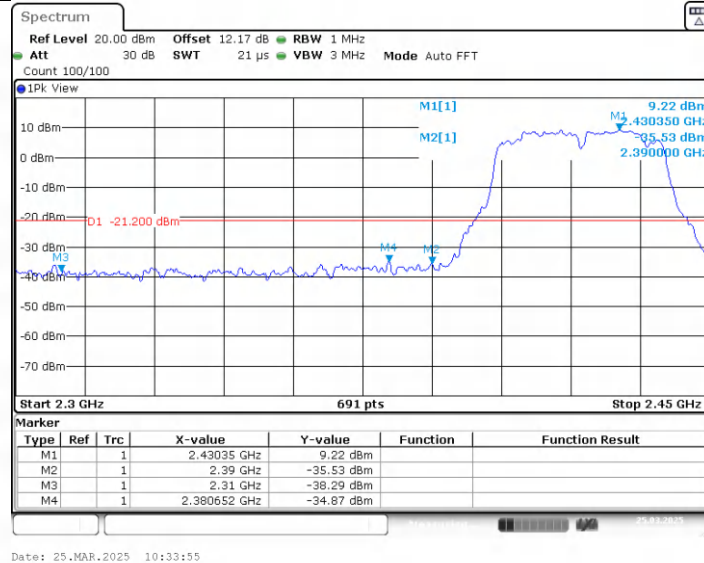
11N40MIMO Ant1 Low 2422 Peak



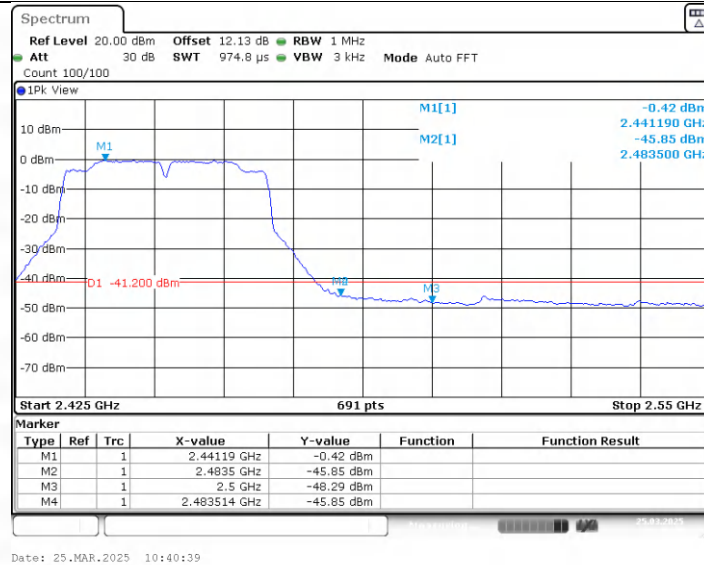
11N40MIMO Ant2 Low 2422_AV



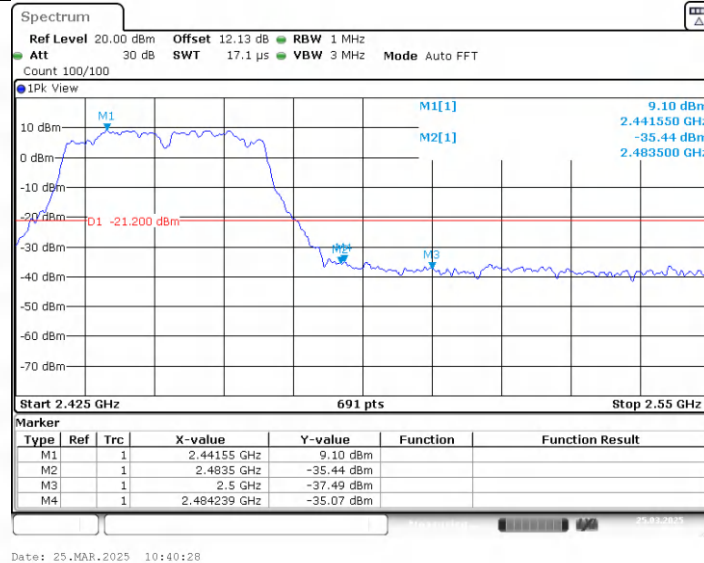
11N40MIMO Ant2 Low 2422 Peak



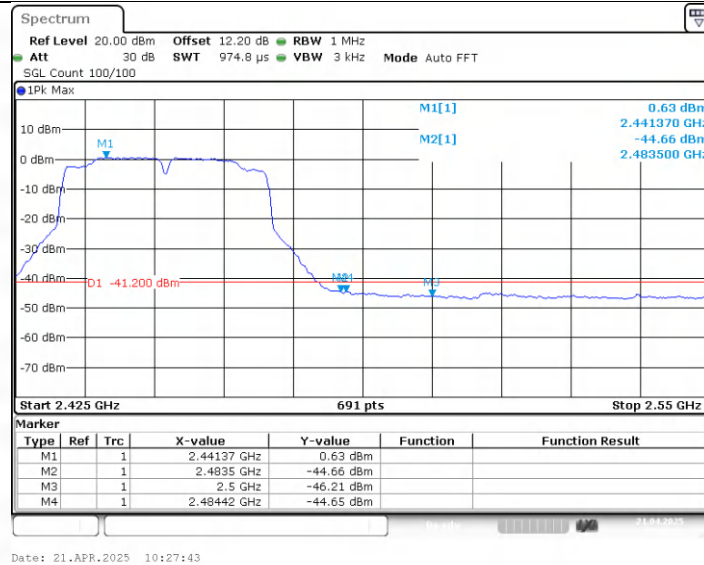
11N40MIMO Ant1 High 2452_AV



11N40MIMO Ant1 High 2452 Peak



11N40MIMO Ant2 High 2452 AV



11N40MIMO Ant2 High 2452 Peak

