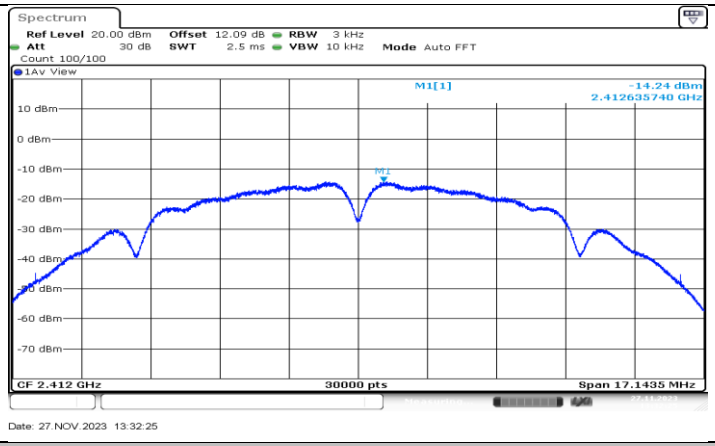
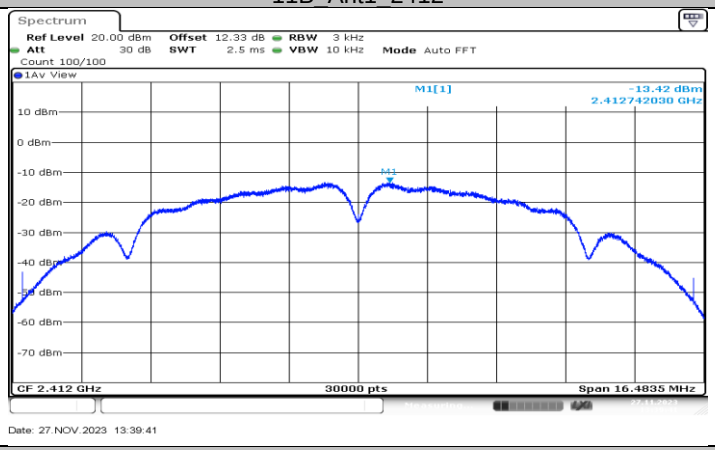
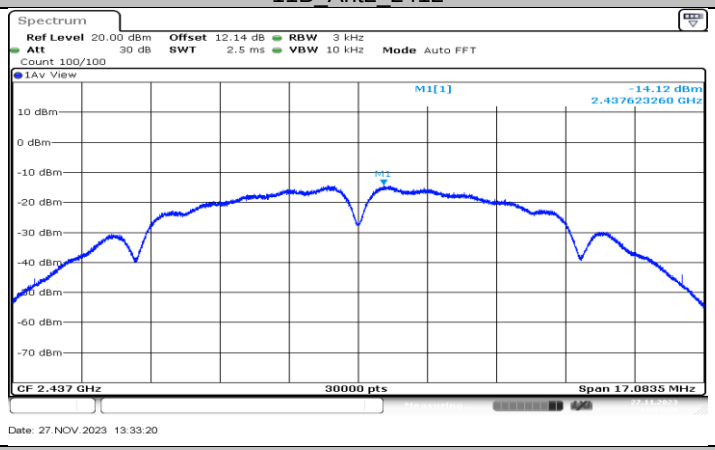
11.4.2. Test Graphs



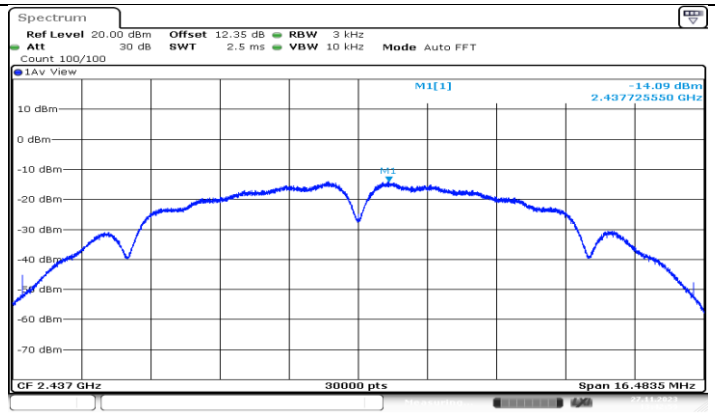
11B_Ant1_2412



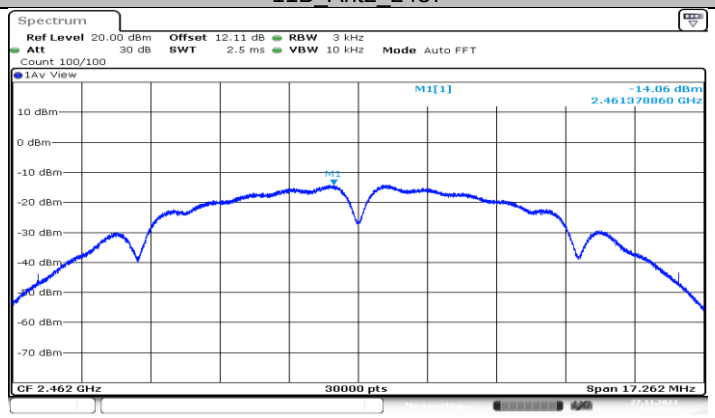
11B_Ant2_2412



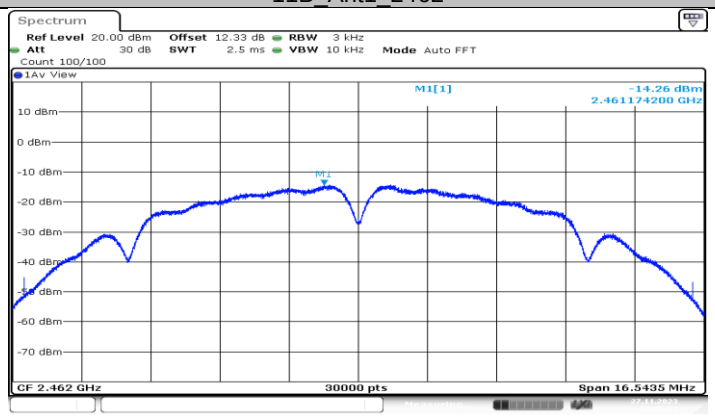
11B_Ant1_2437



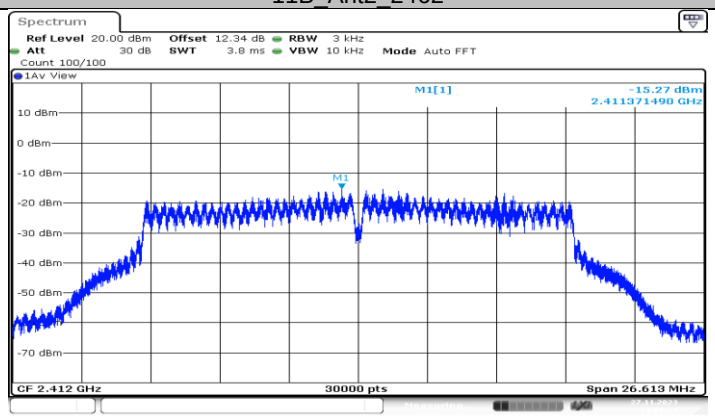
11B_Ant2_2437



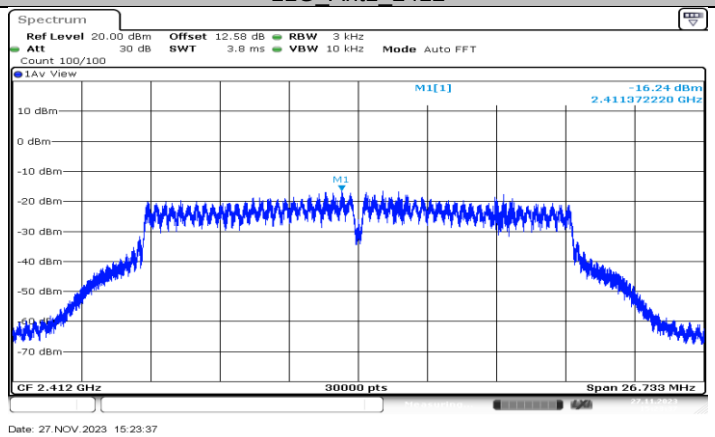
11B_Ant1_2462



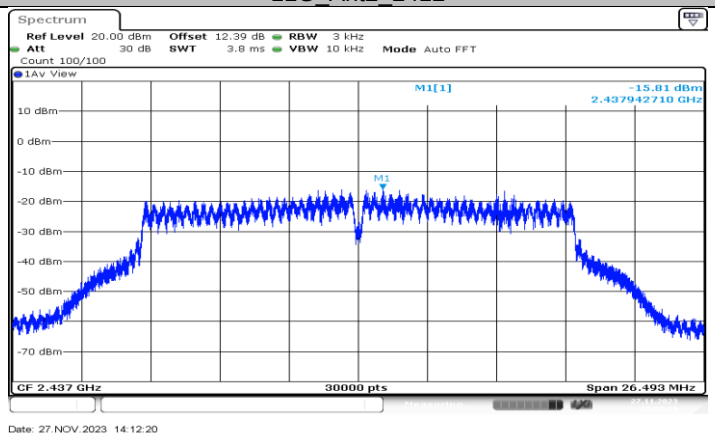
11B_Ant2_2462



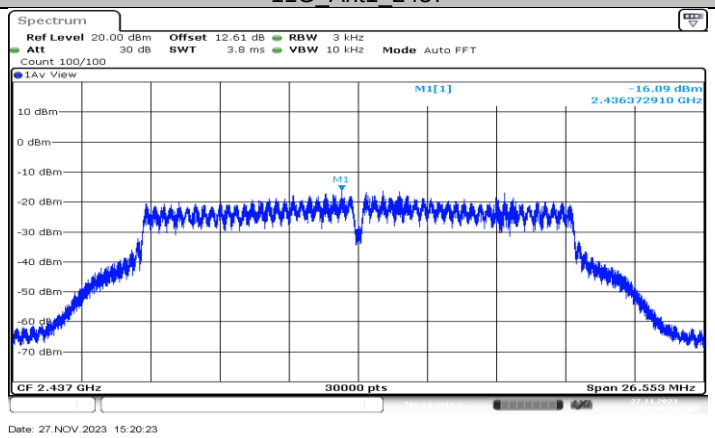
11G_Ant1_2412



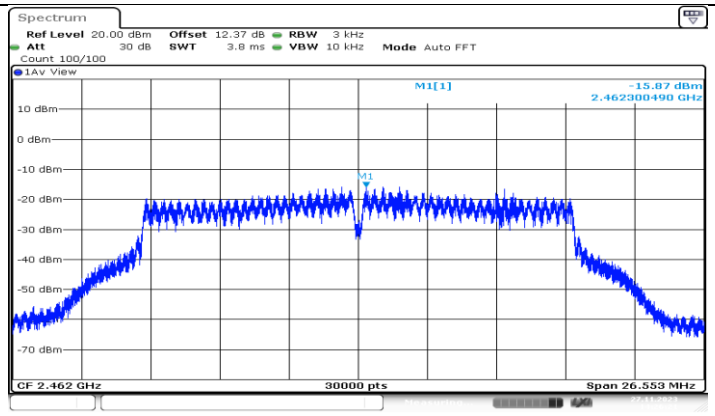
11G_Ant2_2412



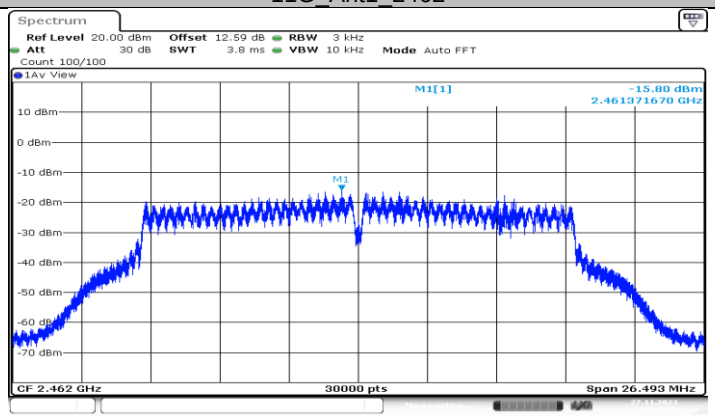
11G_Ant1_2437



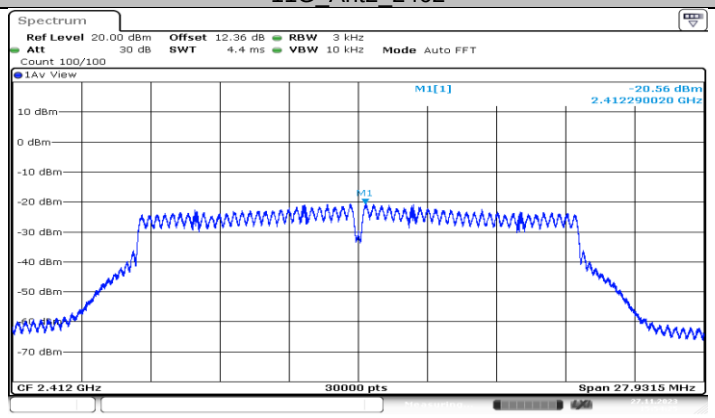
11G_Ant2_2437



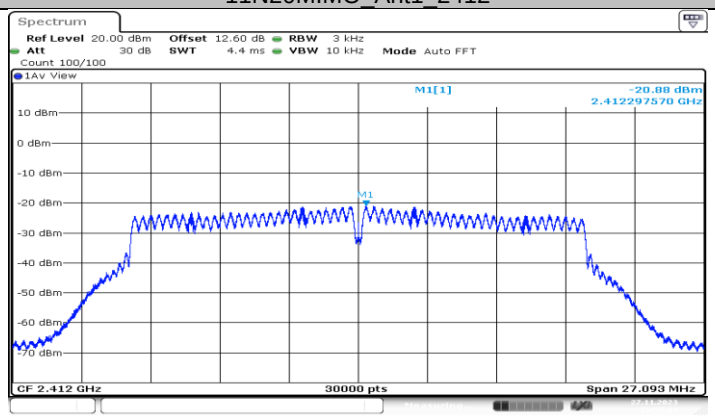
11G_Ant1_2462

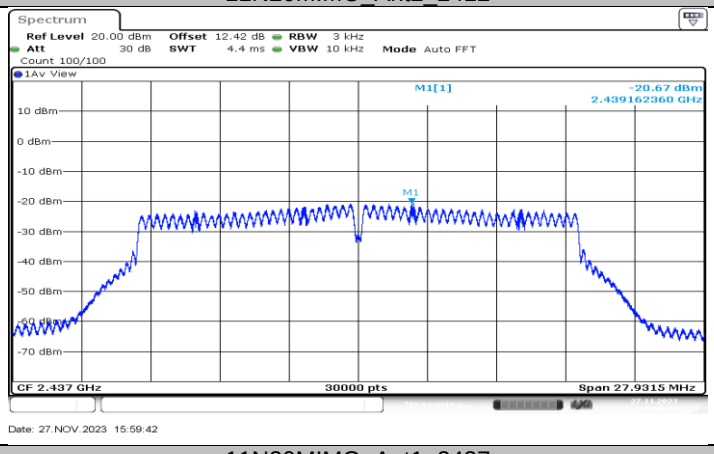
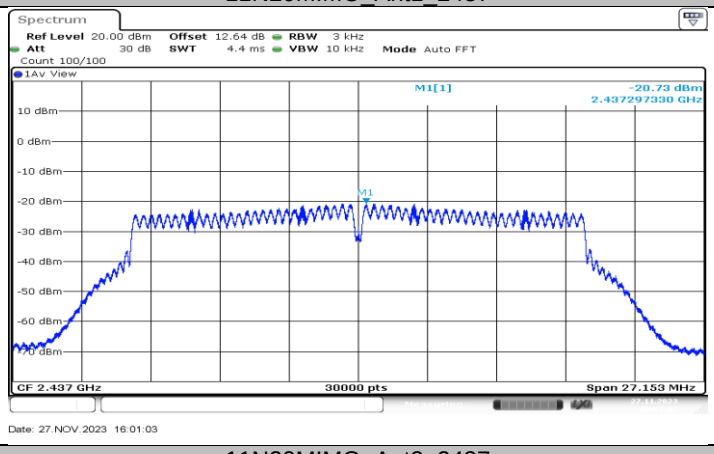
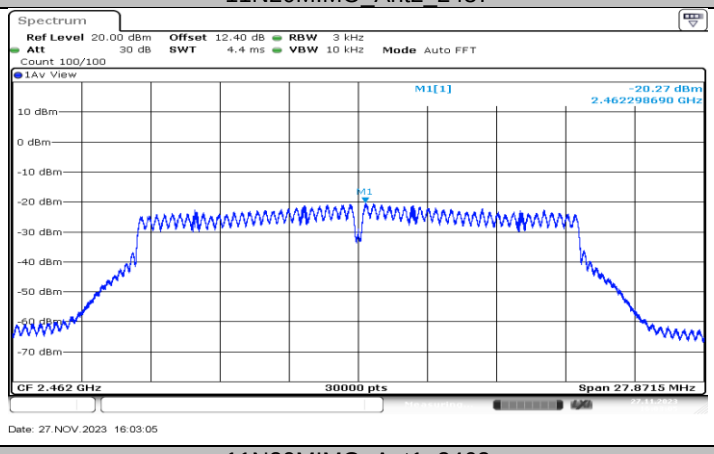


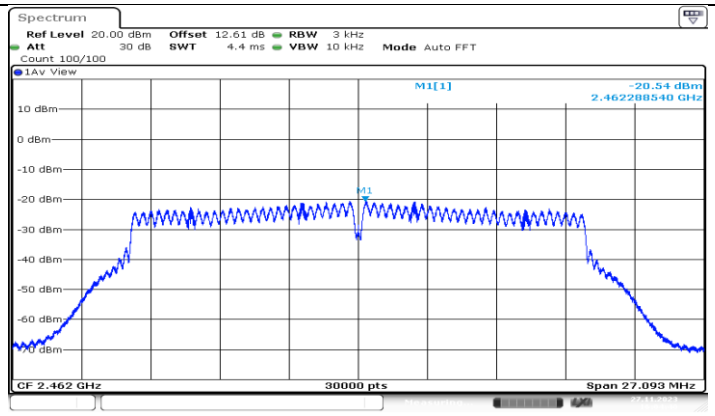
11G_Ant2_2462



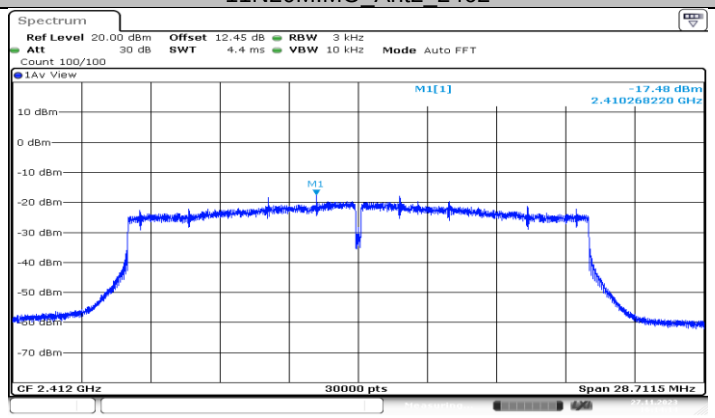
11N20MIMO_Ant1_2412



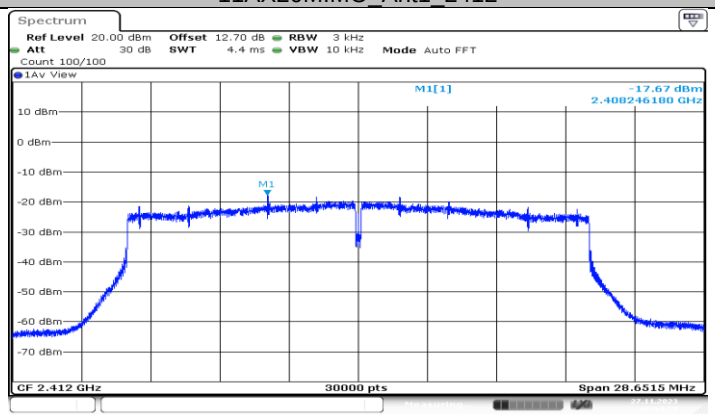
11N20MIMO_Ant2_2412

11N20MIMO_Ant1_2437

11N20MIMO_Ant2_2437

11N20MIMO_Ant1_2462



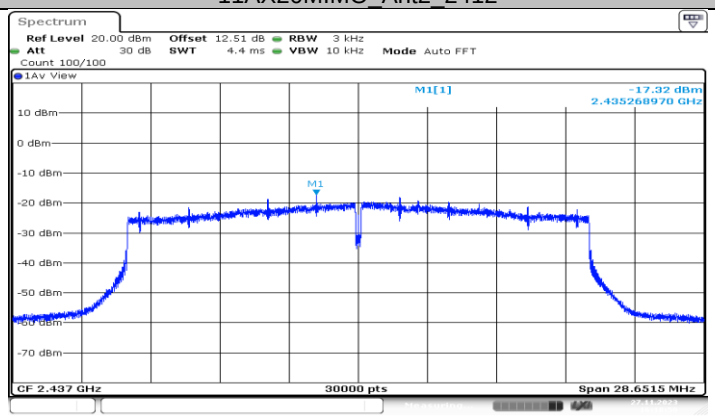
11N20MIMO_Ant2_2462



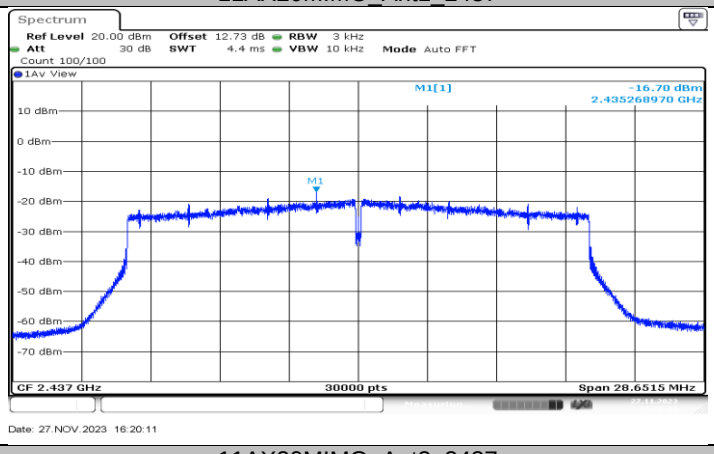
11AX20MIMO_Ant1_2412



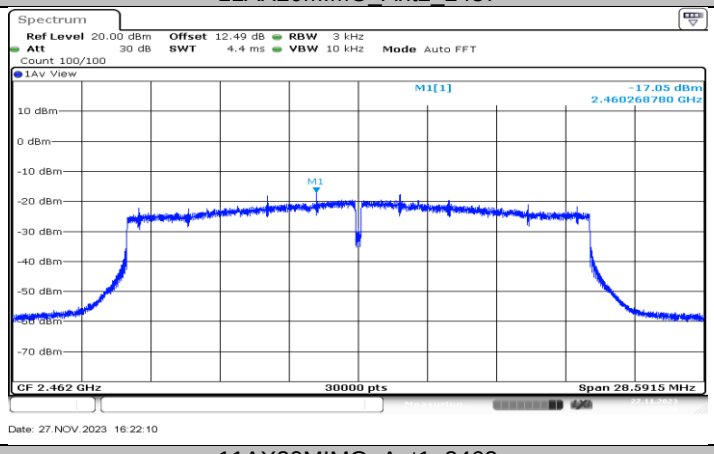
11AX20MIMO_Ant2_2412



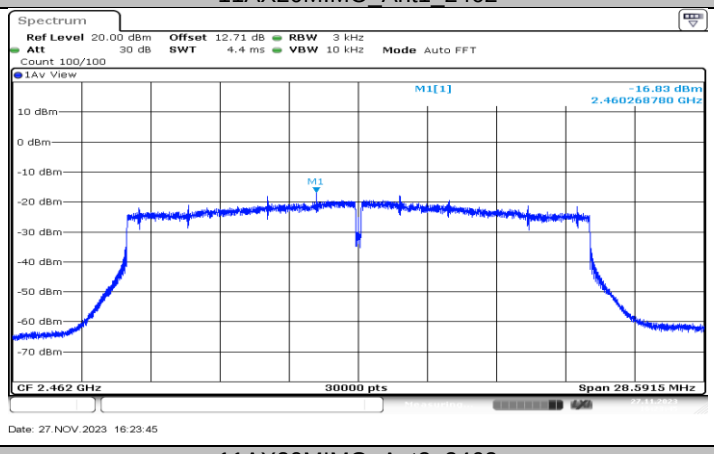
11AX20MIMO_Ant1_2437



11AX20MIMO_Ant2_2437



11AX20MIMO_Ant1_2462



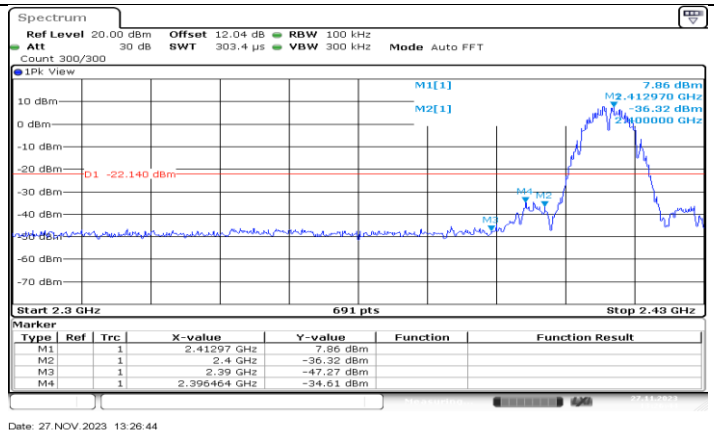
11AX20MIMO_Ant2_2462

11.5. APPENDIX E: BAND EDGE MEASUREMENTS

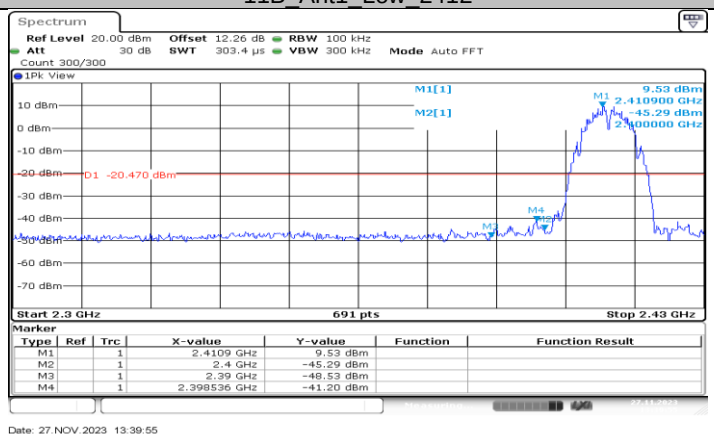
11.5.1. Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.86	-34.61	≤-22.14	PASS
	Ant2	Low	2412	9.53	-41.2	≤-20.47	PASS
	Ant1	High	2462	8.92	-46.14	≤-21.08	PASS
	Ant2	High	2462	8.54	-45.9	≤-21.46	PASS
11G	Ant1	Low	2412	2.09	-33.95	≤-27.91	PASS
	Ant2	Low	2412	2.36	-32.66	≤-27.64	PASS
	Ant1	High	2462	2.53	-44.66	≤-27.47	PASS
	Ant2	High	2462	1.85	-44.15	≤-28.15	PASS
11N20MIMO	Ant1	Low	2412	0.33	-35.04	≤-29.67	PASS
	Ant2	Low	2412	0.08	-40.31	≤-29.92	PASS
	Ant1	High	2462	0.28	-45.23	≤-29.72	PASS
	Ant2	High	2462	-0.07	-45.38	≤-30.07	PASS
11AX20MIMO	Ant1	Low	2412	2.18	-31.54	≤-27.82	PASS
	Ant2	Low	2412	1.80	-36.25	≤-28.2	PASS
	Ant1	High	2462	2.71	-39.24	≤-27.29	PASS
	Ant2	High	2462	2.09	-40.65	≤-27.91	PASS

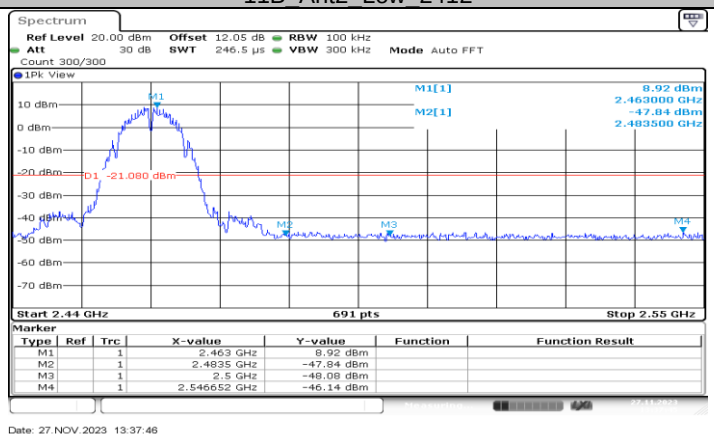
11.5.2. Test Graphs



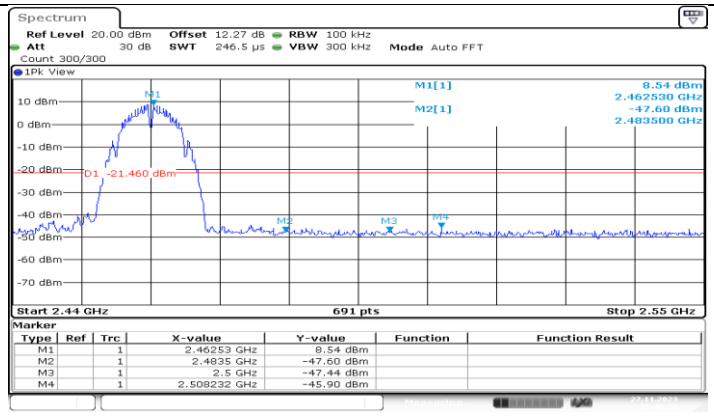
11B_Ant1_Low_2412



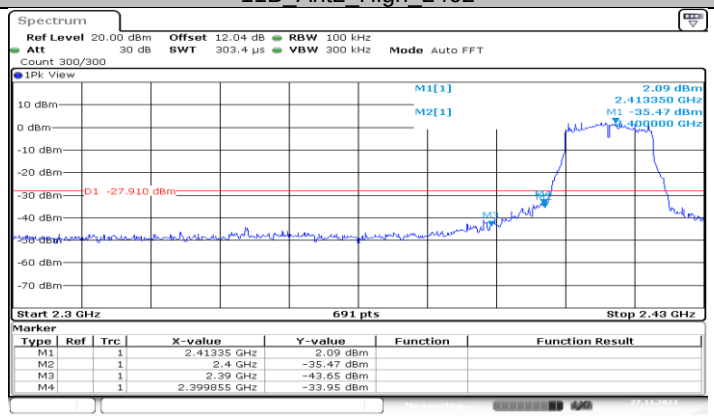
11B_Ant2_Low_2412



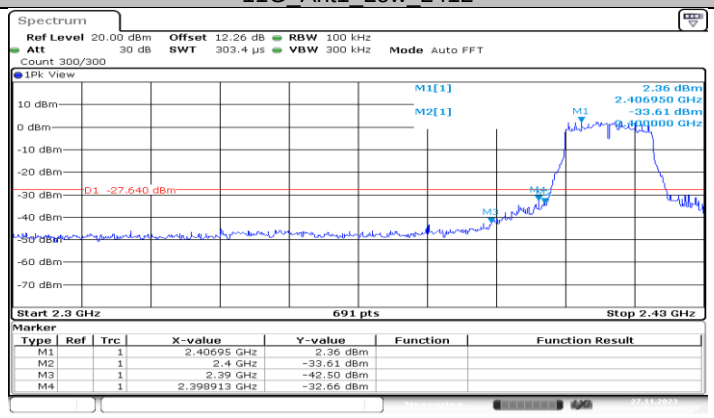
11B_Ant1_High_2462



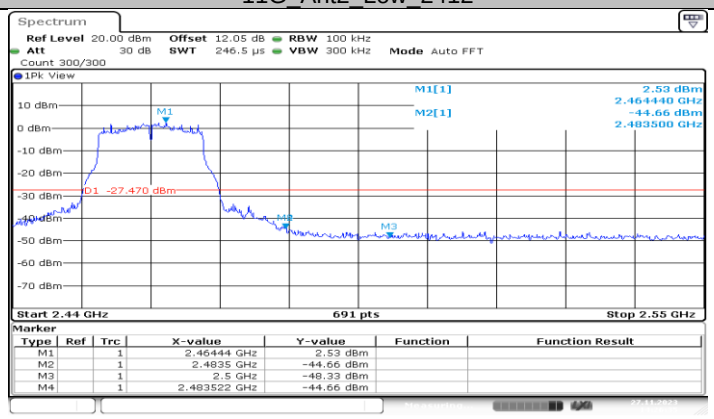
11B_Ant2_High_2462



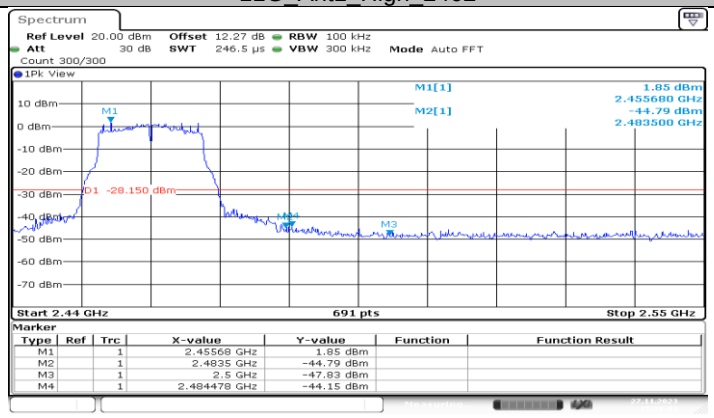
11G_Ant1_Low_2412



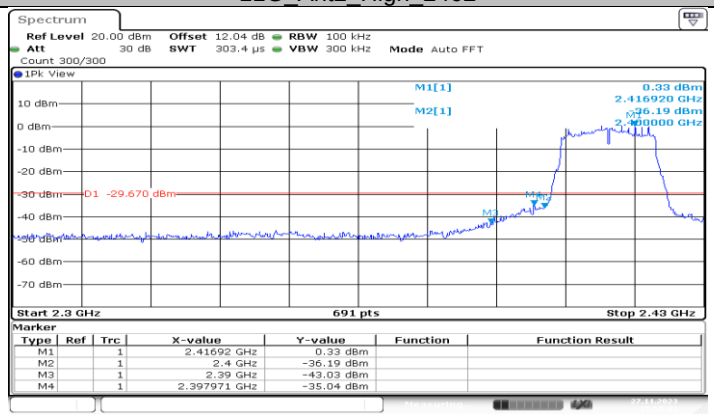
11G_Ant2_Low_2412



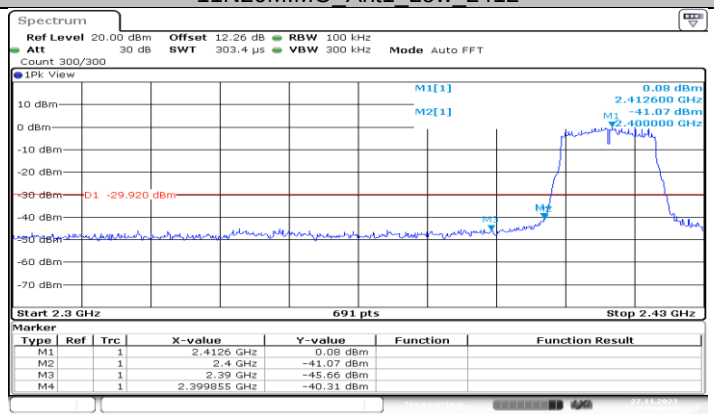
11G_Ant1_High_2462



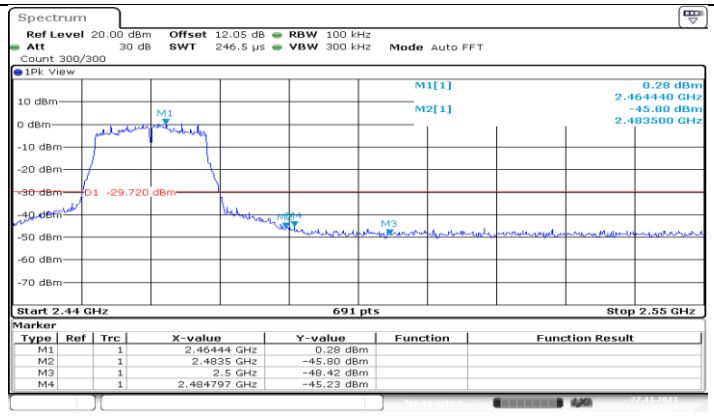
11G_Ant2_High_2462



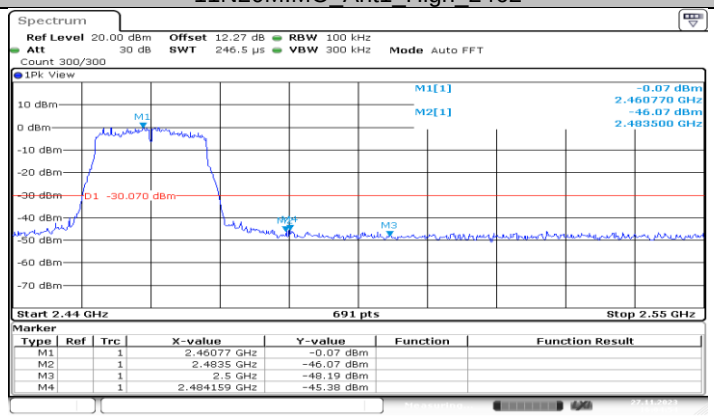
11N20MIMO_Ant1_Low_2412



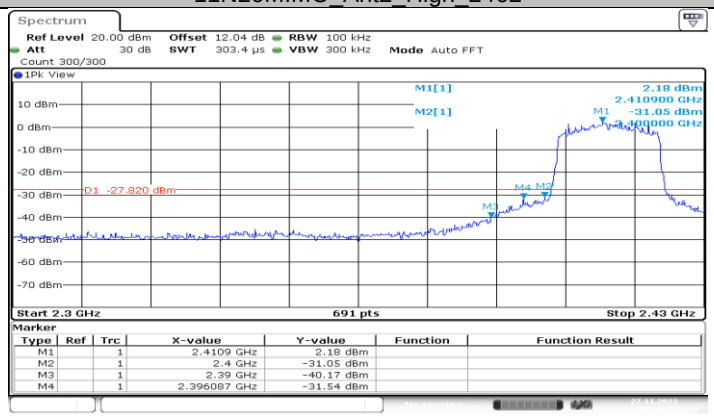
11N20MIMO_Ant2_Low_2412



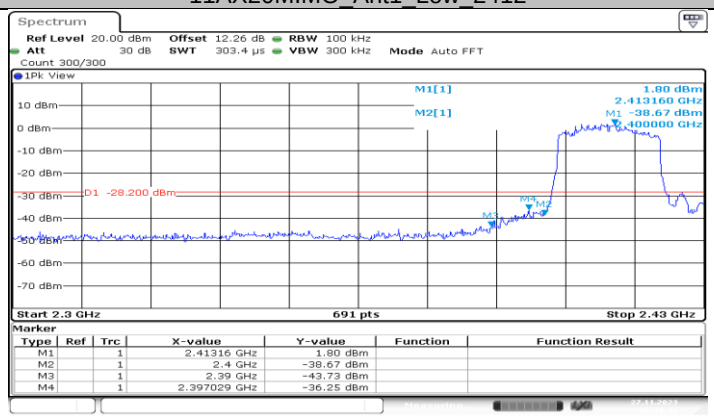
11N20MIMO_Ant1_High_2462

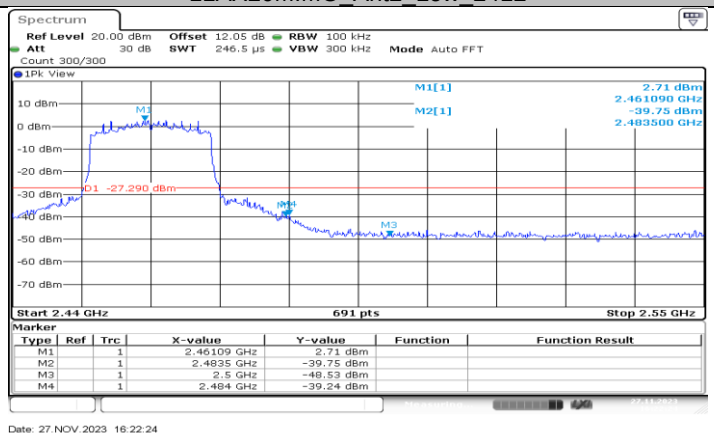
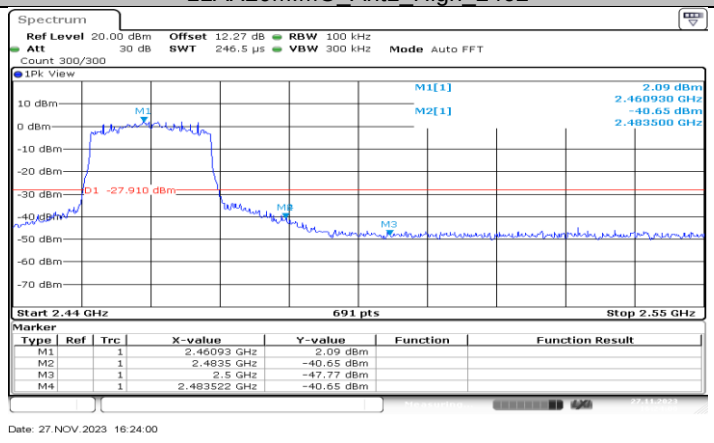


11N20MIMO_Ant2_High_2462



11AX20MIMO_Ant1_Low_2412



11AX20MIMO_Ant2_Low_2412

11AX20MIMO_Ant1_High_2462

11AX20MIMO_Ant2_High_2462

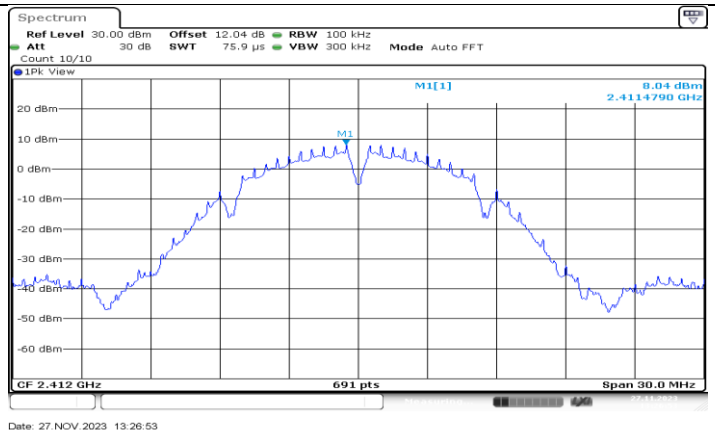
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

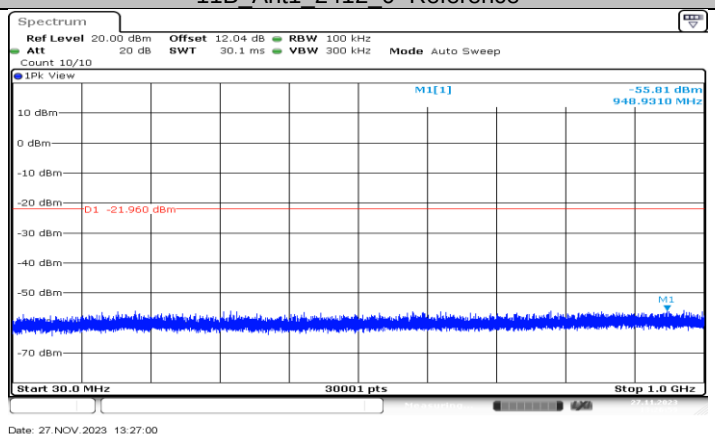
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.04	---	PASS
			30~1000	-55.81	≤-21.96	PASS
			1000~26500	-54.25	≤-21.96	PASS
	Ant2	2412	Reference	10.00	---	PASS
			30~1000	-55.39	≤-20	PASS
			1000~26500	-53.57	≤-20	PASS
	Ant1	2437	Reference	7.96	---	PASS
			30~1000	-55.42	≤-22.04	PASS
			1000~26500	-54.07	≤-22.04	PASS
	Ant2	2437	Reference	8.69	---	PASS
			30~1000	-55.3	≤-21.31	PASS
			1000~26500	-53.85	≤-21.31	PASS
	Ant1	2462	Reference	9.20	---	PASS
			30~1000	-55.26	≤-20.8	PASS
			1000~26500	-53.91	≤-20.8	PASS
	Ant2	2462	Reference	9.23	---	PASS
			30~1000	-54.82	≤-20.77	PASS
			1000~26500	-53.4	≤-20.77	PASS
11G	Ant1	2412	Reference	2.18	---	PASS
			30~1000	-54.97	≤-27.82	PASS
			1000~26500	-53.9	≤-27.82	PASS
	Ant2	2412	Reference	1.88	---	PASS
			30~1000	-55.49	≤-28.12	PASS
			1000~26500	-53.65	≤-28.12	PASS
	Ant1	2437	Reference	2.15	---	PASS
			30~1000	-54.41	≤-27.85	PASS
			1000~26500	-53.4	≤-27.85	PASS
	Ant2	2437	Reference	1.44	---	PASS
			30~1000	-55.31	≤-28.56	PASS
			1000~26500	-54.06	≤-28.56	PASS
	Ant1	2462	Reference	2.65	---	PASS
			30~1000	-55.91	≤-27.35	PASS
			1000~26500	-54.47	≤-27.35	PASS
	Ant2	2462	Reference	1.61	---	PASS
			30~1000	-54.95	≤-28.39	PASS
			1000~26500	-52.71	≤-28.39	PASS
11N20MIMO	Ant1	2412	Reference	0.32	---	PASS
			30~1000	-55.05	≤-29.68	PASS
			1000~26500	-53.75	≤-29.68	PASS
	Ant2	2412	Reference	0.54	---	PASS
			30~1000	-54.99	≤-29.46	PASS
			1000~26500	-53.58	≤-29.46	PASS
	Ant1	2437	Reference	0.35	---	PASS
			30~1000	-54.82	≤-29.65	PASS
			1000~26500	-53.26	≤-29.65	PASS
	Ant2	2437	Reference	0.56	---	PASS
			30~1000	-55.21	≤-29.44	PASS
			1000~26500	-53.26	≤-29.44	PASS
	Ant1	2462	Reference	0.48	---	PASS
			30~1000	-55.34	≤-29.52	PASS
			1000~26500	-53.95	≤-29.52	PASS
	Ant2	2462	Reference	0.64	---	PASS
			30~1000	-54.48	≤-29.36	PASS
			1000~26500	-52.94	≤-29.36	PASS
11AX20MIMO	Ant1	2412	Reference	2.59	---	PASS
			30~1000	-55.27	≤-27.41	PASS
			1000~26500	-53.52	≤-27.41	PASS
	Ant2	2412	Reference	2.26	---	PASS

			30~1000	-55.35	≤-27.74	PASS
			1000~26500	-53.85	≤-27.74	PASS
	Ant1	2437	Reference	2.37	---	PASS
			30~1000	-55.2	≤-27.63	PASS
			1000~26500	-53.19	≤-27.63	PASS
	Ant2	2437	Reference	3.05	---	PASS
			30~1000	-53.89	≤-26.95	PASS
			1000~26500	-52.49	≤-26.95	PASS
	Ant1	2462	Reference	2.47	---	PASS
			30~1000	-54.84	≤-27.53	PASS
			1000~26500	-53.95	≤-27.53	PASS
	Ant2	2462	Reference	2.75	---	PASS
			30~1000	-54.42	≤-27.25	PASS
			1000~26500	-52.97	≤-27.25	PASS

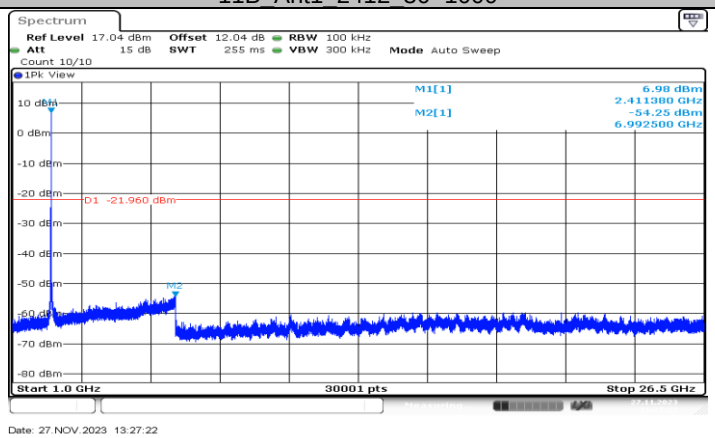
11.6.2. Test Graphs



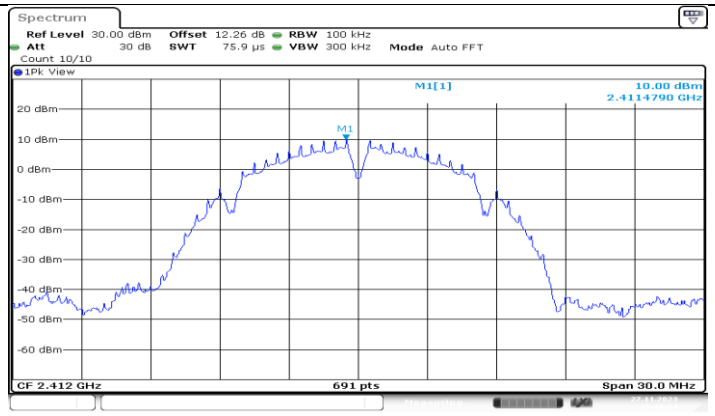
11B_Ant1_2412_0~Reference



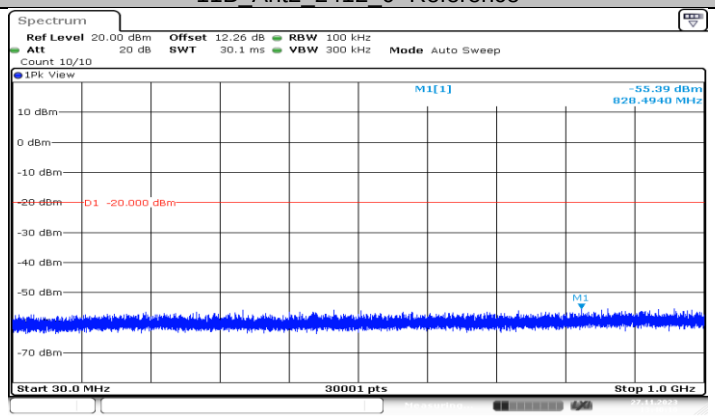
11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant2_2412_0~Reference



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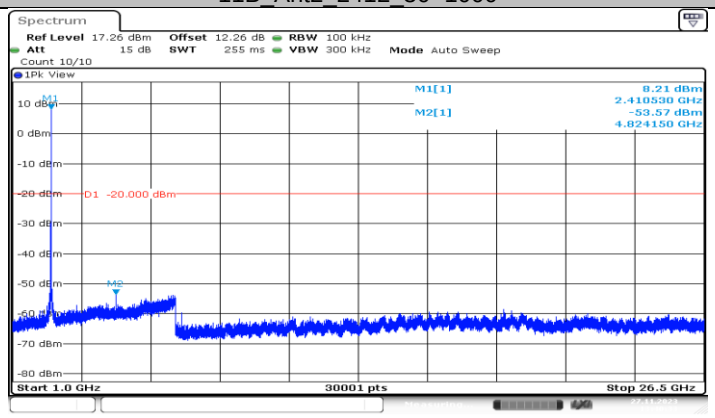

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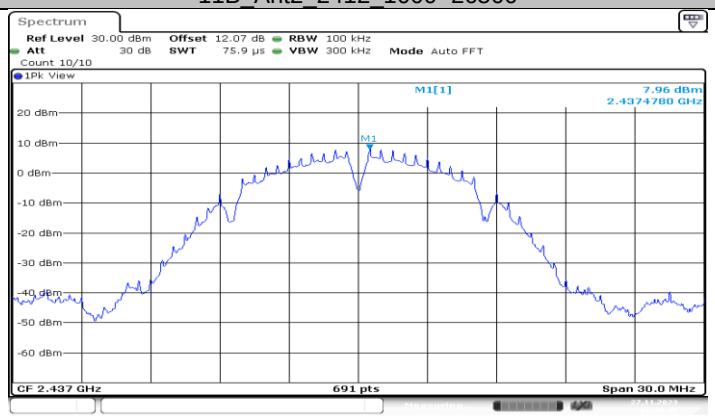

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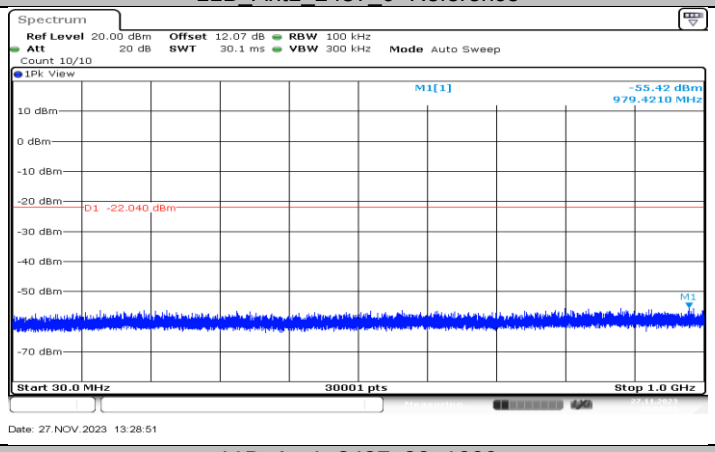
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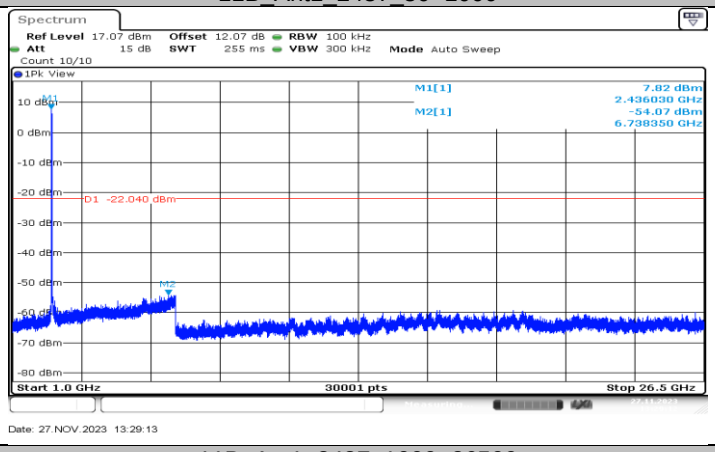
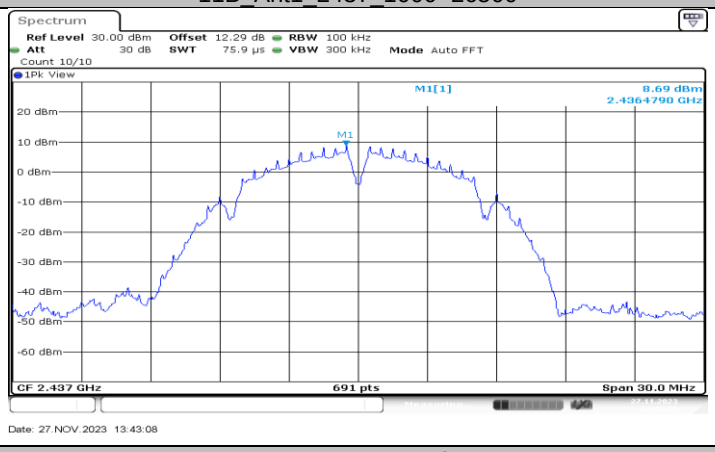
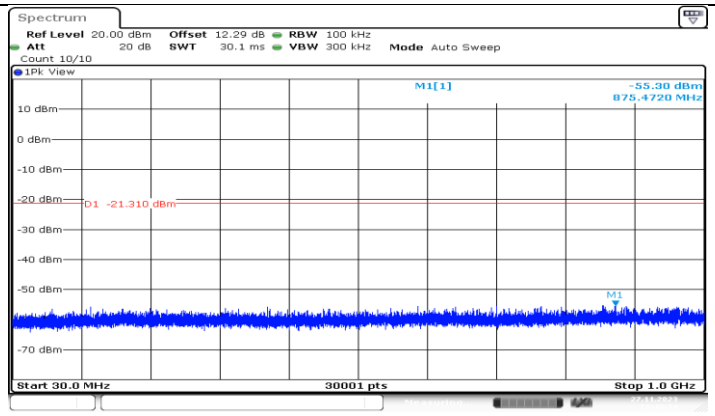

11B_Ant1_2437_1000~26500

11B_Ant2_2437_0~Reference



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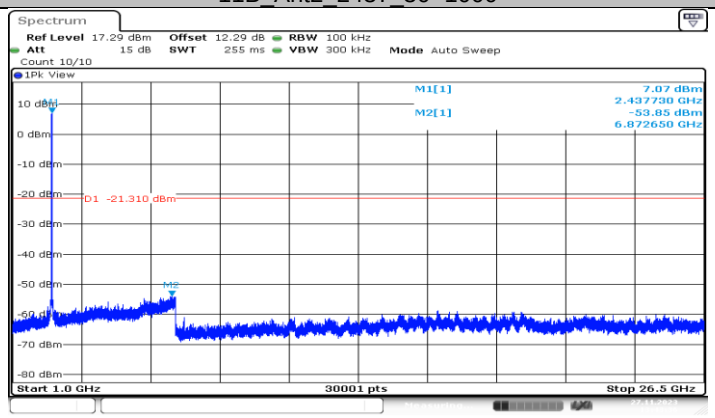

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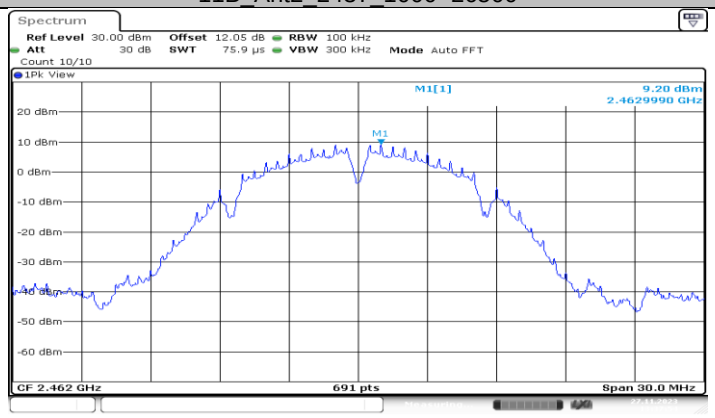
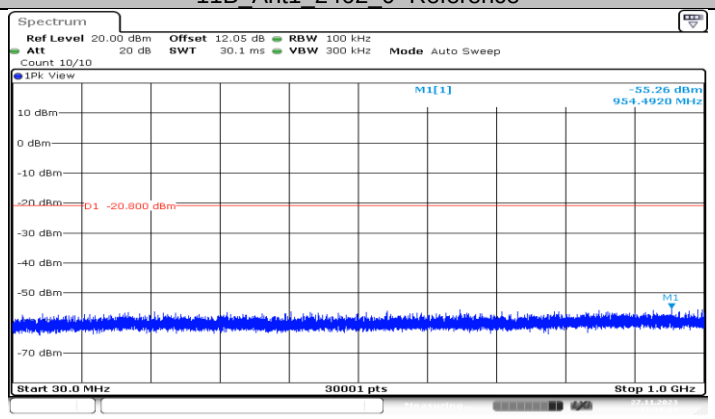


11B_Ant1_2462_0~Reference



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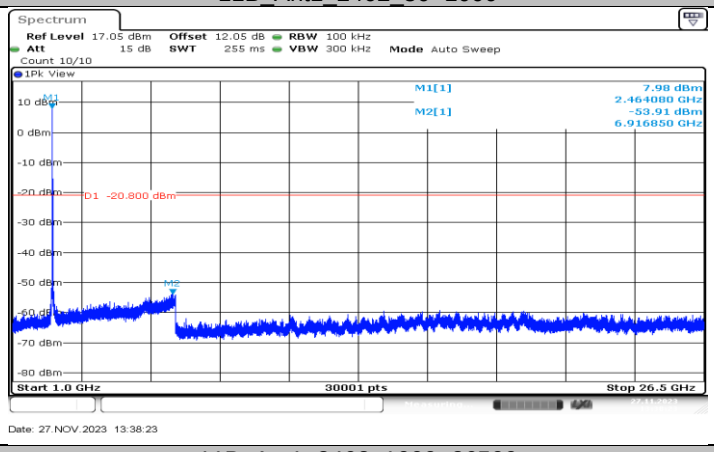

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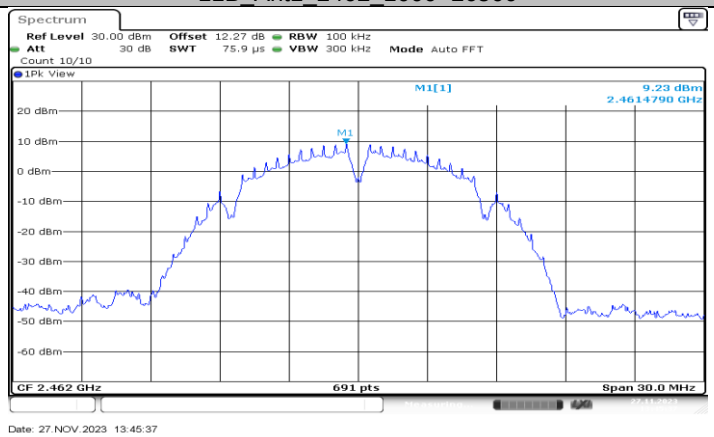

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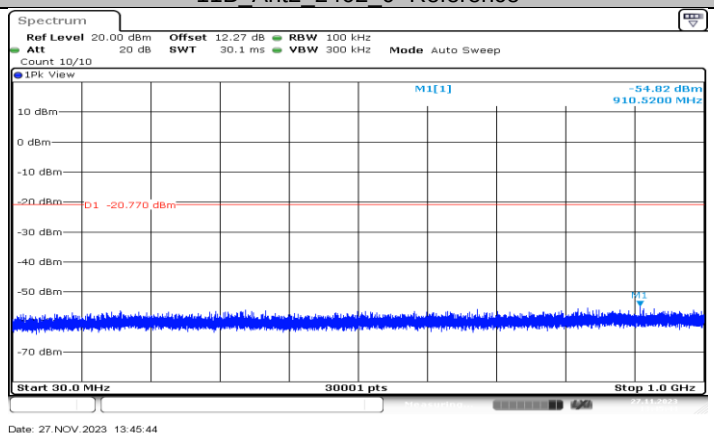

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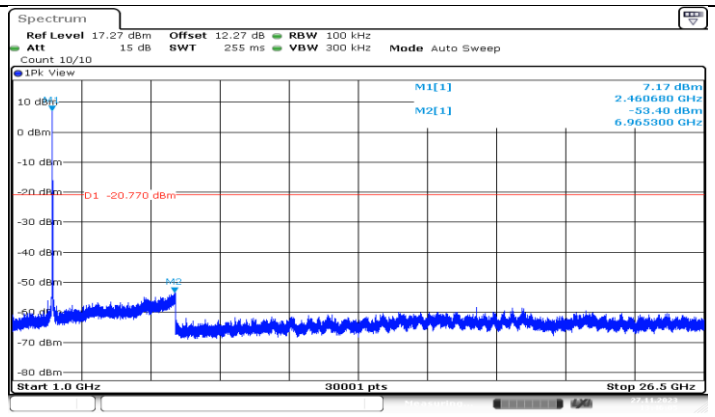
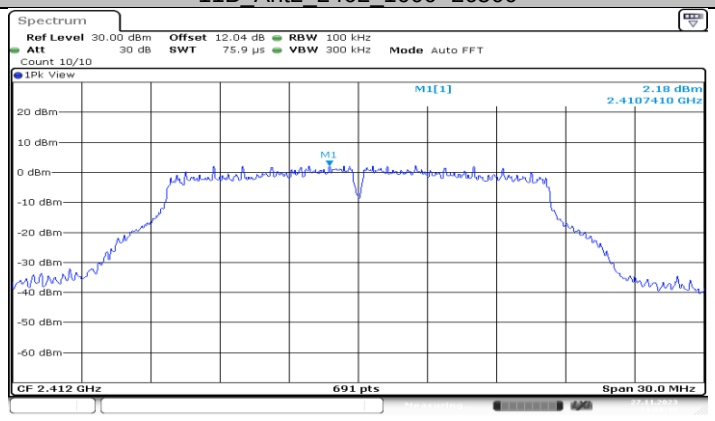


11B_Ant2_2462_1000~26500



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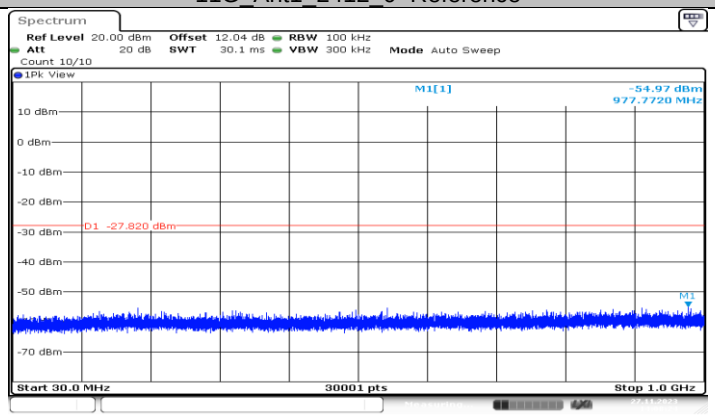

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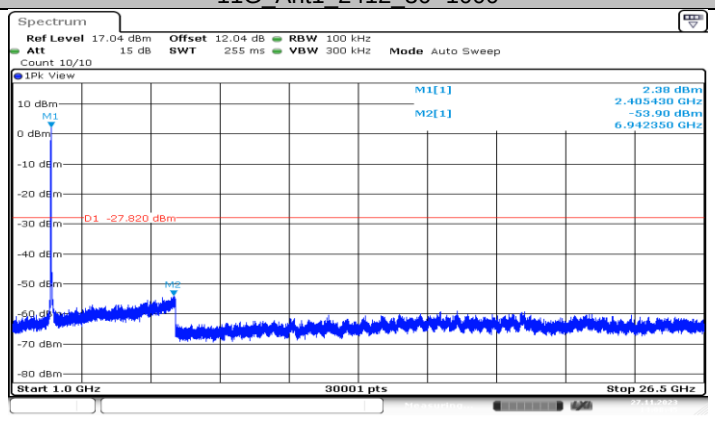

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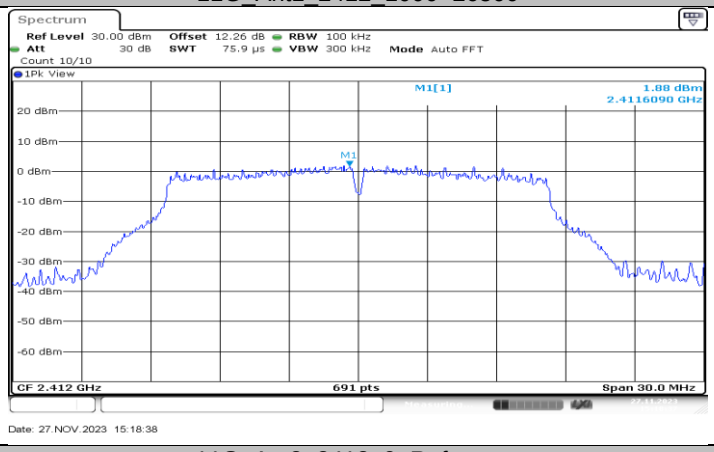

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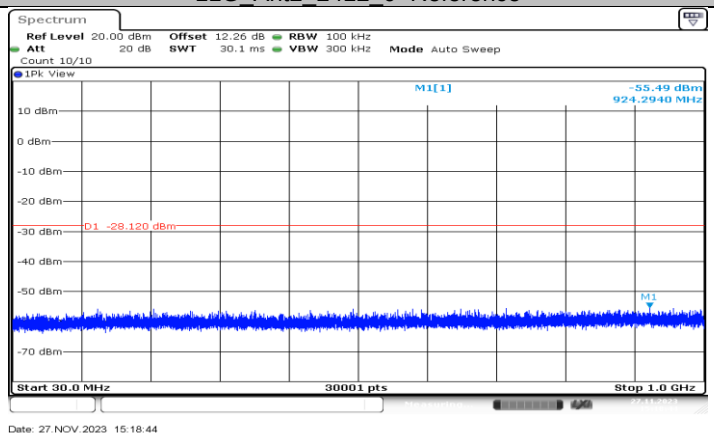

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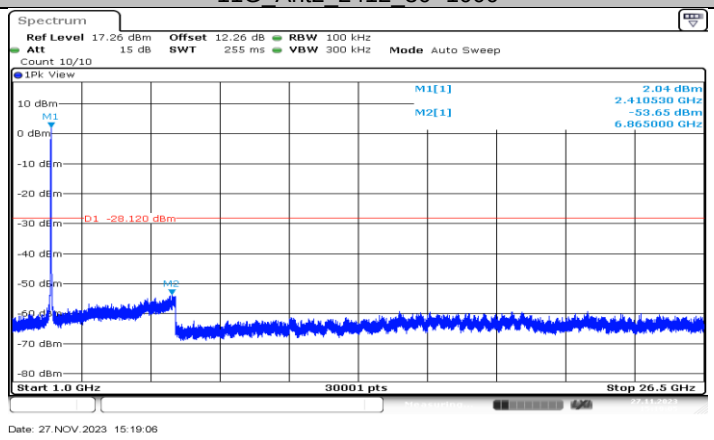
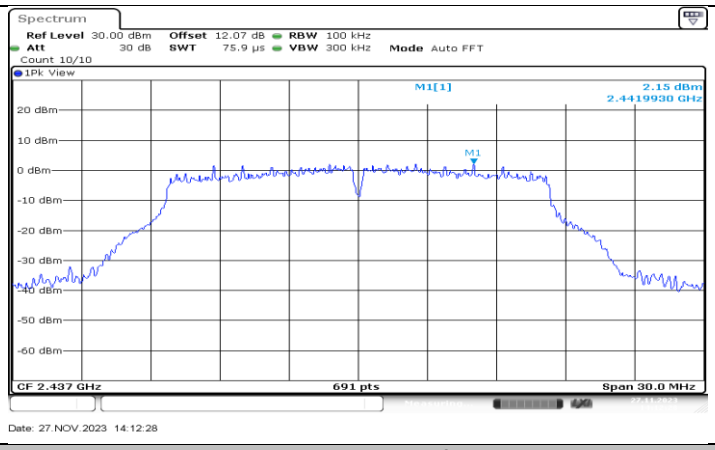


11G_Ant2_2412_1000~26500



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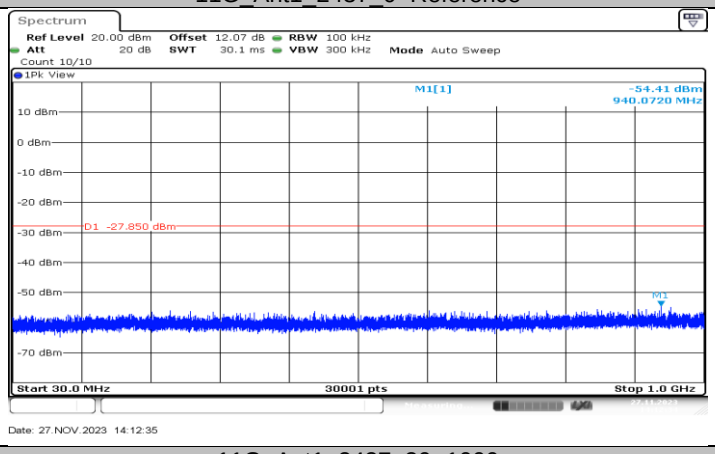

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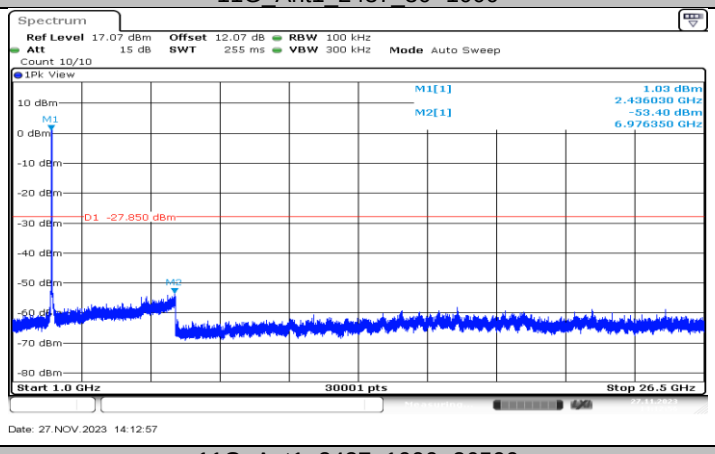

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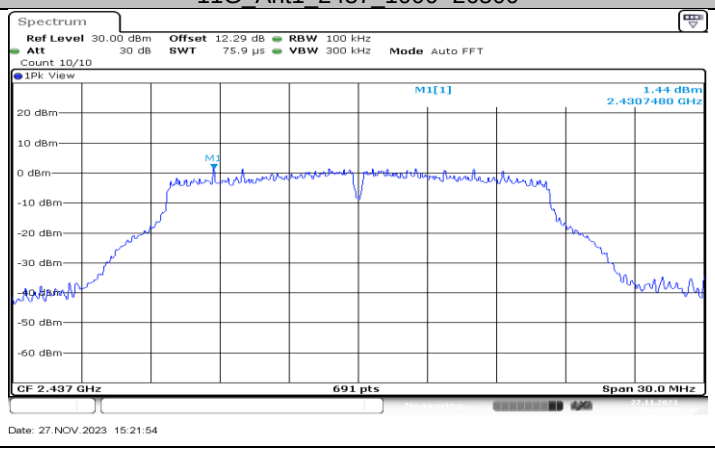

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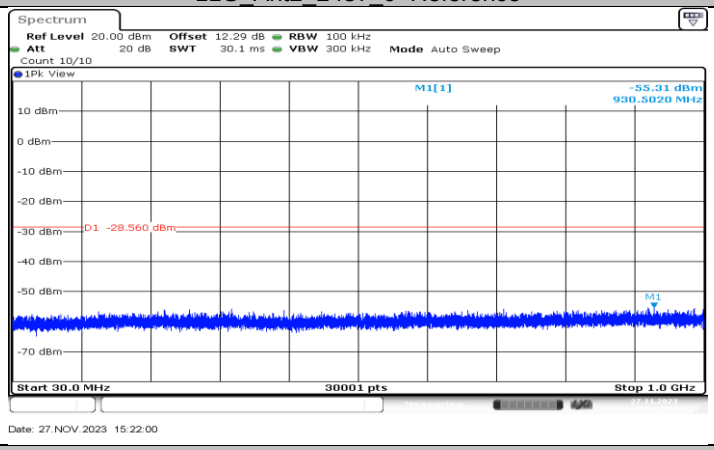

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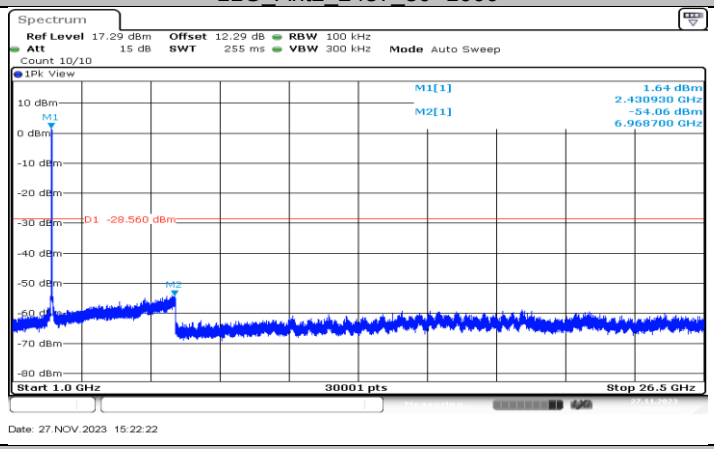

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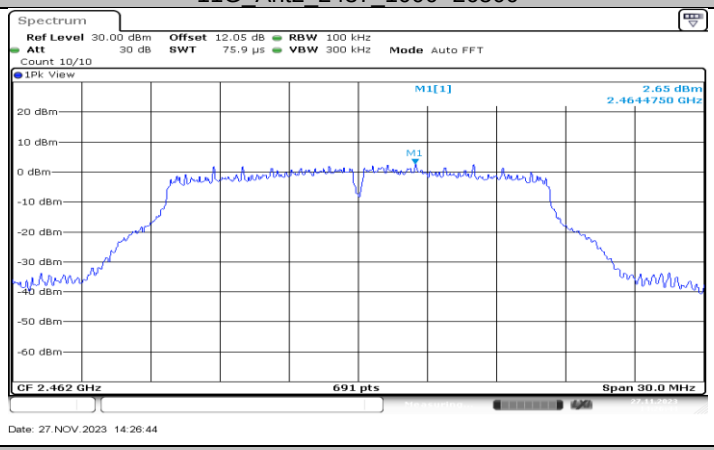

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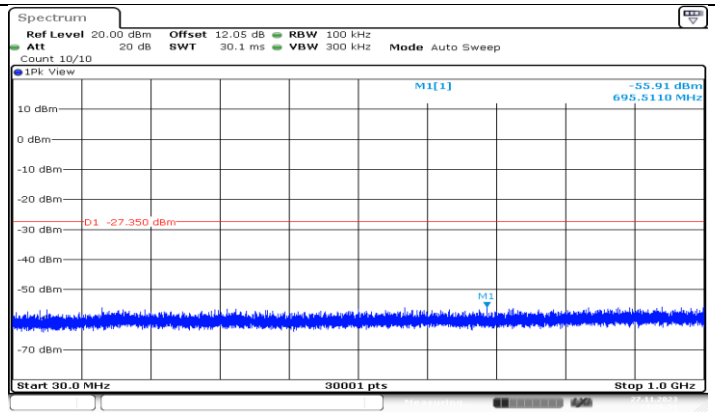

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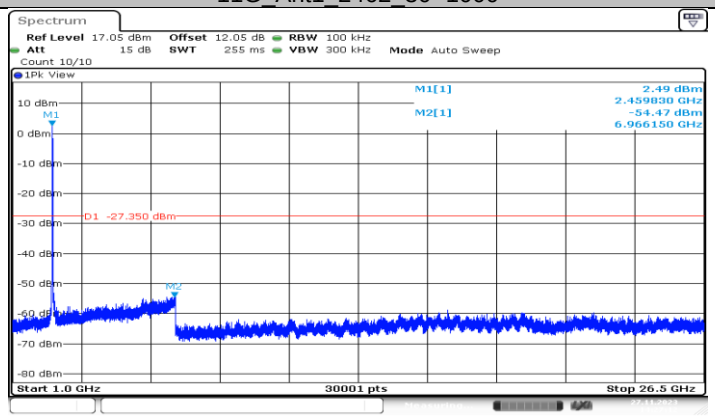
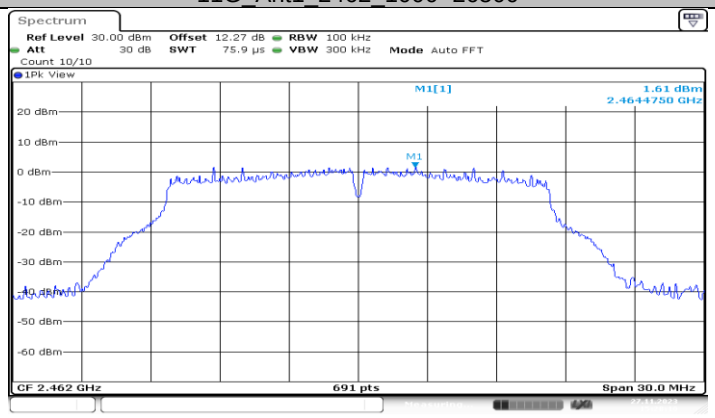


11G_Ant1_2462_1000~26500



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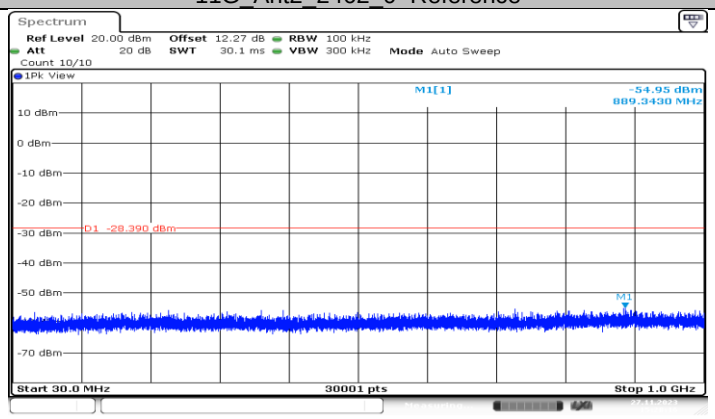

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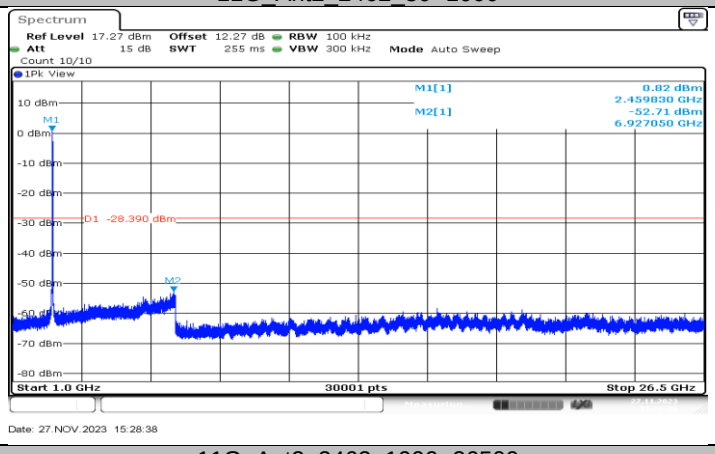
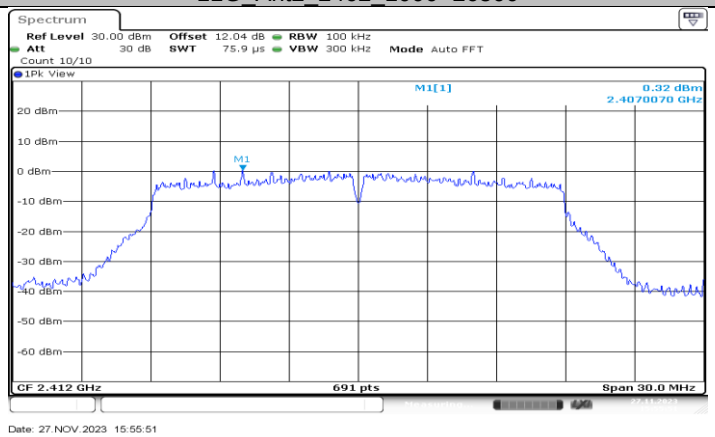
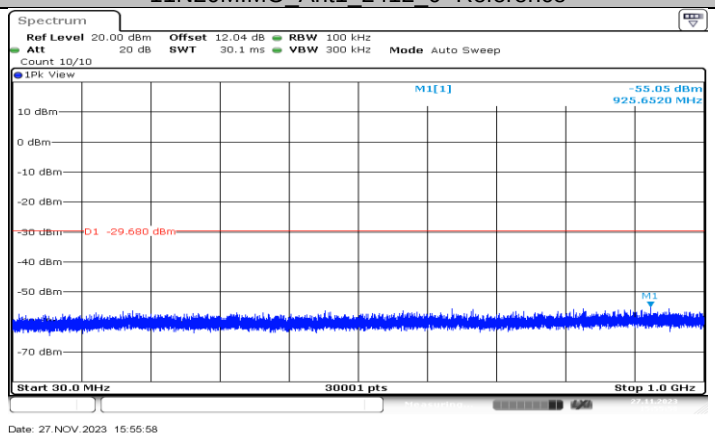


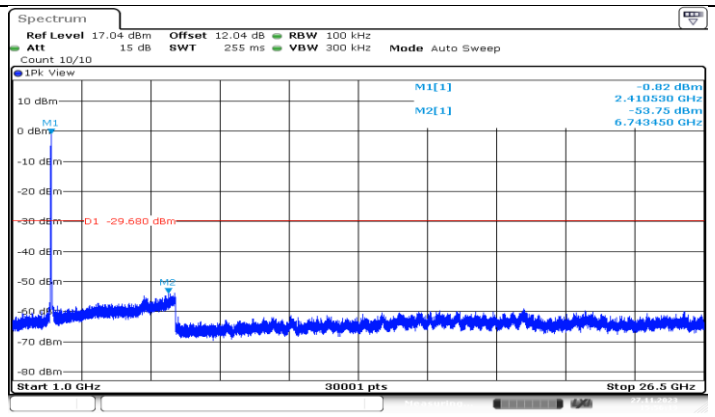
11G_Ant2_2462_1000~26500



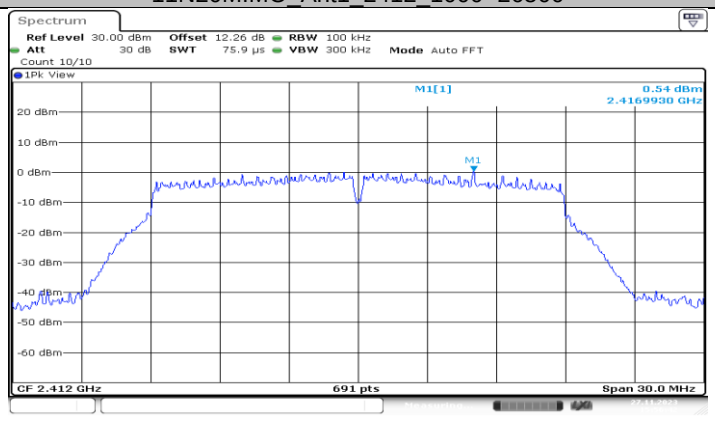
11N20MIMO_Ant1_2412_0~Reference



11N20MIMO_Ant1_2412_30~1000



11N20MIMO_Ant1_2412_1000~26500



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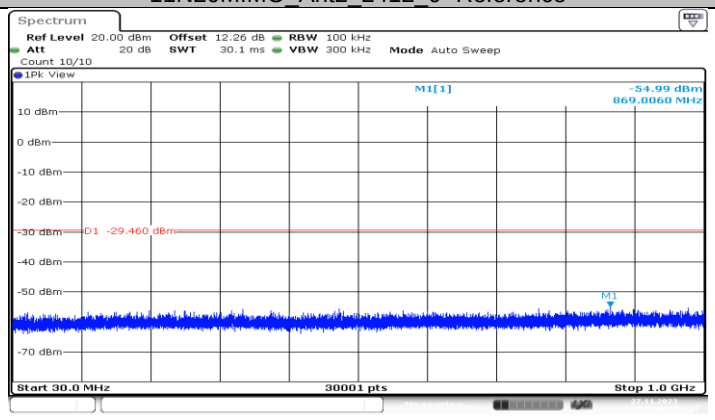
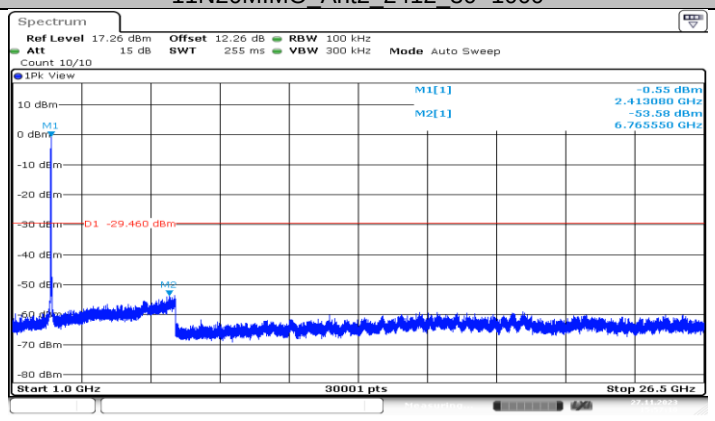
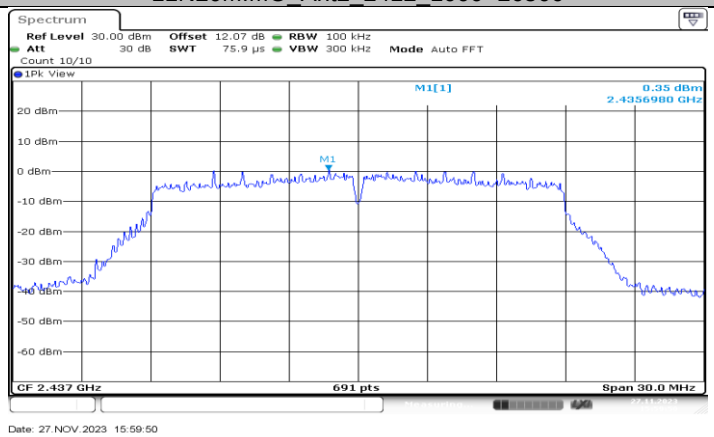


11N20MIMO_Ant2_2412_30~1000



11N20MIMO_Ant2_2412_1000~26500



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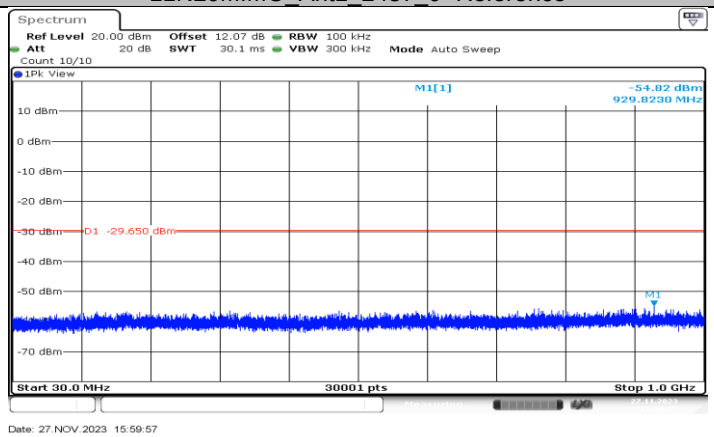

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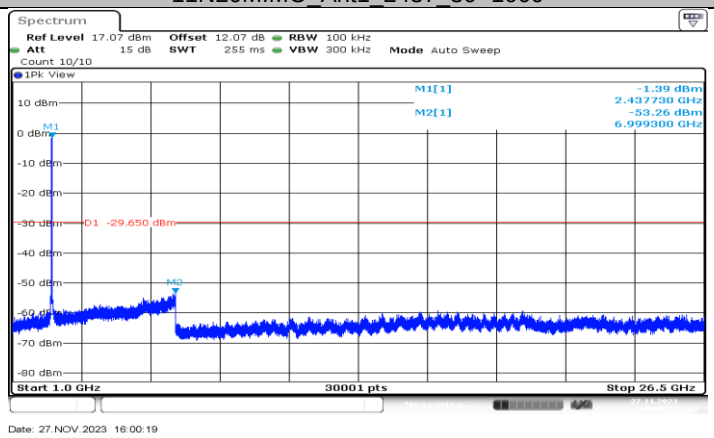
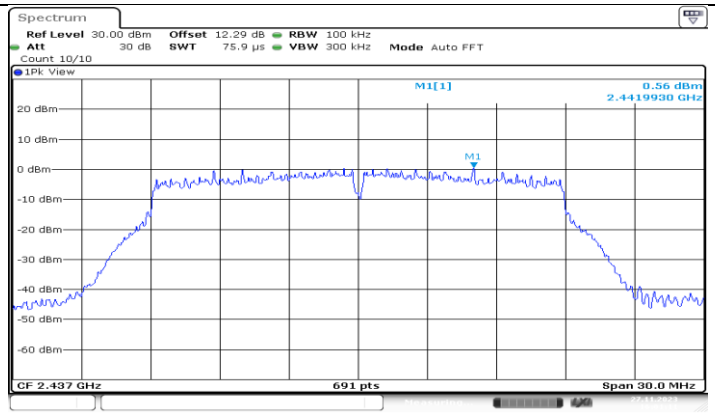


11N20MIMO_Ant1_2437_1000~26500



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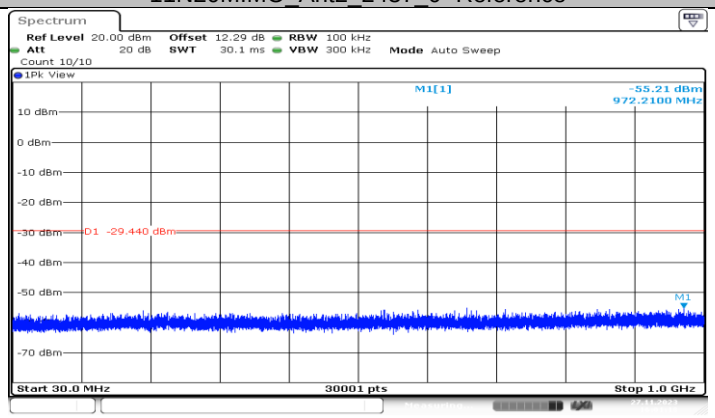
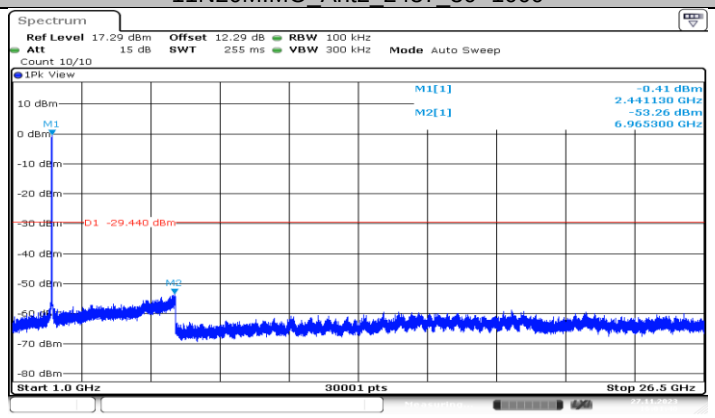
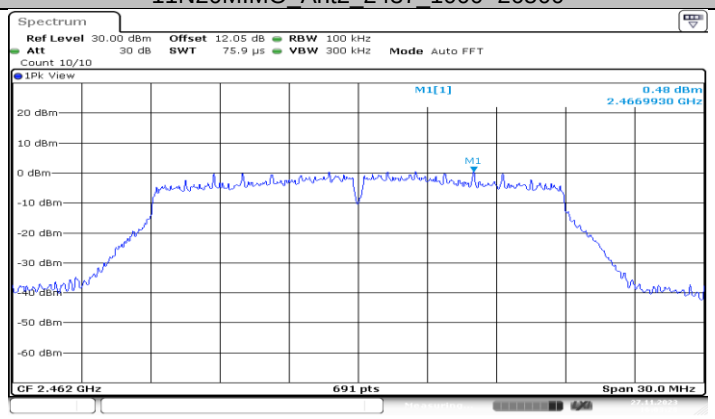


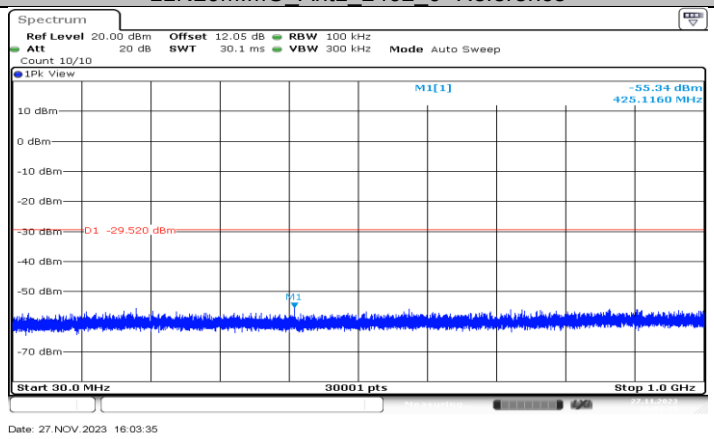
11N20MIMO_Ant2_2437_30~1000



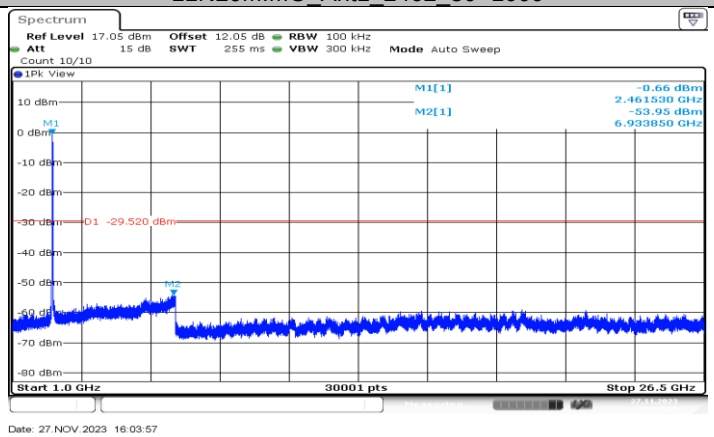
11N20MIMO_Ant2_2437_1000~26500



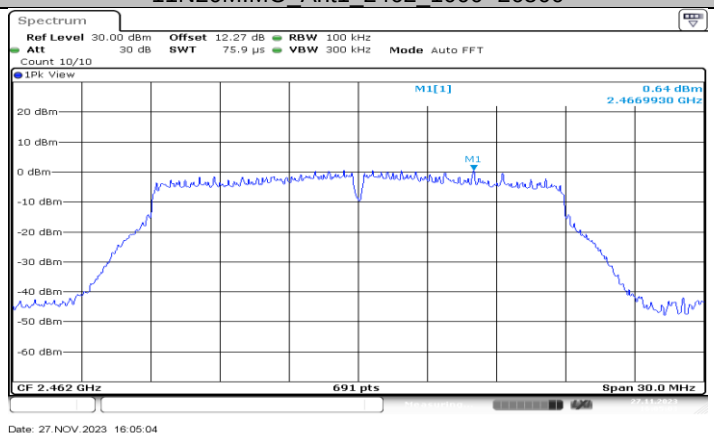
11N20MIMO_Ant1_2462_0~Reference



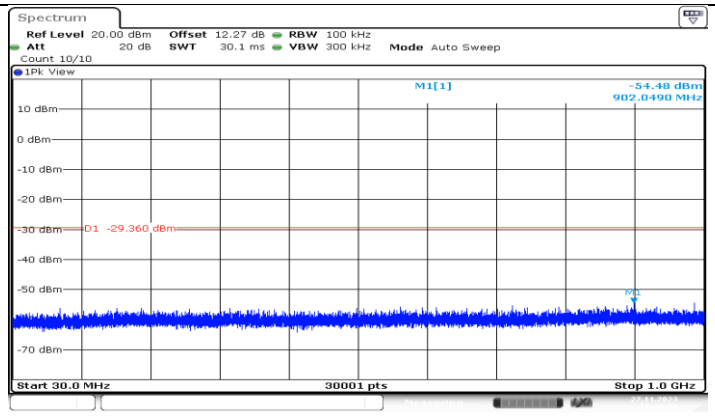
11N20MIMO_Ant1_2462_30~1000



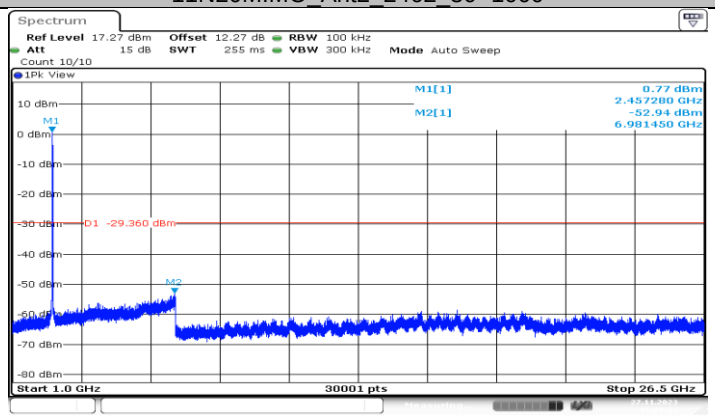
11N20MIMO_Ant1_2462_1000~26500



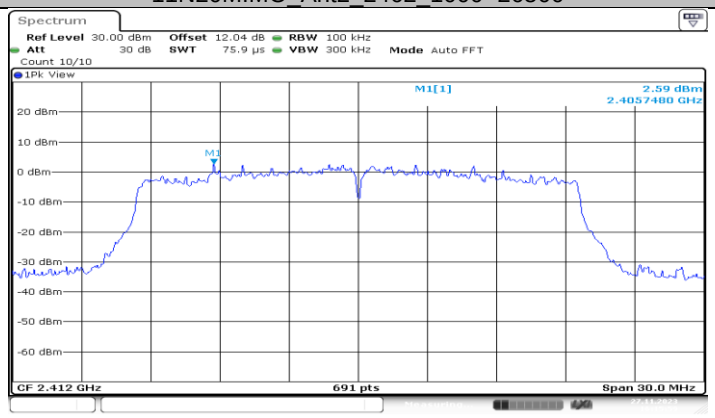
11N20MIMO_Ant2_2462_0~Reference



11N20MIMO_Ant2_2462_30~1000



11N20MIMO_Ant2_2462_1000~26500



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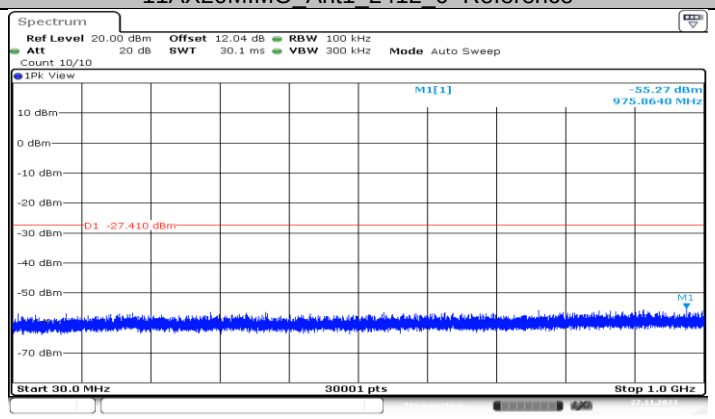
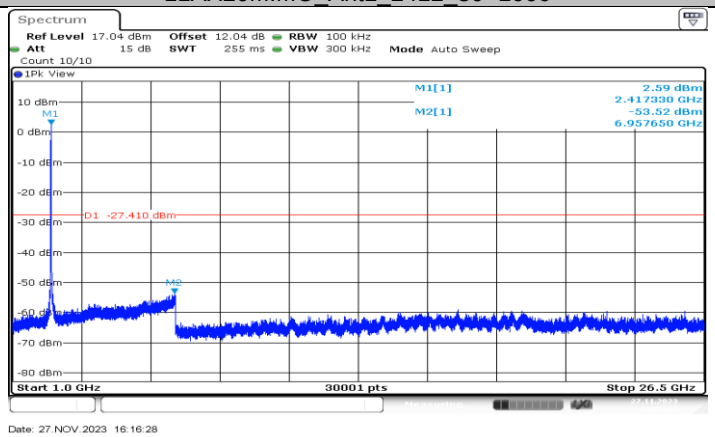
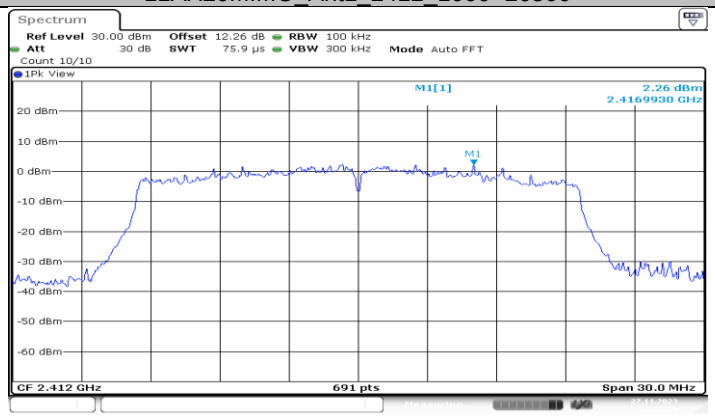


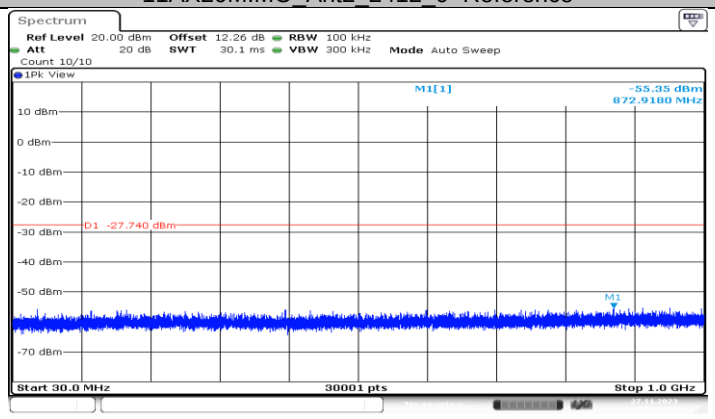
11AX20MIMO_Ant1_2412_30~1000



11AX20MIMO_Ant1_2412_1000~26500



11AX20MIMO_Ant2_2412_0~Reference



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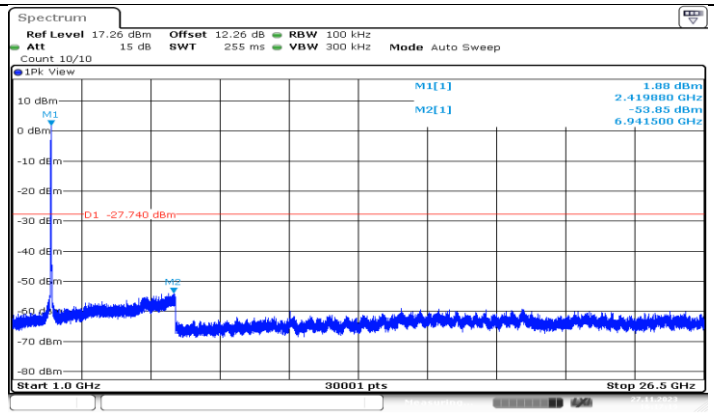

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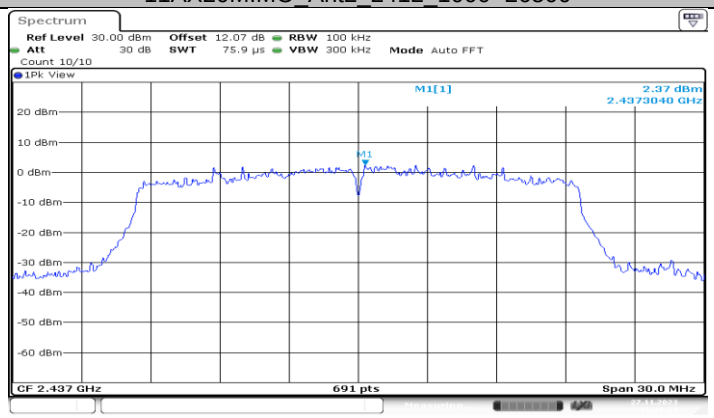

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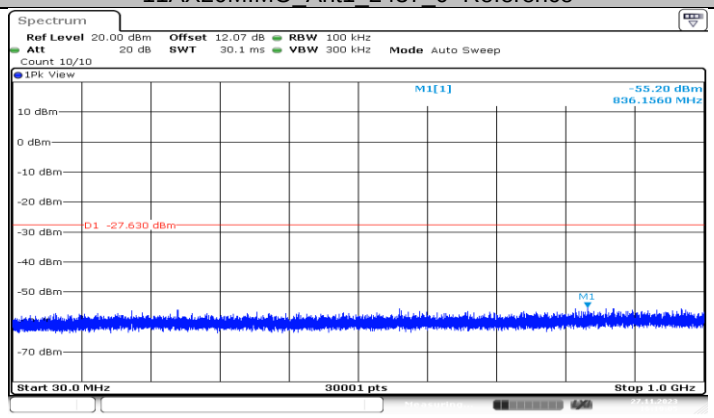

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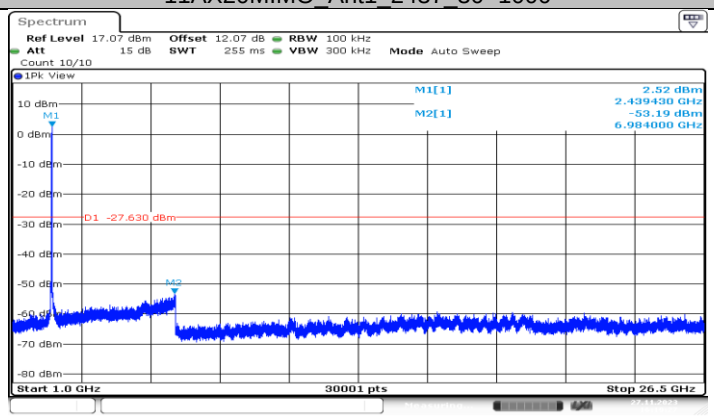

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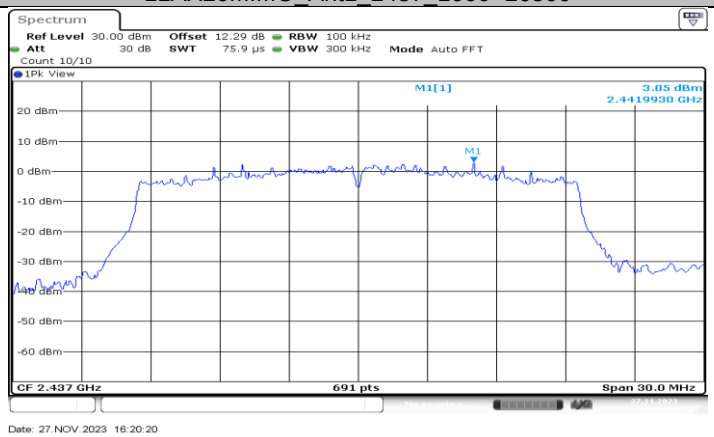

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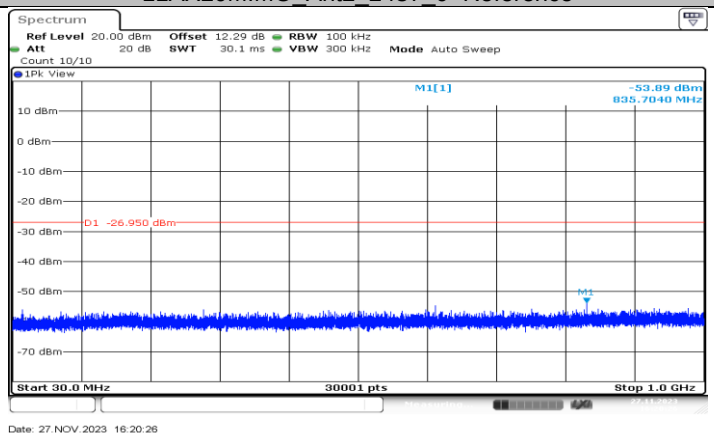

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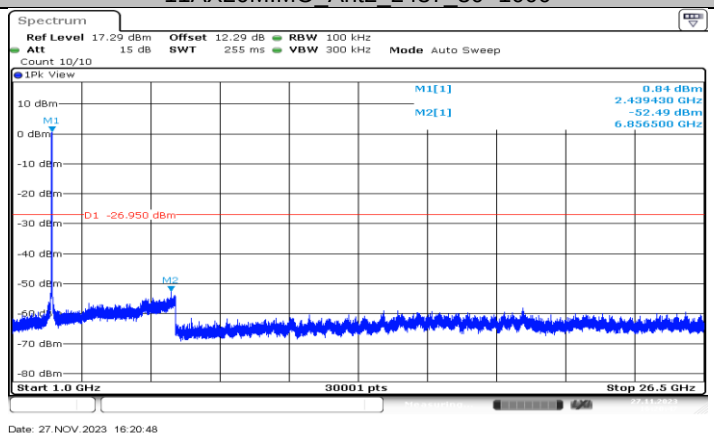

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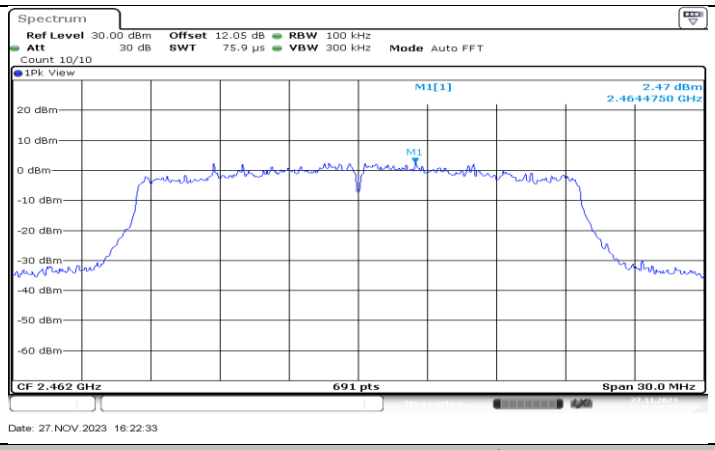

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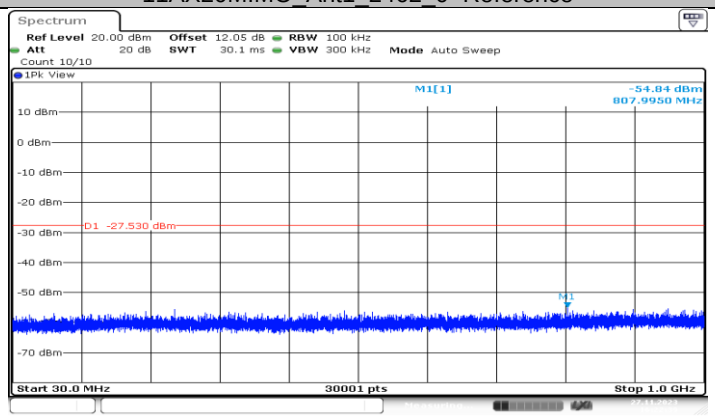

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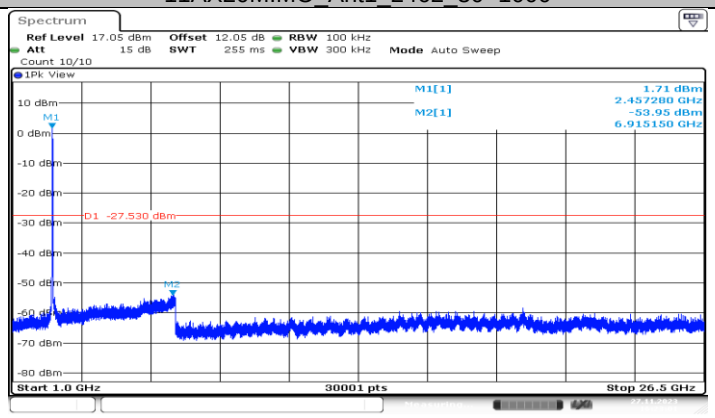

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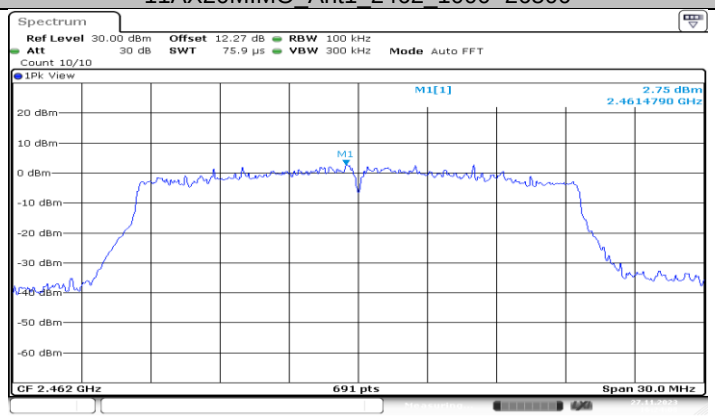

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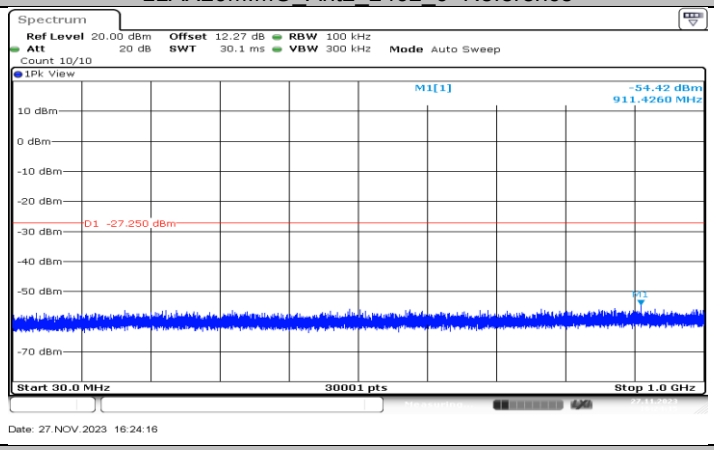
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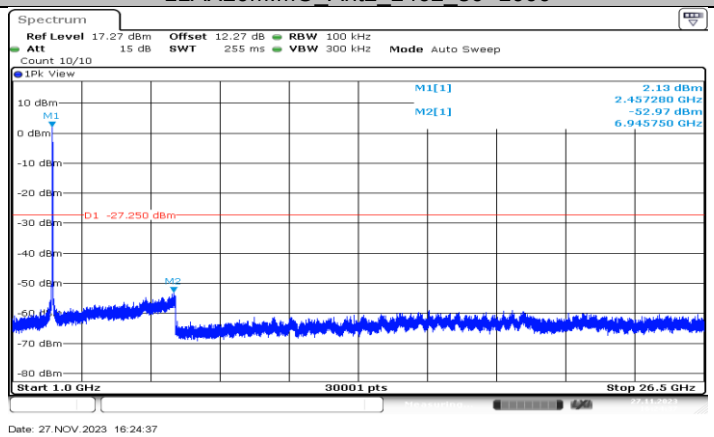

11AX20MIMO_Ant2_2462_1000~26500

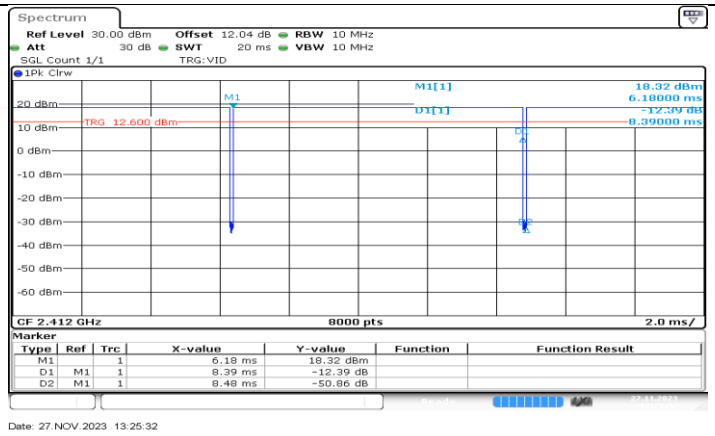
11.7. APPENDIX G: DUTY CYCLE

11.7.1. Test Result

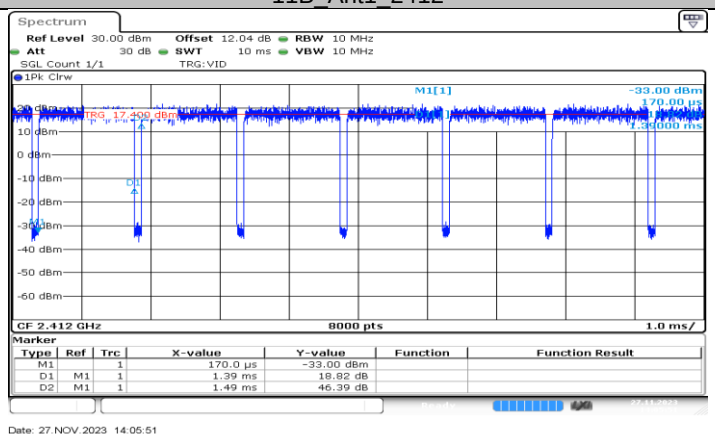
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	8.39	8.48	0.9894	98.94	0.05	0.12	0.01
11G	1.39	1.49	0.9329	93.29	0.30	0.72	1
11N20MIMO	1.3	1.4	0.9286	92.86	0.32	0.77	1
11AX20MIMO	1.01	1.11	0.9099	90.99	0.41	0.99	1

Note:
Duty Cycle Correction Factor=10log (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.

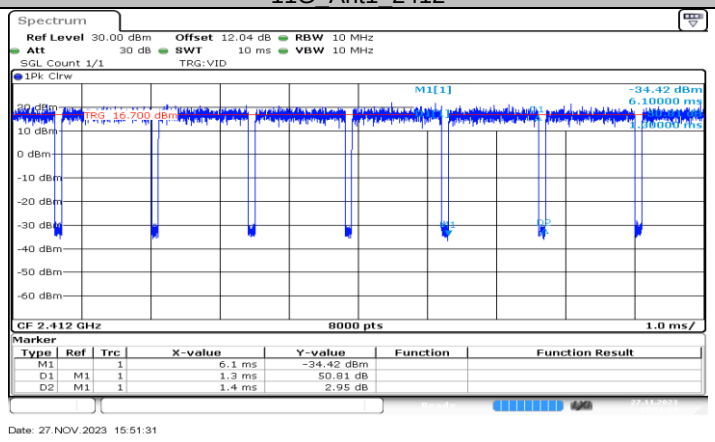
11.7.2. Test Graphs



11B_Ant1_2412



11G_Ant1_2412



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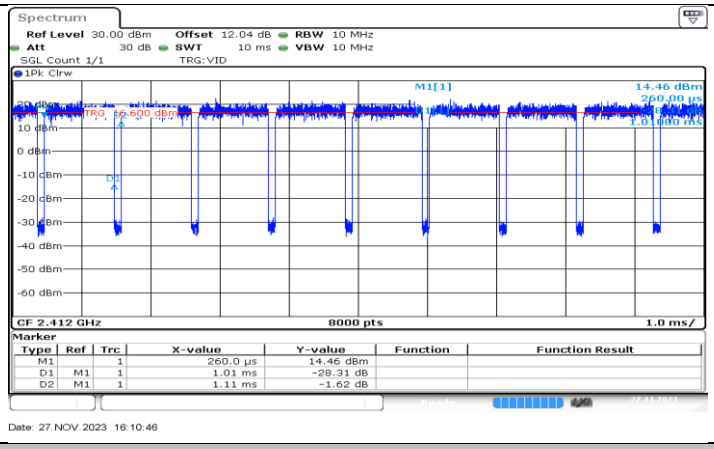

11AX20MIMO_Ant1_2412

END OF REPORT