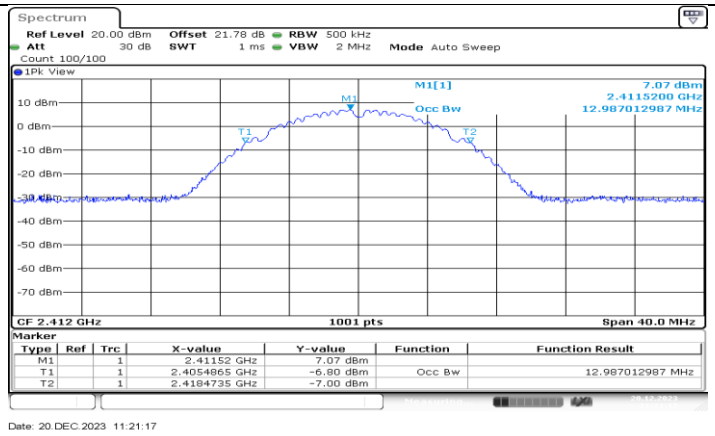
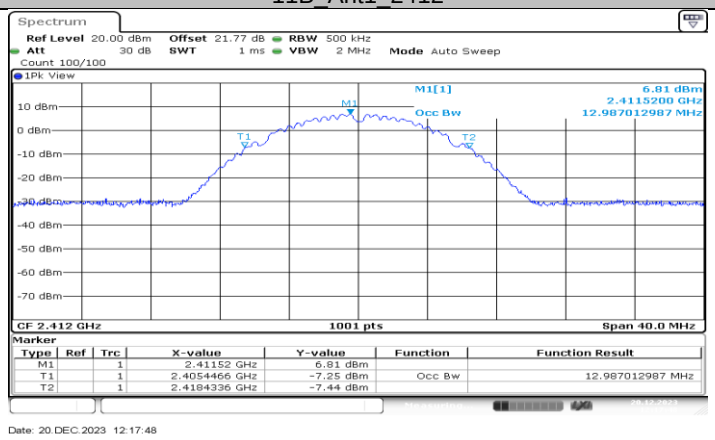
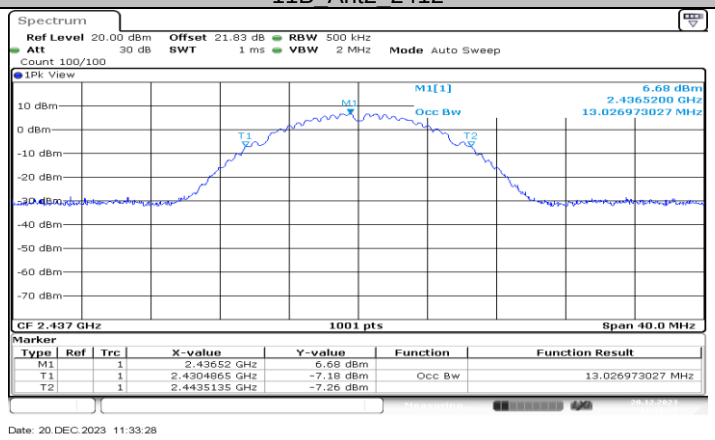
11.2.2. Test Graphs



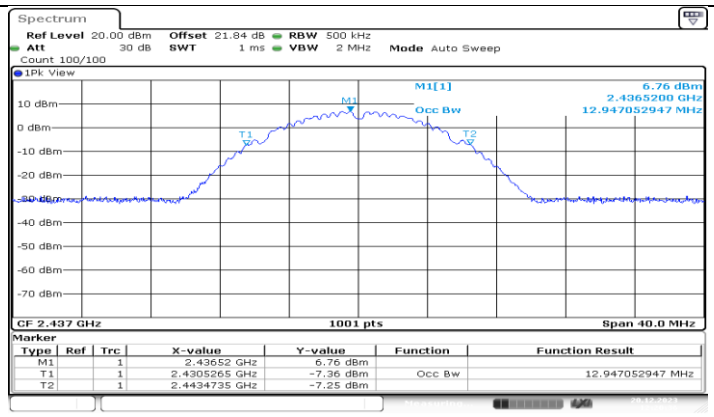
11B_Ant1_2412



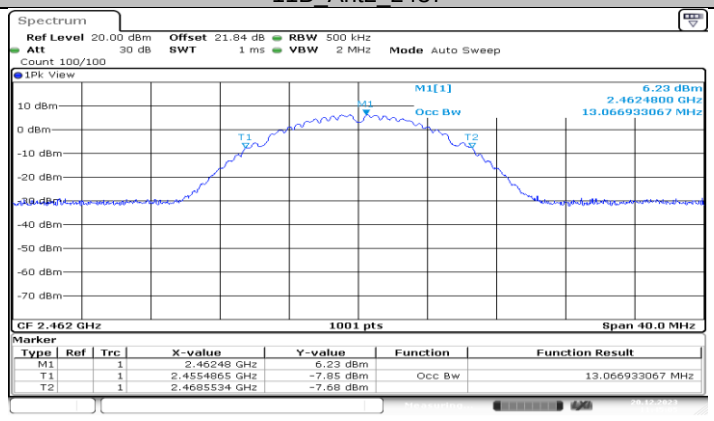
11B_Ant2_2412



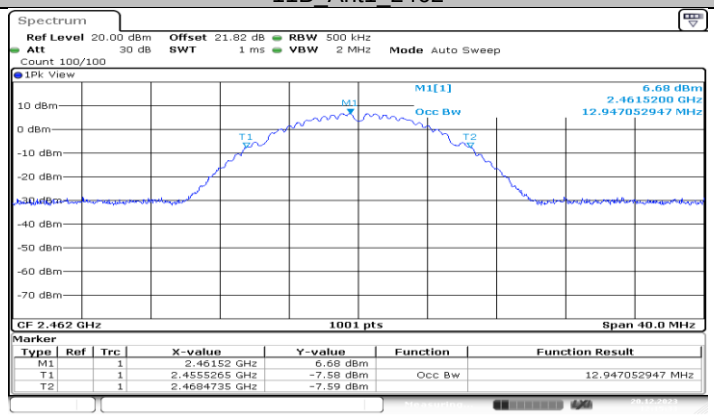
11B_Ant1_2437



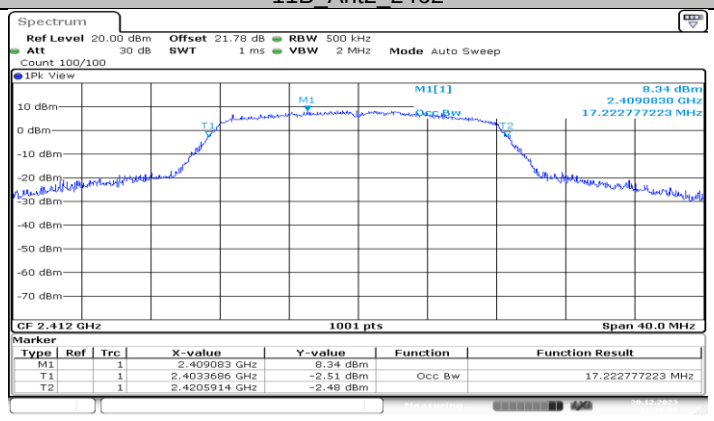
11B_Ant2_2437



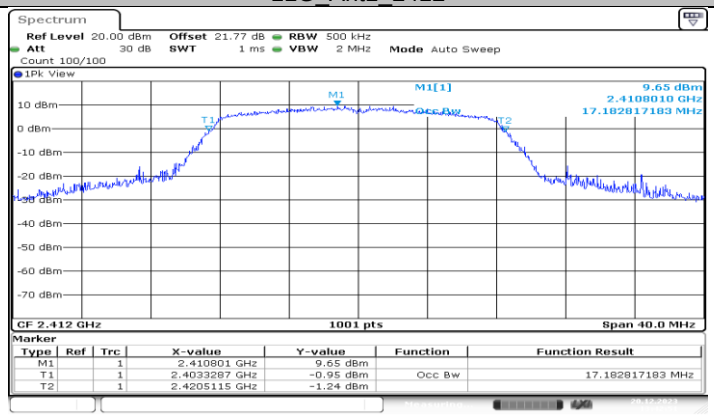
11B_Ant1_2462



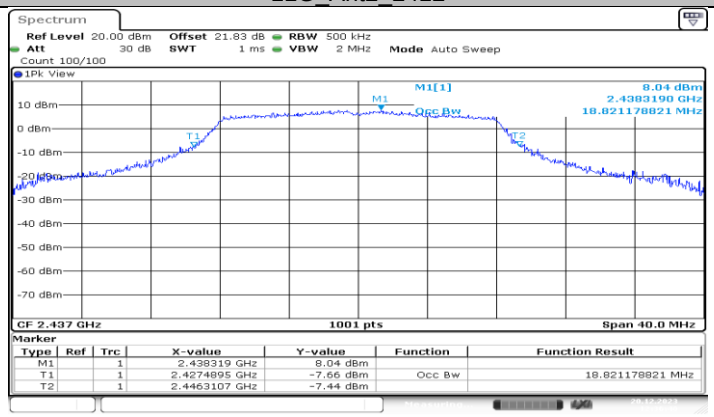
11B_Ant2_2462



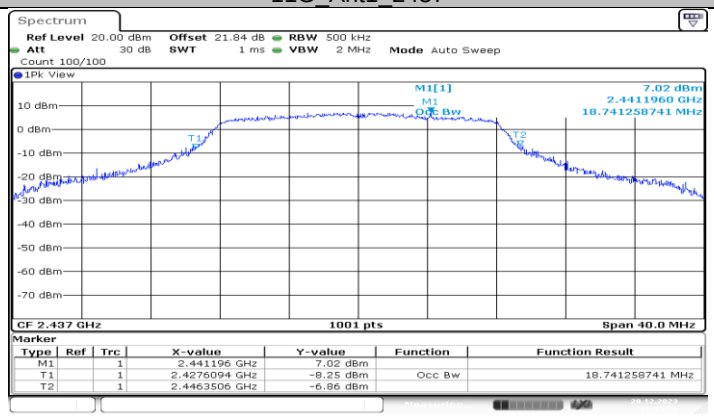
11G_Ant1_2412



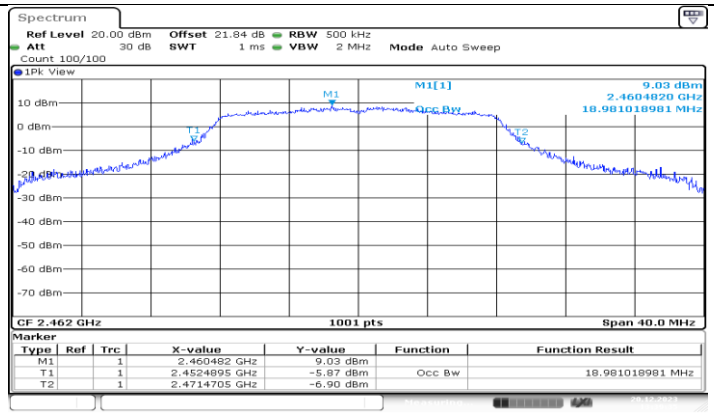
11G_Ant2_2412



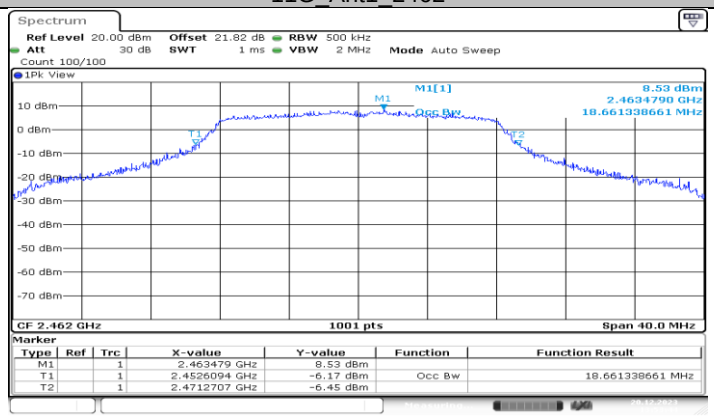
11G_Ant1_2437



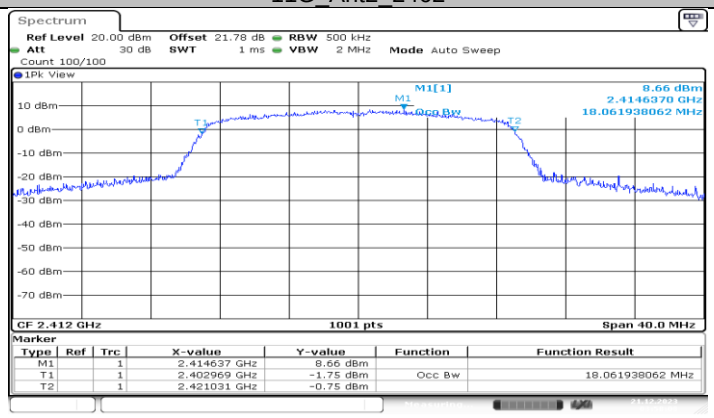
11G_Ant2_2437



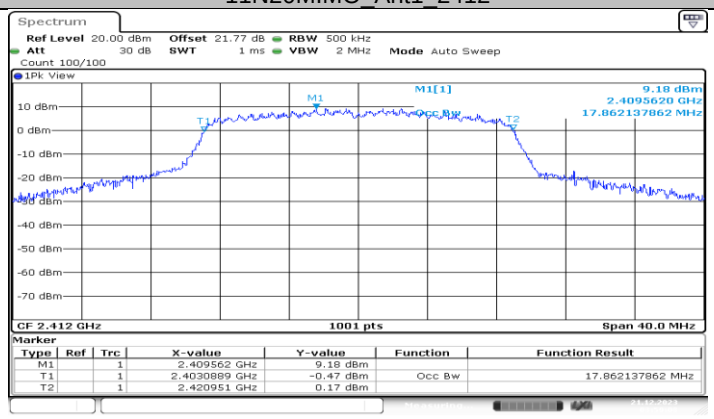
11G_Ant1_2462



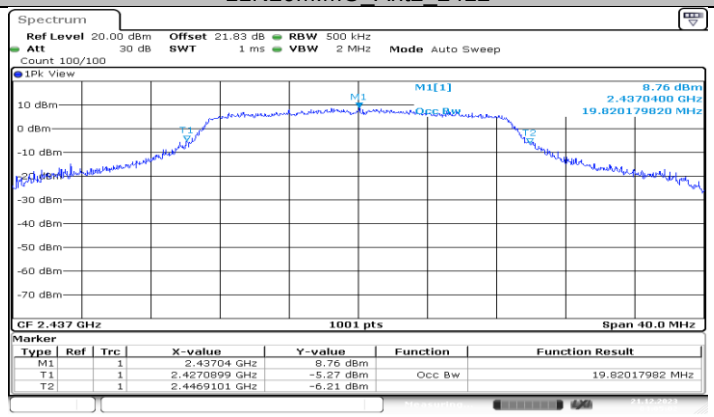
11G_Ant2_2462



11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412



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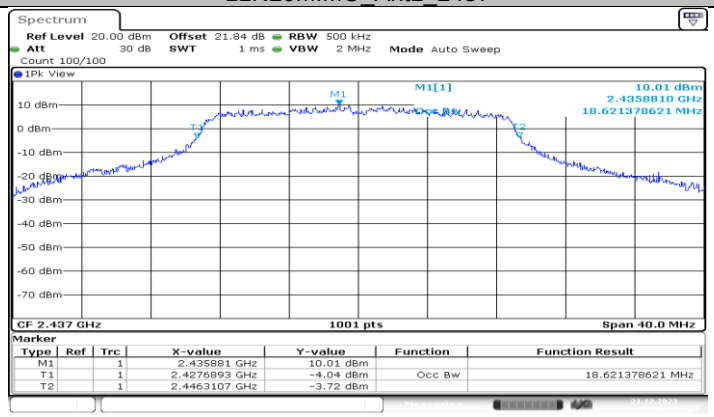
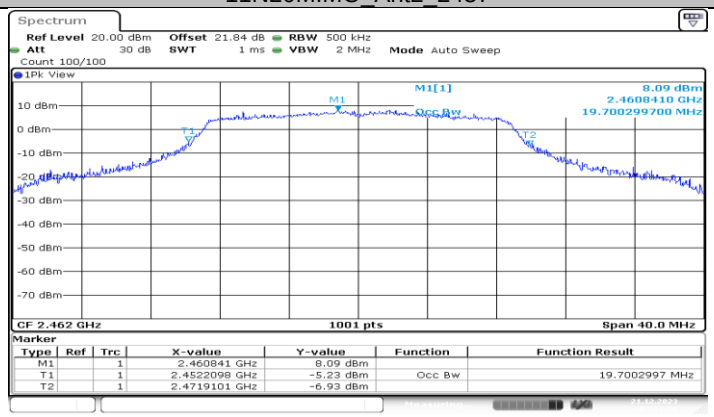


11N20MIMO_Ant2_2437



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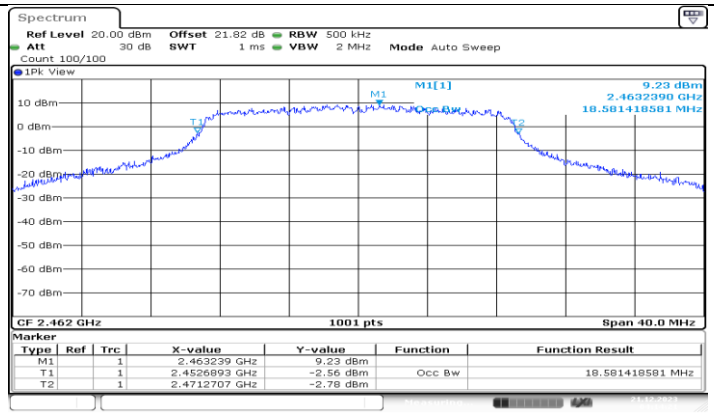
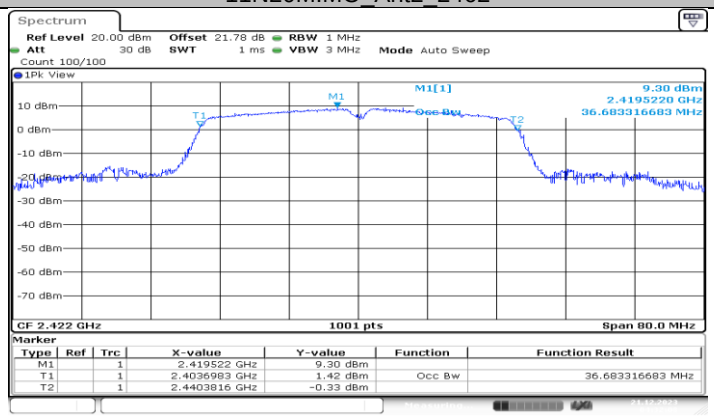
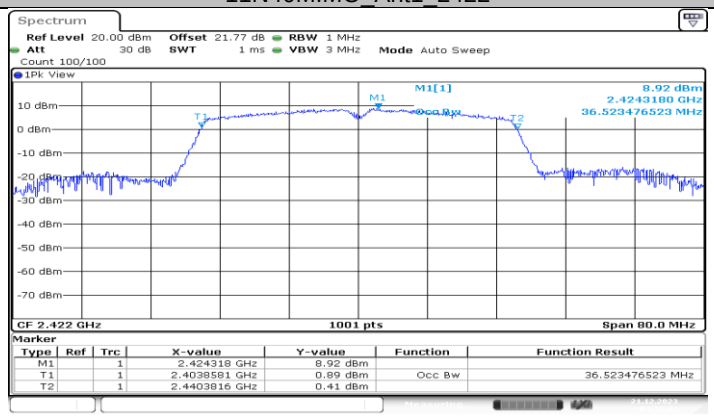


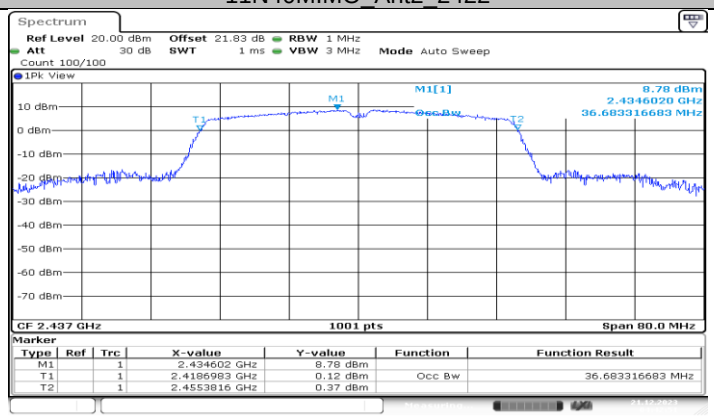
11N20MIMO_Ant2_2462



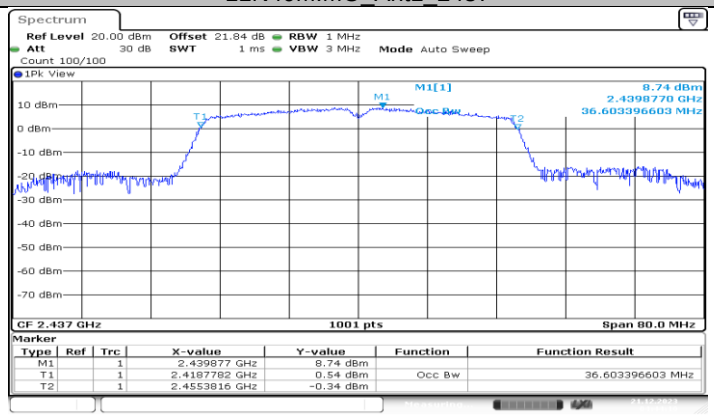
11N40MIMO_Ant1_2422



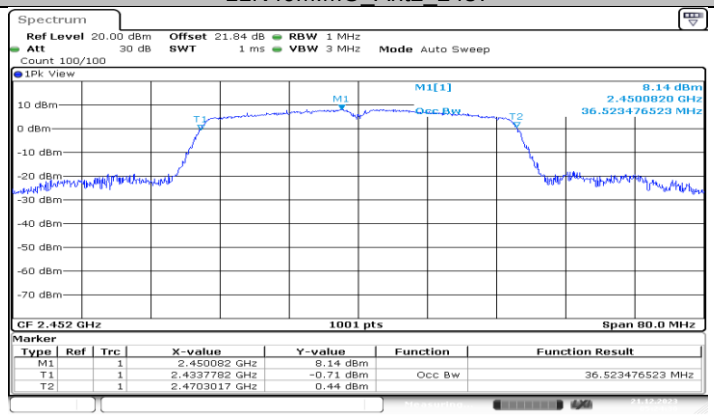
11N40MIMO_Ant2_2422



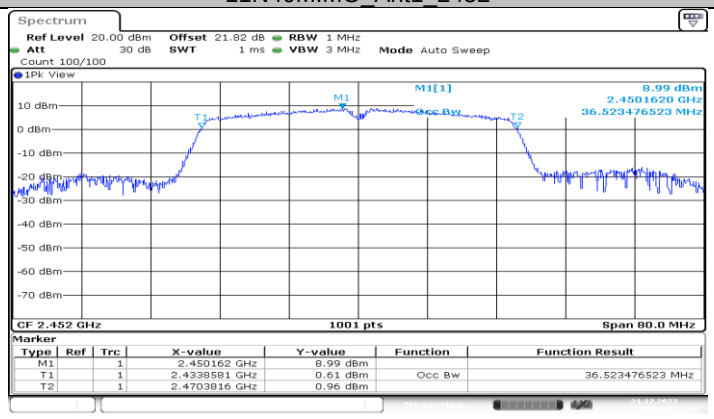
11N40MIMO_Ant1_2437



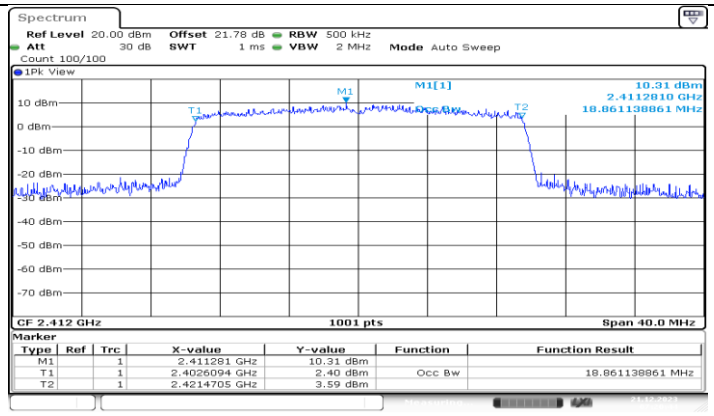
11N40MIMO_Ant2_2437



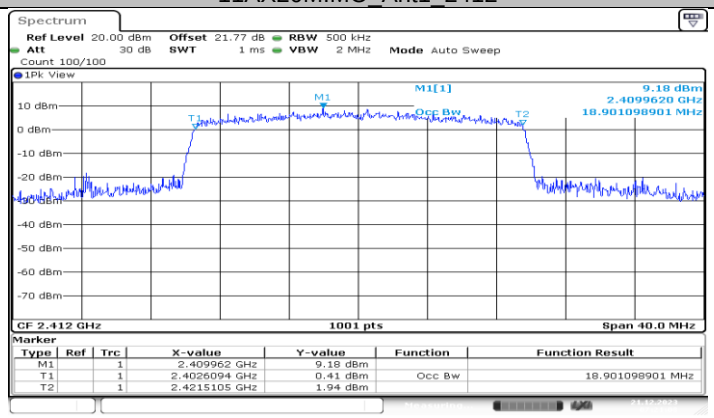
11N40MIMO_Ant1_2452



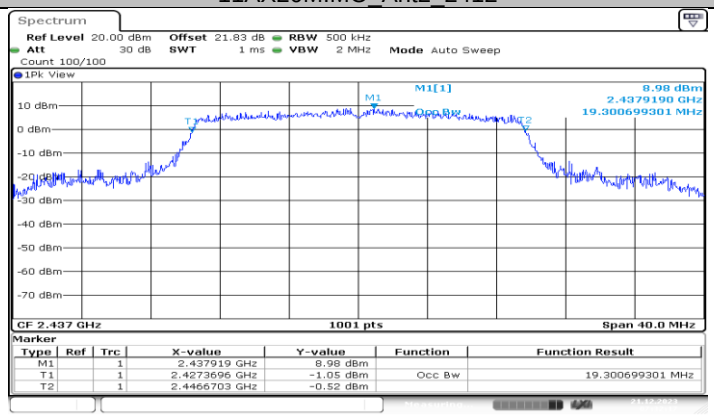
11N40MIMO_Ant2_2452



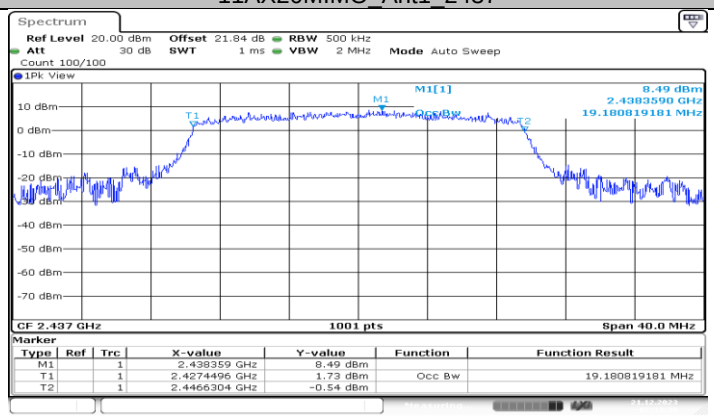
11AX20MIMO_Ant1_2412



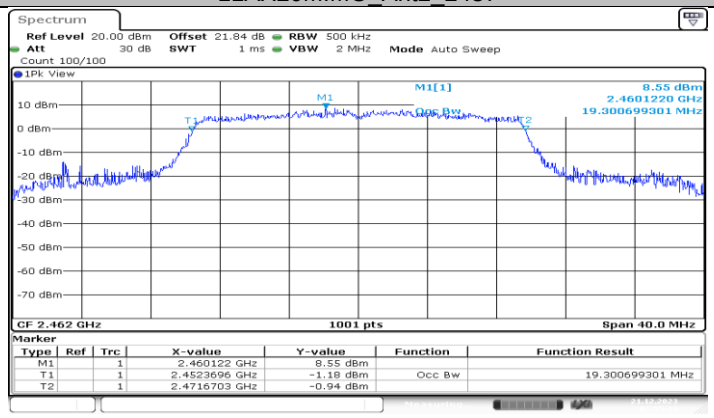
11AX20MIMO_Ant2_2412



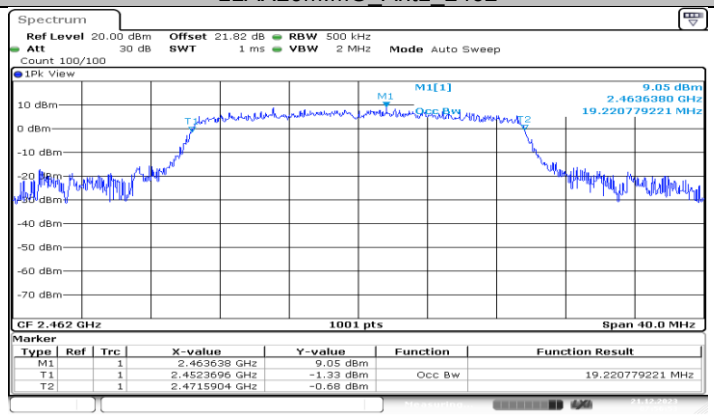
11AX20MIMO_Ant1_2437



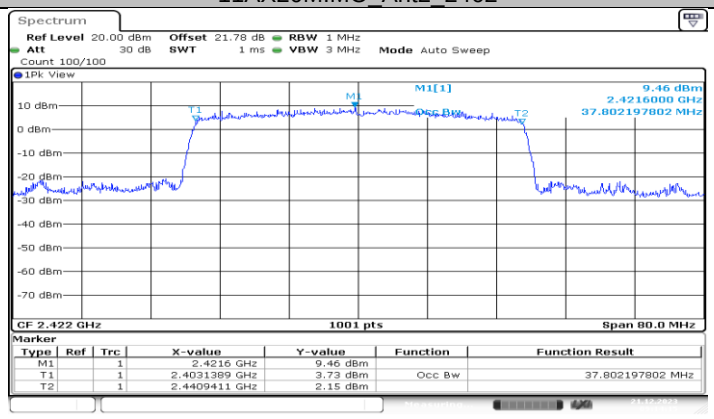
11AX20MIMO_Ant2_2437



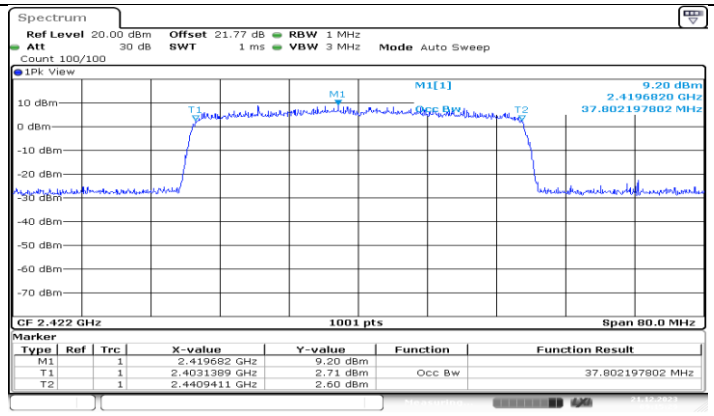
11AX20MIMO_Ant1_2462



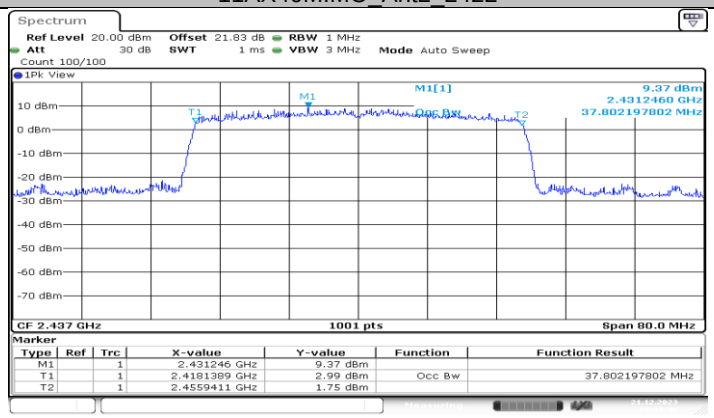
11AX20MIMO_Ant2_2462



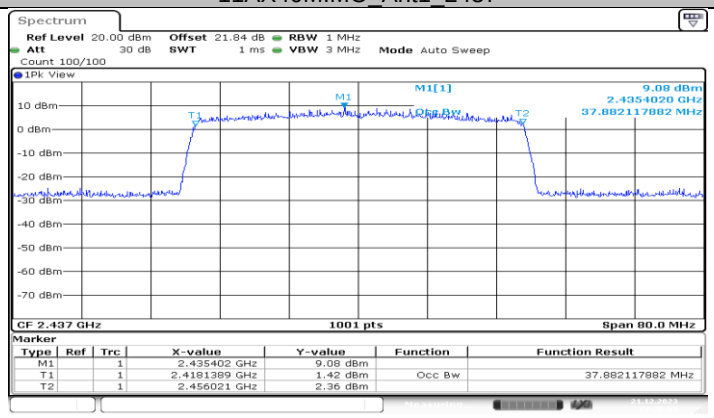
11AX40MIMO_Ant1_2422



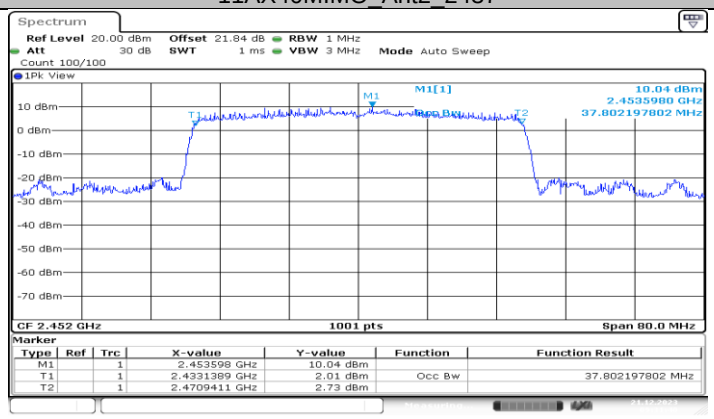
11AX40MIMO_Ant2_2422

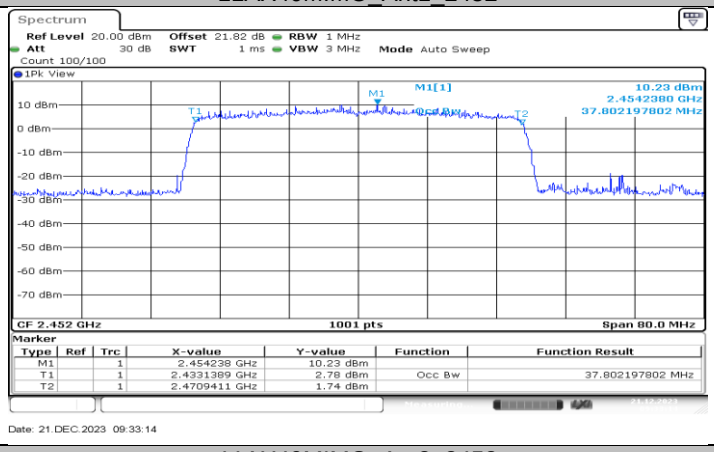


11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452

11AX40MIMO_Ant2_2452

11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.55	≤30.00	PASS
	Ant2	2412	13.77	≤30.00	PASS
	Ant1	2437	14.35	≤30.00	PASS
	Ant2	2437	14.17	≤30.00	PASS
	Ant1	2462	14.13	≤30.00	PASS
	Ant2	2462	13.78	≤30.00	PASS
11G	Ant1	2412	13.67	≤30.00	PASS
	Ant2	2412	14.00	≤30.00	PASS
	Ant1	2437	13.74	≤30.00	PASS
	Ant2	2437	14.15	≤30.00	PASS
	Ant1	2462	14.12	≤30.00	PASS
	Ant2	2462	13.86	≤30.00	PASS
11N20MIMO	Ant1	2412	14.28	≤30.00	PASS
	Ant2	2412	13.60	≤30.00	PASS
	total	2412	16.96	≤30.00	PASS
	Ant1	2437	14.29	≤30.00	PASS
	Ant2	2437	14.32	≤30.00	PASS
	total	2437	17.32	≤30.00	PASS
	Ant1	2462	14.40	≤30.00	PASS
	Ant2	2462	13.89	≤30.00	PASS
	total	2462	17.16	≤30.00	PASS
11N40MIMO	Ant1	2422	13.05	≤30.00	PASS
	Ant2	2422	12.12	≤30.00	PASS
	total	2422	15.62	≤30.00	PASS
	Ant1	2437	13.90	≤30.00	PASS
	Ant2	2437	13.61	≤30.00	PASS
	total	2437	16.77	≤30.00	PASS
	Ant1	2452	13.60	≤30.00	PASS
	Ant2	2452	13.55	≤30.00	PASS
	total	2452	16.59	≤30.00	PASS
11AX20MIMO	Ant1	2412	13.03	≤30.00	PASS
	Ant2	2412	11.65	≤30.00	PASS
	total	2412	15.40	≤30.00	PASS
	Ant1	2437	12.46	≤30.00	PASS
	Ant2	2437	12.32	≤30.00	PASS
	total	2437	15.40	≤30.00	PASS
	Ant1	2462	12.19	≤30.00	PASS
	Ant2	2462	12.08	≤30.00	PASS
	total	2462	15.15	≤30.00	PASS
11AX40MIMO	Ant1	2422	12.46	≤30.00	PASS
	Ant2	2422	12.31	≤30.00	PASS
	total	2422	15.40	≤30.00	PASS
	Ant1	2437	12.11	≤30.00	PASS
	Ant2	2437	12.08	≤30.00	PASS
	total	2437	15.11	≤30.00	PASS
	Ant1	2452	12.97	≤30.00	PASS
	Ant2	2452	12.67	≤30.00	PASS
	total	2452	15.83	≤30.00	PASS

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

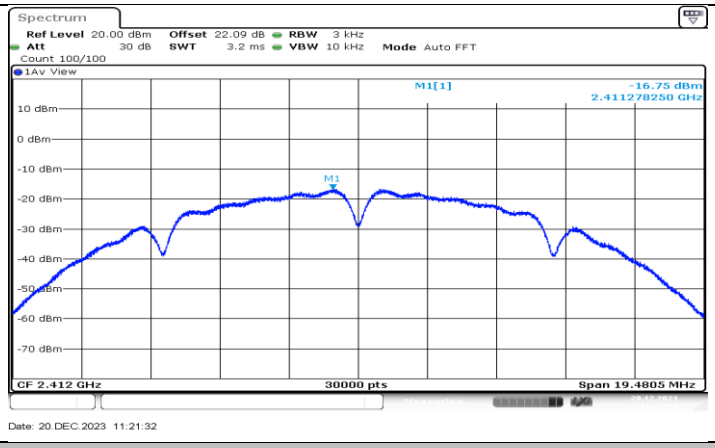
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

11.4.1. Test Result

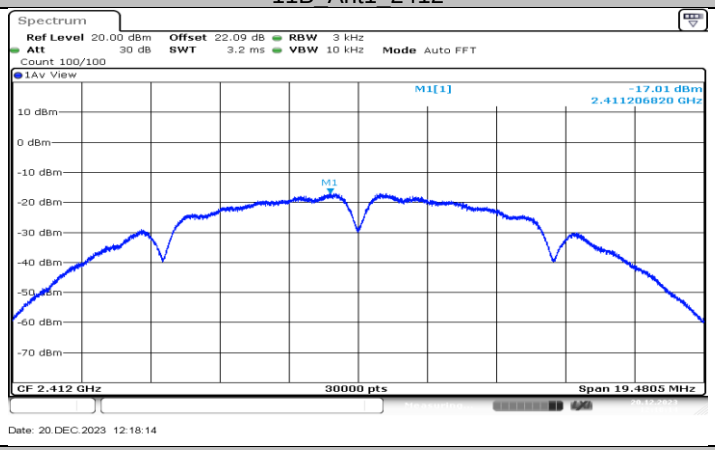
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.75	≤8.00	PASS
	Ant2	2412	-17.01	≤8.00	PASS
	Ant1	2437	-17.02	≤8.00	PASS
	Ant2	2437	-16.76	≤8.00	PASS
	Ant1	2462	-17.64	≤8.00	PASS
	Ant2	2462	-17.14	≤8.00	PASS
11G	Ant1	2412	-18.94	≤8.00	PASS
	Ant2	2412	-18.83	≤8.00	PASS
	Ant1	2437	-19.75	≤8.00	PASS
	Ant2	2437	-19.79	≤8.00	PASS
	Ant1	2462	-19.03	≤8.00	PASS
	Ant2	2462	-19.81	≤8.00	PASS
11N20MIMO	Ant1	2412	-18.78	≤8.00	PASS
	Ant2	2412	-19.52	≤8.00	PASS
	total	2412	-16.12	≤8.00	PASS
	Ant1	2437	-18.36	≤8.00	PASS
	Ant2	2437	-19.16	≤8.00	PASS
	total	2437	-15.73	≤8.00	PASS
	Ant1	2462	-18.68	≤8.00	PASS
	Ant2	2462	-19.22	≤8.00	PASS
	total	2462	-15.93	≤8.00	PASS
11N40MIMO	Ant1	2422	-21.96	≤8.00	PASS
	Ant2	2422	-23.03	≤8.00	PASS
	total	2422	-19.45	≤8.00	PASS
	Ant1	2437	-19.89	≤8.00	PASS
	Ant2	2437	-20.65	≤8.00	PASS
	total	2437	-17.24	≤8.00	PASS
	Ant1	2452	-20.66	≤8.00	PASS
	Ant2	2452	-20.90	≤8.00	PASS
	total	2452	-17.77	≤8.00	PASS
11AX20MIMO	Ant1	2412	-19.31	≤8.00	PASS
	Ant2	2412	-20.80	≤8.00	PASS
	total	2412	-16.98	≤8.00	PASS
	Ant1	2437	-19.49	≤8.00	PASS
	Ant2	2437	-19.95	≤8.00	PASS
	total	2437	-16.70	≤8.00	PASS
	Ant1	2462	-19.78	≤8.00	PASS
	Ant2	2462	-20.09	≤8.00	PASS
	total	2462	-16.92	≤8.00	PASS
11AX40MIMO	Ant1	2422	-23.48	≤8.00	PASS
	Ant2	2422	-23.54	≤8.00	PASS
	total	2422	-20.50	≤8.00	PASS
	Ant1	2437	-23.31	≤8.00	PASS
	Ant2	2437	-23.69	≤8.00	PASS
	total	2437	-20.49	≤8.00	PASS
	Ant1	2452	-22.92	≤8.00	PASS
	Ant2	2452	-22.08	≤8.00	PASS
	total	2452	-19.47	≤8.00	PASS

Note: 1. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.

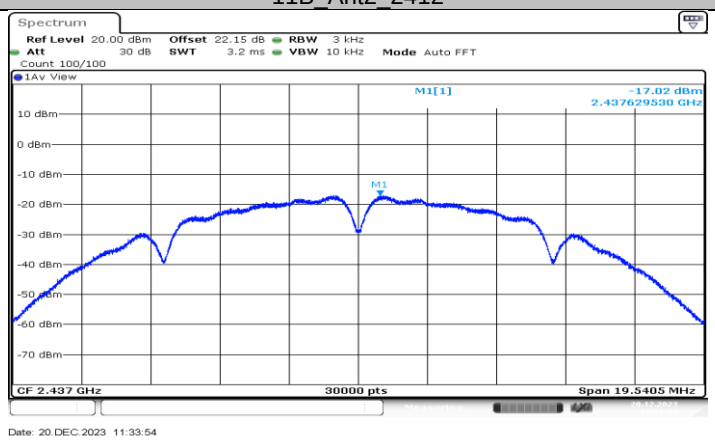
11.4.2. Test Graphs



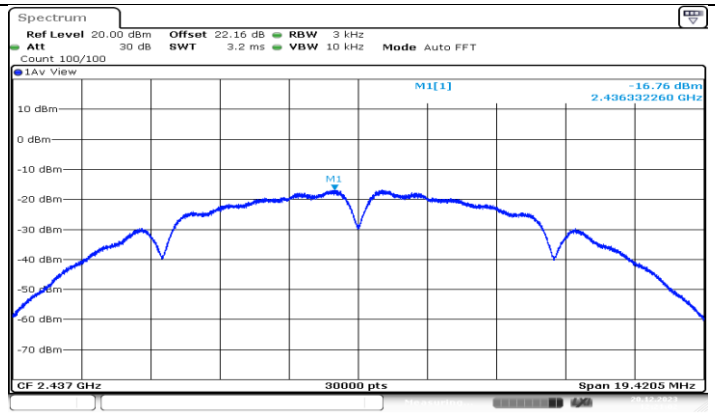
11B_Ant1_2412



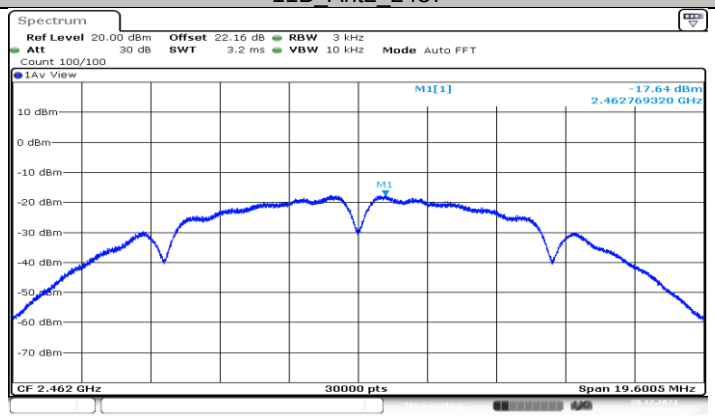
11B_Ant2_2412



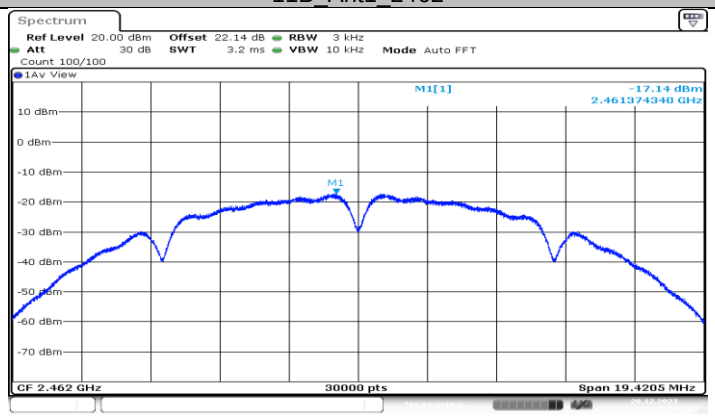
11B_Ant1_2437



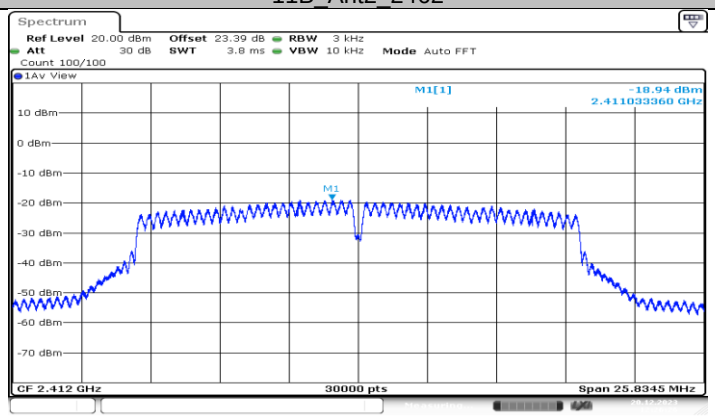
11B_Ant2_2437



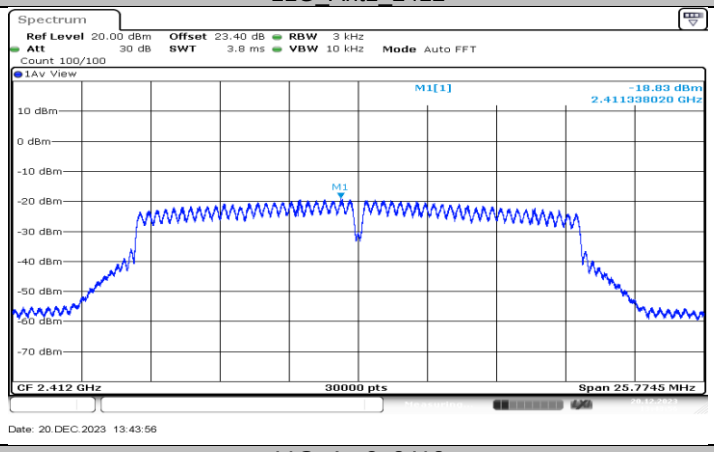
11B_Ant1_2462



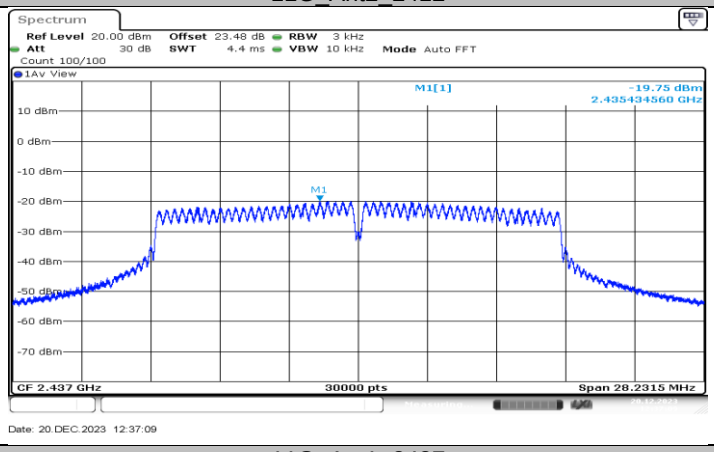
11B_Ant2_2462



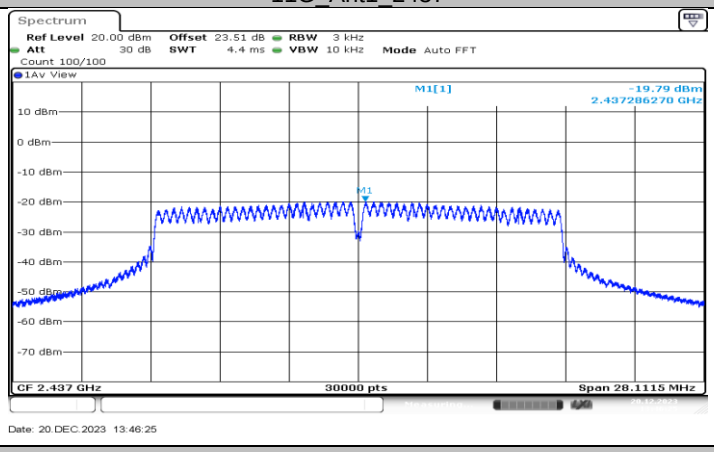
11G_Ant1_2412



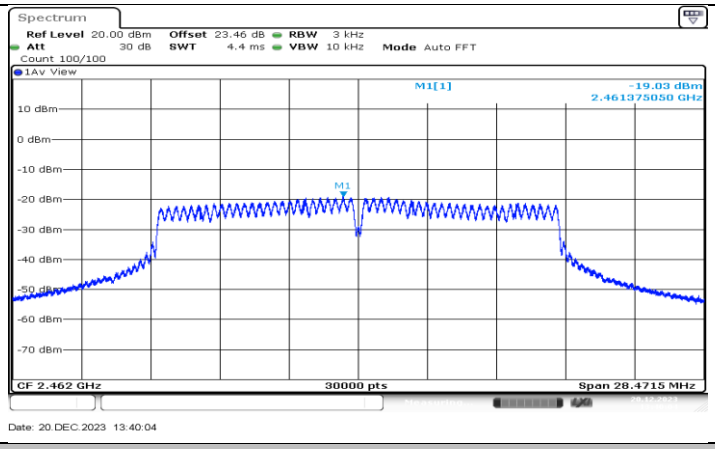
11G_Ant2_2412



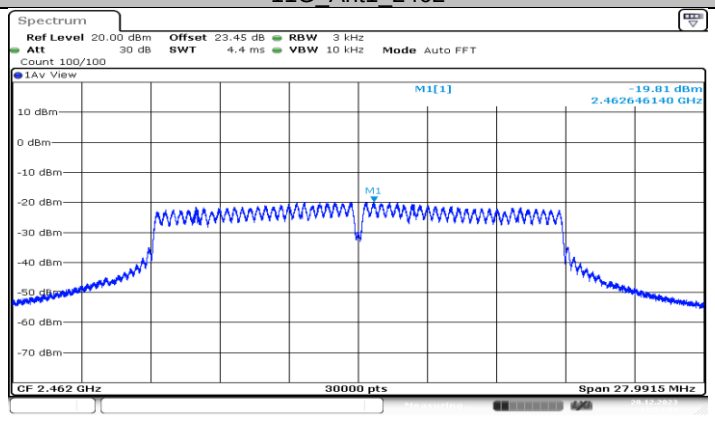
11G_Ant1_2437



11G_Ant2_2437



11G_Ant1_2462



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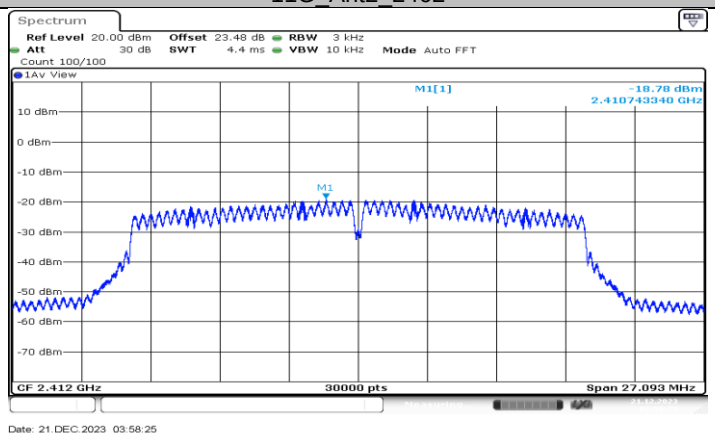
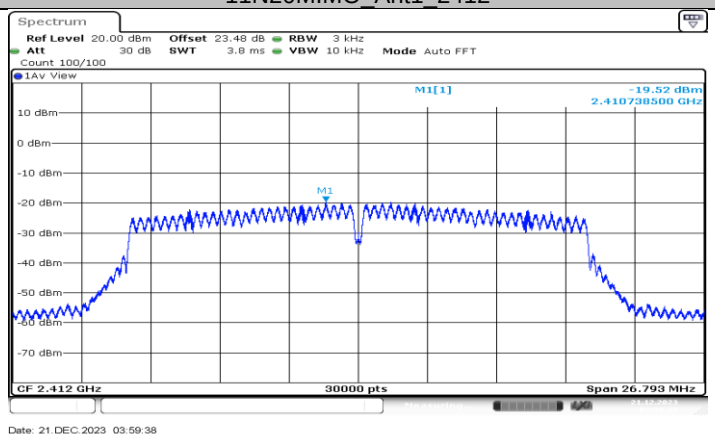
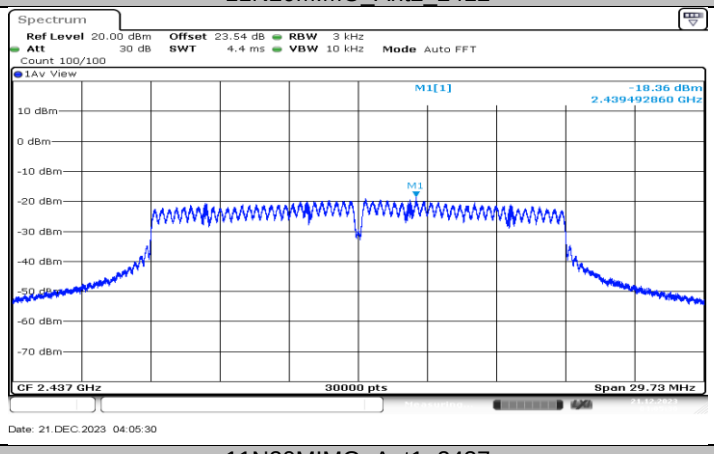
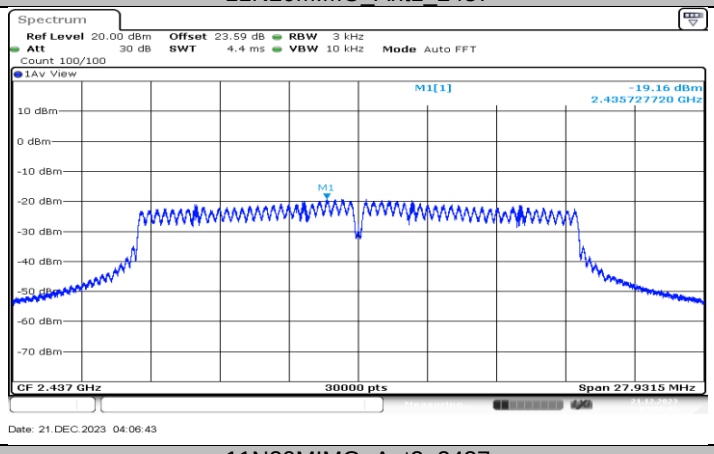


11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412

11N20MIMO_Ant1_2437

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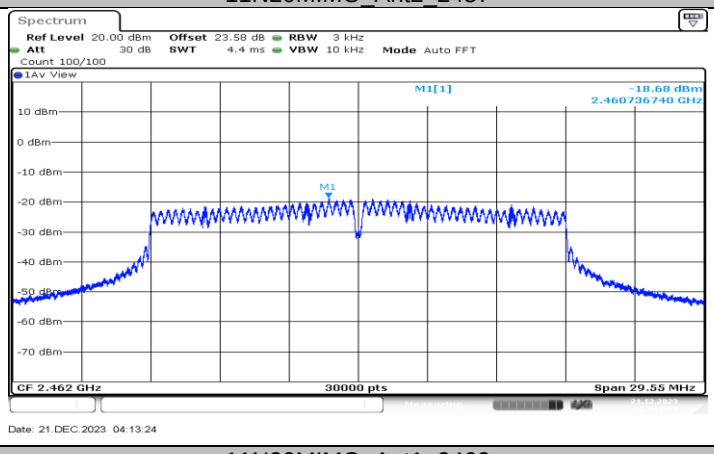
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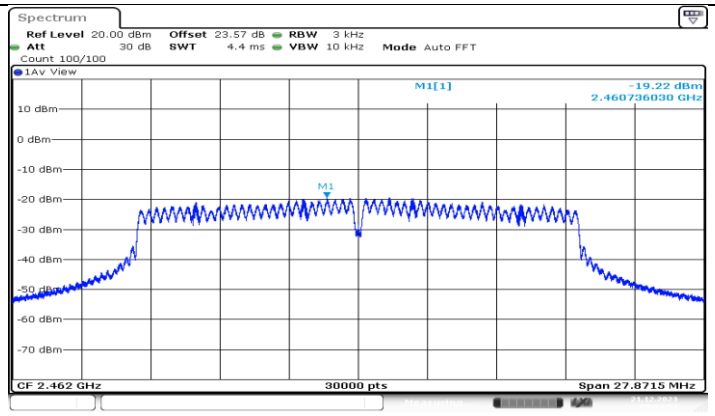

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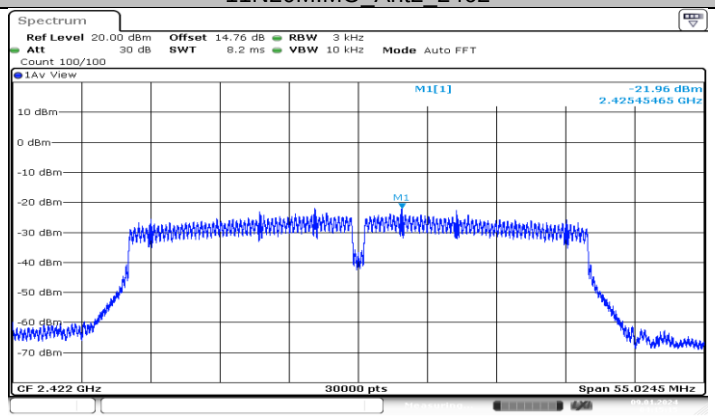
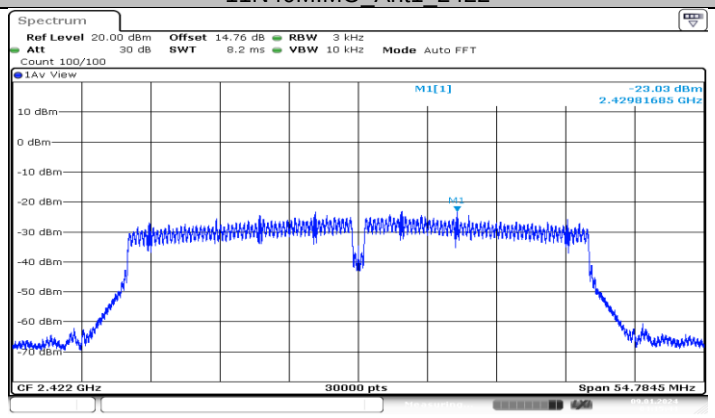


11N40MIMO_Ant1_2422



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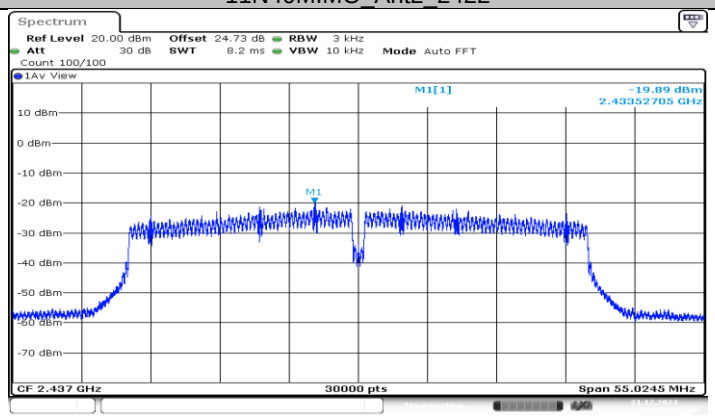

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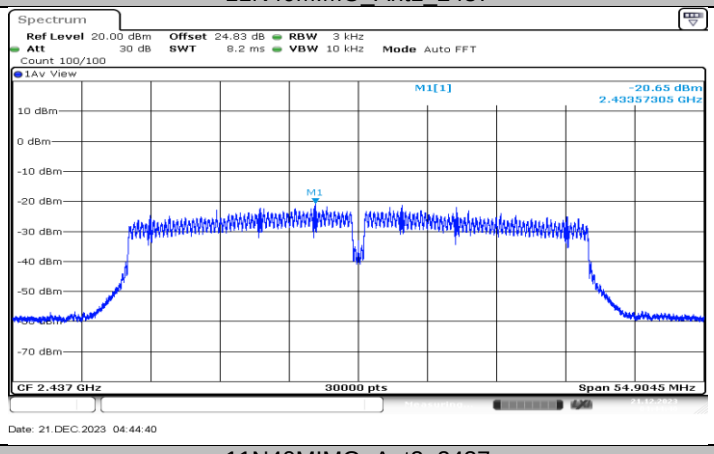

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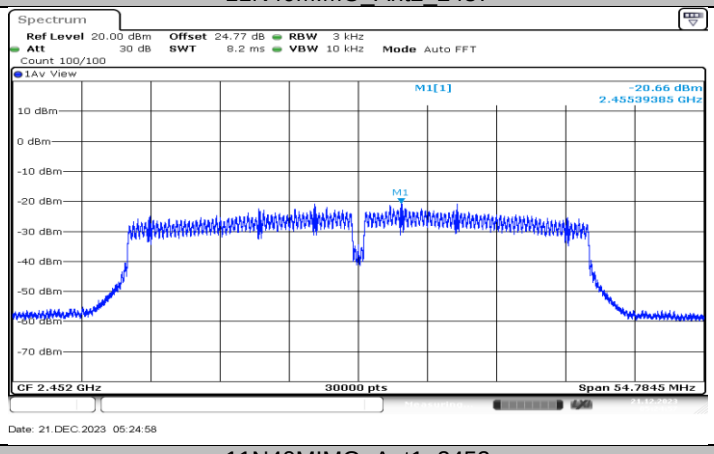
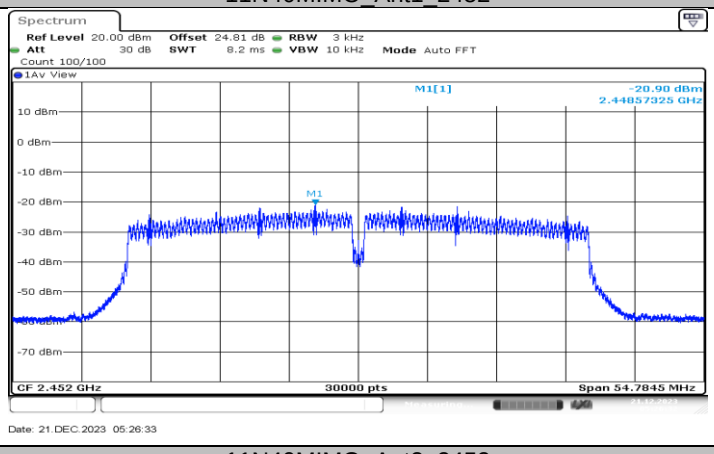


11N40MIMO_Ant1_2452



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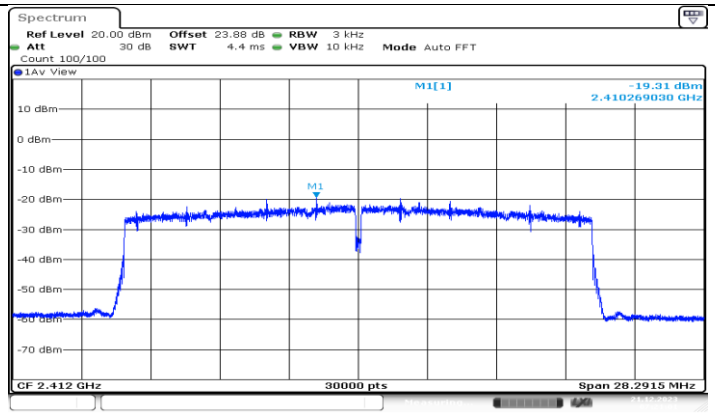
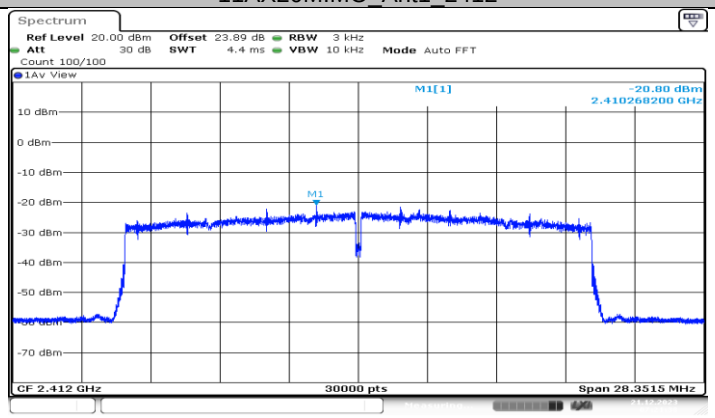


11AX20MIMO_Ant1_2412



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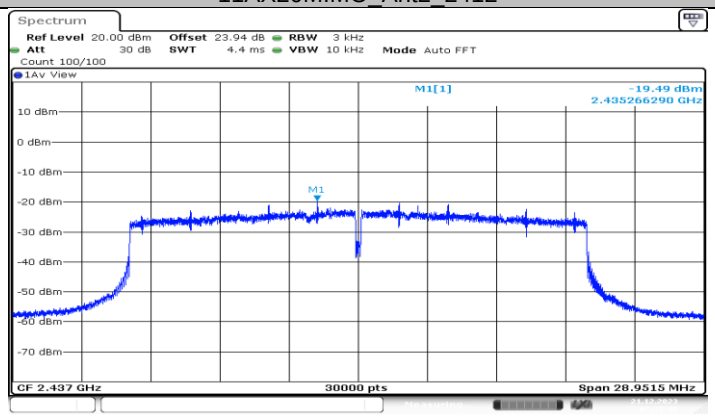

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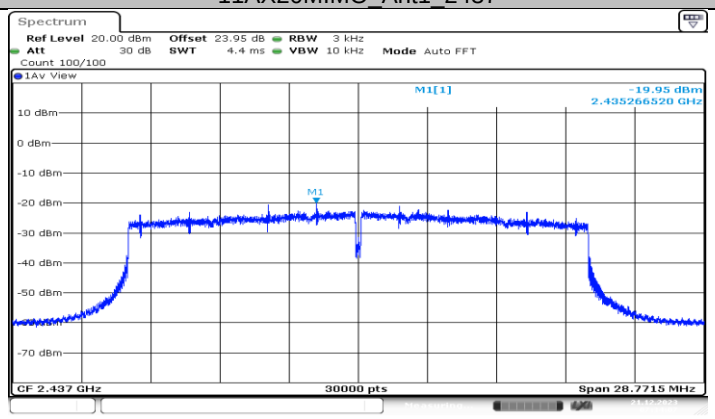

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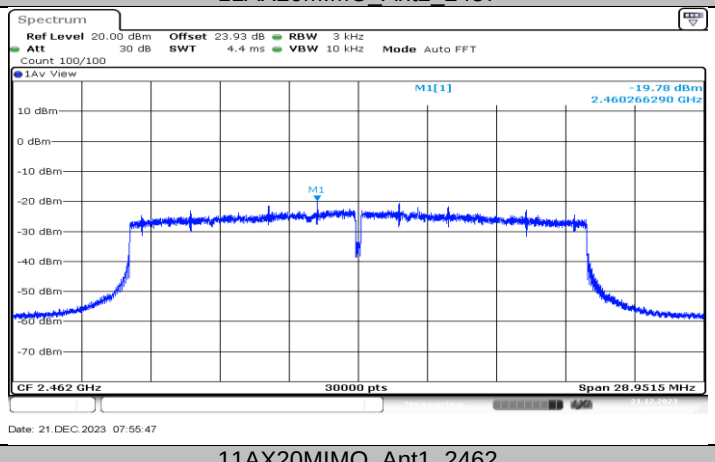
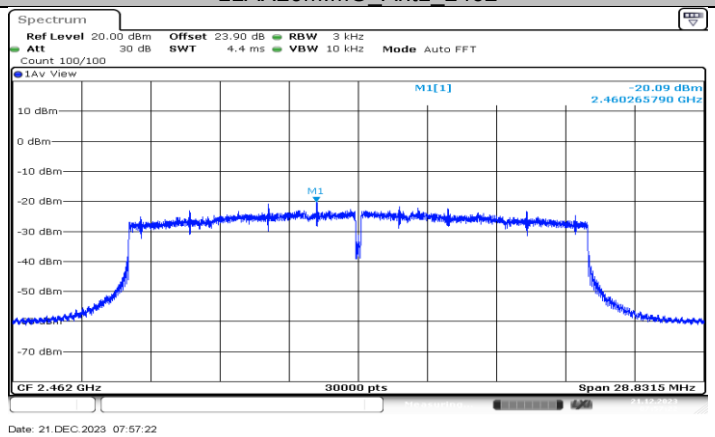

11AX20MIMO_Ant1_2462

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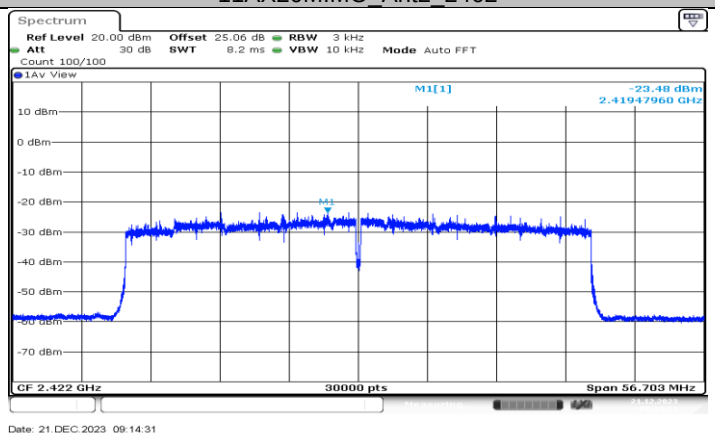
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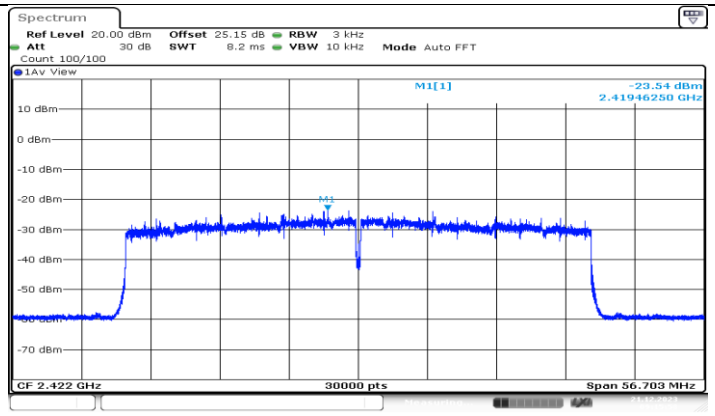
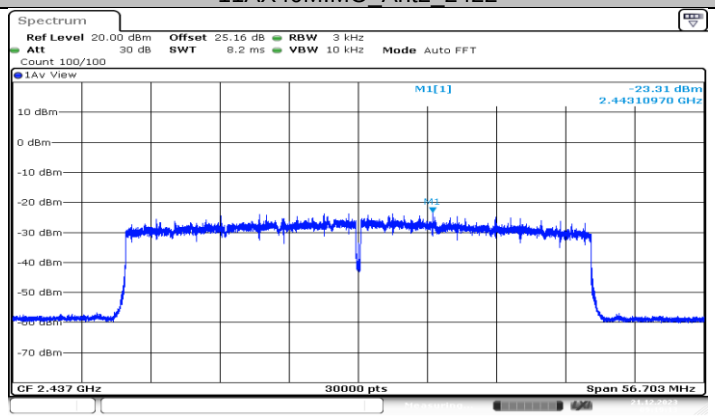


11AX40MIMO_Ant2_2422



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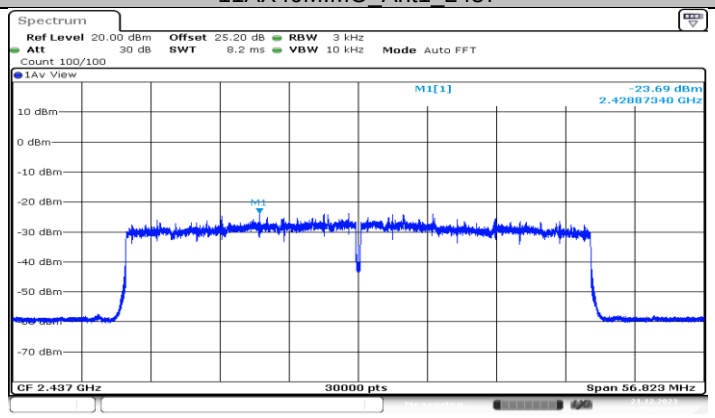

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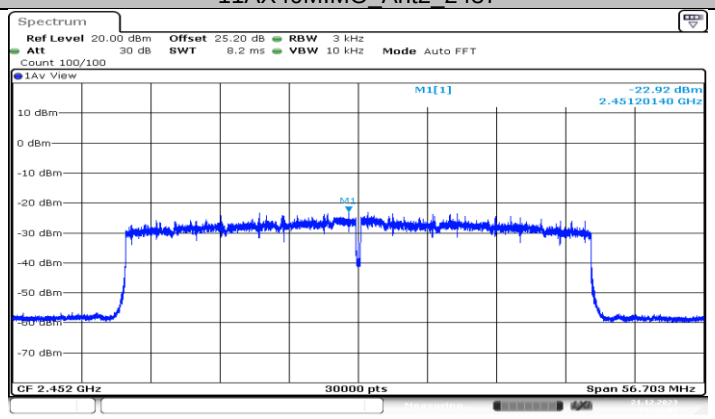
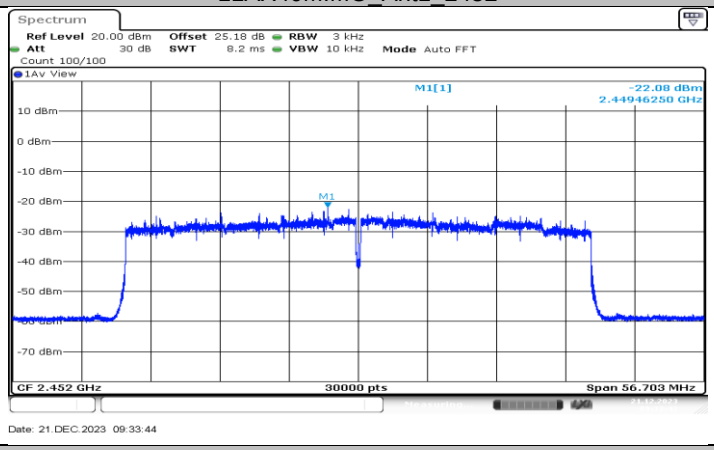


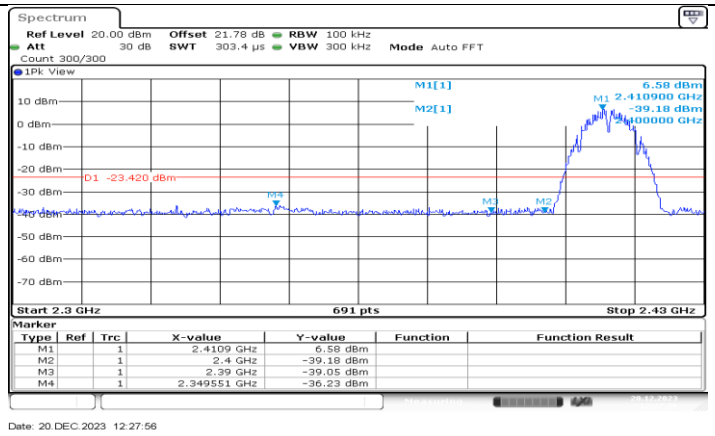
11AX40MIMO_Ant1_2452

11AX40MIMO_Ant2_2452

11.5. APPENDIX E: BAND EDGE MEASUREMENTS

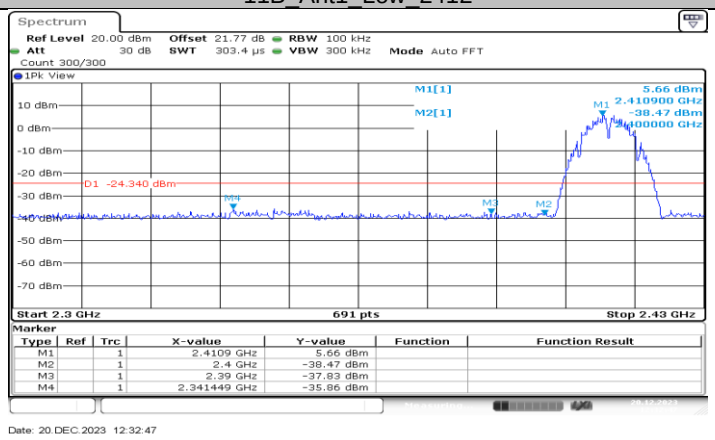
11.5.1. Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.58	-36.23	≤-23.42	PASS
	Ant2	Low	2412	5.66	-35.86	≤-24.34	PASS
	Ant1	High	2462	5.81	-35.95	≤-24.19	PASS
	Ant2	High	2462	5.51	-36.48	≤-24.49	PASS
11G	Ant1	Low	2412	3.83	-28.84	≤-26.17	PASS
	Ant2	Low	2412	1.61	-30.71	≤-28.39	PASS
	Ant1	High	2462	3.70	-36.28	≤-26.3	PASS
	Ant2	High	2462	3.21	-36.37	≤-26.79	PASS
11N20MIMO	Ant1	Low	2412	3.37	-28.12	≤-26.63	PASS
	Ant2	Low	2412	2.52	-31.48	≤-27.48	PASS
	Ant1	High	2462	3.74	-42.01	≤-26.26	PASS
	Ant2	High	2462	1.71	-40.79	≤-28.29	PASS
11N40MIMO	Ant1	Low	2422	1.28	-28.73	≤-28.72	PASS
	Ant2	Low	2422	0.50	-32.56	≤-29.5	PASS
	Ant1	High	2452	0.65	-35.1	≤-29.35	PASS
	Ant2	High	2452	0.63	-33.75	≤-29.37	PASS
11AX20MIMO	Ant1	Low	2412	2.34	-35.45	≤-27.66	PASS
	Ant2	Low	2412	-0.29	-34.71	≤-30.29	PASS
	Ant1	High	2462	0.80	-44.02	≤-29.2	PASS
	Ant2	High	2462	0.92	-43.28	≤-29.08	PASS
11AX40MIMO	Ant1	Low	2422	-1.30	-34.62	≤-31.3	PASS
	Ant2	Low	2422	-2.41	-38.82	≤-32.41	PASS
	Ant1	High	2452	-0.65	-36.21	≤-30.65	PASS
	Ant2	High	2452	-0.60	-37.55	≤-30.6	PASS

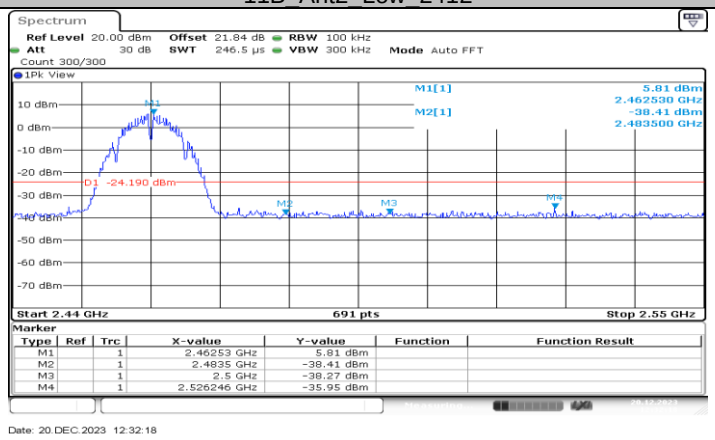
11.5.2. Test Graphs



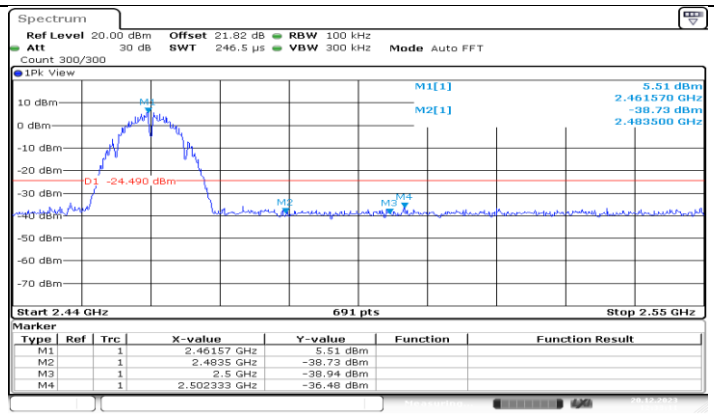
11B_Ant1_Low_2412



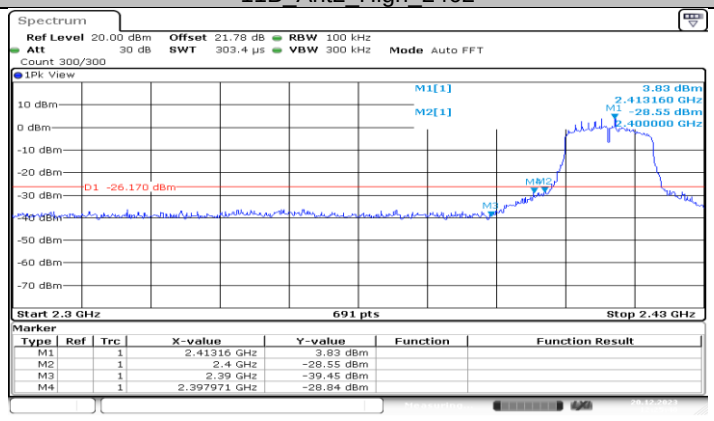
11B_Ant2_Low_2412



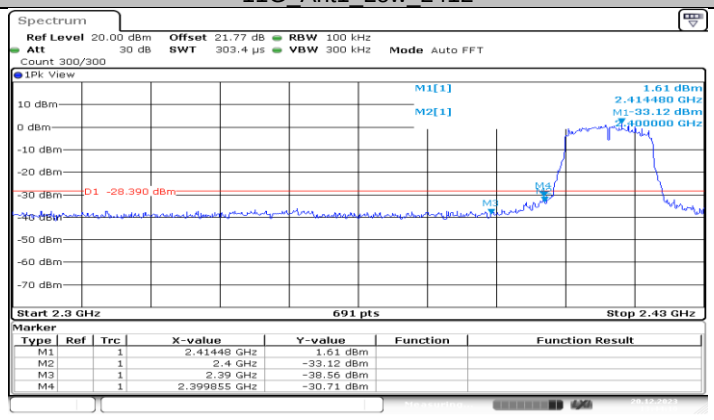
11B_Ant1_High_2462



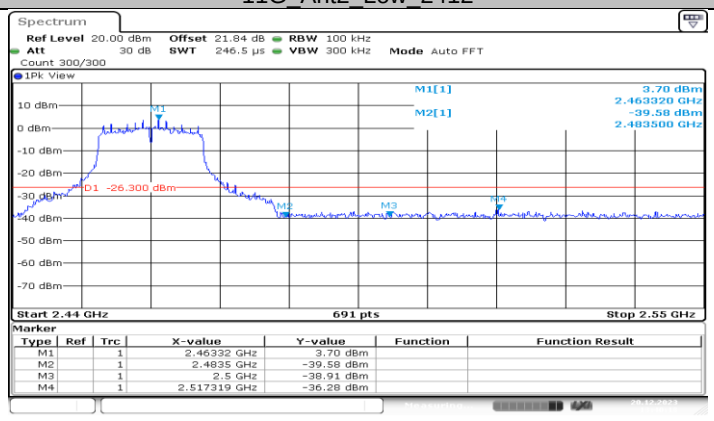
11B_Ant2_High_2462



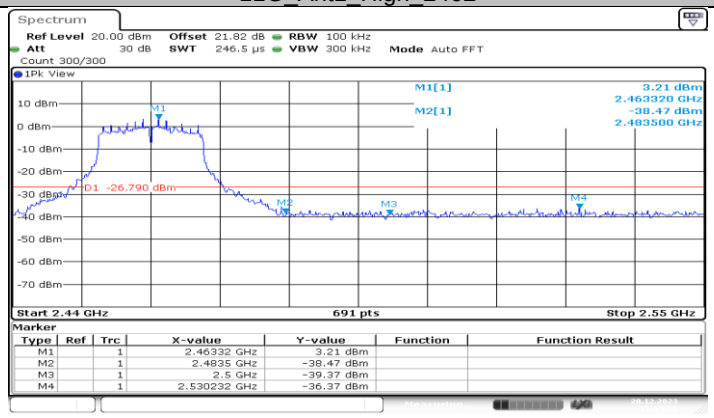
11G_Ant1_Low_2412



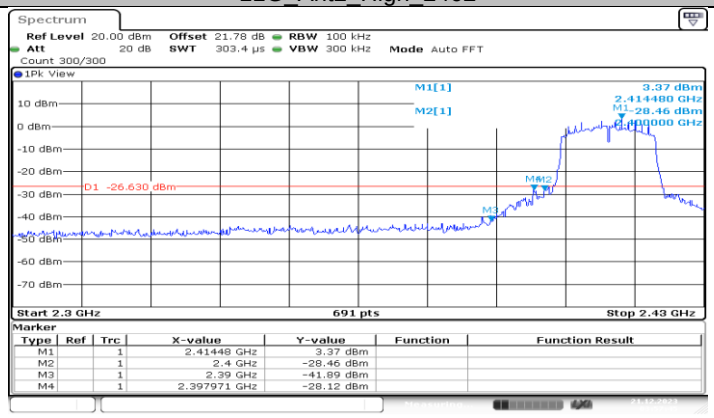
11G_Ant2_Low_2412



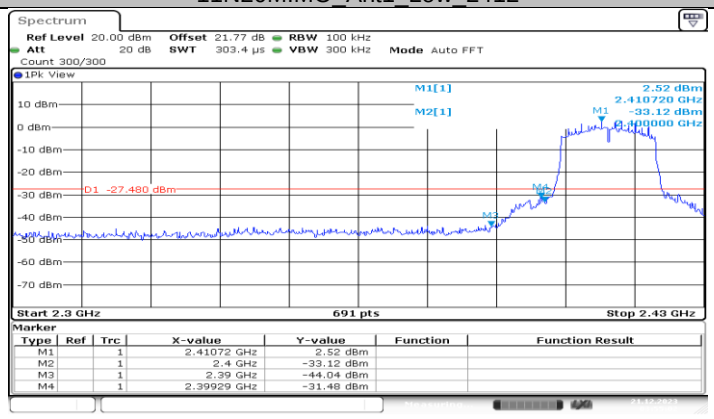
11G_Ant1_High_2462



11G_Ant2_High_2462



11N20MIMO_Ant1_Low_2412



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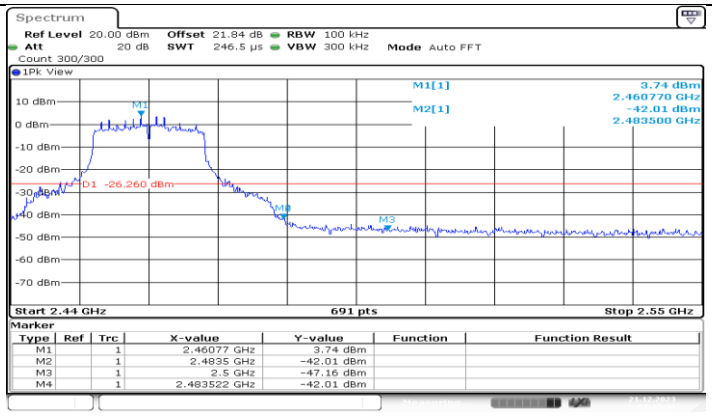

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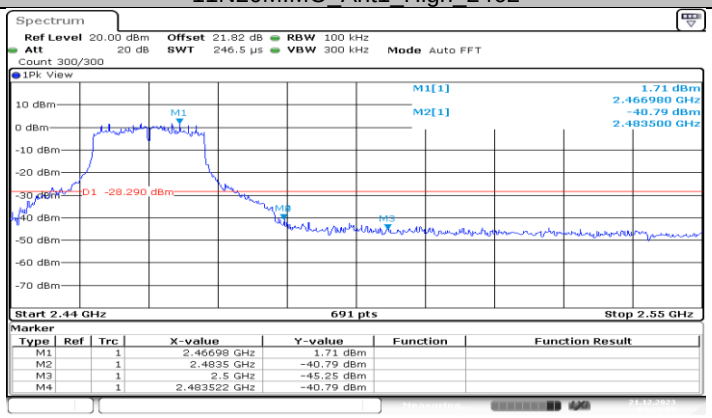

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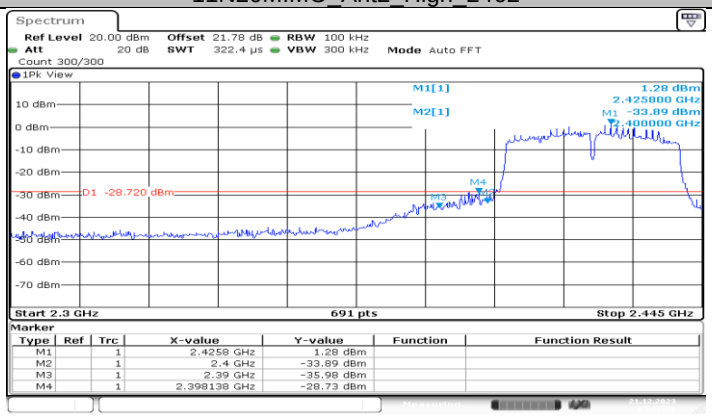
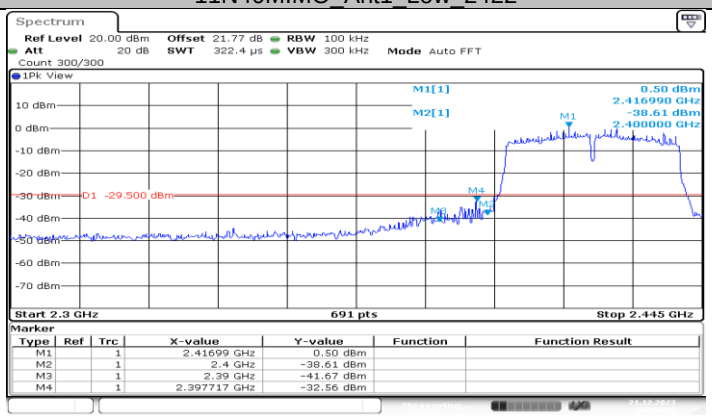


11N40MIMO_Ant1_Low_2422



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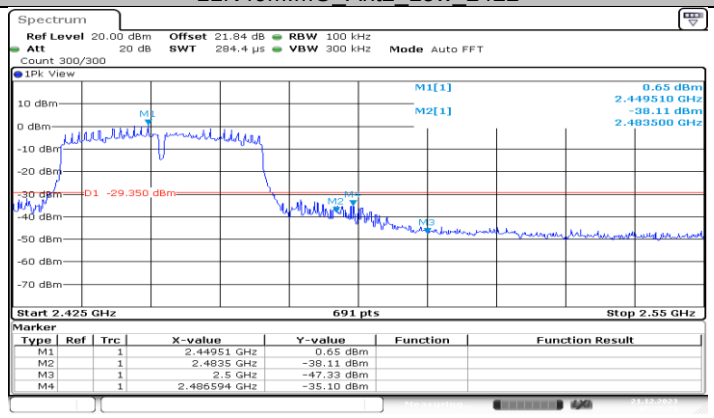
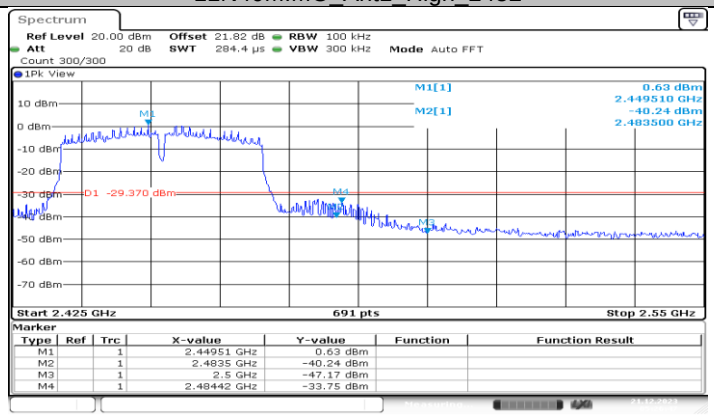


11N40MIMO_Ant1_High_2452



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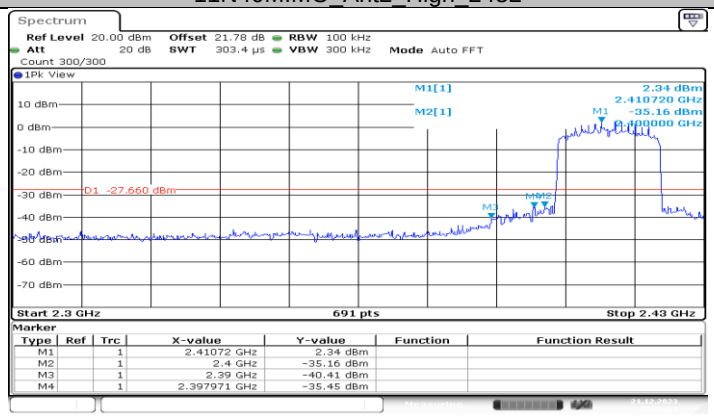

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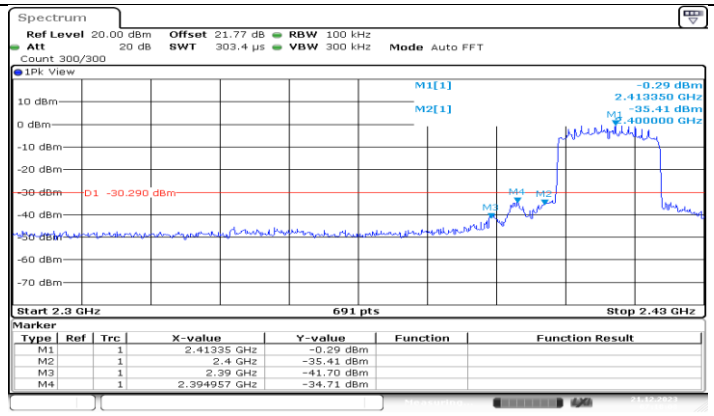

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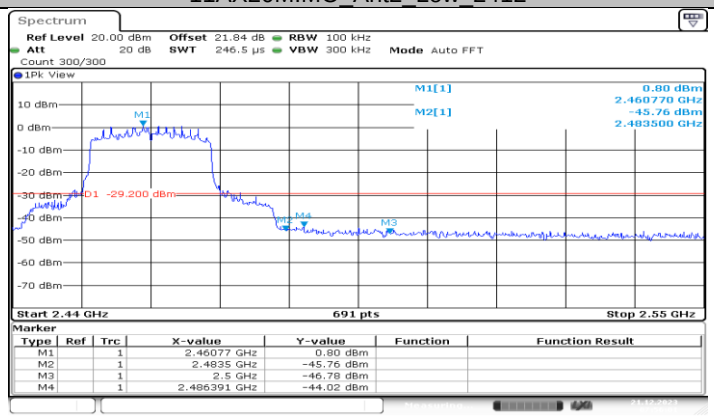

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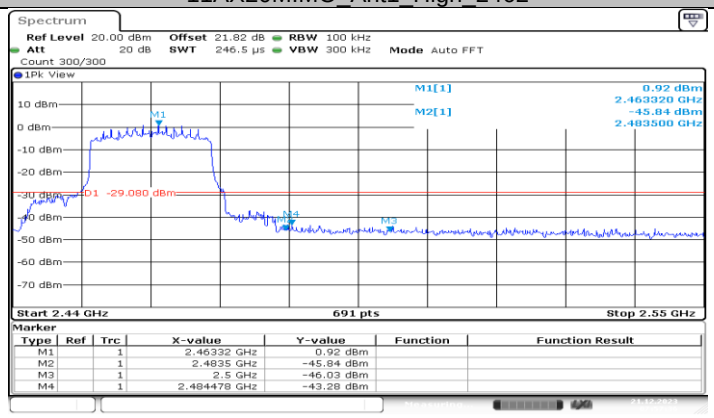

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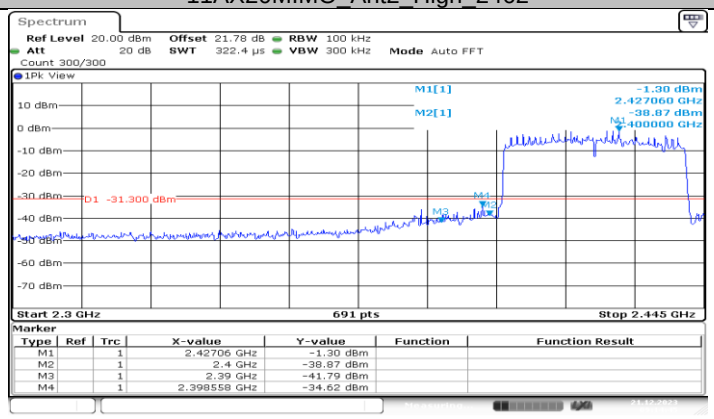

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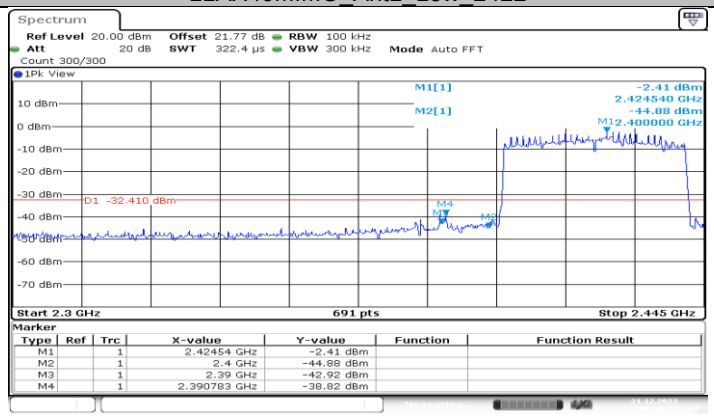
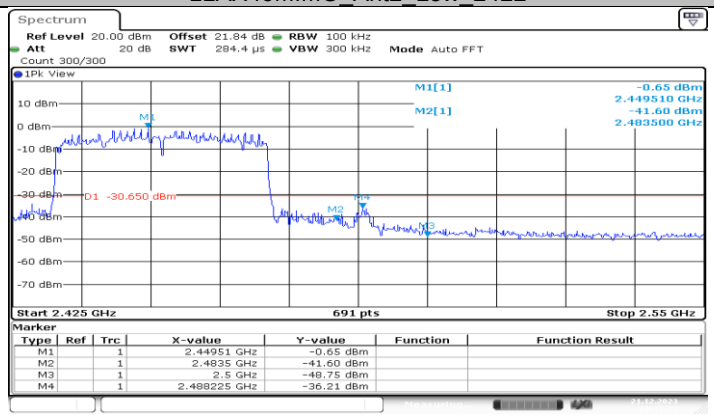
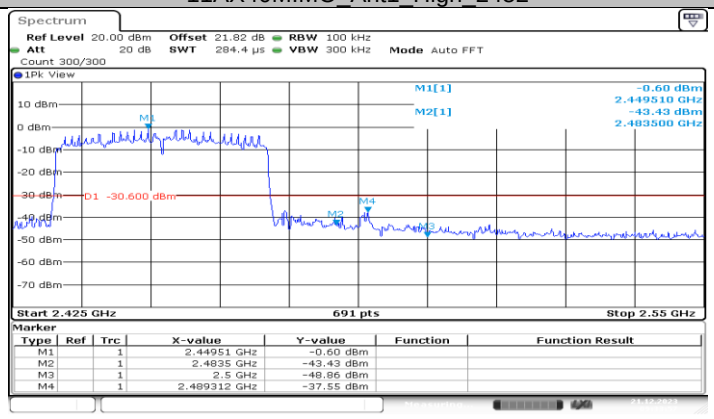


11AX40MIMO_Ant2_Low_2422



11AX40MIMO_Ant1_High_2452



11AX40MIMO_Ant2_High_2452

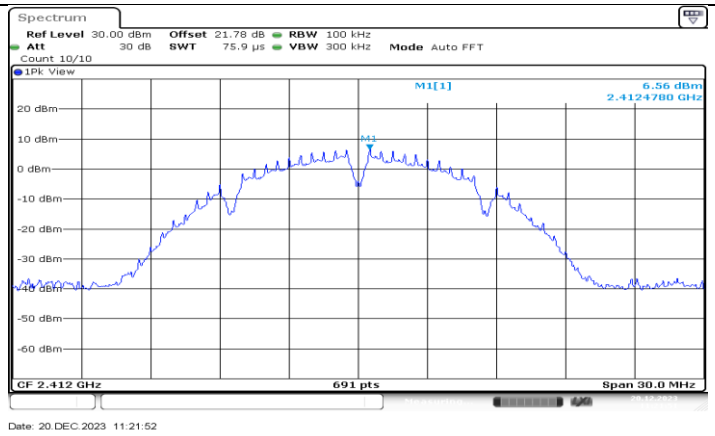
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

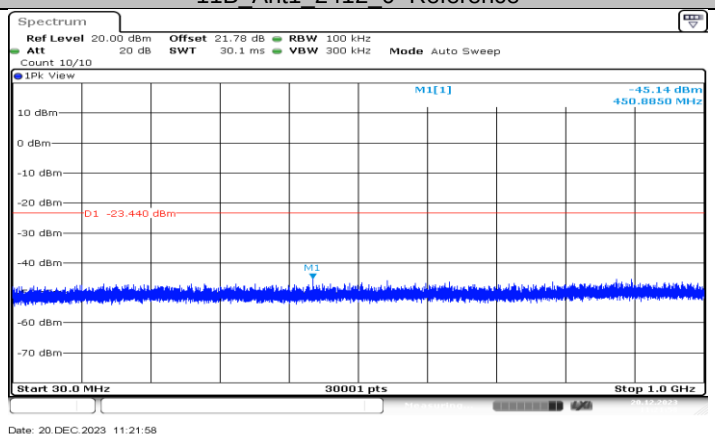
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.56	---	PASS
			30~1000	-45.14	≤-23.44	PASS
			1000~26500	-40.9	≤-23.44	PASS
	Ant2	2412	Reference	4.85	---	PASS
			30~1000	-45.76	≤-25.15	PASS
			1000~26500	-40.77	≤-25.15	PASS
	Ant1	2437	Reference	6.40	---	PASS
			30~1000	-45.66	≤-23.6	PASS
			1000~26500	-40.41	≤-23.6	PASS
	Ant2	2437	Reference	4.94	---	PASS
			30~1000	-45.6	≤-25.06	PASS
			1000~26500	-39.77	≤-25.06	PASS
	Ant1	2462	Reference	5.63	---	PASS
			30~1000	-45.45	≤-24.37	PASS
			1000~26500	-40.41	≤-24.37	PASS
	Ant2	2462	Reference	6.37	---	PASS
			30~1000	-45.85	≤-23.63	PASS
			1000~26500	-39.52	≤-23.63	PASS
11G	Ant1	2412	Reference	3.85	---	PASS
			30~1000	-45.54	≤-26.15	PASS
			1000~26500	-40.63	≤-26.15	PASS
	Ant2	2412	Reference	3.82	---	PASS
			30~1000	-45.19	≤-26.18	PASS
			1000~26500	-40.83	≤-26.18	PASS
	Ant1	2437	Reference	1.75	---	PASS
			30~1000	-45.85	≤-28.25	PASS
			1000~26500	-39.93	≤-28.25	PASS
	Ant2	2437	Reference	3.44	---	PASS
			30~1000	-44.8	≤-26.56	PASS
			1000~26500	-39.92	≤-26.56	PASS
	Ant1	2462	Reference	3.76	---	PASS
			30~1000	-45.6	≤-26.24	PASS
			1000~26500	-39.74	≤-26.24	PASS
	Ant2	2462	Reference	2.74	---	PASS
			30~1000	-44.8	≤-27.26	PASS
			1000~26500	-40.11	≤-27.26	PASS
11N20MIMO	Ant1	2412	Reference	3.44	---	PASS
			30~1000	-44.91	≤-26.56	PASS
			1000~26500	-40.41	≤-26.56	PASS
	Ant2	2412	Reference	2.95	---	PASS
			30~1000	-45.61	≤-27.05	PASS
			1000~26500	-39.8	≤-27.05	PASS
	Ant1	2437	Reference	3.91	---	PASS
			30~1000	-45.45	≤-26.09	PASS
			1000~26500	-40.2	≤-26.09	PASS
	Ant2	2437	Reference	2.99	---	PASS
			30~1000	-45.64	≤-27.01	PASS
			1000~26500	-39.13	≤-27.01	PASS
	Ant1	2462	Reference	3.72	---	PASS
			30~1000	-46.12	≤-26.28	PASS
			1000~26500	-40.02	≤-26.28	PASS
	Ant2	2462	Reference	3.20	---	PASS
			30~1000	-45.3	≤-26.8	PASS
			1000~26500	-40.75	≤-26.8	PASS
11N40MIMO	Ant1	2422	Reference	0.91	---	PASS
			30~1000	-45.85	≤-29.09	PASS
			1000~26500	-40.48	≤-29.09	PASS
	Ant2	2422	Reference	0.29	---	PASS

			30~1000	-45.89	≤-29.71	PASS
			1000~26500	-40.71	≤-29.71	PASS
	Ant1	2437	Reference	0.57	---	PASS
			30~1000	-44.3	≤-29.43	PASS
			1000~26500	-40.43	≤-29.43	PASS
	Ant2	2437	Reference	0.66	---	PASS
			30~1000	-45.15	≤-29.34	PASS
			1000~26500	-40.05	≤-29.34	PASS
	Ant1	2452	Reference	0.30	---	PASS
			30~1000	-44.64	≤-29.7	PASS
			1000~26500	-40.54	≤-29.7	PASS
	Ant2	2452	Reference	0.69	---	PASS
			30~1000	-45.66	≤-29.31	PASS
			1000~26500	-40.37	≤-29.31	PASS
11AX20MIMO	Ant1	2412	Reference	2.20	---	PASS
			30~1000	-44.78	≤-27.8	PASS
			1000~26500	-40.47	≤-27.8	PASS
	Ant2	2412	Reference	0.55	---	PASS
			30~1000	-45.6	≤-29.45	PASS
			1000~26500	-40.6	≤-29.45	PASS
	Ant1	2437	Reference	1.97	---	PASS
			30~1000	-45.7	≤-28.03	PASS
			1000~26500	-40.07	≤-28.03	PASS
	Ant2	2437	Reference	0.68	---	PASS
			30~1000	-45.41	≤-29.32	PASS
			1000~26500	-39.73	≤-29.32	PASS
	Ant1	2462	Reference	1.40	---	PASS
			30~1000	-45.67	≤-28.6	PASS
			1000~26500	-40.53	≤-28.6	PASS
	Ant2	2462	Reference	0.92	---	PASS
			30~1000	-45.81	≤-29.08	PASS
			1000~26500	-40.34	≤-29.08	PASS
11AX40MIMO	Ant1	2422	Reference	-0.94	---	PASS
			30~1000	-44.89	≤-30.94	PASS
			1000~26500	-40.42	≤-30.94	PASS
	Ant2	2422	Reference	-1.65	---	PASS
			30~1000	-45.41	≤-31.65	PASS
			1000~26500	-40.36	≤-31.65	PASS
	Ant1	2437	Reference	-1.52	---	PASS
			30~1000	-45.66	≤-31.52	PASS
			1000~26500	-40.59	≤-31.52	PASS
	Ant2	2437	Reference	-2.10	---	PASS
			30~1000	-45.48	≤-32.1	PASS
			1000~26500	-39.98	≤-32.1	PASS
	Ant1	2452	Reference	-1.19	---	PASS
			30~1000	-45.27	≤-31.19	PASS
			1000~26500	-39.45	≤-31.19	PASS
	Ant2	2452	Reference	-0.55	---	PASS
			30~1000	-45.91	≤-30.55	PASS
			1000~26500	-40.35	≤-30.55	PASS

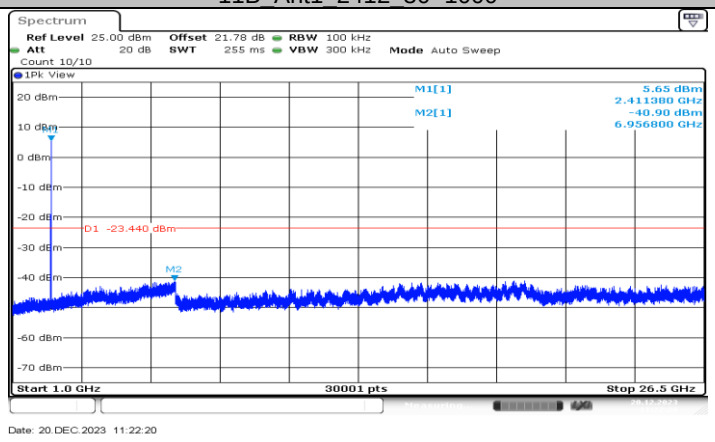
11.6.2. Test Graphs



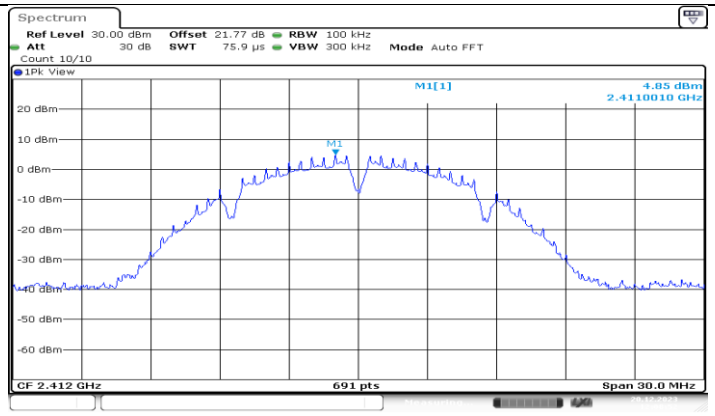
11B_Ant1_2412_0~Reference



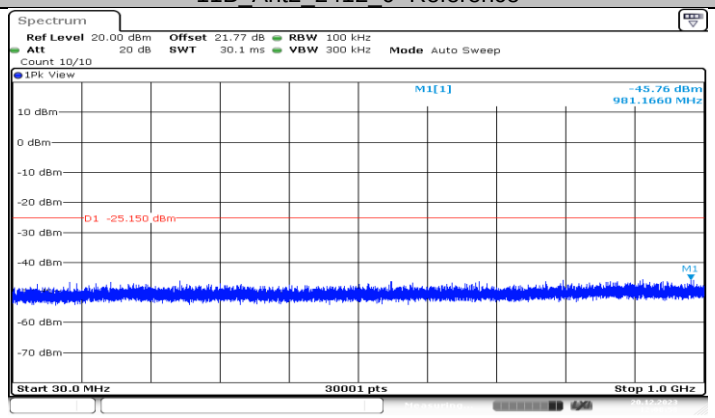
11B_Ant1_2412_30~1000



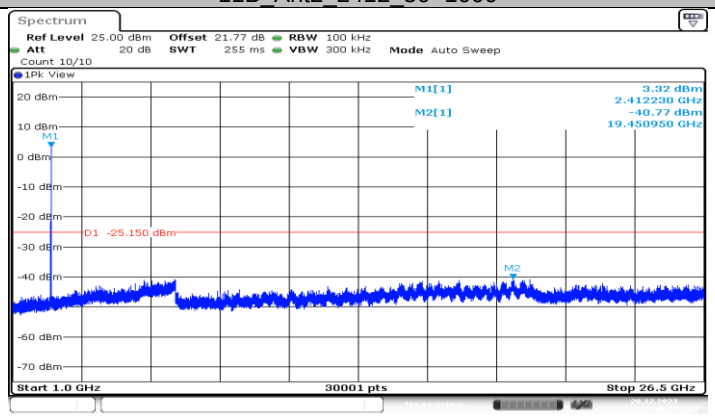
11B_Ant1_2412_1000~26500



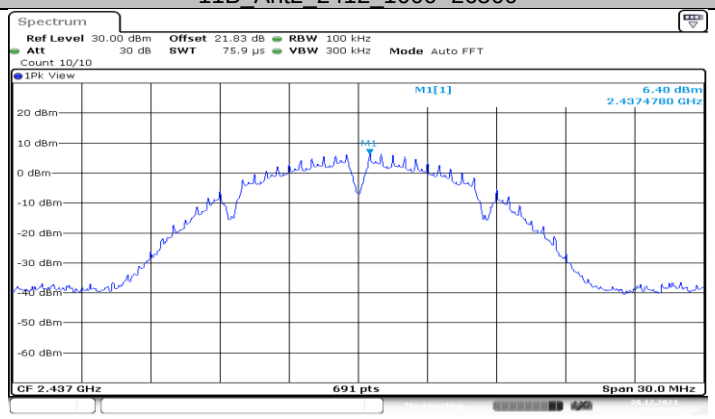
11B_Ant2_2412_0~Reference

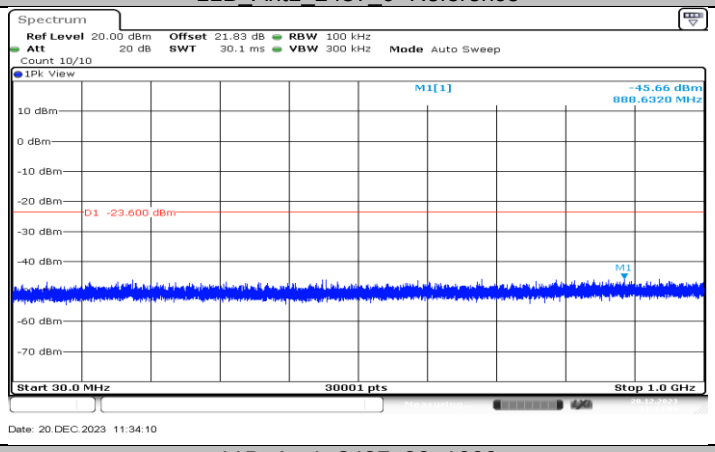
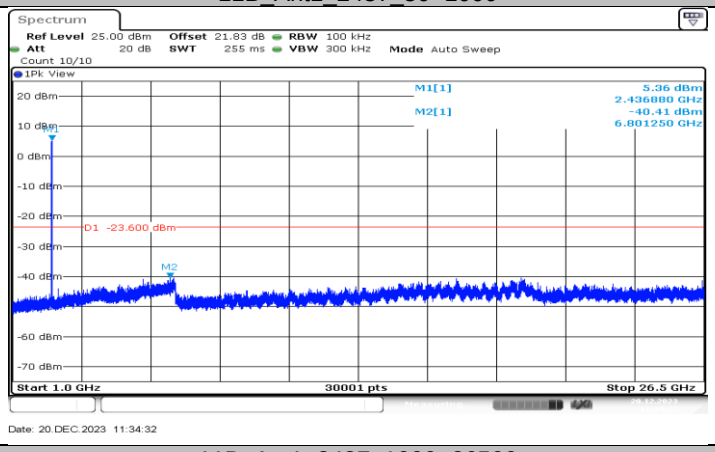
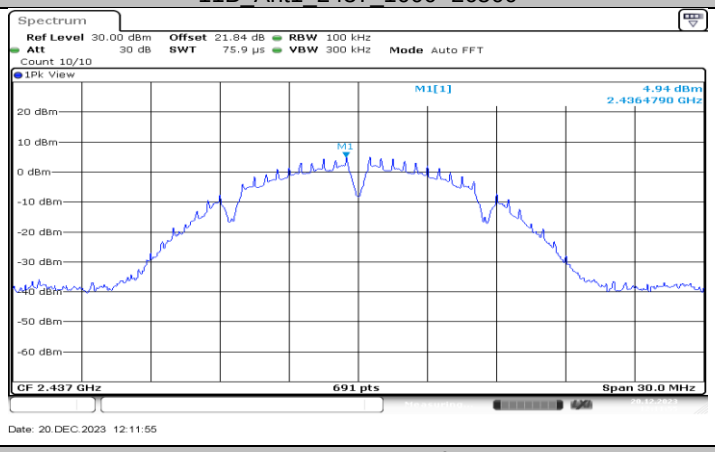


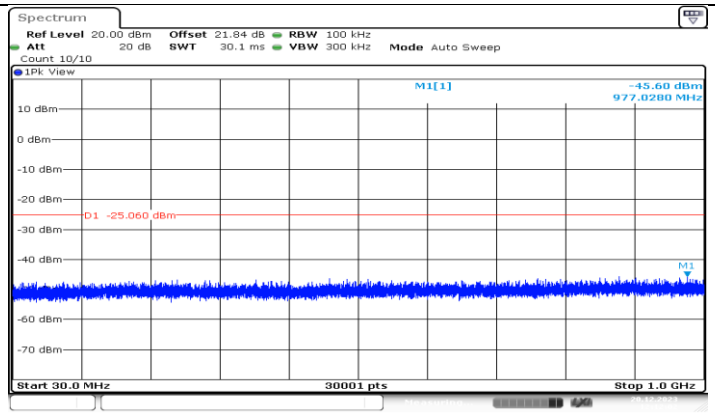
11B_Ant2_2412_30~1000



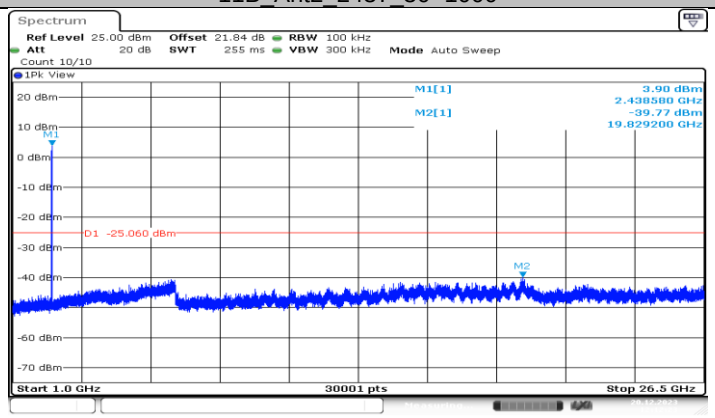
11B_Ant2_2412_1000~26500



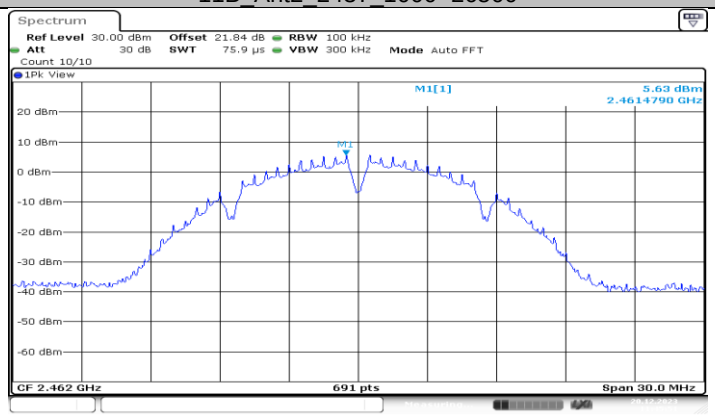
11B_Ant1_2437_0~Reference

11B_Ant1_2437_30~1000

11B_Ant1_2437_1000~26500

11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



11B_Ant2_2437_1000~26500



11B_Ant1_2462_0~Reference