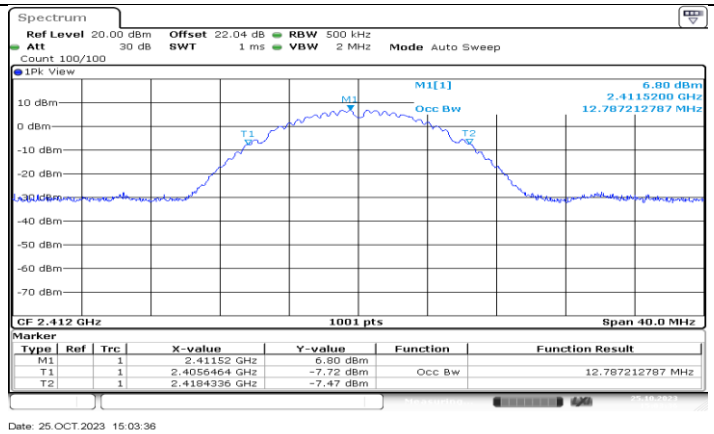
11.2.2. Test Graphs



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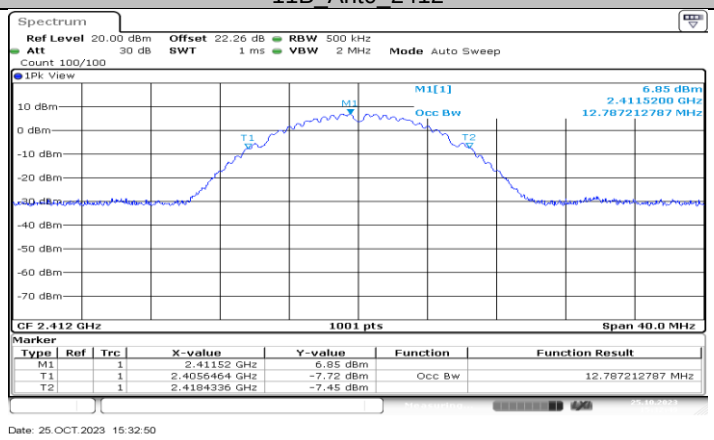

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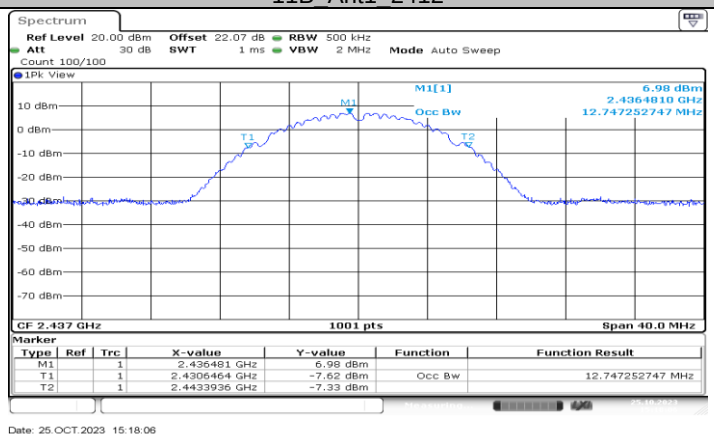

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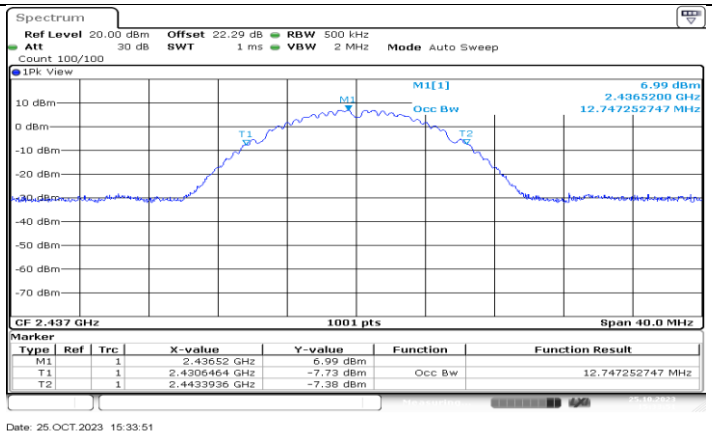

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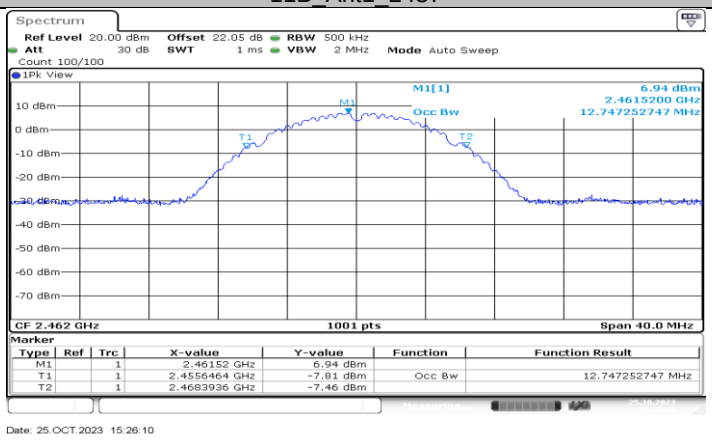

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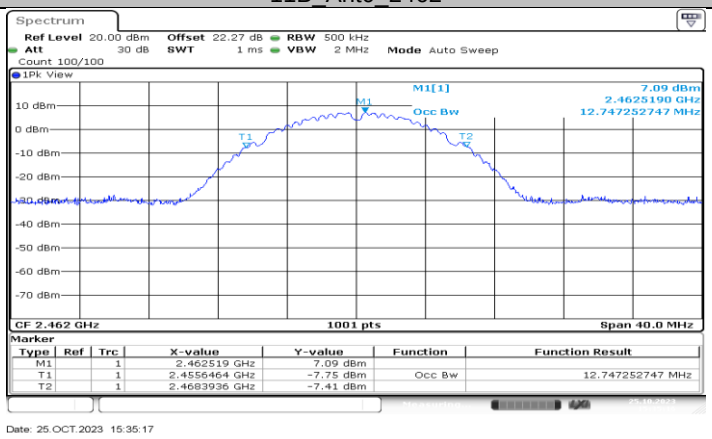

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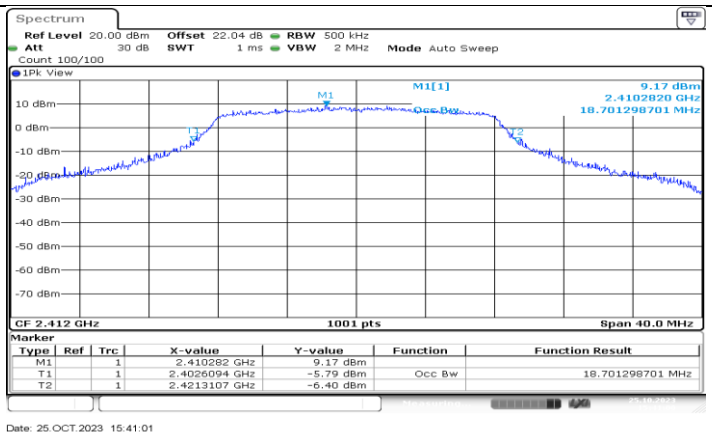

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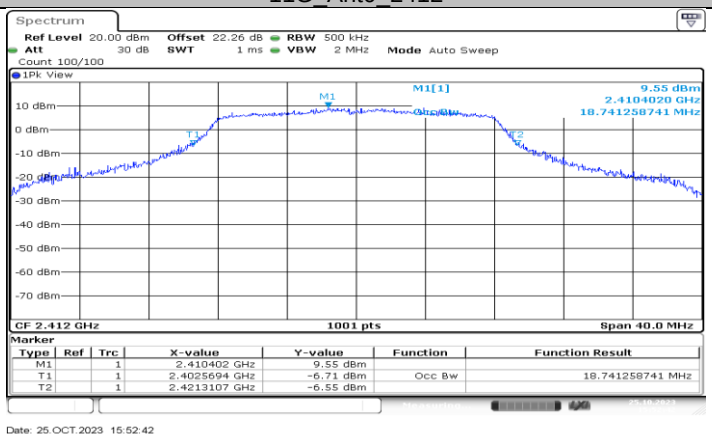

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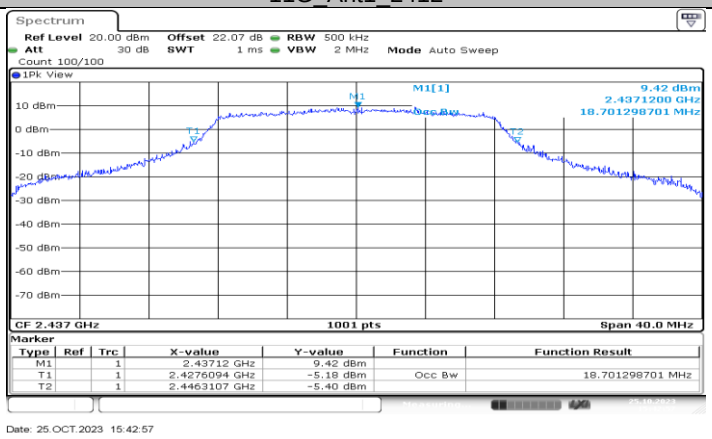

11G_Ant0_2437

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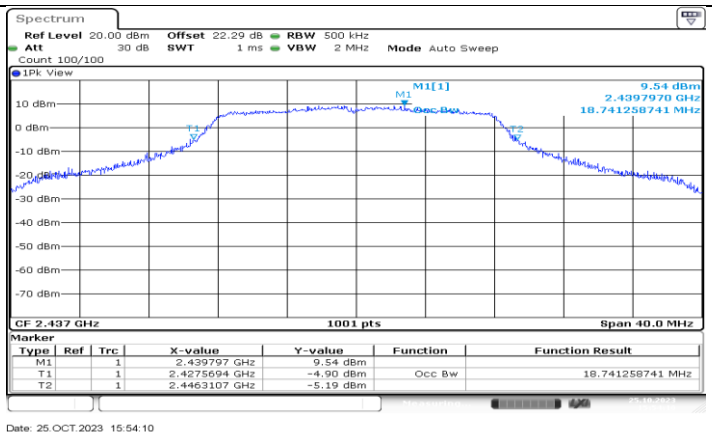

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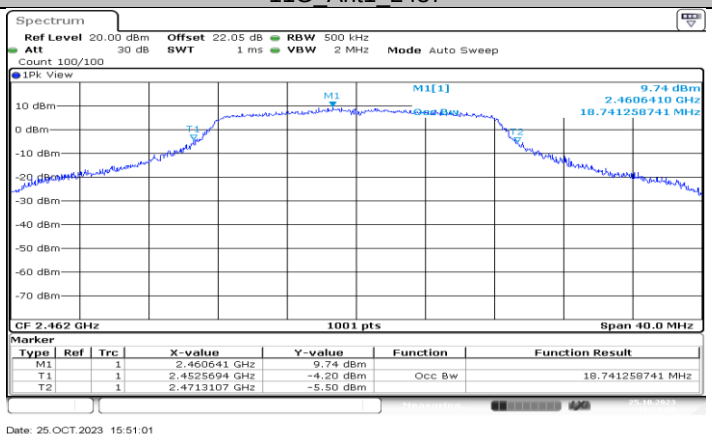

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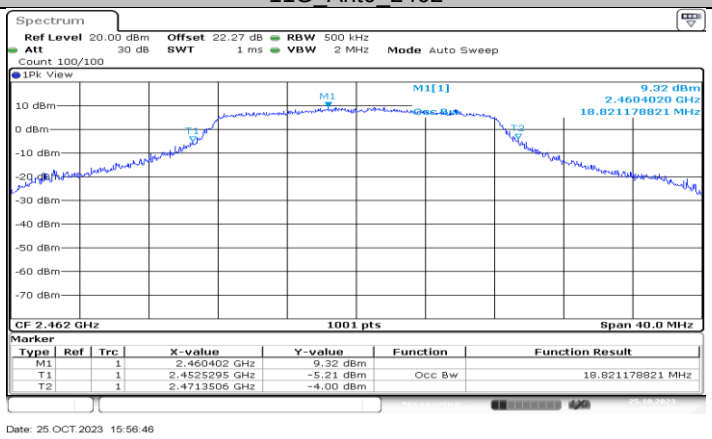

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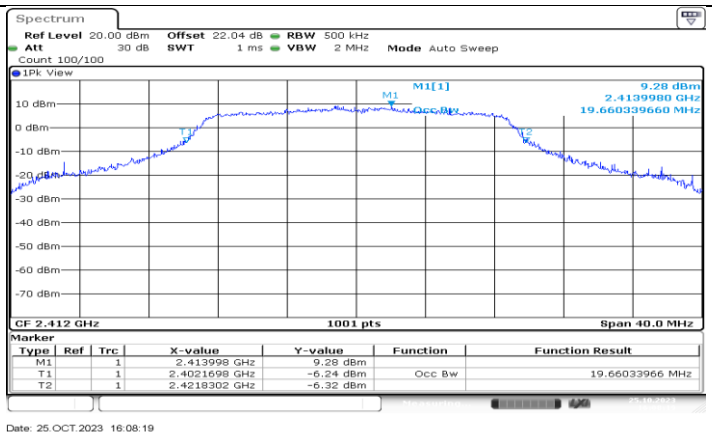

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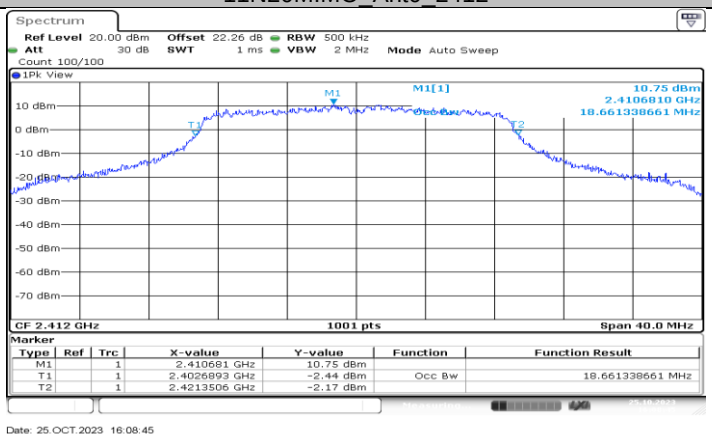

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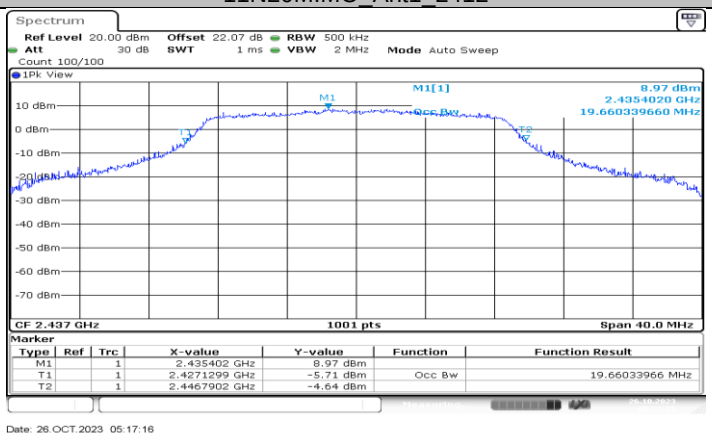

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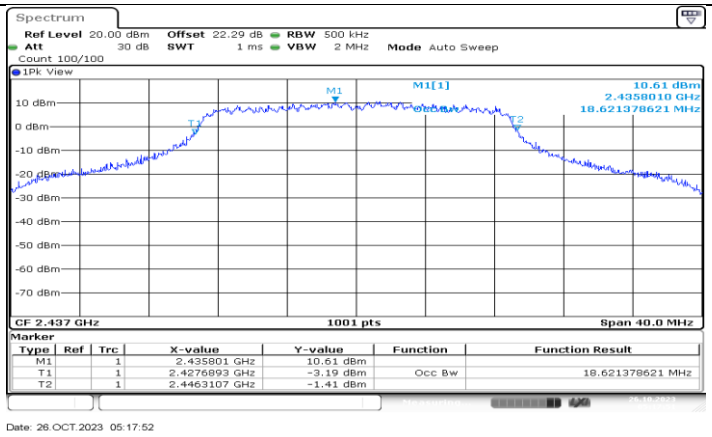

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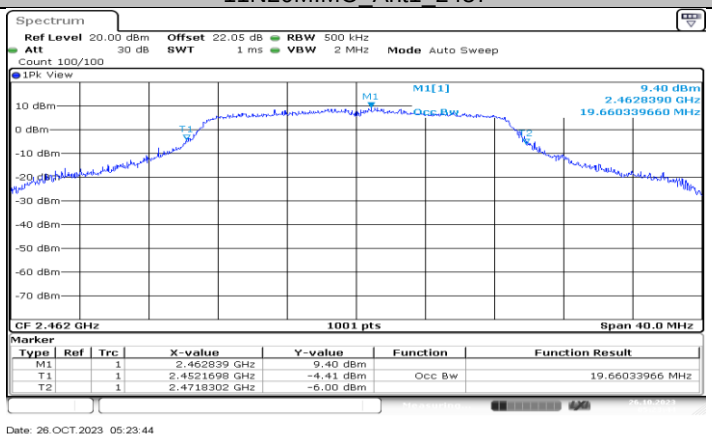

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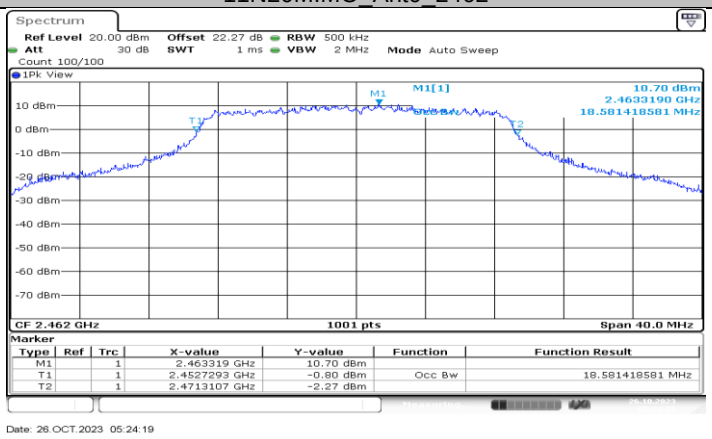

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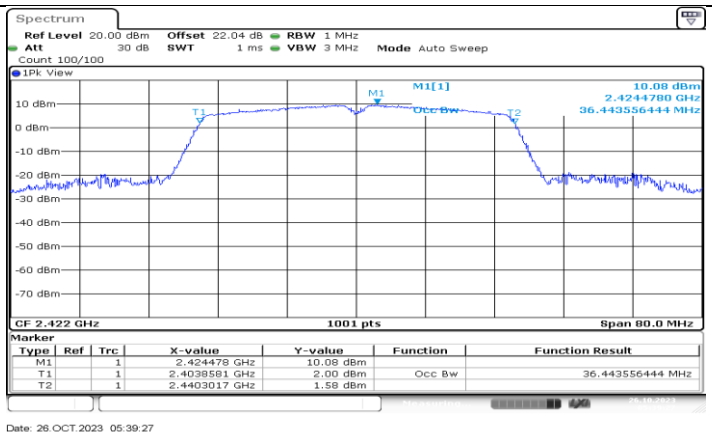

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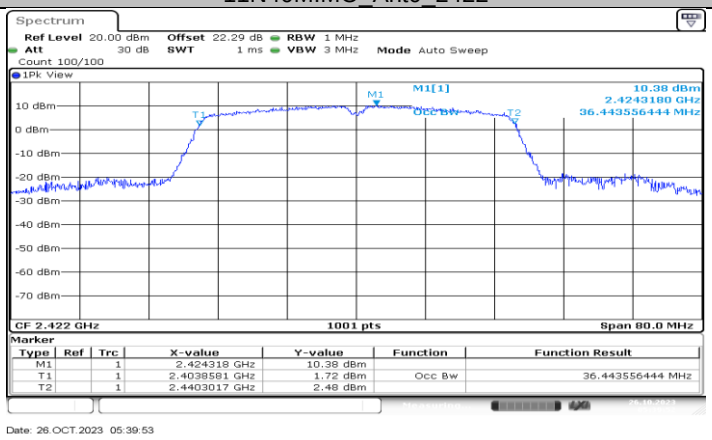

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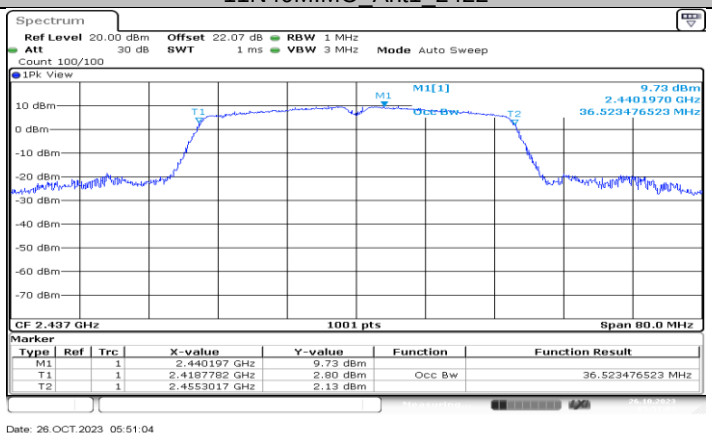

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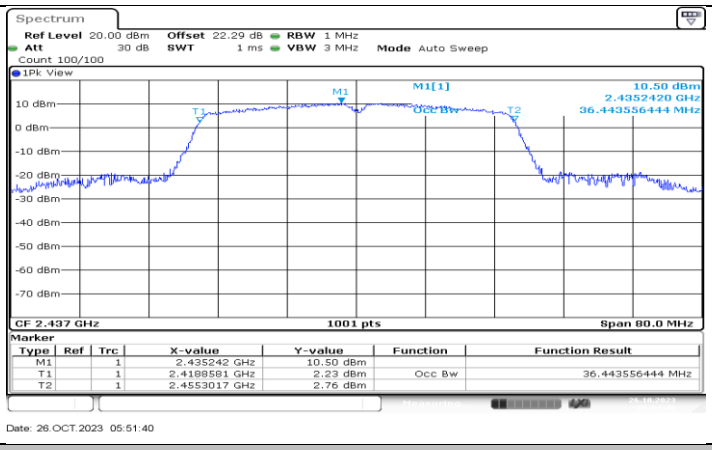

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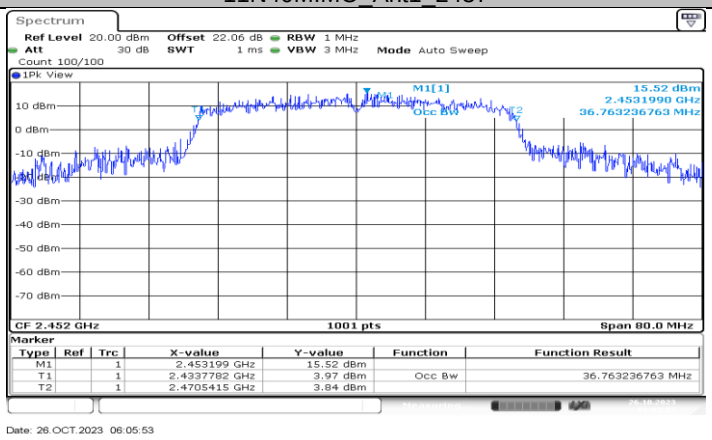

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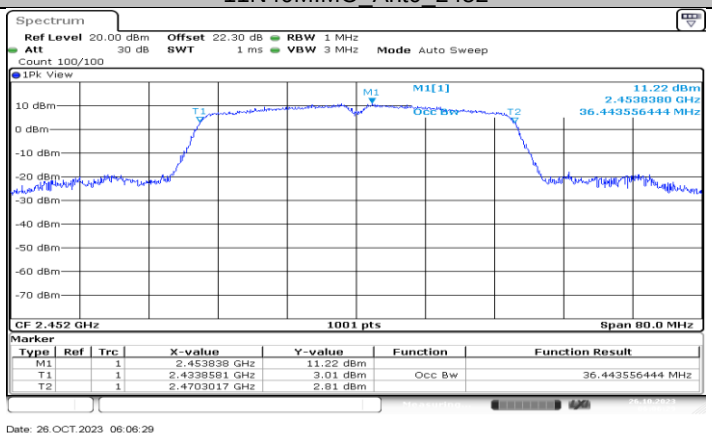

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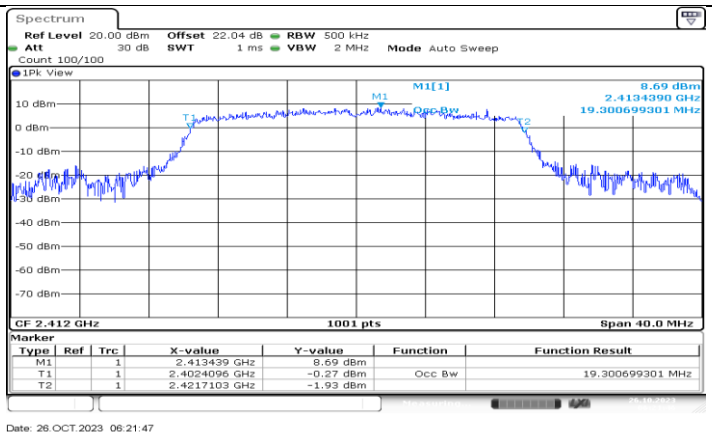

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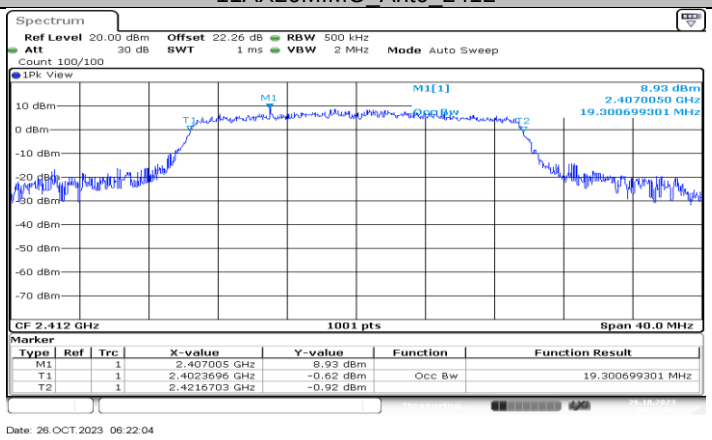

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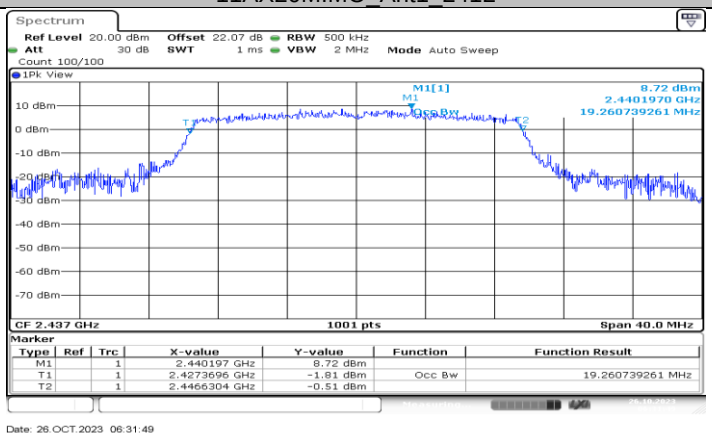

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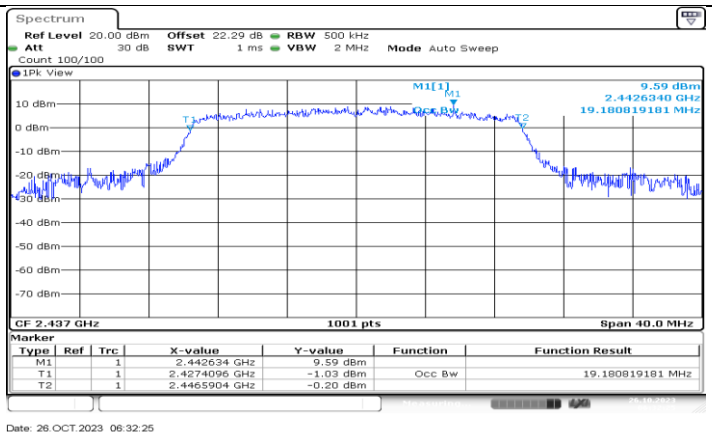

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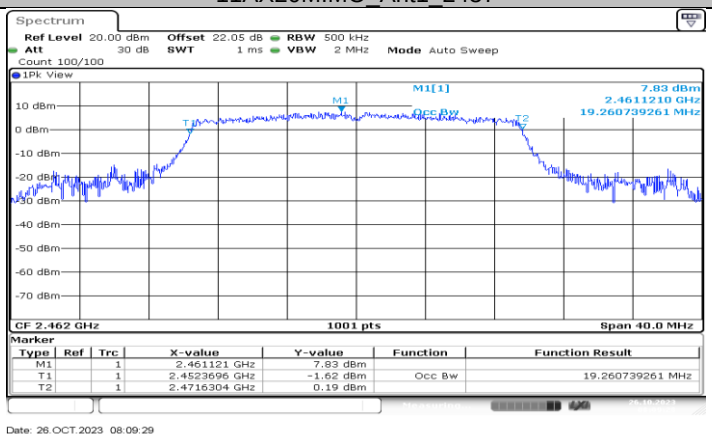

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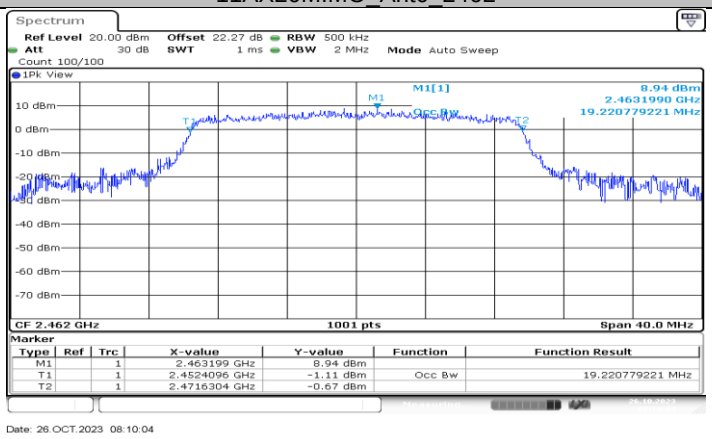

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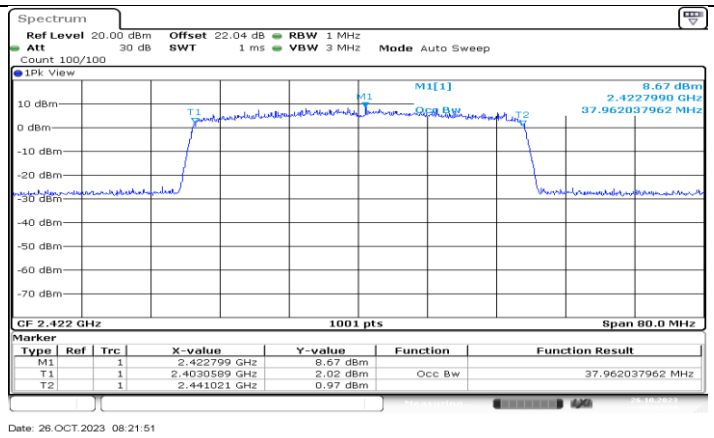

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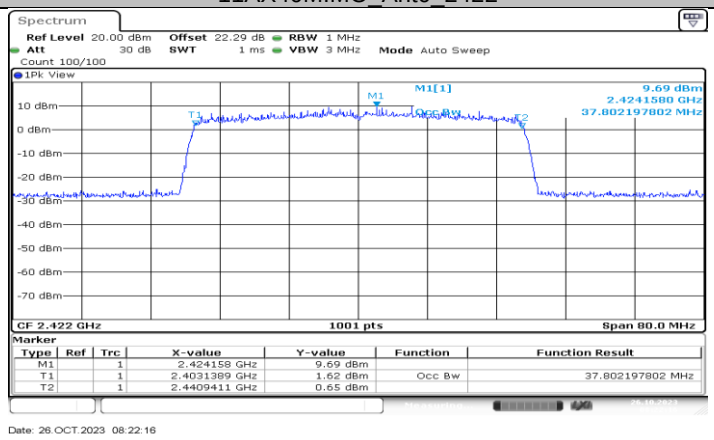

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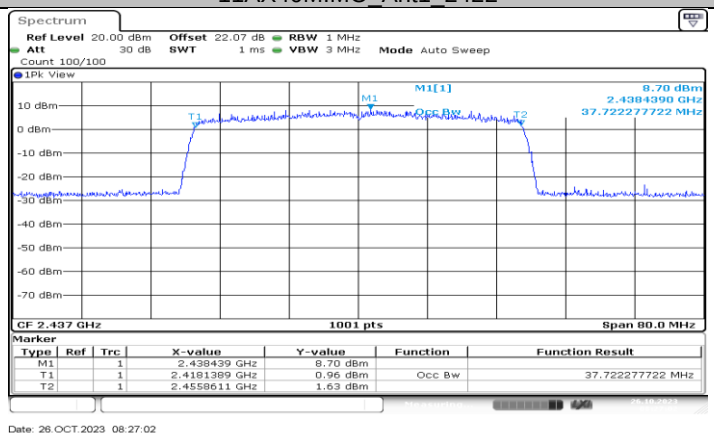

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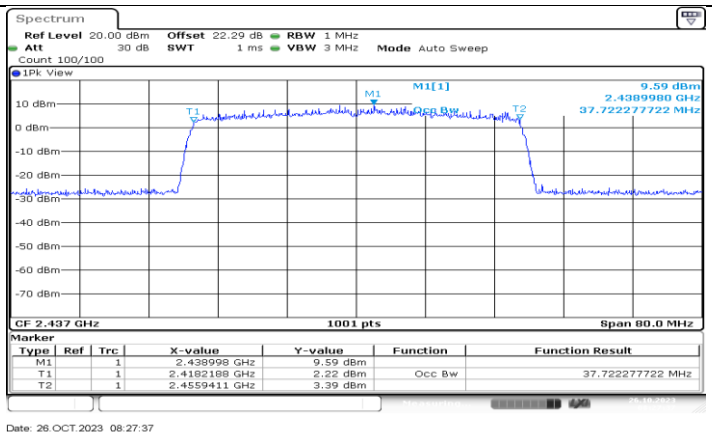

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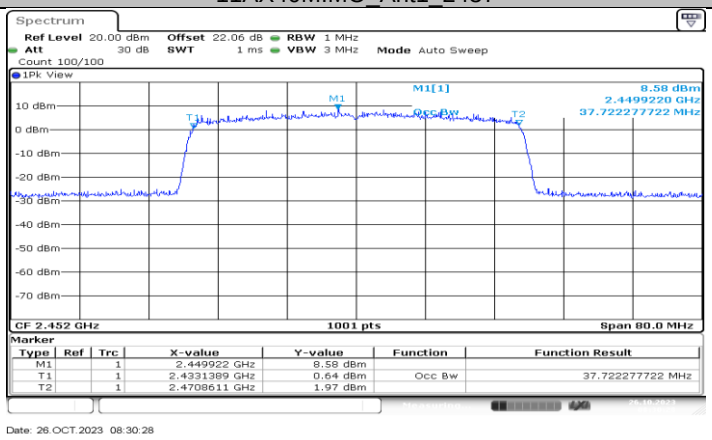

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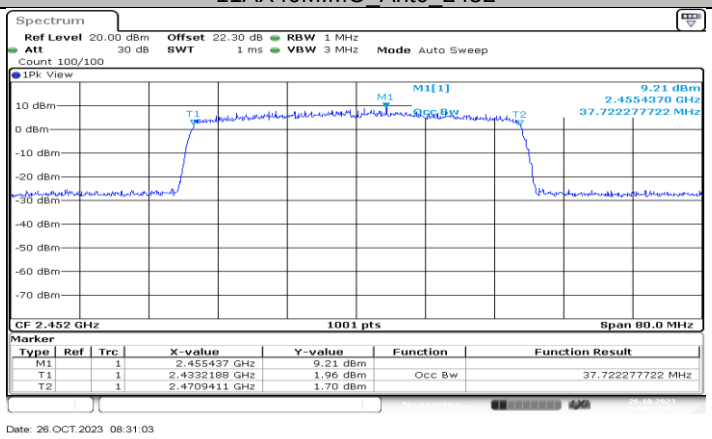

11AX40MIMO_Ant1_2452

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11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	2412	15.39	≤30.00	PASS
	Ant1	2412	15.50	≤30.00	PASS
	Ant0	2437	15.49	≤30.00	PASS
	Ant1	2437	14.80	≤30.00	PASS
	Ant0	2462	15.24	≤30.00	PASS
	Ant1	2462	15.19	≤30.00	PASS
11G	Ant0	2412	15.28	≤30.00	PASS
	Ant1	2412	15.41	≤30.00	PASS
	Ant0	2437	15.45	≤30.00	PASS
	Ant1	2437	15.43	≤30.00	PASS
	Ant0	2462	15.47	≤30.00	PASS
	Ant1	2462	15.62	≤30.00	PASS
11N20MIMO	Ant0	2412	14.02	≤30.00	PASS
	Ant1	2412	14.31	≤30.00	PASS
	total	2412	17.18	≤30.00	PASS
	Ant0	2437	14.38	≤30.00	PASS
	Ant1	2437	14.72	≤30.00	PASS
	total	2437	17.56	≤30.00	PASS
	Ant0	2462	14.35	≤30.00	PASS
	Ant1	2462	14.79	≤30.00	PASS
	total	2462	17.59	≤30.00	PASS
11N40MIMO	Ant0	2422	12.59	≤30.00	PASS
	Ant1	2422	12.69	≤30.00	PASS
	total	2422	15.65	≤30.00	PASS
	Ant0	2437	12.44	≤30.00	PASS
	Ant1	2437	12.73	≤30.00	PASS
	total	2437	15.60	≤30.00	PASS
	Ant0	2452	12.43	≤30.00	PASS
	Ant1	2452	12.74	≤30.00	PASS
	total	2452	15.60	≤30.00	PASS
11AX20MIMO	Ant0	2412	12.55	≤30.00	PASS
	Ant1	2412	12.79	≤30.00	PASS
	total	2412	15.68	≤30.00	PASS
	Ant0	2437	12.67	≤30.00	PASS
	Ant1	2437	12.88	≤30.00	PASS
	total	2437	15.79	≤30.00	PASS
	Ant0	2462	12.65	≤30.00	PASS
	Ant1	2462	12.86	≤30.00	PASS
	total	2462	15.77	≤30.00	PASS
11AX40MIMO	Ant0	2422	12.69	≤30.00	PASS
	Ant1	2422	12.74	≤30.00	PASS
	total	2422	15.73	≤30.00	PASS
	Ant0	2437	12.87	≤30.00	PASS
	Ant1	2437	13.03	≤30.00	PASS
	total	2437	15.96	≤30.00	PASS
	Ant0	2452	12.99	≤30.00	PASS
	Ant1	2452	12.80	≤30.00	PASS
	total	2452	15.91	≤30.00	PASS

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11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-16.79	≤8.00	PASS
	Ant1	2412	-16.40	≤8.00	PASS
	Ant0	2437	-16.64	≤8.00	PASS
	Ant1	2437	-16.36	≤8.00	PASS
	Ant0	2462	-16.70	≤8.00	PASS
	Ant1	2462	-16.56	≤8.00	PASS
11G	Ant0	2412	-18.78	≤8.00	PASS
	Ant1	2412	-18.48	≤8.00	PASS
	Ant0	2437	-18.75	≤8.00	PASS
	Ant1	2437	-18.63	≤8.00	PASS
	Ant0	2462	-18.75	≤8.00	PASS
	Ant1	2462	-18.47	≤8.00	PASS
11N20MIMO	Ant0	2412	-20.19	≤8.00	PASS
	Ant1	2412	-19.34	≤8.00	PASS
	total	2412	-16.73	≤7.85	PASS
	Ant0	2437	-19.80	≤8.00	PASS
	Ant1	2437	-19.02	≤8.00	PASS
	total	2437	-16.38	≤7.85	PASS
	Ant0	2462	-18.78	≤8.00	PASS
	Ant1	2462	-19.26	≤8.00	PASS
	total	2462	-16.00	≤7.85	PASS
11N40MIMO	Ant0	2422	-21.61	≤8.00	PASS
	Ant1	2422	-23.11	≤8.00	PASS
	total	2422	-19.29	≤7.85	PASS
	Ant0	2437	-23.00	≤8.00	PASS
	Ant1	2437	-22.41	≤8.00	PASS
	total	2437	-19.68	≤7.85	PASS
	Ant0	2452	-22.36	≤8.00	PASS
	Ant1	2452	-22.24	≤8.00	PASS
	total	2452	-19.29	≤7.85	PASS
11AX20MIMO	Ant0	2412	-20.38	≤8.00	PASS
	Ant1	2412	-20.63	≤8.00	PASS
	total	2412	-17.49	≤7.85	PASS
	Ant0	2437	-19.46	≤8.00	PASS
	Ant1	2437	-20.20	≤8.00	PASS
	total	2437	-16.80	≤7.85	PASS
	Ant0	2462	-20.82	≤8.00	PASS
	Ant1	2462	-20.05	≤8.00	PASS
	total	2462	-17.41	≤7.85	PASS
11AX40MIMO	Ant0	2422	-23.55	≤8.00	PASS
	Ant1	2422	-23.15	≤8.00	PASS
	total	2422	-20.34	≤7.85	PASS
	Ant0	2437	-23.93	≤8.00	PASS
	Ant1	2437	-23.53	≤8.00	PASS
	total	2437	-20.72	≤7.85	PASS
	Ant0	2452	-24.08	≤8.00	PASS
	Ant1	2452	-23.38	≤8.00	PASS
	total	2452	-20.71	≤7.85	PASS

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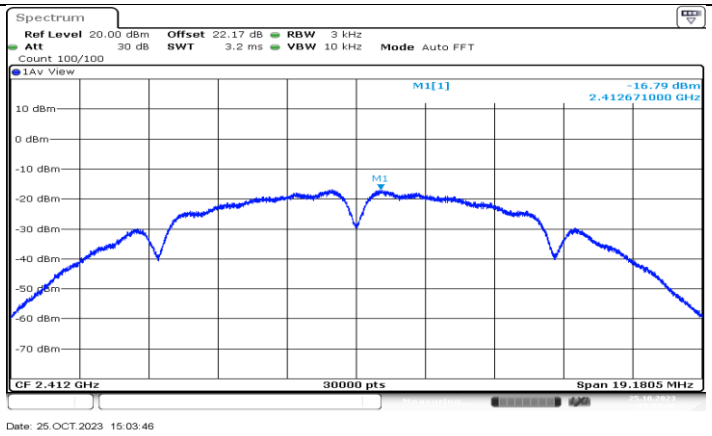
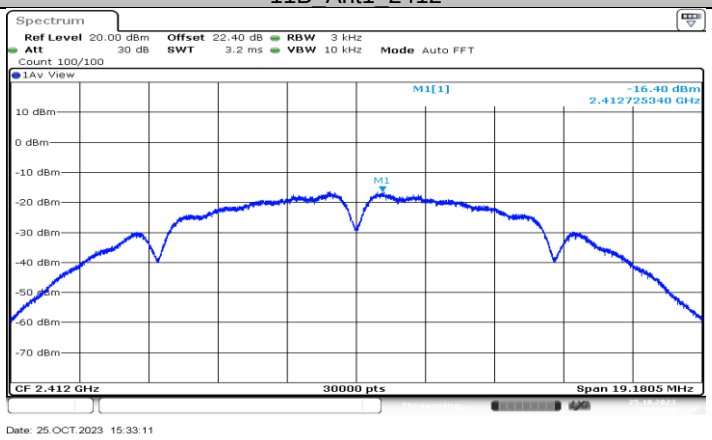
11.4.2. Test Graphs



11B_Ant1_2412



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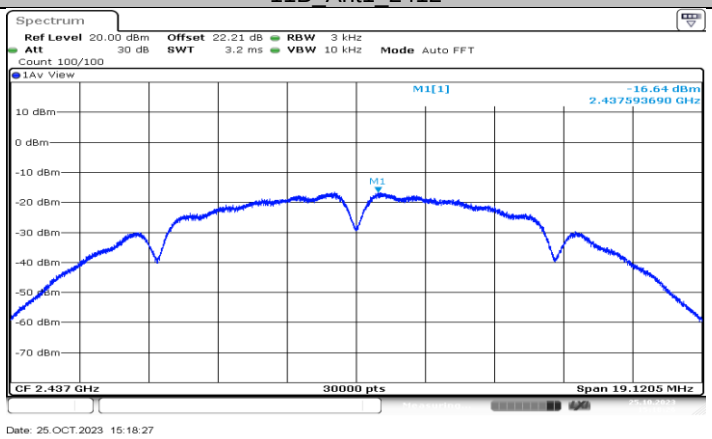

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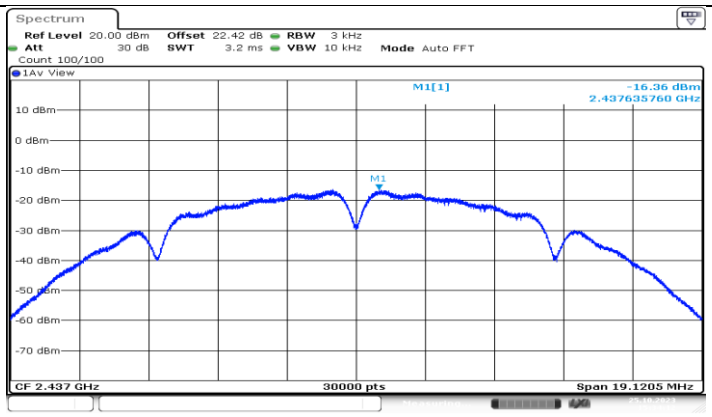

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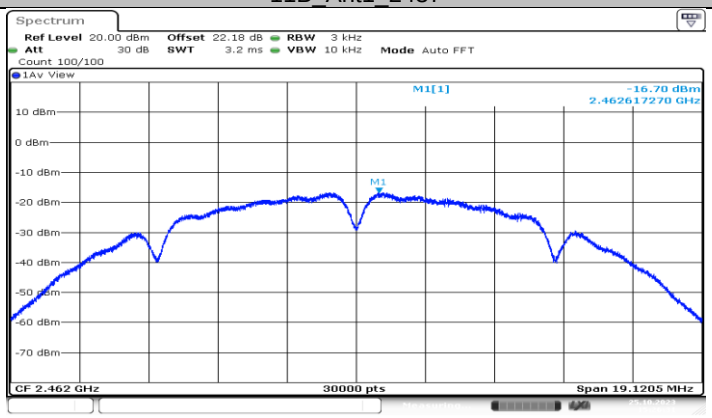

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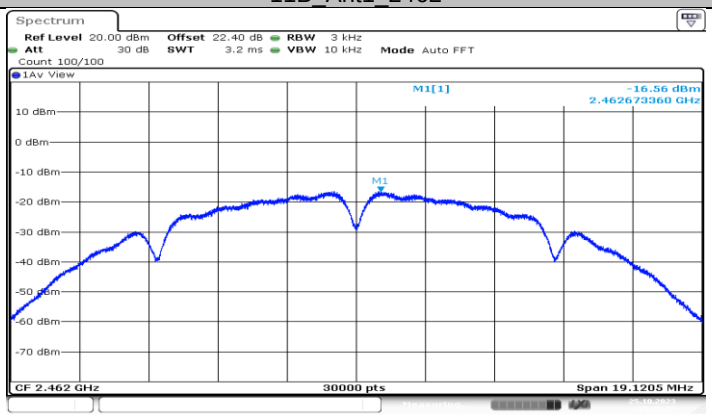

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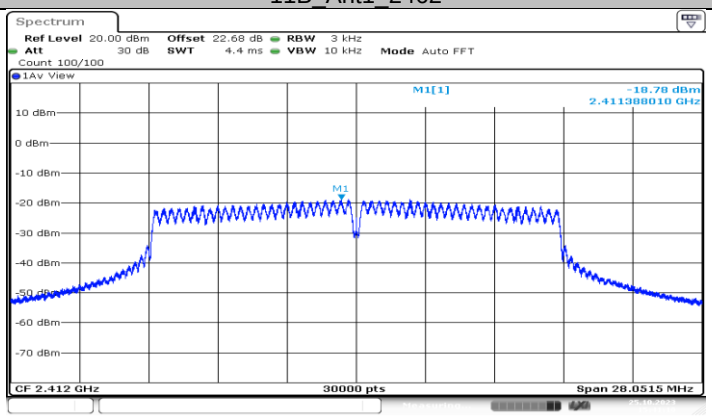

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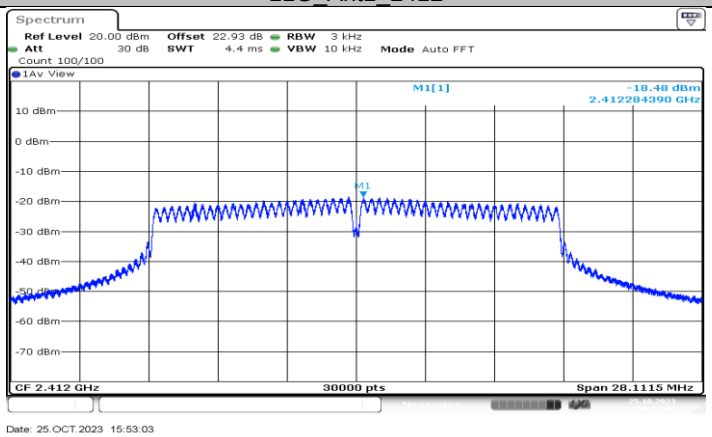

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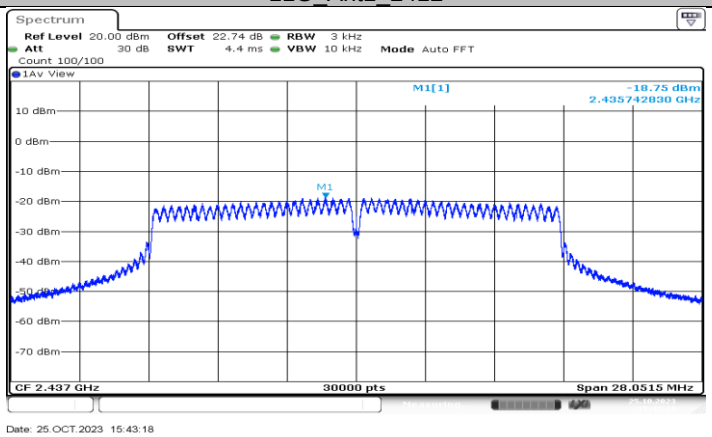

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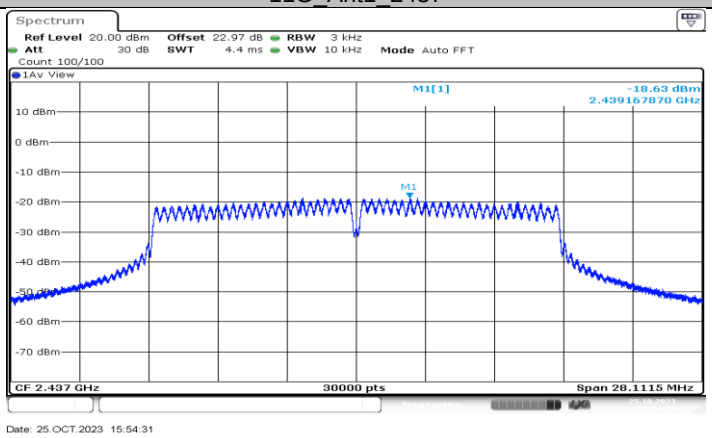

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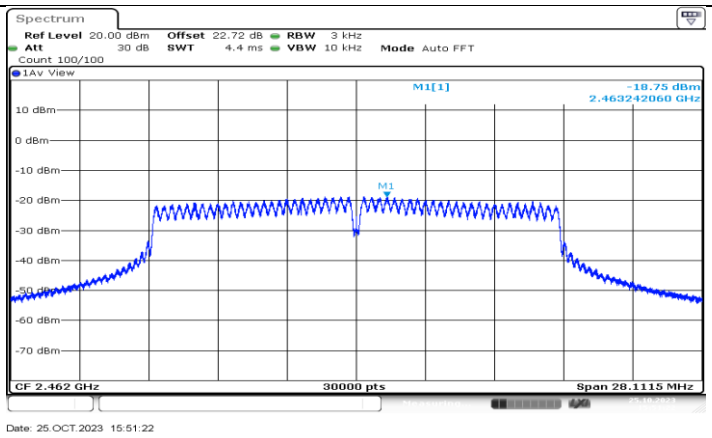

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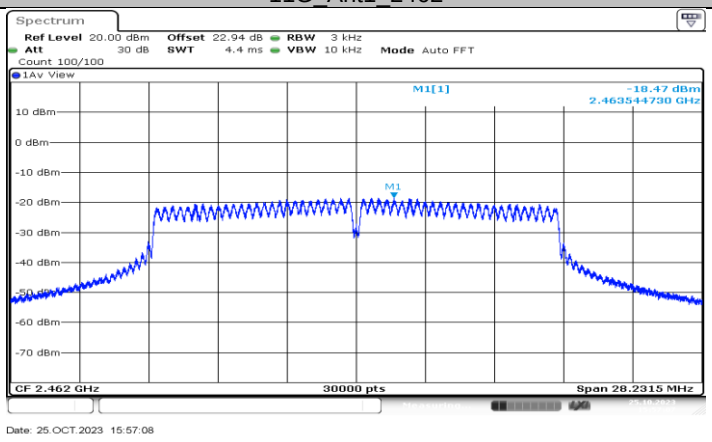

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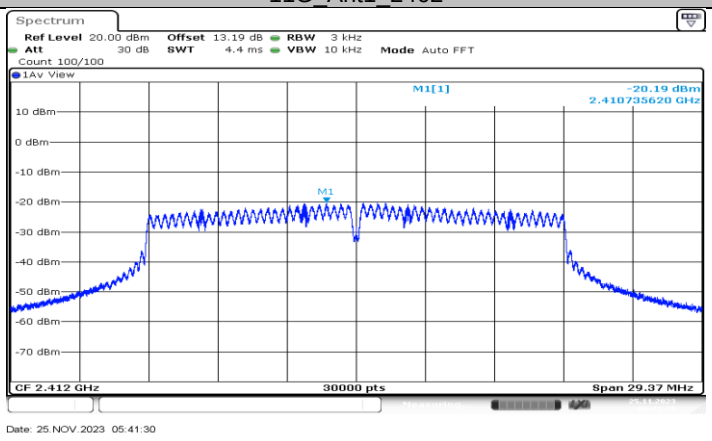

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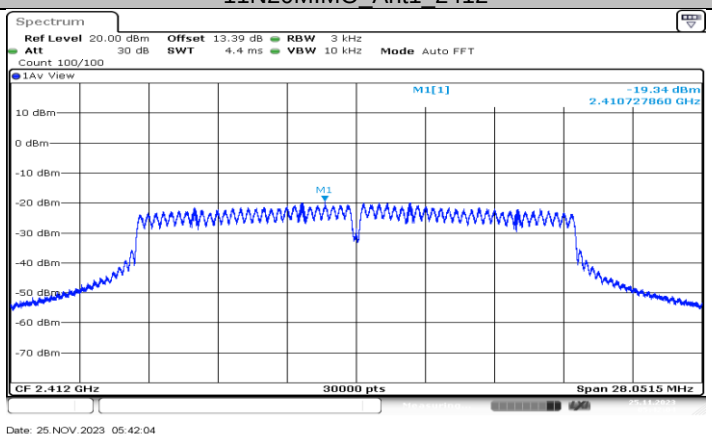

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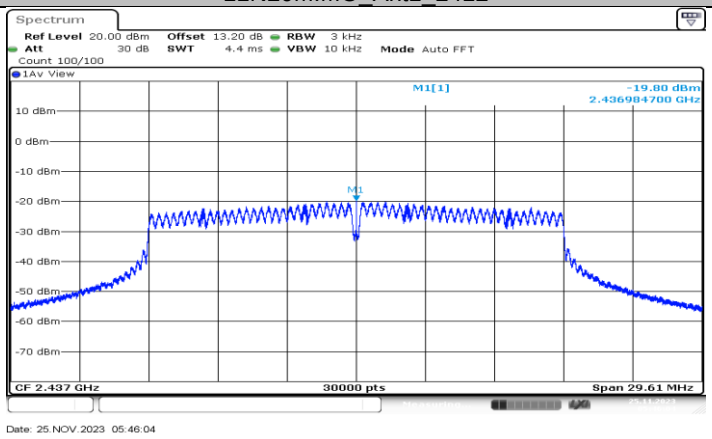

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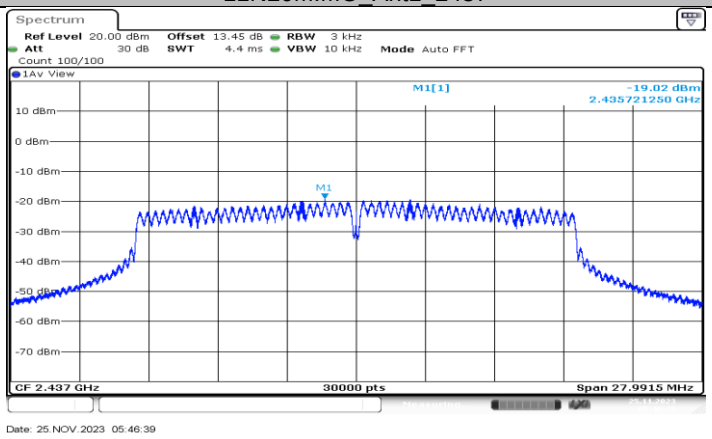

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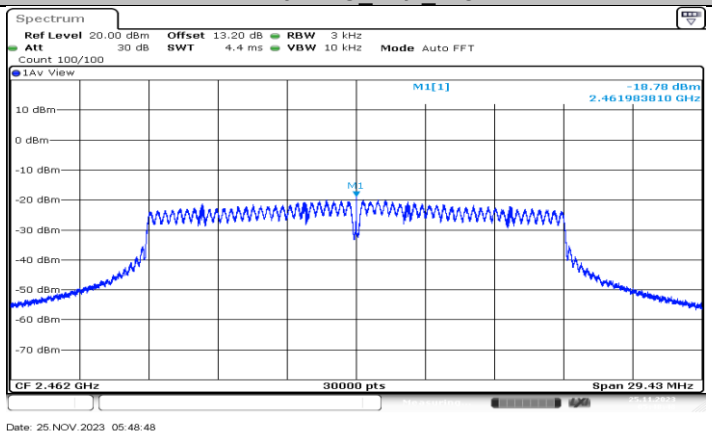

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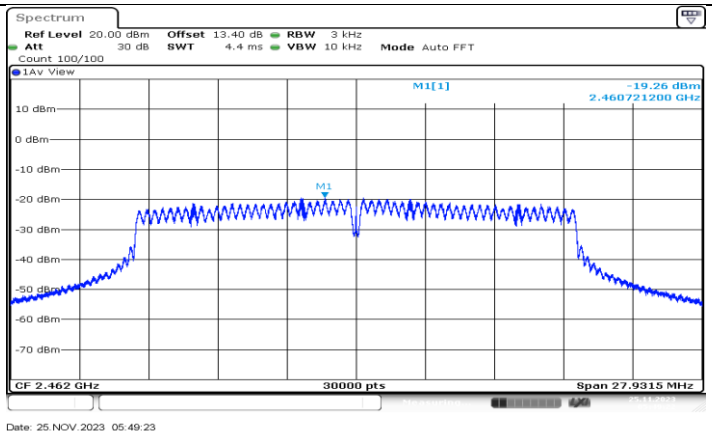

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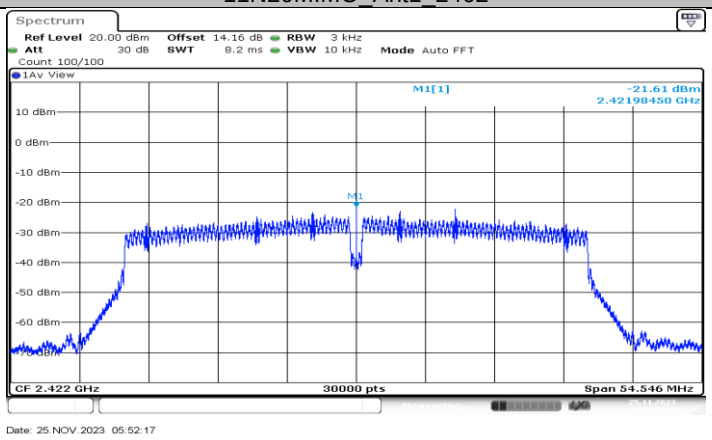

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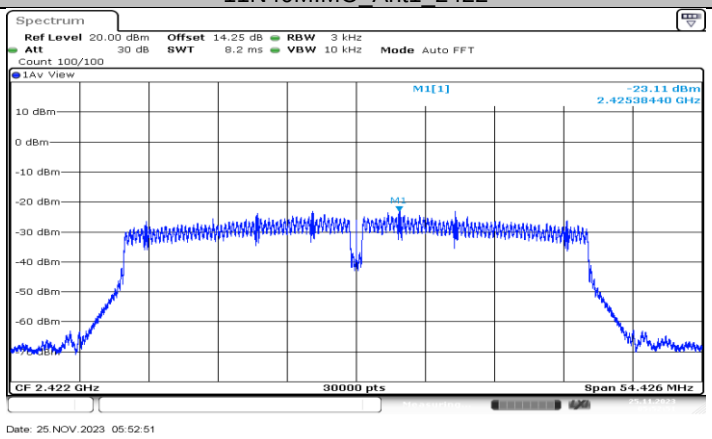

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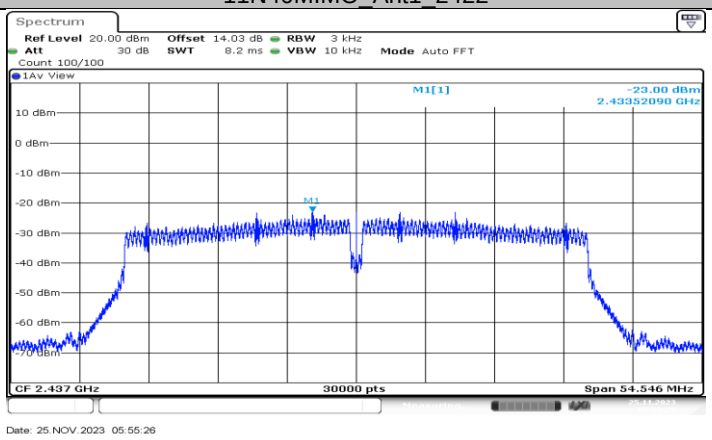

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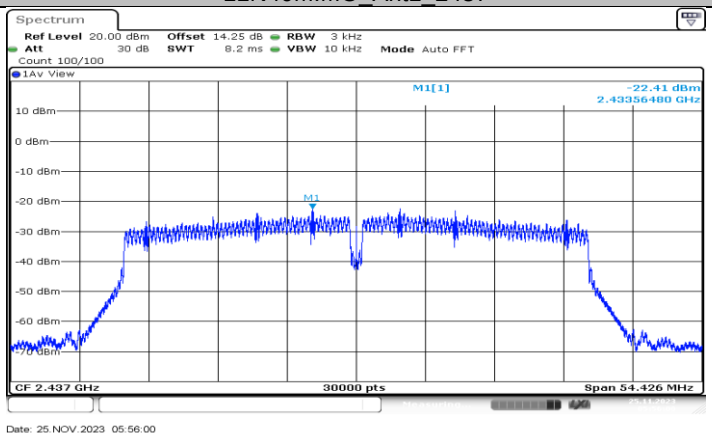

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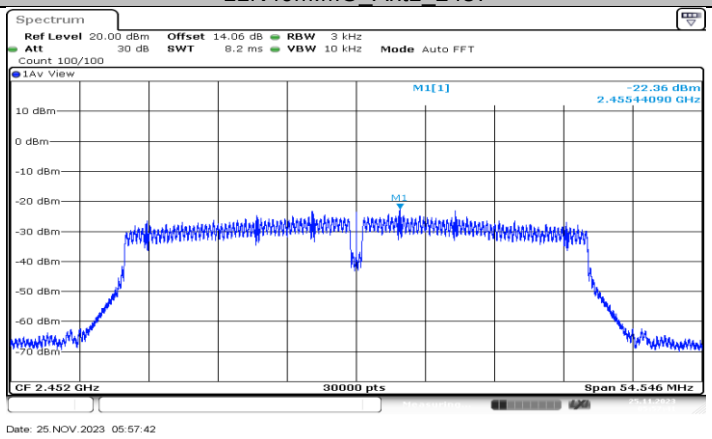

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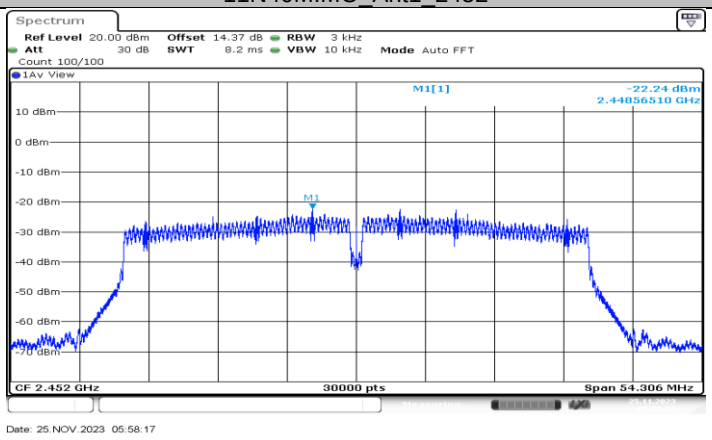

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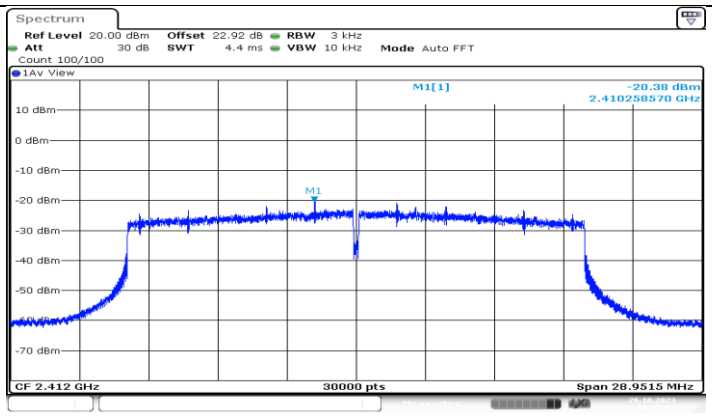

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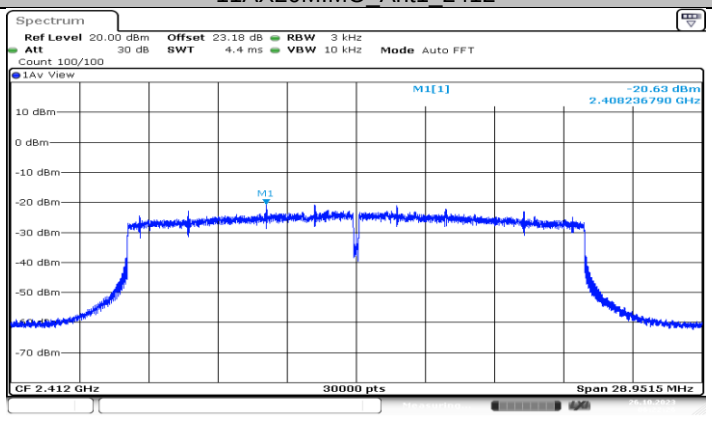

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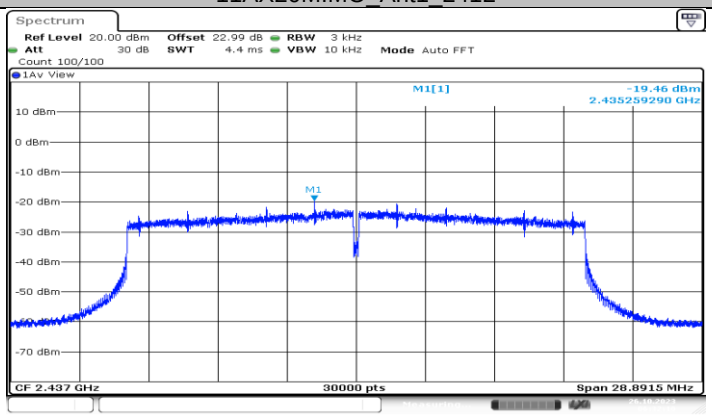

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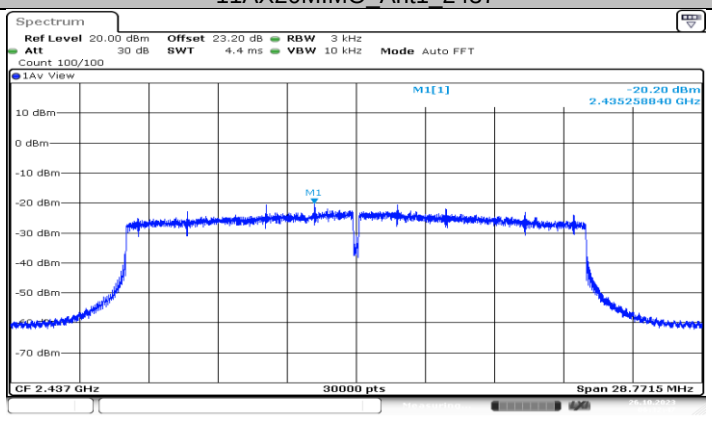

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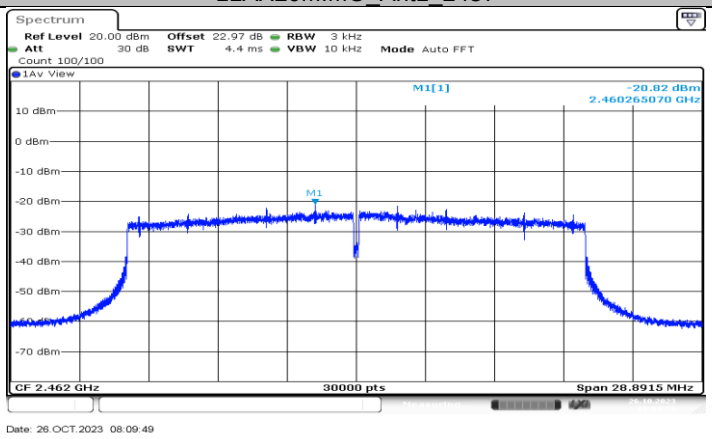

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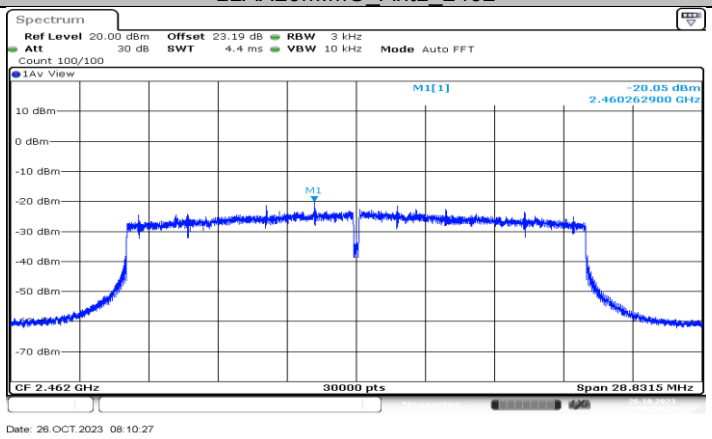

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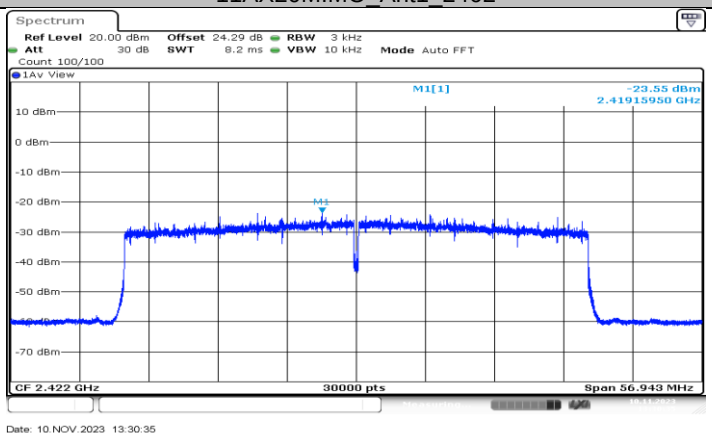

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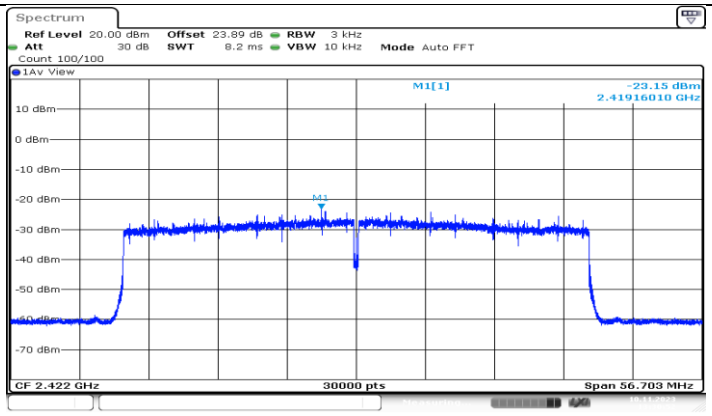

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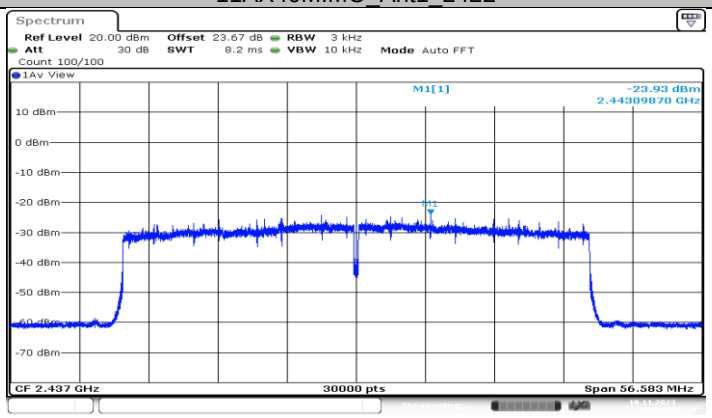

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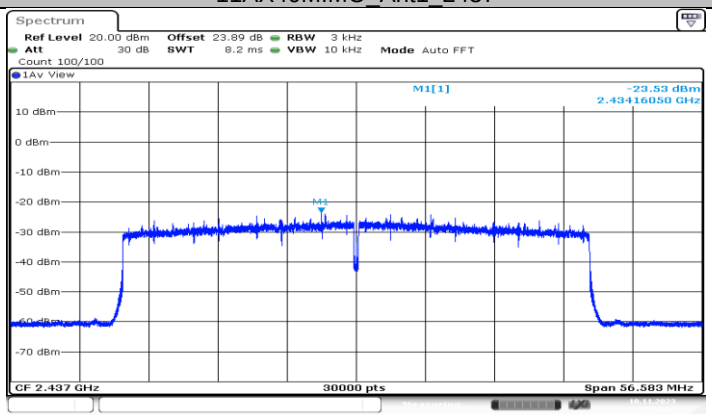

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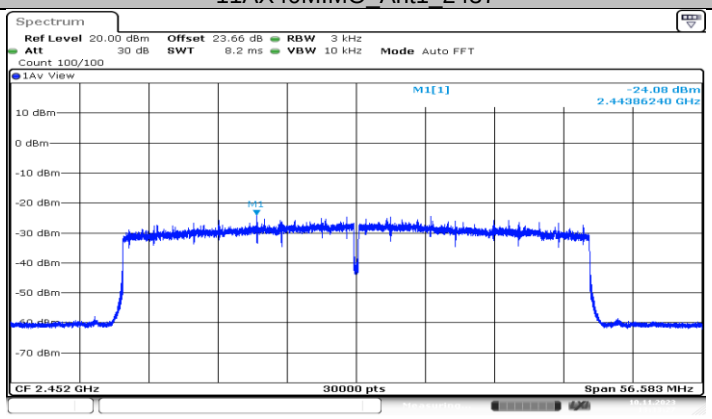

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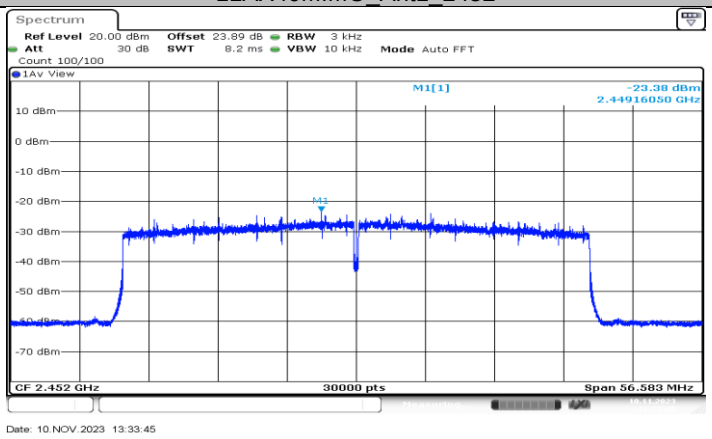
11AX40MIMO_Ant1_2452

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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	6.38	-35.81	≤-23.62	PASS
		High	2462	6.53	-36.11	≤-23.47	PASS
11G	Ant1	Low	2412	4.14	-27.56	≤-25.86	PASS
		High	2462	4.40	-35.83	≤-25.6	PASS
11N20MIMO	Ant1	Low	2412	4.07	-39.58	≤-25.93	PASS
		High	2462	2.47	-45.19	≤-27.53	PASS
11N40MIMO	Ant1	Low	2422	-1.59	-40.67	≤-31.59	PASS
		High	2452	-1.12	-48.92	≤-31.12	PASS
11AX20MIMO	Ant1	Low	2412	0.76	-29.65	≤-29.24	PASS
		High	2462	0.75	-45.77	≤-29.25	PASS
11AX40MIMO	Ant1	Low	2422	-2.43	-43.88	≤-32.43	PASS
		High	2452	-1.76	-45.11	≤-31.76	PASS

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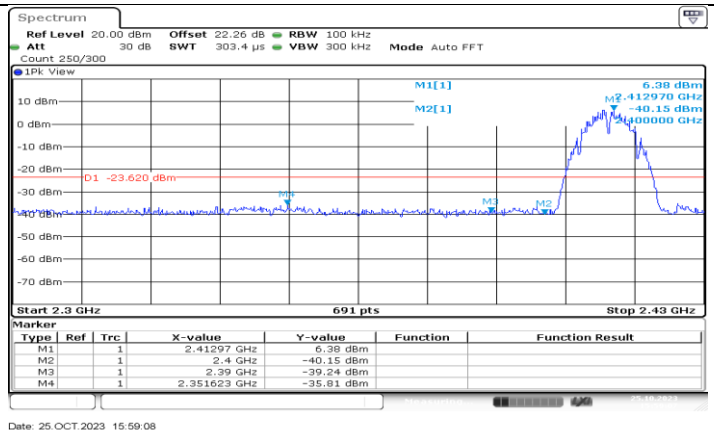
11.5.2. Test Graphs



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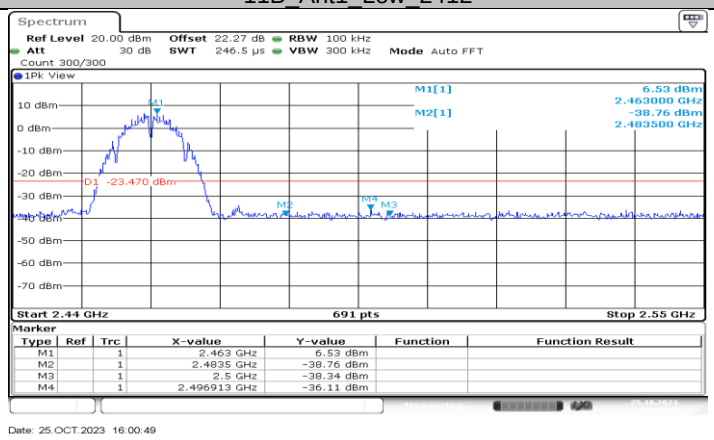

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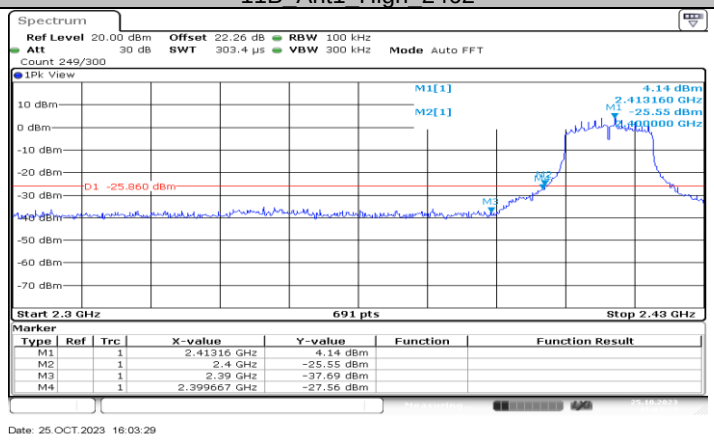

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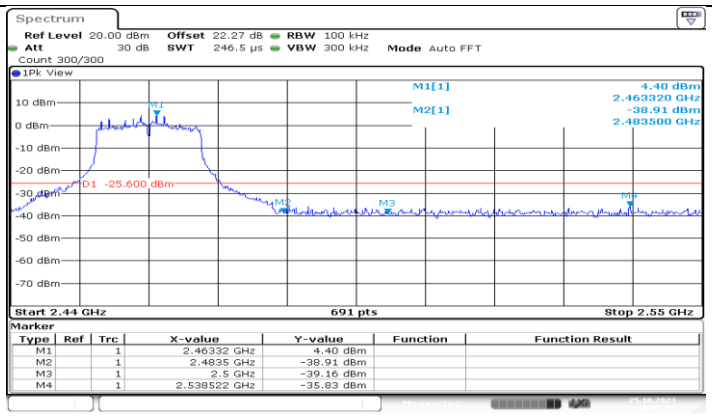

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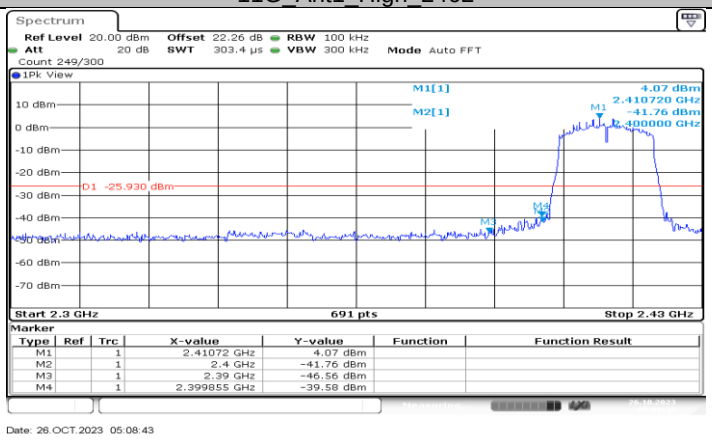

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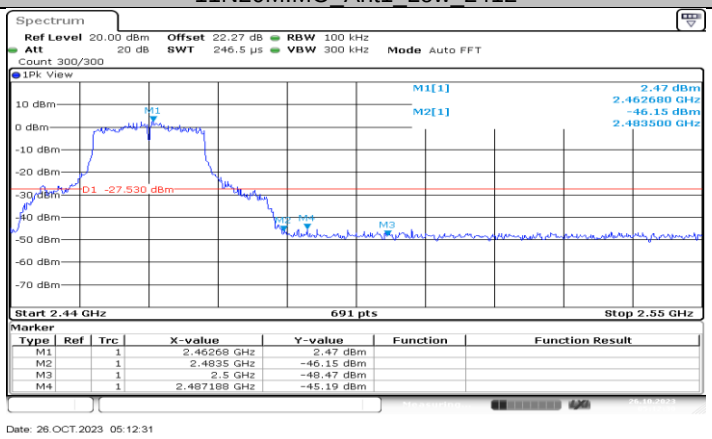

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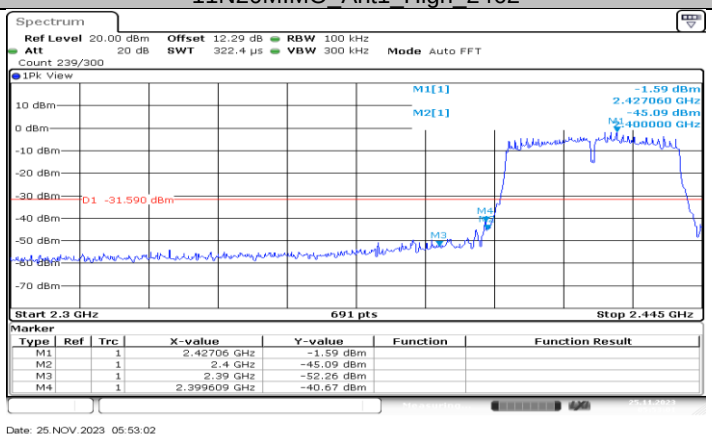

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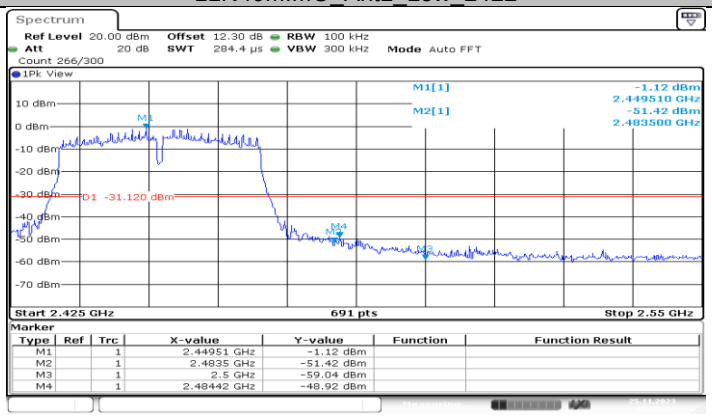

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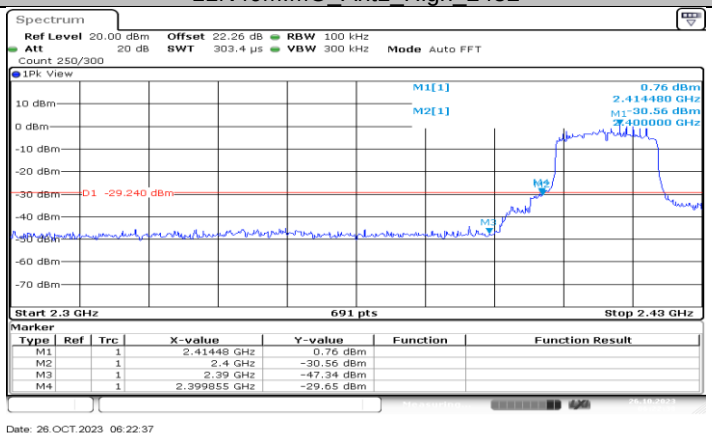

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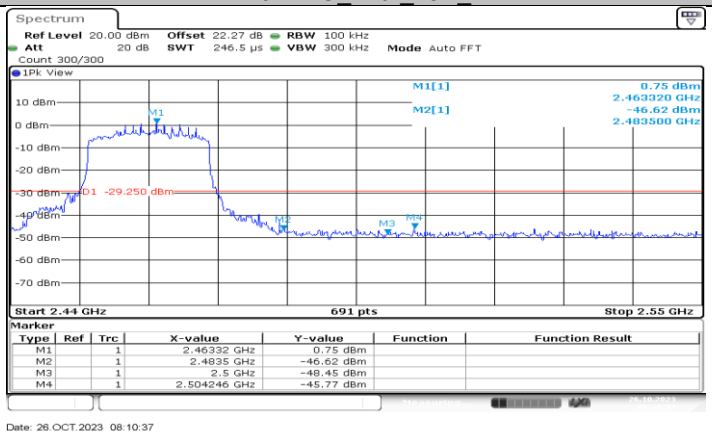

11AX20MIMO_Ant1_High_2462

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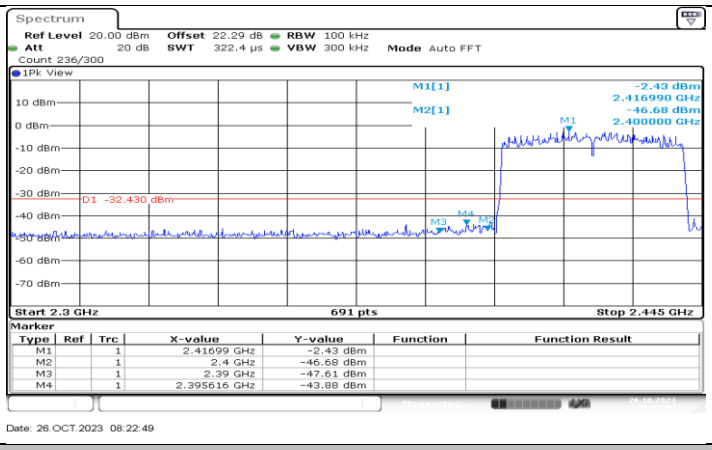
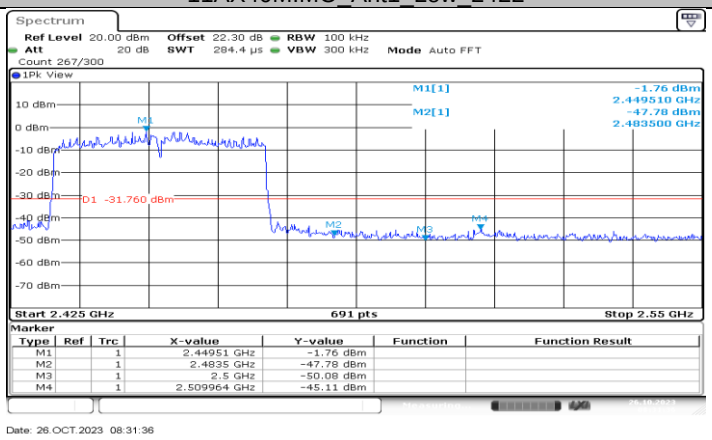


11AX40MIMO_Ant1_Low_2422



11AX40MIMO_Ant1_High_2452

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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	6.33	---	PASS
			30~1000	-45.03	≤-23.67	PASS
			1000~26500	-33.83	≤-23.67	PASS
		2437	Reference	6.30	---	PASS
			30~1000	-45.67	≤-23.7	PASS
			1000~26500	-33.08	≤-23.7	PASS
		2462	Reference	6.69	---	PASS
			30~1000	-44.79	≤-23.31	PASS
			1000~26500	-33.6	≤-23.31	PASS
11G	Ant1	2412	Reference	3.94	---	PASS
			30~1000	-44.39	≤-26.06	PASS
			1000~26500	-33.49	≤-26.06	PASS
		2437	Reference	4.34	---	PASS
			30~1000	-45.39	≤-25.66	PASS
			1000~26500	-33.82	≤-25.66	PASS
		2462	Reference	4.54	---	PASS
			30~1000	-45.22	≤-25.46	PASS
			1000~26500	-33.47	≤-25.46	PASS
11N20MIMO	Ant1	2412	Reference	4.16	---	PASS
			30~1000	-45.12	≤-25.84	PASS
			1000~26500	-32.77	≤-25.84	PASS
		2437	Reference	4.35	---	PASS
			30~1000	-45.21	≤-25.65	PASS
			1000~26500	-33.01	≤-25.65	PASS
		2462	Reference	4.20	---	PASS
			30~1000	-45.38	≤-25.8	PASS
			1000~26500	-33.76	≤-25.8	PASS
11N40MIMO	Ant1	2422	Reference	-1.59	---	PASS
			30~1000	-55.52	≤-31.59	PASS
			1000~26500	-53	≤-31.59	PASS
		2437	Reference	-1.59	---	PASS
			30~1000	-55.38	≤-31.59	PASS
			1000~26500	-53.92	≤-31.59	PASS
		2452	Reference	-1.09	---	PASS
			30~1000	-54.94	≤-31.09	PASS
			1000~26500	-52.87	≤-31.09	PASS
11AX20MIMO	Ant1	2412	Reference	0.77	---	PASS
			30~1000	-44.84	≤-29.23	PASS
			1000~26500	-33.41	≤-29.23	PASS
		2437	Reference	0.93	---	PASS
			30~1000	-45.08	≤-29.07	PASS
			1000~26500	-32.66	≤-29.07	PASS
		2462	Reference	0.34	---	PASS
			30~1000	-45.47	≤-29.66	PASS
			1000~26500	-33.08	≤-29.66	PASS
11AX40MIMO	Ant1	2422	Reference	-1.92	---	PASS
			30~1000	-44.91	≤-31.92	PASS
			1000~26500	-43.6	≤-31.92	PASS
		2437	Reference	-1.94	---	PASS
			30~1000	-45.05	≤-31.94	PASS
			1000~26500	-43.13	≤-31.94	PASS
		2452	Reference	-1.57	---	PASS
			30~1000	-45.51	≤-31.57	PASS
			1000~26500	-42.54	≤-31.57	PASS

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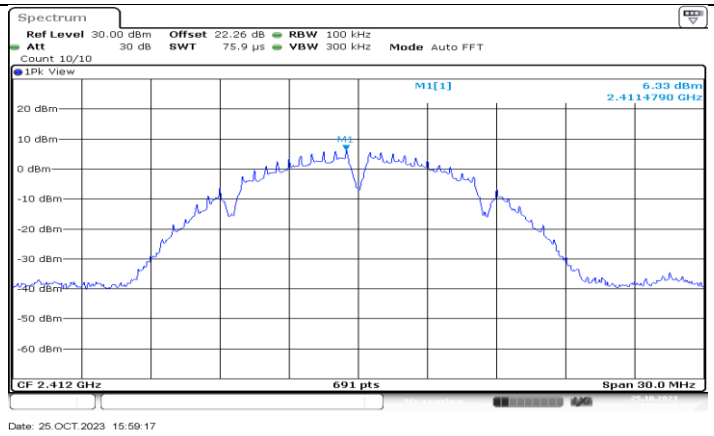
11.6.2. Test Graphs



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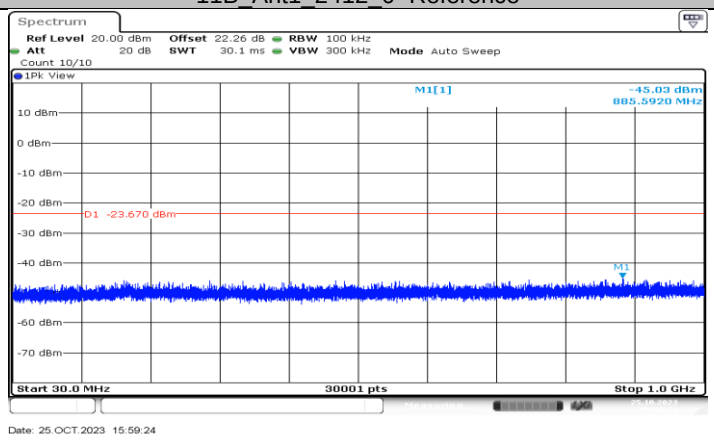

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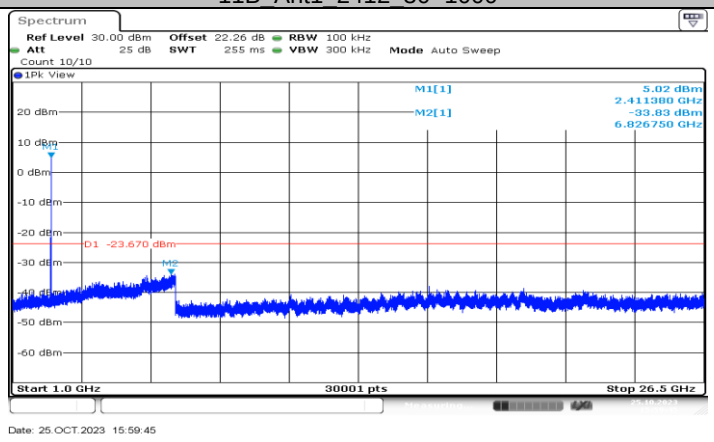

11B_Ant1_2412_1000~26500

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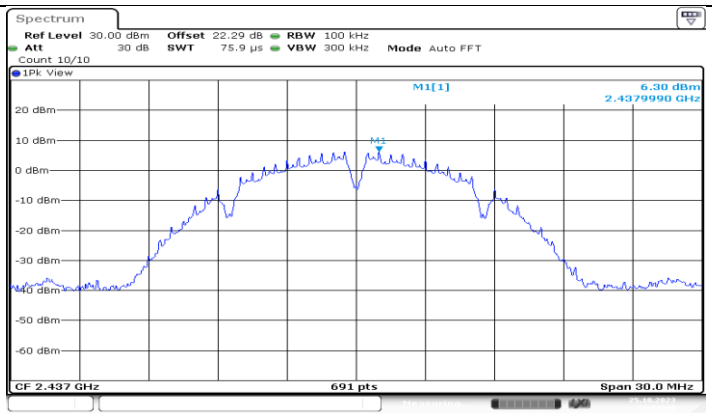
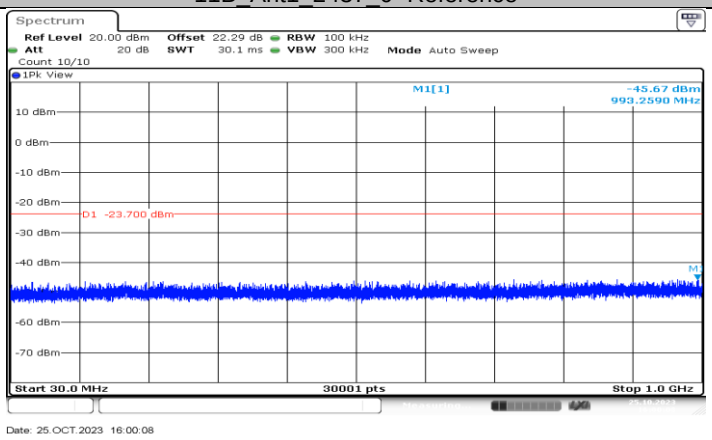


11B_Ant1_2437_0~Reference



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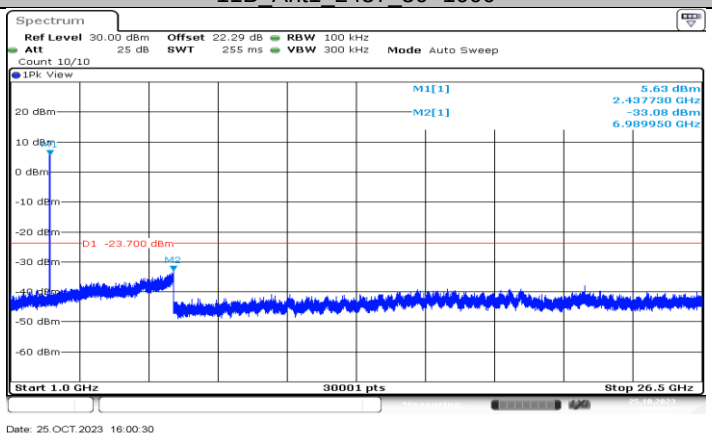

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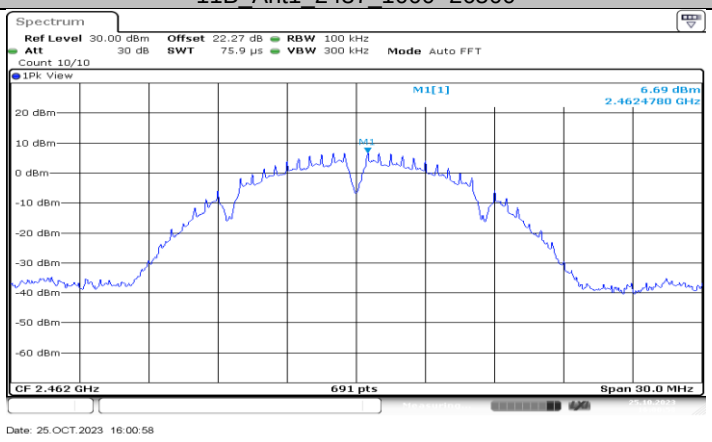

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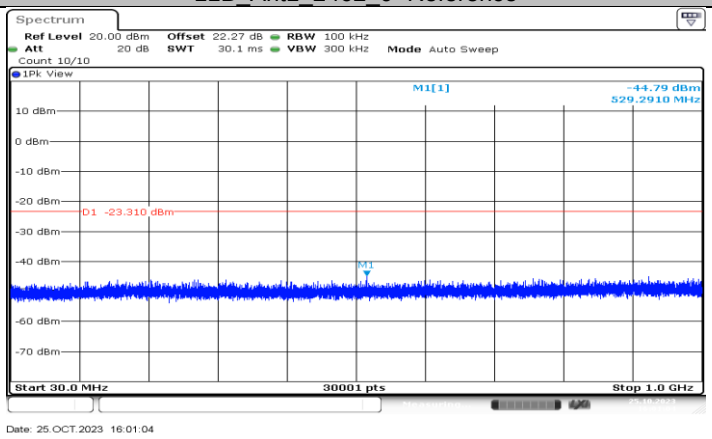
11B_Ant1_2462_0~Reference



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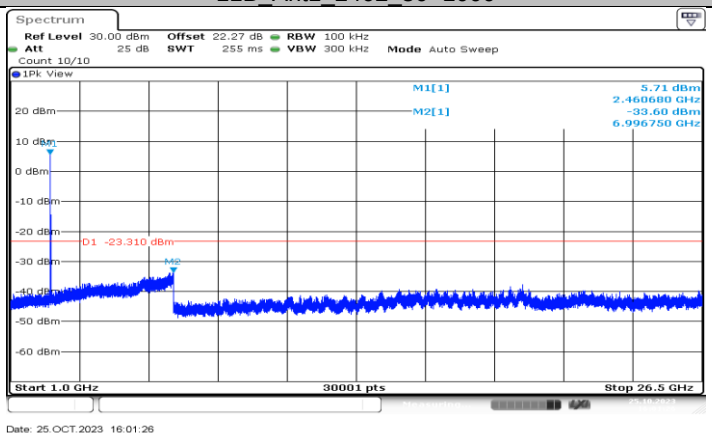

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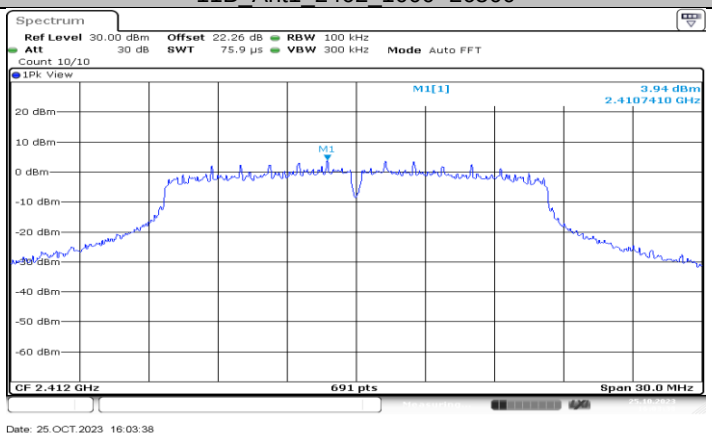

11G_Ant1_2412_0~Reference

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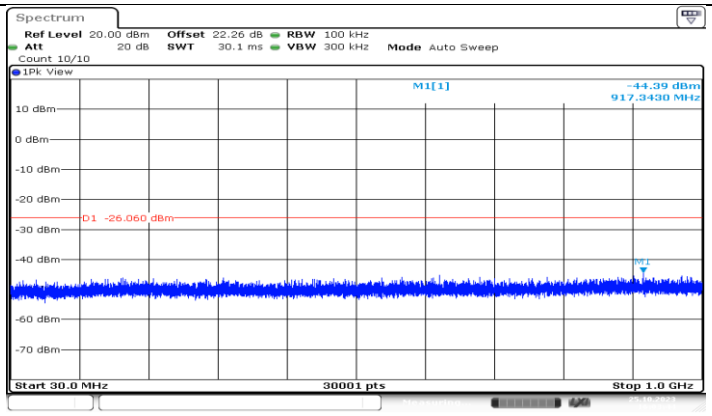

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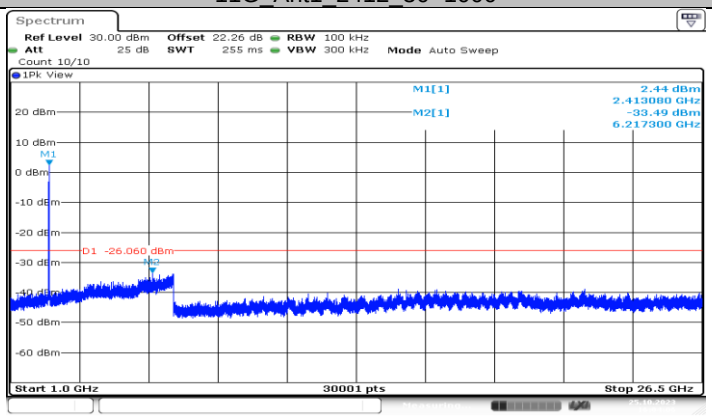

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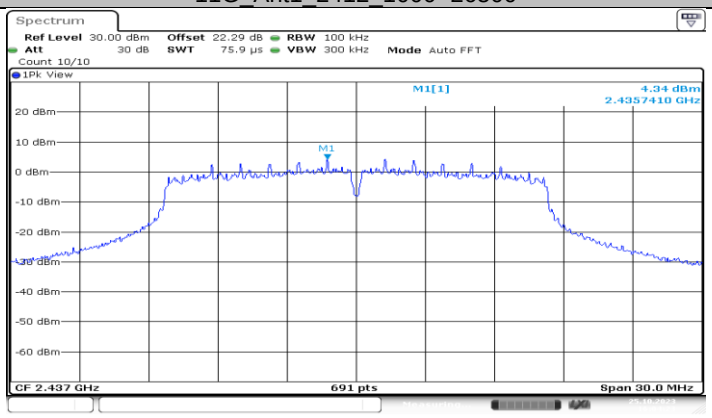

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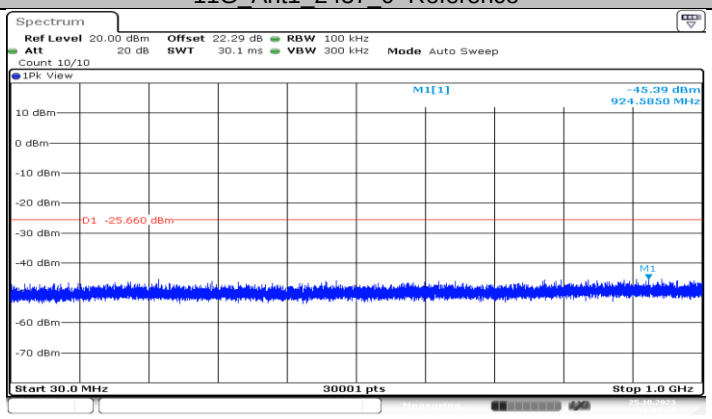

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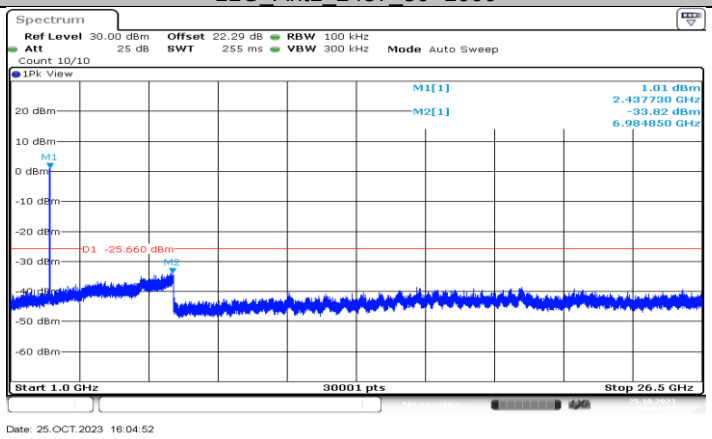

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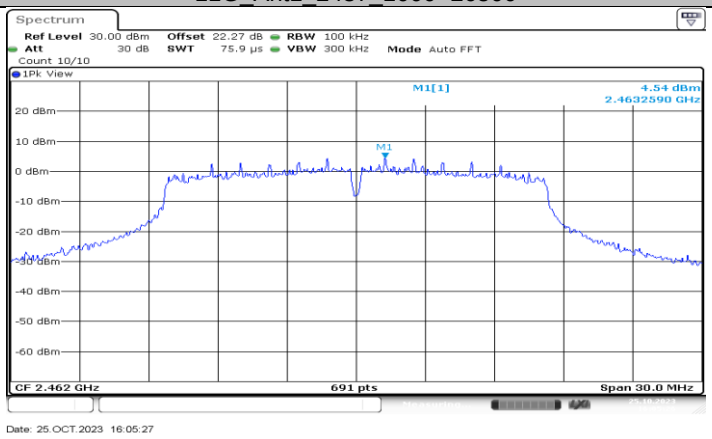

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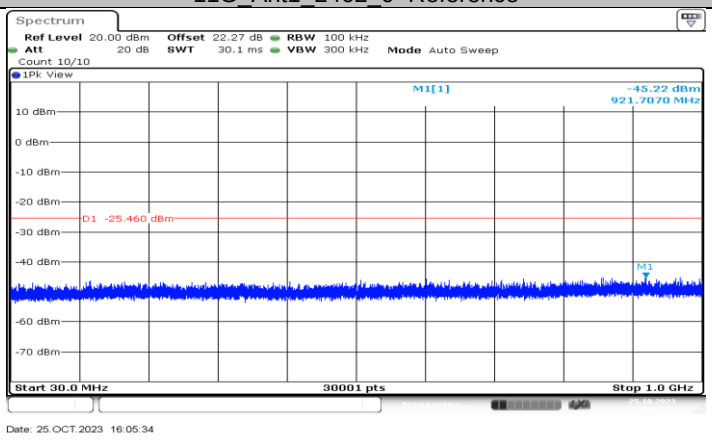

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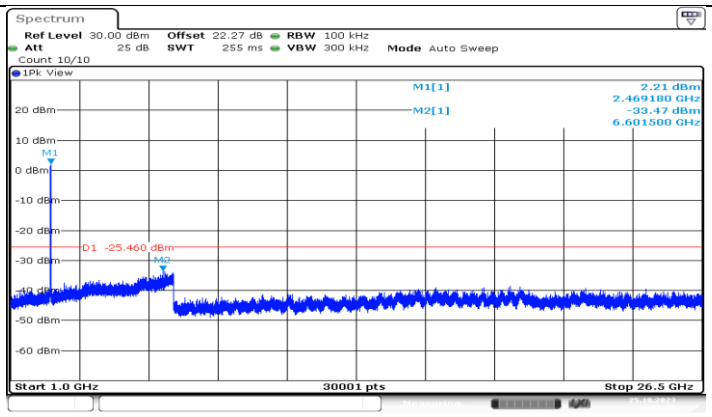

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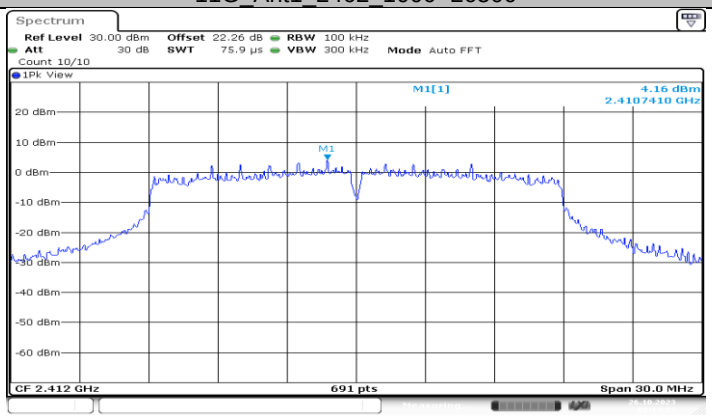

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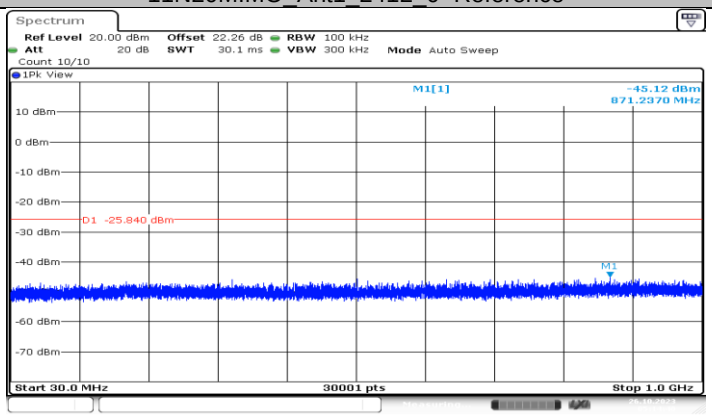
11N20MIMO_Ant1_2412_0~Reference



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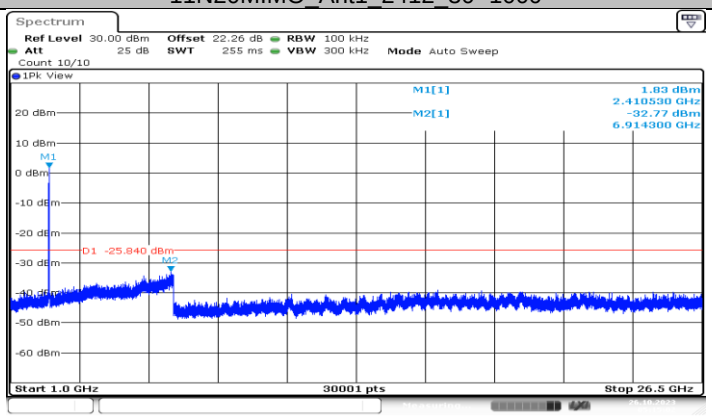

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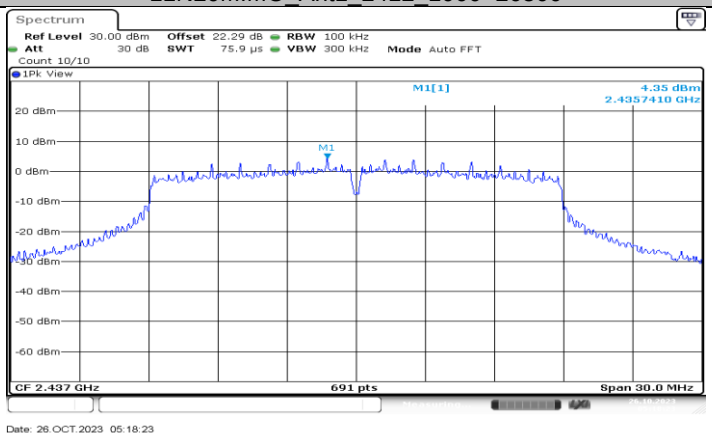

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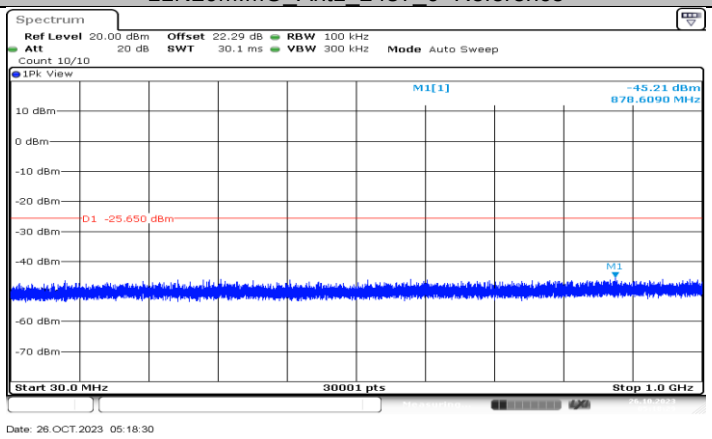

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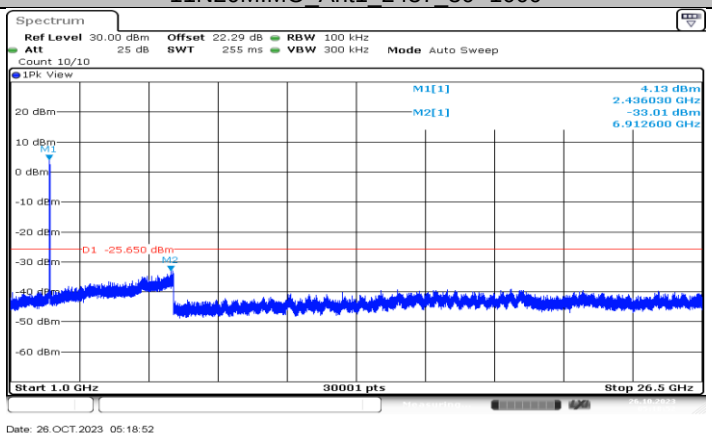

11N20MIMO_Ant1_2437_1000~26500

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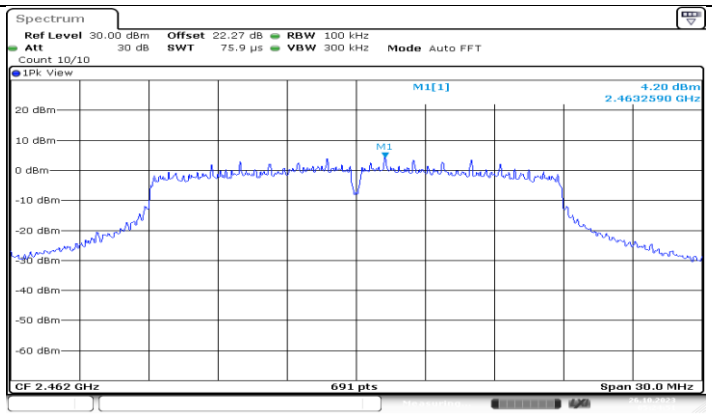

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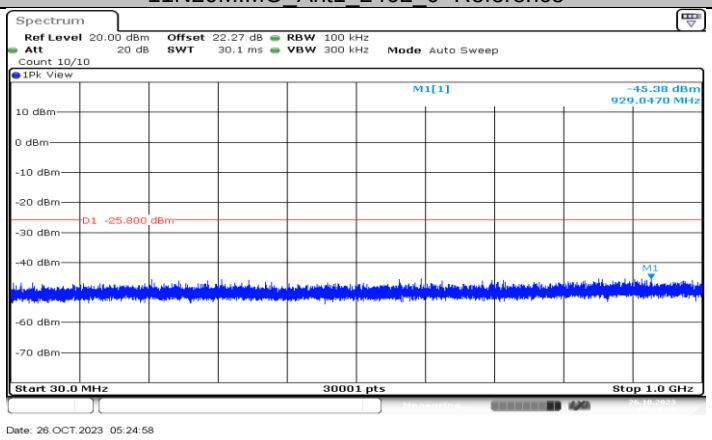
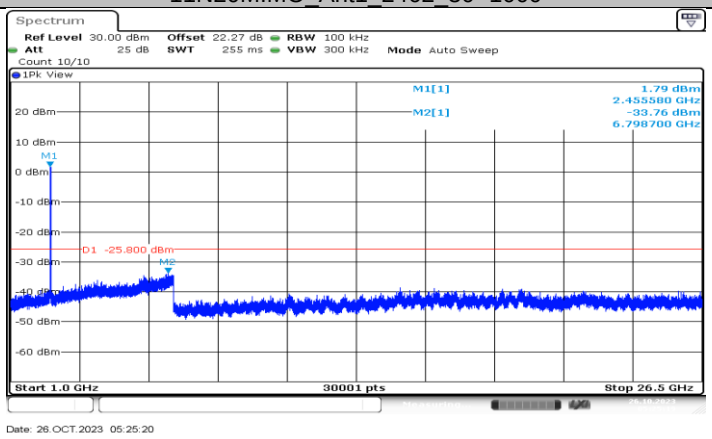
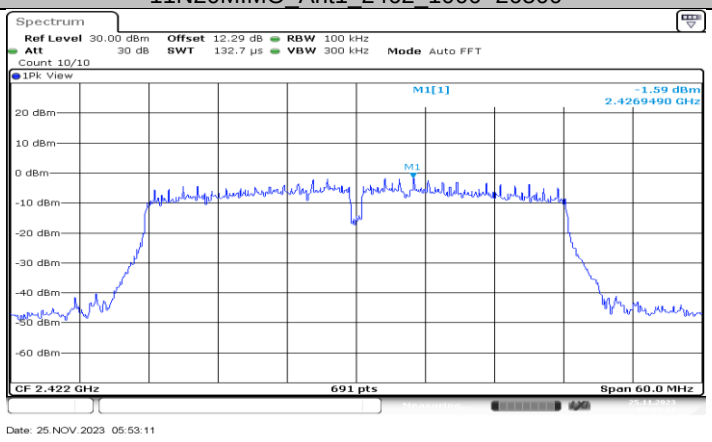


11N20MIMO_Ant1_2462_30~1000



11N20MIMO_Ant1_2462_1000~26500



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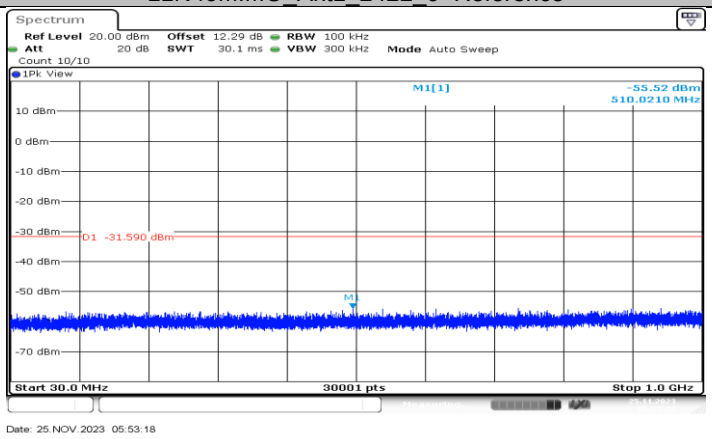
11N40MIMO_Ant1_2422_0~Reference



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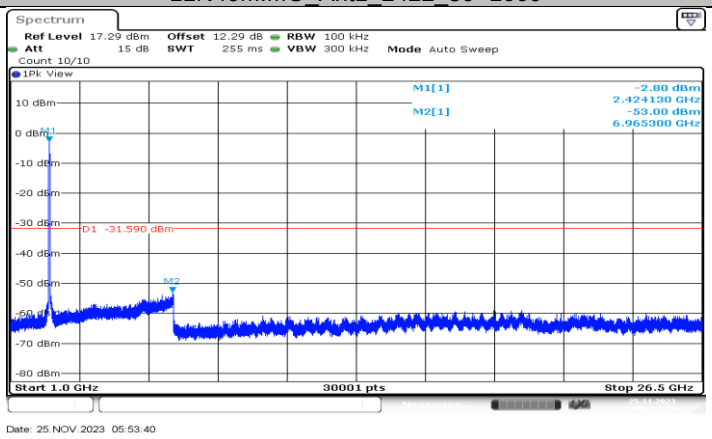

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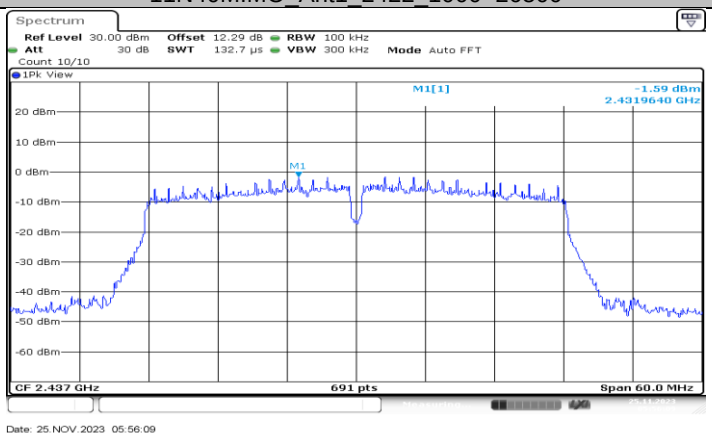

11N40MIMO_Ant1_2437_0~Reference

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