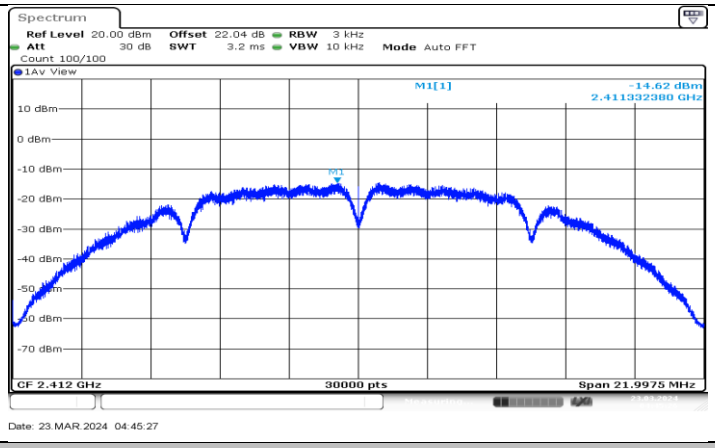
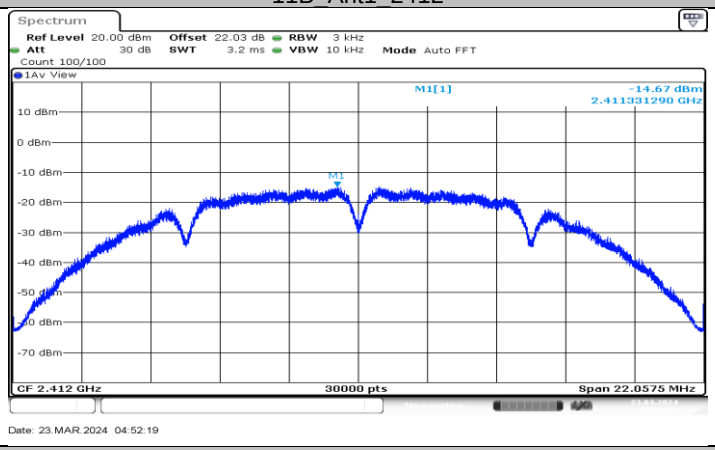
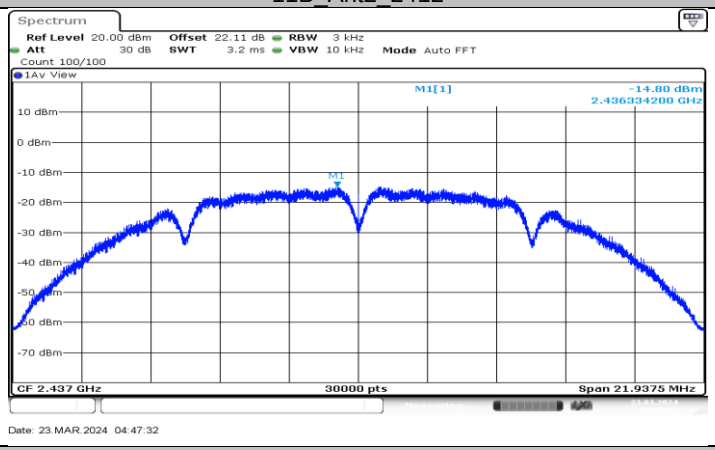
11.4.2. Test Graphs



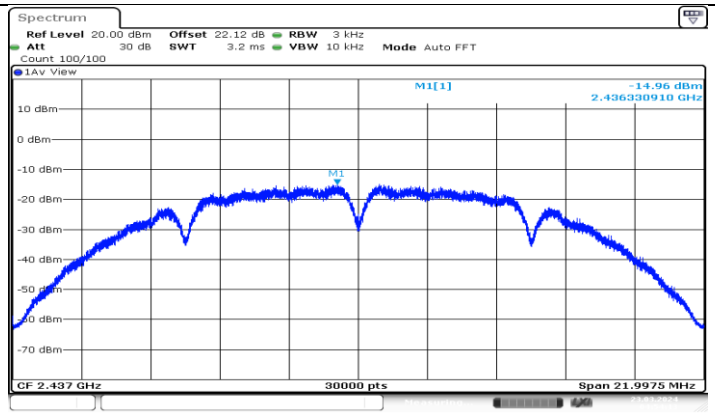
11B_Ant1_2412



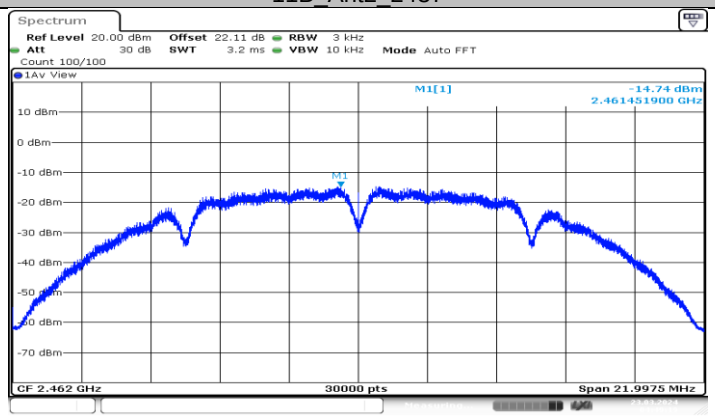
11B_Ant2_2412



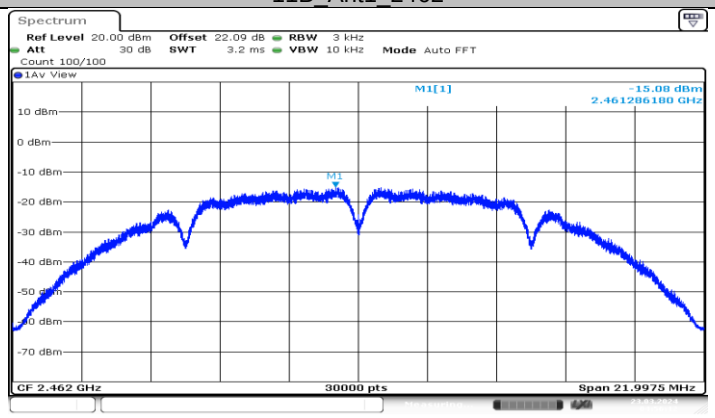
11B_Ant1_2437



11B_Ant2_2437



11B_Ant1_2462



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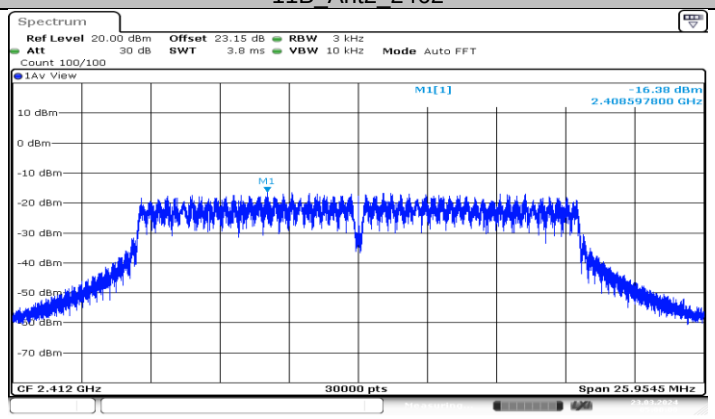
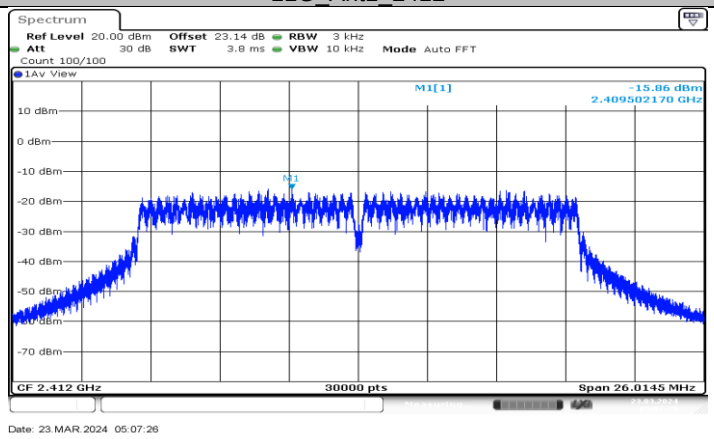
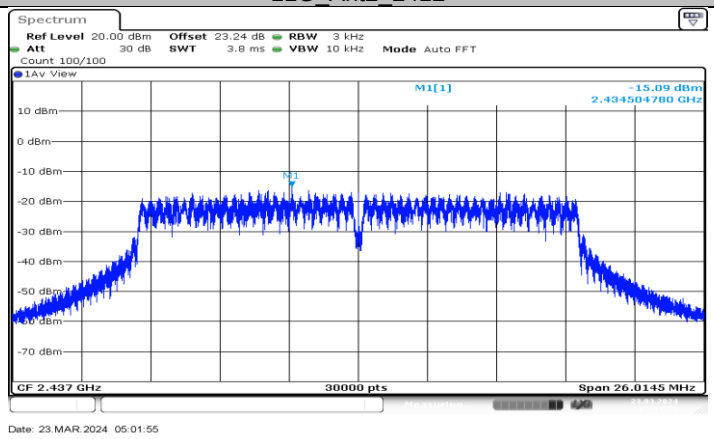


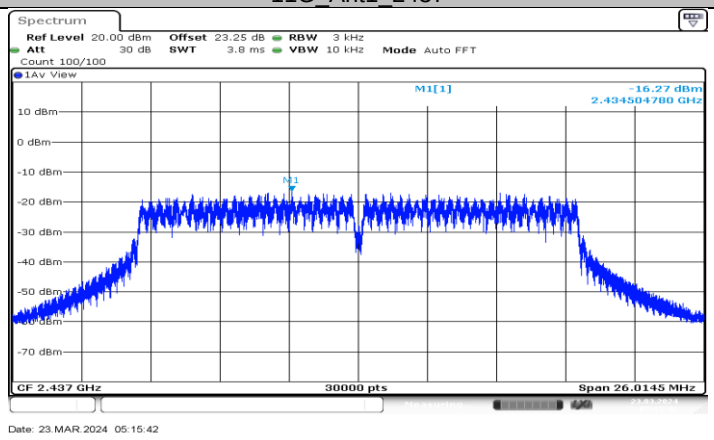
11G_Ant1_2412



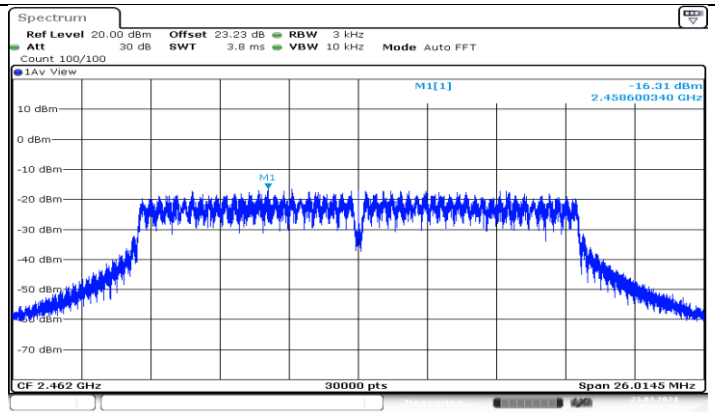
11G_Ant2_2412



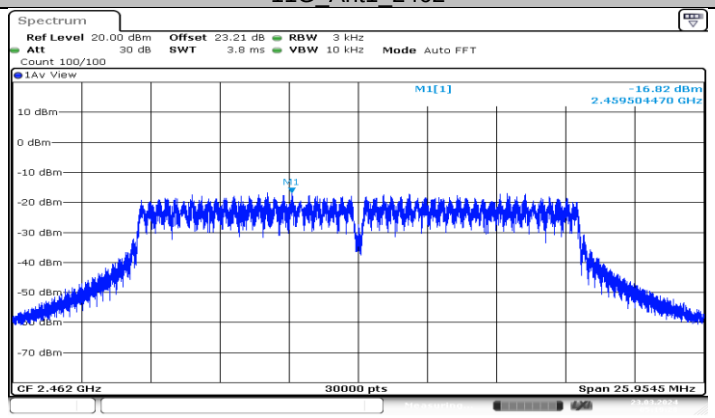
11G_Ant1_2437



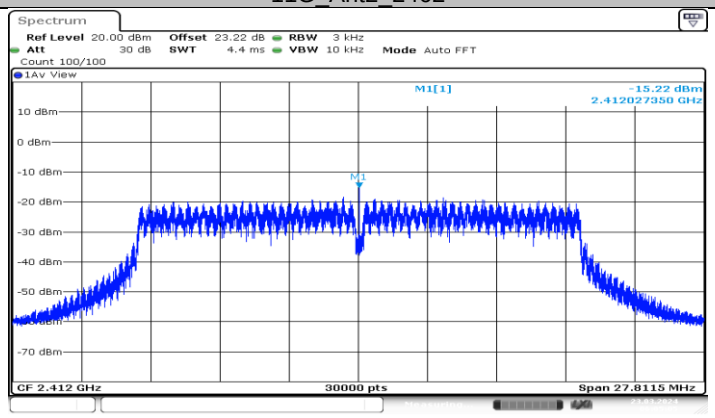
11G_Ant2_2437



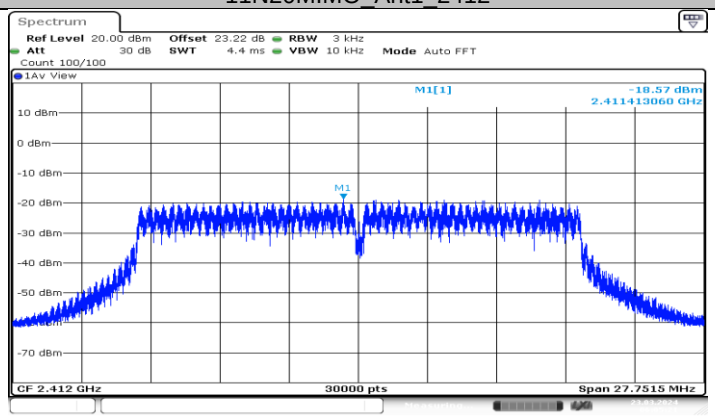
11G_Ant1_2462

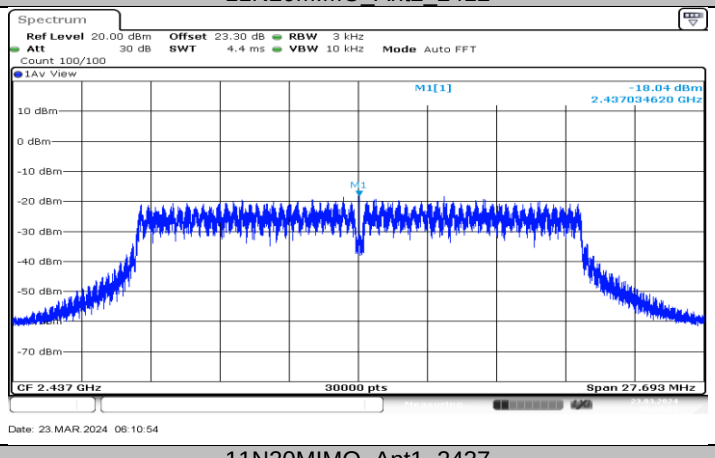
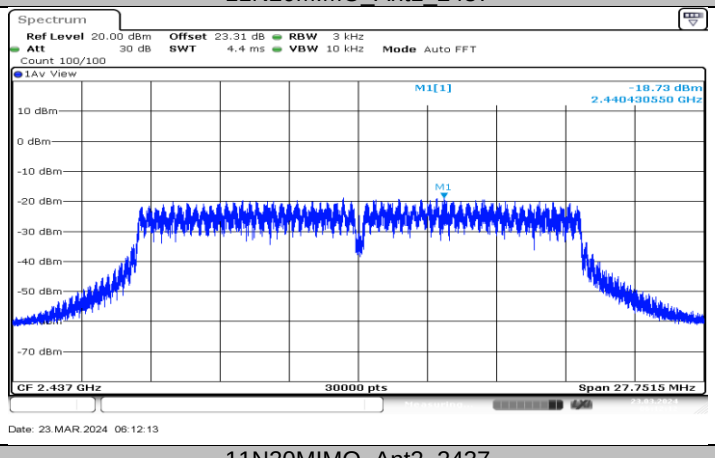
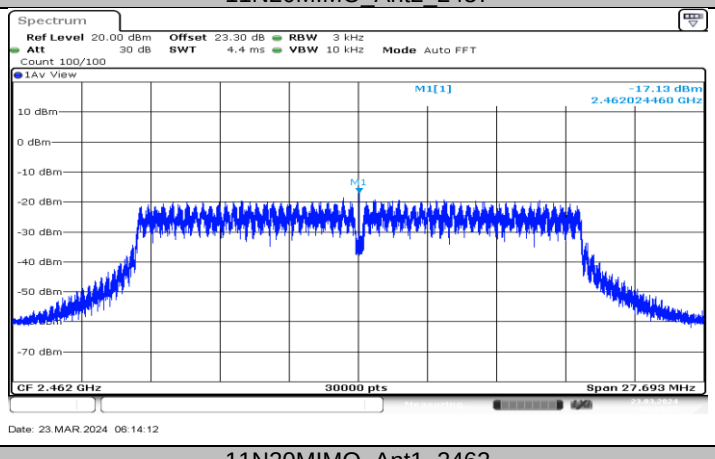


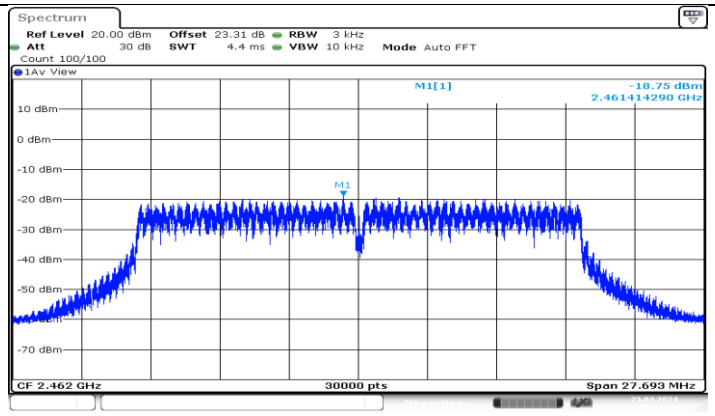
11G_Ant2_2462



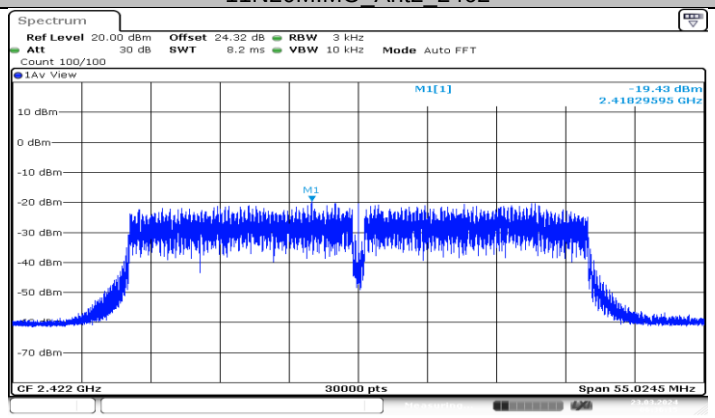
11N20MIMO_Ant1_2412



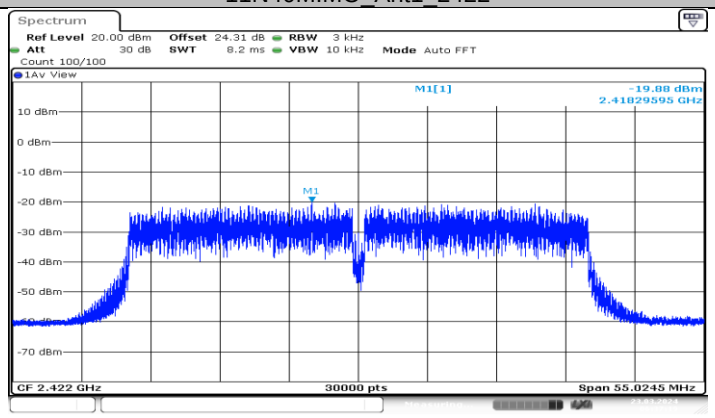
11N20MIMO_Ant2_2412

11N20MIMO_Ant1_2437

11N20MIMO_Ant2_2437

11N20MIMO_Ant1_2462



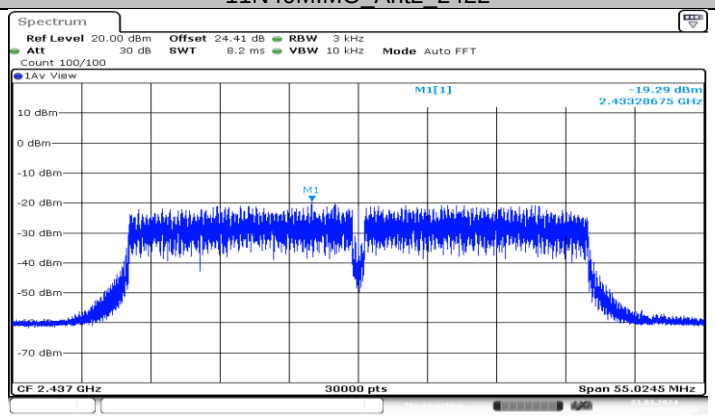
11N20MIMO_Ant2_2462



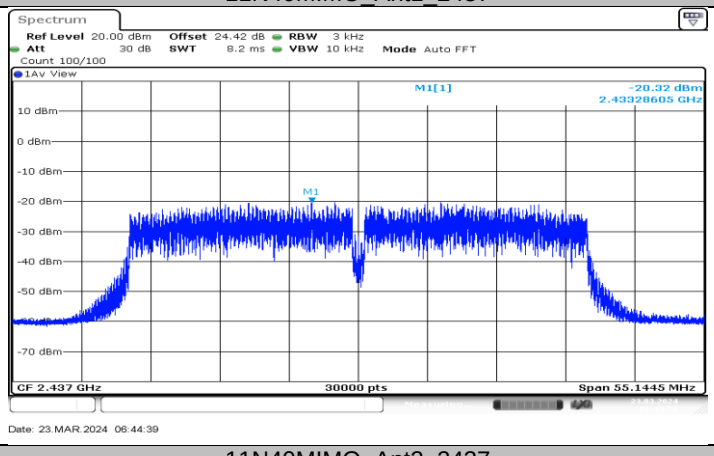
11N40MIMO_Ant1_2422



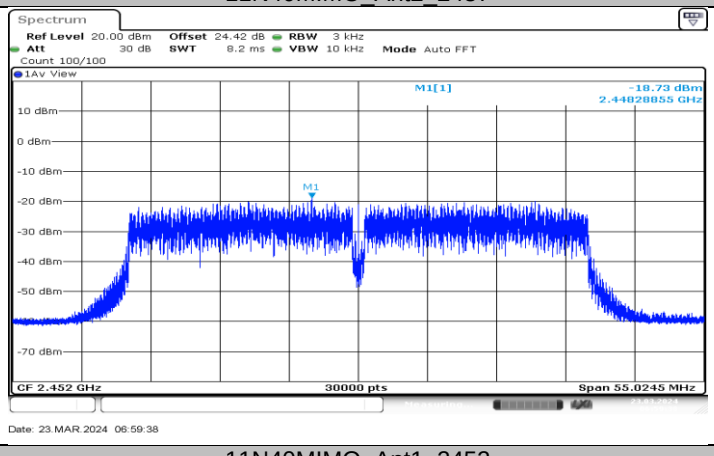
11N40MIMO_Ant2_2422



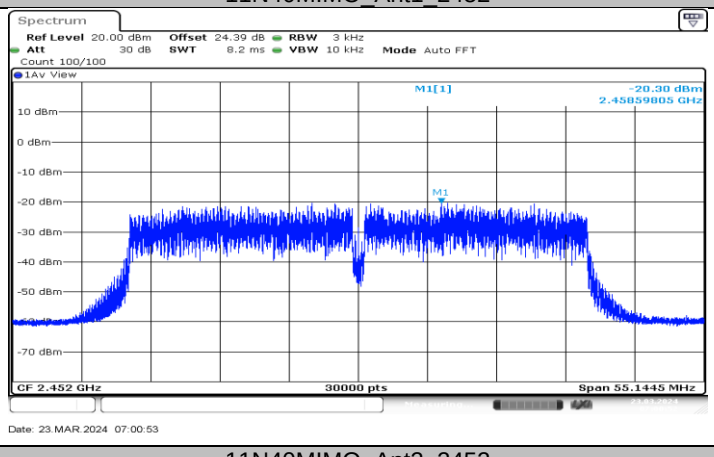
11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



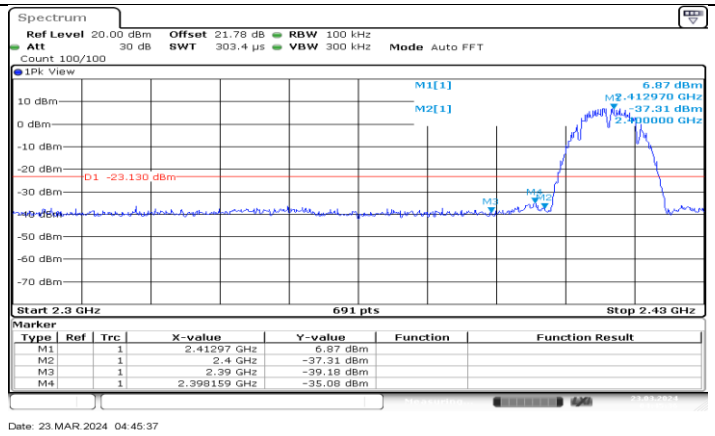
11N40MIMO_Ant2_2452

11.5. APPENDIX E: BAND EDGE MEASUREMENTS

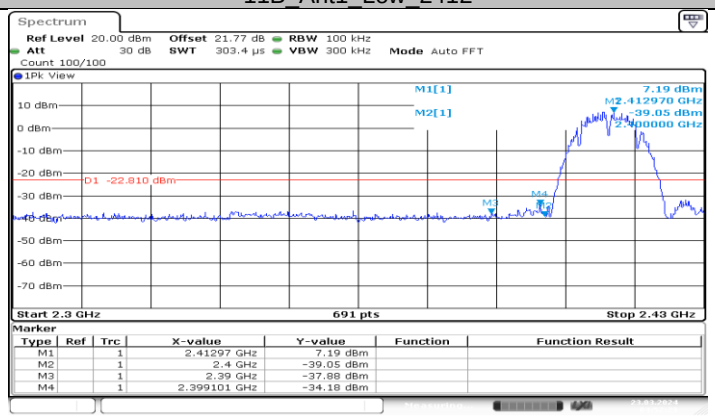
11.5.1. Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.87	-35.08	≤-23.13	PASS
	Ant2	Low	2412	7.19	-34.18	≤-22.81	PASS
	Ant1	High	2462	7.17	-36.37	≤-22.83	PASS
	Ant2	High	2462	6.50	-37.14	≤-23.5	PASS
11G	Ant1	Low	2412	3.23	-33.02	≤-26.77	PASS
	Ant2	Low	2412	2.70	-33.71	≤-27.3	PASS
	Ant1	High	2462	3.04	-37.38	≤-26.96	PASS
	Ant2	High	2462	2.60	-36.77	≤-27.4	PASS
11N20MIMO	Ant1	Low	2412	0.95	-34.42	≤-29.05	PASS
	Ant2	Low	2412	1.33	-34.62	≤-28.67	PASS
	Ant1	High	2462	0.67	-37.12	≤-29.33	PASS
	Ant2	High	2462	0.76	-36.85	≤-29.24	PASS
11N40MIMO	Ant1	Low	2422	-1.90	-35.58	≤-31.9	PASS
	Ant2	Low	2422	-1.59	-36.97	≤-31.59	PASS
	Ant1	High	2452	-1.30	-36.14	≤-31.3	PASS
	Ant2	High	2452	-1.74	-35.92	≤-31.74	PASS

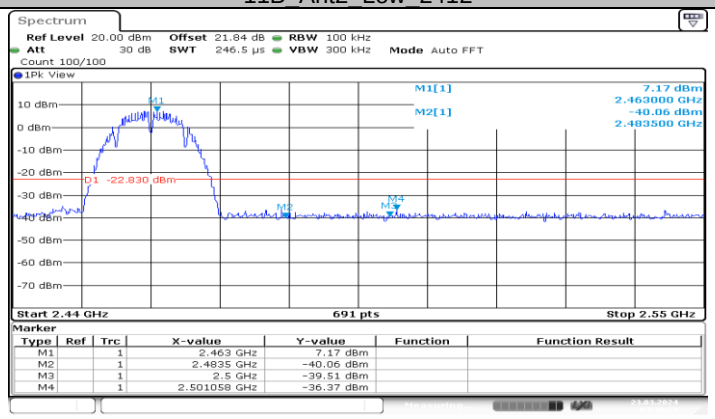
11.5.2. Test Graphs



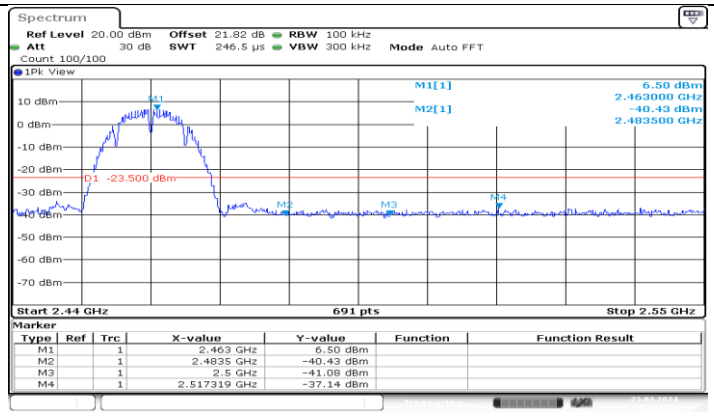
11B_Ant1_Low_2412



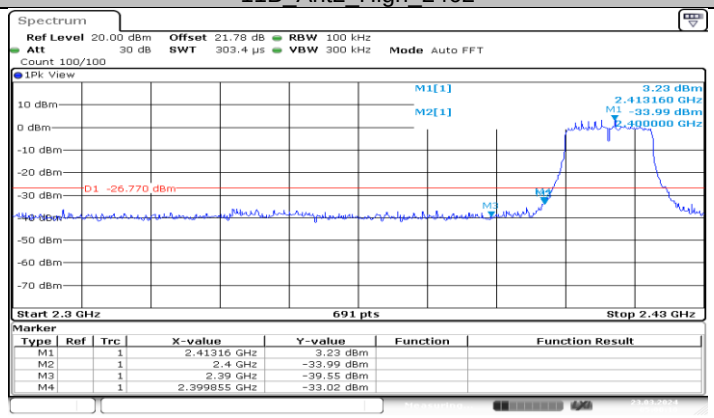
11B_Ant2_Low_2412



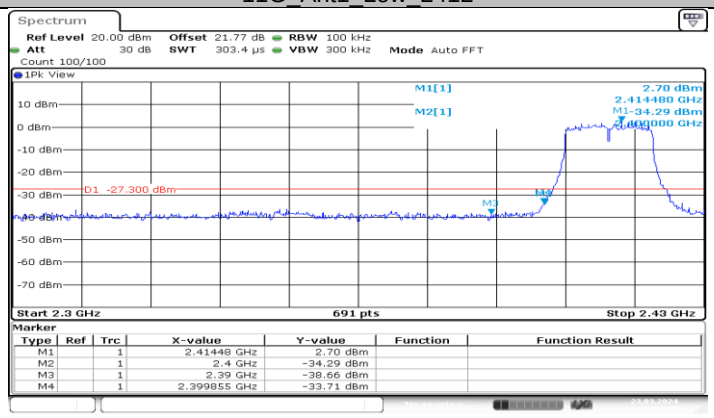
11B_Ant1_High_2462



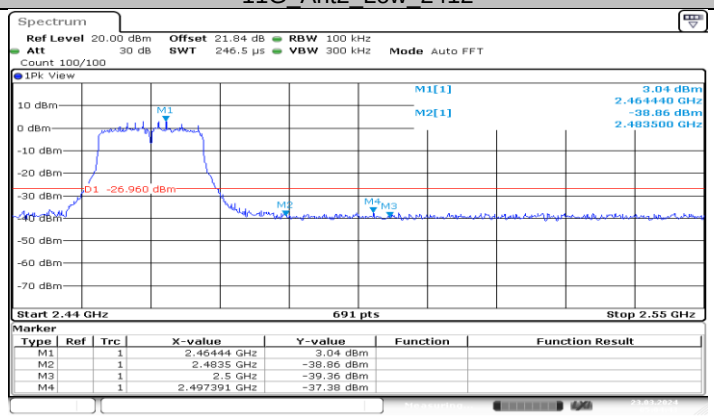
11B_Ant2_High_2462



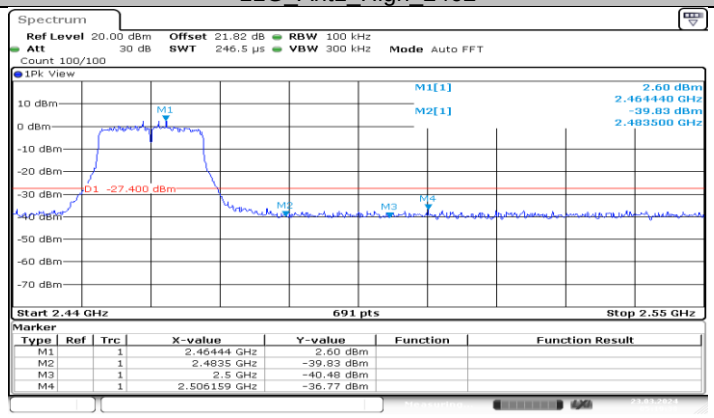
11G_Ant1_Low_2412



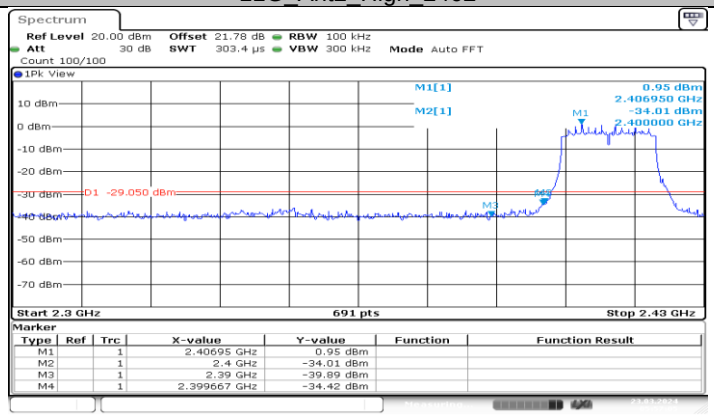
11G_Ant2_Low_2412



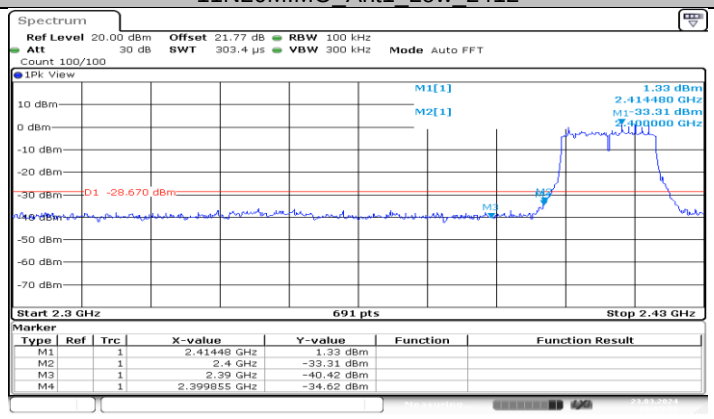
11G_Ant1_High_2462



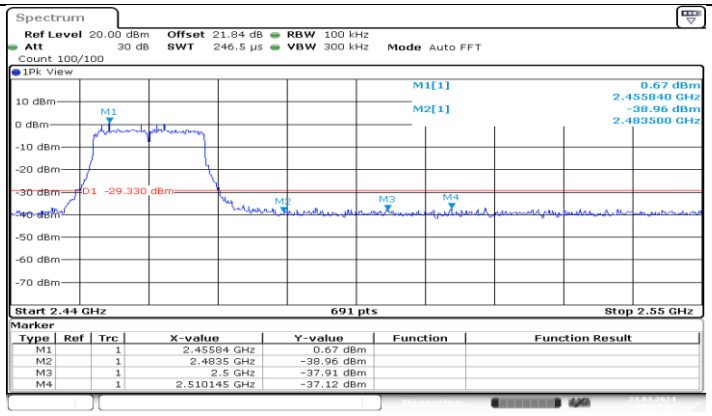
11G_Ant2_High_2462



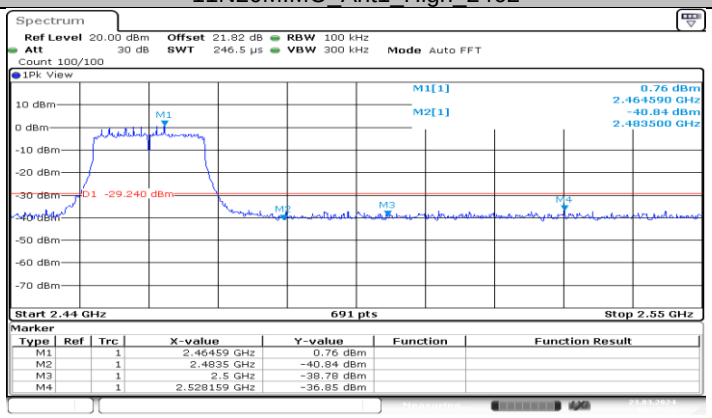
11N20MIMO_Ant1_Low_2412



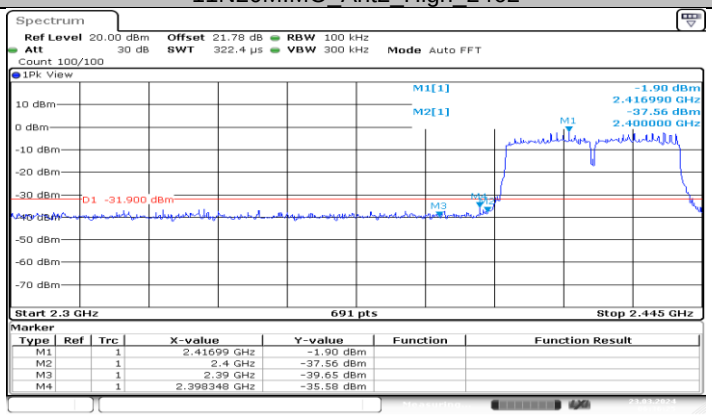
11N20MIMO_Ant2_Low_2412



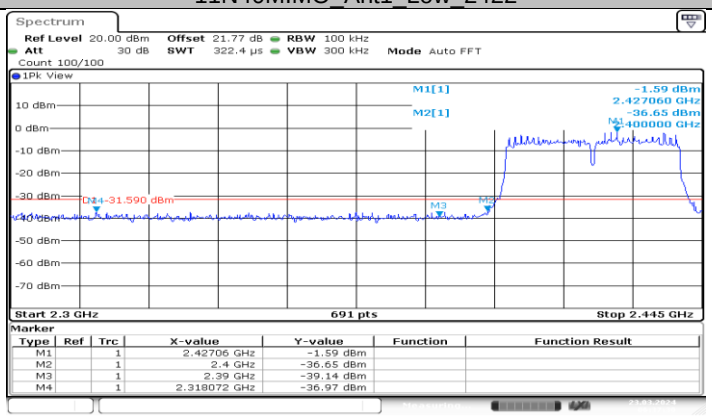
11N20MIMO_Ant1_High_2462

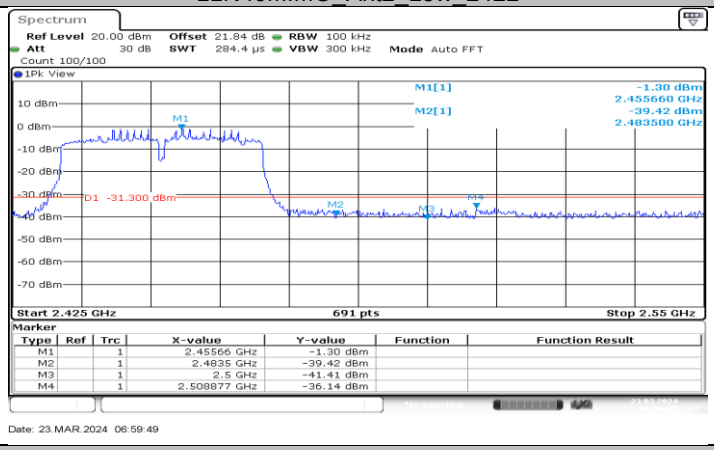
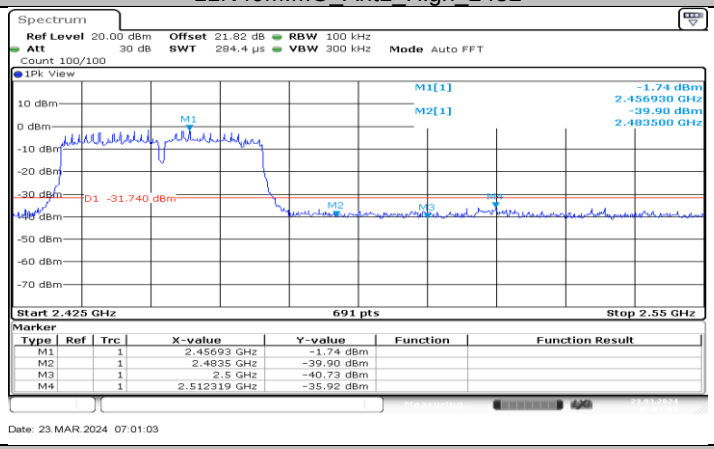


11N20MIMO_Ant2_High_2462



11N40MIMO_Ant1_Low_2422



11N40MIMO_Ant2_Low_2422

11N40MIMO_Ant1_High_2452

11N40MIMO_Ant2_High_2452

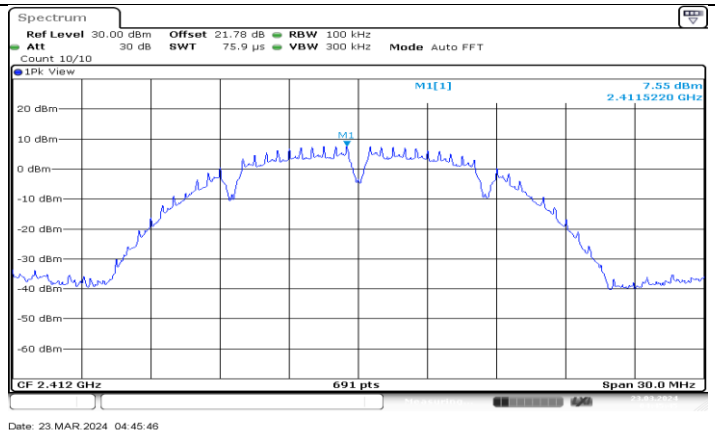
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

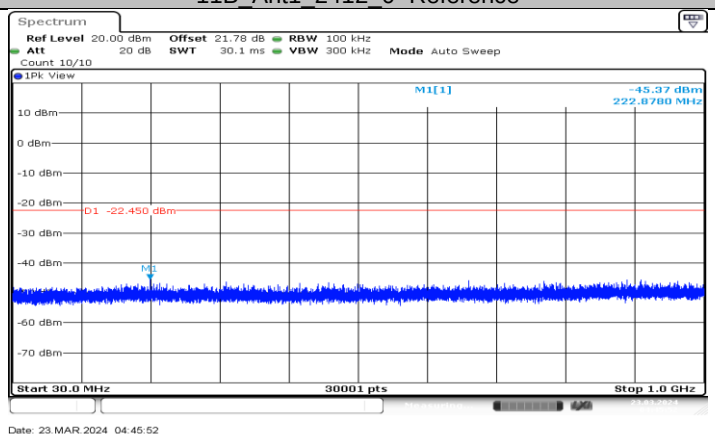
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.55	---	PASS
			30~1000	-45.37	≤-22.45	PASS
			1000~26500	-40.34	≤-22.45	PASS
	Ant2	2412	Reference	6.80	---	PASS
			30~1000	-45.12	≤-23.2	PASS
			1000~26500	-39.55	≤-23.2	PASS
	Ant1	2437	Reference	7.48	---	PASS
			30~1000	-45.38	≤-22.52	PASS
			1000~26500	-40.58	≤-22.52	PASS
	Ant2	2437	Reference	7.25	---	PASS
			30~1000	-45.76	≤-22.75	PASS
			1000~26500	-39.89	≤-22.75	PASS
	Ant1	2462	Reference	7.35	---	PASS
			30~1000	-45.49	≤-22.65	PASS
			1000~26500	-40.45	≤-22.65	PASS
	Ant2	2462	Reference	6.59	---	PASS
			30~1000	-45.81	≤-23.41	PASS
			1000~26500	-40.22	≤-23.41	PASS
11G	Ant1	2412	Reference	3.43	---	PASS
			30~1000	-45.46	≤-26.57	PASS
			1000~26500	-39.43	≤-26.57	PASS
	Ant2	2412	Reference	3.02	---	PASS
			30~1000	-45.8	≤-26.98	PASS
			1000~26500	-40.61	≤-26.98	PASS
	Ant1	2437	Reference	3.27	---	PASS
			30~1000	-45.63	≤-26.73	PASS
			1000~26500	-40.22	≤-26.73	PASS
	Ant2	2437	Reference	3.10	---	PASS
			30~1000	-46.03	≤-26.9	PASS
			1000~26500	-40.28	≤-26.9	PASS
	Ant1	2462	Reference	1.94	---	PASS
			30~1000	-45.23	≤-28.06	PASS
			1000~26500	-40.09	≤-28.06	PASS
	Ant2	2462	Reference	3.03	---	PASS
			30~1000	-44.98	≤-26.97	PASS
			1000~26500	-40.78	≤-26.97	PASS
11N20MIMO	Ant1	2412	Reference	0.84	---	PASS
			30~1000	-45.19	≤-29.16	PASS
			1000~26500	-40.42	≤-29.16	PASS
	Ant2	2412	Reference	1.28	---	PASS
			30~1000	-44.69	≤-28.72	PASS
			1000~26500	-40.55	≤-28.72	PASS
	Ant1	2437	Reference	0.81	---	PASS
			30~1000	-45.63	≤-29.19	PASS
			1000~26500	-40.54	≤-29.19	PASS
	Ant2	2437	Reference	1.02	---	PASS
			30~1000	-45.08	≤-28.98	PASS
			1000~26500	-40.9	≤-28.98	PASS
	Ant1	2462	Reference	1.52	---	PASS
			30~1000	-45.65	≤-28.48	PASS
			1000~26500	-39.59	≤-28.48	PASS
	Ant2	2462	Reference	0.46	---	PASS
			30~1000	-45.85	≤-29.54	PASS
			1000~26500	-40.78	≤-29.54	PASS
11N40MIMO	Ant1	2422	Reference	-1.51	---	PASS
			30~1000	-45.1	≤-31.51	PASS
			1000~26500	-40.75	≤-31.51	PASS
	Ant2	2422	Reference	-1.87	---	PASS

			30~1000	-45.8	≤-31.87	PASS
			1000~26500	-40.53	≤-31.87	PASS
	Ant1	2437	Reference	-1.72	---	PASS
			30~1000	-45.45	≤-31.72	PASS
			1000~26500	-40.37	≤-31.72	PASS
	Ant2	2437	Reference	-1.69	---	PASS
			30~1000	-45.59	≤-31.69	PASS
			1000~26500	-40.2	≤-31.69	PASS
	Ant1	2452	Reference	-1.08	---	PASS
			30~1000	-45.44	≤-31.08	PASS
			1000~26500	-40.19	≤-31.08	PASS
	Ant2	2452	Reference	-1.93	---	PASS
			30~1000	-45.45	≤-31.93	PASS
			1000~26500	-40.65	≤-31.93	PASS

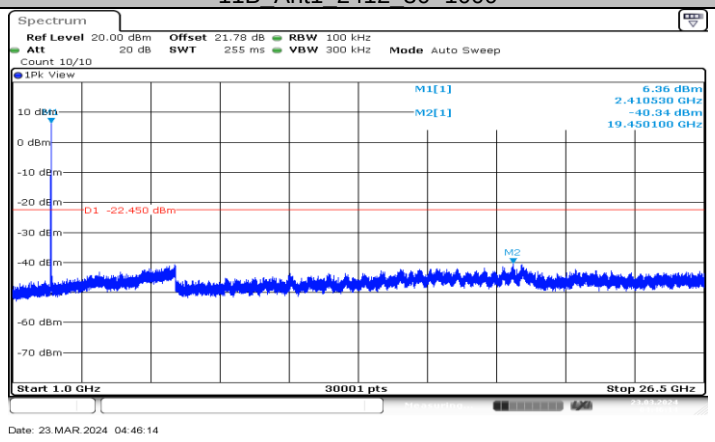
11.6.2. Test Graphs



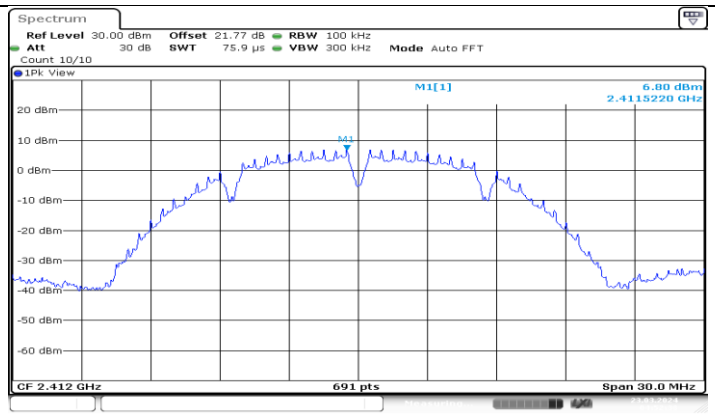
11B_Ant1_2412_0~Reference



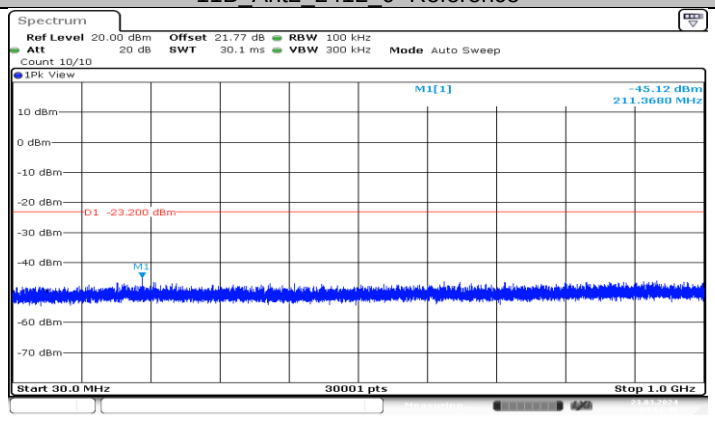
11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant2_2412_0~Reference



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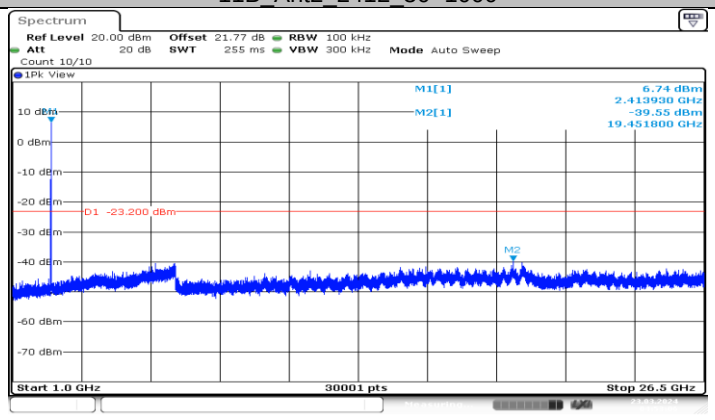

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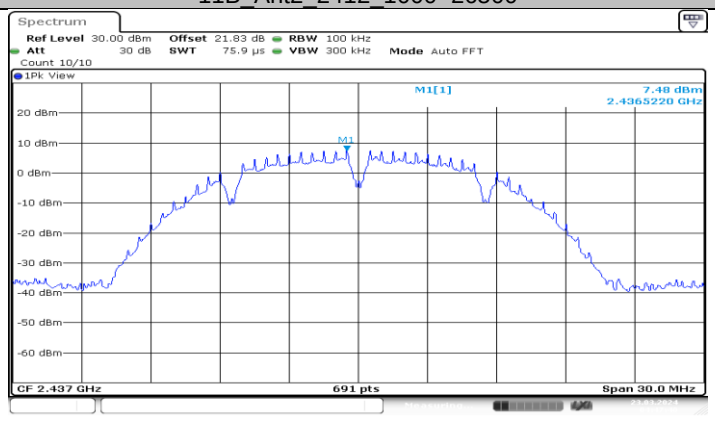

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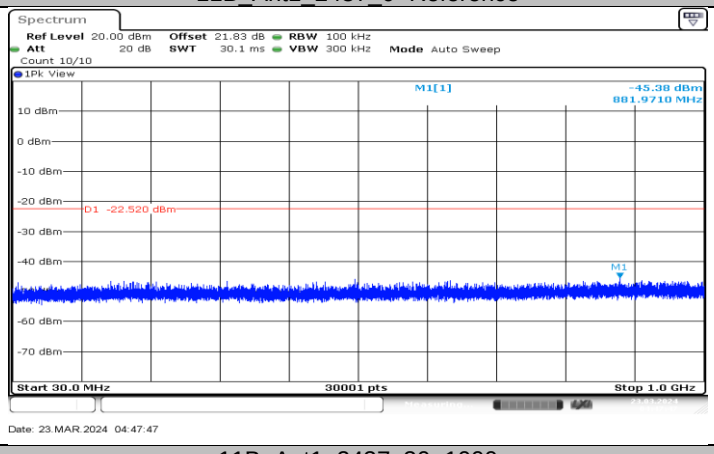

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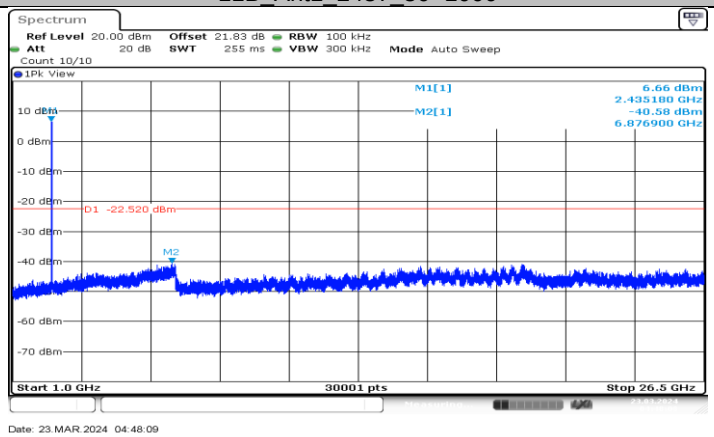

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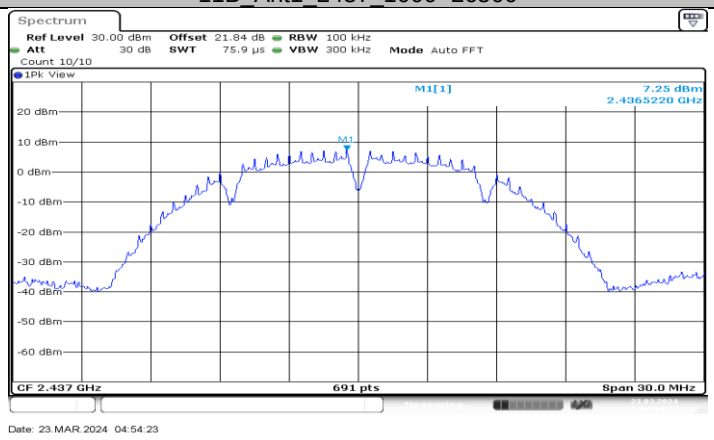

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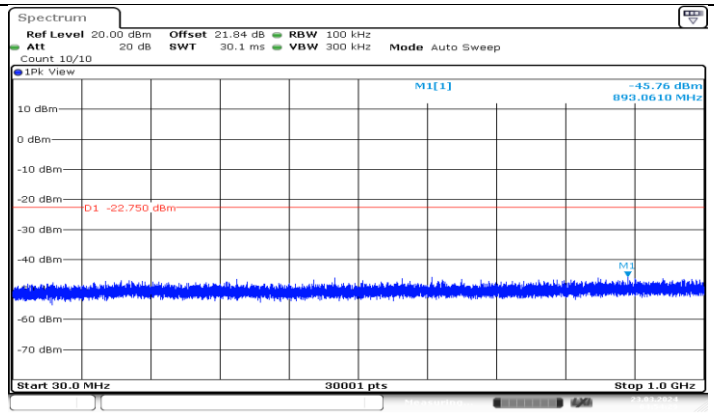

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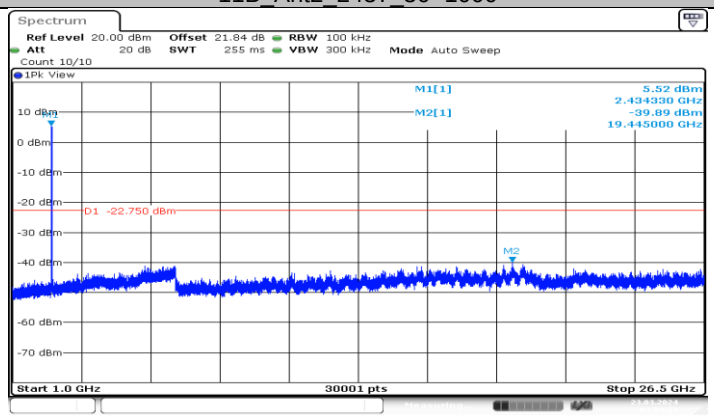

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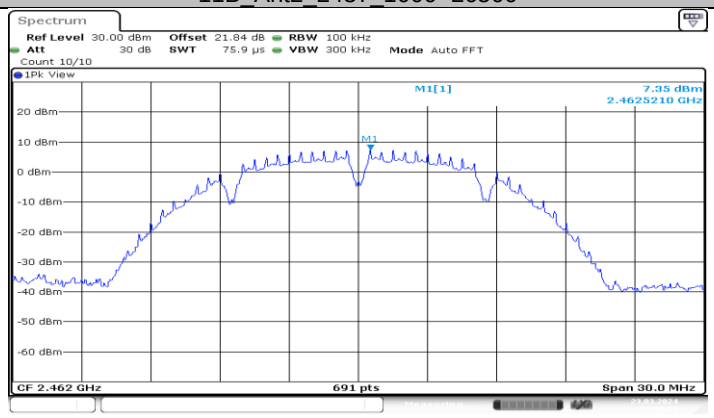

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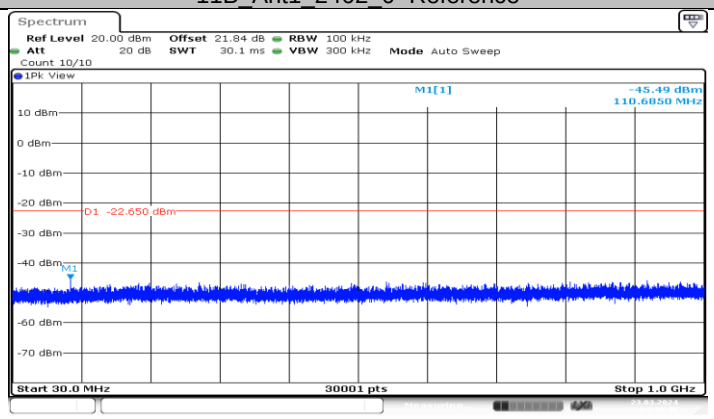

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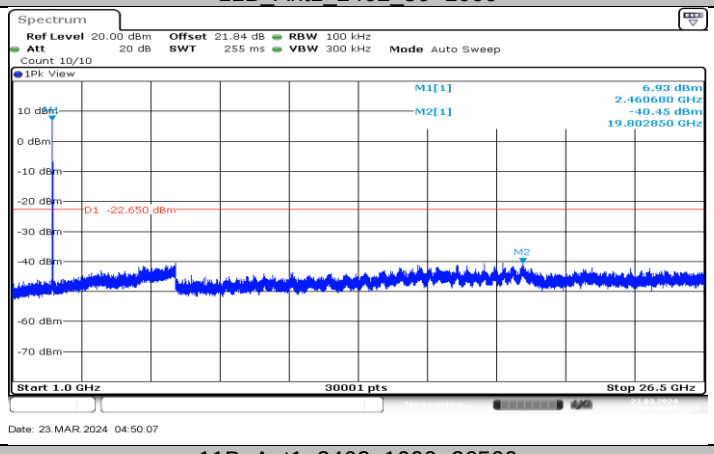

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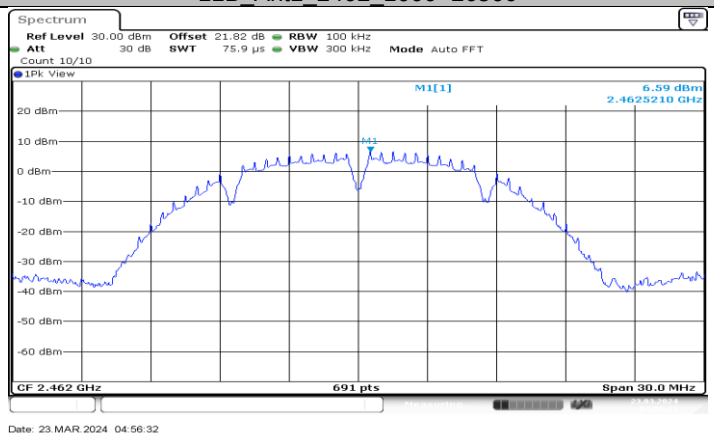

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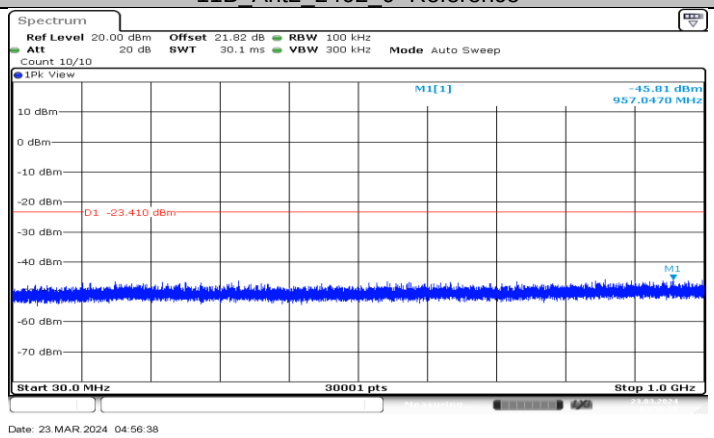

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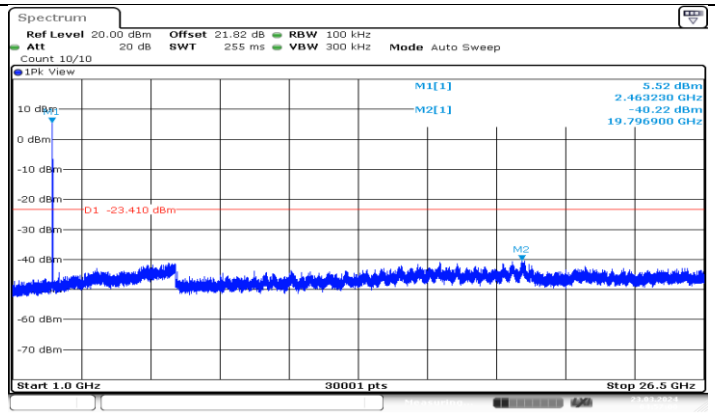

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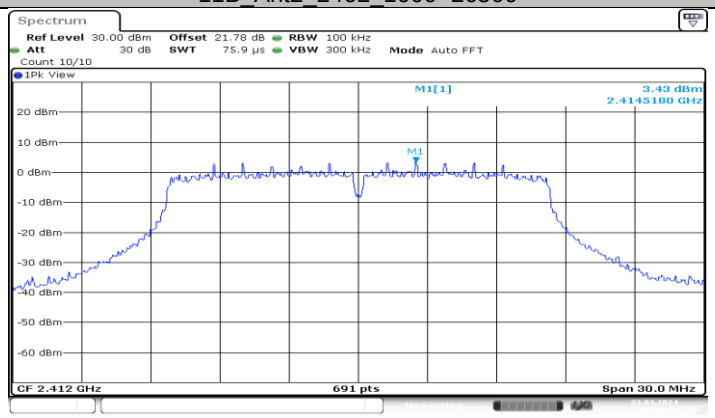

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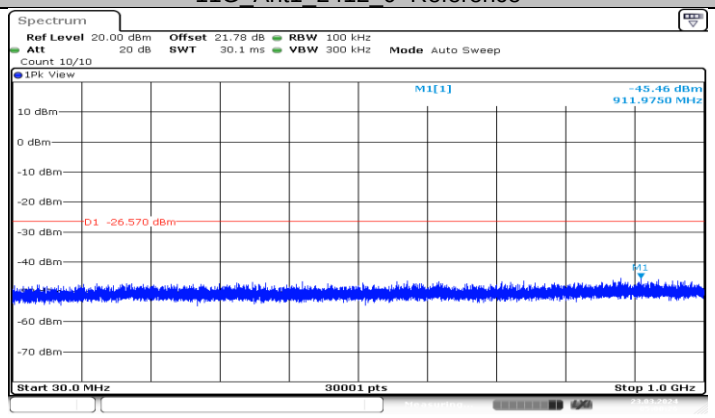

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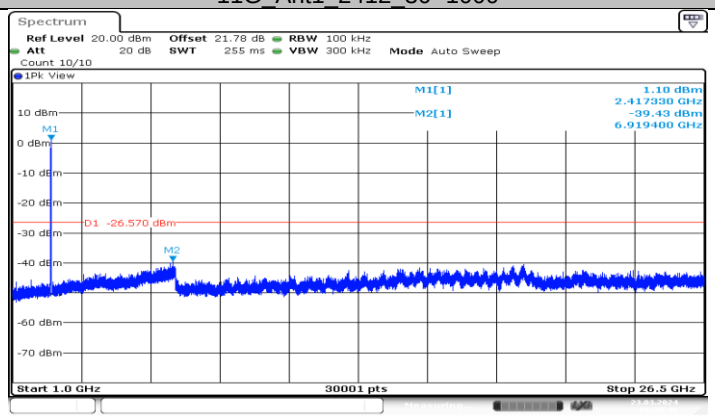

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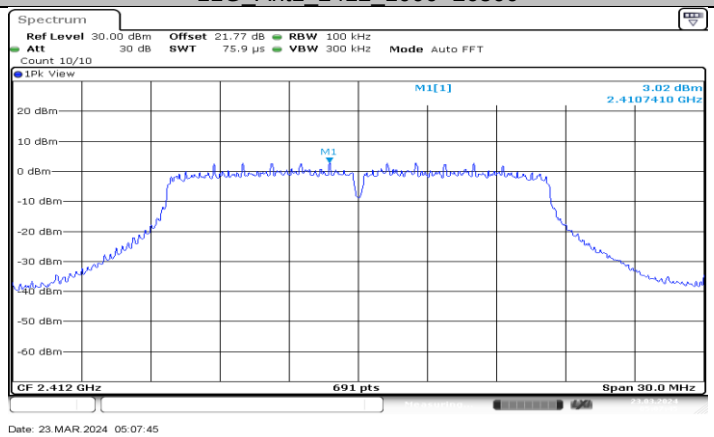

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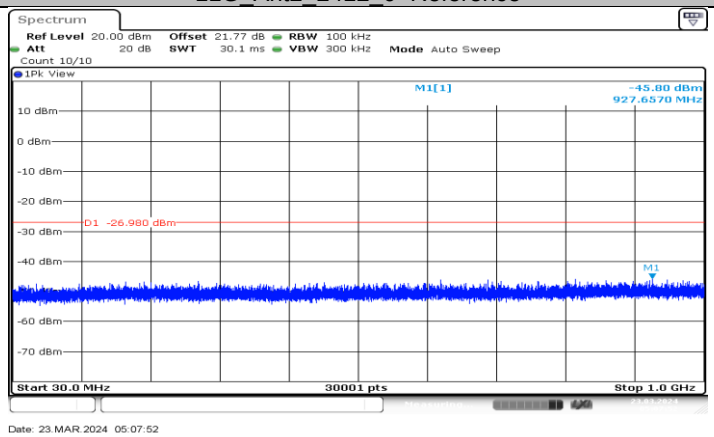

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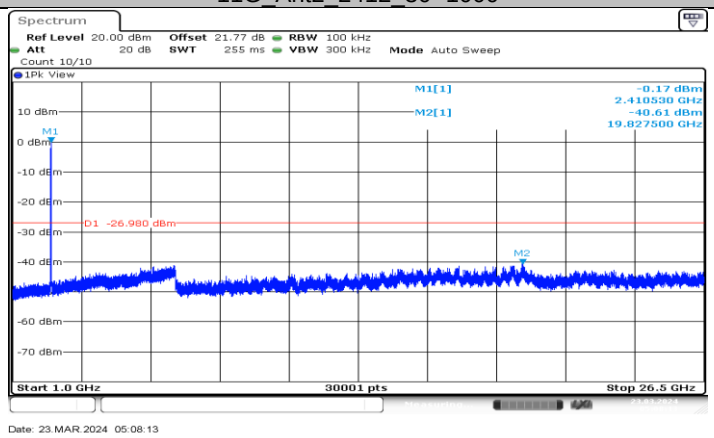

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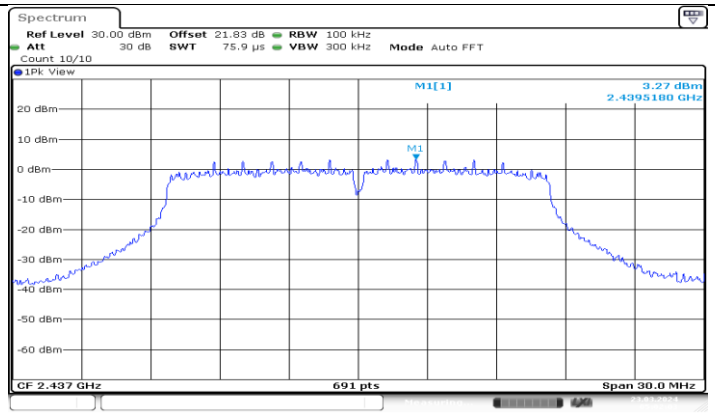

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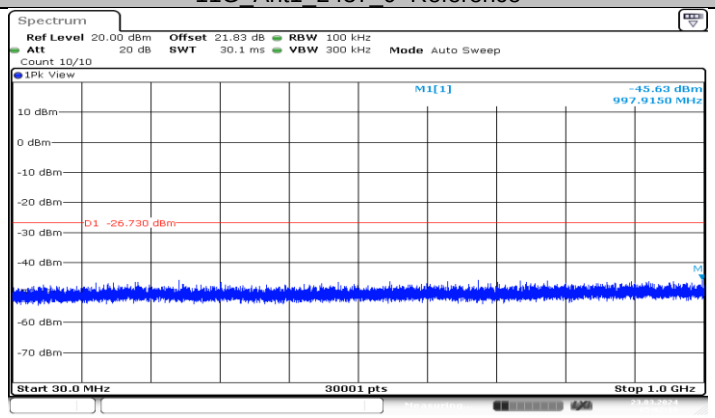

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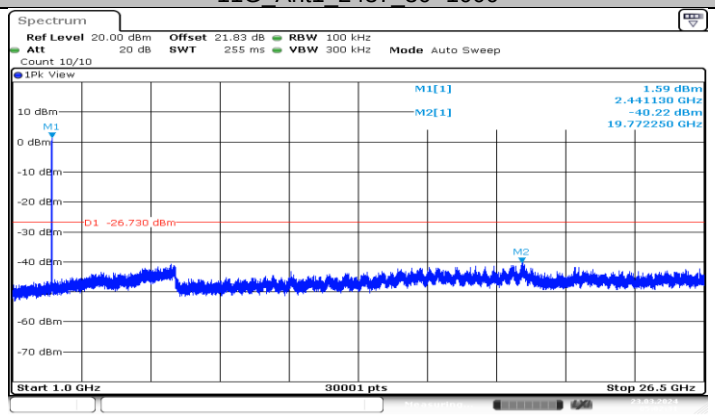

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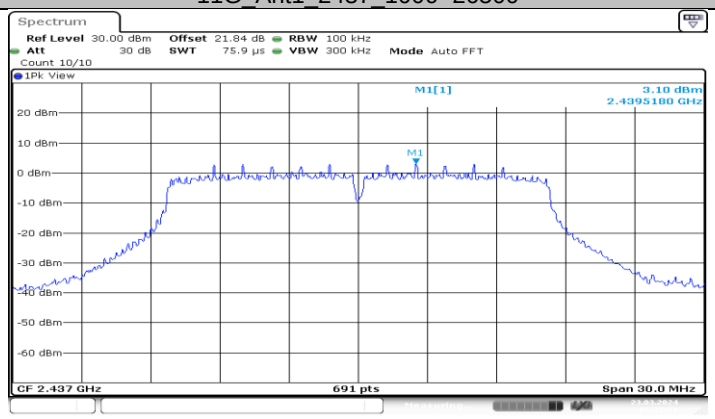

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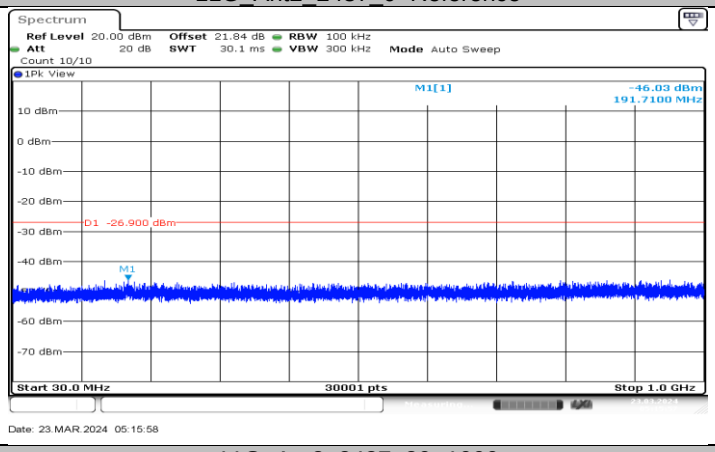
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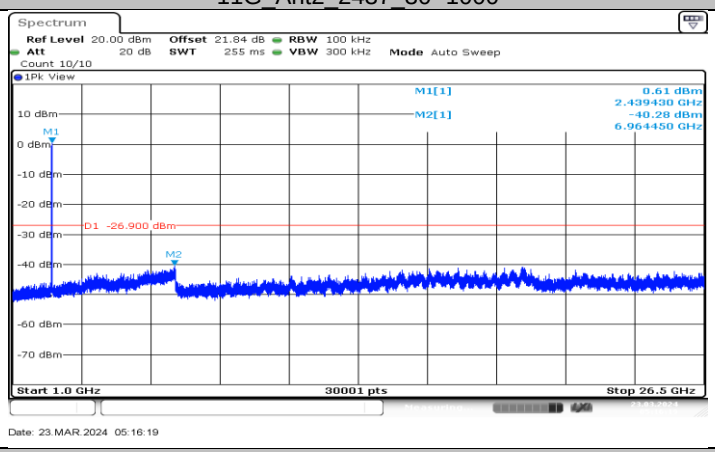
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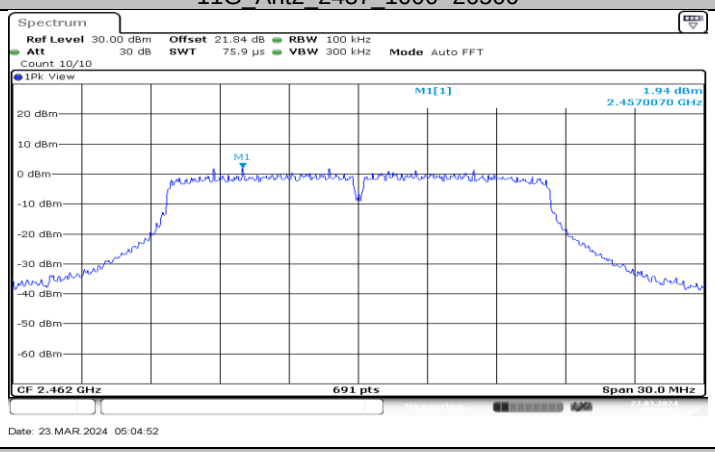
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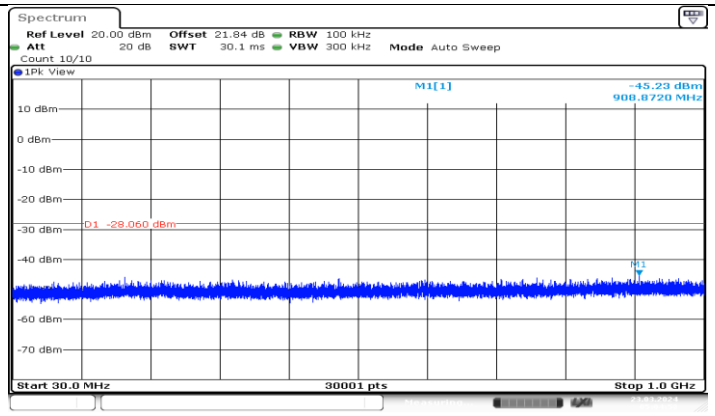

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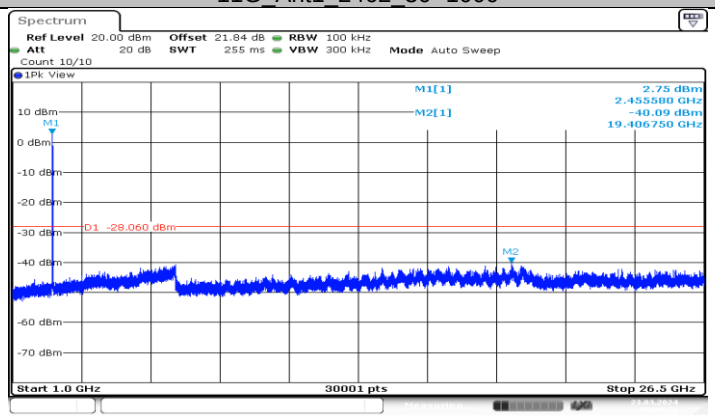

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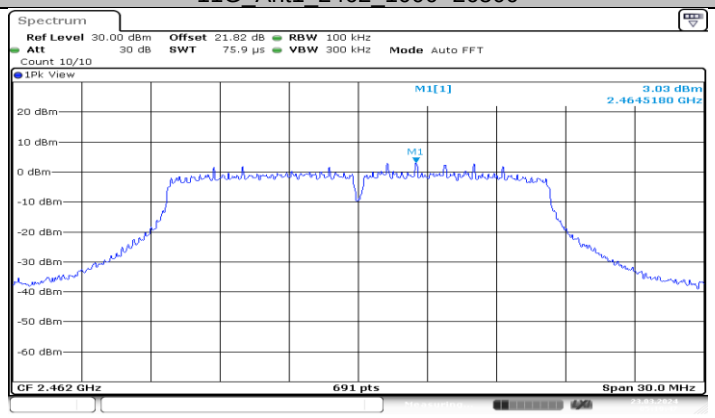

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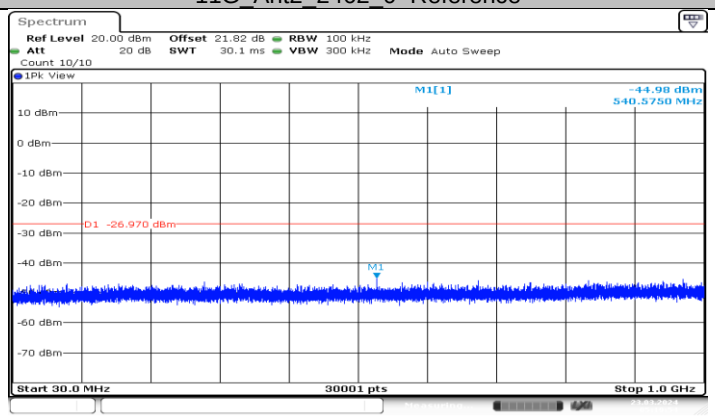

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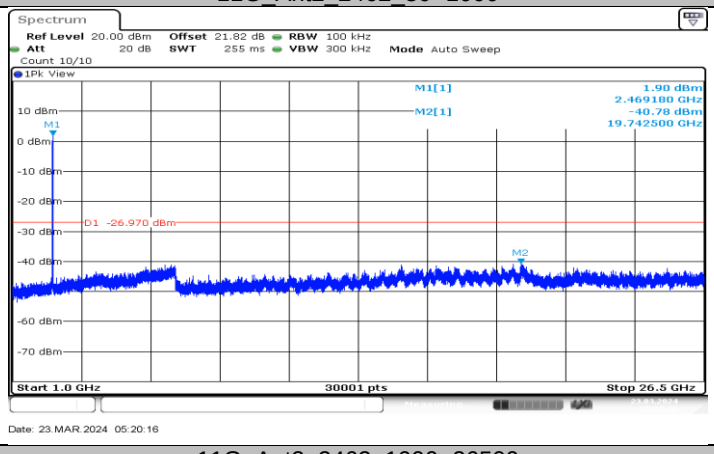

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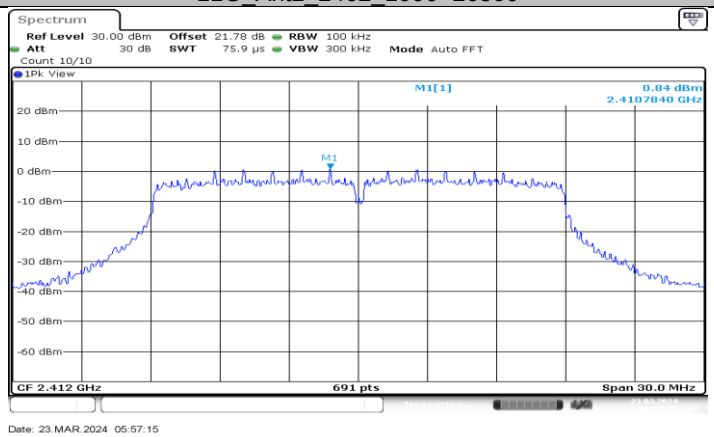

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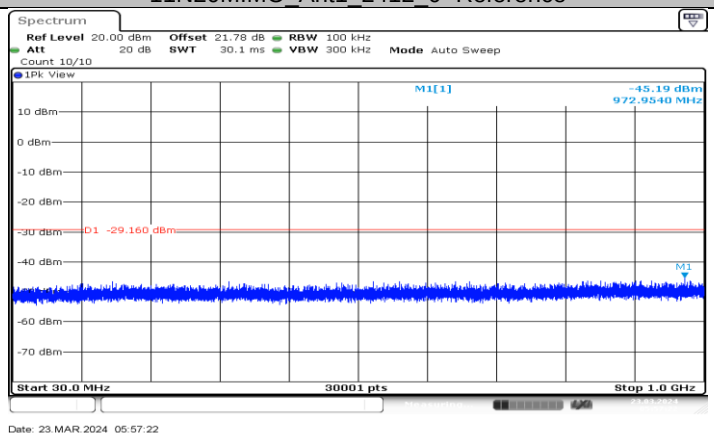

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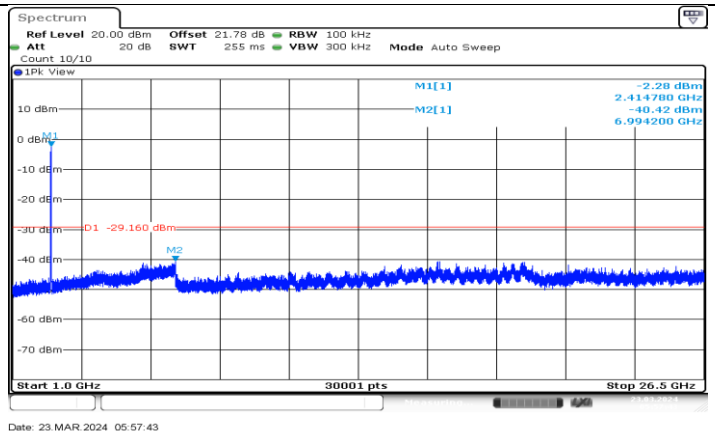

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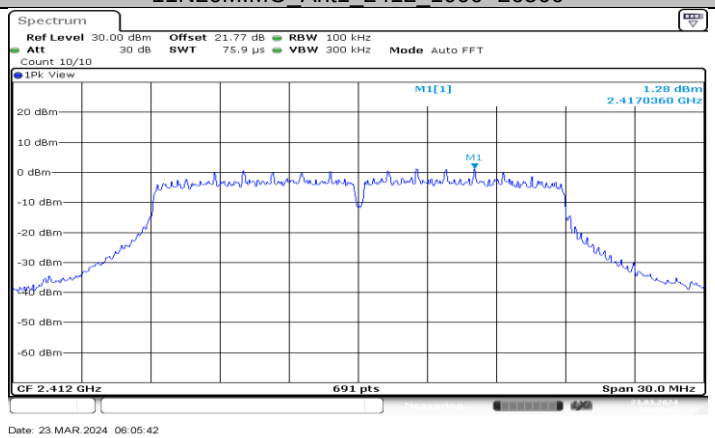

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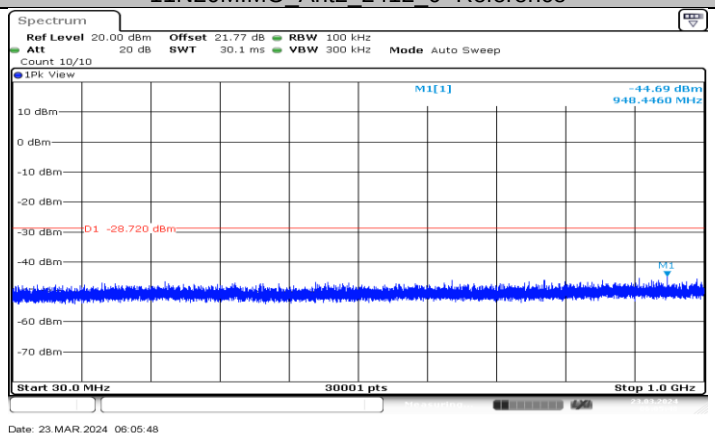

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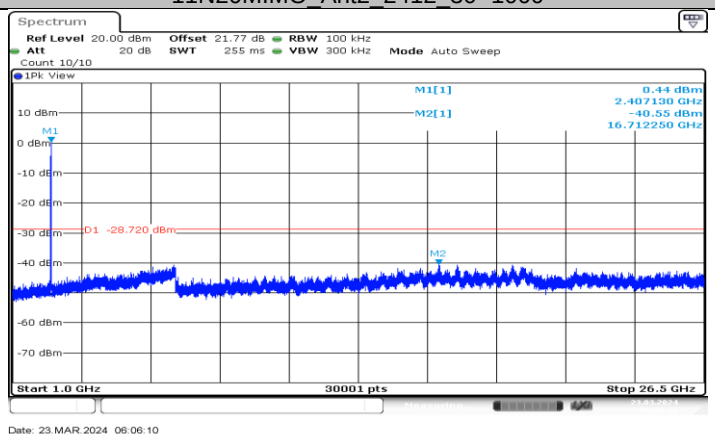

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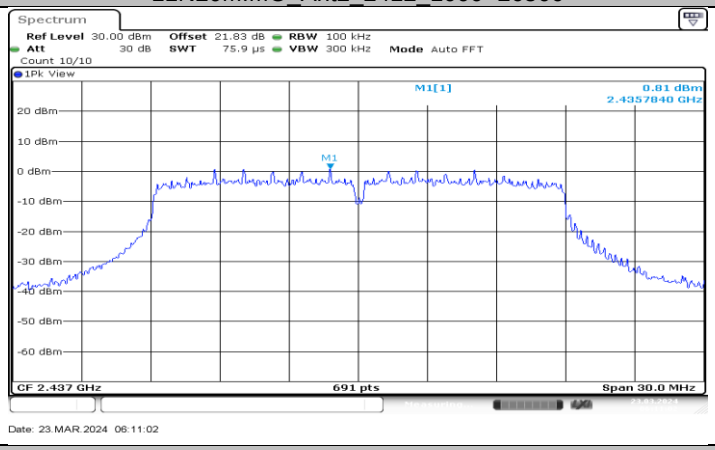
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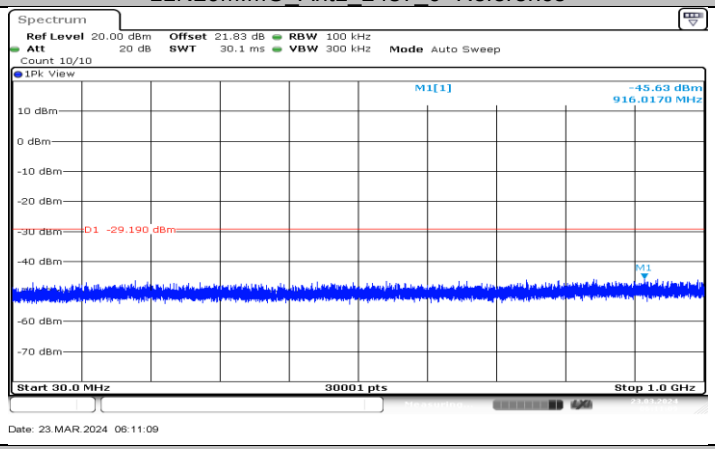
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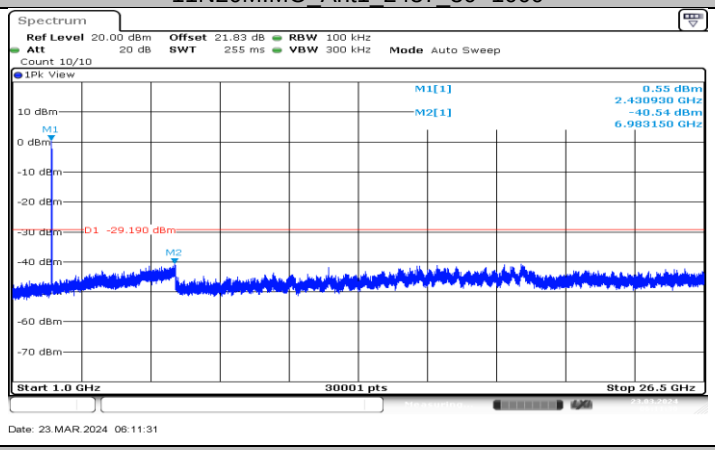
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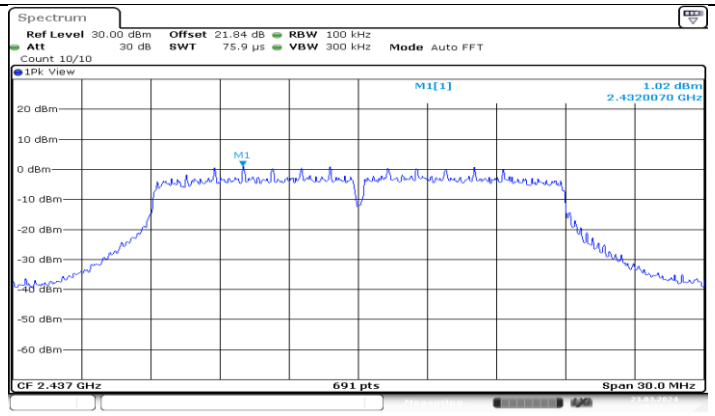

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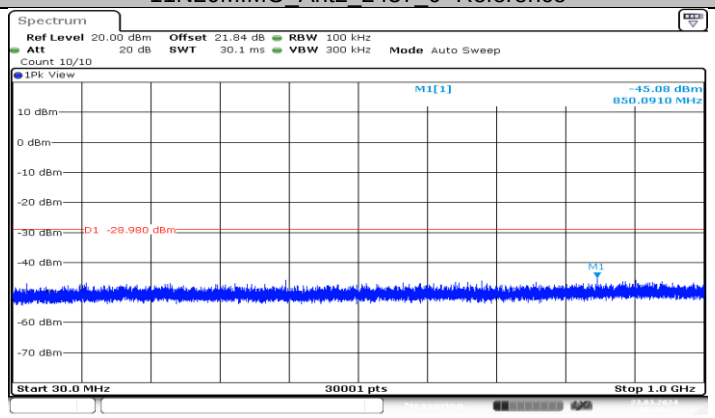

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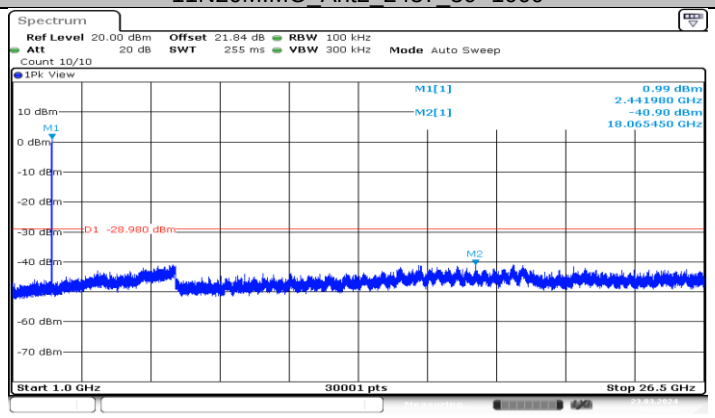

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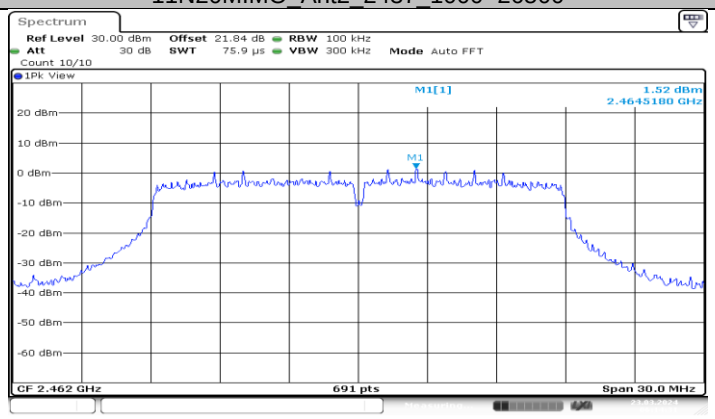

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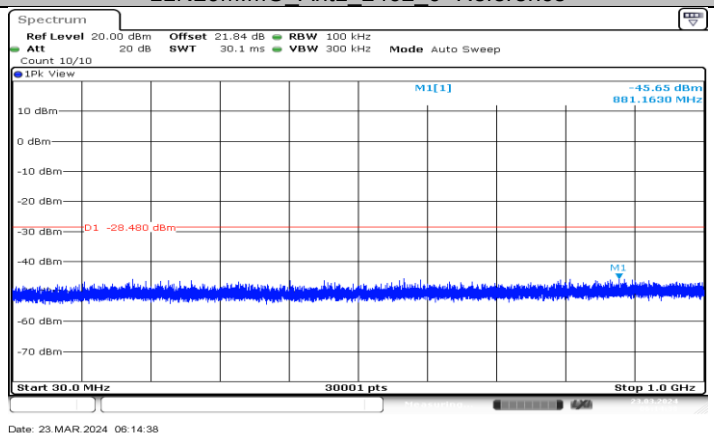

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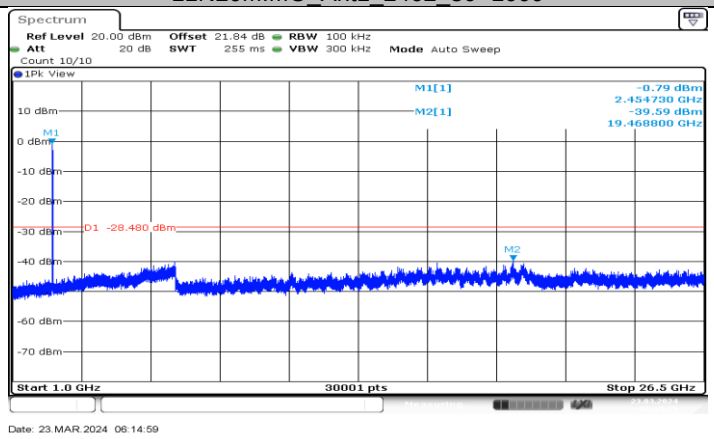

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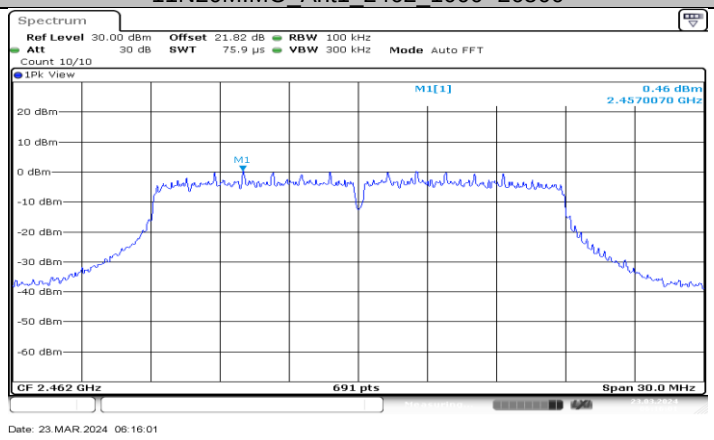

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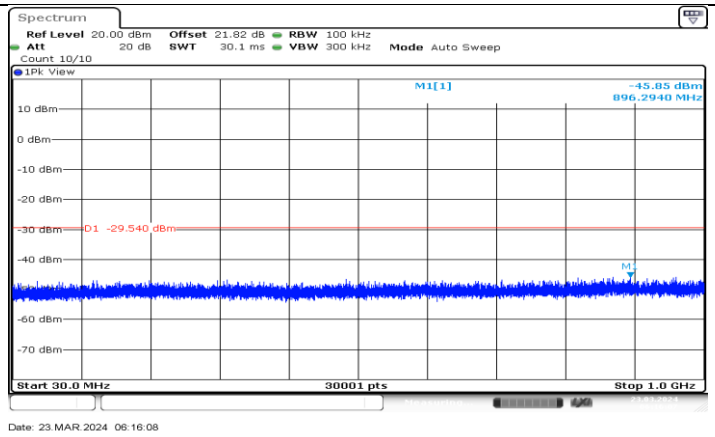

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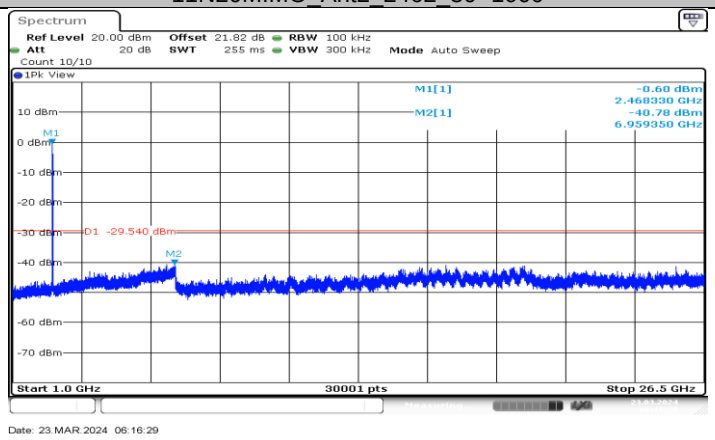

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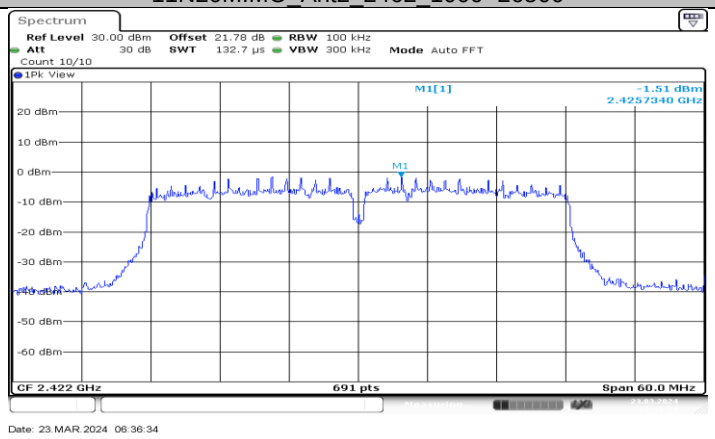

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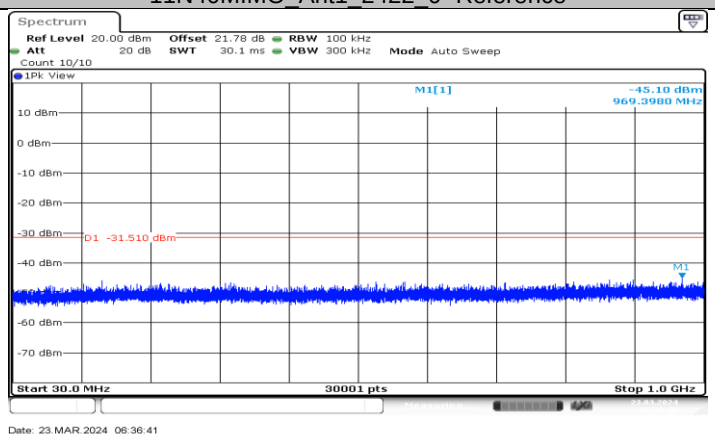

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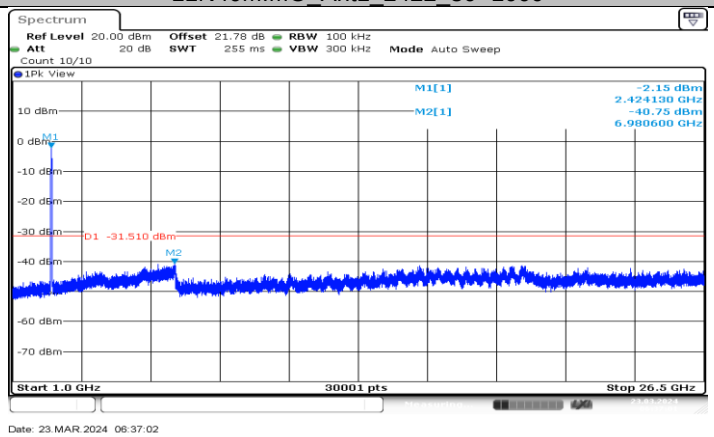

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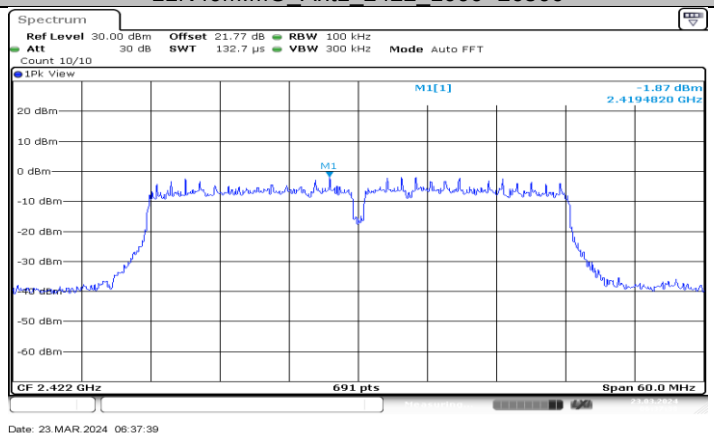

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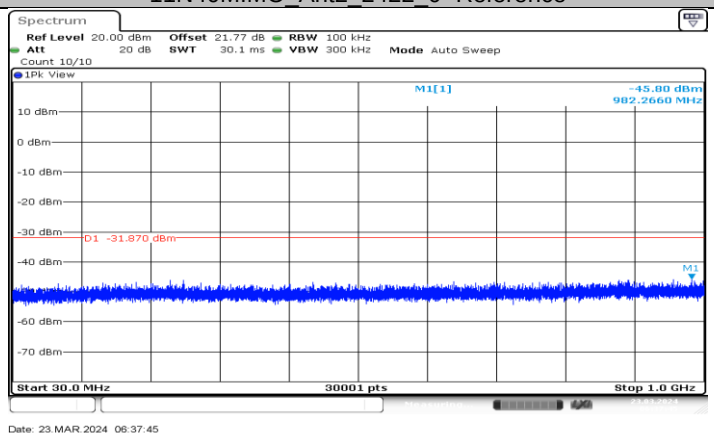

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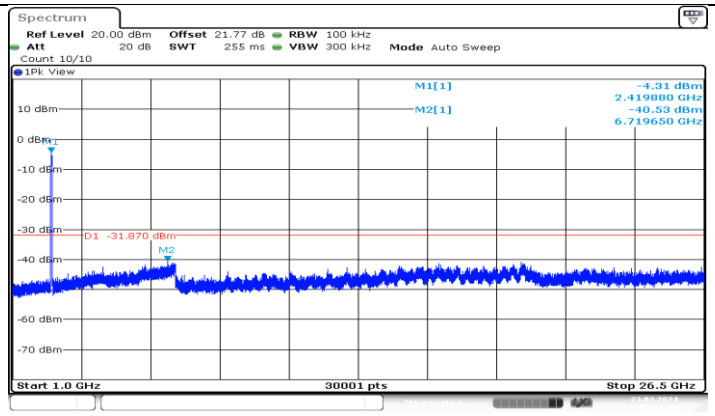

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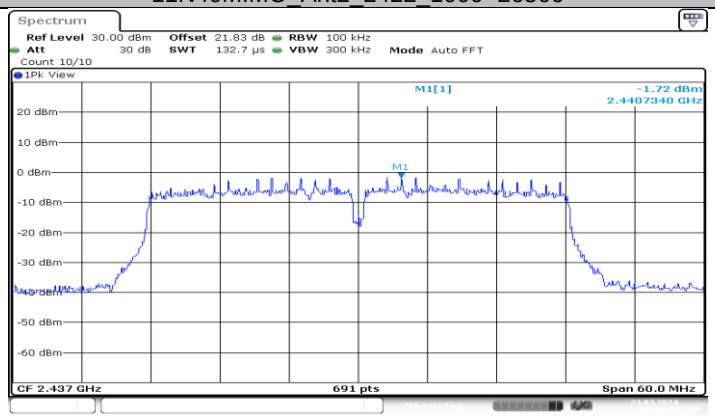
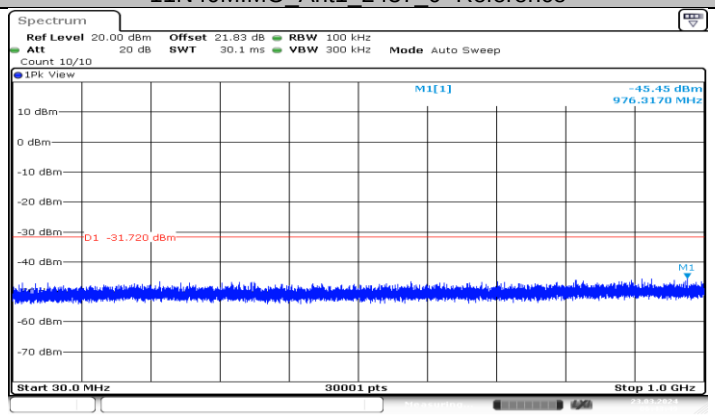


11N40MIMO_Ant1_2437_0~Reference



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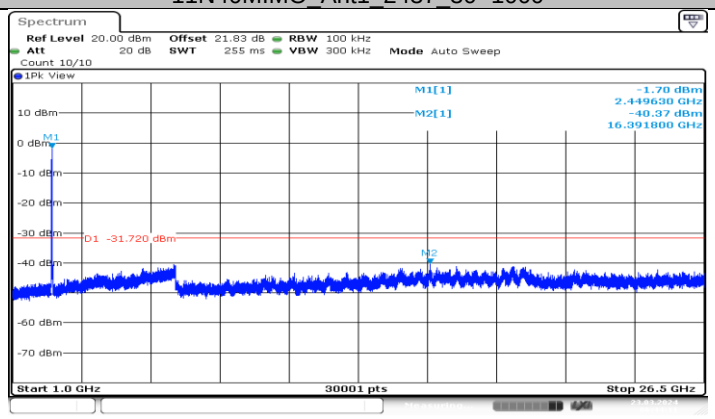

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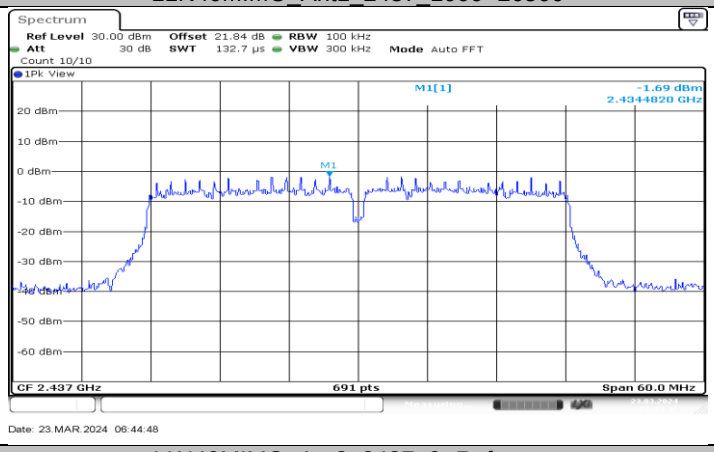

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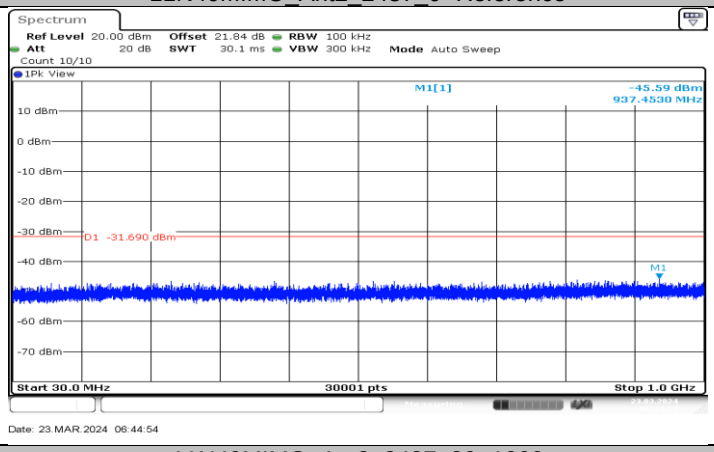

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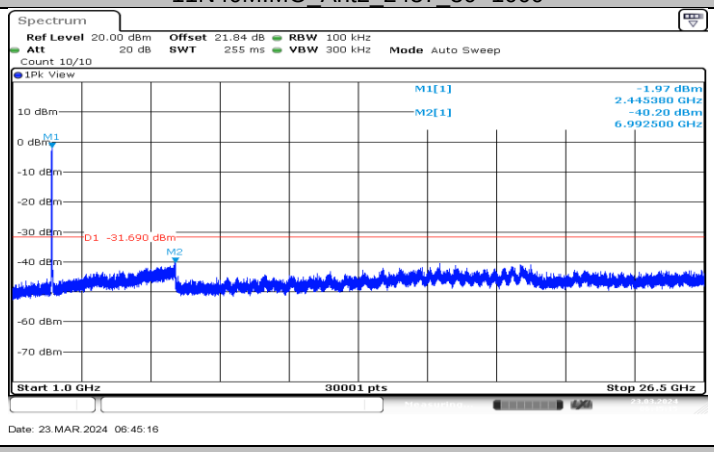

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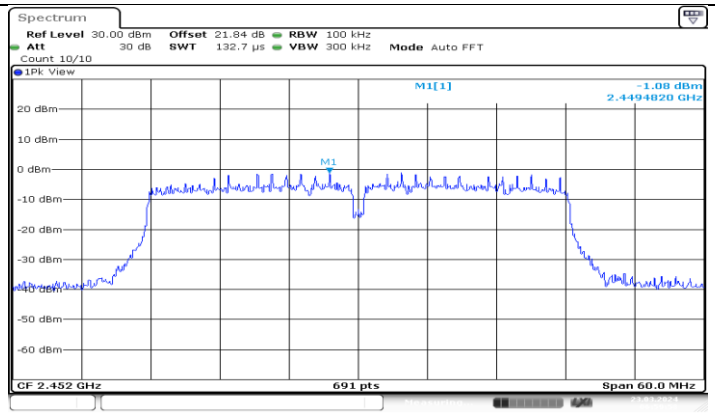
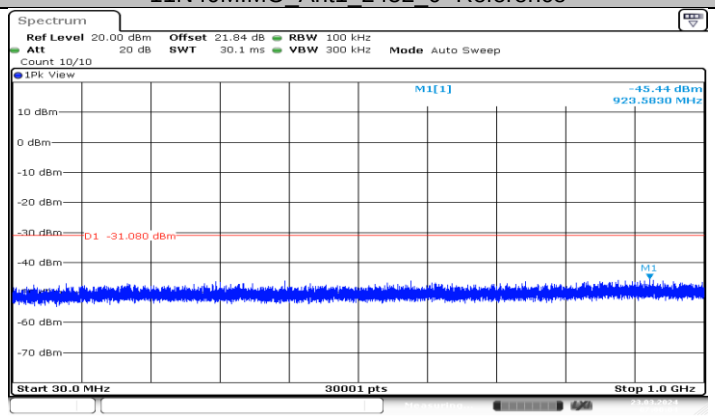


11N40MIMO_Ant1_2452_0~Reference



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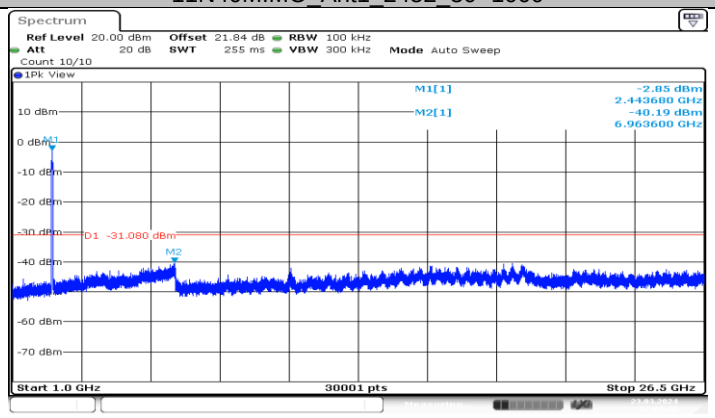

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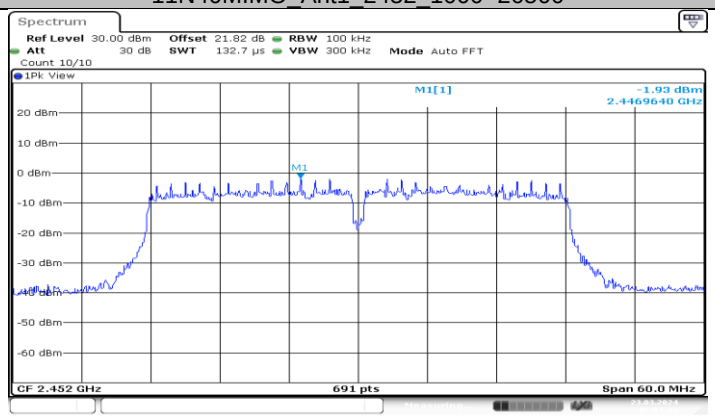

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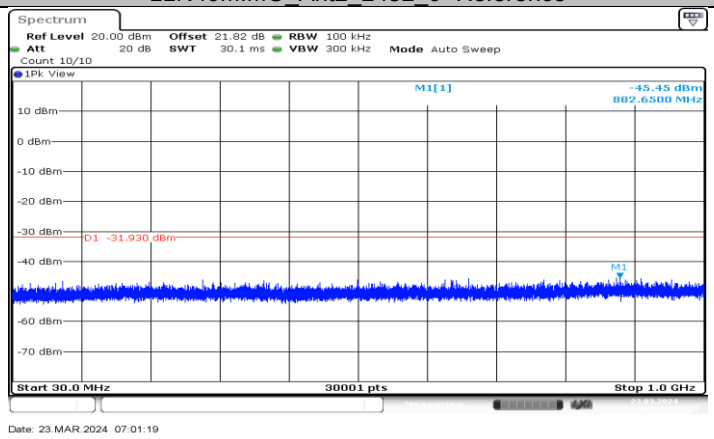
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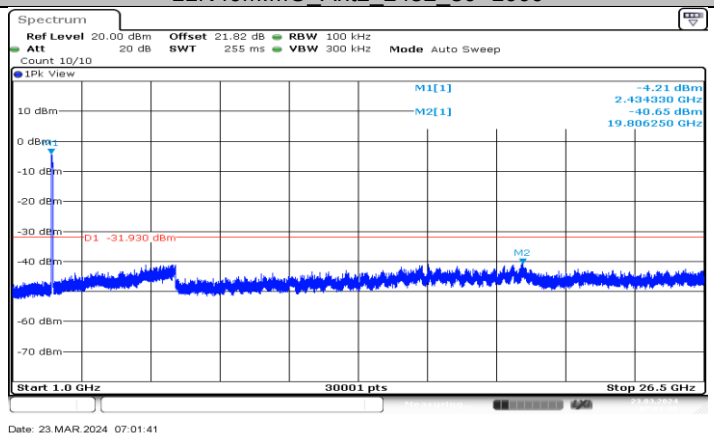

11N40MIMO_Ant2_2452_1000~26500

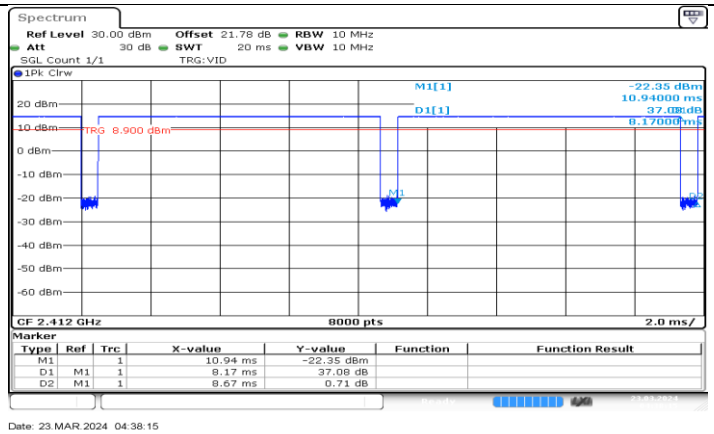
11.7. APPENDIX G: DUTY CYCLE

11.7.1. Test Result

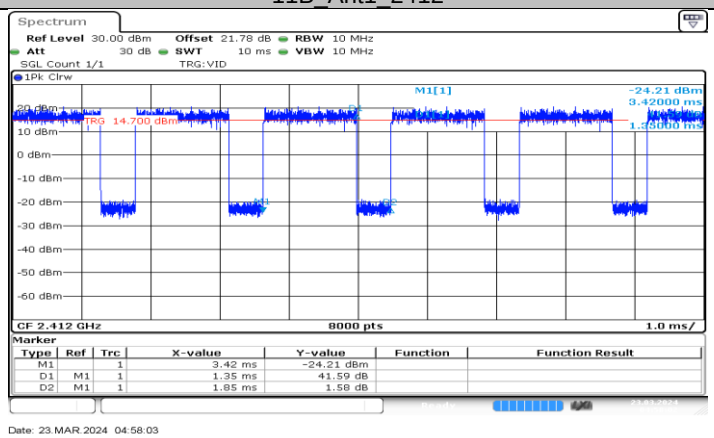
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	8.17	8.67	0.9423	94.23	0.26	0.12	1
11G	1.35	1.85	0.7297	72.97	1.37	0.74	1
11N20MIMO	1.27	1.77	0.7175	71.75	1.44	0.79	1
11N40MIMO	0.63	1.13	0.5575	55.75	2.54	1.59	2

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.

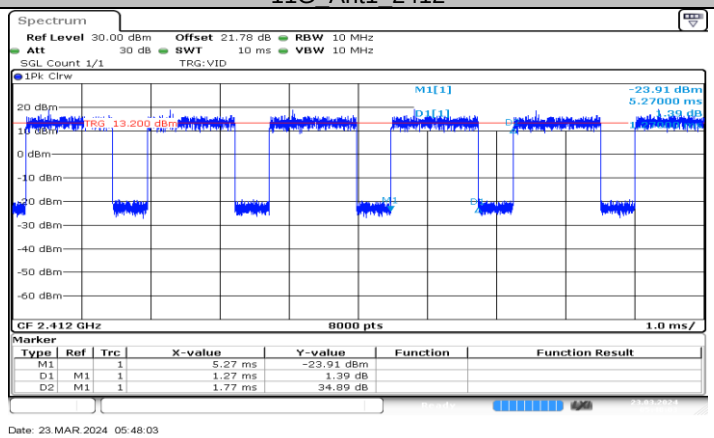
11.7.2. Test Graphs



11B_Ant1_2412



11G_Ant1_2412



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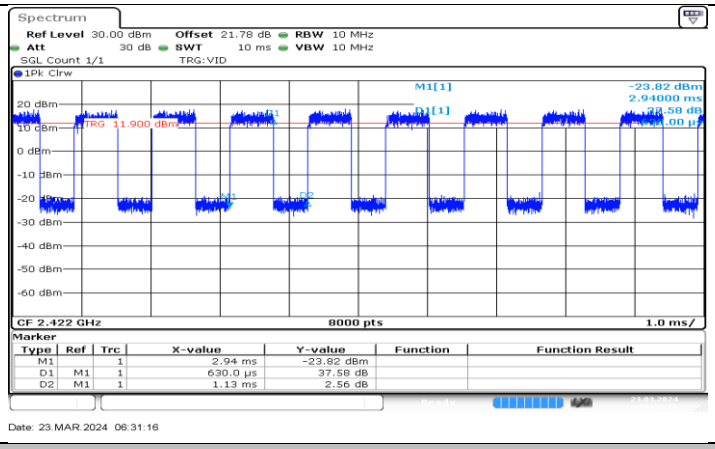

11N40MIMO_Ant1_2422

END OF REPORT