

11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	2412	19.65	≤30.00	PASS
	Ant1	2412	19.89	≤30.00	PASS
	Ant0	2437	19.81	≤30.00	PASS
	Ant1	2437	19.88	≤30.00	PASS
	Ant0	2462	19.77	≤30.00	PASS
	Ant1	2462	19.80	≤30.00	PASS
11G	Ant0	2412	14.93	≤30.00	PASS
	Ant1	2412	14.85	≤30.00	PASS
	Ant0	2437	14.85	≤30.00	PASS
	Ant1	2437	15.29	≤30.00	PASS
	Ant0	2462	15.23	≤30.00	PASS
	Ant1	2462	14.89	≤30.00	PASS
11N20MIMO	Ant0	2412	15.25	≤30.00	PASS
	Ant1	2412	15.00	≤30.00	PASS
	total	2412	18.14	≤30.00	PASS
	Ant0	2437	15.30	≤30.00	PASS
	Ant1	2437	15.17	≤30.00	PASS
	total	2437	18.25	≤30.00	PASS
	Ant0	2462	15.26	≤30.00	PASS
	Ant1	2462	15.03	≤30.00	PASS
11N40MIMO	Ant0	2422	14.00	≤30.00	PASS
	Ant1	2422	13.92	≤30.00	PASS
	total	2422	16.97	≤30.00	PASS
	Ant0	2437	13.72	≤30.00	PASS
	Ant1	2437	14.05	≤30.00	PASS
	total	2437	16.90	≤30.00	PASS
	Ant0	2452	14.15	≤30.00	PASS
	Ant1	2452	13.81	≤30.00	PASS
	total	2452	16.99	≤30.00	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.

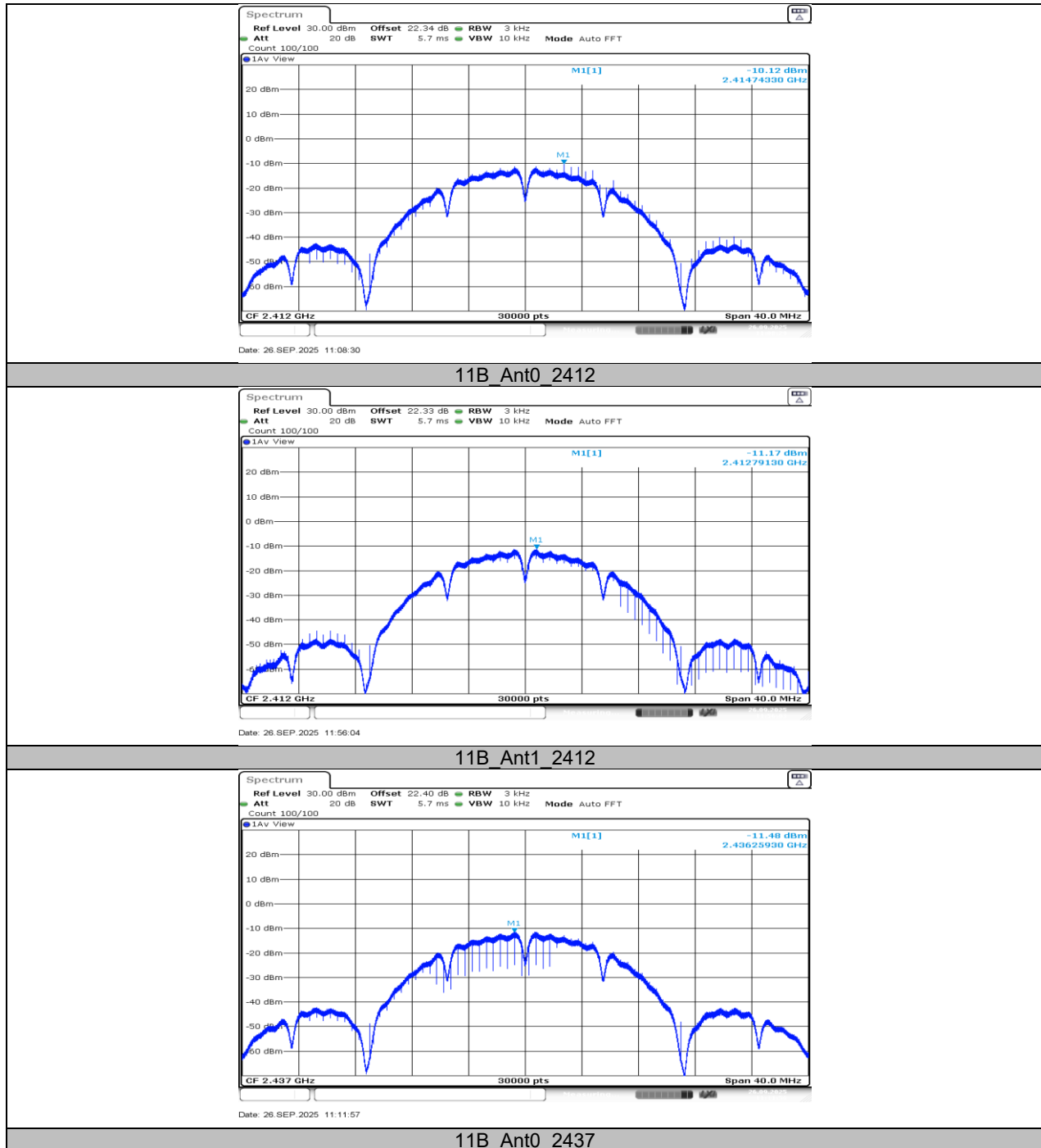
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

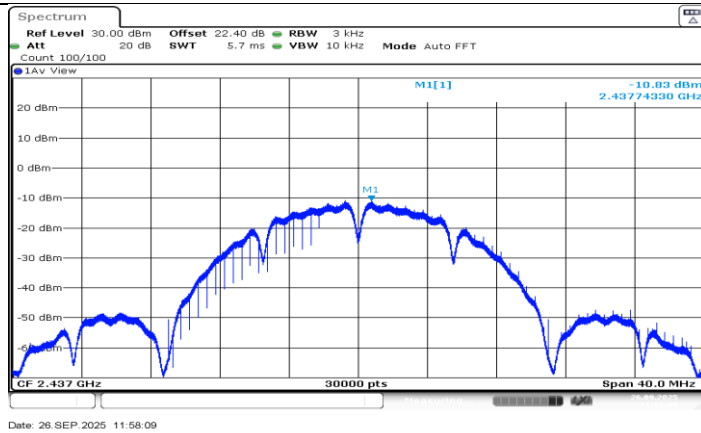
11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-10.12	≤8.00	PASS
	Ant1	2412	-11.17	≤8.00	PASS
	Ant0	2437	-11.48	≤8.00	PASS
	Ant1	2437	-10.83	≤8.00	PASS
	Ant0	2462	-11.64	≤8.00	PASS
	Ant1	2462	-11.41	≤8.00	PASS
11G	Ant0	2412	-15.75	≤8.00	PASS
	Ant1	2412	-15.90	≤8.00	PASS
	Ant0	2437	-16.01	≤8.00	PASS
	Ant1	2437	-15.77	≤8.00	PASS
	Ant0	2462	-15.54	≤8.00	PASS
	Ant1	2462	-15.51	≤8.00	PASS
11N20MIMO	Ant0	2412	-16.21	≤8.00	PASS
	Ant1	2412	-16.25	≤8.00	PASS
	total	2412	-13.22	≤8.00	PASS
	Ant0	2437	-16.42	≤8.00	PASS
	Ant1	2437	-16.39	≤8.00	PASS
	total	2437	-13.39	≤8.00	PASS
	Ant0	2462	-16.28	≤8.00	PASS
	Ant1	2462	-16.07	≤8.00	PASS
	total	2462	-13.16	≤8.00	PASS
11N40MIMO	Ant0	2422	-18.35	≤8.00	PASS
	Ant1	2422	-18.85	≤8.00	PASS
	total	2422	-15.58	≤8.00	PASS
	Ant0	2437	-18.87	≤8.00	PASS
	Ant1	2437	-18.57	≤8.00	PASS
	total	2437	-15.71	≤8.00	PASS
	Ant0	2452	-18.95	≤8.00	PASS
	Ant1	2452	-18.77	≤8.00	PASS
	total	2452	-15.85	≤8.00	PASS

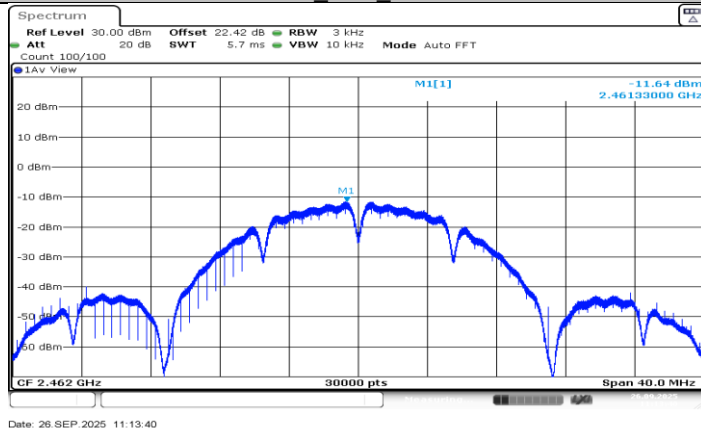
Note: 1. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.

11.4.2. Test Graphs

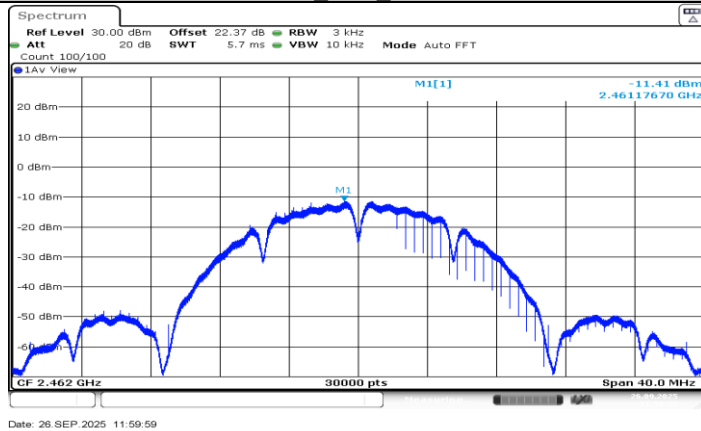




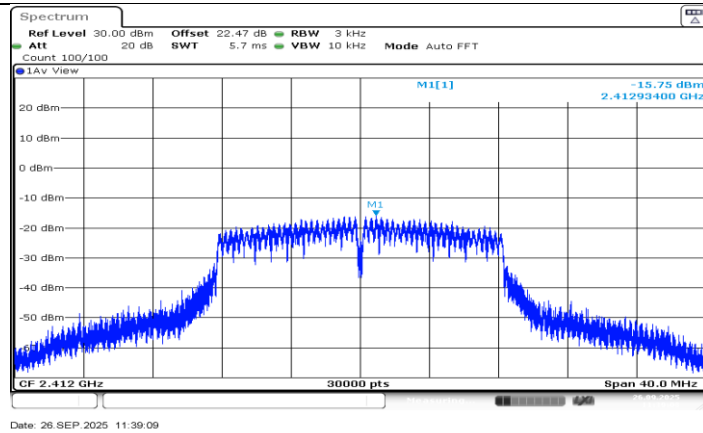
11B_Ant1_2437



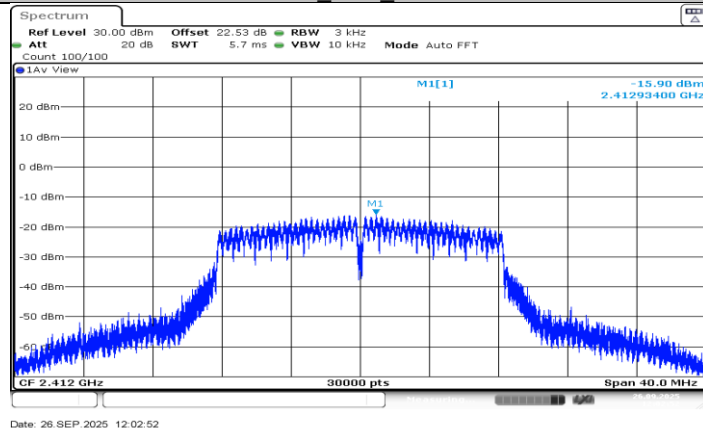
11B_Ant0_2462



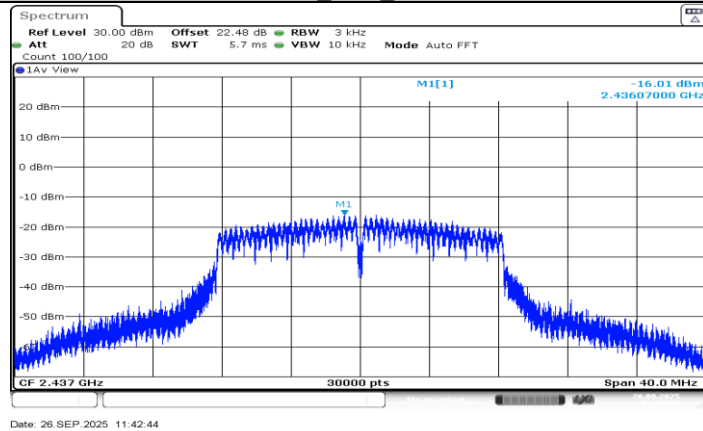
11B_Ant1_2462



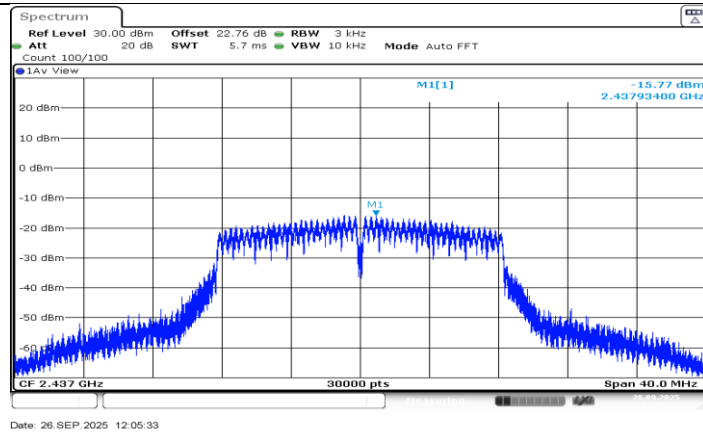
11G_Ant0_2412



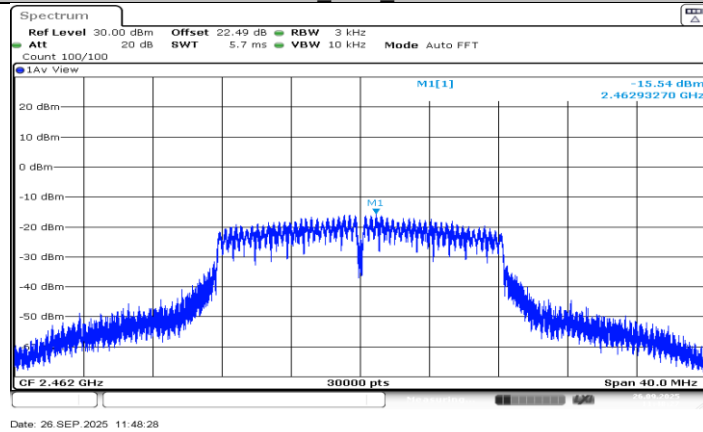
11G_Ant1_2412



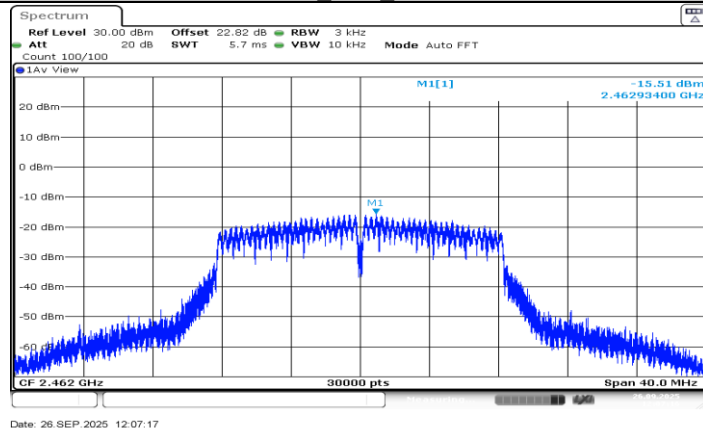
11G_Ant0_2437



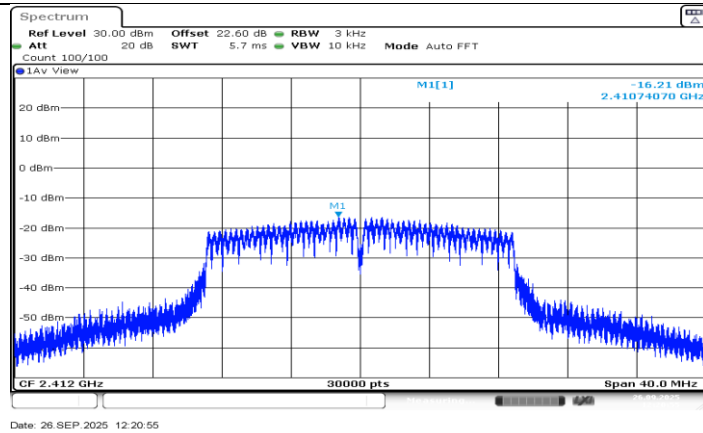
11G_Ant1_2437



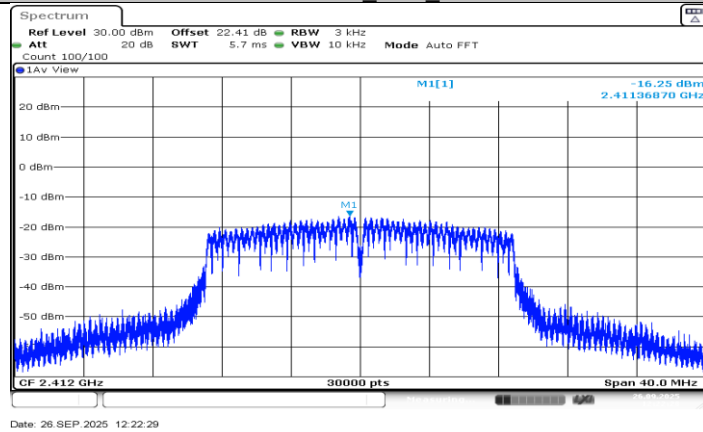
11G_Ant0_2462



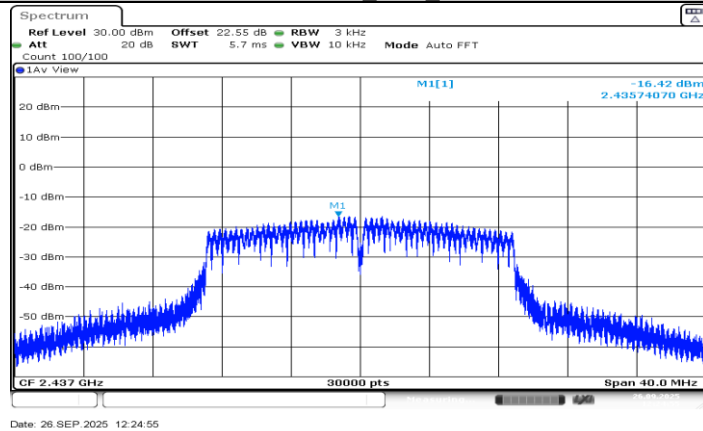
11G_Ant1_2462



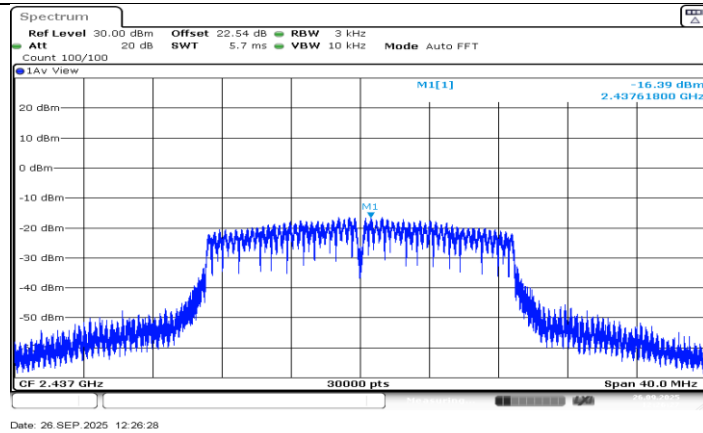
11N20MIMO_Ant0_2412



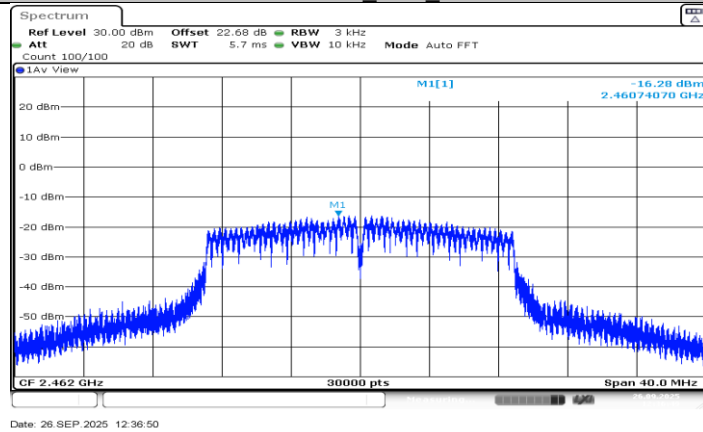
11N20MIMO_Ant1_2412



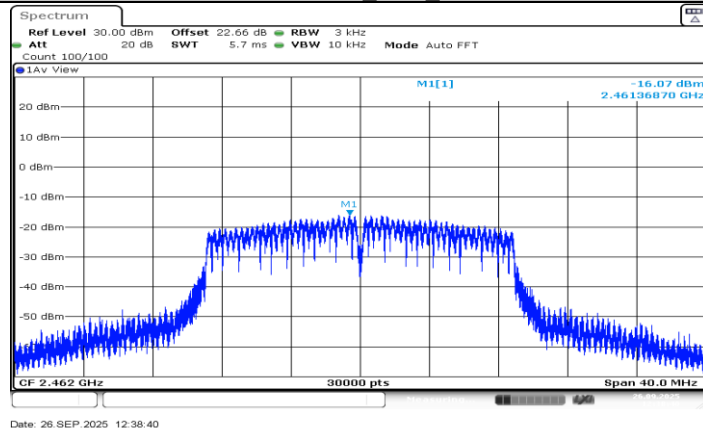
11N20MIMO_Ant0_2437



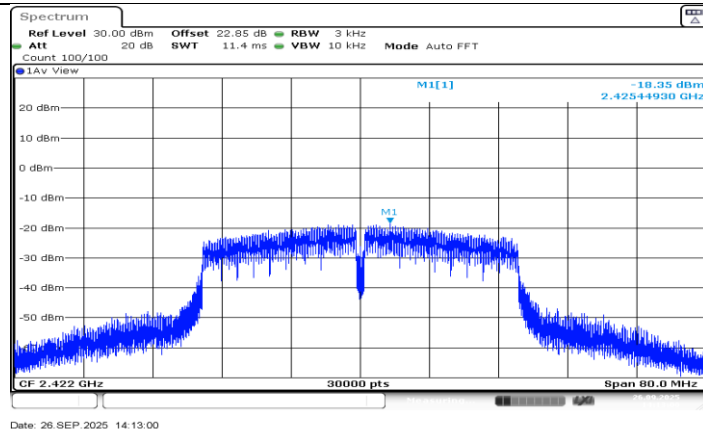
11N20MIMO_Ant1_2437



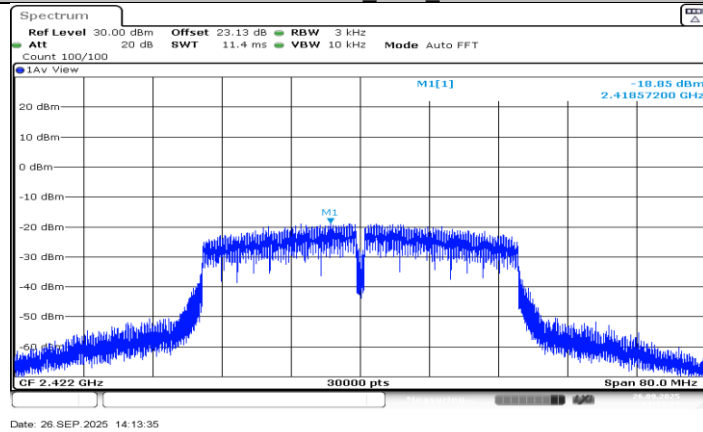
11N20MIMO_Ant0_2462



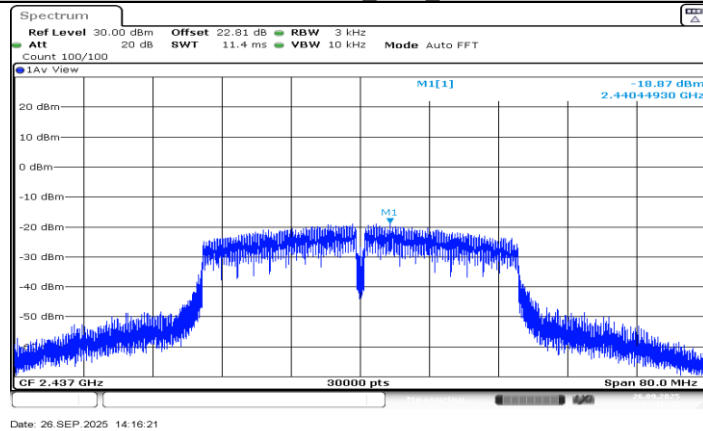
11N20MIMO_Ant1_2462



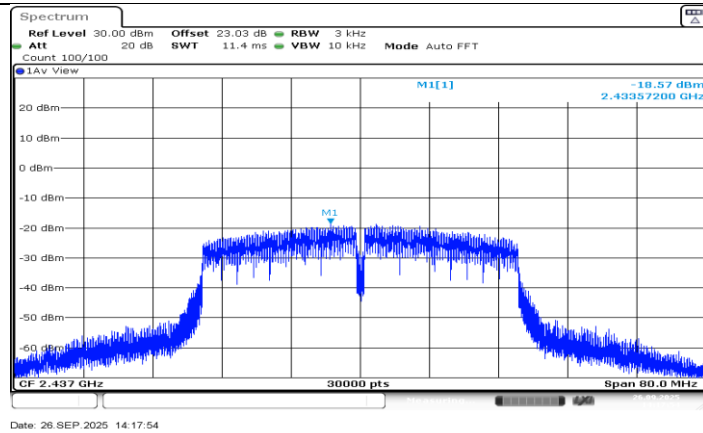
11N40MIMO_Ant0_2422



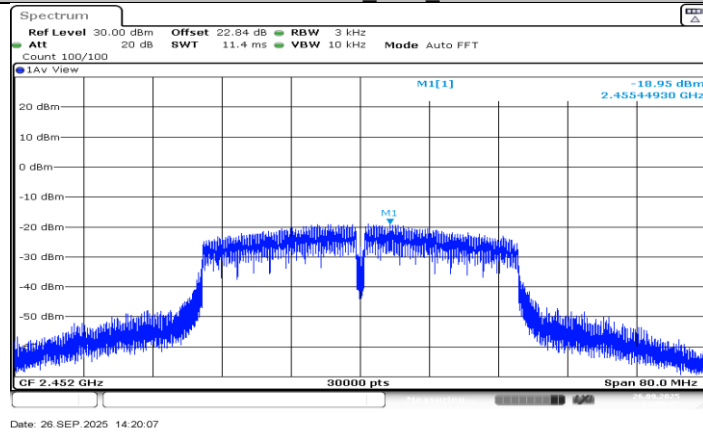
11N40MIMO_Ant1_2422



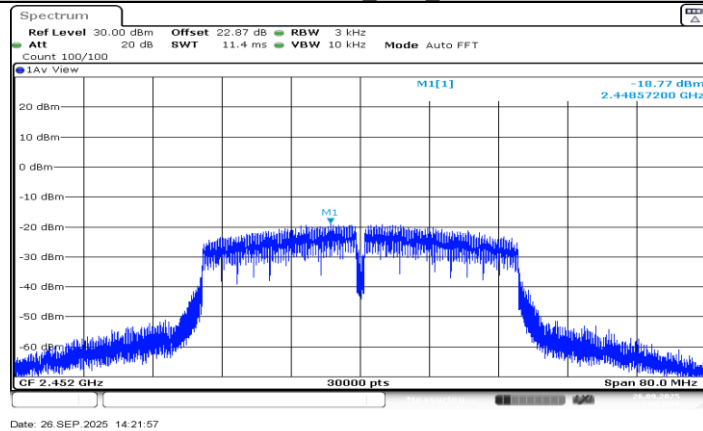
11N40MIMO_Ant0_2437



11N40MIMO_Ant1_2437



11N40MIMO_Ant0_2452



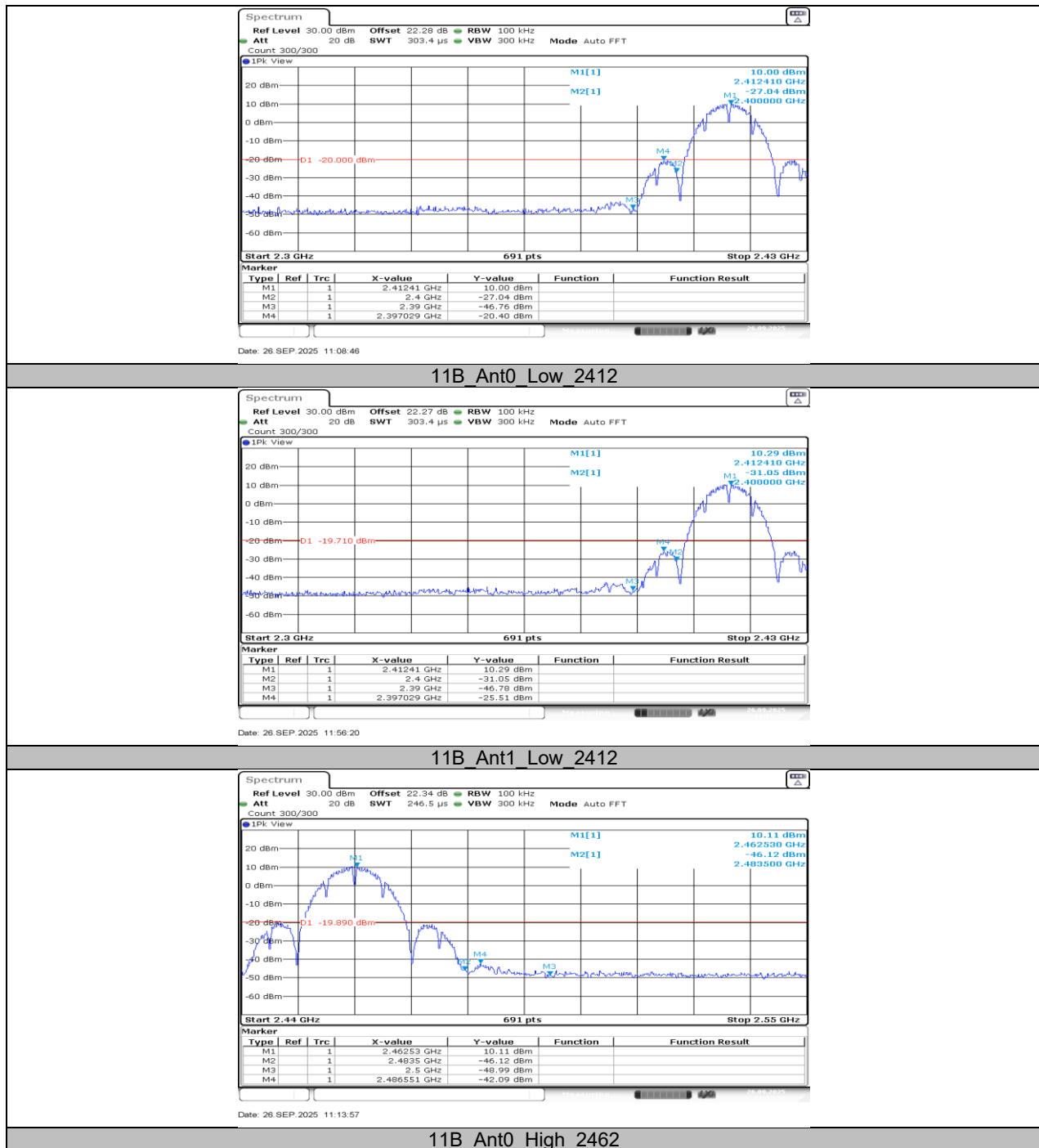
11N40MIMO_Ant1_2452

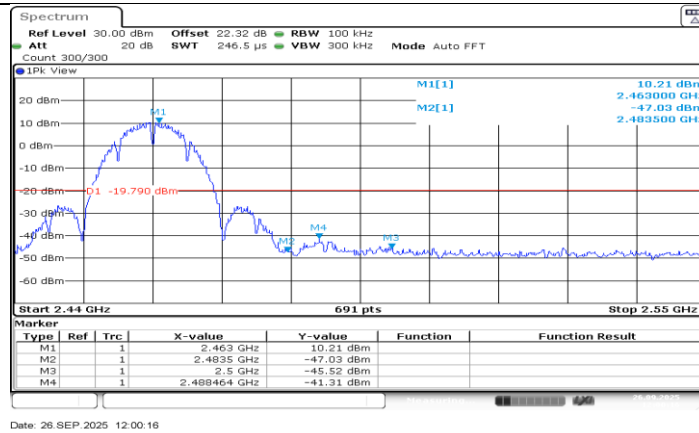
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

11.5.1. Test Result

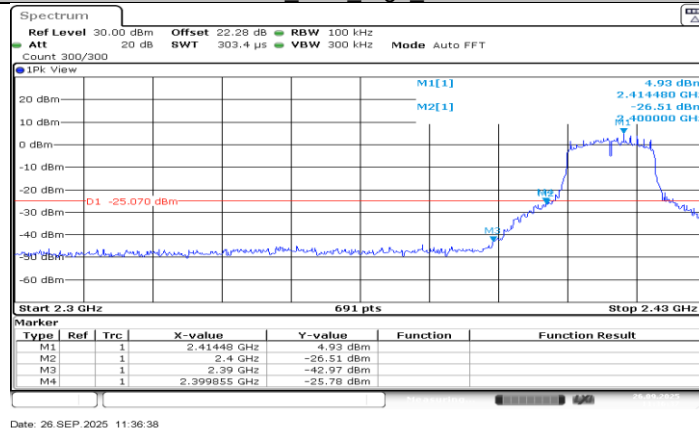
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	10.00	-20.4	≤-20	PASS
	Ant1	Low	2412	10.29	-25.51	≤-19.71	PASS
	Ant0	High	2462	10.11	-42.09	≤-19.89	PASS
	Ant1	High	2462	10.21	-41.31	≤-19.79	PASS
11G	Ant0	Low	2412	4.93	-25.78	≤-25.07	PASS
	Ant1	Low	2412	4.83	-28.08	≤-25.17	PASS
	Ant0	High	2462	5.55	-42.68	≤-24.45	PASS
	Ant1	High	2462	4.32	-44.42	≤-25.68	PASS
11N20MIMO	Ant0	Low	2412	5.69	-24.45	≤-24.31	PASS
	Ant1	Low	2412	5.85	-26.02	≤-24.15	PASS
	Ant0	High	2462	6.07	-37.63	≤-23.93	PASS
	Ant1	High	2462	5.26	-42.22	≤-24.74	PASS
11N40MIMO	Ant0	Low	2422	3.07	-28.1	≤-26.93	PASS
	Ant1	Low	2422	2.83	-31.34	≤-27.17	PASS
	Ant0	High	2452	3.04	-33.07	≤-26.96	PASS
	Ant1	High	2452	2.88	-37.42	≤-27.12	PASS

11.5.2. Test Graphs

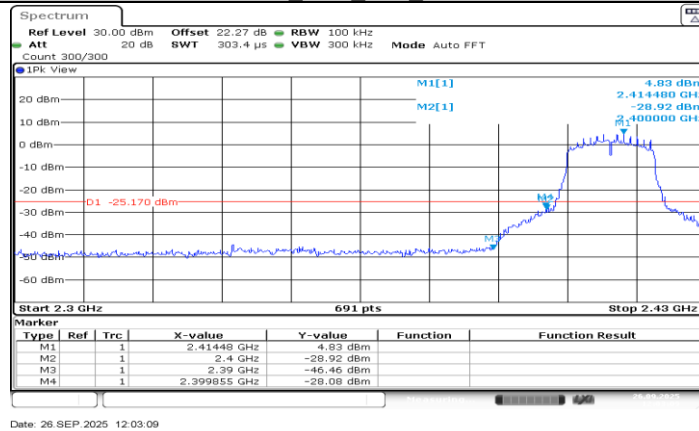




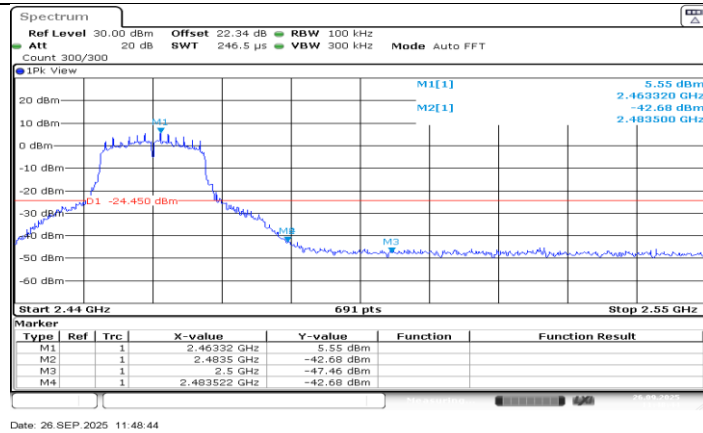
11B_Ant1_High_2462



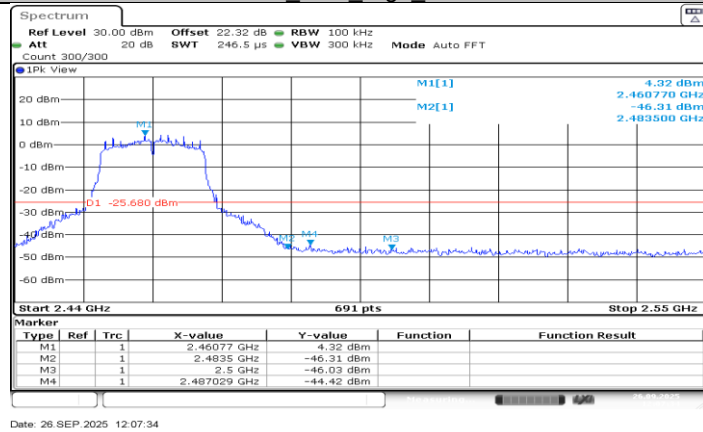
11G_Ant0_Low_2412



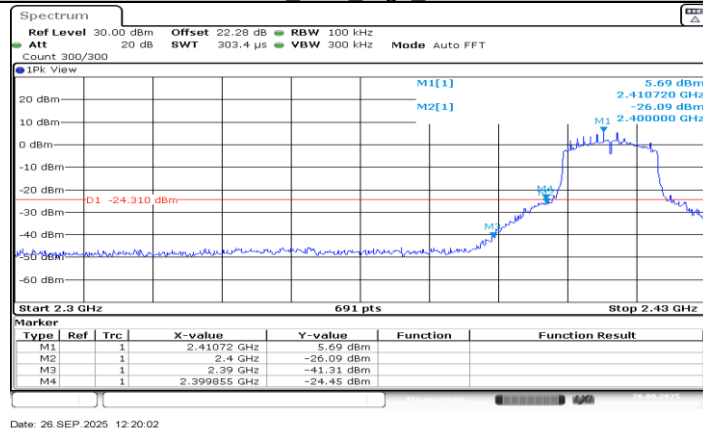
11G_Ant1_Low_2412



11G Ant0 High 2462



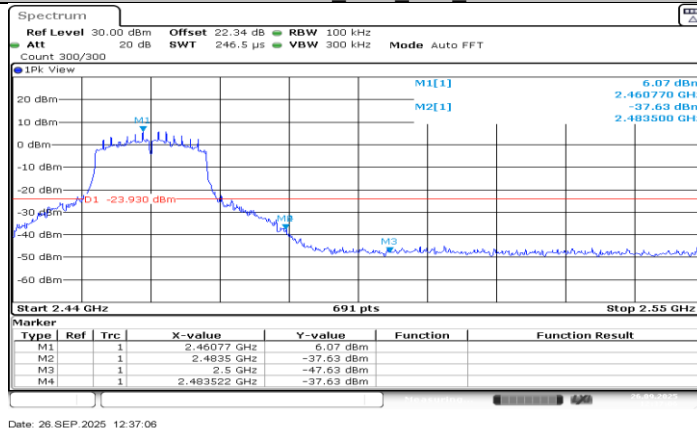
11G Ant1 High 2462



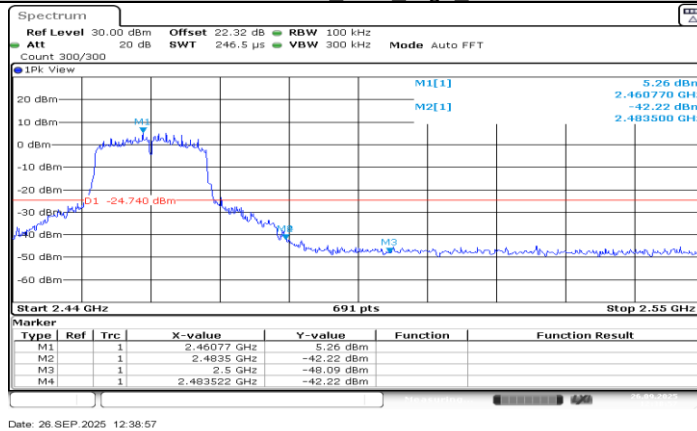
11N20MIMO Ant0 Low 2412



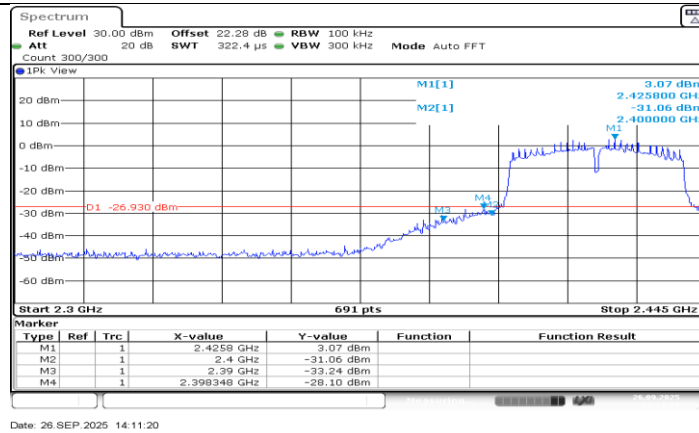
11N20MIMO Ant1 Low 2412



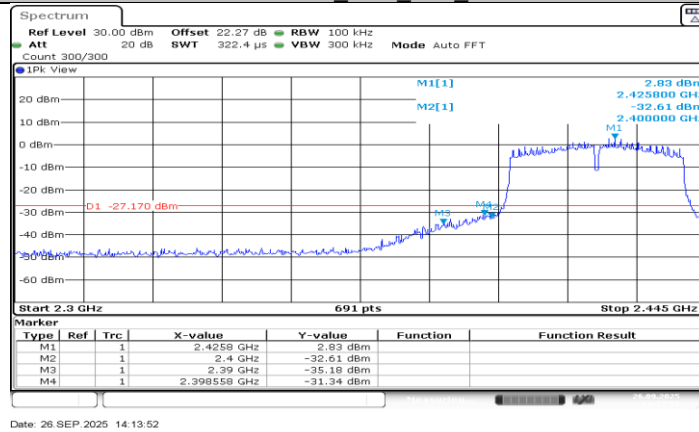
11N20MIMO Ant0 High 2462



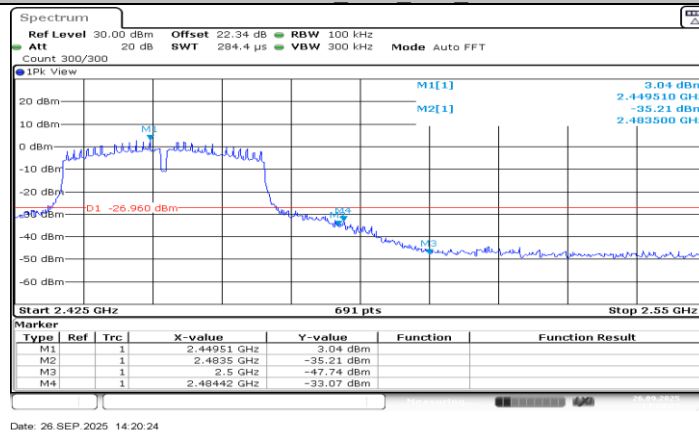
11N20MIMO Ant1 High 2462



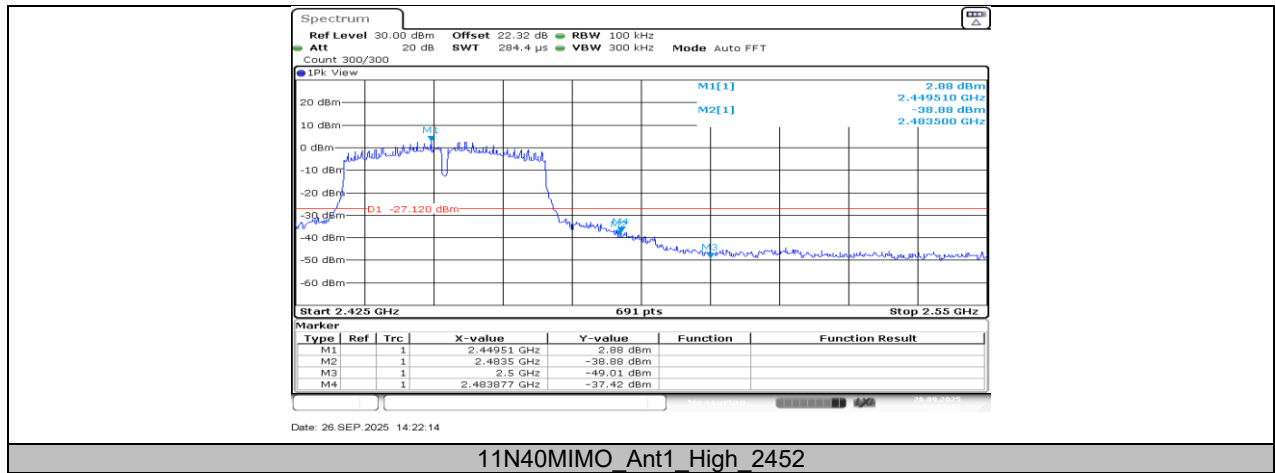
11N40MIMO Ant0 Low 2422



11N40MIMO Ant1 Low 2422



11N40MIMO Ant0 High 2452



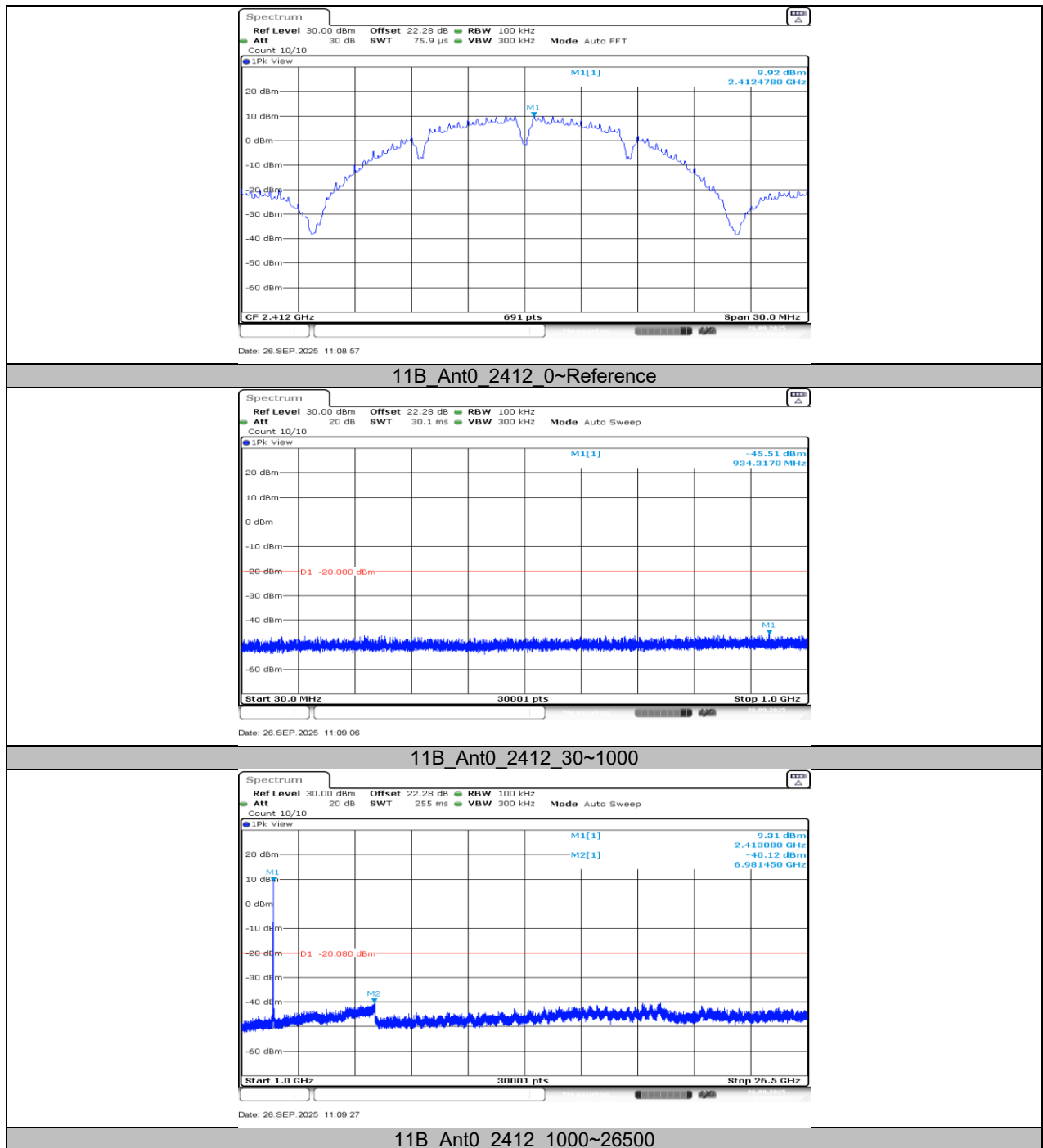
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

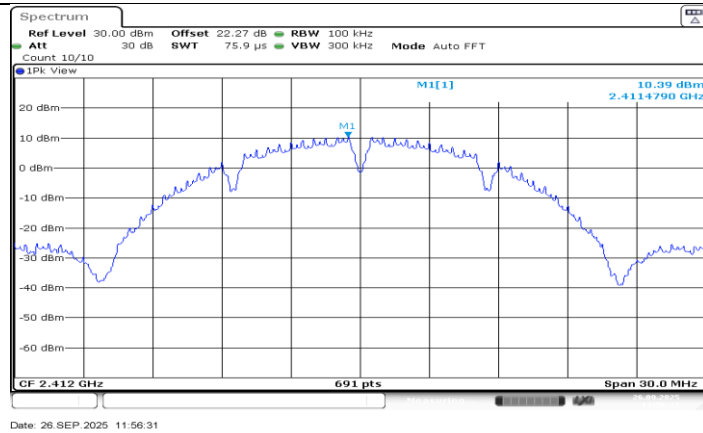
11.6.1. Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	9.92	---	PASS
			30~1000	-45.51	≤-20.08	PASS
			1000~26500	-40.12	≤-20.08	PASS
	Ant1	2412	Reference	10.39	---	PASS
			30~1000	-45.19	≤-19.61	PASS
			1000~26500	-40.15	≤-19.61	PASS
	Ant0	2437	Reference	10.09	---	PASS
			30~1000	-45.07	≤-19.91	PASS
			1000~26500	-39.96	≤-19.91	PASS
	Ant1	2437	Reference	10.39	---	PASS
			30~1000	-45.12	≤-19.61	PASS
			1000~26500	-40.43	≤-19.61	PASS
	Ant0	2462	Reference	10.15	---	PASS
			30~1000	-45.52	≤-19.85	PASS
			1000~26500	-40.14	≤-19.85	PASS
	Ant1	2462	Reference	10.43	---	PASS
			30~1000	-45.33	≤-19.57	PASS
			1000~26500	-40.11	≤-19.57	PASS
11G	Ant0	2412	Reference	5.42	---	PASS
			30~1000	-45.19	≤-24.58	PASS
			1000~26500	-40.3	≤-24.58	PASS
	Ant1	2412	Reference	5.31	---	PASS
			30~1000	-45.22	≤-24.69	PASS
			1000~26500	-39.39	≤-24.69	PASS
	Ant0	2437	Reference	5.49	---	PASS
			30~1000	-45.05	≤-24.51	PASS
			1000~26500	-40.17	≤-24.51	PASS
	Ant1	2437	Reference	5.43	---	PASS
			30~1000	-44.9	≤-24.57	PASS
			1000~26500	-40.43	≤-24.57	PASS
	Ant0	2462	Reference	5.48	---	PASS
			30~1000	-44.13	≤-24.52	PASS
			1000~26500	-40.07	≤-24.52	PASS
	Ant1	2462	Reference	5.25	---	PASS
			30~1000	-44.29	≤-24.75	PASS
			1000~26500	-39.93	≤-24.75	PASS
11N20MIMO	Ant0	2412	Reference	5.52	---	PASS
			30~1000	-44.31	≤-24.48	PASS
			1000~26500	-38.6	≤-24.48	PASS
	Ant1	2412	Reference	5.67	---	PASS
			30~1000	-45.15	≤-24.33	PASS
			1000~26500	-39.89	≤-24.33	PASS
	Ant0	2437	Reference	5.67	---	PASS
			30~1000	-45.02	≤-24.33	PASS
			1000~26500	-40.4	≤-24.33	PASS
	Ant1	2437	Reference	5.53	---	PASS
			30~1000	-44.97	≤-24.47	PASS
			1000~26500	-40.39	≤-24.47	PASS
	Ant0	2462	Reference	5.92	---	PASS
			30~1000	-45.36	≤-24.08	PASS
			1000~26500	-40.6	≤-24.08	PASS
	Ant1	2462	Reference	5.34	---	PASS
			30~1000	-44.76	≤-24.66	PASS
			1000~26500	-40.01	≤-24.66	PASS
11N40MIMO	Ant0	2422	Reference	2.96	---	PASS

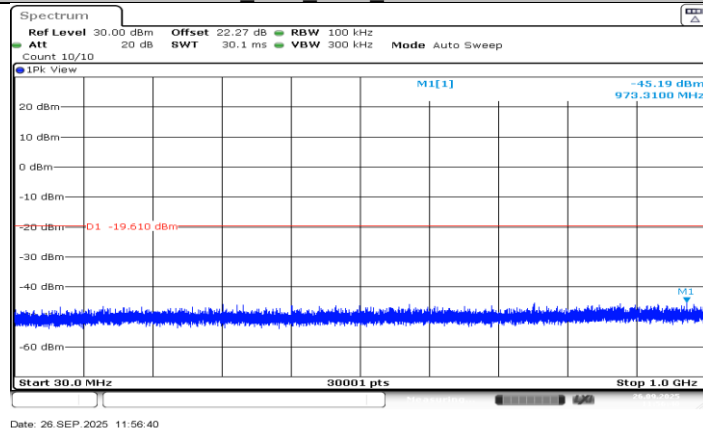
			30~1000	-43.19	≤ -27.04	PASS
			1000~26500	-40.66	≤ -27.04	PASS
	Ant1	2422	Reference	2.91	---	PASS
			30~1000	-45.32	≤ -27.09	PASS
			1000~26500	-40.09	≤ -27.09	PASS
	Ant0	2437	Reference	2.72	---	PASS
			30~1000	-44.36	≤ -27.28	PASS
			1000~26500	-39.63	≤ -27.28	PASS
	Ant1	2437	Reference	2.89	---	PASS
			30~1000	-45.21	≤ -27.11	PASS
			1000~26500	-40.2	≤ -27.11	PASS
	Ant0	2452	Reference	2.83	---	PASS
			30~1000	-43.68	≤ -27.17	PASS
			1000~26500	-39.65	≤ -27.17	PASS
	Ant1	2452	Reference	2.62	---	PASS
			30~1000	-45.33	≤ -27.38	PASS
			1000~26500	-38.48	≤ -27.38	PASS

11.6.2. Test Graphs

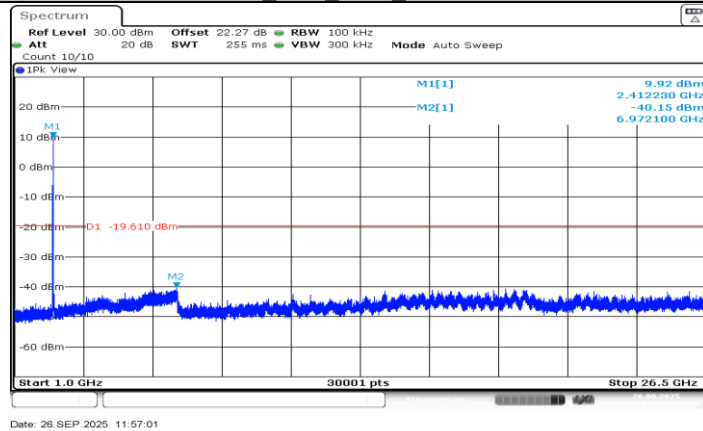




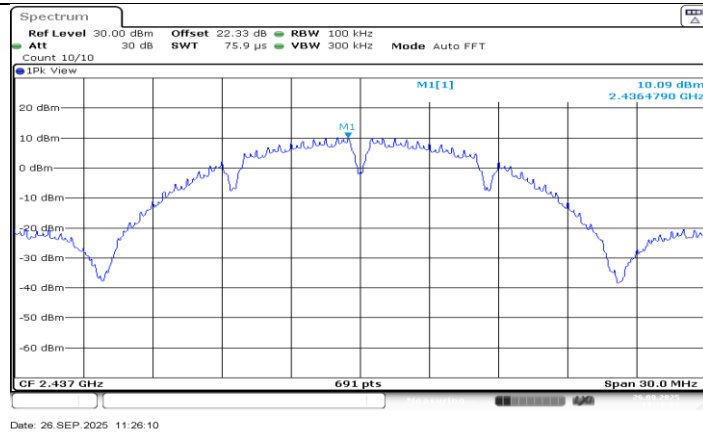
11B_Ant1_2412_0~Reference



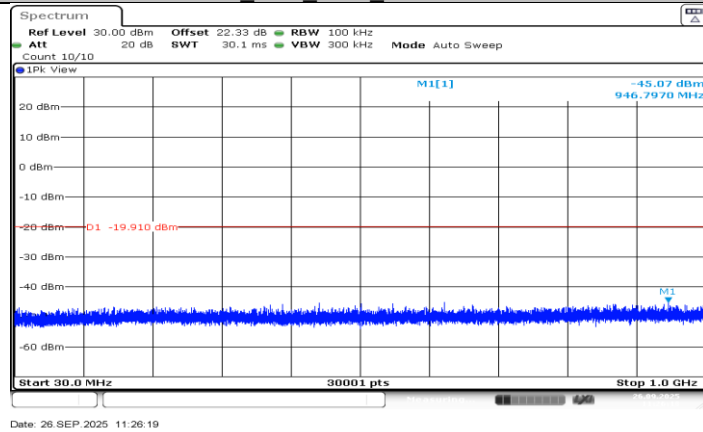
11B_Ant1_2412_30~1000



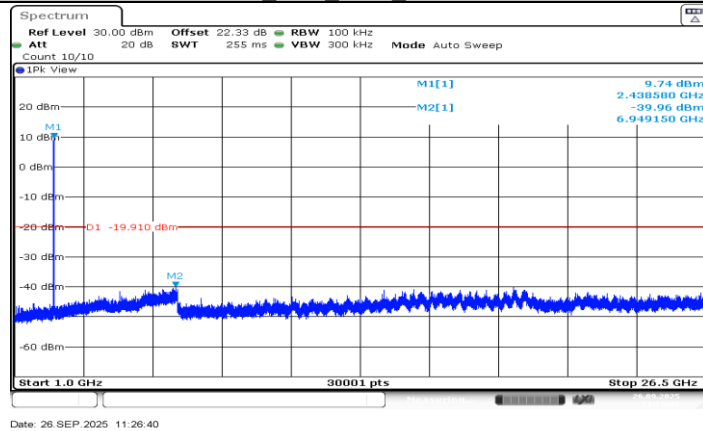
11B_Ant1_2412_1000~26500



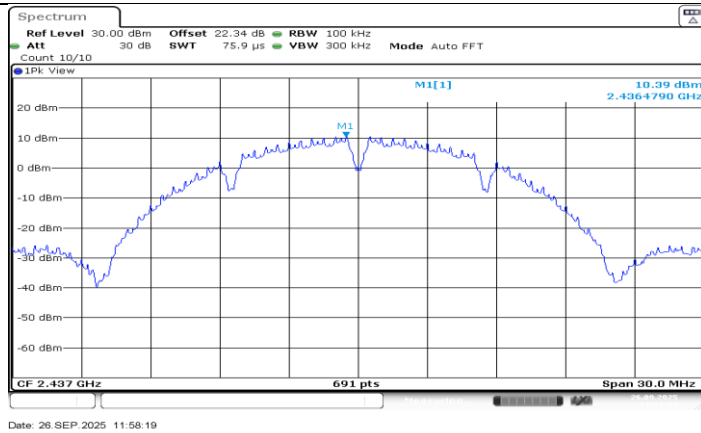
11B_Ant0_2437_0~Reference



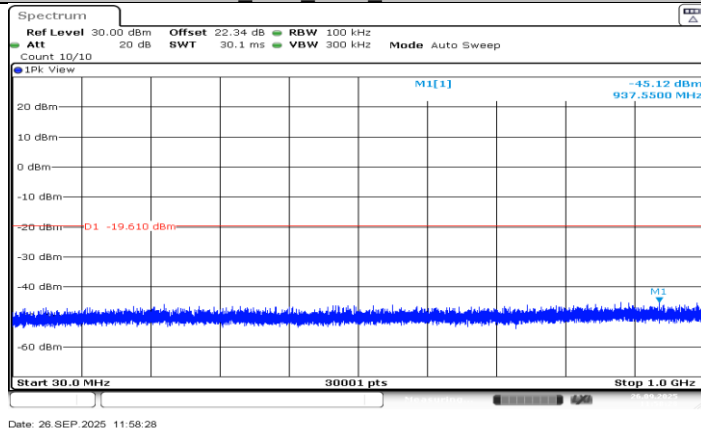
11B_Ant0_2437_30~1000



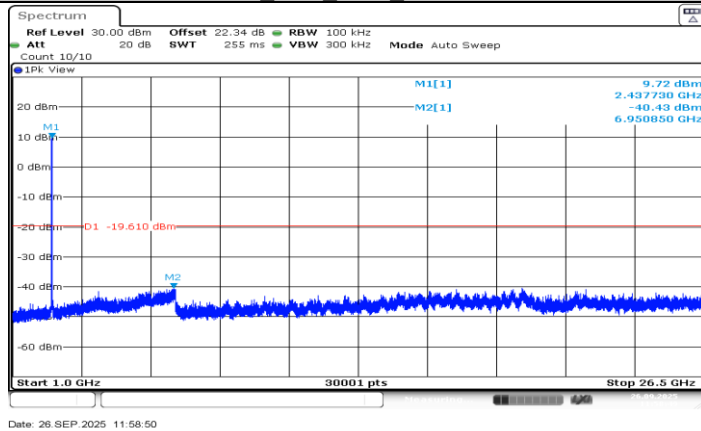
11B_Ant0_2437_1000~26500



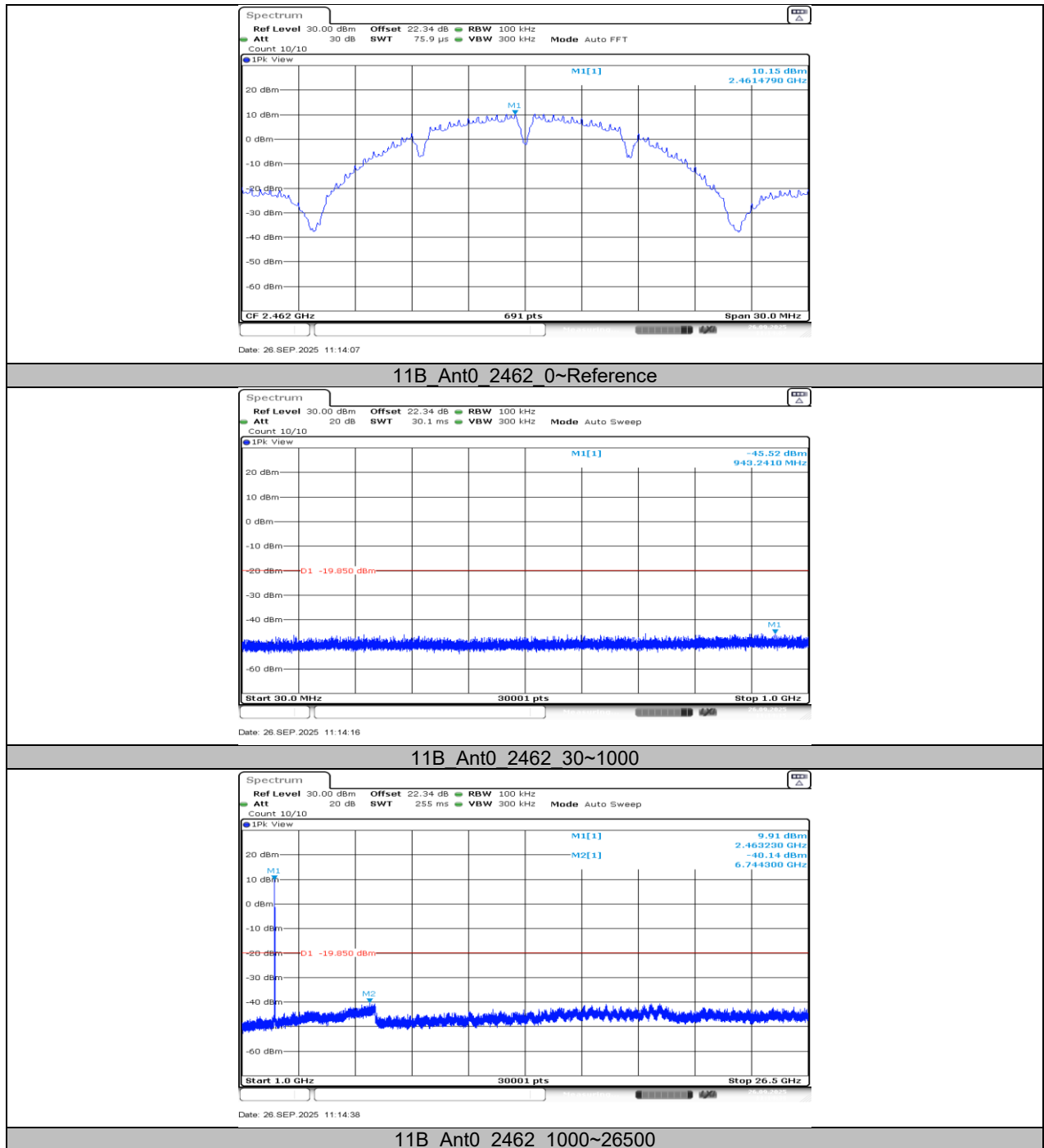
11B_Ant1_2437_0~Reference

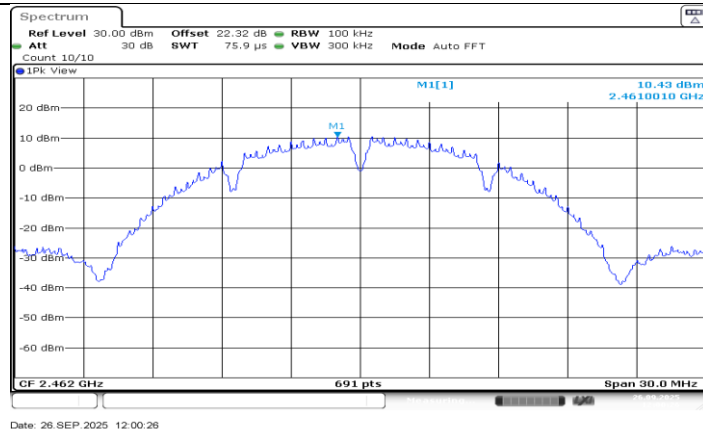


11B_Ant1_2437_30~1000

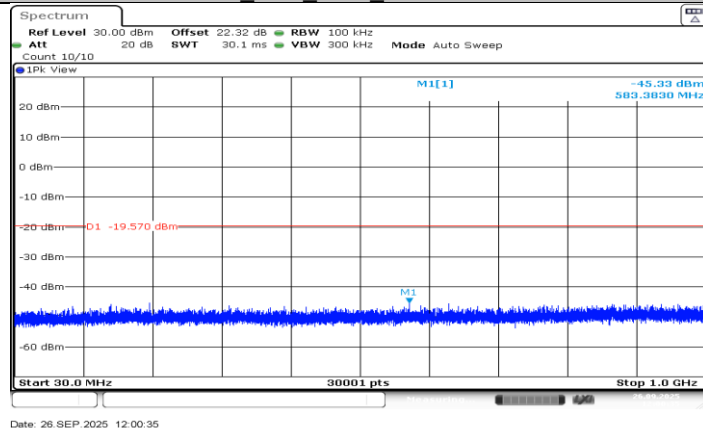


11B_Ant1_2437_1000~26500

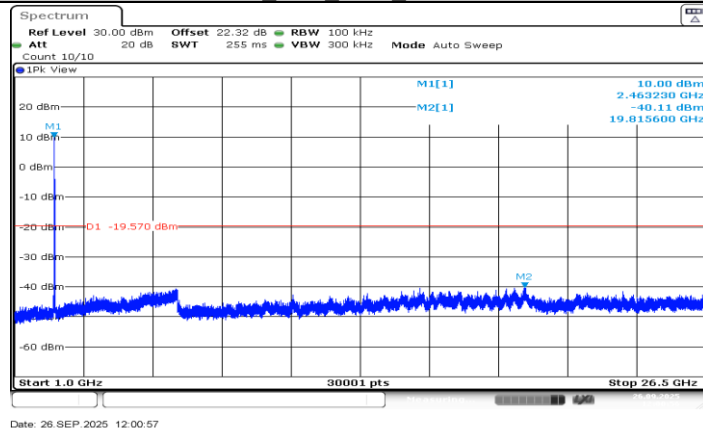




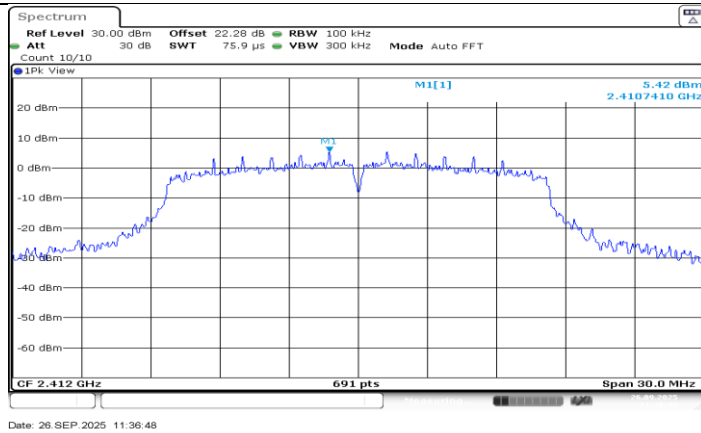
11B_Ant1_2462_0~Reference



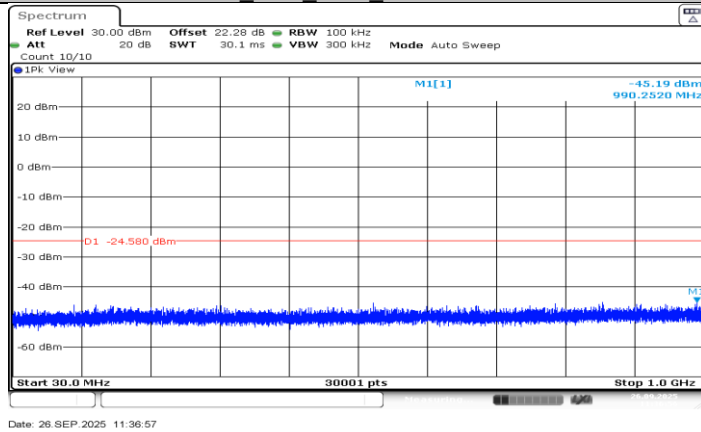
11B_Ant1_2462_30~1000



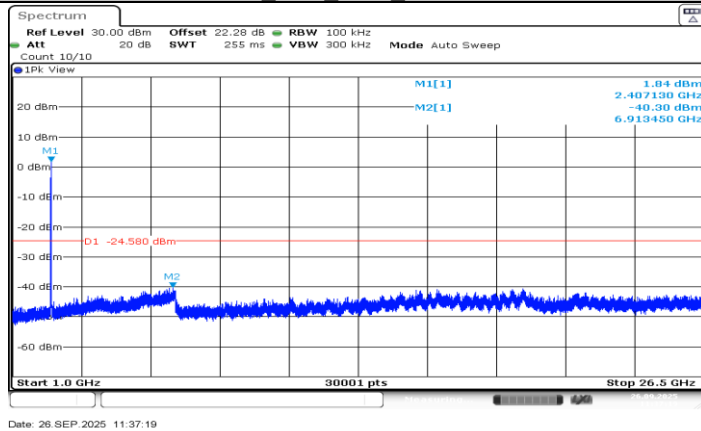
11B_Ant1_2462_1000~26500



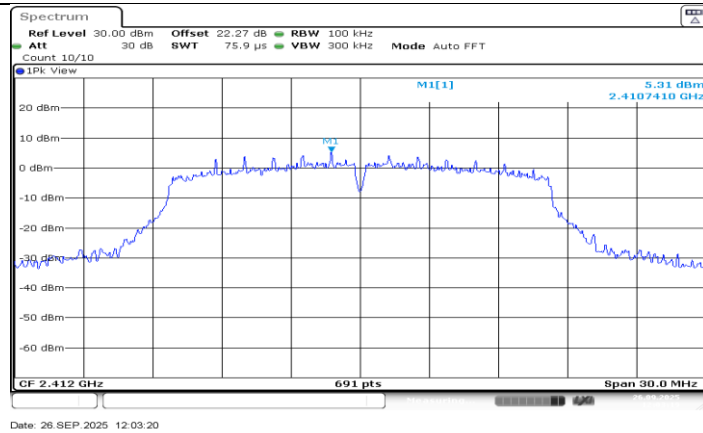
11G_Ant0_2412_0~Reference



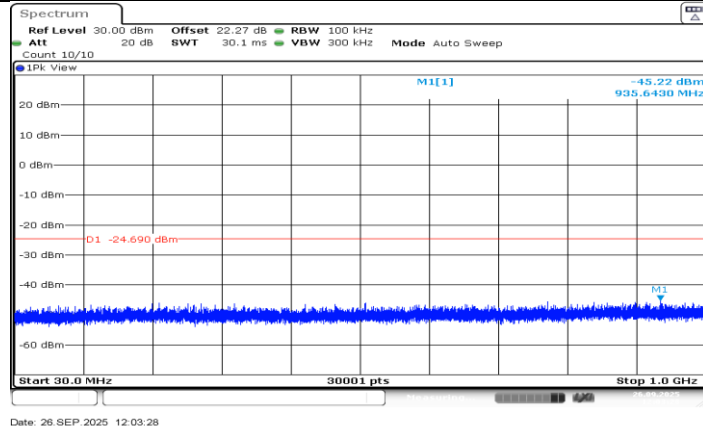
11G_Ant0_2412_30~1000



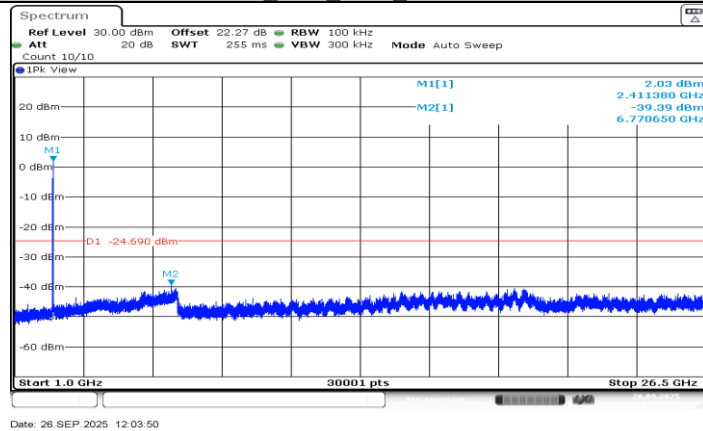
11G_Ant0_2412_1000~26500



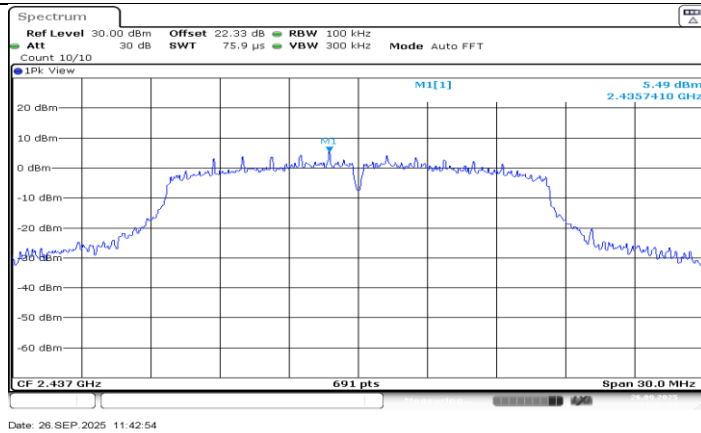
11G_Ant1_2412_0~Reference



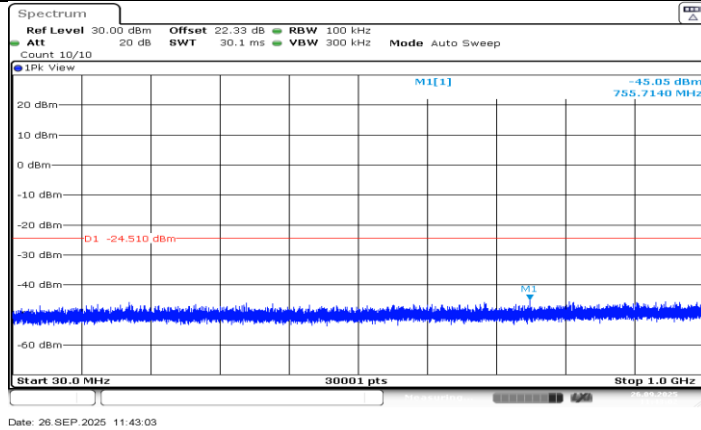
11G_Ant1_2412_30~1000



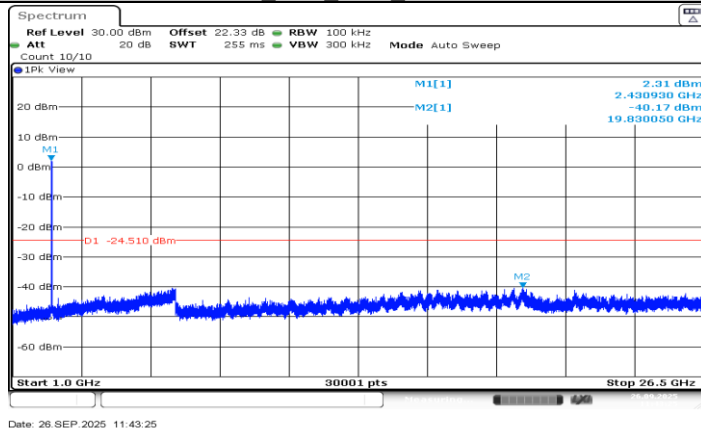
11G_Ant1_2412_1000~26500



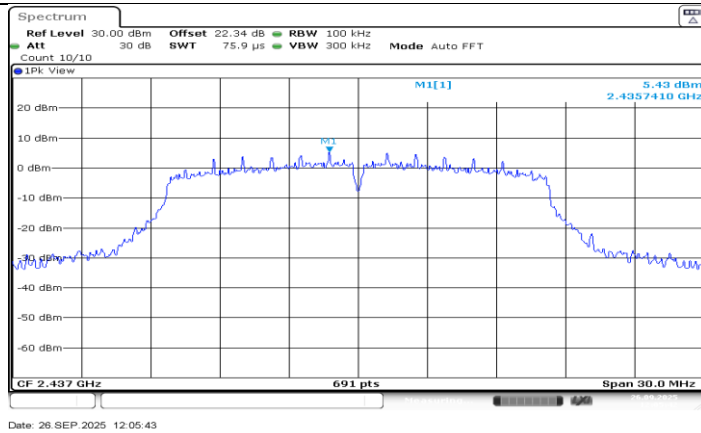
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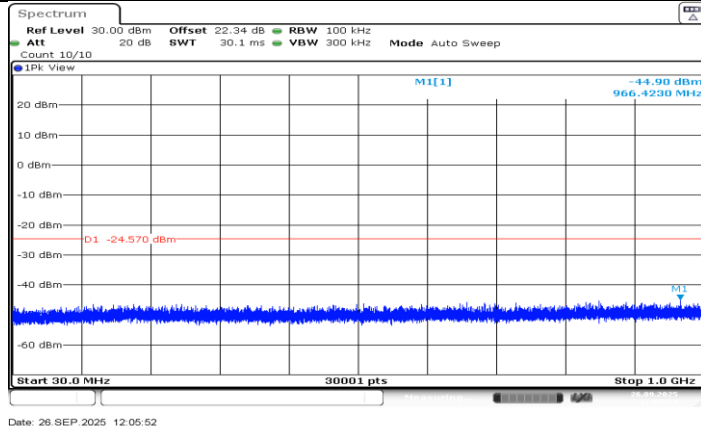
11G_Ant0_2437_30~1000



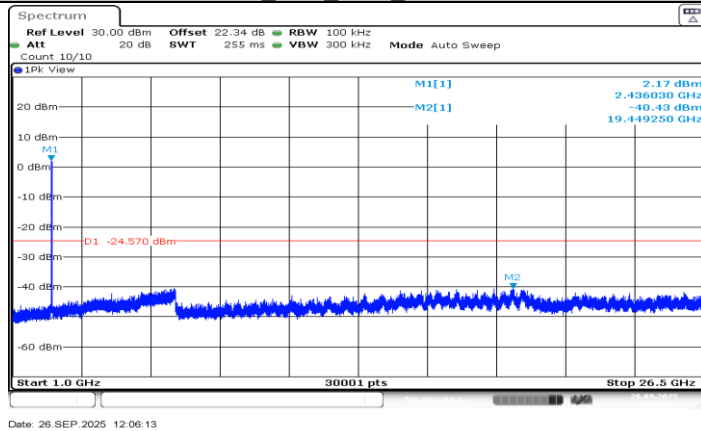
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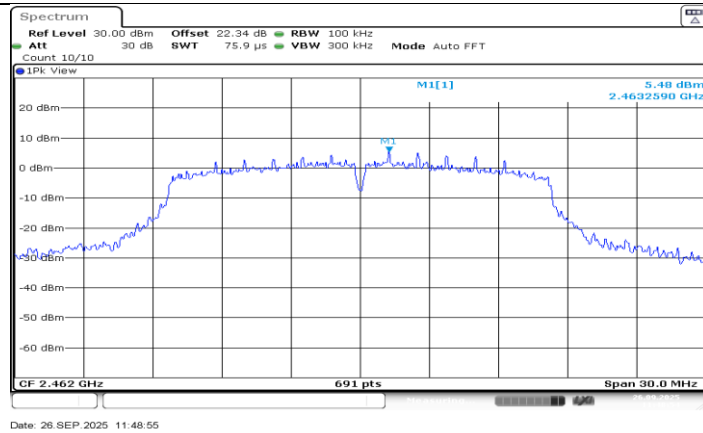
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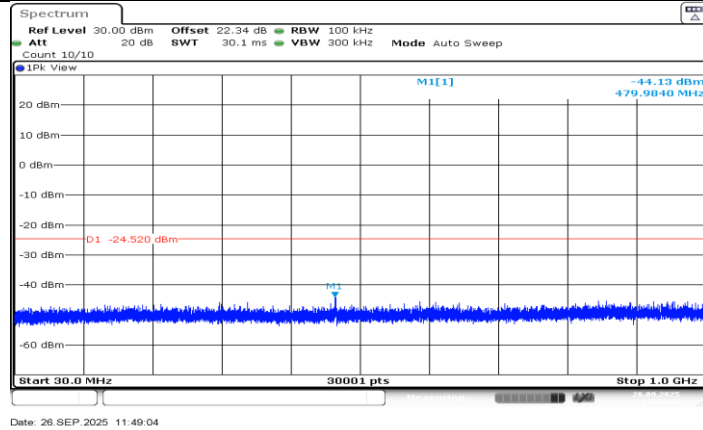
11G_Ant1_2437_1000~26500



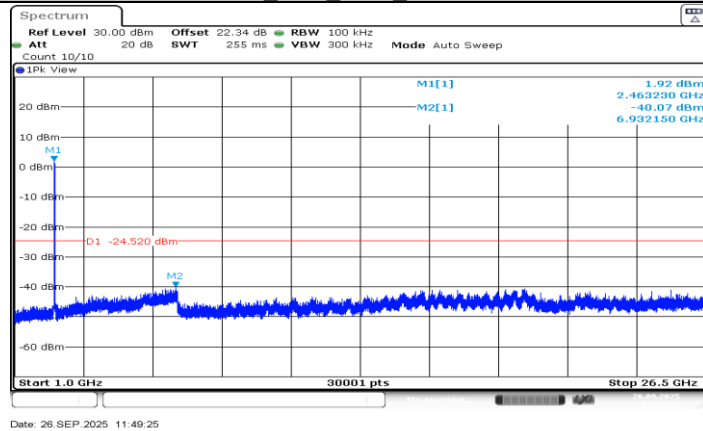
11G_Ant1_2437_1000~26500



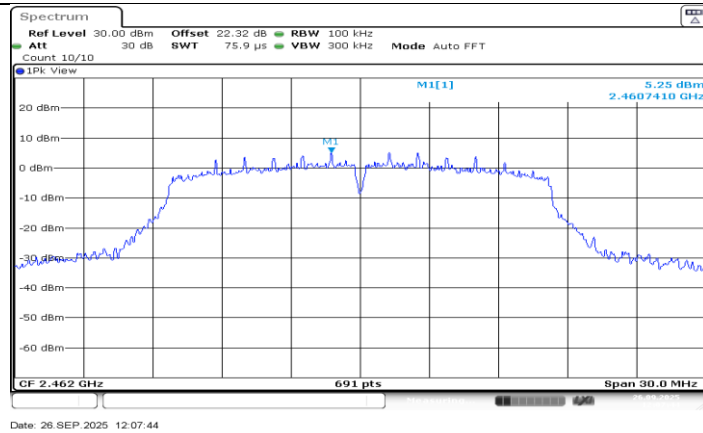
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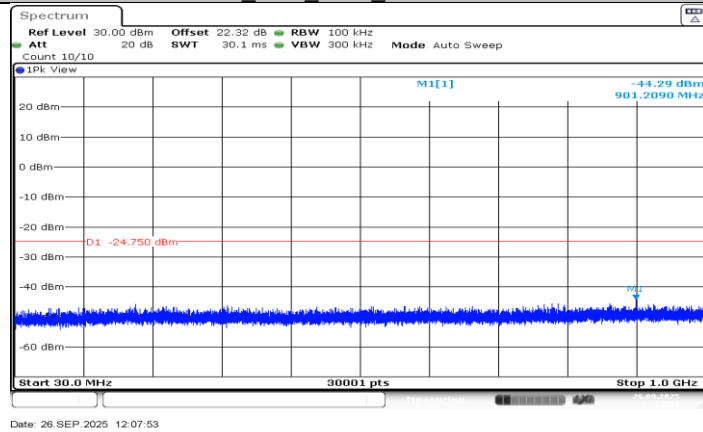
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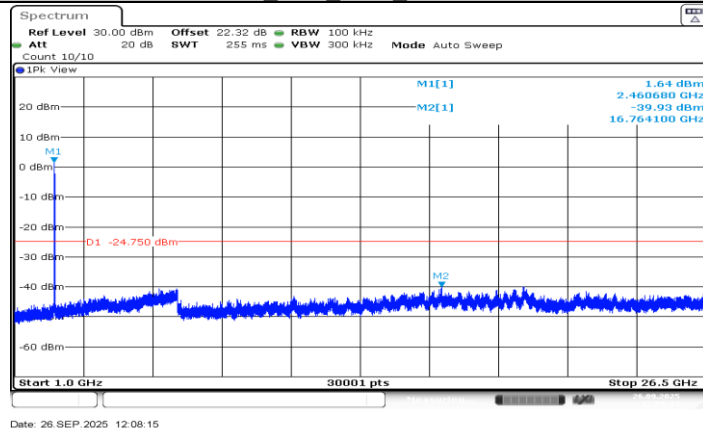
11G_Ant0_2462_1000~26500



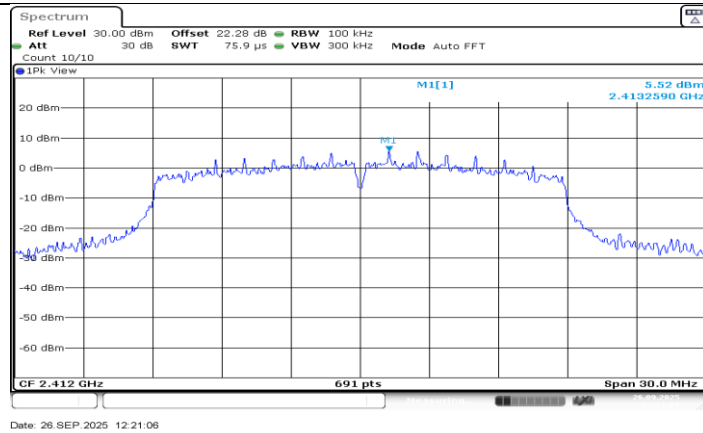
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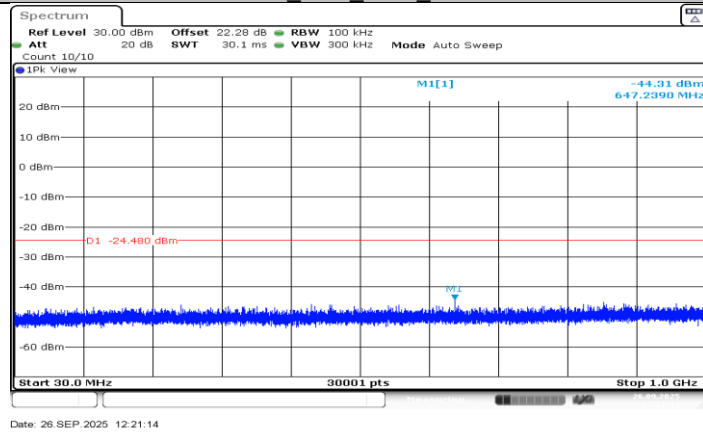
11G_Ant1_2462_30~1000



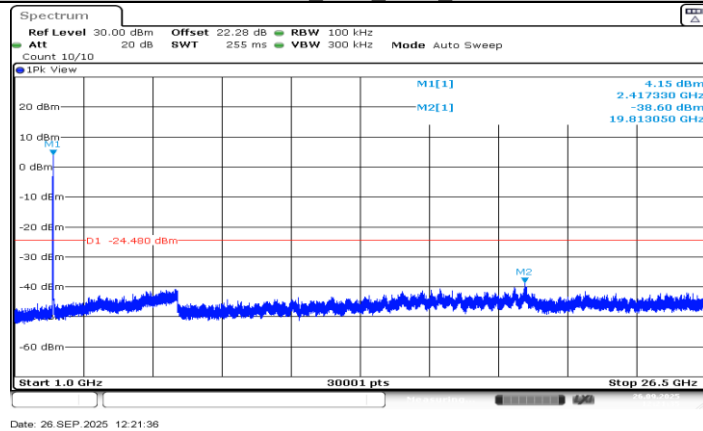
11G_Ant1_2462_1000~26500



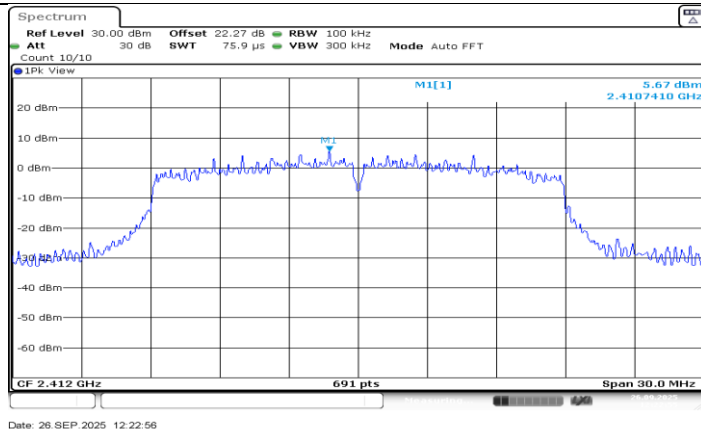
11N20MIMO_Ant0_2412_0~Reference



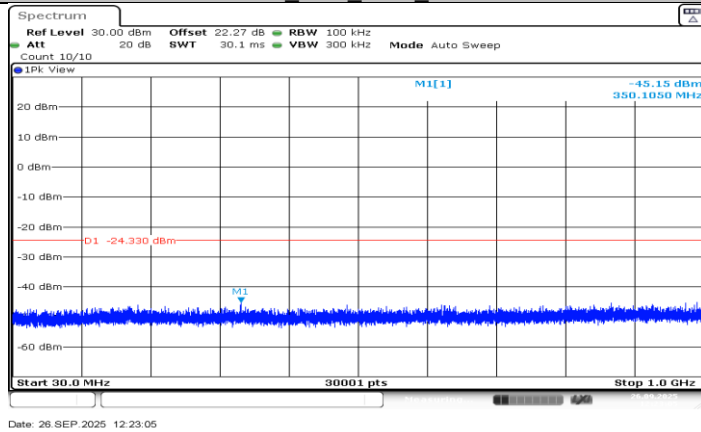
11N20MIMO_Ant0_2412_30~1000



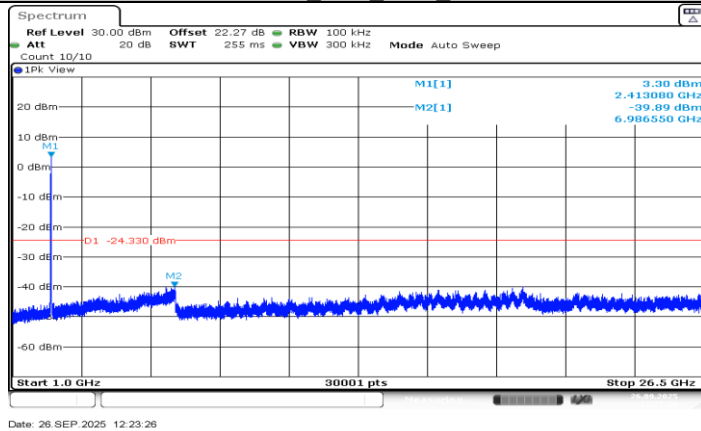
11N20MIMO_Ant0_2412_1000~26500



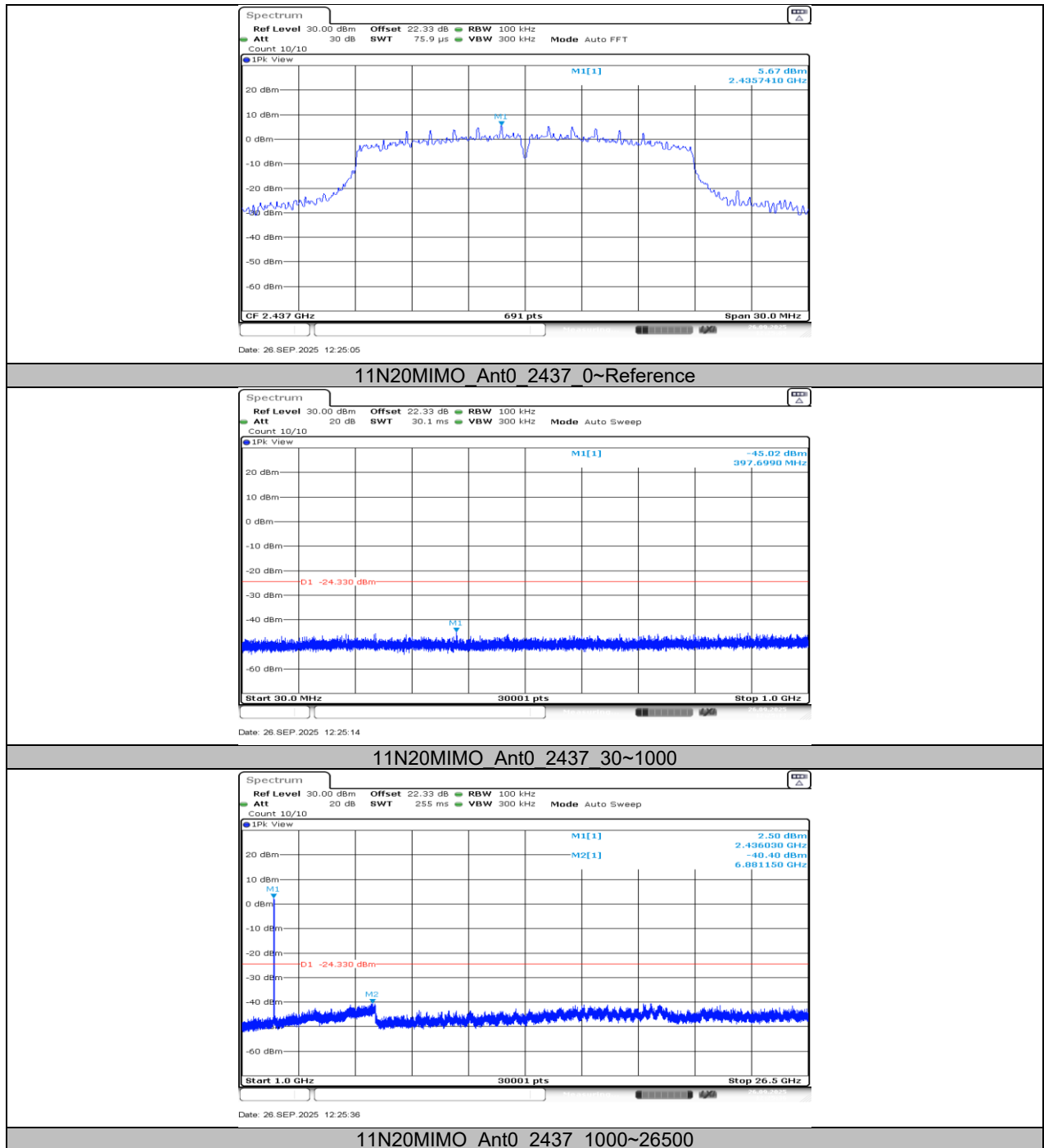
11N20MIMO Ant1_2412_0~Reference

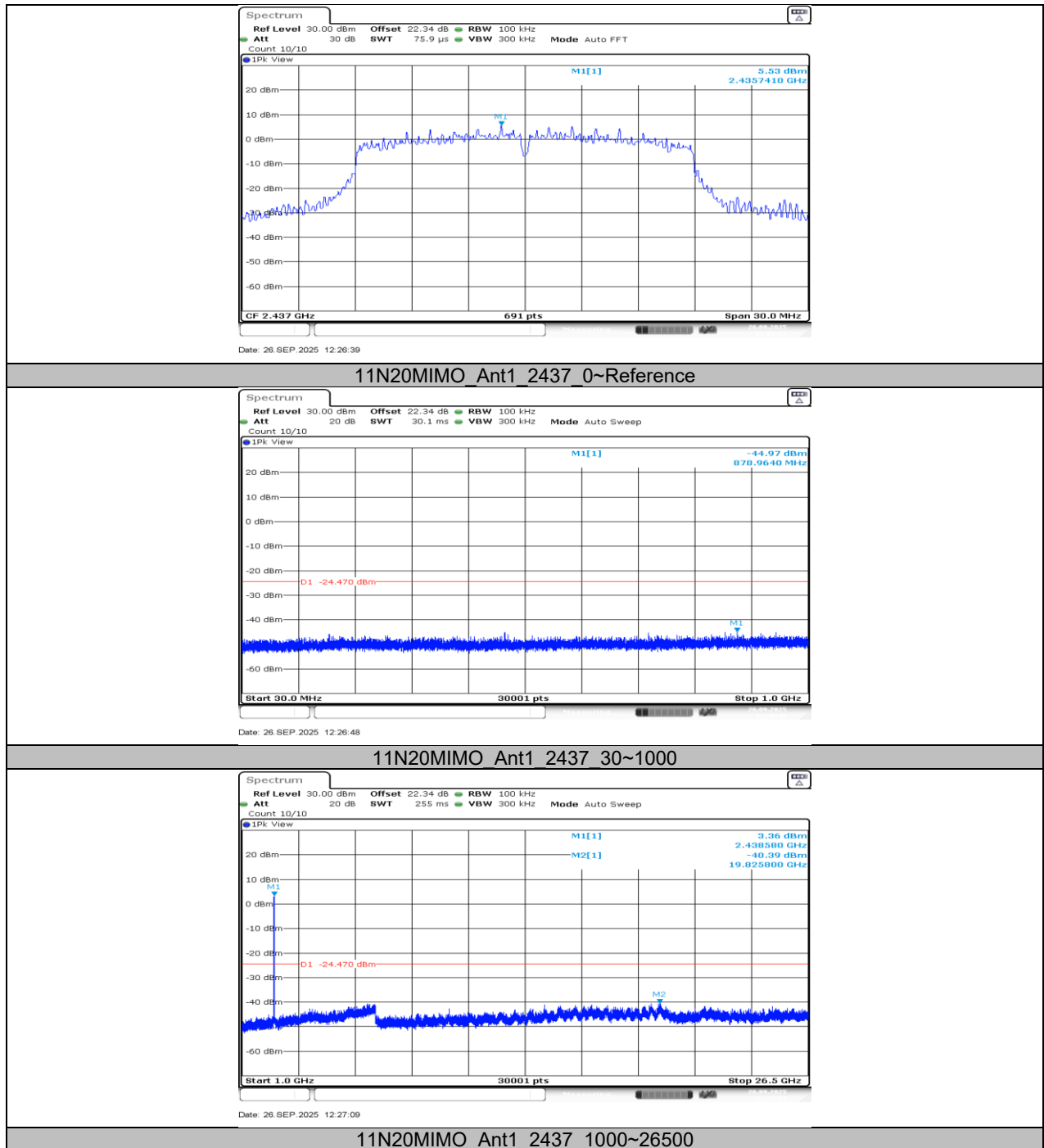


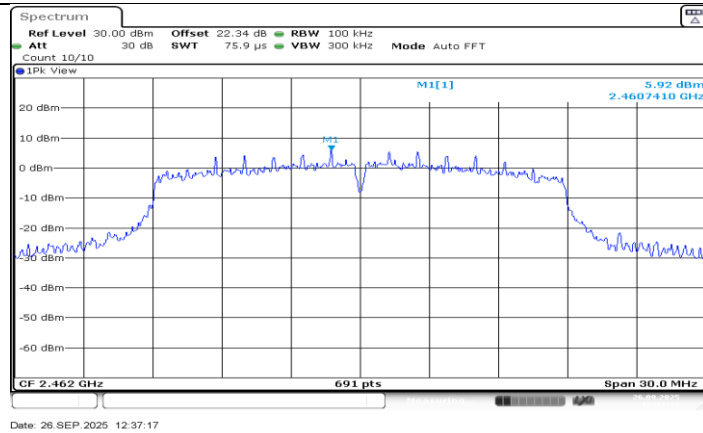
11N20MIMO Ant1_2412_30~1000



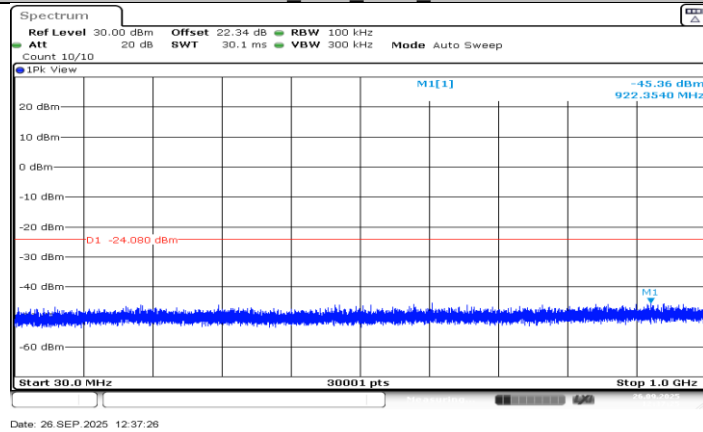
11N20MIMO Ant1_2412_1000~26500



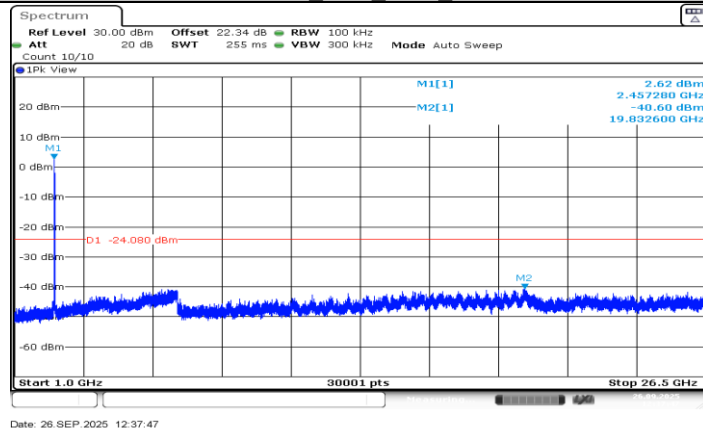




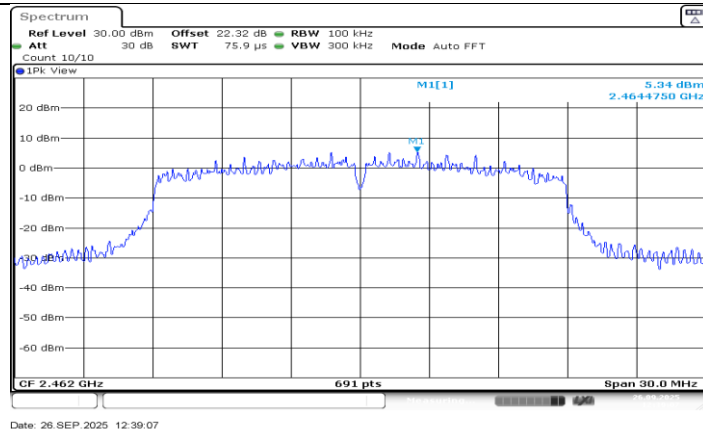
11N20MIMO Ant0_2462_0~Reference



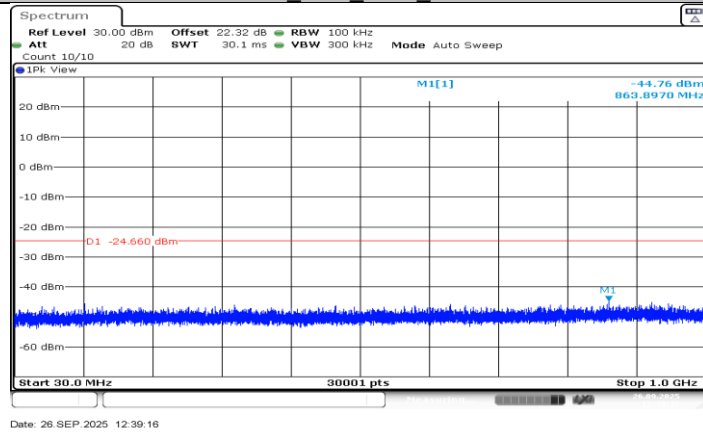
11N20MIMO Ant0_2462_30~1000



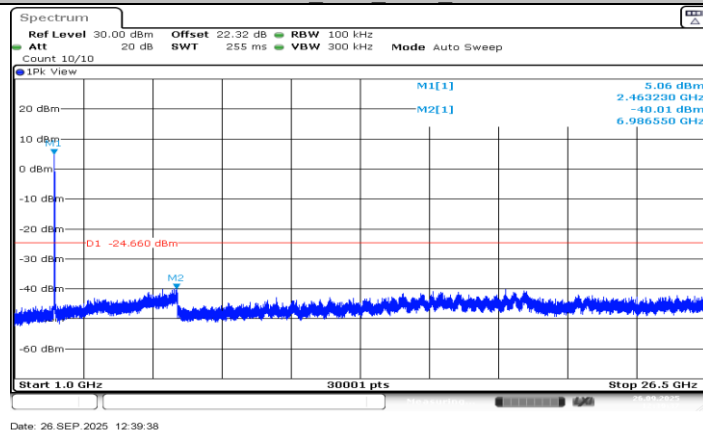
11N20MIMO Ant0_2462_1000~26500



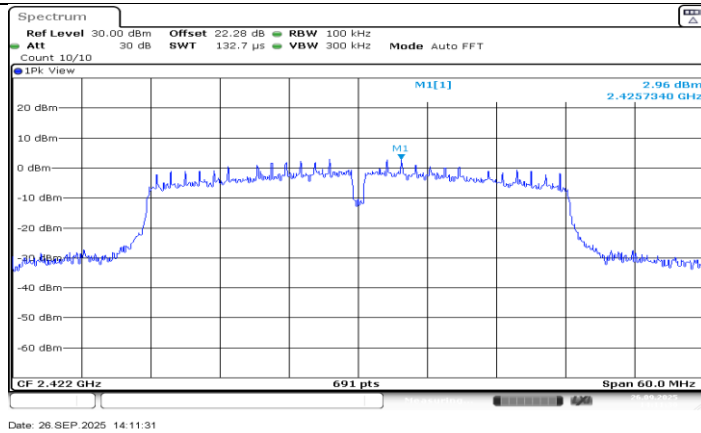
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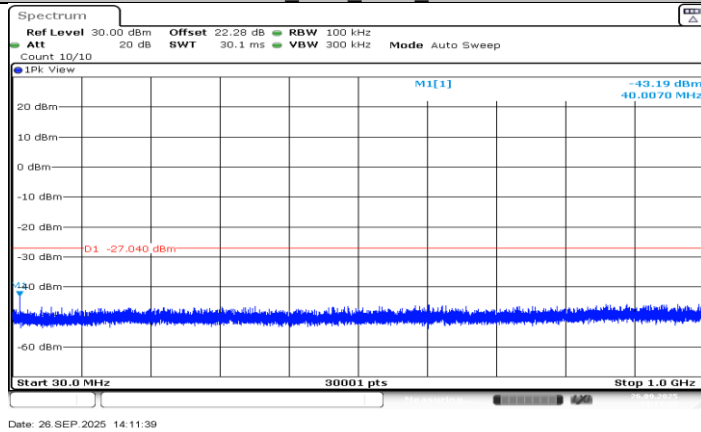
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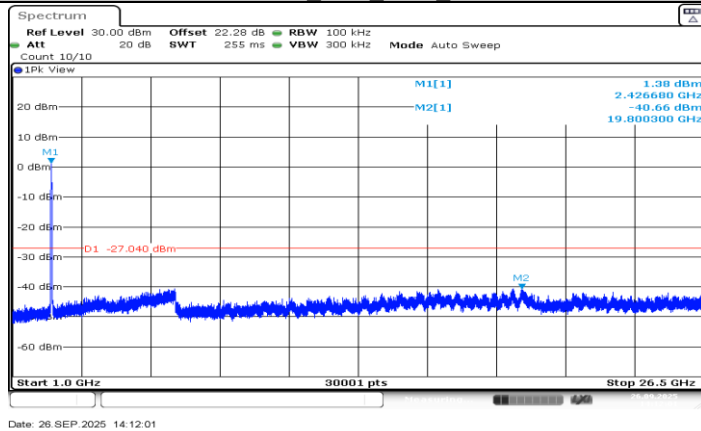
11N20MIMO Ant1_2462_1000~26500



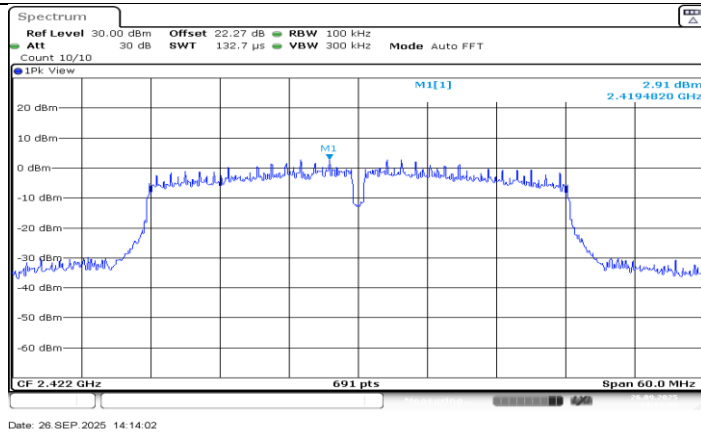
11N40MIMO Ant0_2422_0~Reference



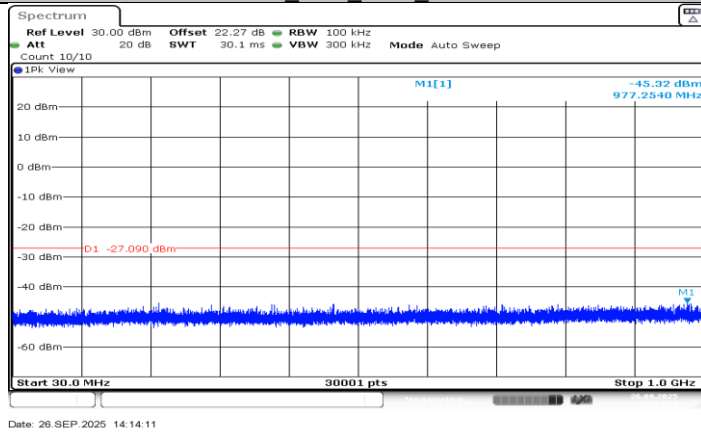
11N40MIMO Ant0_2422_30~1000



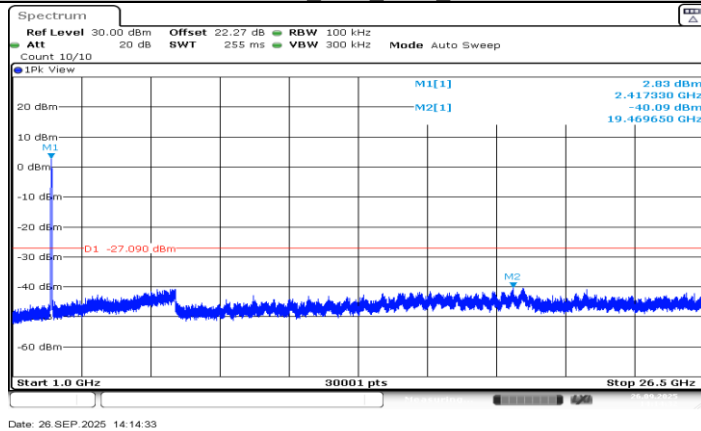
11N40MIMO Ant0_2422_1000~26500



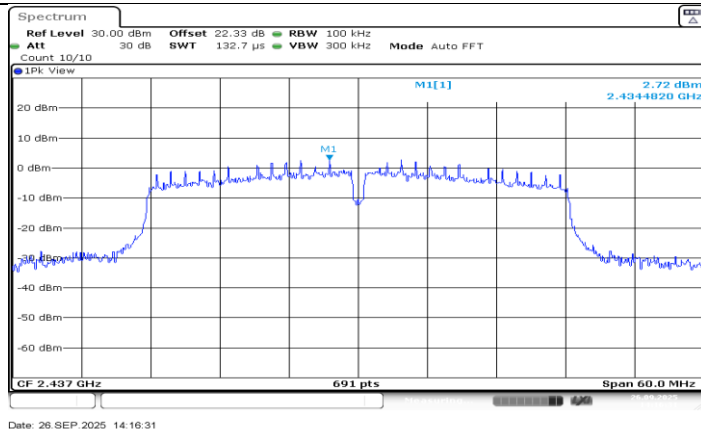
11N40MIMO Ant1_2422_0~Reference



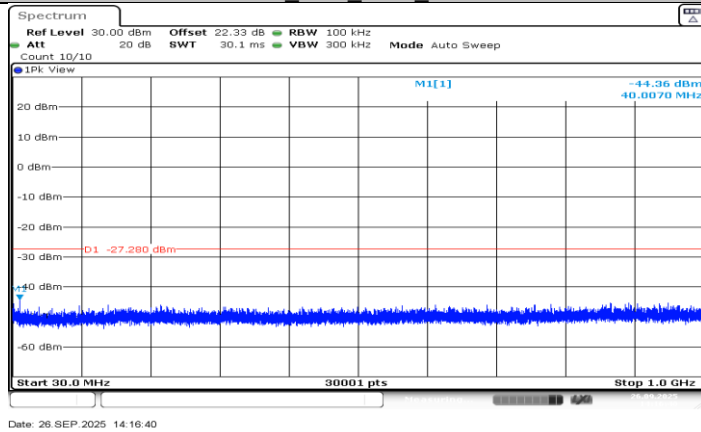
11N40MIMO Ant1_2422_30~1000



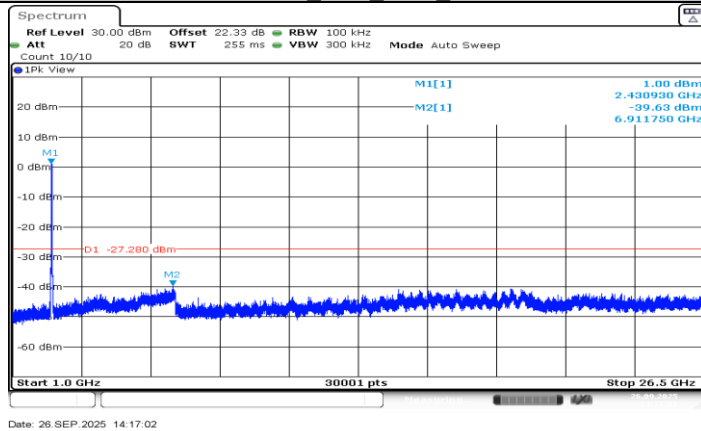
11N40MIMO Ant1_2422_1000~26500



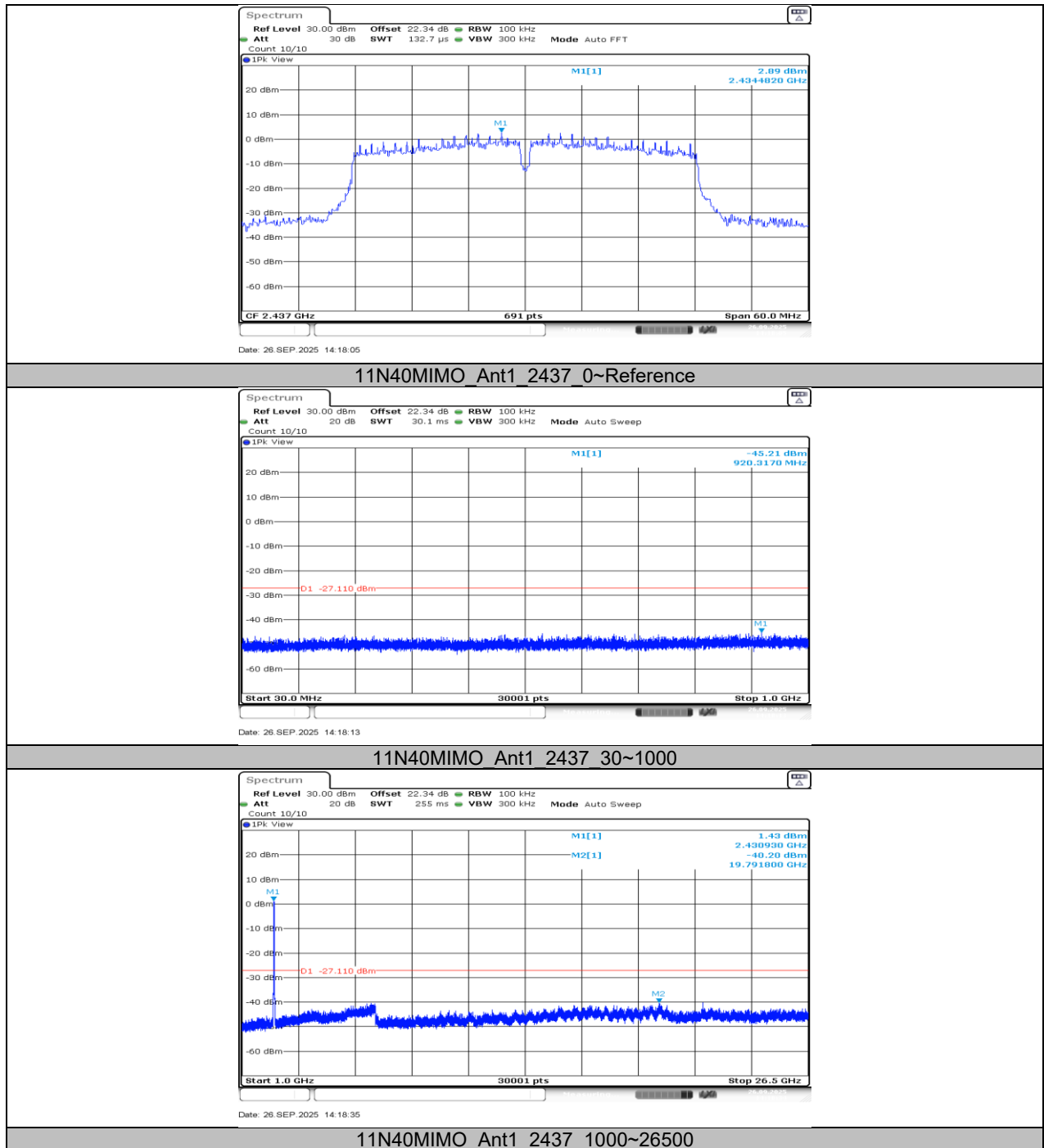
11N40MIMO Ant0 2437_0~Reference

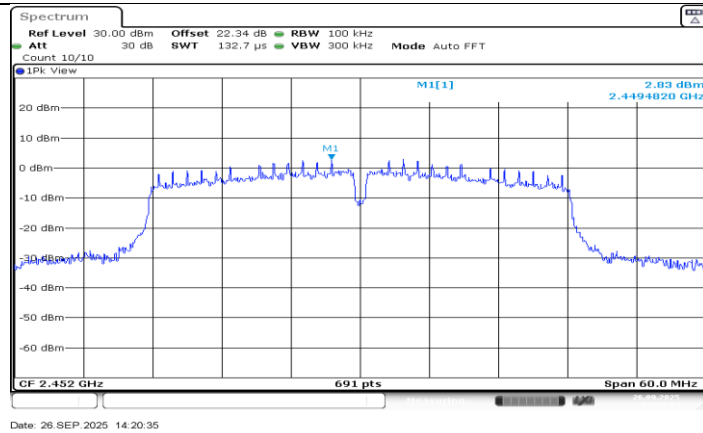


11N40MIMO Ant0 2437_1000~26500

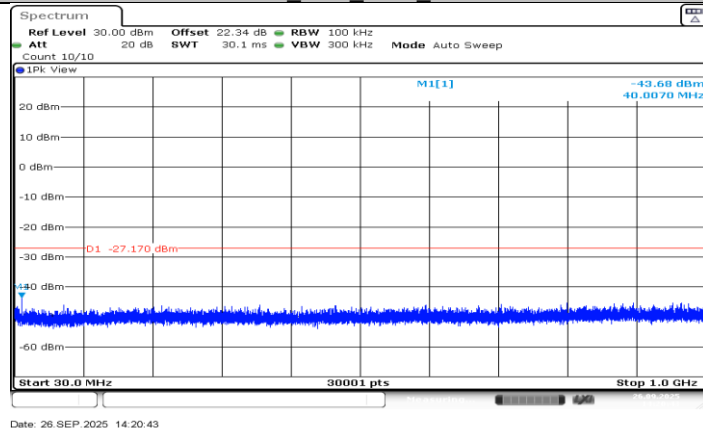


11N40MIMO Ant0 2437_1000~26500

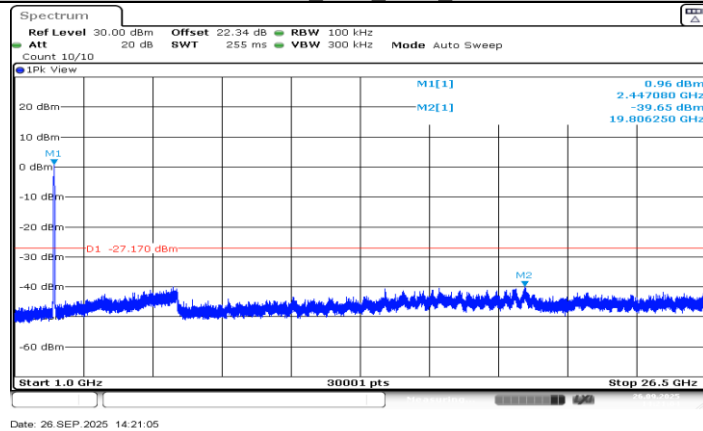




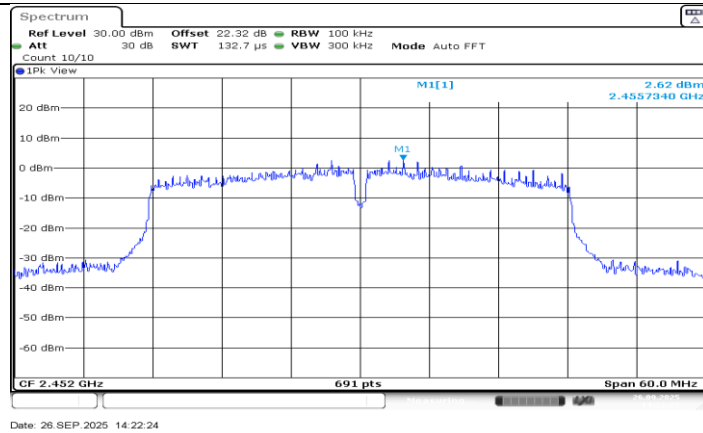
11N40MIMO Ant0 2452 0~Reference



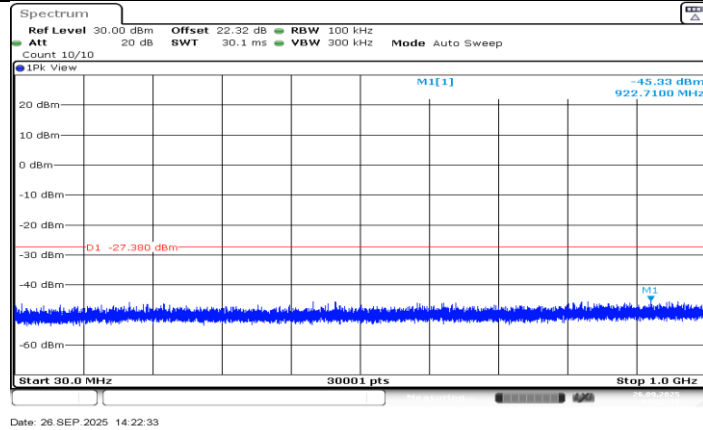
11N40MIMO Ant0 2452 30~1000



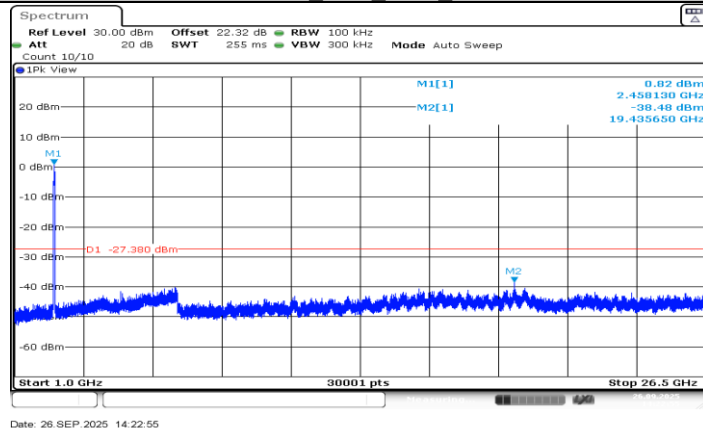
11N40MIMO Ant0 2452 1000~26500



11N40MIMO Ant1_2452_0~Reference



11N40MIMO Ant1_2452_30~1000



11N40MIMO Ant1_2452_1000~26500

11.7. APPENDIX G: DUTY CYCLE**11.7.1. Test Result**

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	8.41	8.53	0.9859	98.59	0.06	0.12	0.01
11G	1.37	1.43	0.9580	95.80	0.19	0.73	1
11N20MIMO	1.29	1.39	0.9281	92.81	0.32	0.78	1
11N40MIMO	0.64	0.73	0.8767	87.67	0.57	1.56	2

Note:

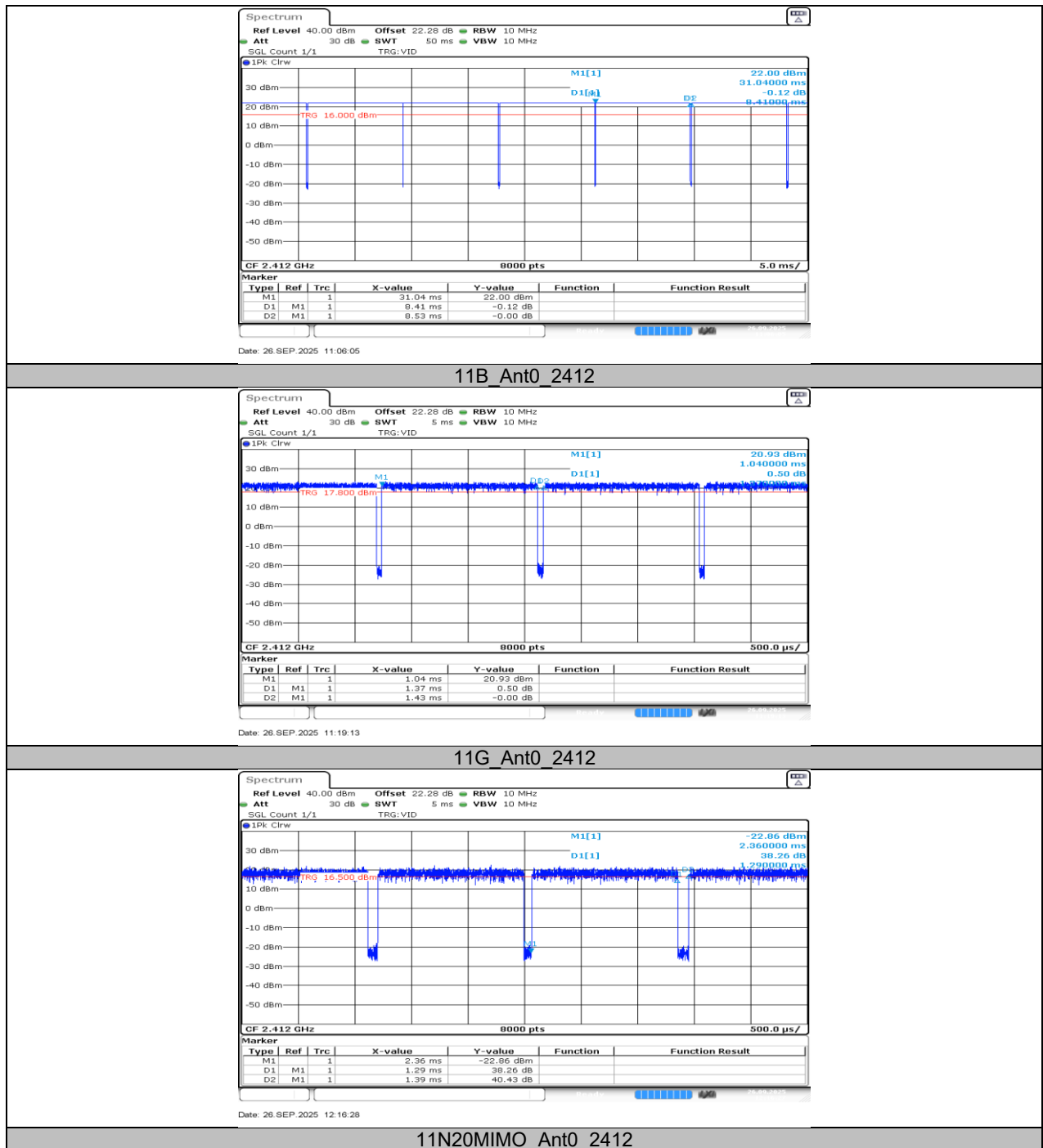
Duty Cycle Correction Factor= $10\log(1/x)$.

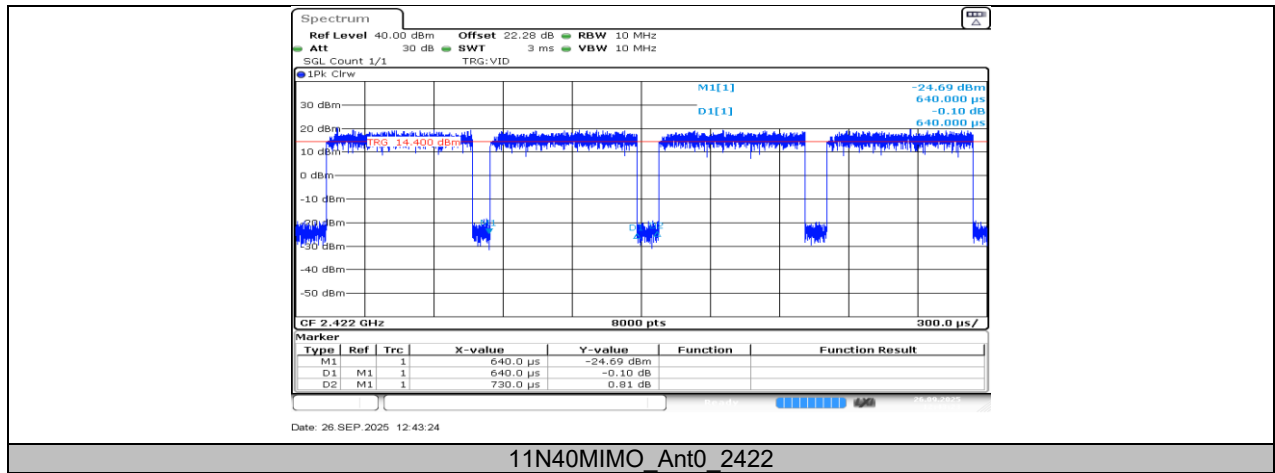
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs





END OF REPORT