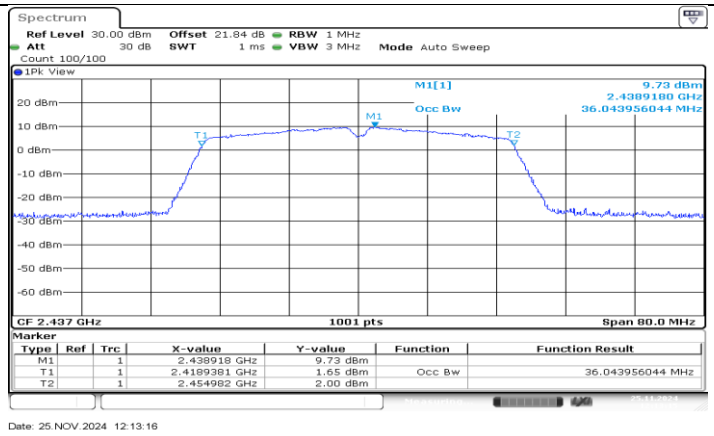
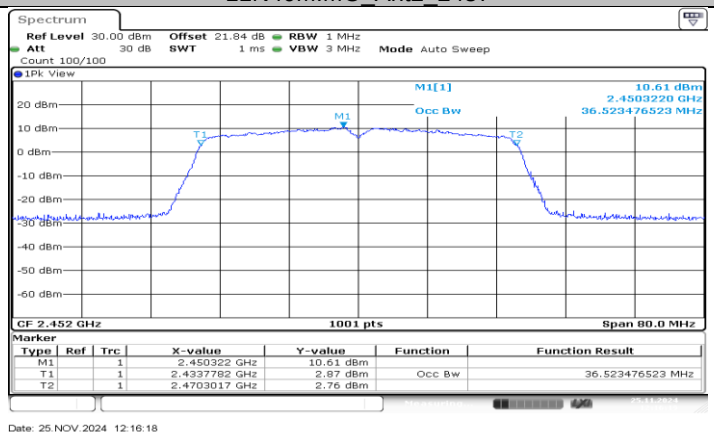
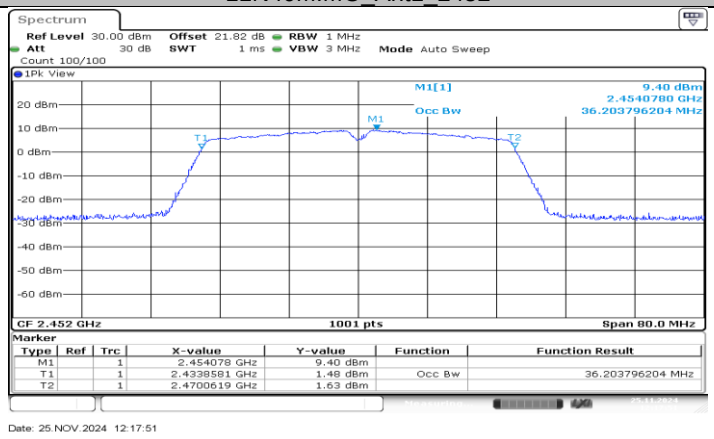


11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452

11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	18.38	≤30.00	PASS
	Ant2	2412	18.57	≤30.00	PASS
	Ant1	2437	18.58	≤30.00	PASS
	Ant2	2437	18.90	≤30.00	PASS
	Ant1	2462	18.19	≤30.00	PASS
	Ant2	2462	18.51	≤30.00	PASS
11G	Ant1	2412	15.85	≤30.00	PASS
	Ant2	2412	16.20	≤30.00	PASS
	Ant1	2437	15.62	≤30.00	PASS
	Ant2	2437	16.09	≤30.00	PASS
	Ant1	2462	15.43	≤30.00	PASS
	Ant2	2462	15.92	≤30.00	PASS
11N20MIMO	Ant1	2412	15.77	≤30.00	PASS
	Ant2	2412	14.95	≤30.00	PASS
	total	2412	18.39	≤30.00	PASS
	Ant1	2437	15.53	≤30.00	PASS
	Ant2	2437	14.87	≤30.00	PASS
	total	2437	18.22	≤30.00	PASS
	Ant1	2462	15.49	≤30.00	PASS
	Ant2	2462	14.66	≤30.00	PASS
	total	2462	18.11	≤30.00	PASS
11N40MIMO	Ant1	2422	14.76	≤30.00	PASS
	Ant2	2422	14.08	≤30.00	PASS
	total	2422	17.44	≤30.00	PASS
	Ant1	2437	14.83	≤30.00	PASS
	Ant2	2437	14.21	≤30.00	PASS
	total	2437	17.54	≤30.00	PASS
	Ant1	2452	14.70	≤30.00	PASS
	Ant2	2452	14.04	≤30.00	PASS
	total	2452	17.39	≤30.00	PASS

Note: The Duty Cycle Correction Factor is compensated in the result of Maximum conducted output power.

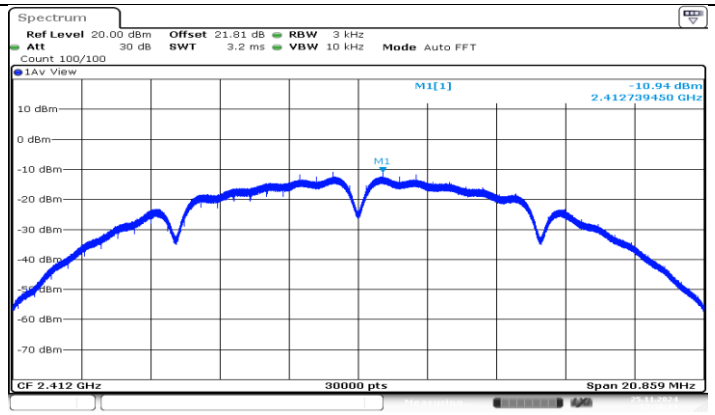
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

11.4.1. Test Result

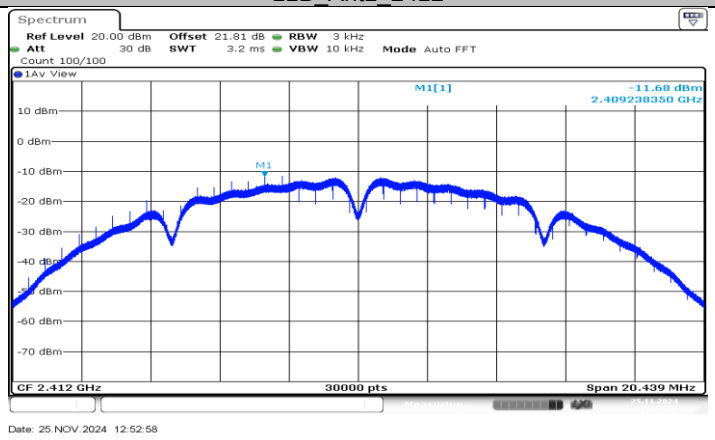
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.94	≤6.73	PASS
	Ant2	2412	-11.68	≤6.73	PASS
	Ant1	2437	-12.22	≤6.73	PASS
	Ant2	2437	-11.77	≤6.73	PASS
	Ant1	2462	-10.20	≤6.73	PASS
	Ant2	2462	-12.21	≤6.73	PASS
11G	Ant1	2412	-14.65	≤6.73	PASS
	Ant2	2412	-14.68	≤6.73	PASS
	Ant1	2437	-15.17	≤6.73	PASS
	Ant2	2437	-14.93	≤6.73	PASS
	Ant1	2462	-15.67	≤6.73	PASS
	Ant2	2462	-14.98	≤6.73	PASS
11N20MIMO	Ant1	2412	-15.88	≤6.73	PASS
	Ant2	2412	-16.14	≤6.73	PASS
	total	2412	-13.00	≤6.73	PASS
	Ant1	2437	-16.01	≤6.73	PASS
	Ant2	2437	-16.53	≤6.73	PASS
	total	2437	-13.25	≤6.73	PASS
	Ant1	2462	-15.79	≤6.73	PASS
	Ant2	2462	-16.85	≤6.73	PASS
	total	2462	-13.28	≤6.73	PASS
11N40MIMO	Ant1	2422	-19.19	≤6.73	PASS
	Ant2	2422	-19.56	≤6.73	PASS
	total	2422	-16.36	≤6.73	PASS
	Ant1	2437	-18.63	≤6.73	PASS
	Ant2	2437	-18.46	≤6.73	PASS
	total	2437	-15.53	≤6.73	PASS
	Ant1	2452	-19.20	≤6.73	PASS
	Ant2	2452	-18.75	≤6.73	PASS
	total	2452	-15.96	≤6.73	PASS

Note: The Duty Cycle Correction Factor is compensated in the result of Maximum power spectral density.

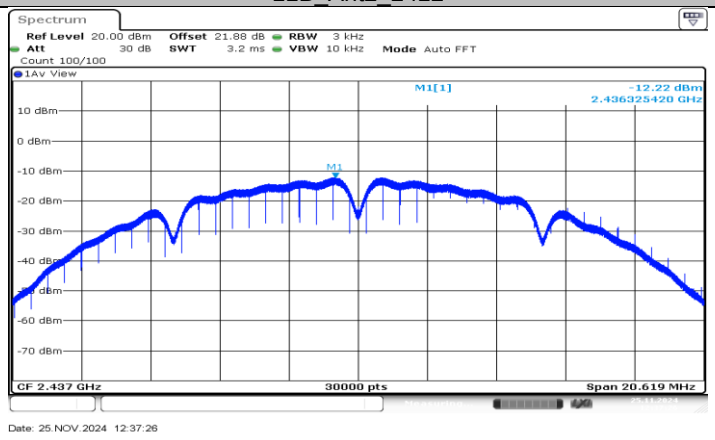
11.4.2. Test Graphs



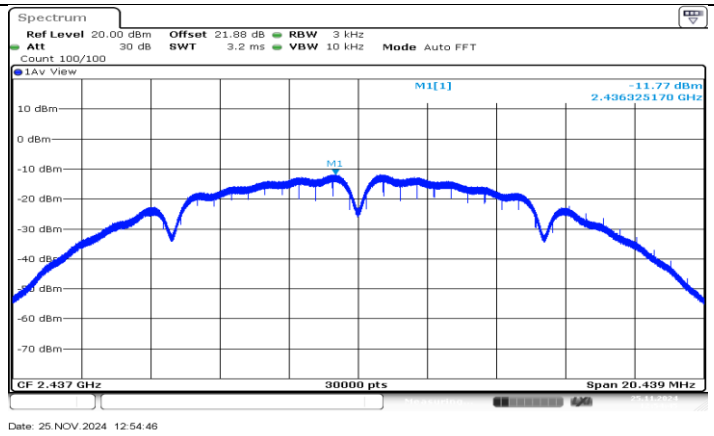
11B_Ant1_2412



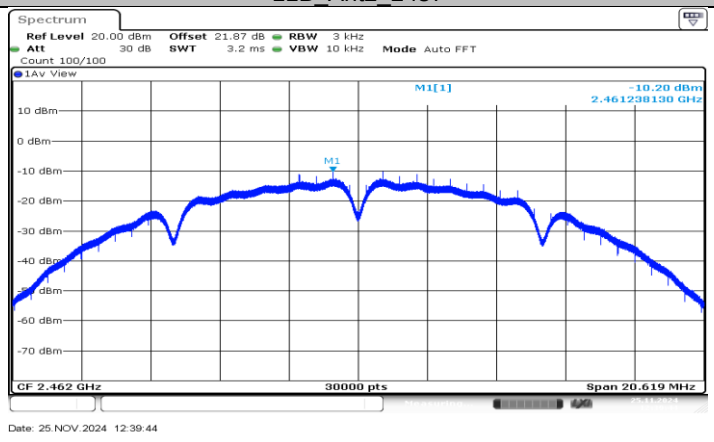
11B_Ant2_2412



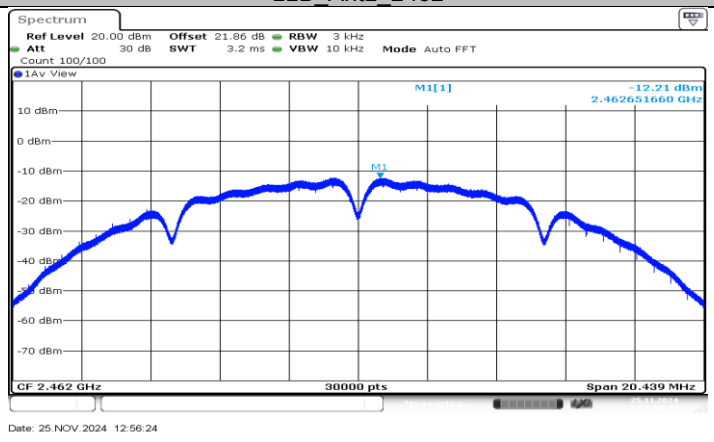
11B_Ant1_2437



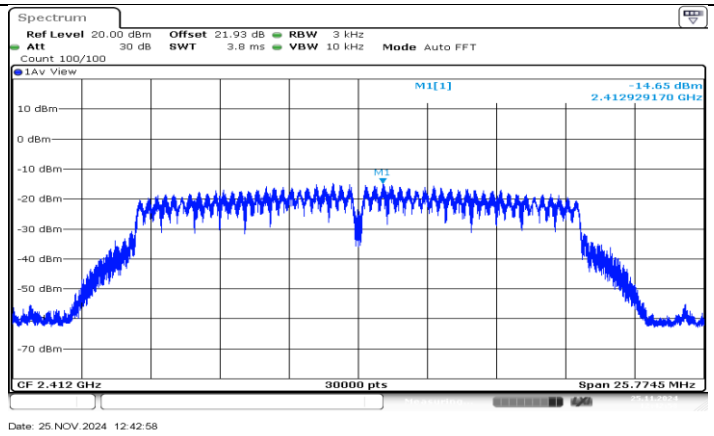
11B_Ant2_2437



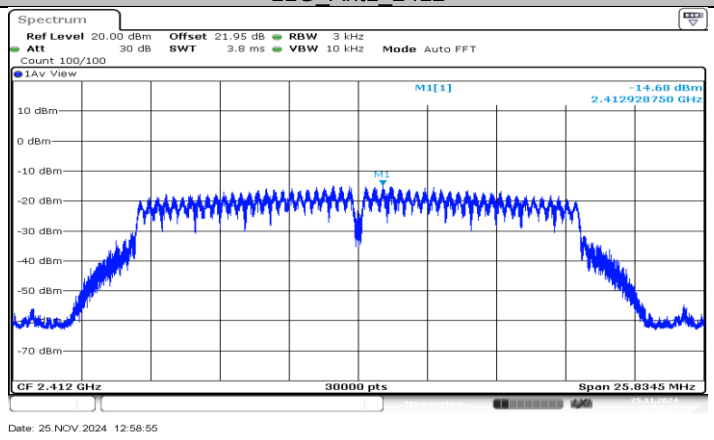
11B_Ant1_2462



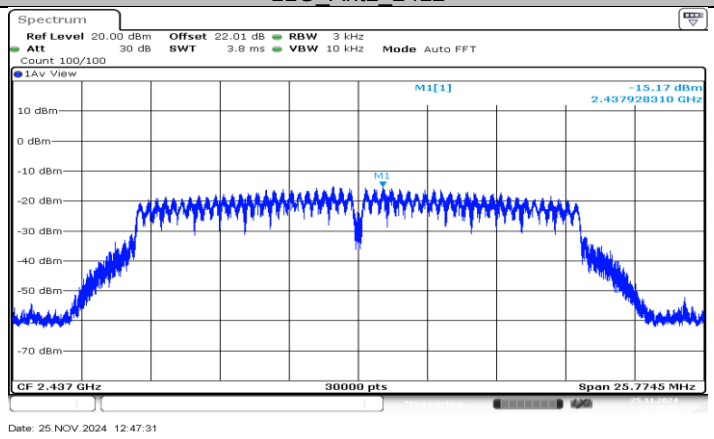
11B_Ant2_2462



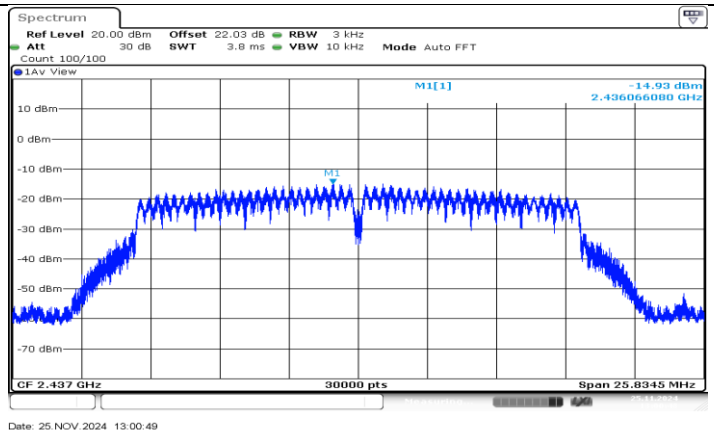
11G_Ant1_2412



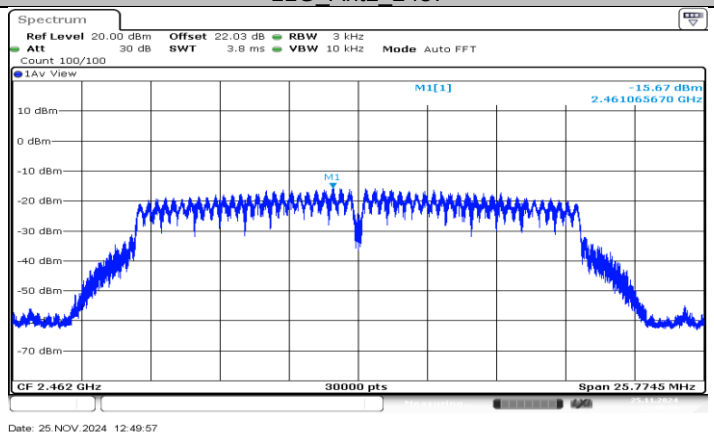
11G_Ant2_2412



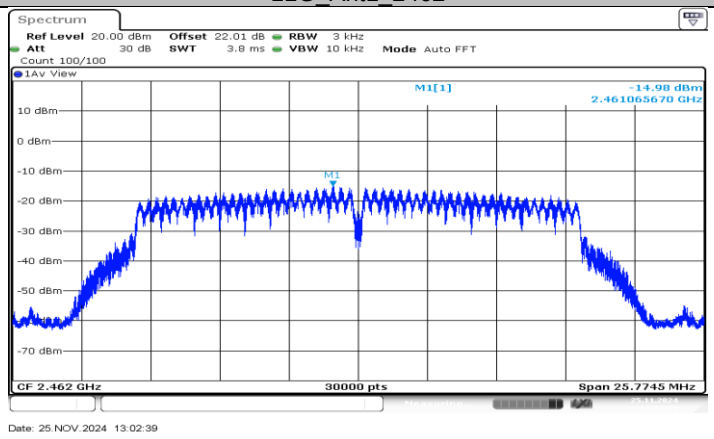
11G_Ant1_2437



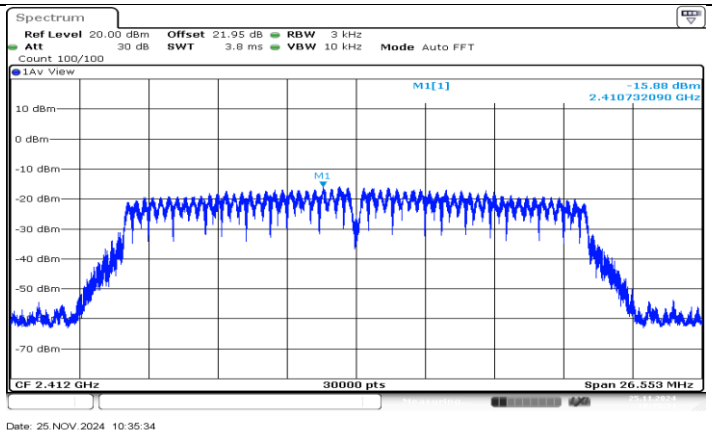
11G_Ant2_2437



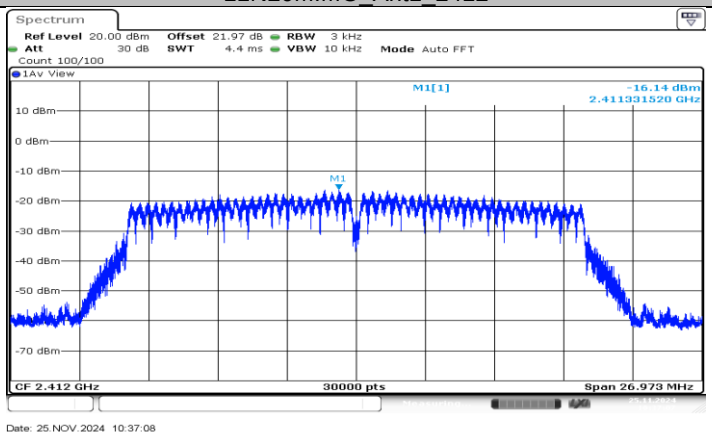
11G_Ant1_2462



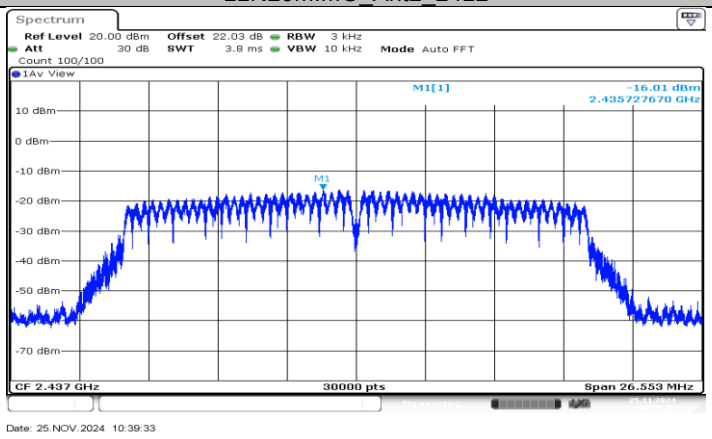
11G_Ant2_2462



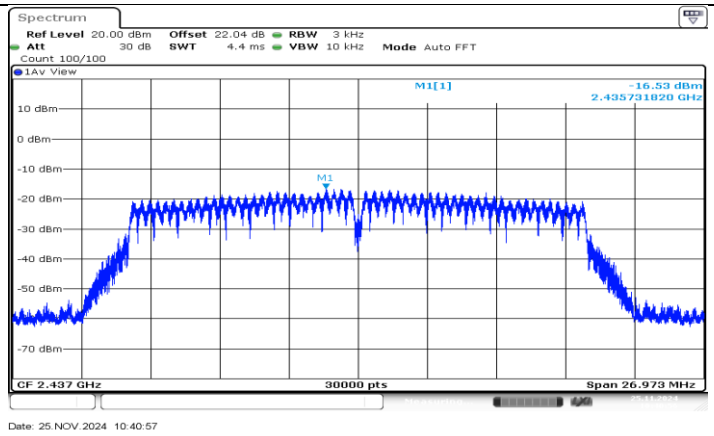
11N20MIMO_Ant1_2412



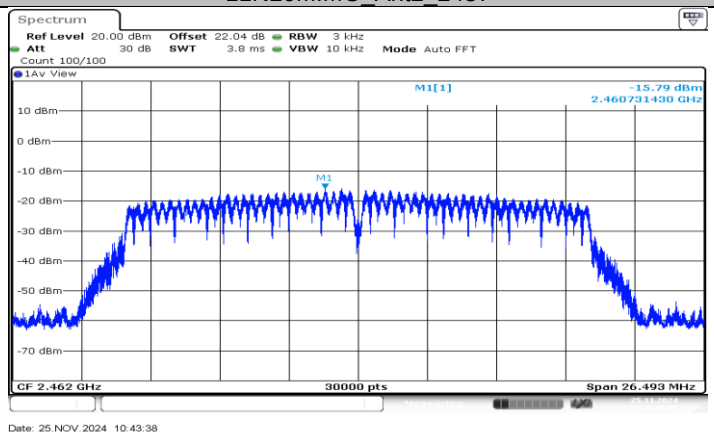
11N20MIMO_Ant2_2412



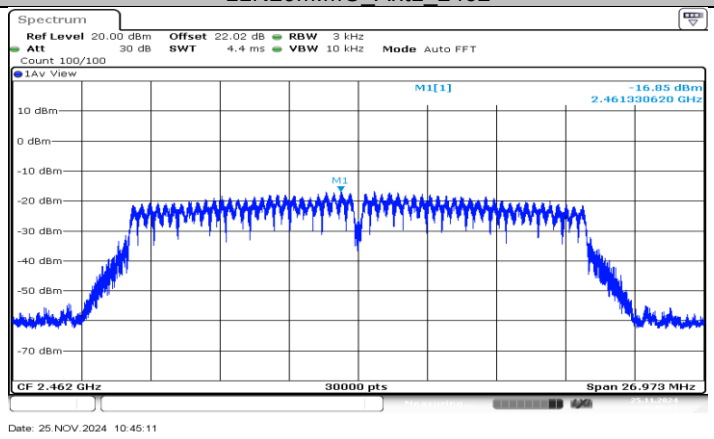
11N20MIMO_Ant1_2437



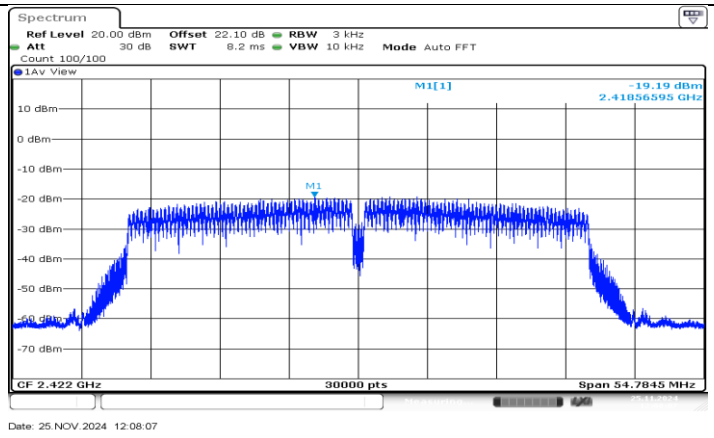
11N20MIMO_Ant2_2437



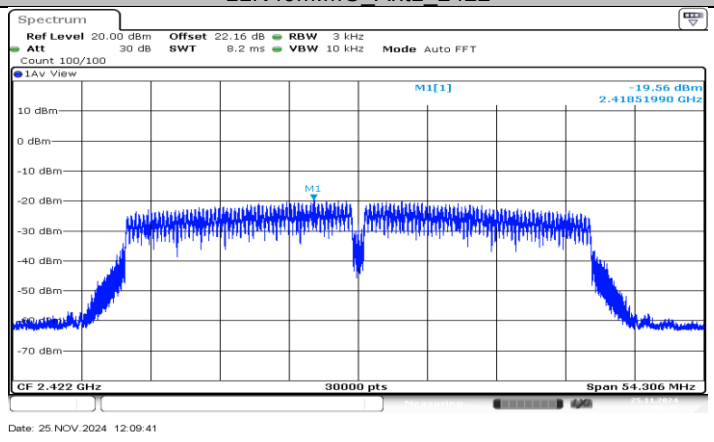
11N20MIMO_Ant1_2462



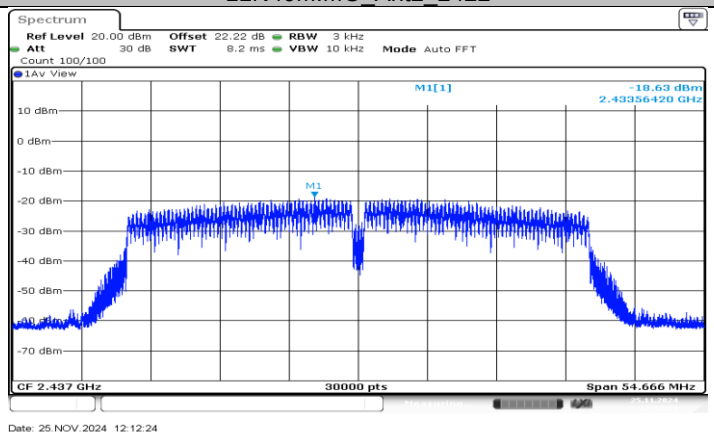
11N20MIMO_Ant2_2462



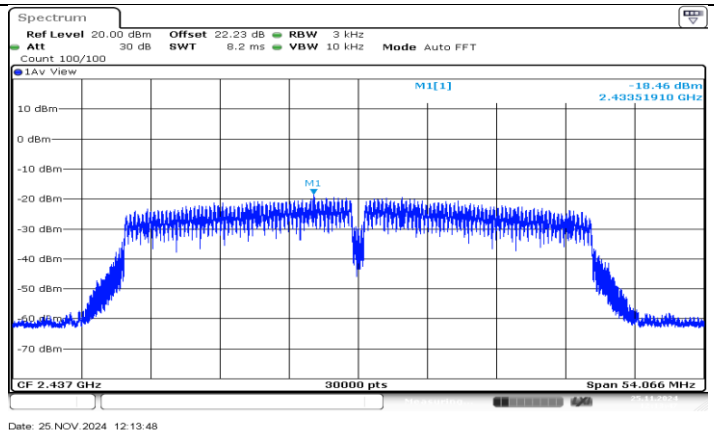
11N40MIMO_Ant1_2422



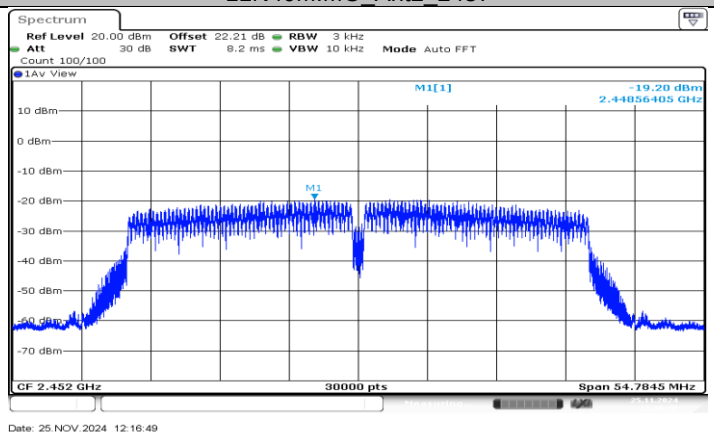
11N40MIMO_Ant2_2422



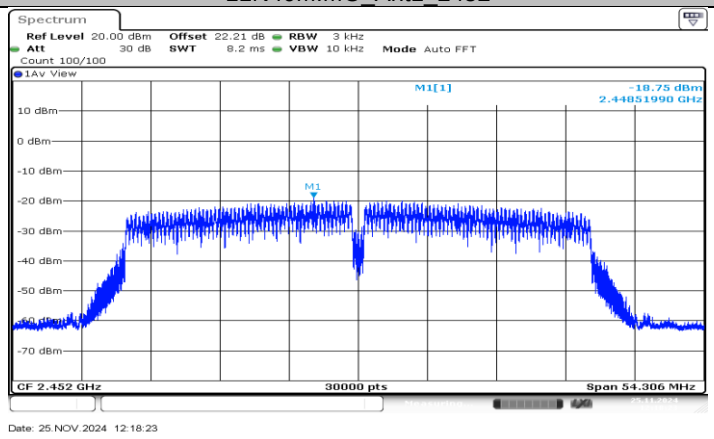
11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



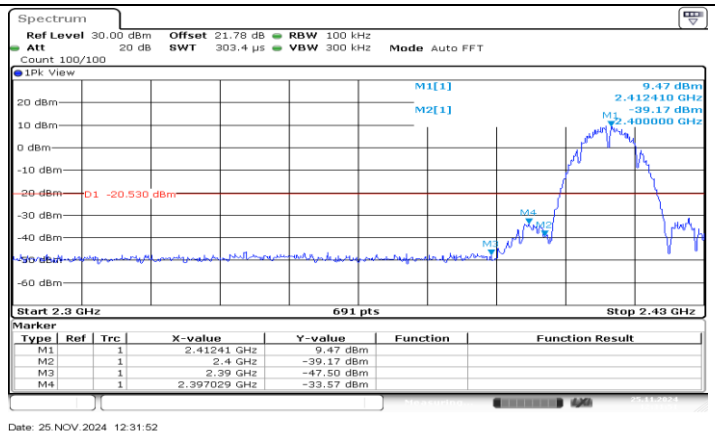
11N40MIMO_Ant2_2452

11.5. APPENDIX E: BAND EDGE MEASUREMENTS

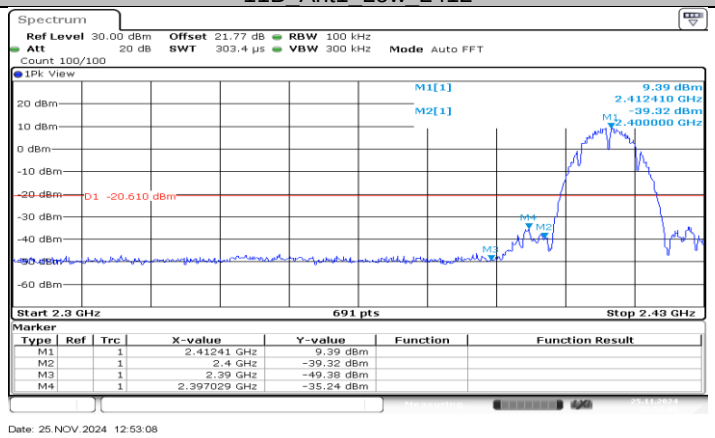
11.5.1. Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.47	-33.57	≤-20.53	PASS
	Ant2	Low	2412	9.39	-35.24	≤-20.61	PASS
	Ant1	High	2462	9.02	-45.43	≤-20.98	PASS
	Ant2	High	2462	9.38	-46.35	≤-20.62	PASS
11G	Ant1	Low	2412	5.93	-36.98	≤-24.07	PASS
	Ant2	Low	2412	6.39	-38.59	≤-23.61	PASS
	Ant1	High	2462	4.09	-44.96	≤-25.91	PASS
	Ant2	High	2462	6.05	-44.71	≤-23.95	PASS
11N20MIMO	Ant1	Low	2412	5.92	-38.36	≤-24.08	PASS
	Ant2	Low	2412	5.38	-37.32	≤-24.62	PASS
	Ant1	High	2462	3.86	-44.91	≤-26.14	PASS
	Ant2	High	2462	4.85	-45.72	≤-25.15	PASS
11N40MIMO	Ant1	Low	2422	2.36	-34.93	≤-27.64	PASS
	Ant2	Low	2422	1.49	-35.62	≤-28.51	PASS
	Ant1	High	2452	2.29	-45.18	≤-27.71	PASS
	Ant2	High	2452	1.28	-44.24	≤-28.72	PASS

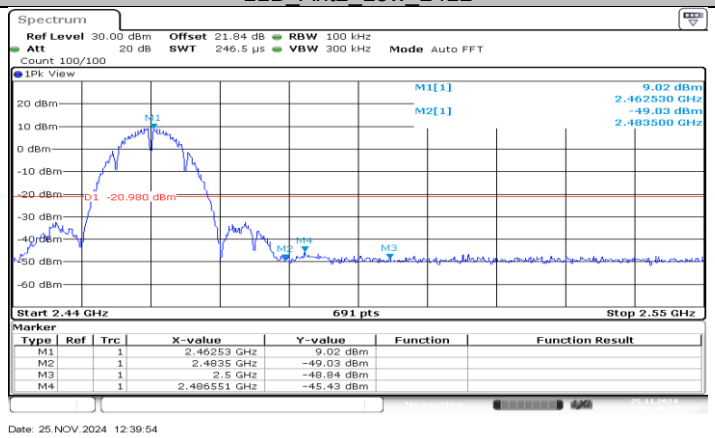
11.5.2. Test Graphs



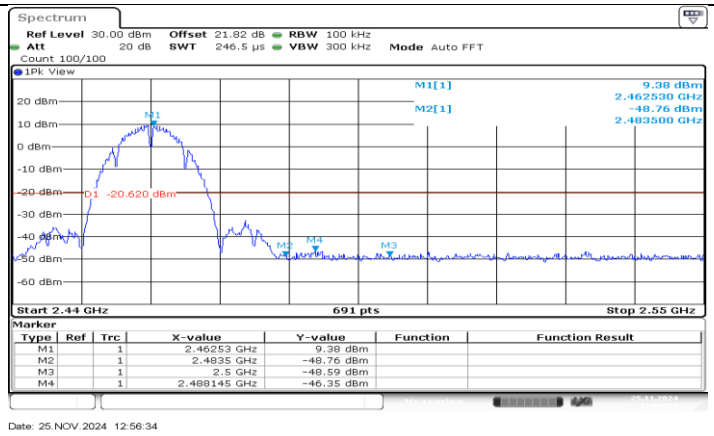
11B_Ant1_Low_2412



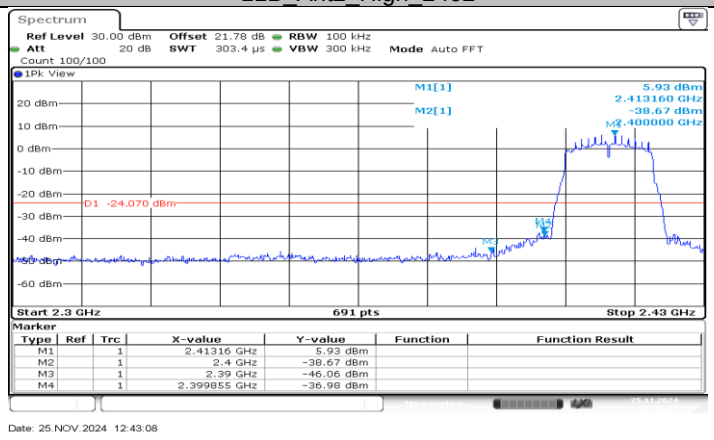
11B_Ant2_Low_2412



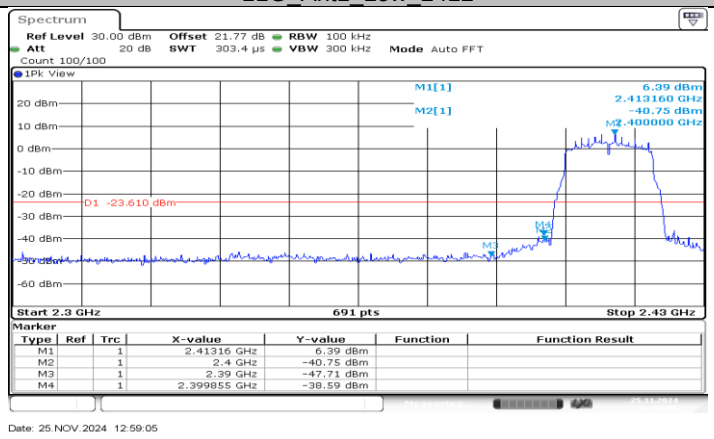
11B_Ant1_High_2462



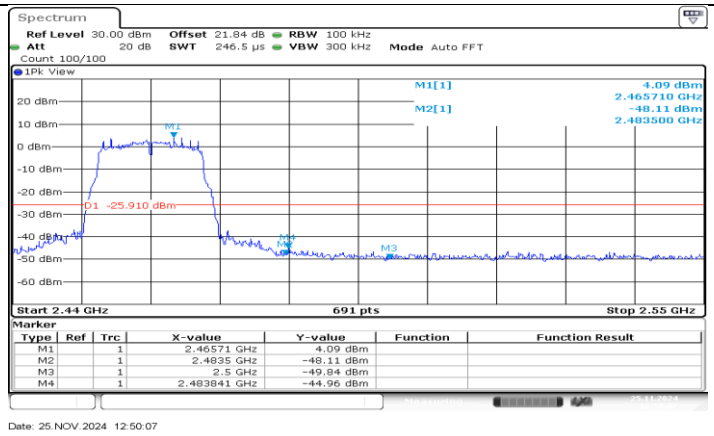
11B_Ant2_High_2462



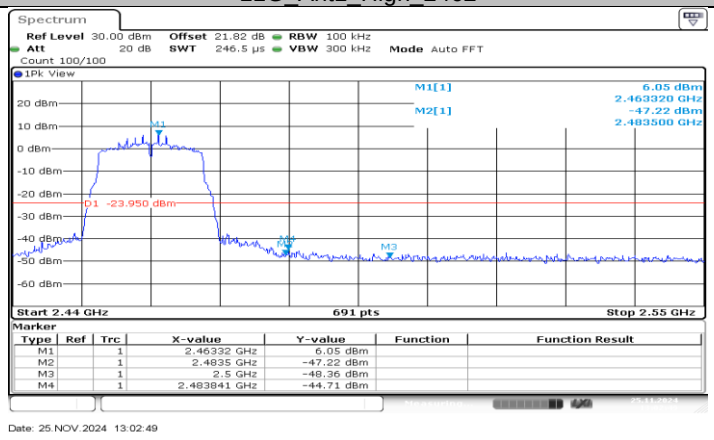
11G_Ant1_Low_2412



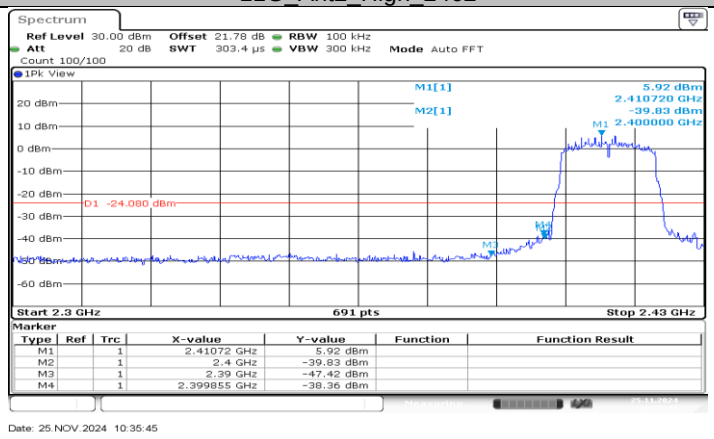
11G_Ant2_Low_2412



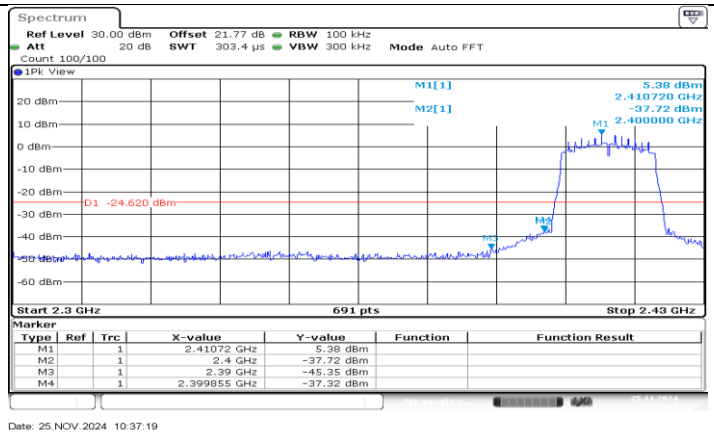
11G_Ant1_High_2462



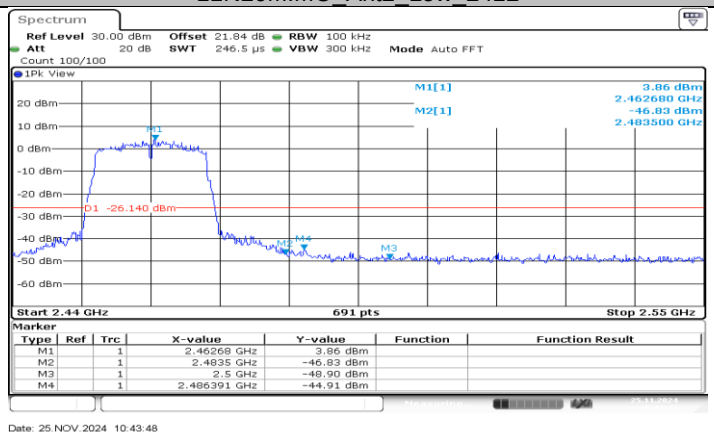
11G_Ant2_High_2462



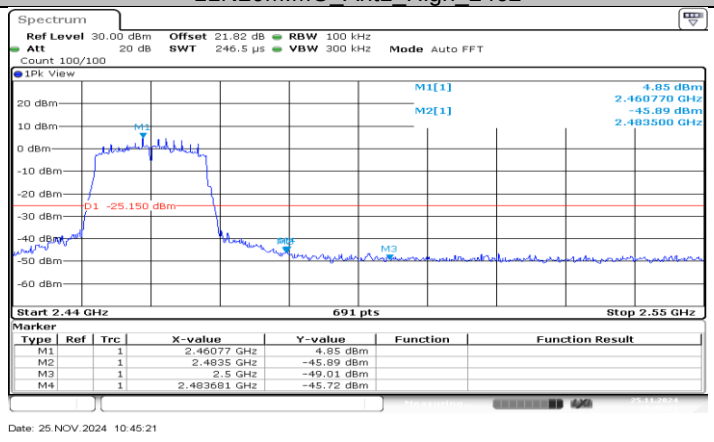
11N20MIMO_Ant1_Low_2412



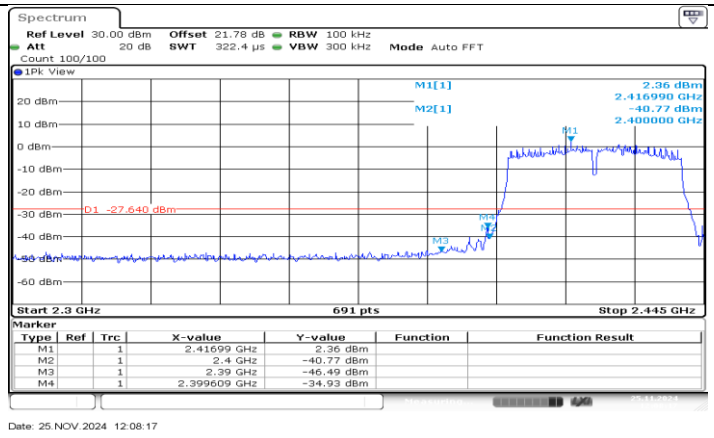
11N20MIMO_Ant2_Low_2412



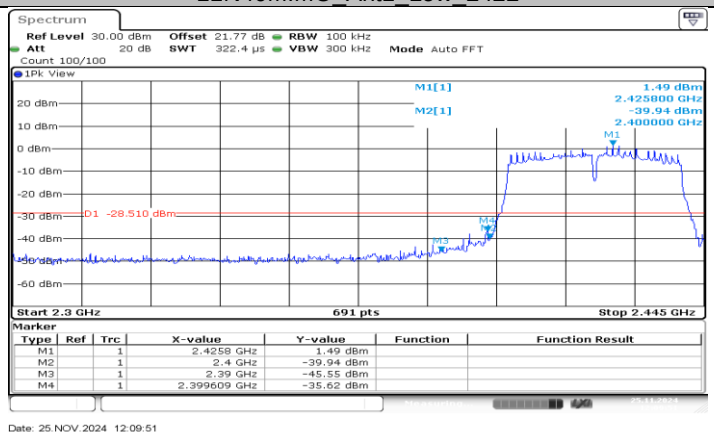
11N20MIMO_Ant1_High_2462



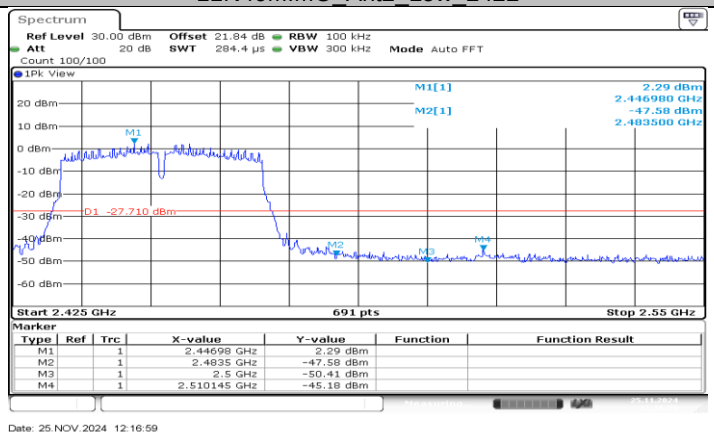
11N20MIMO_Ant2_High_2462



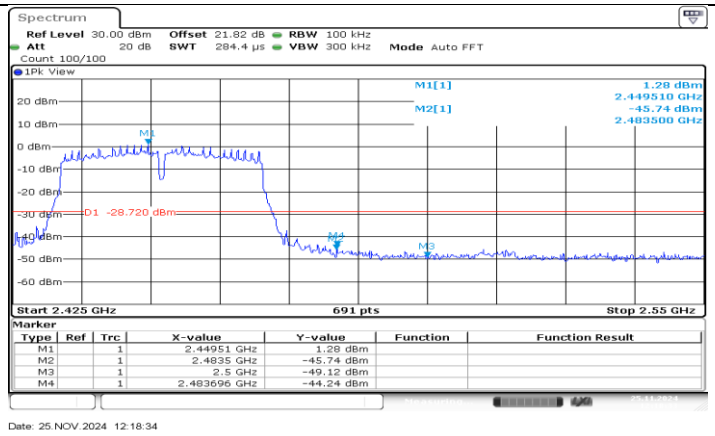
11N40MIMO_Ant1_Low_2422



11N40MIMO_Ant2_Low_2422



11N40MIMO_Ant1_High_2452



11N40MIMO_Ant2_High_2452

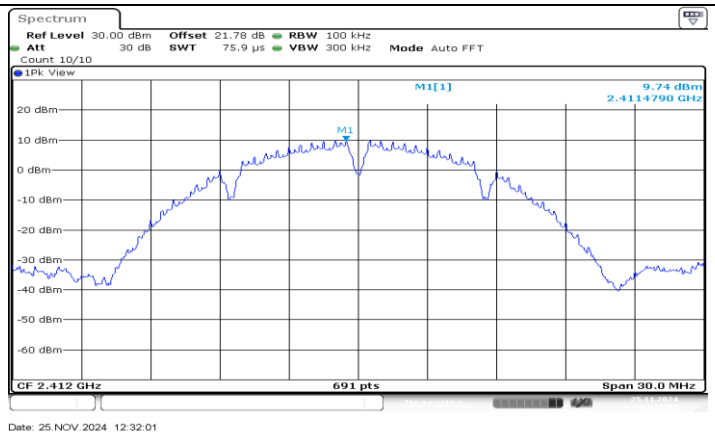
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

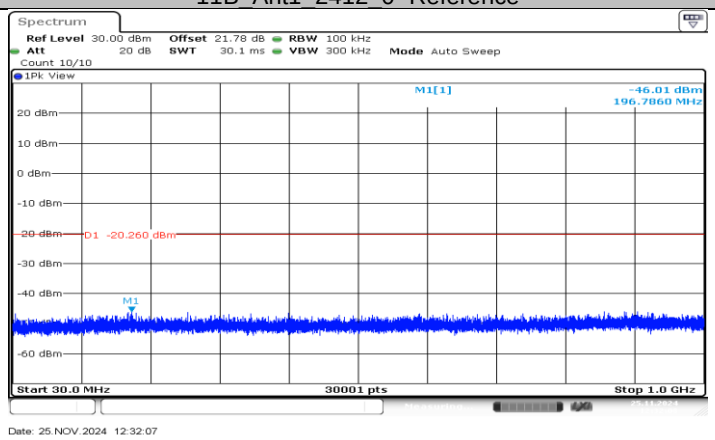
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	9.74	---	PASS
			30~1000	-46.01	≤-20.26	PASS
			1000~26500	-40.31	≤-20.26	PASS
	Ant2	2412	Reference	9.45	---	PASS
			30~1000	-45.89	≤-20.55	PASS
			1000~26500	-40.22	≤-20.55	PASS
	Ant1	2437	Reference	9.43	---	PASS
			30~1000	-44.35	≤-20.57	PASS
			1000~26500	-40.53	≤-20.57	PASS
	Ant2	2437	Reference	9.83	---	PASS
			30~1000	-45.74	≤-20.17	PASS
			1000~26500	-40.35	≤-20.17	PASS
	Ant1	2462	Reference	9.06	---	PASS
			30~1000	-45.02	≤-20.94	PASS
			1000~26500	-39.77	≤-20.94	PASS
	Ant2	2462	Reference	9.40	---	PASS
			30~1000	-46.06	≤-20.6	PASS
			1000~26500	-40.91	≤-20.6	PASS
11G	Ant1	2412	Reference	6.09	---	PASS
			30~1000	-45.46	≤-23.91	PASS
			1000~26500	-40.28	≤-23.91	PASS
	Ant2	2412	Reference	5.74	---	PASS
			30~1000	-45.95	≤-24.26	PASS
			1000~26500	-40.21	≤-24.26	PASS
	Ant1	2437	Reference	5.88	---	PASS
			30~1000	-45.82	≤-24.12	PASS
			1000~26500	-40.22	≤-24.12	PASS
	Ant2	2437	Reference	6.19	---	PASS
			30~1000	-45.19	≤-23.81	PASS
			1000~26500	-40.35	≤-23.81	PASS
	Ant1	2462	Reference	5.65	---	PASS
			30~1000	-45.57	≤-24.35	PASS
			1000~26500	-39.97	≤-24.35	PASS
	Ant2	2462	Reference	6.14	---	PASS
			30~1000	-45.87	≤-23.86	PASS
			1000~26500	-40.65	≤-23.86	PASS
11N20MIMO	Ant1	2412	Reference	5.82	---	PASS
			30~1000	-45.2	≤-24.18	PASS
			1000~26500	-40.77	≤-24.18	PASS
	Ant2	2412	Reference	5.56	---	PASS
			30~1000	-44.95	≤-24.44	PASS
			1000~26500	-40.69	≤-24.44	PASS
	Ant1	2437	Reference	5.78	---	PASS
			30~1000	-45.09	≤-24.22	PASS
			1000~26500	-40.36	≤-24.22	PASS
	Ant2	2437	Reference	5.12	---	PASS
			30~1000	-45.71	≤-24.88	PASS
			1000~26500	-40.31	≤-24.88	PASS
	Ant1	2462	Reference	5.51	---	PASS
			30~1000	-45.35	≤-24.49	PASS
			1000~26500	-40.29	≤-24.49	PASS
	Ant2	2462	Reference	5.30	---	PASS
			30~1000	-45.6	≤-24.7	PASS
			1000~26500	-39.73	≤-24.7	PASS
11N40MIMO	Ant1	2422	Reference	2.17	---	PASS

			30~1000	-45.24	≤-27.83	PASS
			1000~26500	-39.97	≤-27.83	PASS
	Ant2	2422	Reference	1.66	---	PASS
			30~1000	-45.33	≤-28.34	PASS
			1000~26500	-39.45	≤-28.34	PASS
	Ant1	2437	Reference	2.70	---	PASS
			30~1000	-45.24	≤-27.3	PASS
			1000~26500	-40.83	≤-27.3	PASS
	Ant2	2437	Reference	2.10	---	PASS
			30~1000	-45.31	≤-27.9	PASS
			1000~26500	-39.74	≤-27.9	PASS
	Ant1	2452	Reference	2.34	---	PASS
			30~1000	-45.24	≤-27.66	PASS
			1000~26500	-39.92	≤-27.66	PASS
	Ant2	2452	Reference	1.76	---	PASS
			30~1000	-45.65	≤-28.24	PASS
			1000~26500	-40.17	≤-28.24	PASS

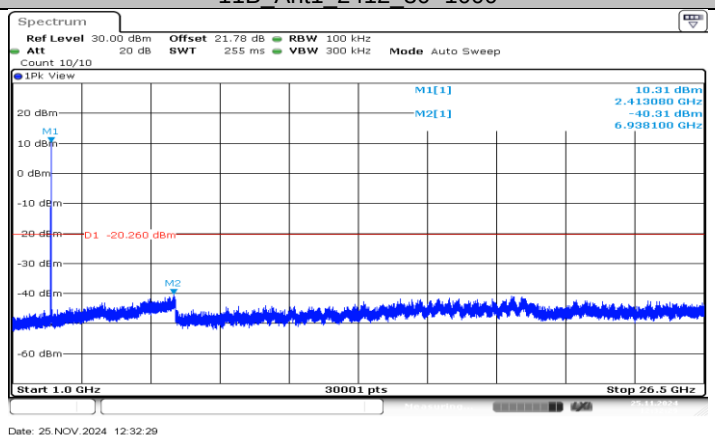
11.6.2. Test Graphs



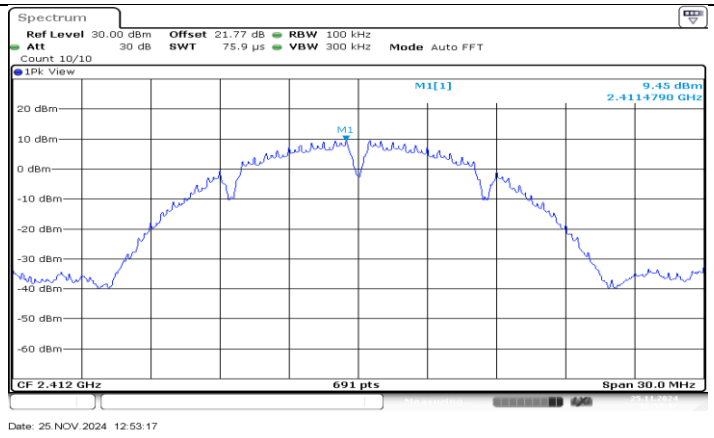
11B_Ant1_2412_0~Reference



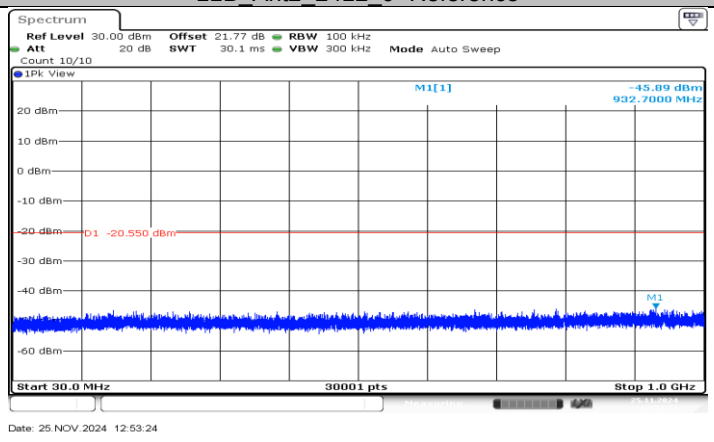
11B_Ant1_2412_30~1000



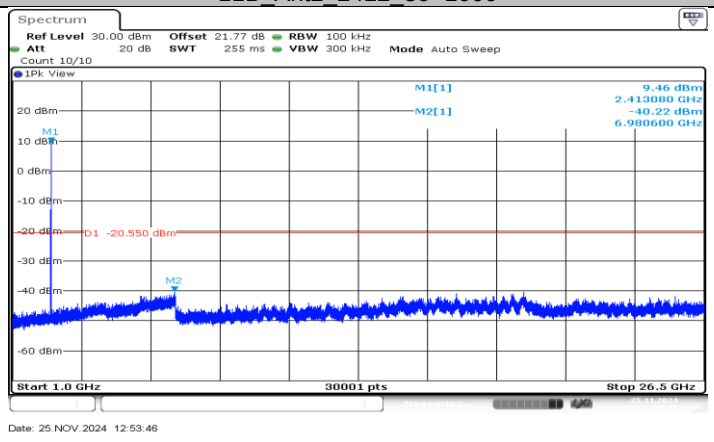
11B_Ant1_2412_1000~26500



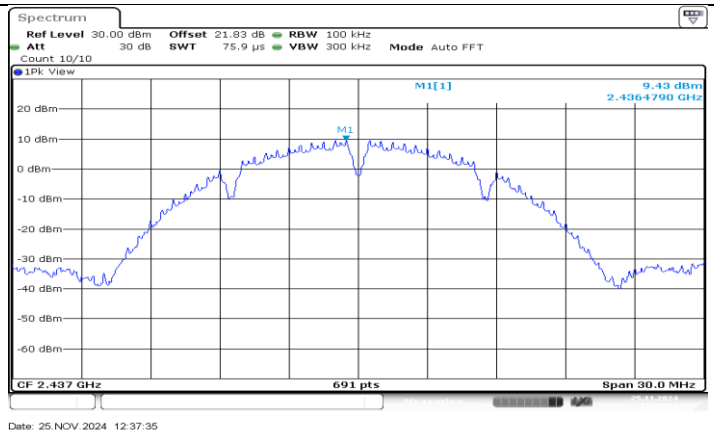
11B_Ant2_2412_0~Reference



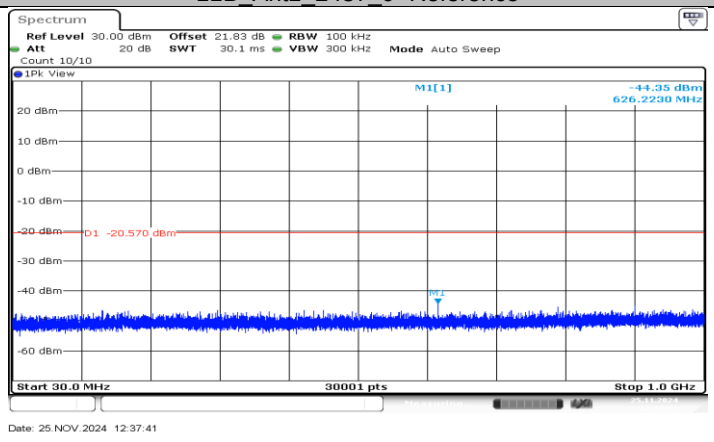
11B_Ant2_2412_30~1000



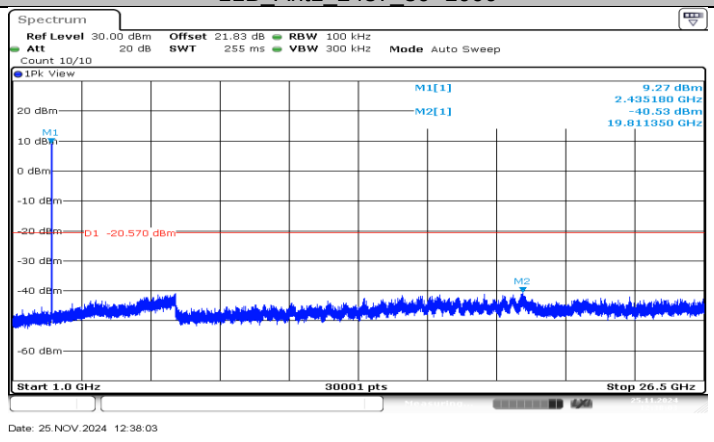
11B_Ant2_2412_1000~26500



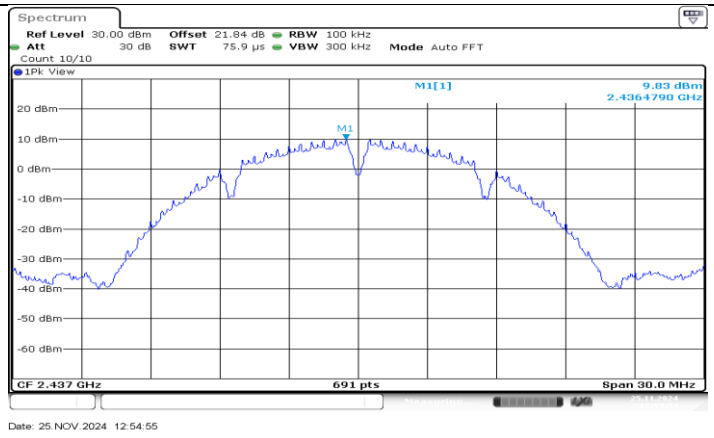
11B_Ant1_2437_0~Reference



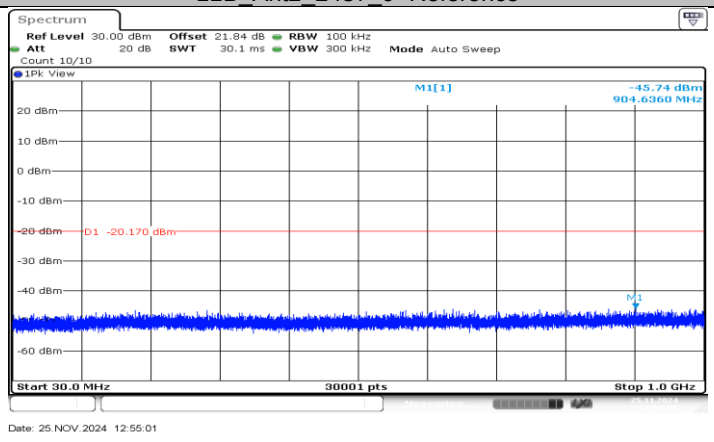
11B_Ant1_2437_30~1000



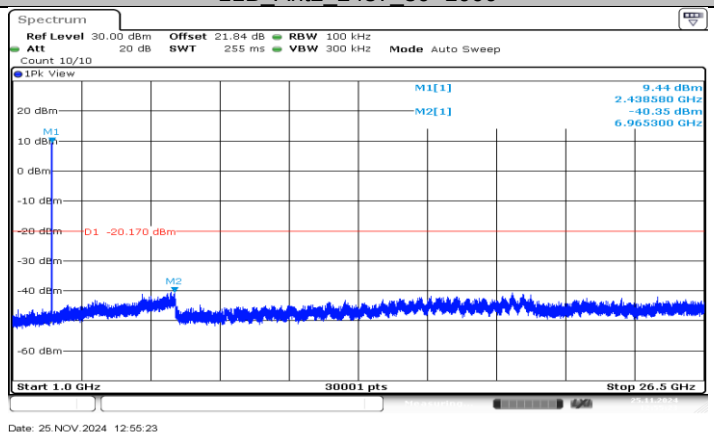
11B_Ant1_2437_1000~26500



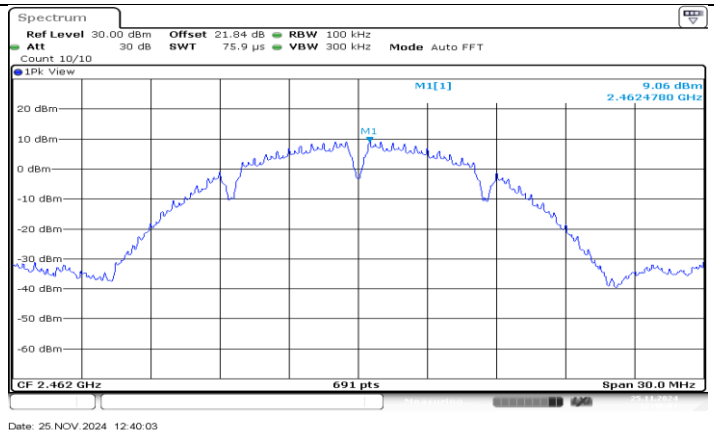
11B_Ant2_2437_0~Reference



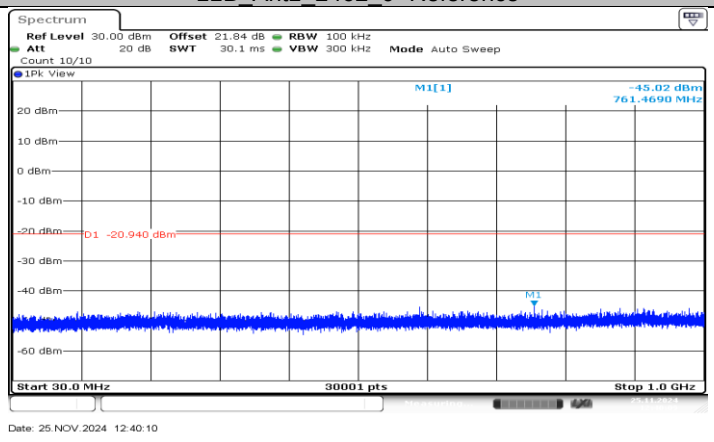
11B_Ant2_2437_30~1000



11B_Ant2_2437_1000~26500



11B_Ant1_2462_0~Reference



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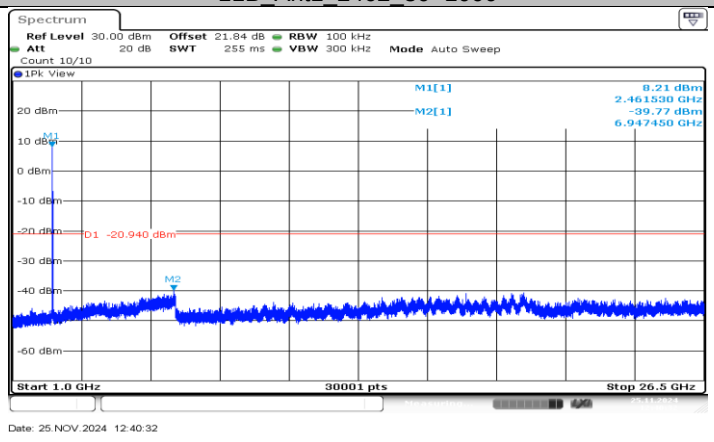
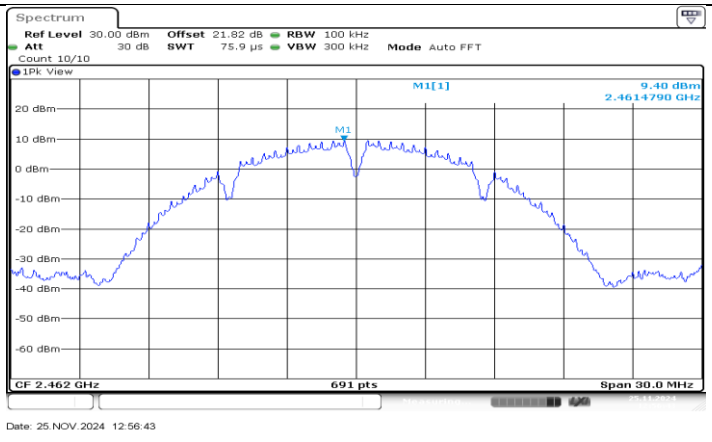
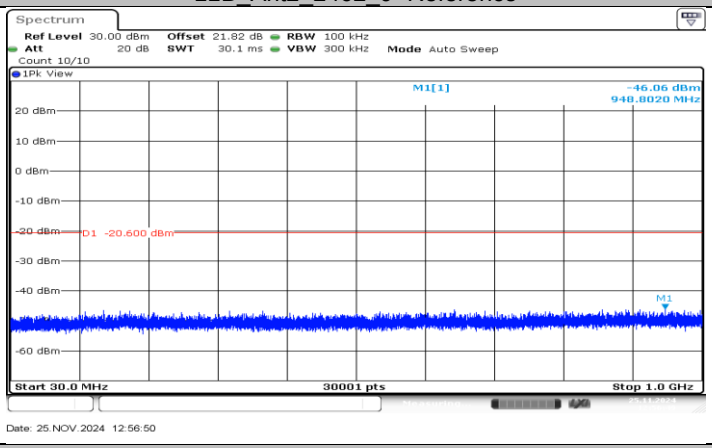


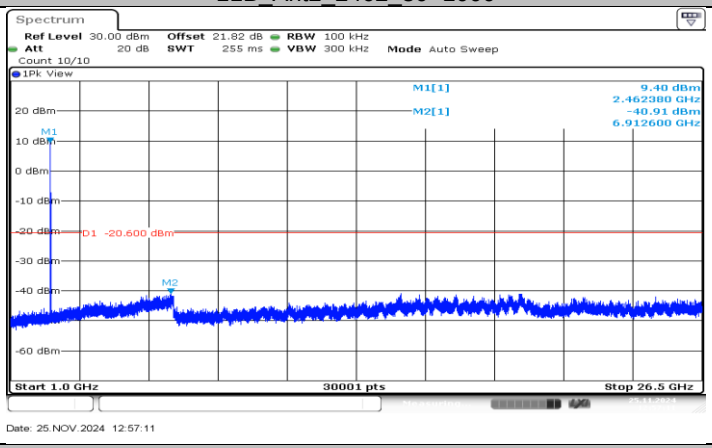
11B_Ant1_2462_1000~26500



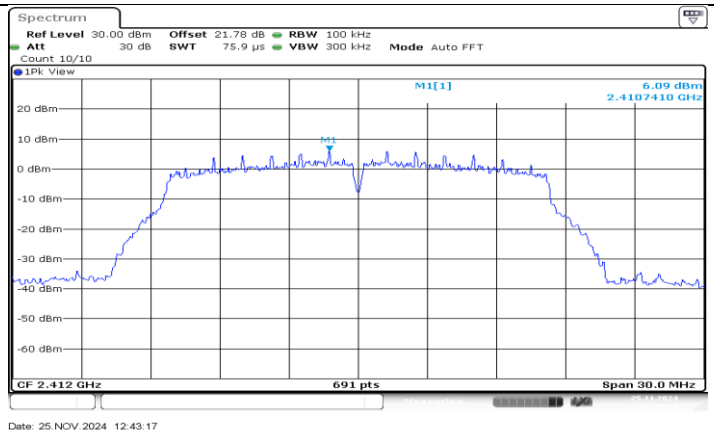
11B_Ant2_2462_0~Reference



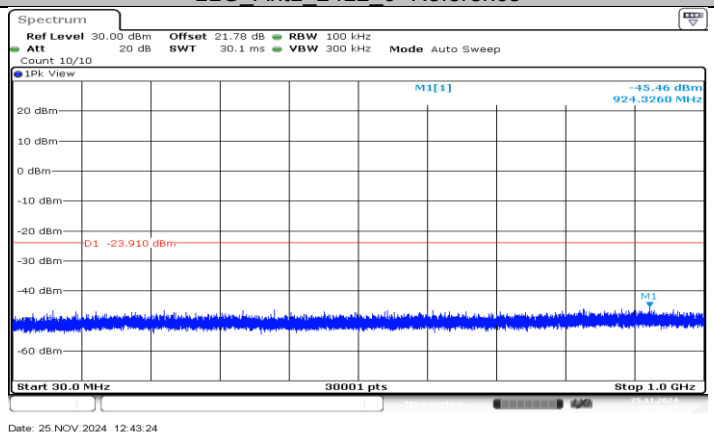
11B_Ant2_2462_30~1000



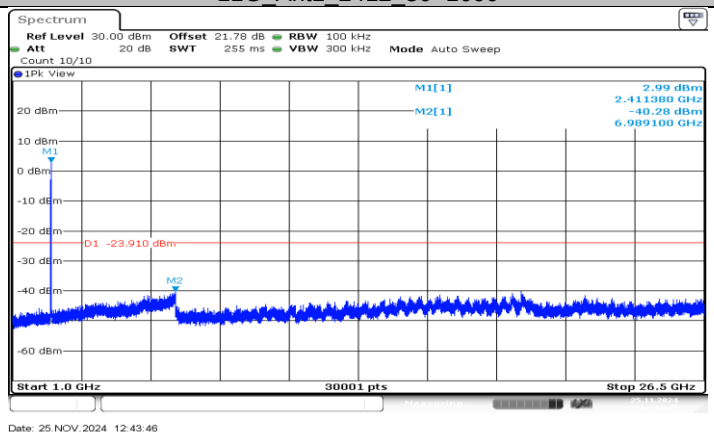
11B_Ant2_2462_1000~26500



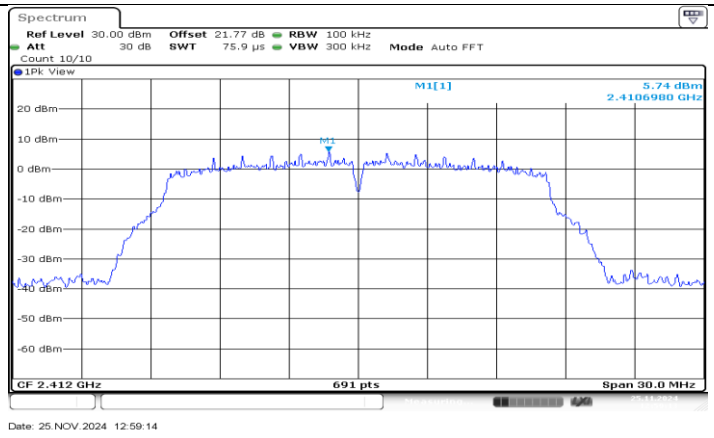
11G_Ant1_2412_0~Reference



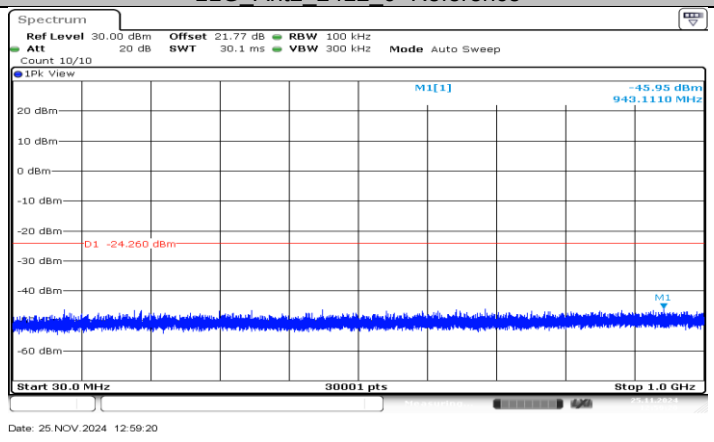
11G_Ant1_2412_30~1000



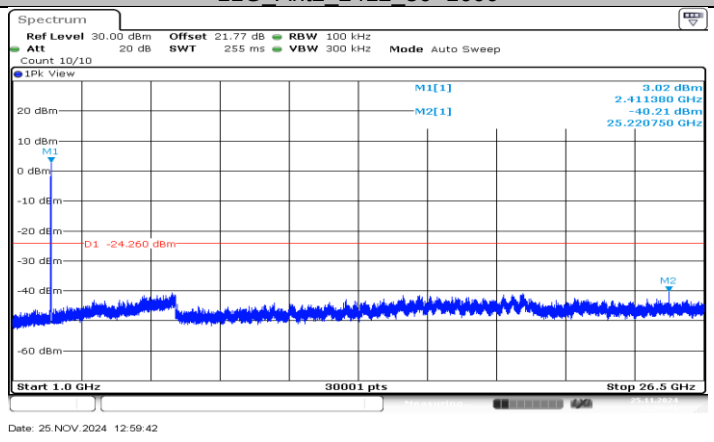
11G_Ant1_2412_1000~26500



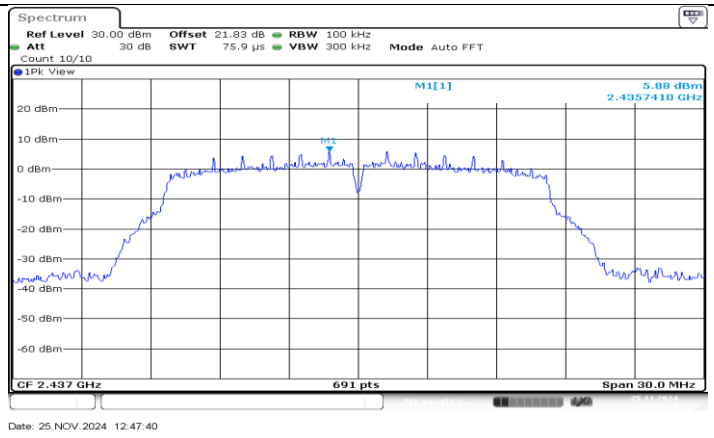
11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



11G_Ant2_2412_1000~26500



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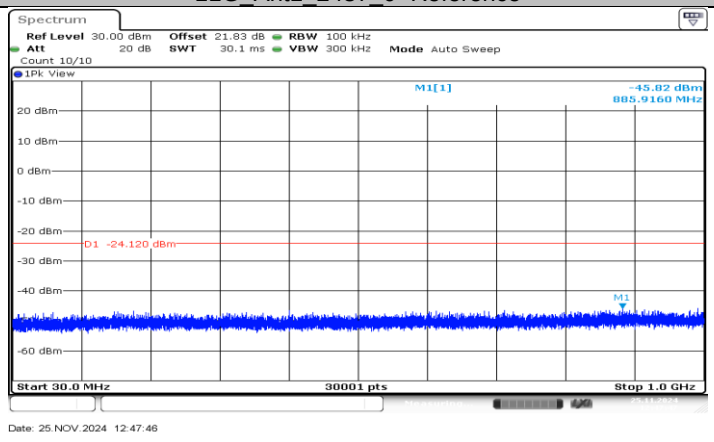
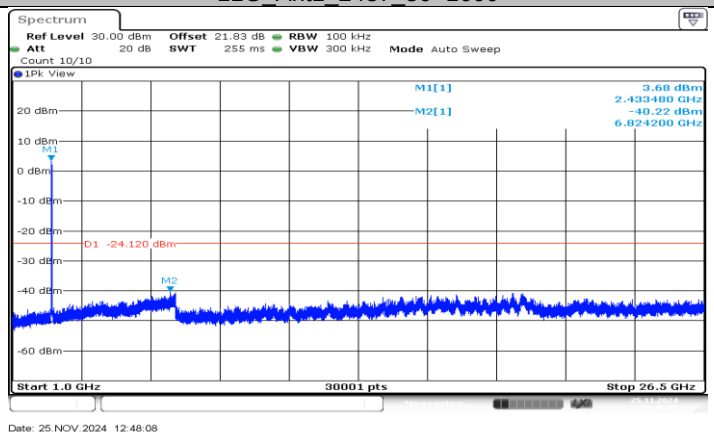
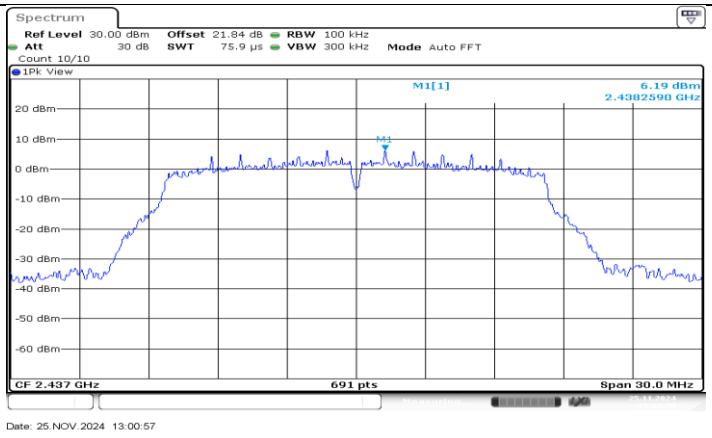


11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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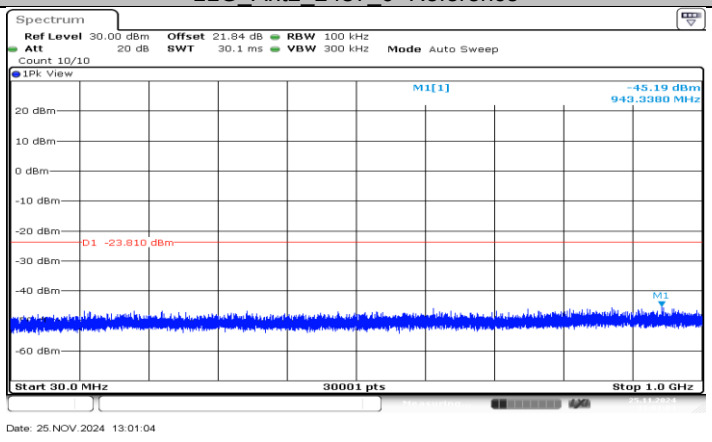

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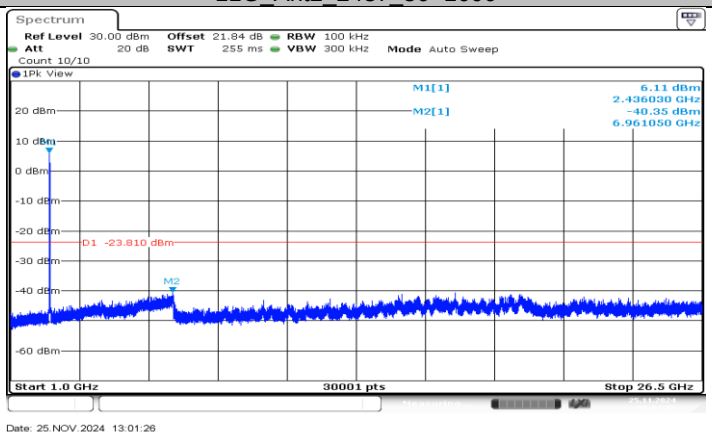
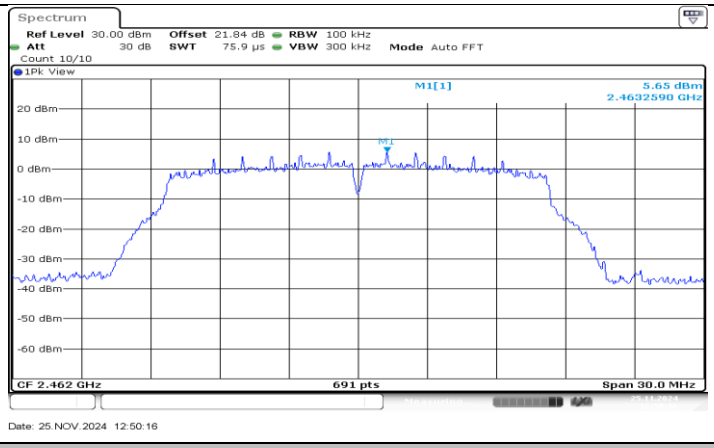
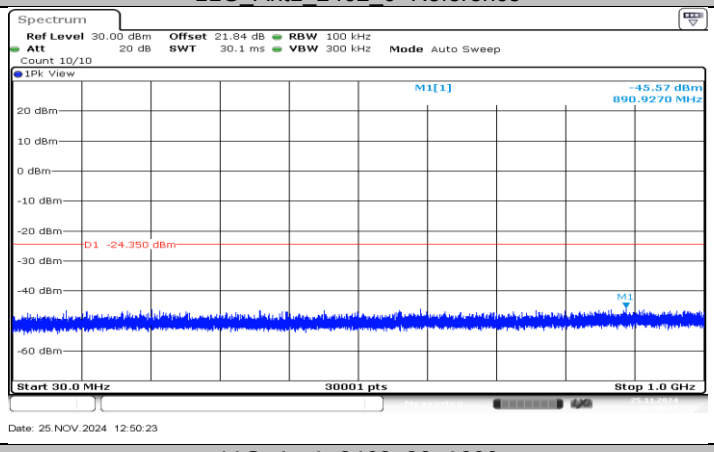


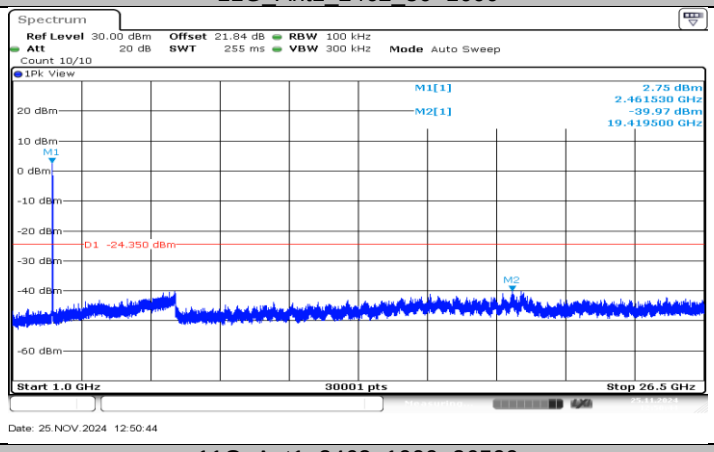
11G_Ant2_2437_1000~26500



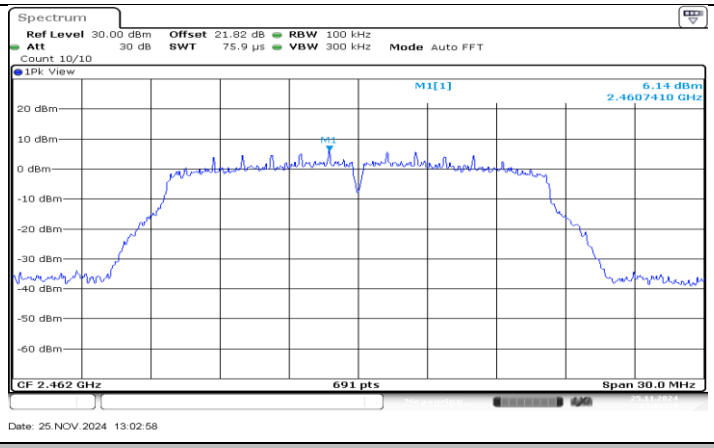
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



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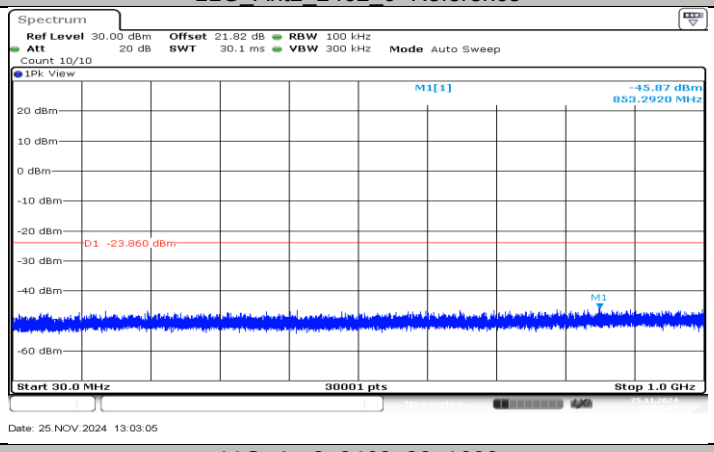

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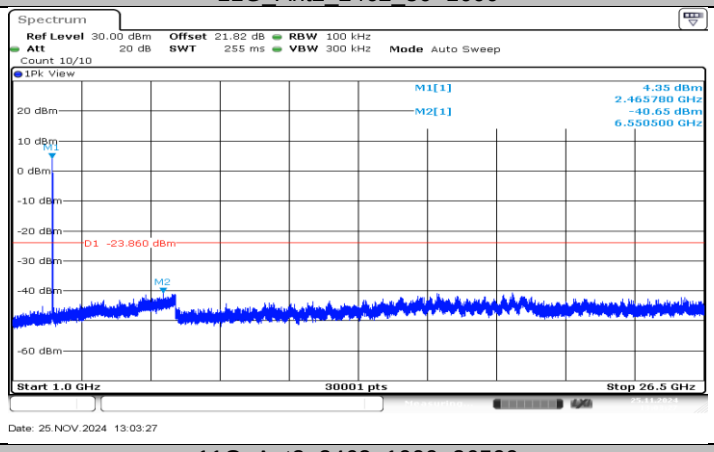
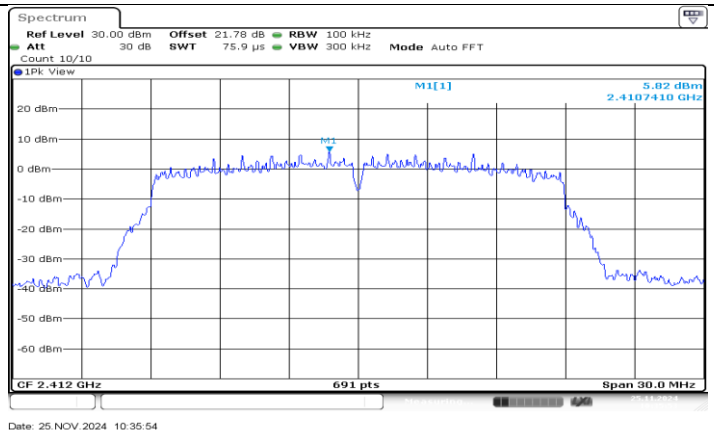
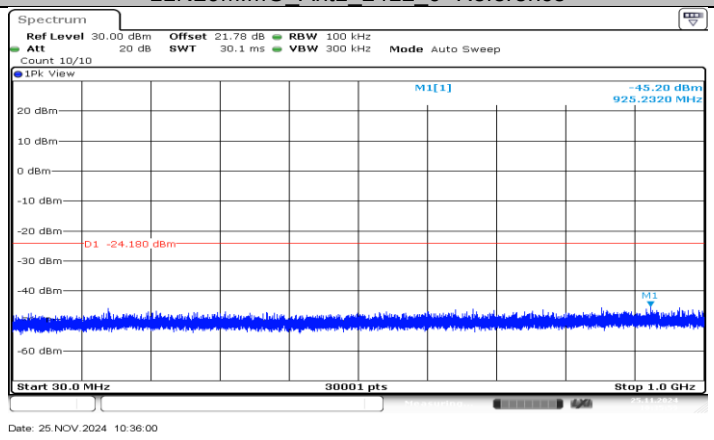


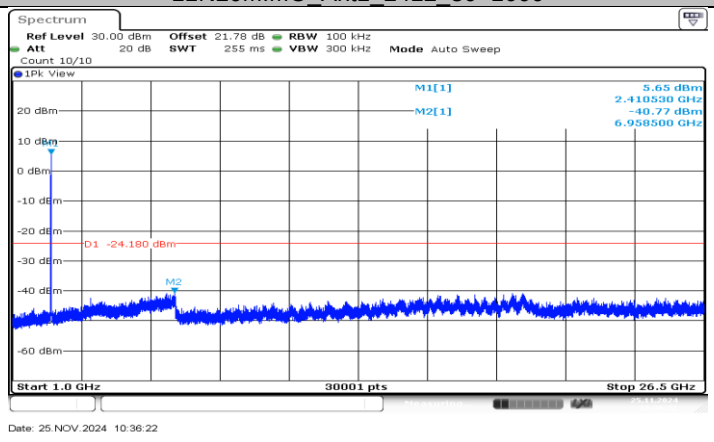
11G_Ant2_2462_1000~26500



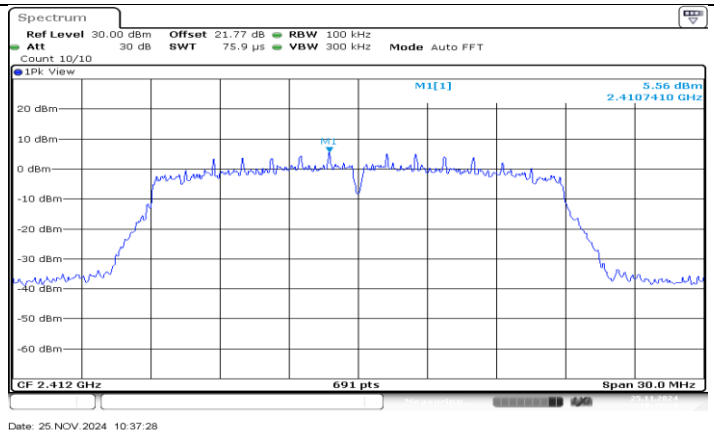
11N20MIMO_Ant1_2412_0~Reference



11N20MIMO_Ant1_2412_30~1000



11N20MIMO_Ant1_2412_1000~26500



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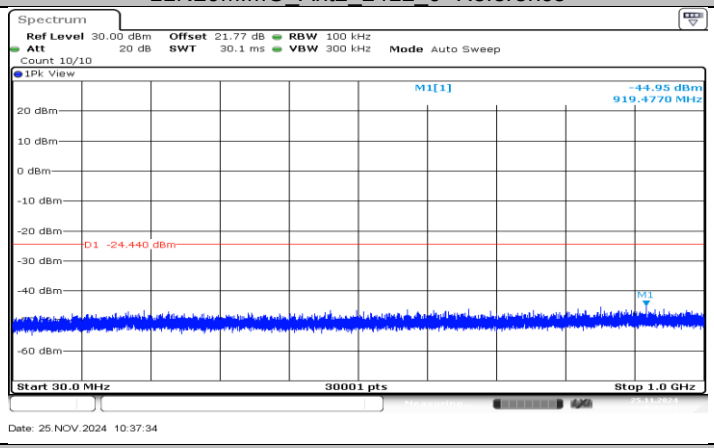

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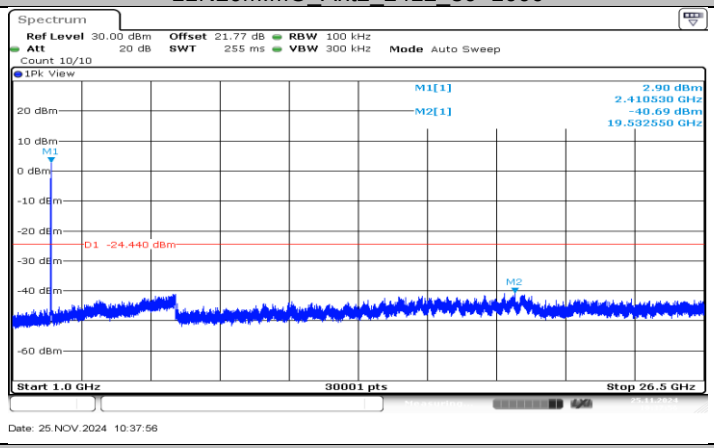
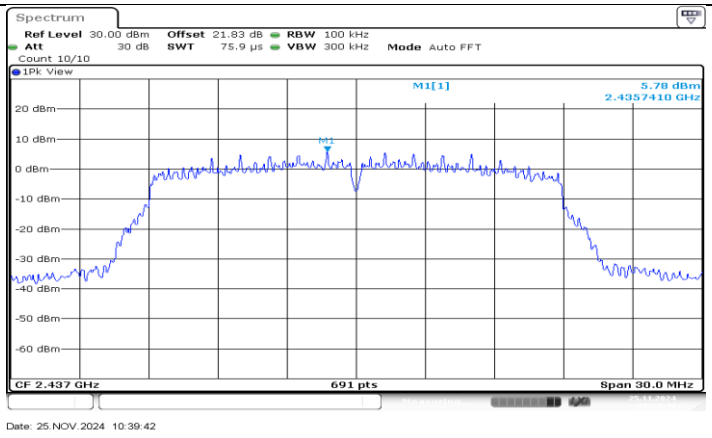
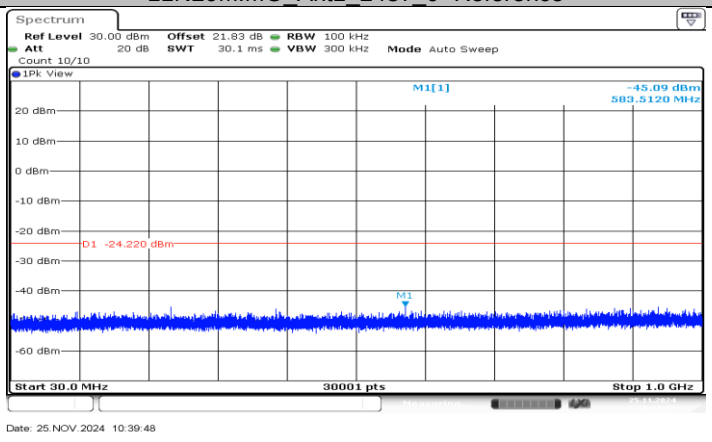


11N20MIMO_Ant2_2412_1000~26500



11N20MIMO_Ant1_2437_0~Reference



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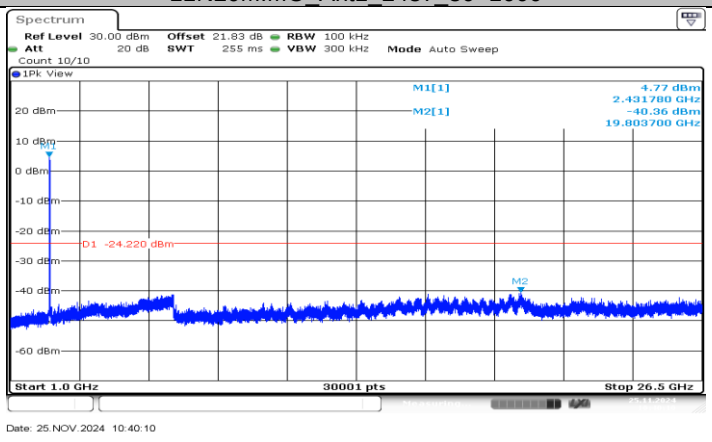

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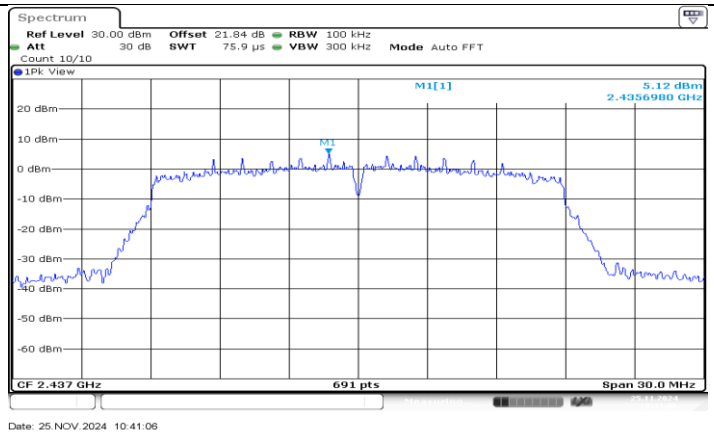

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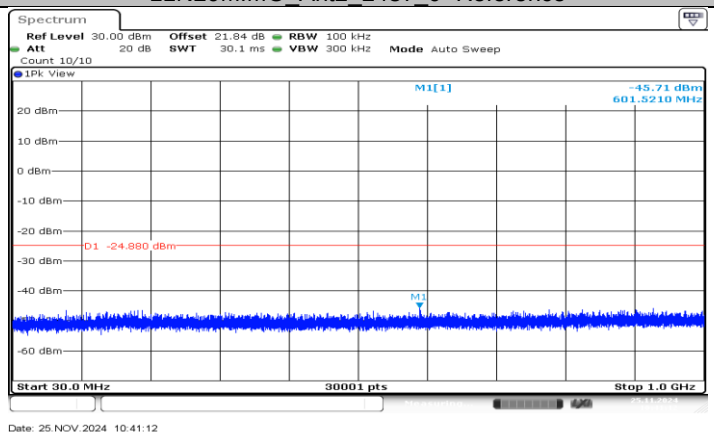
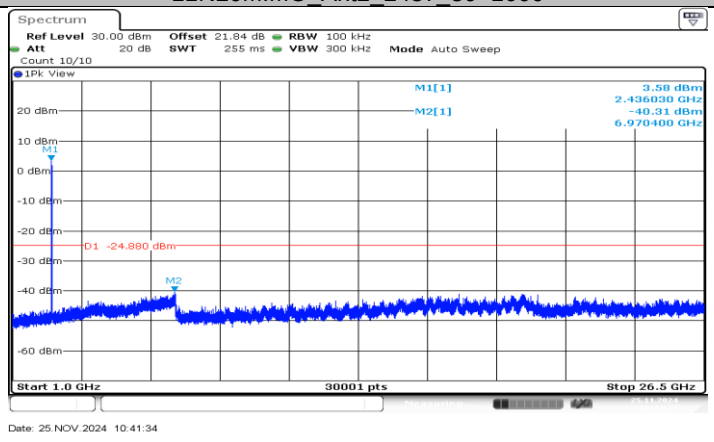
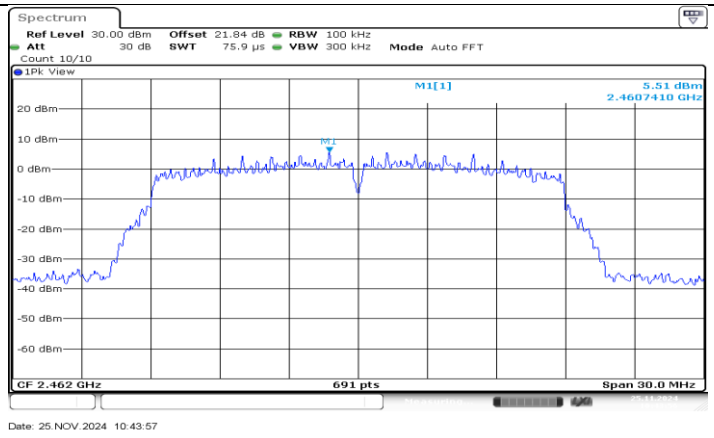


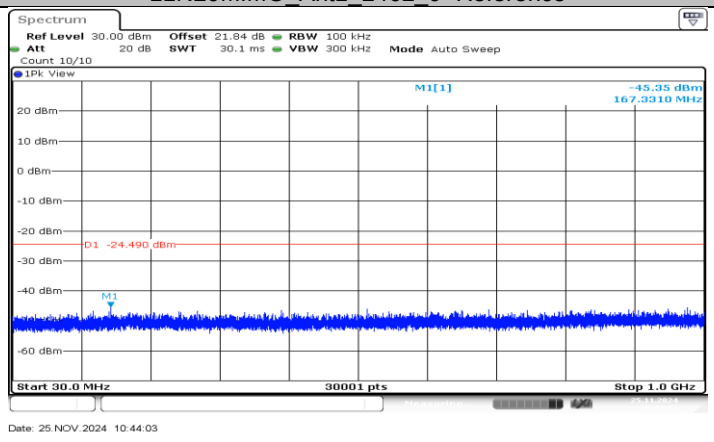
11N20MIMO_Ant2_2437_30~1000



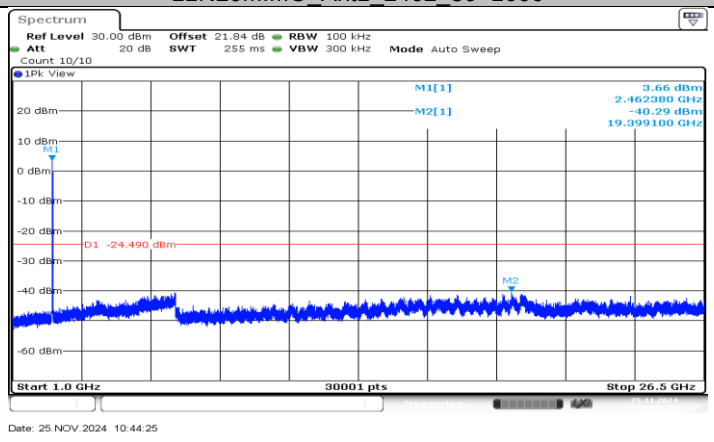
11N20MIMO_Ant2_2437_1000~26500



11N20MIMO_Ant1_2462_0~Reference



11N20MIMO_Ant1_2462_30~1000



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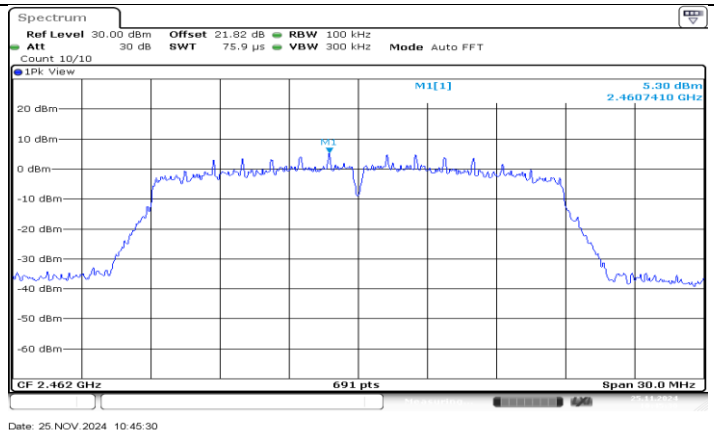

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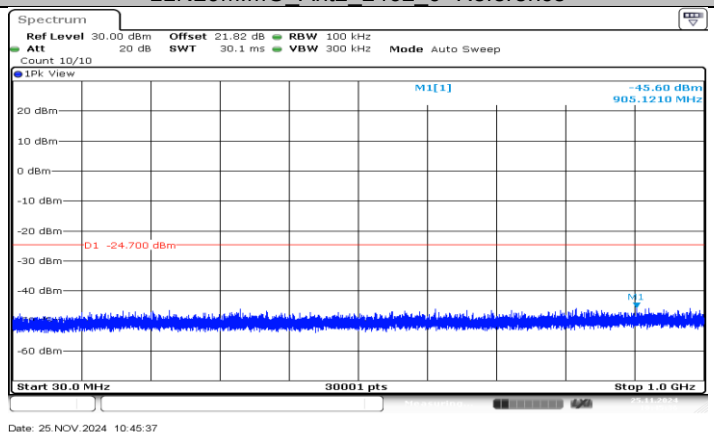

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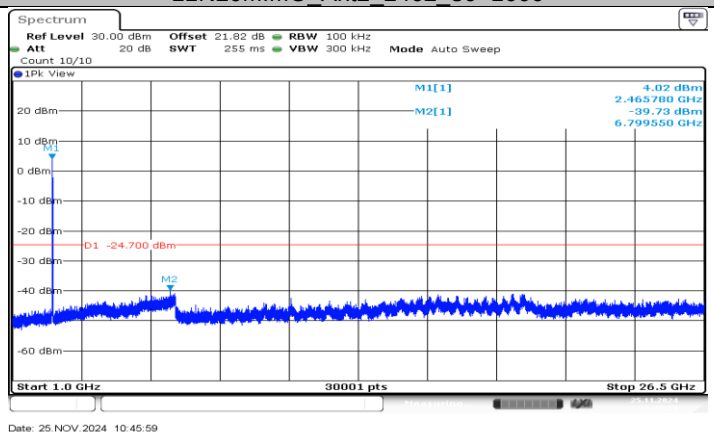

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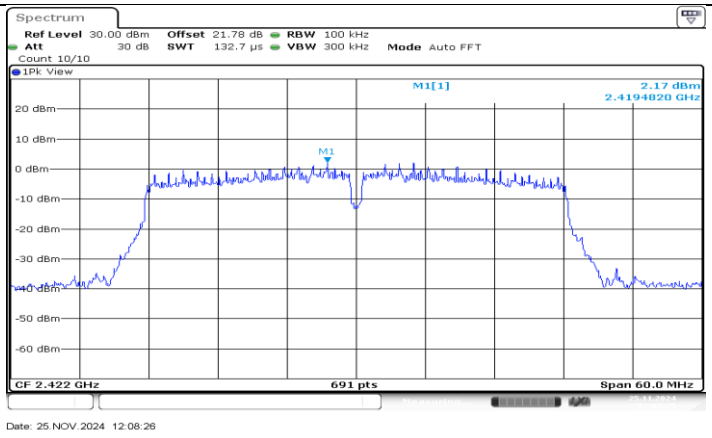

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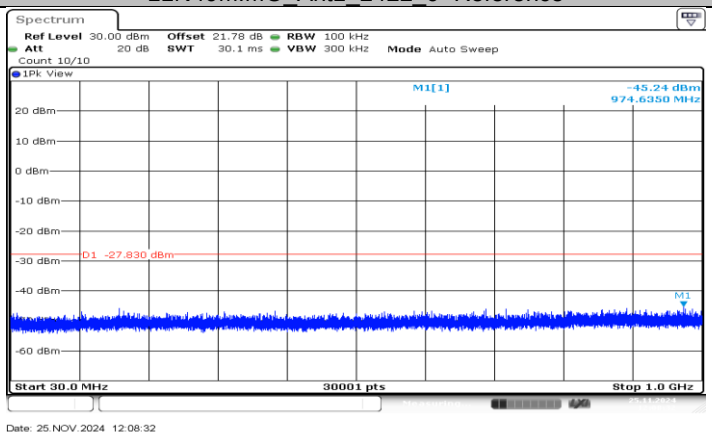

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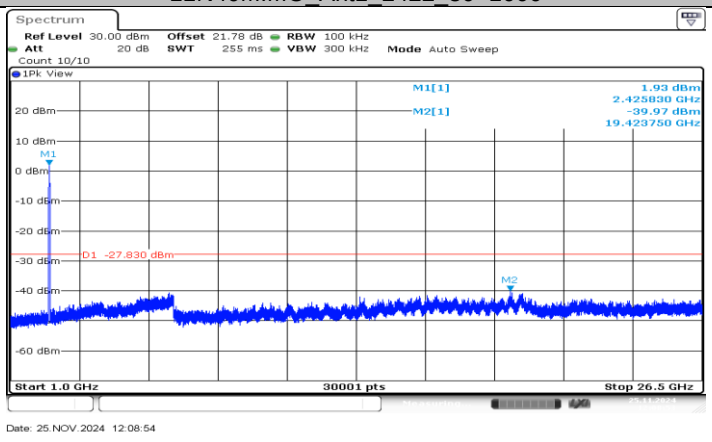

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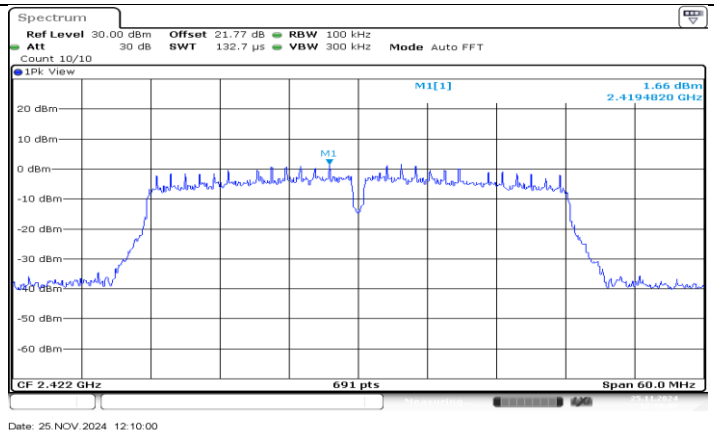

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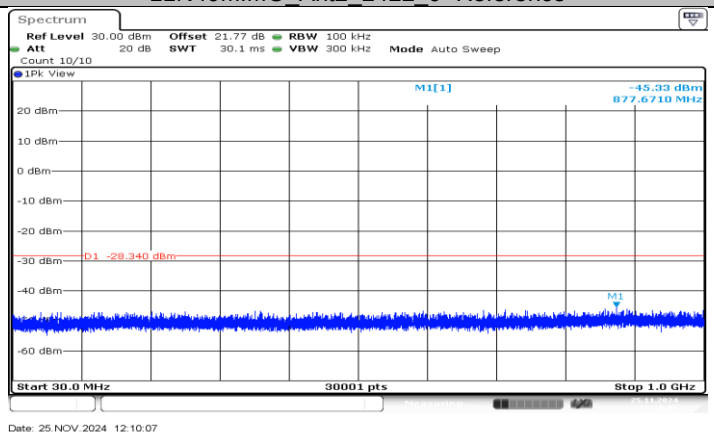

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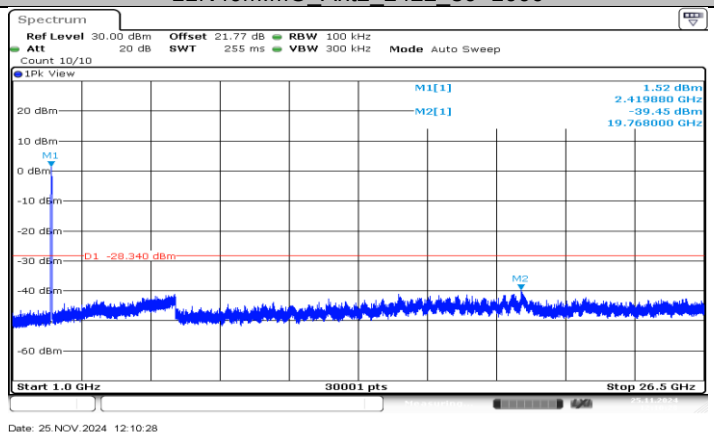

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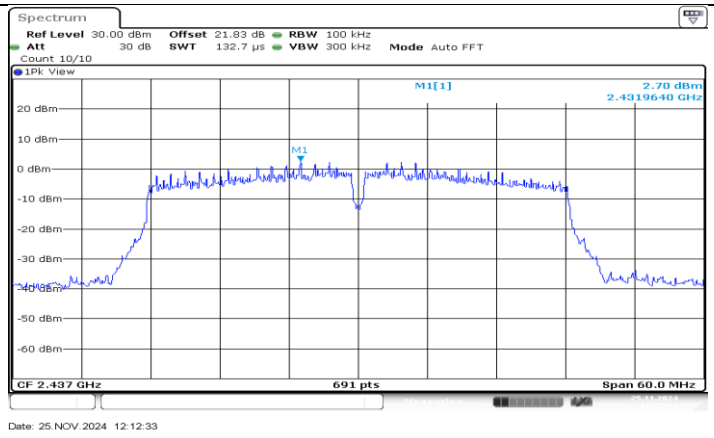

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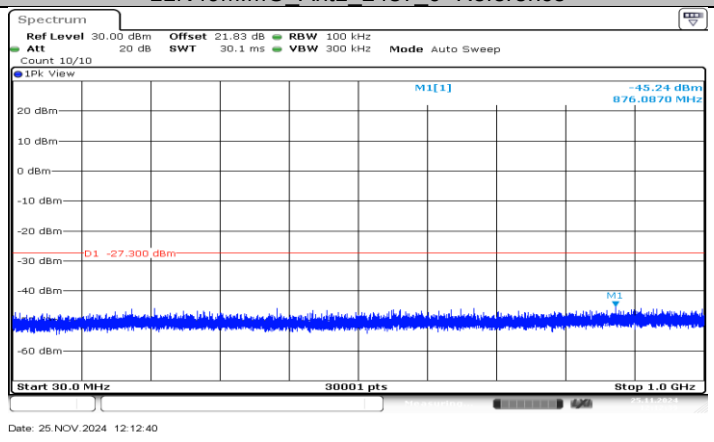
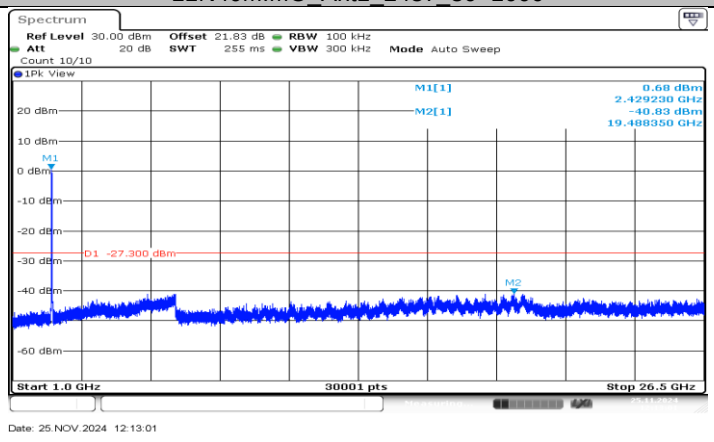


11N40MIMO_Ant1_2437_30~1000



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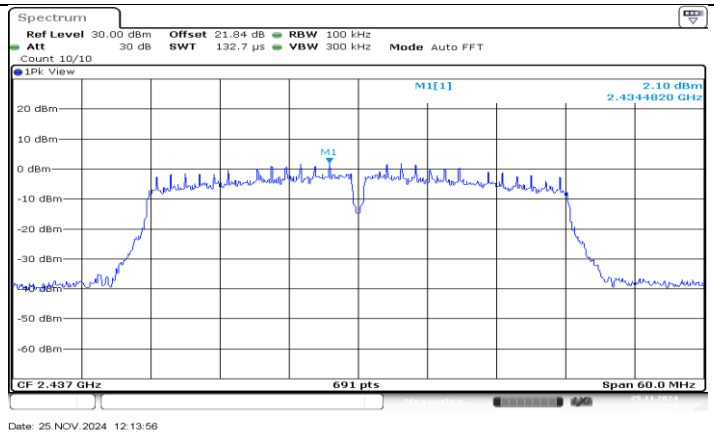

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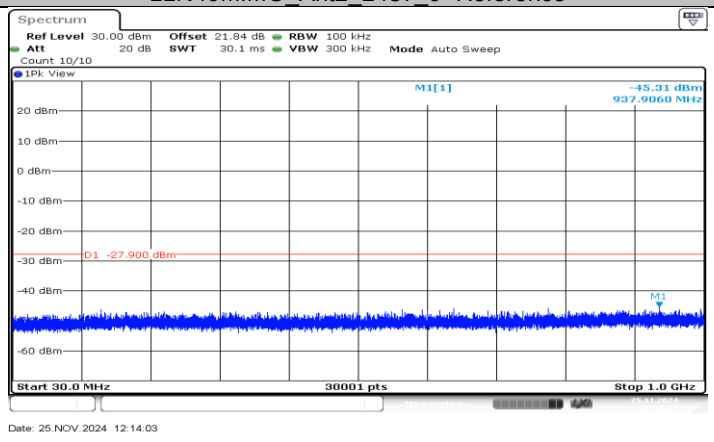
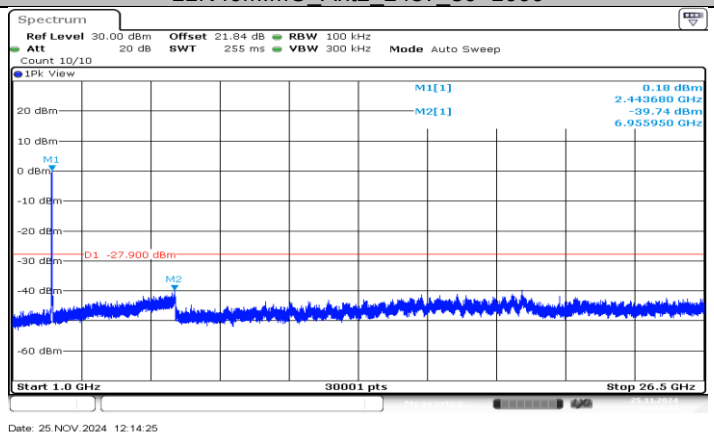


11N40MIMO_Ant2_2437_30~1000



11N40MIMO_Ant2_2437_1000~26500