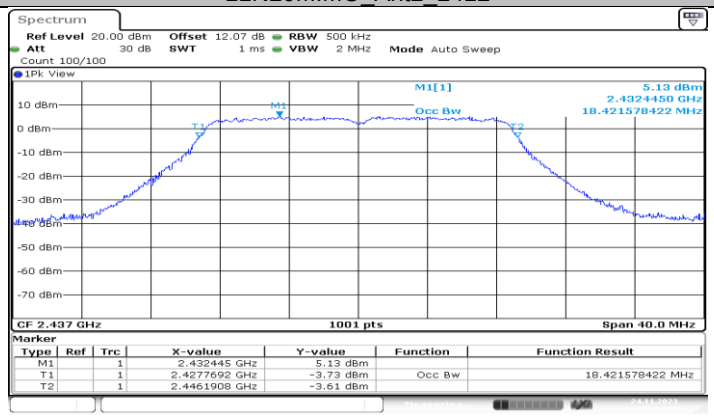
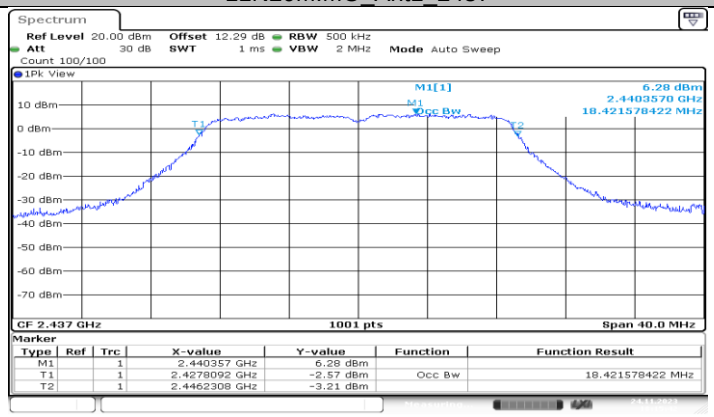
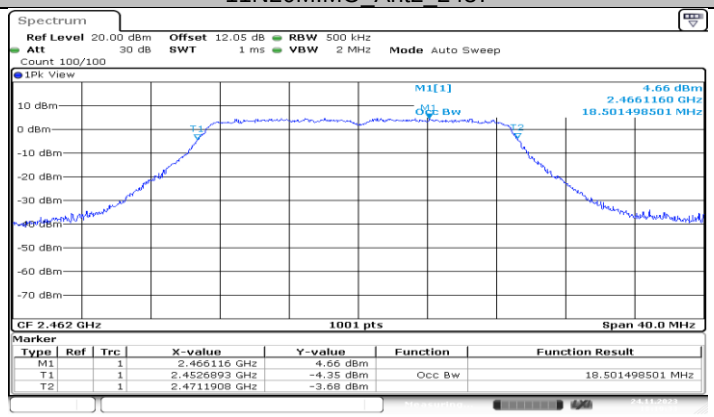
11N20MIMO_Ant2_2412



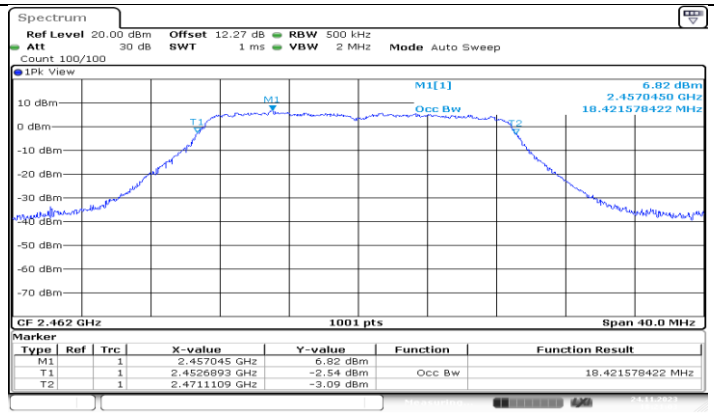
11N20MIMO_Ant1_2437



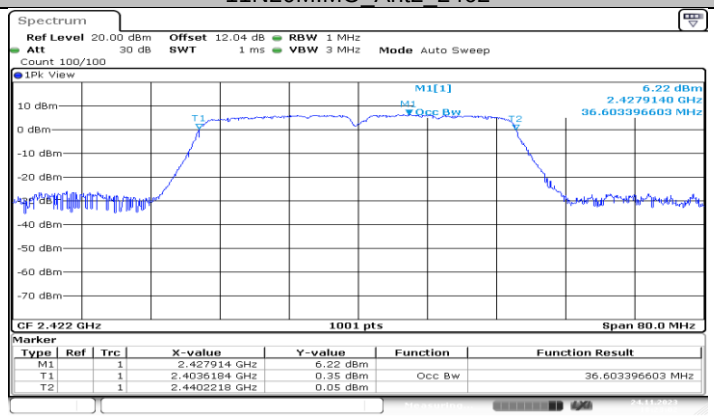
11N20MIMO_Ant2_2437



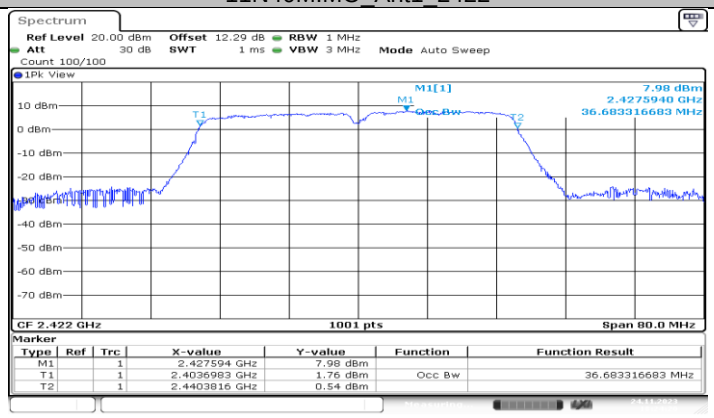
11N20MIMO_Ant1_2462



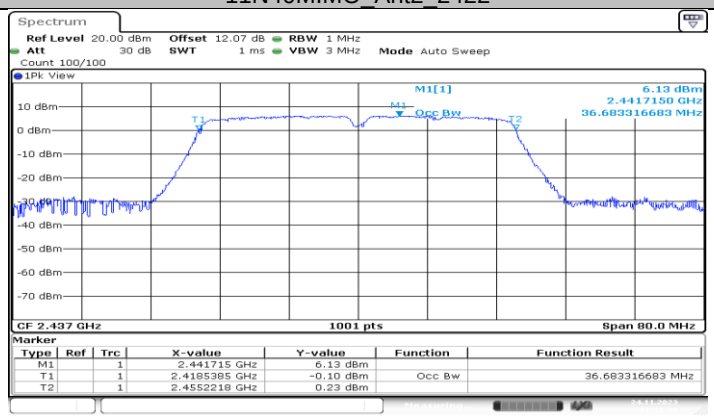
11N20MIMO_Ant2_2462



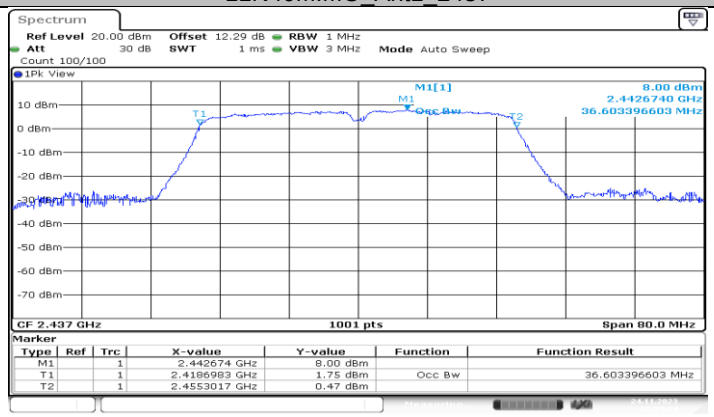
11N40MIMO_Ant1_2422



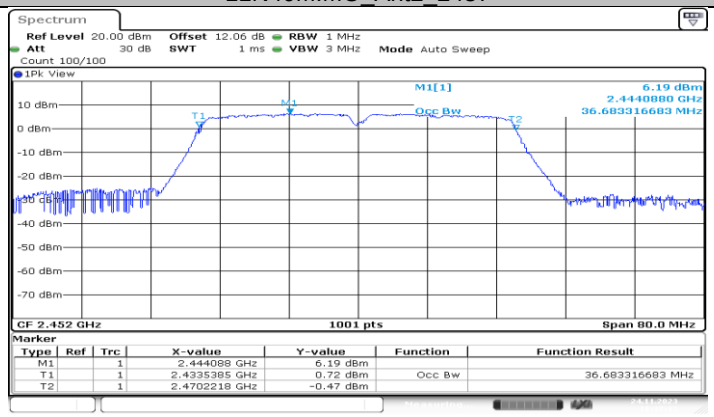
11N40MIMO_Ant2_2422



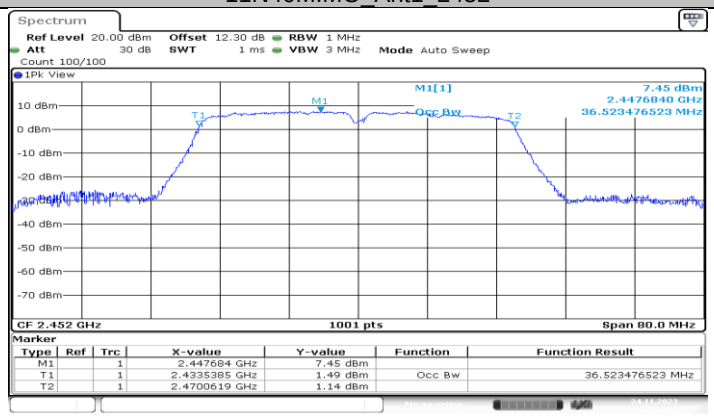
11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452

11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Peak Result[dBm]	AVG Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.09	16.13	≤30.00	PASS
	Ant2	2412	14.74	14.48	≤30.00	PASS
	Ant1	2437	14.09	16.13	≤30.00	PASS
	Ant2	2437	14.66	14.4	≤30.00	PASS
	Ant1	2462	13.70	15.74	≤30.00	PASS
	Ant2	2462	14.34	14.08	≤30.00	PASS
11G	Ant1	2412	14.21	16.25	≤30.00	PASS
	Ant2	2412	14.30	14.04	≤30.00	PASS
	Ant1	2437	13.83	15.87	≤30.00	PASS
	Ant2	2437	14.87	14.61	≤30.00	PASS
	Ant1	2462	13.41	15.45	≤30.00	PASS
	Ant2	2462	14.71	14.45	≤30.00	PASS
11N20MIMO	Ant1	2412	13.56	15.6	≤30.00	PASS
	Ant2	2412	13.89	13.63	≤30.00	PASS
	total	2412	16.74	18.78	≤30.00	PASS
	Ant1	2437	12.95	14.99	≤30.00	PASS
	Ant2	2437	14.05	13.79	≤30.00	PASS
	total	2437	16.55	18.59	≤30.00	PASS
	Ant1	2462	13.15	15.19	≤30.00	PASS
	Ant2	2462	13.77	13.51	≤30.00	PASS
	total	2462	16.48	18.52	≤30.00	PASS
11N40MIMO	Ant1	2422	13.73	15.77	≤30.00	PASS
	Ant2	2422	14.51	14.25	≤30.00	PASS
	total	2422	17.15	19.19	≤30.00	PASS
	Ant1	2437	13.13	15.17	≤30.00	PASS
	Ant2	2437	13.99	13.73	≤30.00	PASS
	total	2437	16.59	18.63	≤30.00	PASS
	Ant1	2452	13.63	15.67	≤30.00	PASS
	Ant2	2452	14.64	14.38	≤30.00	PASS
	total	2452	17.17	19.21	≤30.00	PASS

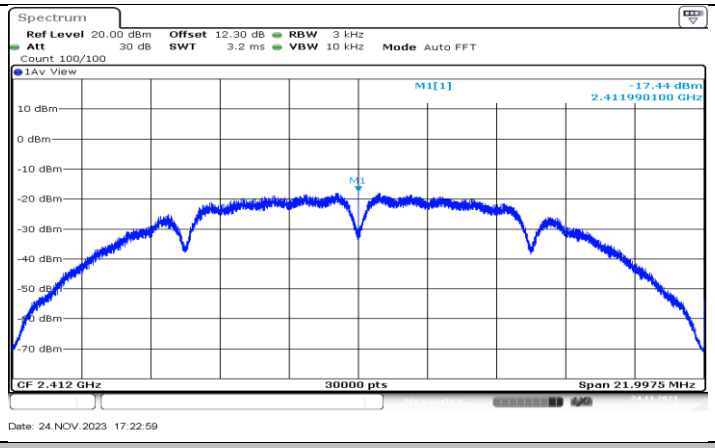
Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.

11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

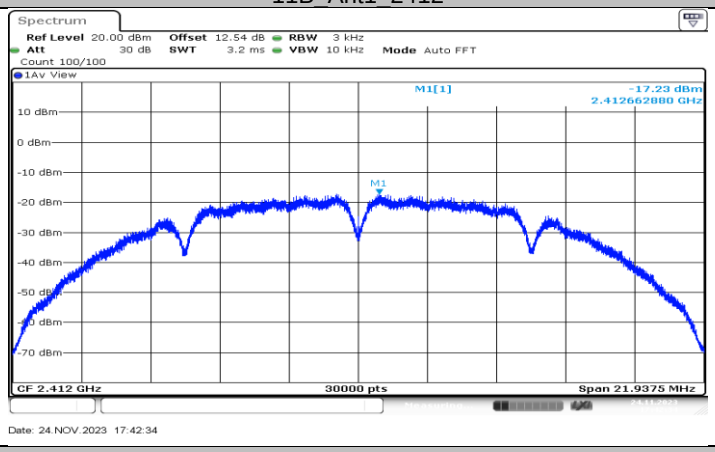
11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.44	≤8.00	PASS
	Ant2	2412	-17.23	≤8.00	PASS
	Ant1	2437	-17.52	≤8.00	PASS
	Ant2	2437	-17.30	≤8.00	PASS
	Ant1	2462	-18.01	≤8.00	PASS
	Ant2	2462	-17.75	≤8.00	PASS
11G	Ant1	2412	-18.04	≤8.00	PASS
	Ant2	2412	-17.42	≤8.00	PASS
	Ant1	2437	-17.42	≤8.00	PASS
	Ant2	2437	-17.07	≤8.00	PASS
	Ant1	2462	-18.75	≤8.00	PASS
	Ant2	2462	-17.13	≤8.00	PASS
11N20MIMO	Ant1	2412	-15.59	≤8.00	PASS
	Ant2	2412	-17.98	≤8.00	PASS
	total	2412	-13.61	≤8.00	PASS
	Ant1	2437	-18.92	≤8.00	PASS
	Ant2	2437	-17.75	≤8.00	PASS
	total	2437	-15.29	≤8.00	PASS
	Ant1	2462	-15.29	≤8.00	PASS
	Ant2	2462	-18.15	≤8.00	PASS
	total	2462	-13.48	≤8.00	PASS
11N40MIMO	Ant1	2422	-19.28	≤8.00	PASS
	Ant2	2422	-19.04	≤8.00	PASS
	total	2422	-16.15	≤8.00	PASS
	Ant1	2437	-19.86	≤8.00	PASS
	Ant2	2437	-18.37	≤8.00	PASS
	total	2437	-16.04	≤8.00	PASS
	Ant1	2452	-19.62	≤8.00	PASS
	Ant2	2452	-17.69	≤8.00	PASS
	total	2452	-15.54	≤8.00	PASS

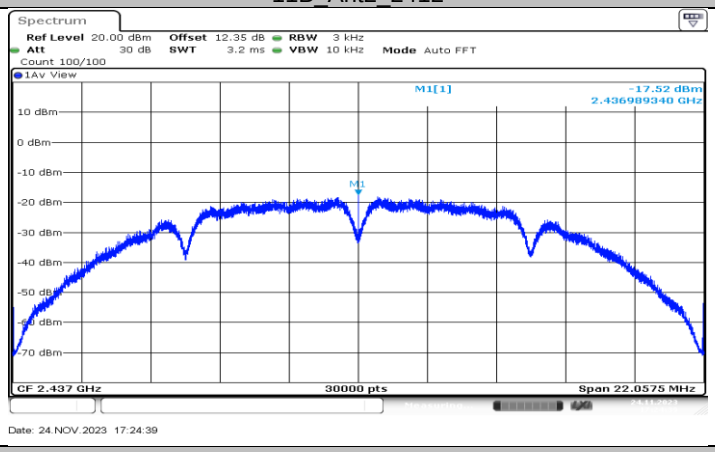
11.4.2. Test Graphs



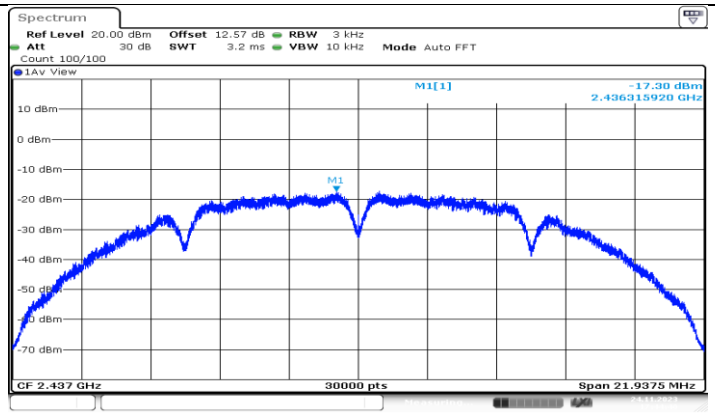
11B_Ant1_2412



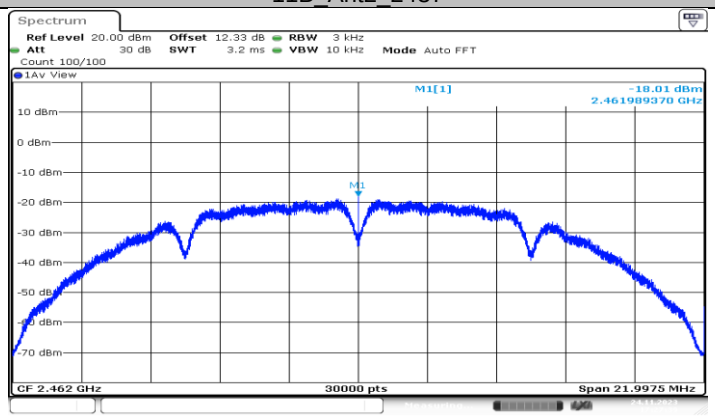
11B_Ant2_2412



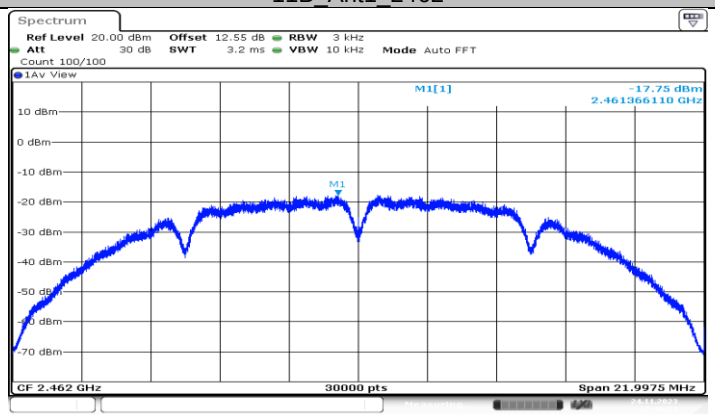
11B_Ant1_2437



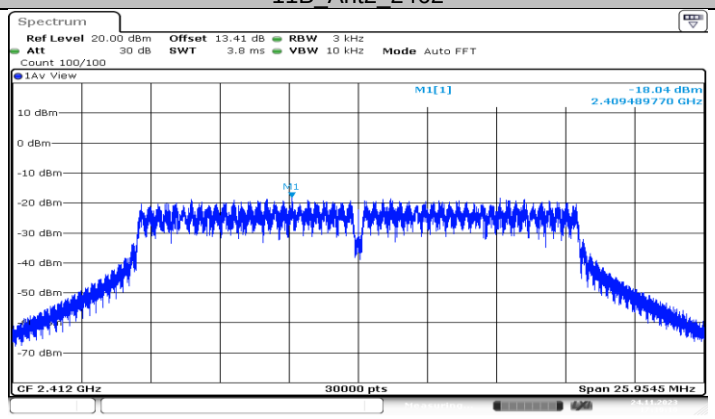
11B_Ant2_2437

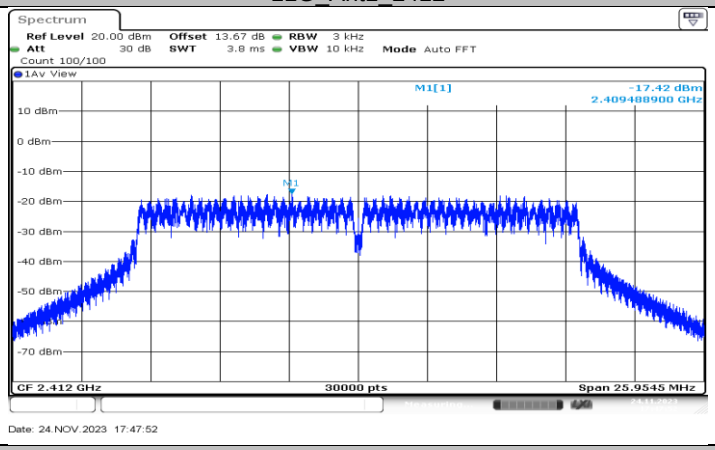


11B_Ant1_2462



11B_Ant2_2462



11G_Ant1_2412

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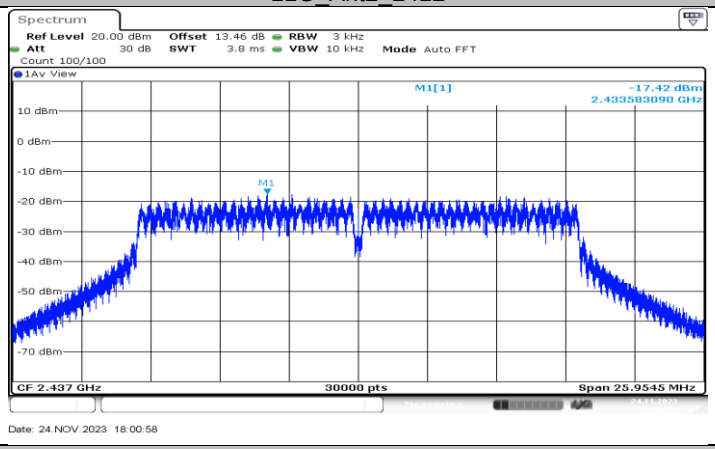
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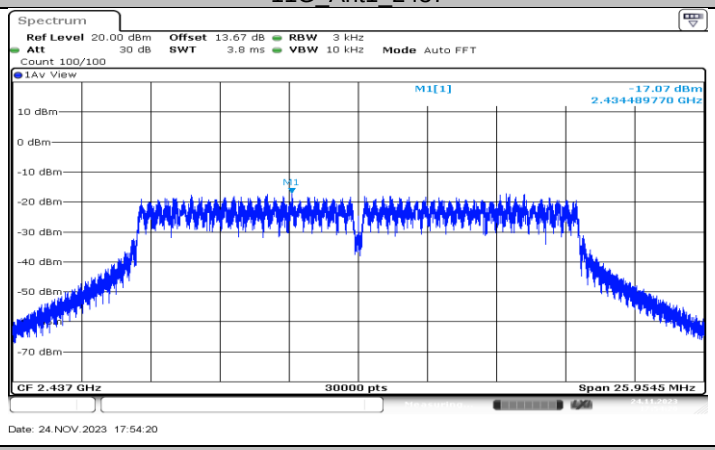
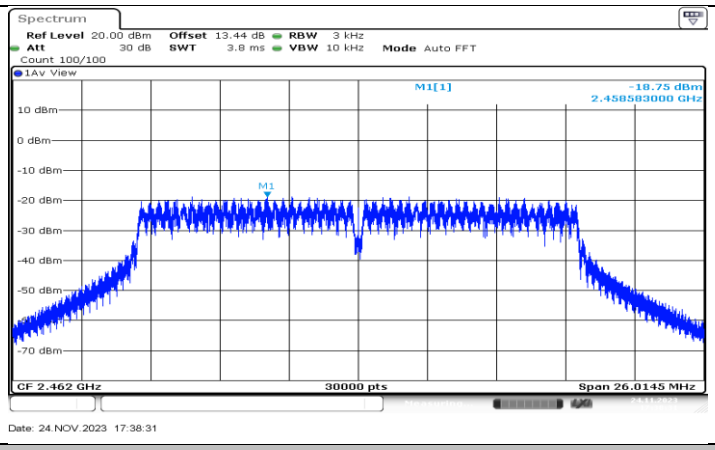
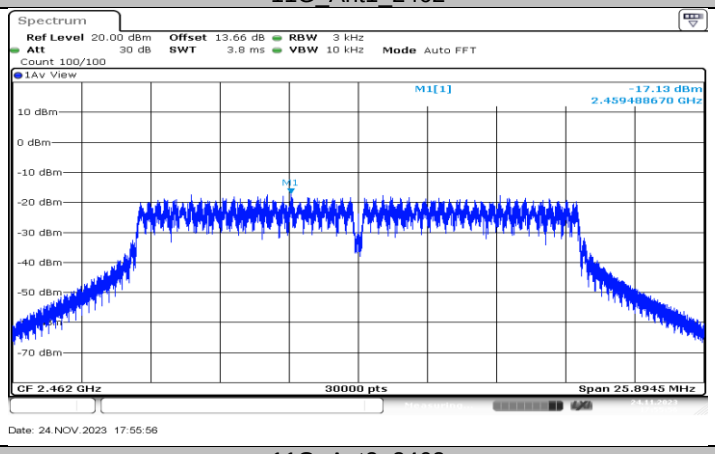
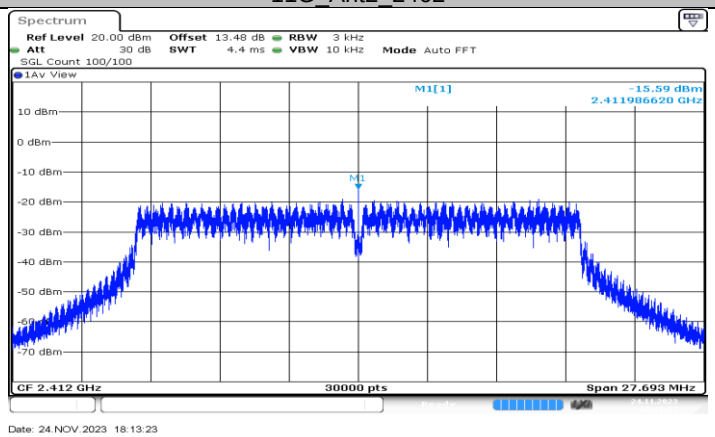

11G_Ant2_2437



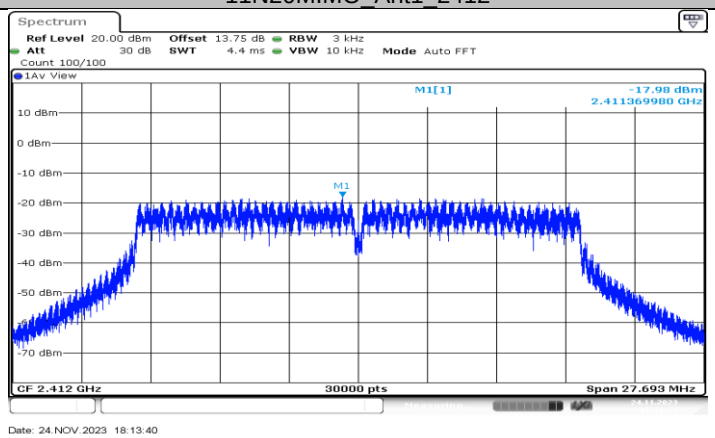
11G_Ant1_2462



11G_Ant2_2462



11N20MIMO_Ant1_2412



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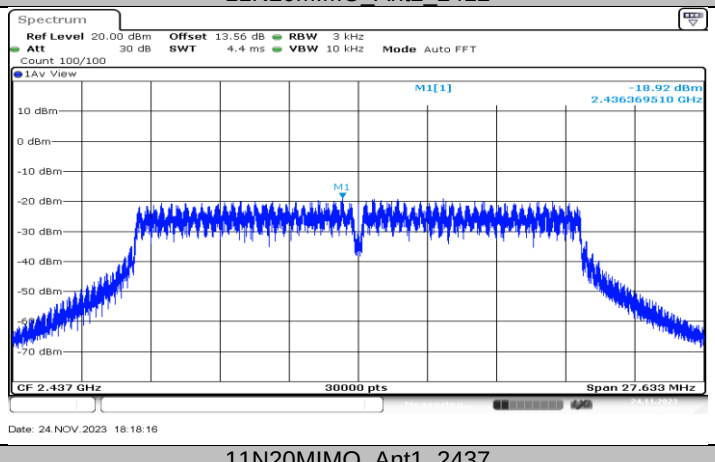
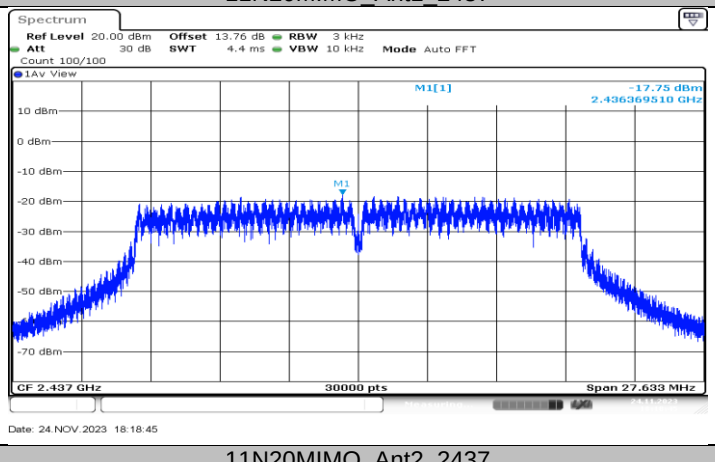

11N20MIMO_Ant1_2437

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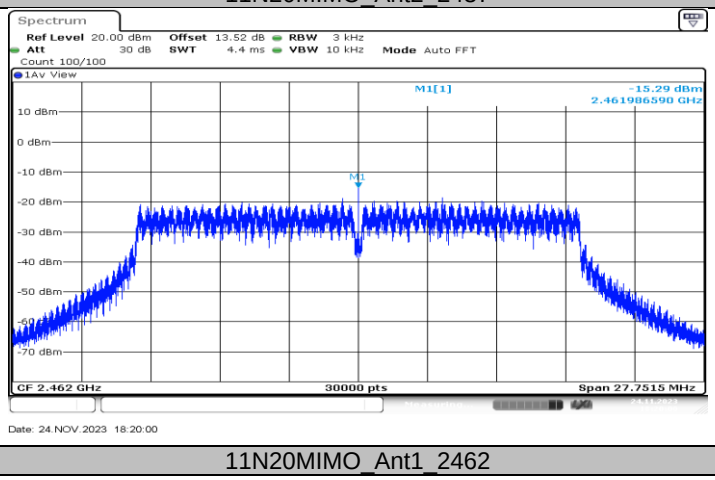
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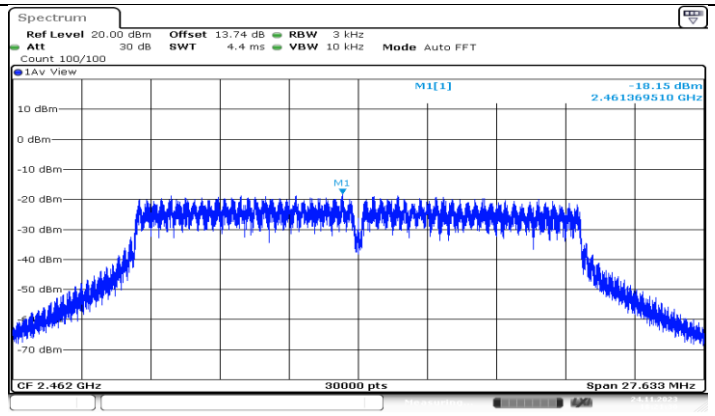
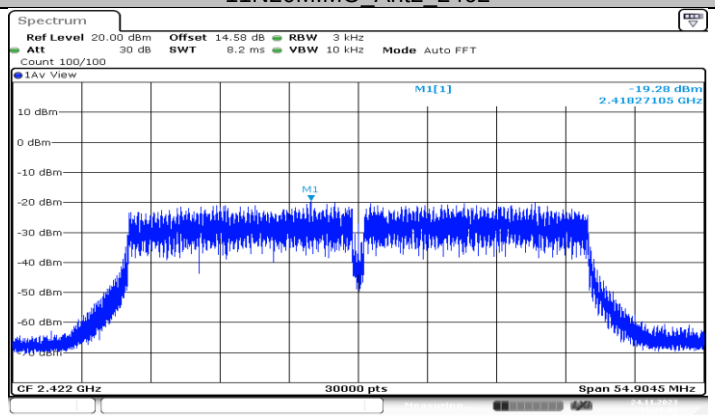
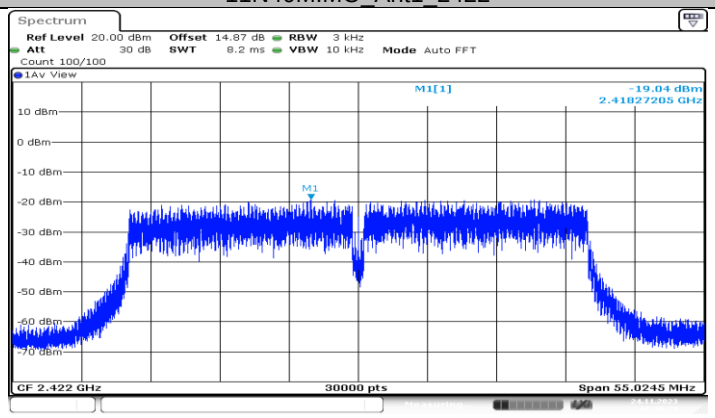


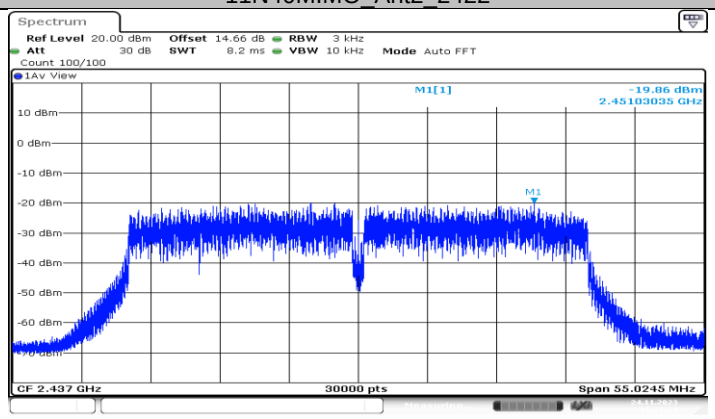
11N20MIMO_Ant2_2462



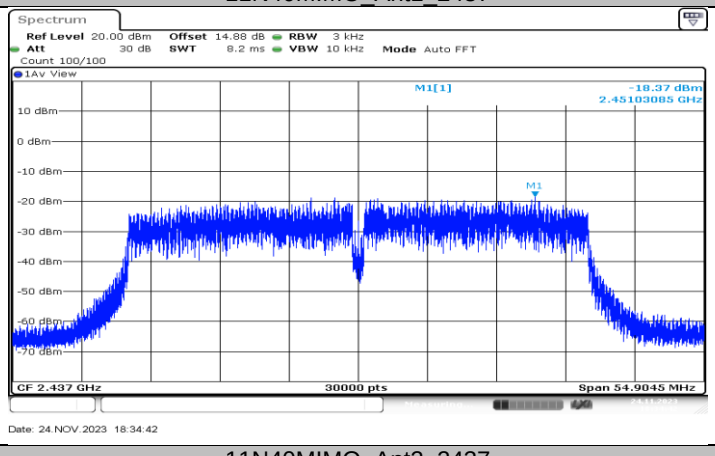
11N40MIMO_Ant1_2422



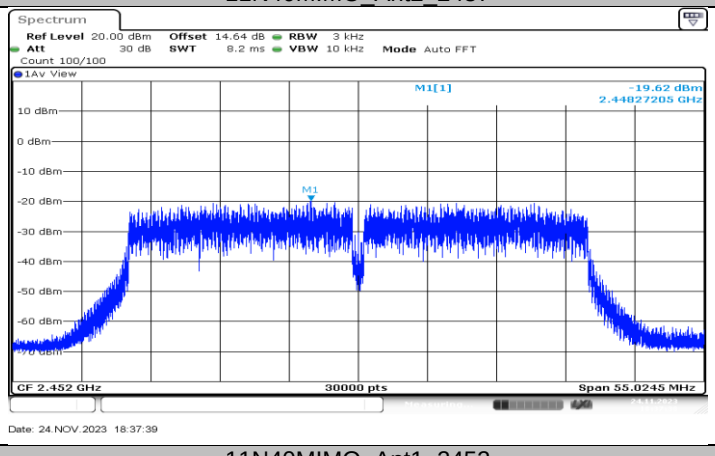
11N40MIMO_Ant2_2422



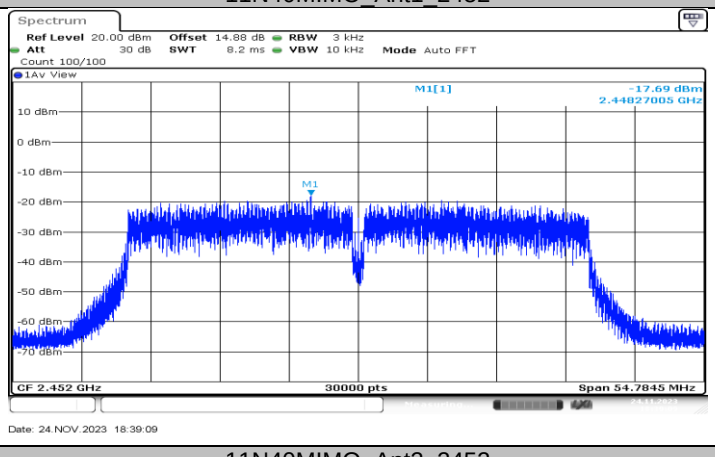
11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



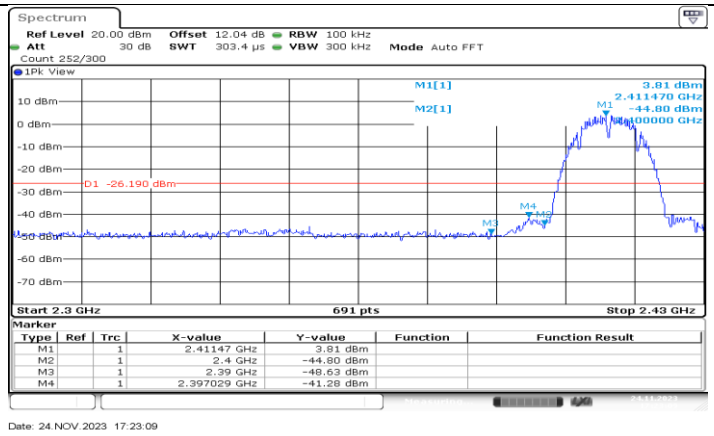
11N40MIMO_Ant2_2452

11.5. APPENDIX E: BAND EDGE MEASUREMENTS

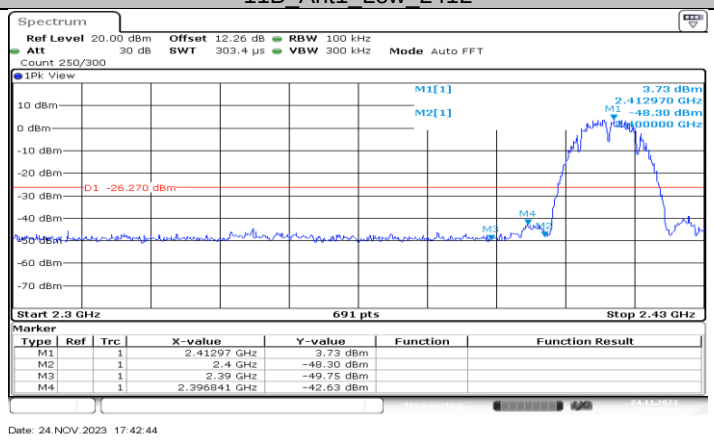
11.5.1. Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.81	-41.28	≤-26.19	PASS
	Ant2	Low	2412	3.73	-42.63	≤-26.27	PASS
	Ant1	High	2462	2.41	-46.22	≤-27.59	PASS
	Ant2	High	2462	4.11	-46.06	≤-25.89	PASS
11G	Ant1	Low	2412	0.44	-36.97	≤-29.56	PASS
	Ant2	Low	2412	2.10	-36.24	≤-27.9	PASS
	Ant1	High	2462	0.72	-46.65	≤-29.28	PASS
	Ant2	High	2462	2.17	-46.24	≤-27.83	PASS
11N20MIMO	Ant1	Low	2412	1.07	-35.34	≤-28.93	PASS
	Ant2	Low	2412	0.94	-34.23	≤-29.06	PASS
	Ant1	High	2462	-0.27	-46.61	≤-30.27	PASS
	Ant2	High	2462	1.67	-45.68	≤-28.33	PASS
11N40MIMO	Ant1	Low	2422	-1.69	-41.63	≤-31.69	PASS
	Ant2	Low	2422	-0.71	-39.21	≤-30.71	PASS
	Ant1	High	2452	-1.50	-40.48	≤-31.5	PASS
	Ant2	High	2452	0.13	-39.27	≤-29.87	PASS

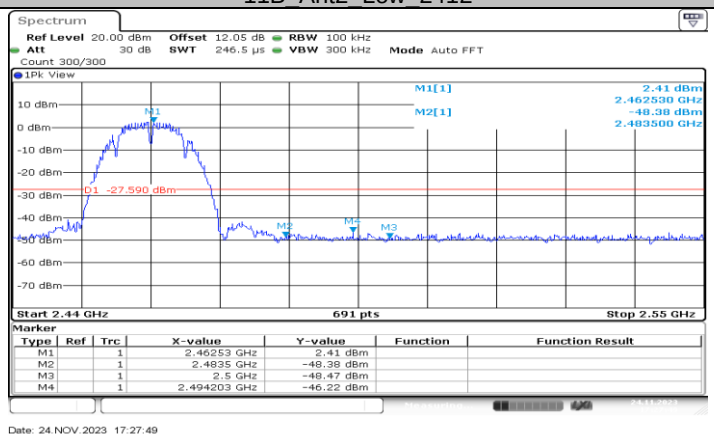
11.5.2. Test Graphs



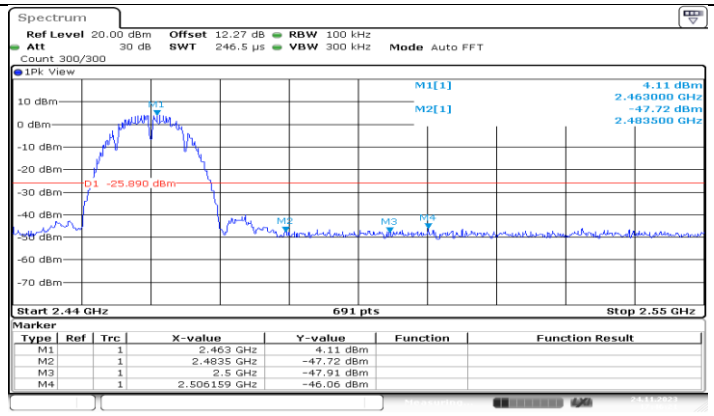
11B_Ant1_Low_2412



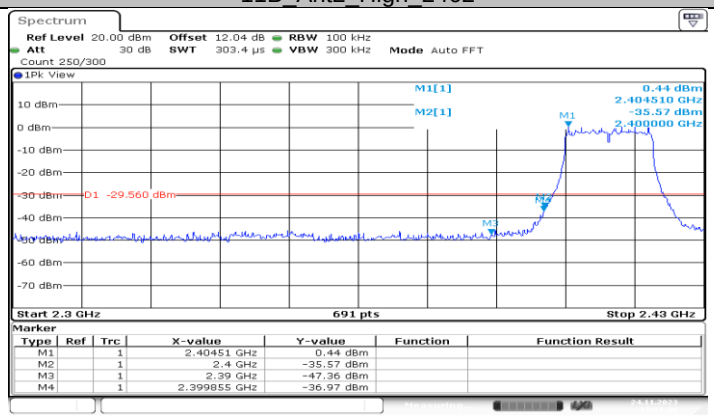
11B_Ant2_Low_2412



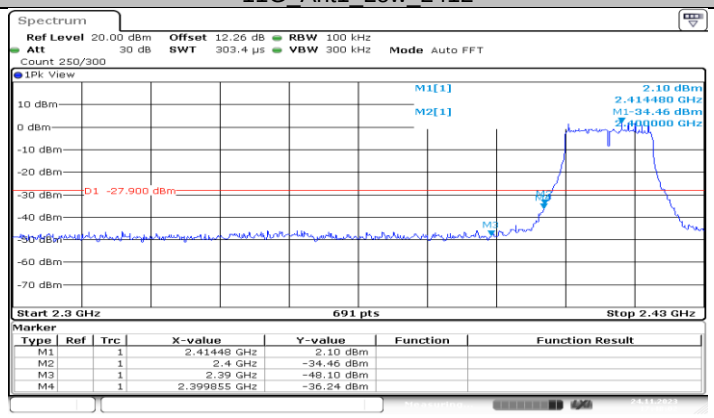
11B_Ant1_High_2462



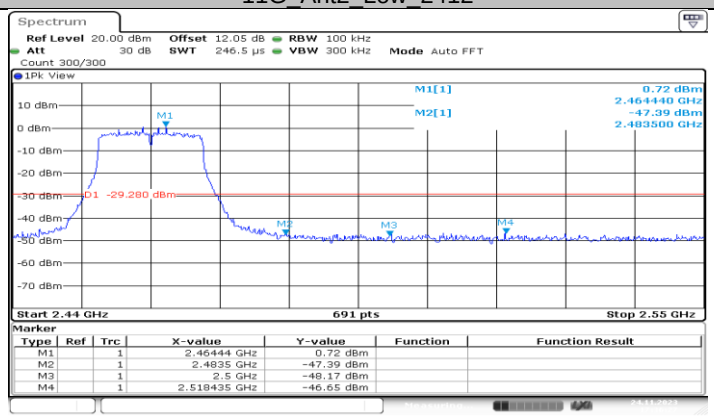
11B_Ant2_High_2462

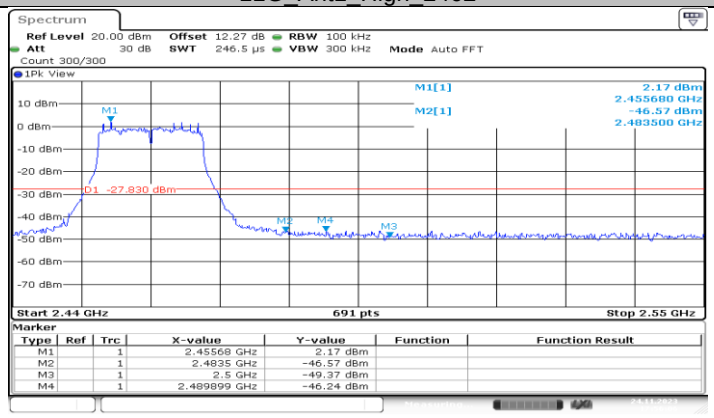


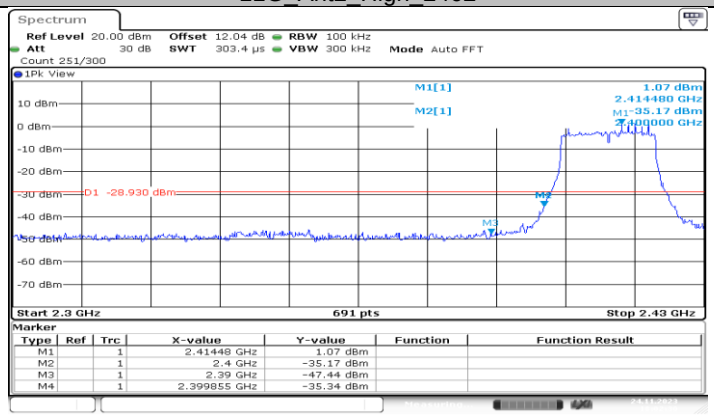
11G_Ant1_Low_2412

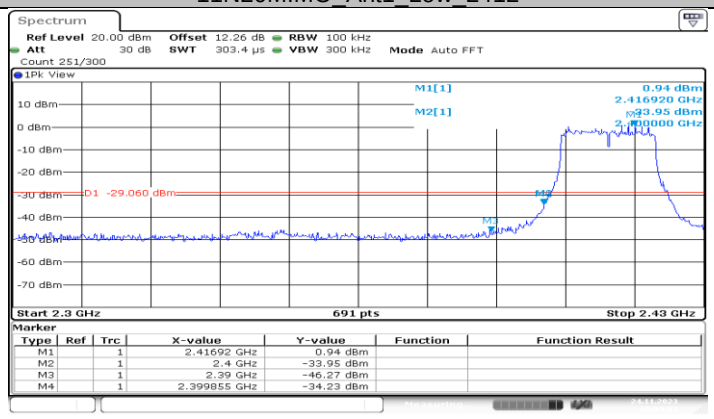


11G_Ant2_Low_2412

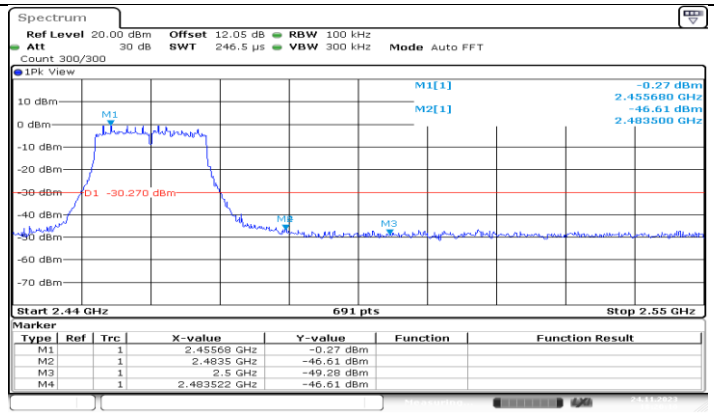


11G_Ant1_High_2462


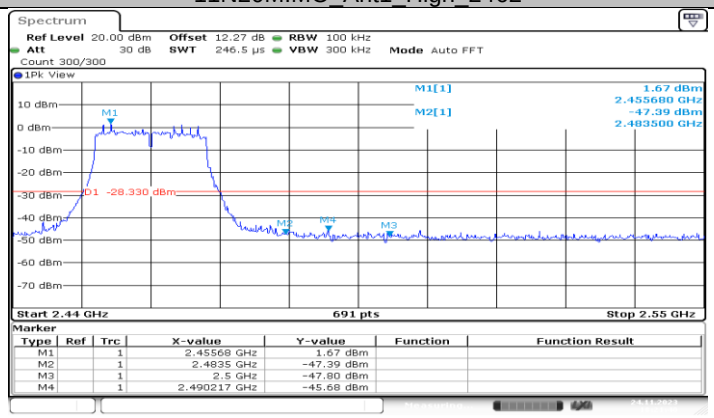
11G_Ant2_High_2462


11N20MIMO_Ant1_Low_2412


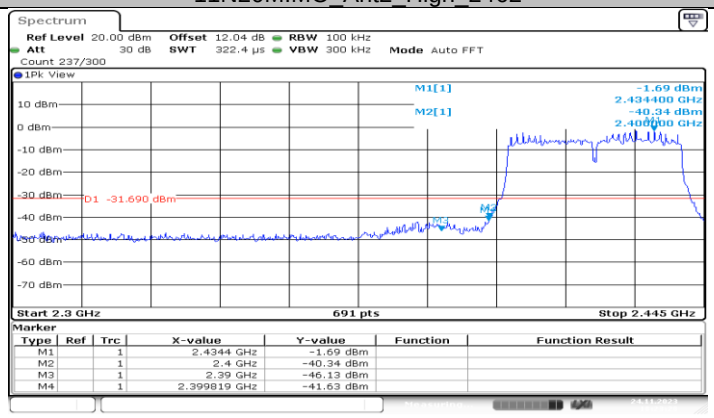
11N20MIMO_Ant2_Low_2412



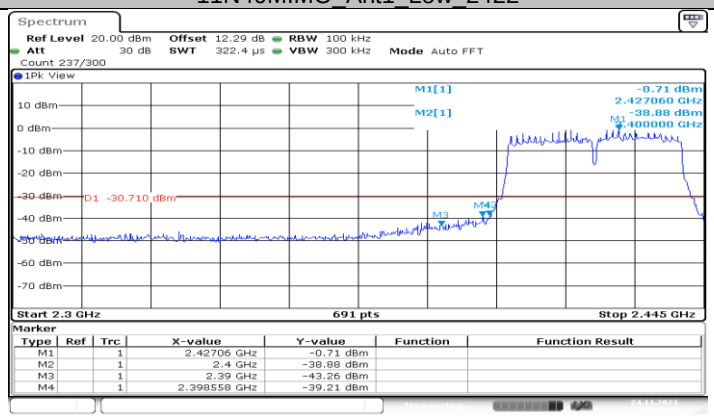
11N20MIMO_Ant1_High_2462

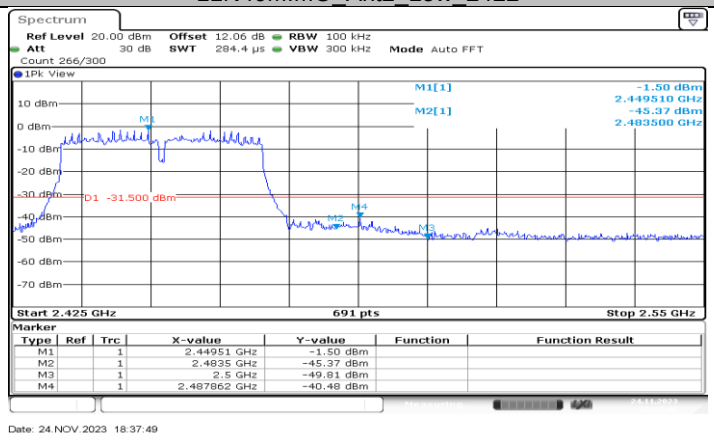
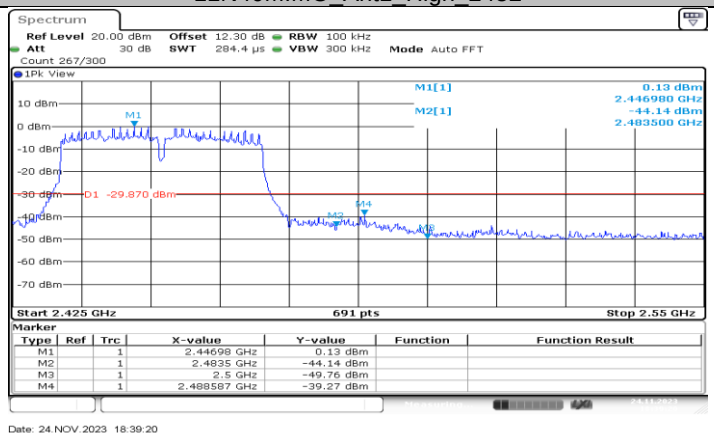


11N20MIMO_Ant2_High_2462



11N40MIMO_Ant1_Low_2422



11N40MIMO_Ant2_Low_2422

11N40MIMO_Ant1_High_2452

11N40MIMO_Ant2_High_2452

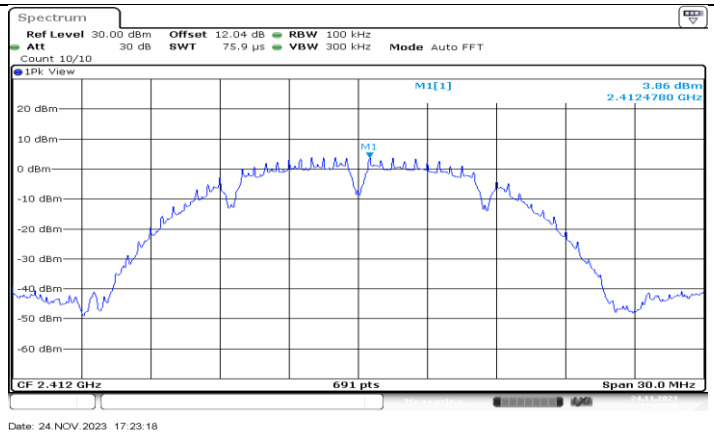
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

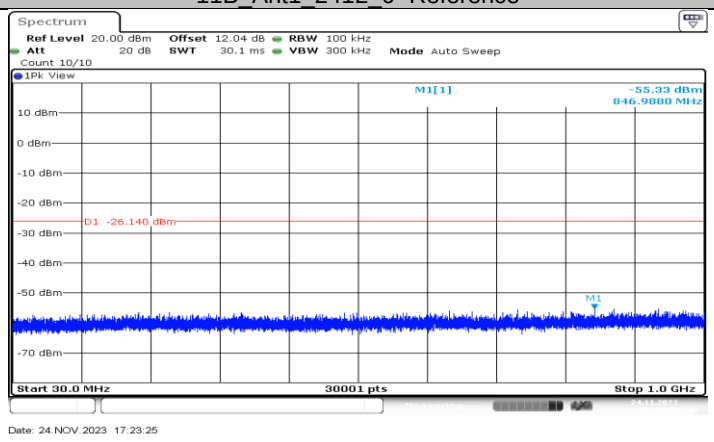
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.86	---	PASS
			30~1000	-55.33	≤-26.14	PASS
			1000~26500	-50.72	≤-26.14	PASS
	Ant2	2412	Reference	4.30	---	PASS
			30~1000	-55.27	≤-25.7	PASS
			1000~26500	-51.35	≤-25.7	PASS
	Ant1	2437	Reference	3.59	---	PASS
			30~1000	-55.47	≤-26.41	PASS
			1000~26500	-51.63	≤-26.41	PASS
	Ant2	2437	Reference	4.42	---	PASS
			30~1000	-54.93	≤-25.58	PASS
			1000~26500	-51.62	≤-25.58	PASS
	Ant1	2462	Reference	3.18	---	PASS
			30~1000	-55.14	≤-26.82	PASS
			1000~26500	-52.59	≤-26.82	PASS
	Ant2	2462	Reference	4.38	---	PASS
			30~1000	-55.48	≤-25.62	PASS
			1000~26500	-52.68	≤-25.62	PASS
11G	Ant1	2412	Reference	1.60	---	PASS
			30~1000	-55.93	≤-28.4	PASS
			1000~26500	-53.47	≤-28.4	PASS
	Ant2	2412	Reference	2.19	---	PASS
			30~1000	-54.74	≤-27.81	PASS
			1000~26500	-52.95	≤-27.81	PASS
	Ant1	2437	Reference	1.41	---	PASS
			30~1000	-55.15	≤-28.59	PASS
			1000~26500	-53.73	≤-28.59	PASS
	Ant2	2437	Reference	2.45	---	PASS
			30~1000	-54.7	≤-27.55	PASS
			1000~26500	-52.87	≤-27.55	PASS
	Ant1	2462	Reference	1.14	---	PASS
			30~1000	-55.15	≤-28.86	PASS
			1000~26500	-53.39	≤-28.86	PASS
	Ant2	2462	Reference	2.34	---	PASS
			30~1000	-54.63	≤-27.66	PASS
			1000~26500	-53.15	≤-27.66	PASS
11N20MIMO	Ant1	2412	Reference	1.05	---	PASS
			30~1000	-55.21	≤-28.95	PASS
			1000~26500	-53.68	≤-28.95	PASS
	Ant2	2412	Reference	1.87	---	PASS
			30~1000	-55.36	≤-28.13	PASS
			1000~26500	-53.81	≤-28.13	PASS
	Ant1	2437	Reference	0.72	---	PASS
			30~1000	-54.84	≤-29.28	PASS
			1000~26500	-53.12	≤-29.28	PASS
	Ant2	2437	Reference	1.52	---	PASS
			30~1000	-55.34	≤-28.48	PASS
			1000~26500	-52.11	≤-28.48	PASS
	Ant1	2462	Reference	-0.36	---	PASS
			30~1000	-55.67	≤-30.36	PASS
			1000~26500	-53.49	≤-30.36	PASS
	Ant2	2462	Reference	1.70	---	PASS
			30~1000	-55.26	≤-28.3	PASS
			1000~26500	-52.88	≤-28.3	PASS
11N40MIMO	Ant1	2422	Reference	-1.26	---	PASS
			30~1000	-55.18	≤-31.26	PASS
			1000~26500	-53.87	≤-31.26	PASS
	Ant2	2422	Reference	-0.45	---	PASS

			30~1000	-55.12	≤-30.45	PASS
			1000~26500	-53.73	≤-30.45	PASS
	Ant1	2437	Reference	-1.60	---	PASS
			30~1000	-55.45	≤-31.6	PASS
			1000~26500	-53.53	≤-31.6	PASS
	Ant2	2437	Reference	-0.13	---	PASS
			30~1000	-55.19	≤-30.13	PASS
			1000~26500	-53.2	≤-30.13	PASS
	Ant1	2452	Reference	-1.40	---	PASS
			30~1000	-55.91	≤-31.4	PASS
			1000~26500	-54.16	≤-31.4	PASS
	Ant2	2452	Reference	-0.22	---	PASS
			30~1000	-55.43	≤-30.22	PASS
			1000~26500	-53.24	≤-30.22	PASS

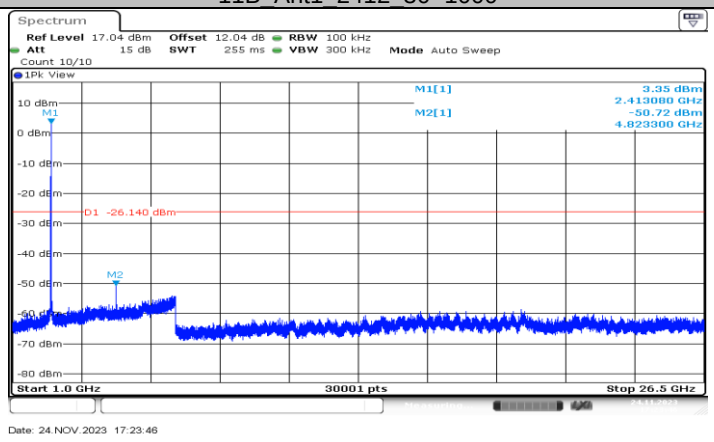
11.6.2. Test Graphs



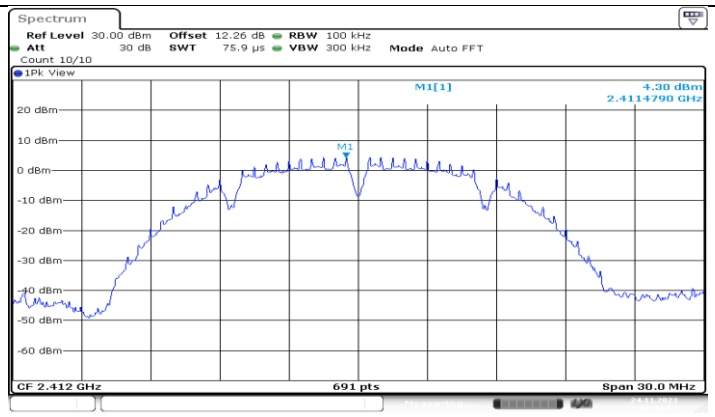
11B_Ant1_2412_0~Reference



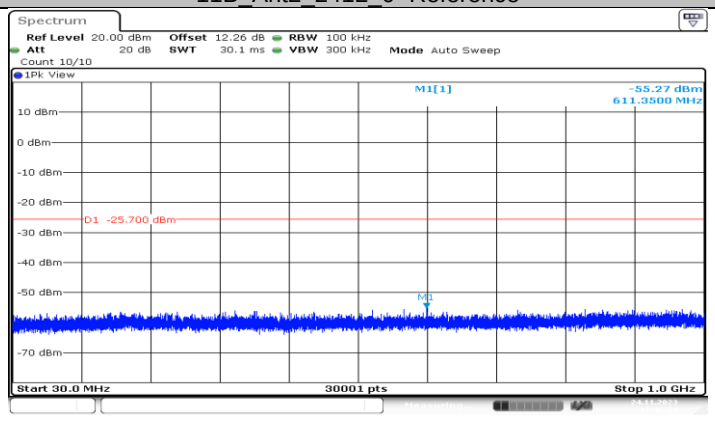
11B_Ant1_2412_30~1000



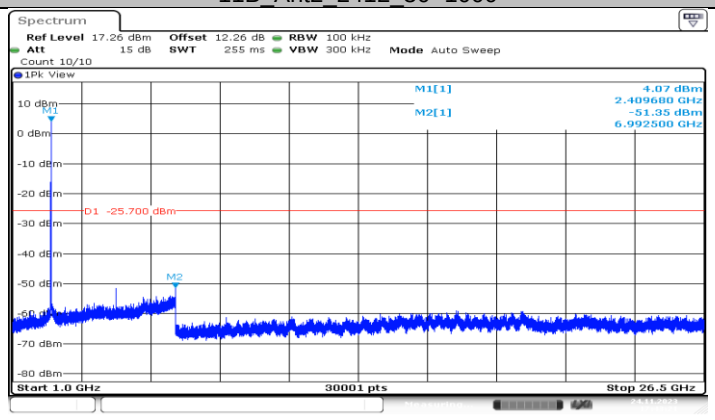
11B_Ant1_2412_1000~26500



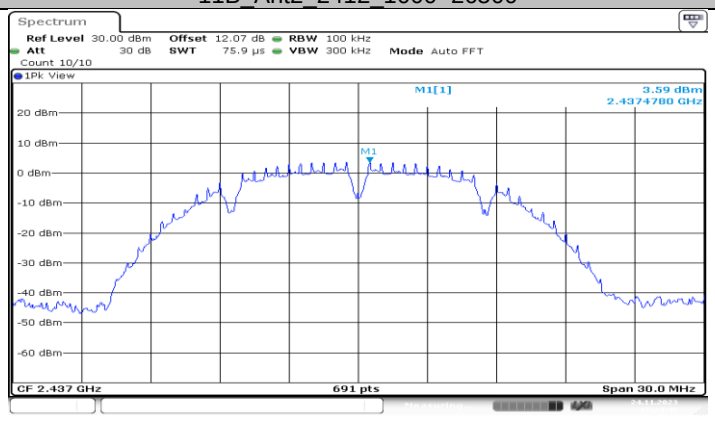
11B_Ant2_2412_0~Reference



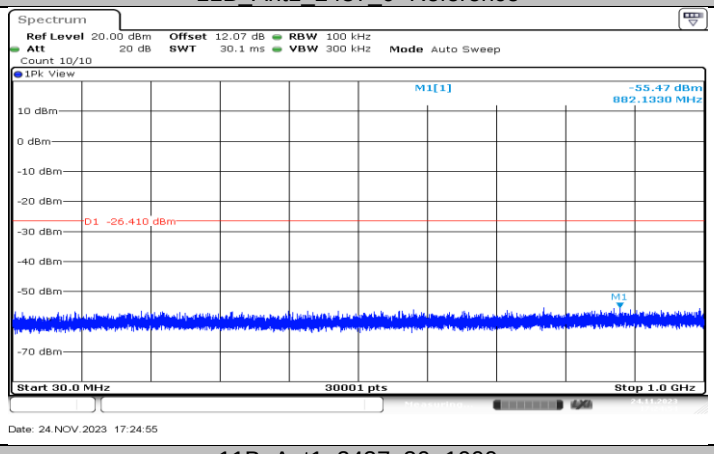
11B_Ant2_2412_30~1000



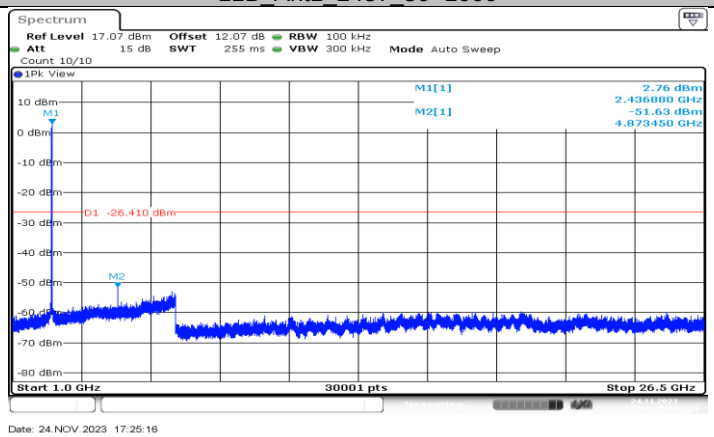
11B_Ant2_2412_1000~26500



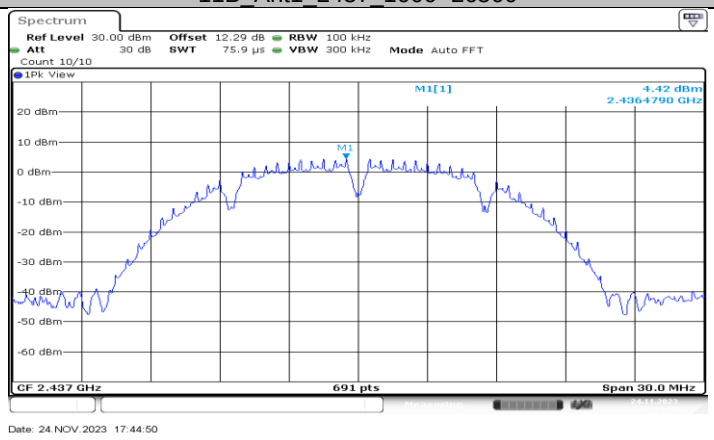
11B_Ant1_2437_0~Reference



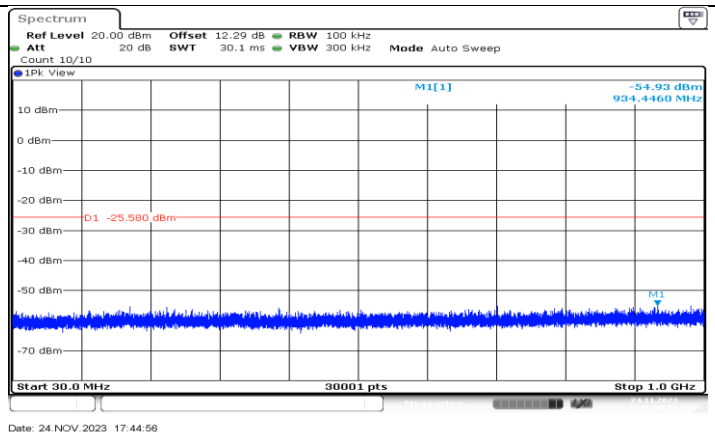
11B_Ant1_2437_30~1000



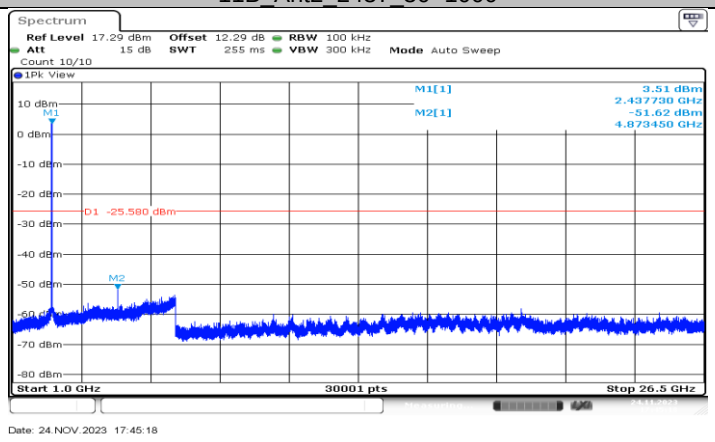
11B_Ant1_2437_1000~26500



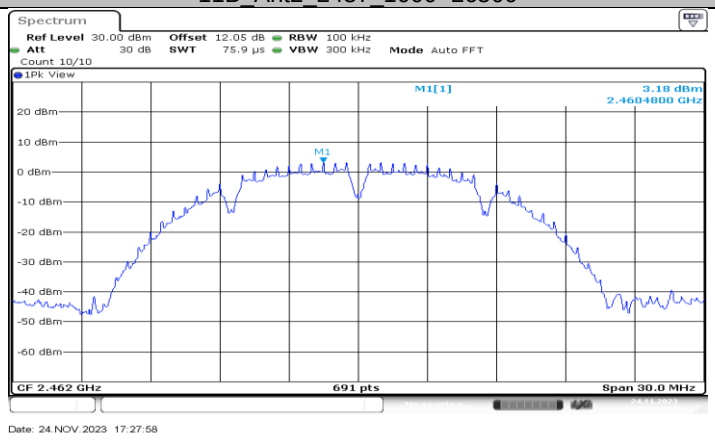
11B_Ant2_2437_0~Reference



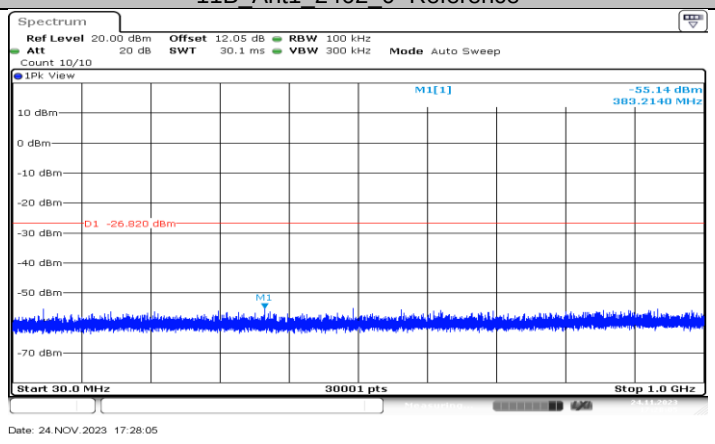
11B_Ant2_2437_30~1000



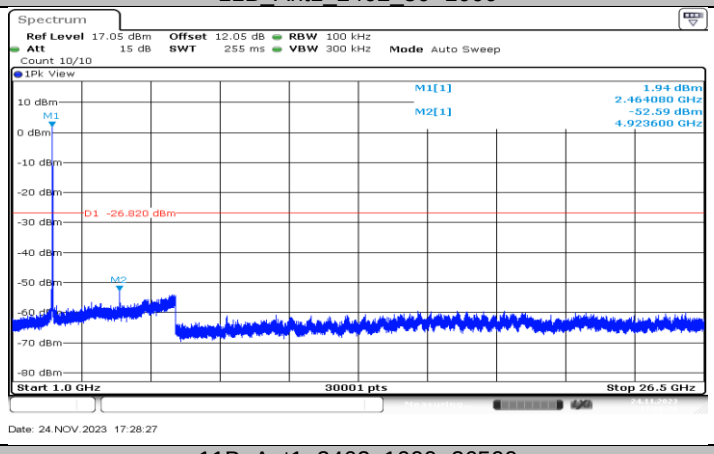
11B_Ant2_2437_1000~26500



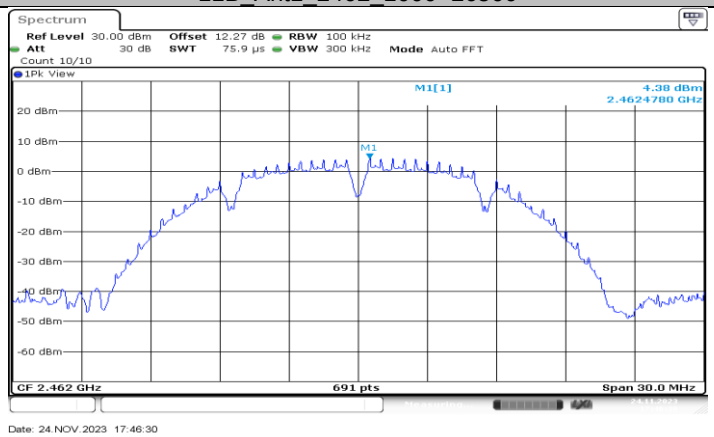
11B_Ant1_2462_0~Reference



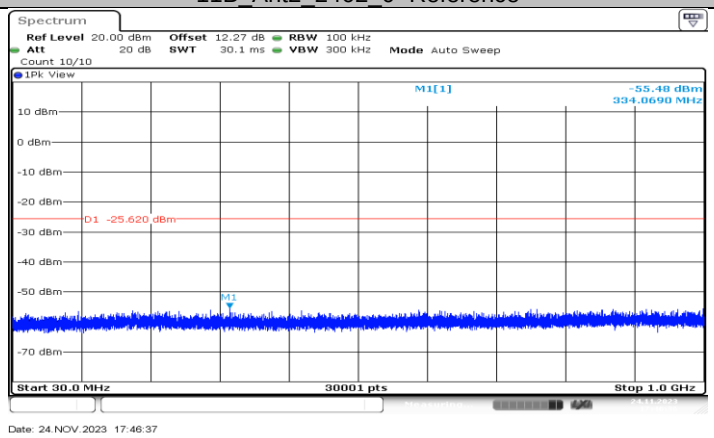
11B_Ant1_2462_30~1000



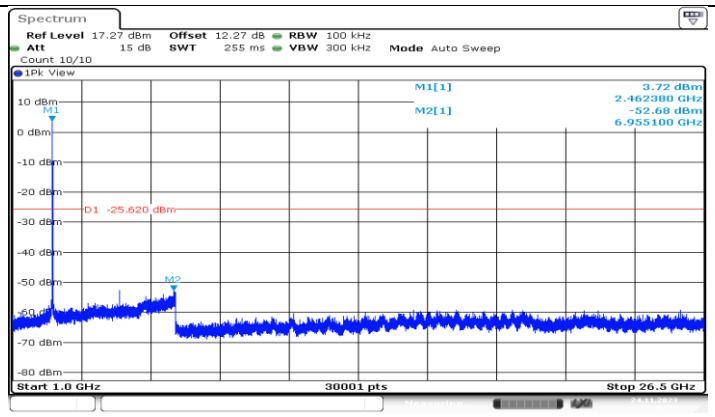
11B_Ant1_2462_1000~26500



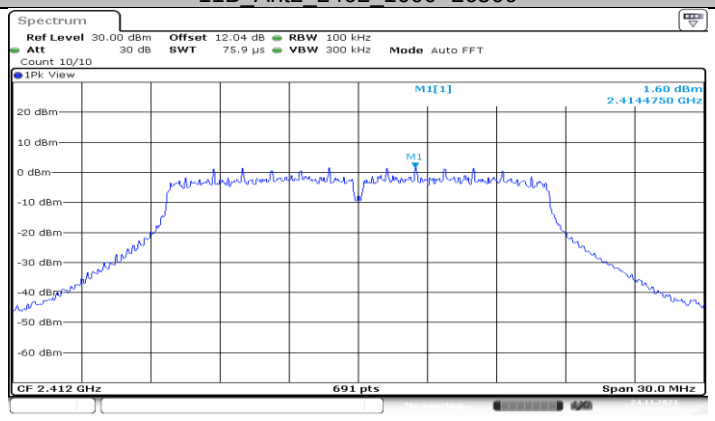
11B_Ant2_2462_0~Reference



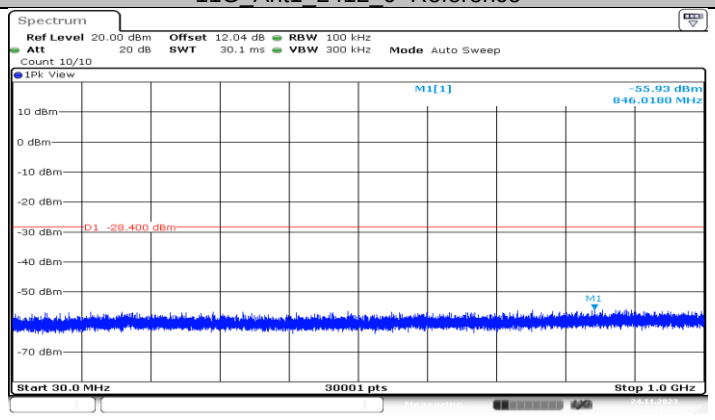
11B_Ant2_2462_30~1000



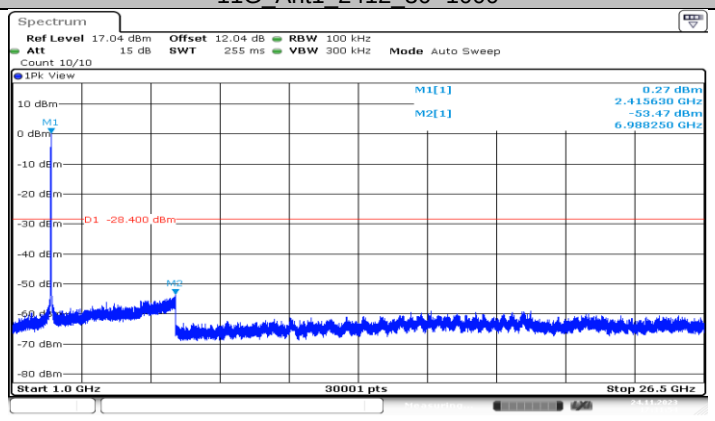
11B_Ant2_2462_1000~26500

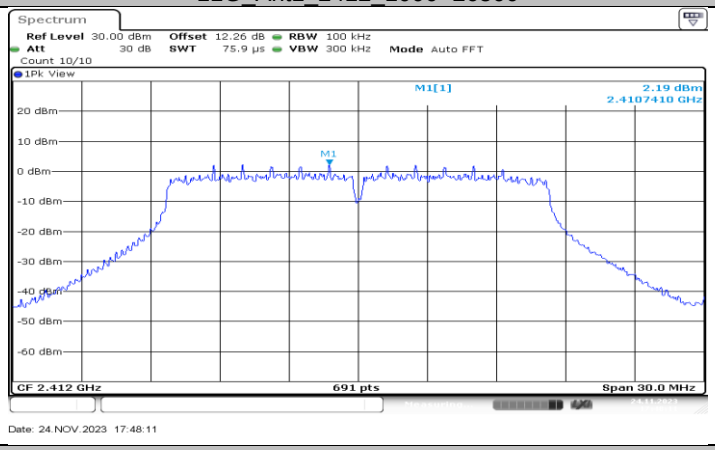
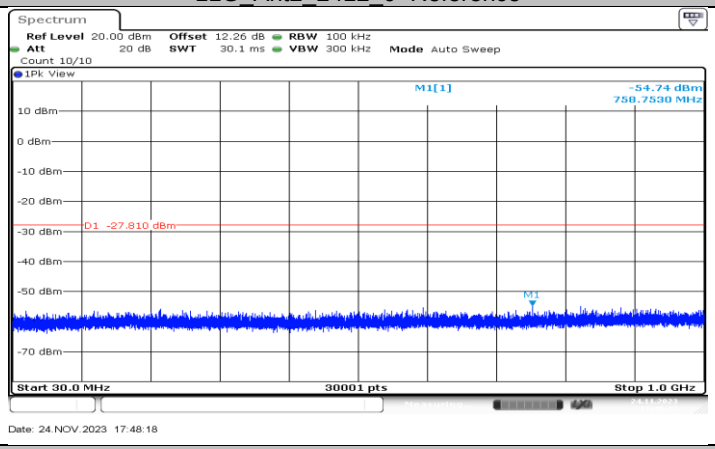
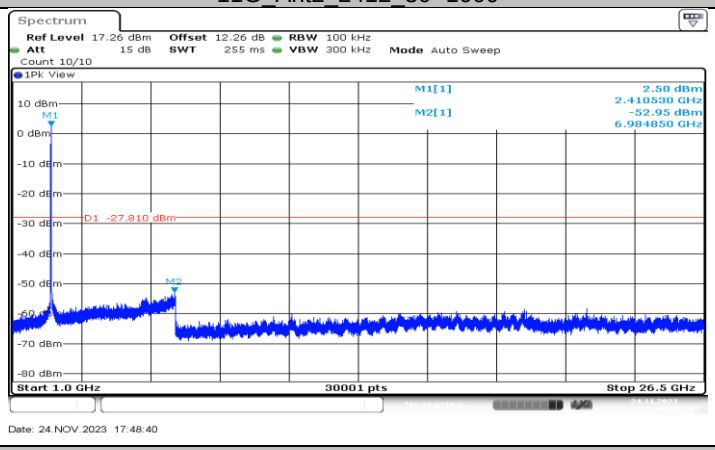


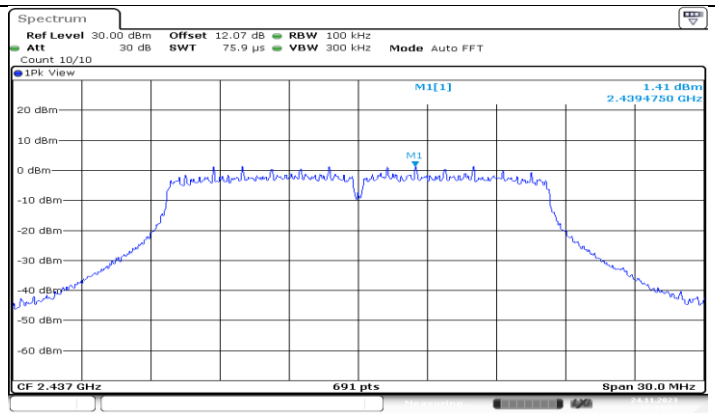
11G_Ant1_2412_0~Reference



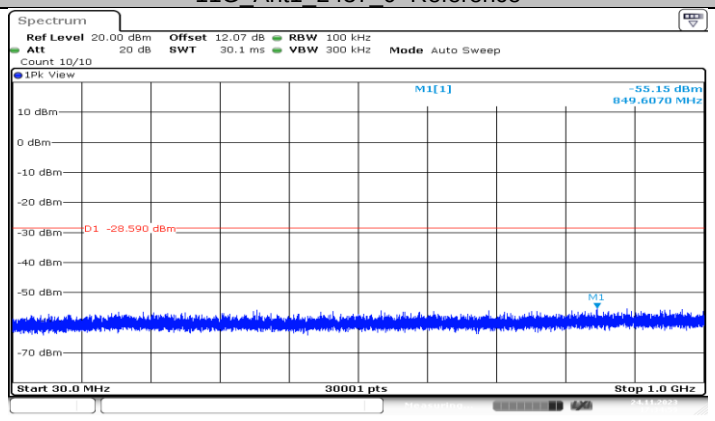
11G_Ant1_2412_30~1000



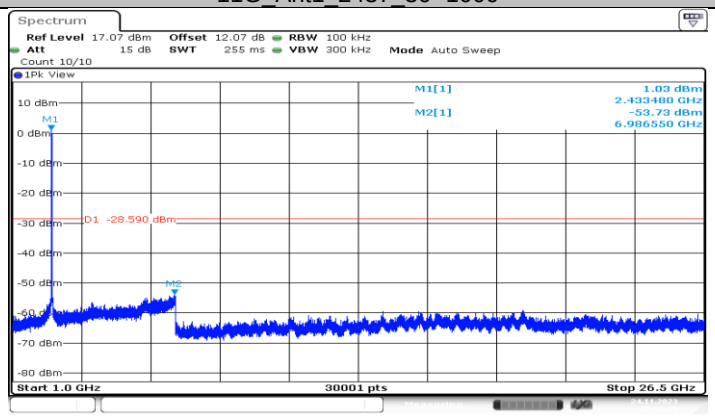
11G_Ant1_2412_1000~26500

11G_Ant2_2412_0~Reference

11G_Ant2_2412_30~1000

11G_Ant2_2412_1000~26500



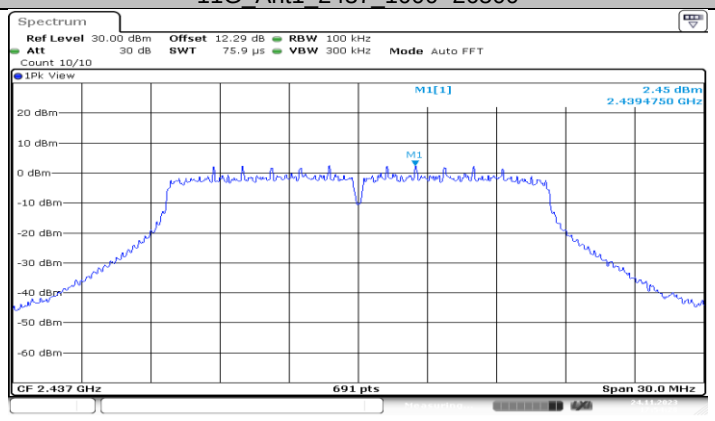
11G_Ant1_2437_0~Reference

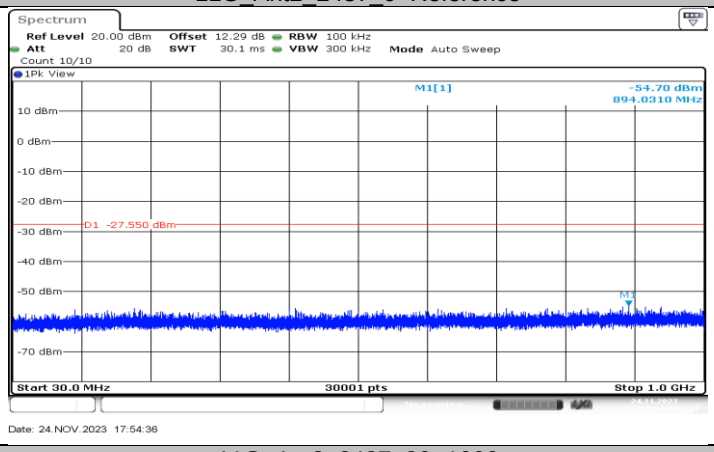


11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant2_2437_0~Reference

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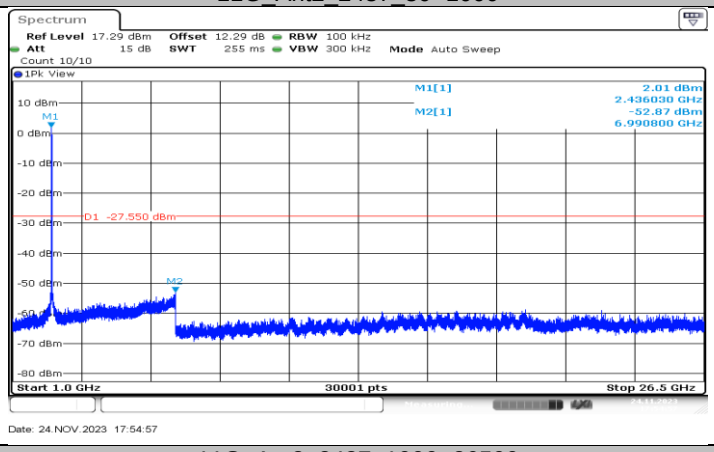
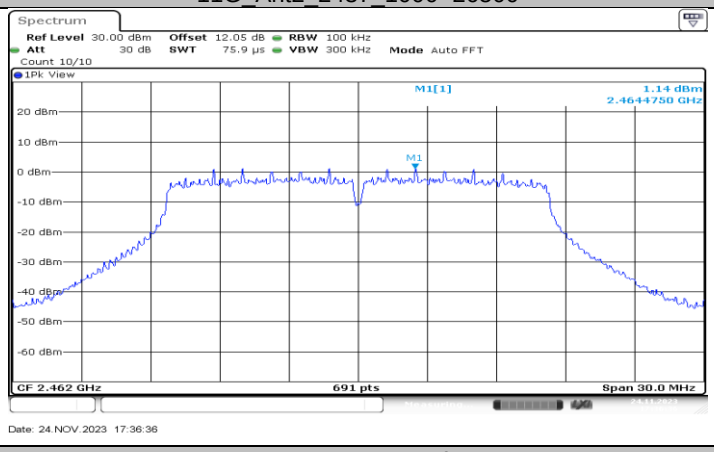
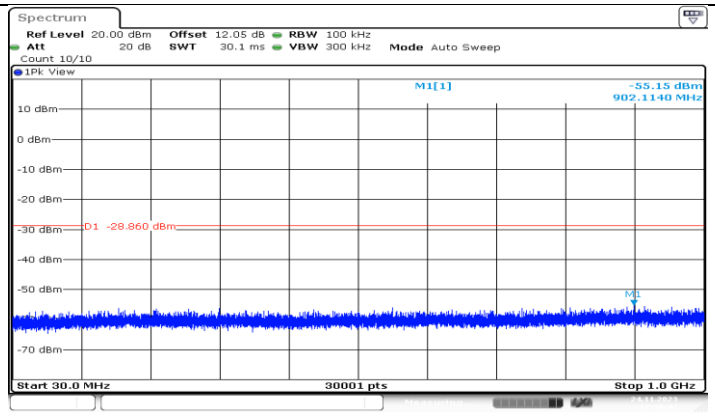
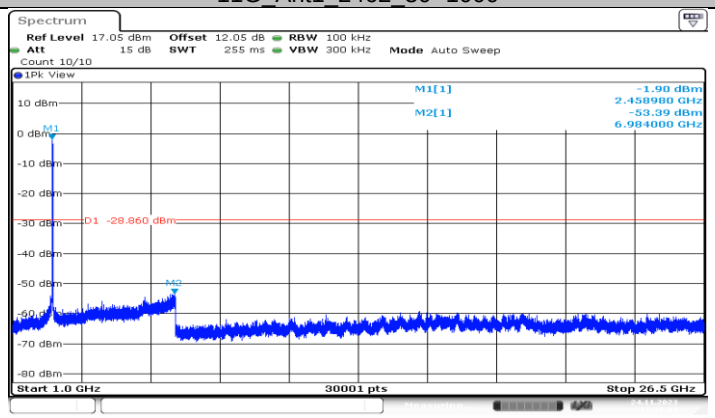
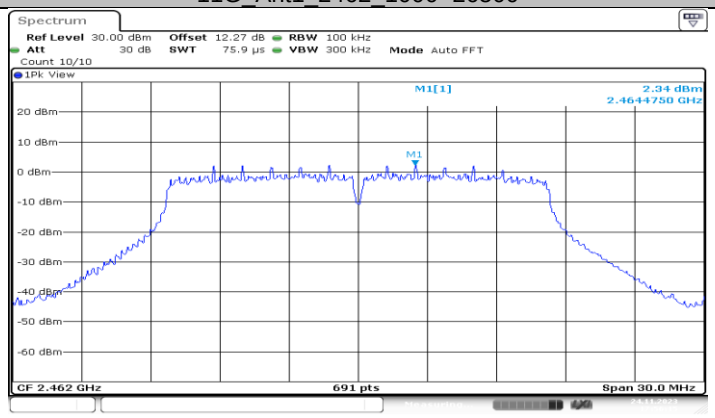

11G_Ant2_2437_1000~26500

11G_Ant1_2462_0~Reference



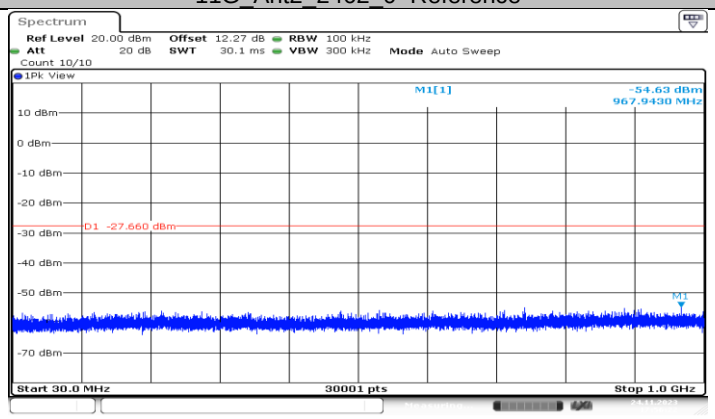
11G_Ant1_2462_30~1000



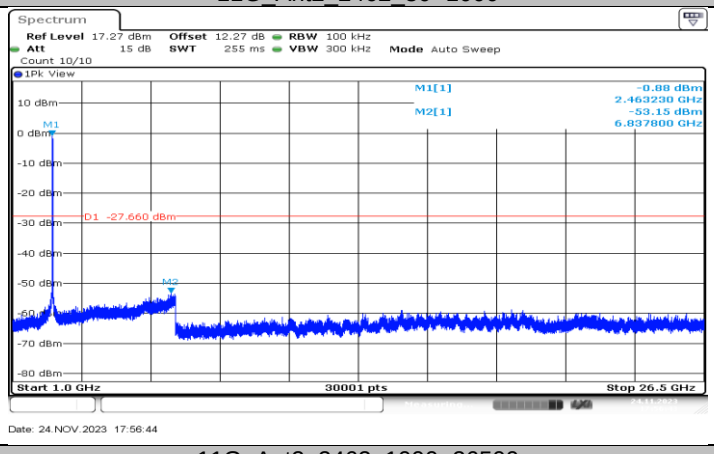
11G_Ant1_2462_1000~26500



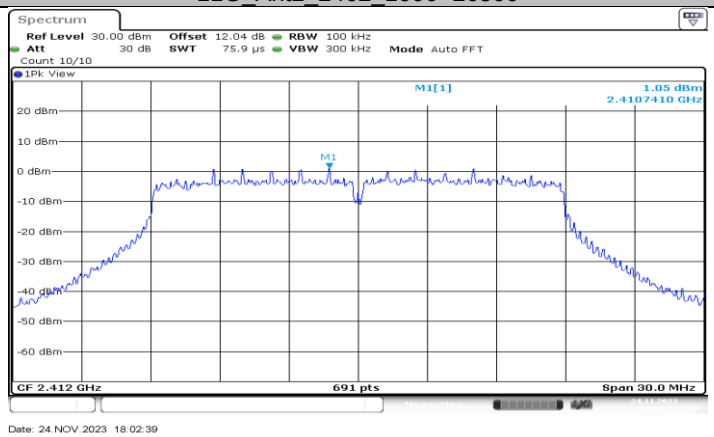
11G_Ant2_2462_0~Reference



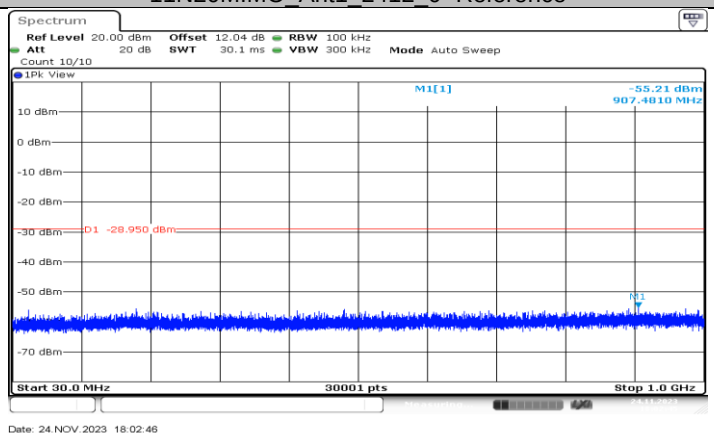
11G_Ant2_2462_30~1000



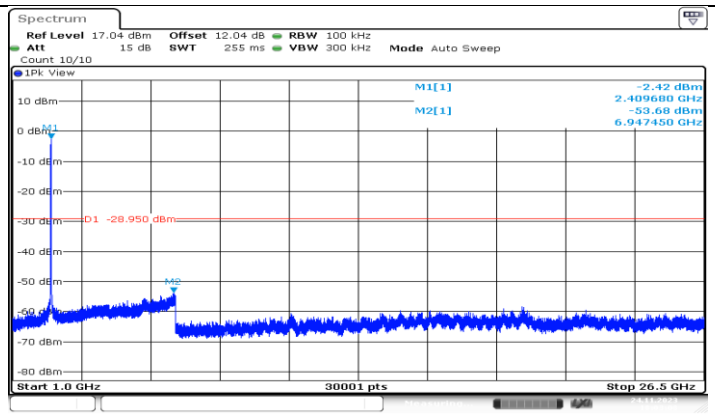
11G_Ant2_2462_1000~26500



11N20MIMO_Ant1_2412_0~Reference



11N20MIMO_Ant1_2412_30~1000



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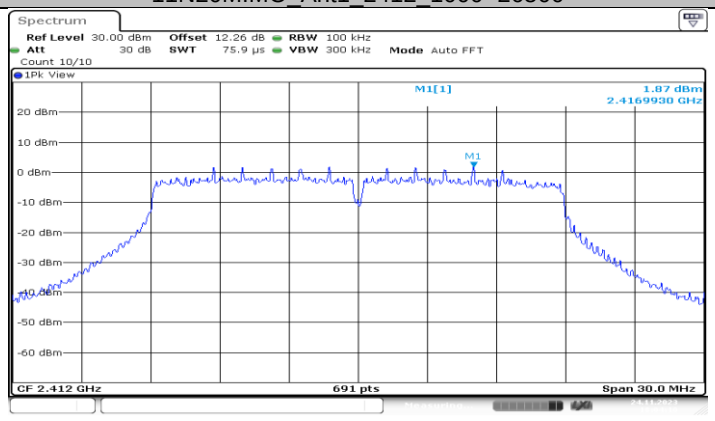
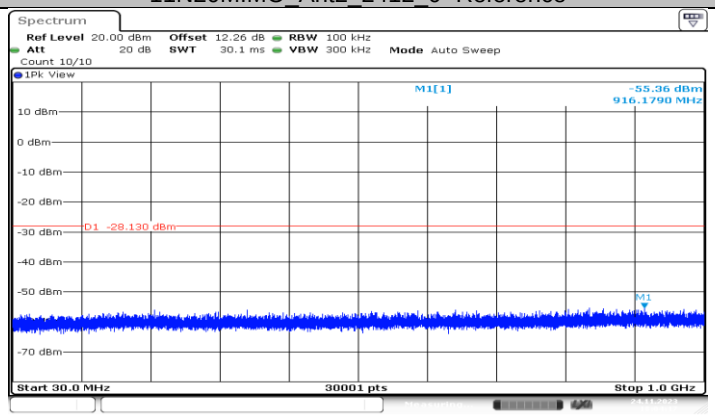


11N20MIMO_Ant2_2412_0~Reference



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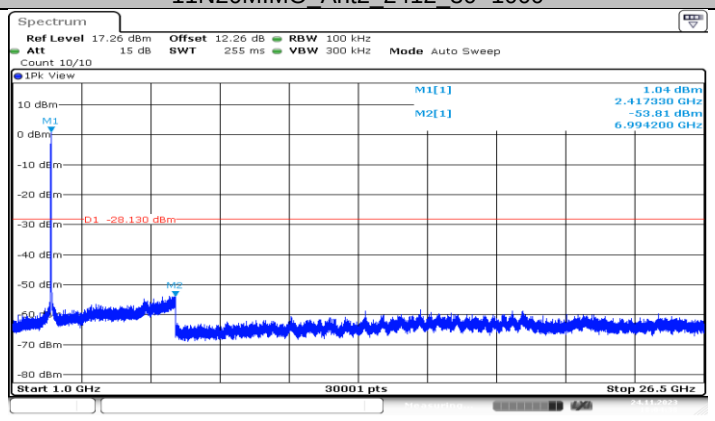
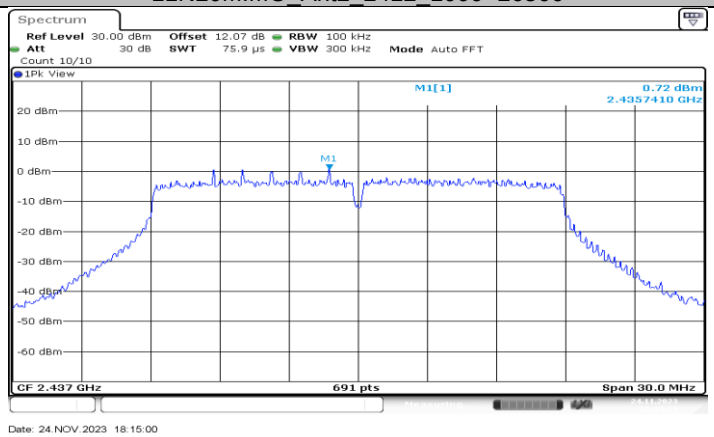


11N20MIMO_Ant2_2412_1000~26500



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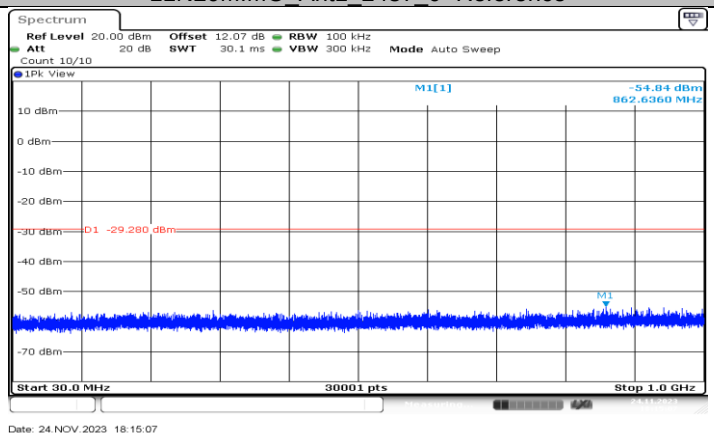

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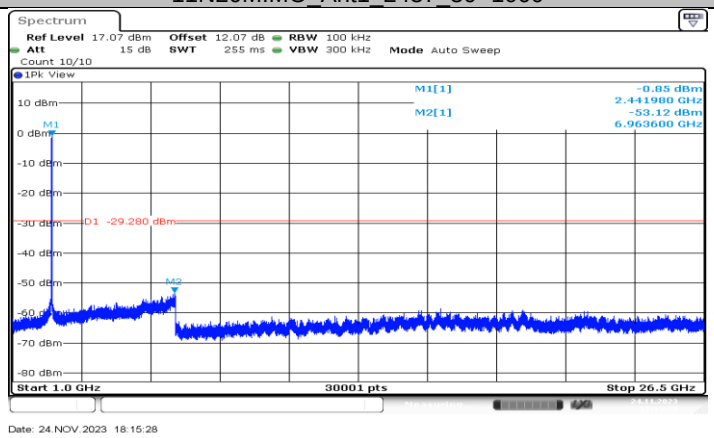

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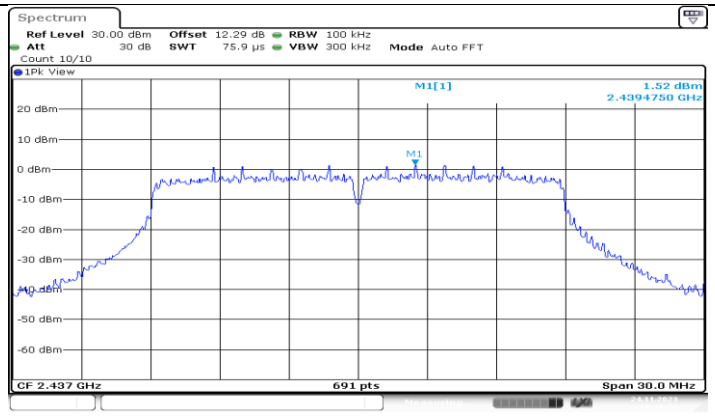

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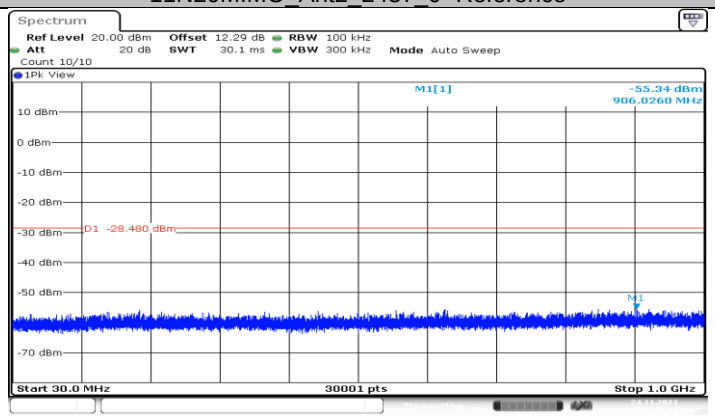

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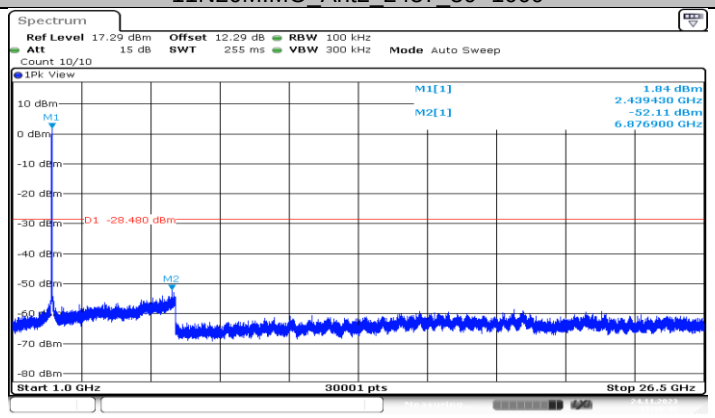

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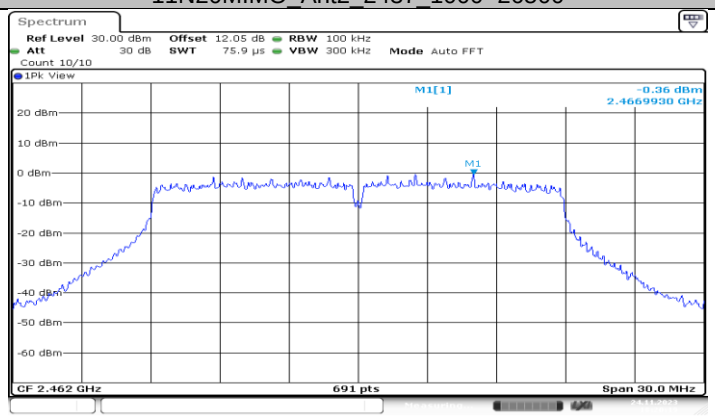
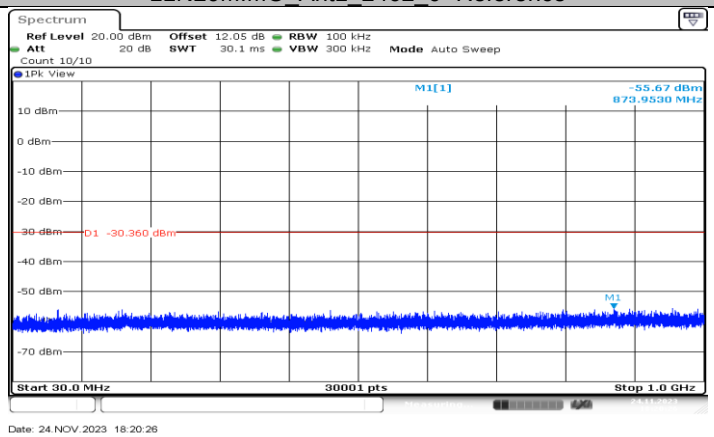
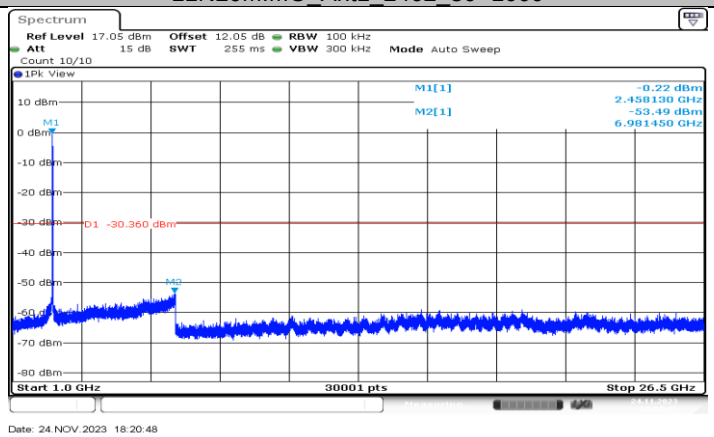


11N20MIMO_Ant1_2462_0~Reference



11N20MIMO_Ant1_2462_30~1000



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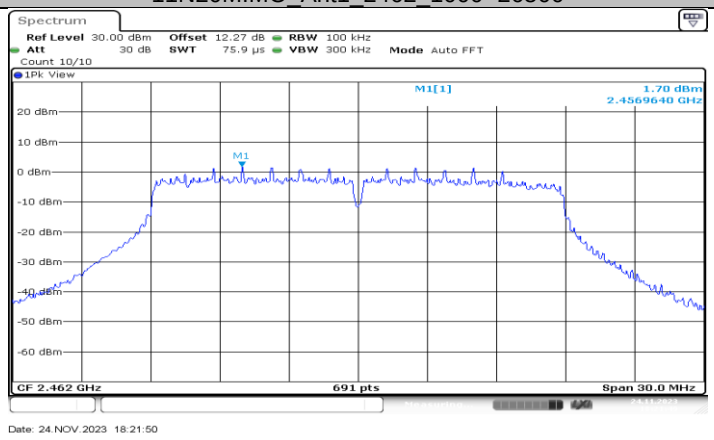
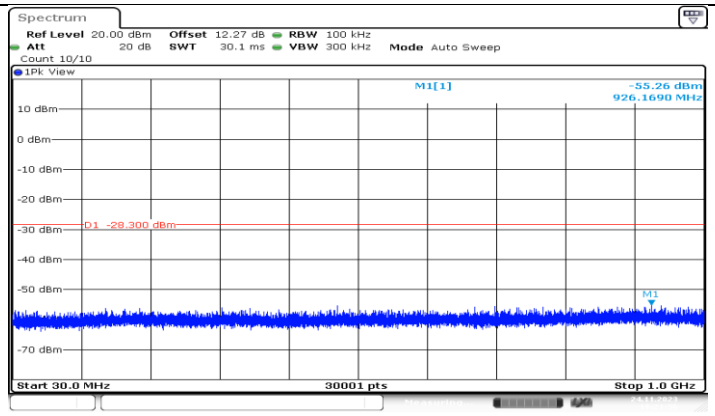
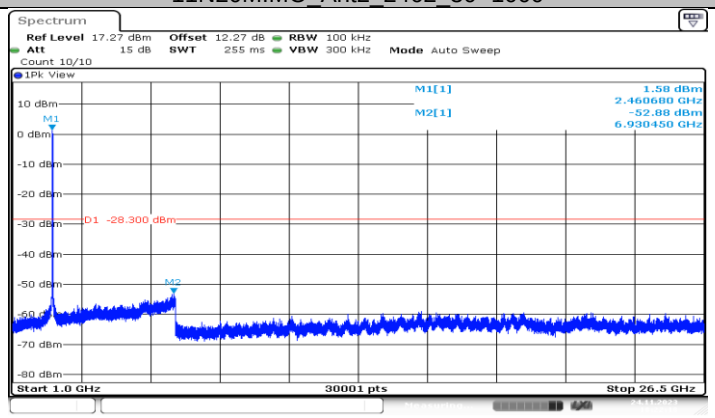


11N20MIMO_Ant2_2462_0~Reference



11N20MIMO_Ant2_2462_30~1000



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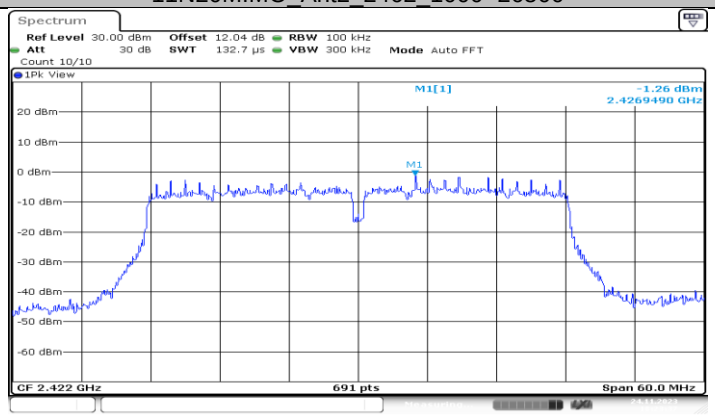

11N40MIMO_Ant1_2422_0~Reference