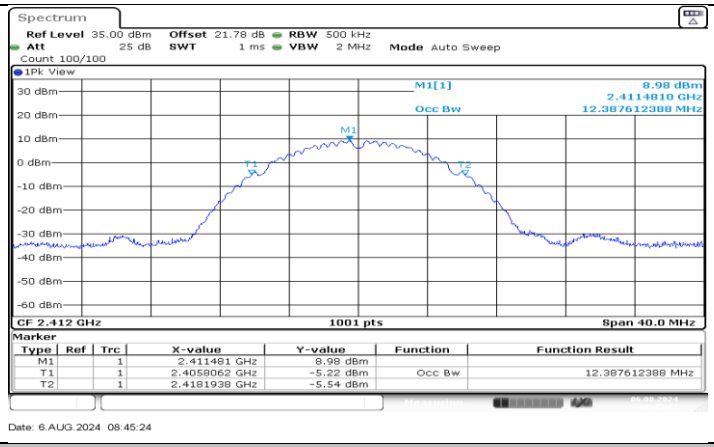
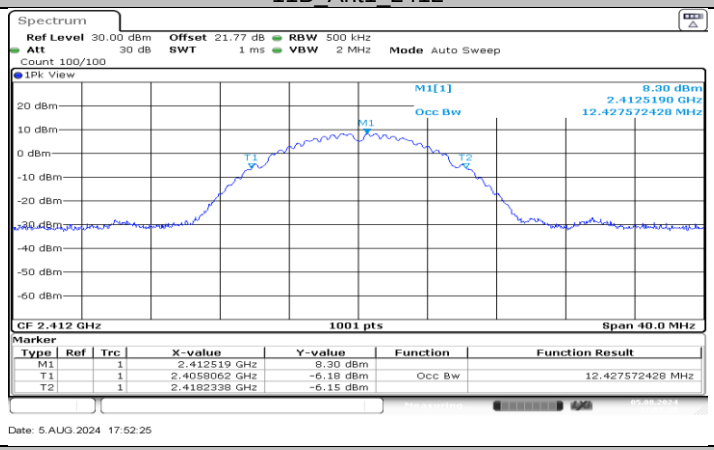
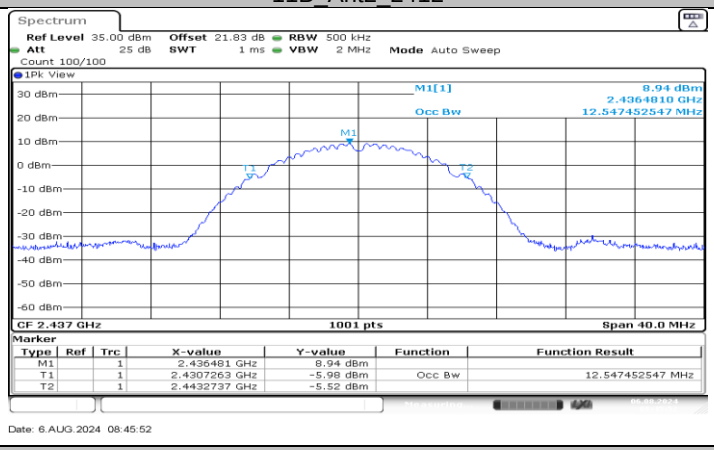
11.2.2. Test Graphs



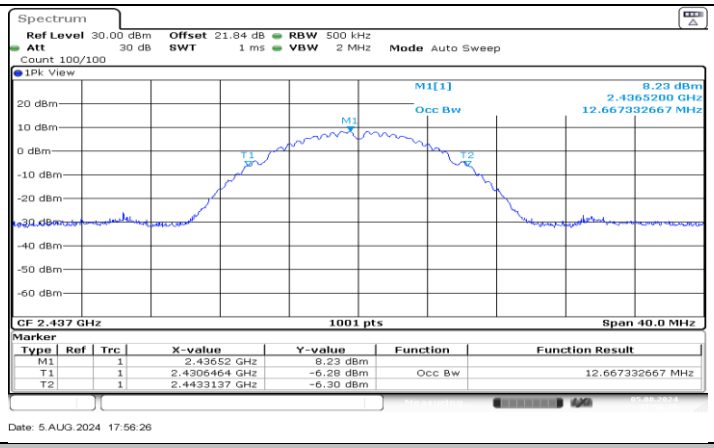
11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



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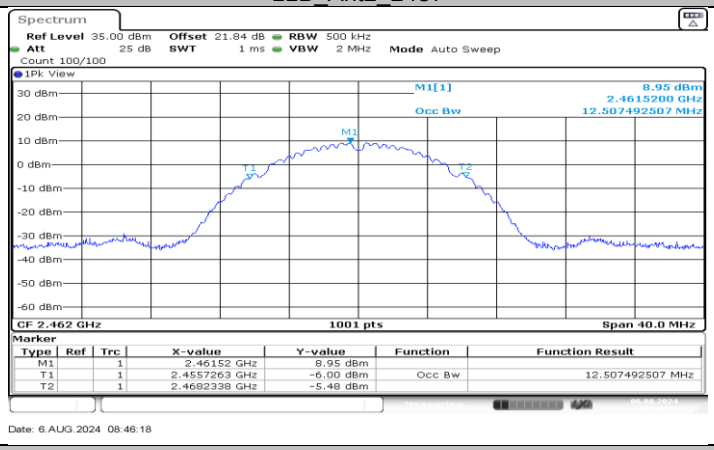
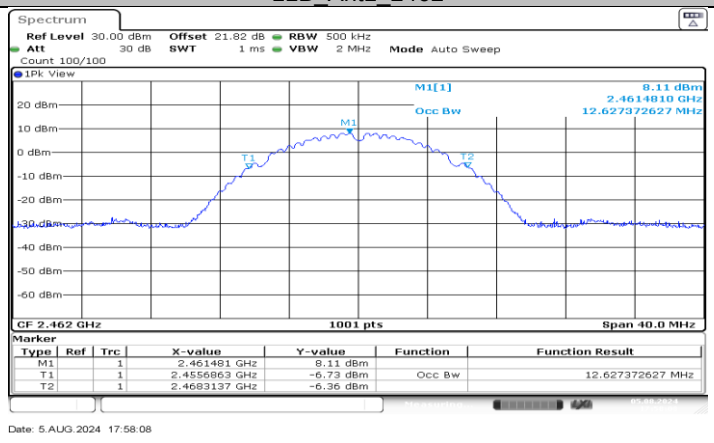
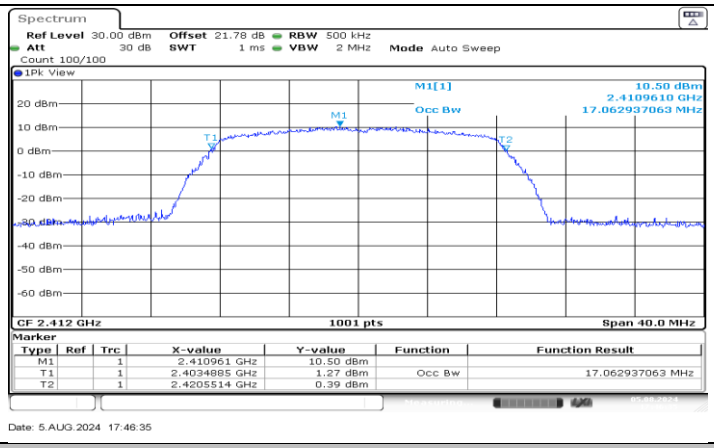


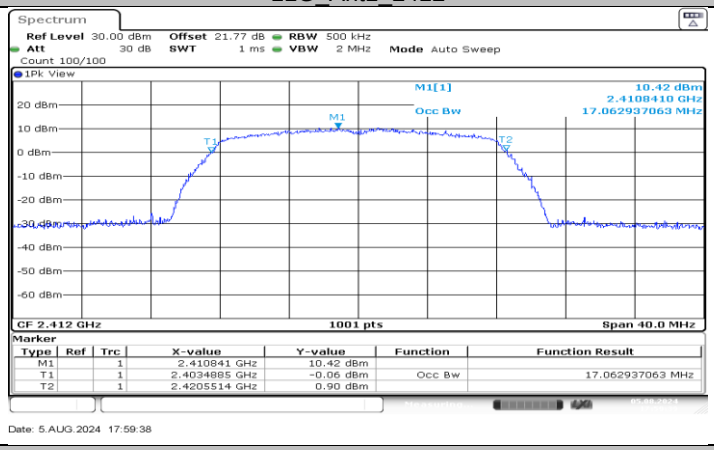
11B_Ant1_2462



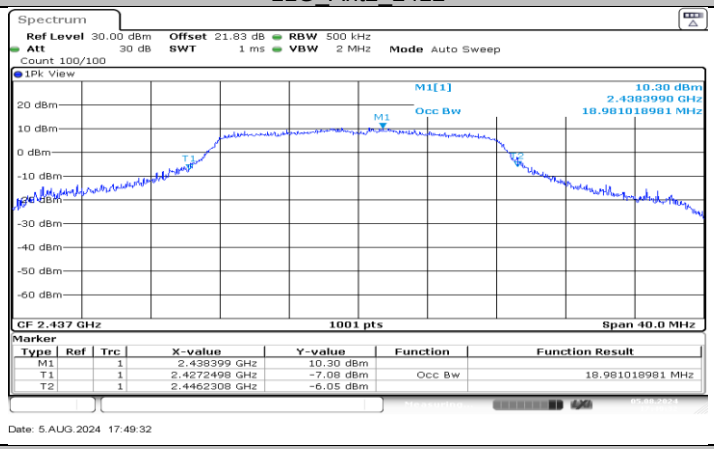
11B_Ant2_2462



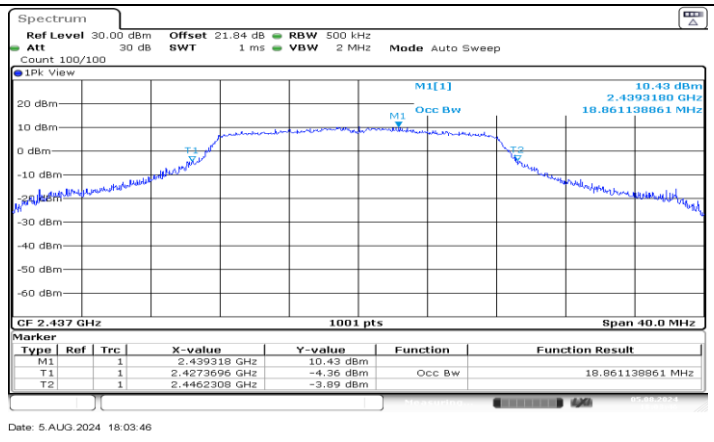
11G_Ant1_2412



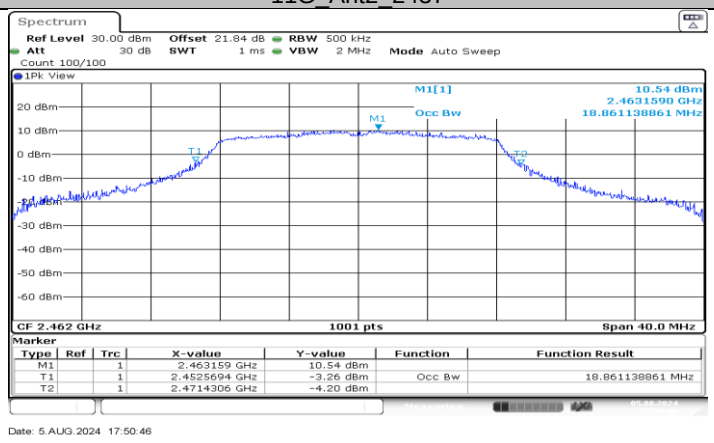
11G_Ant2_2412



11G_Ant1_2437



11G_Ant2_2437



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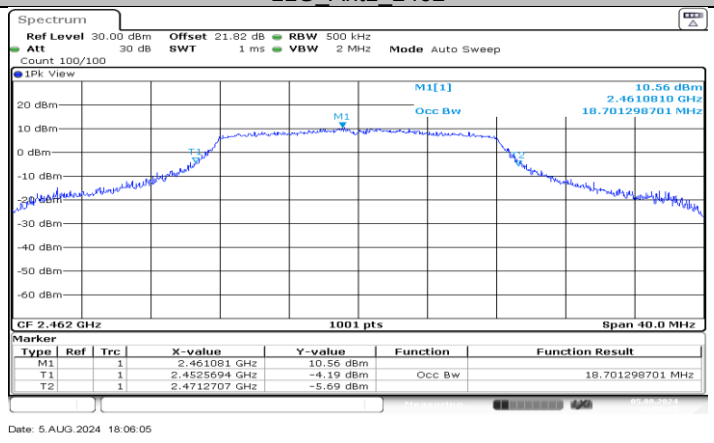
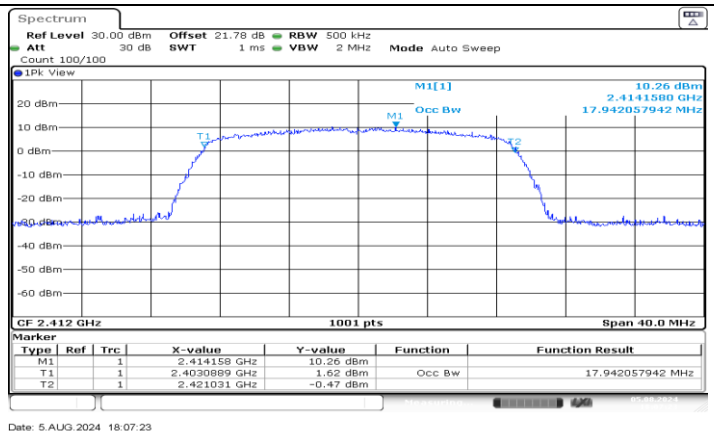
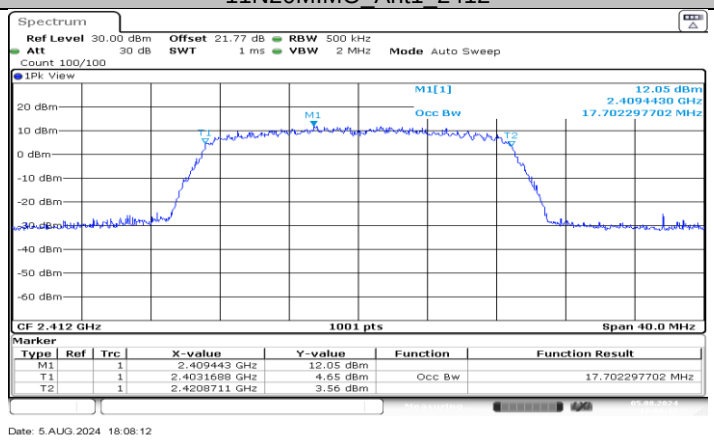


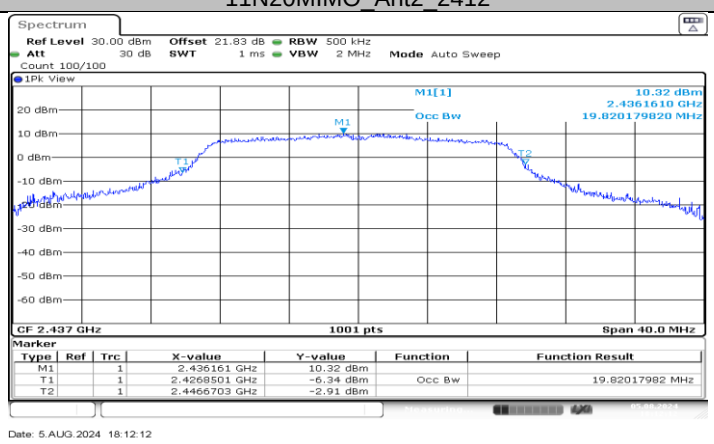
11G_Ant2_2462



11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412



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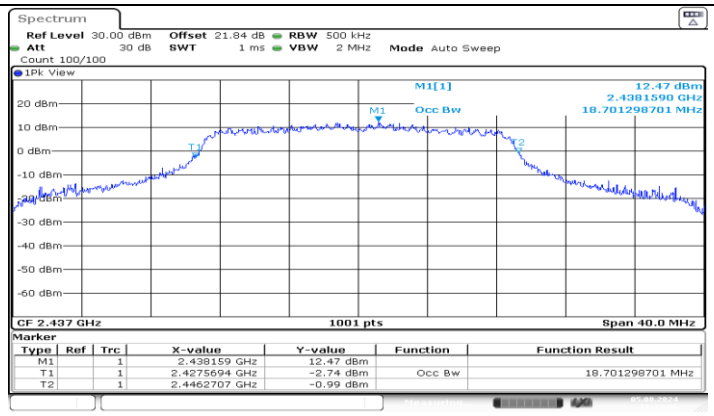
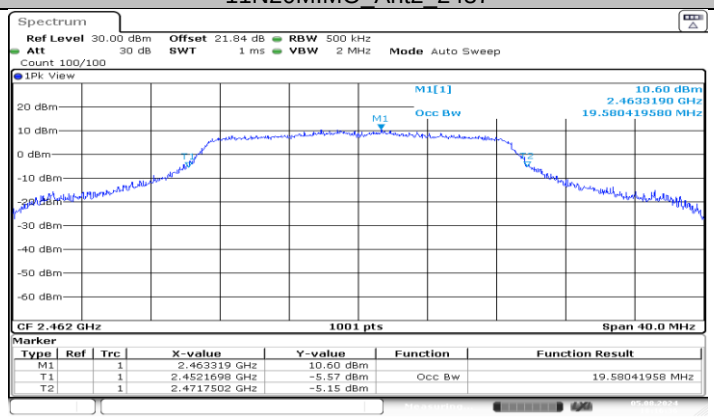
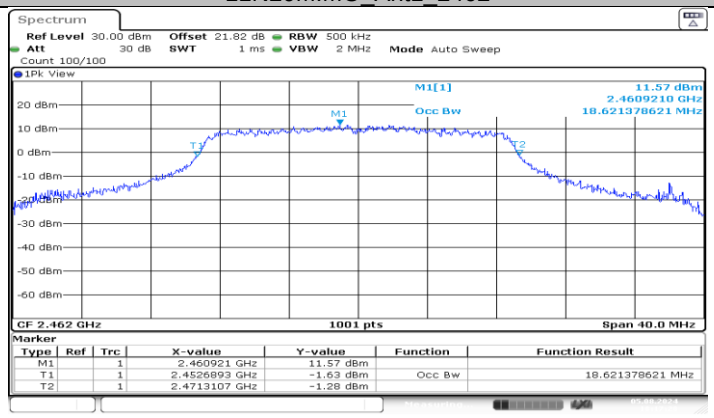


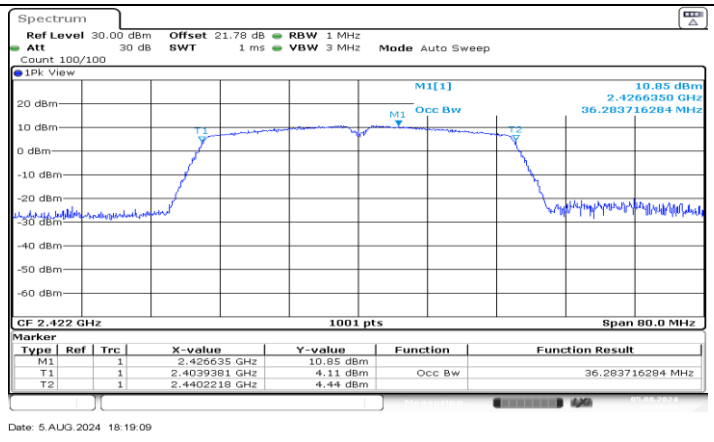
11N20MIMO_Ant2_2437



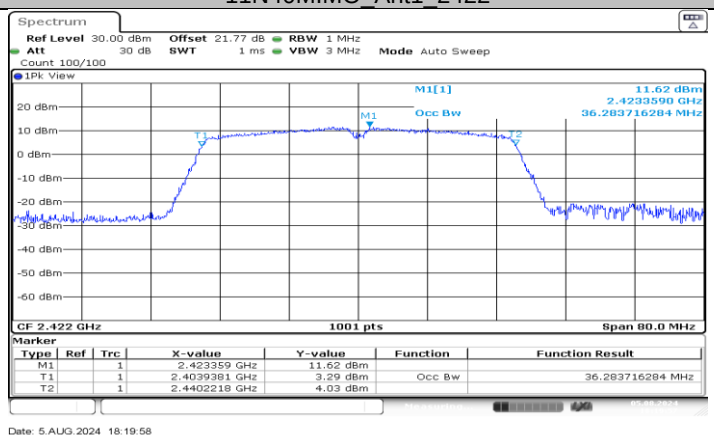
11N20MIMO_Ant1_2462



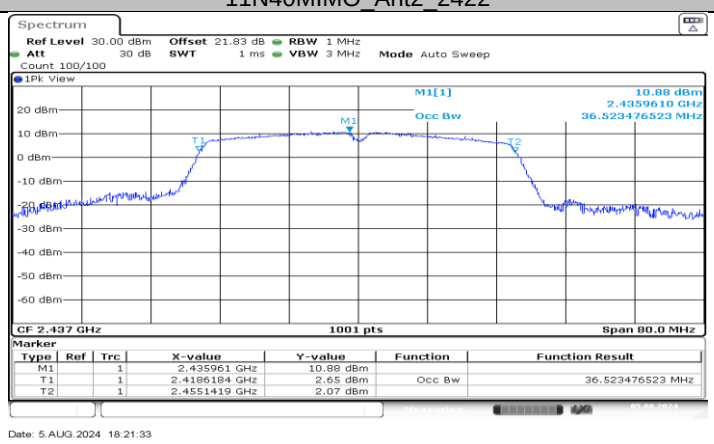
11N20MIMO_Ant2_2462



11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422



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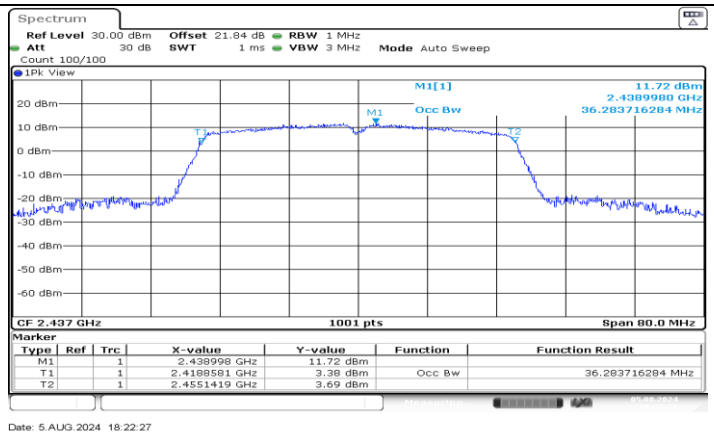
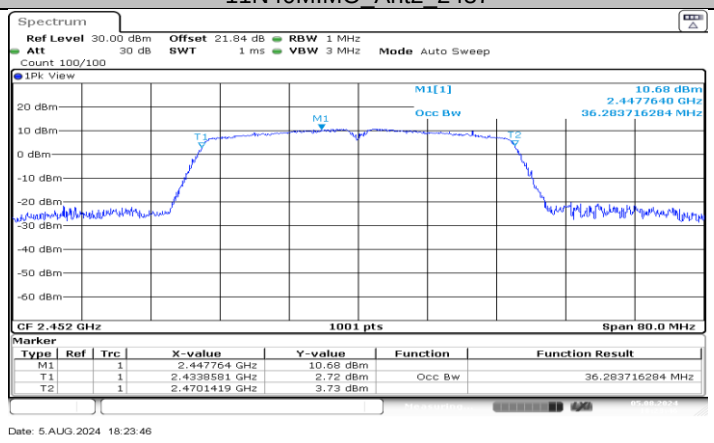
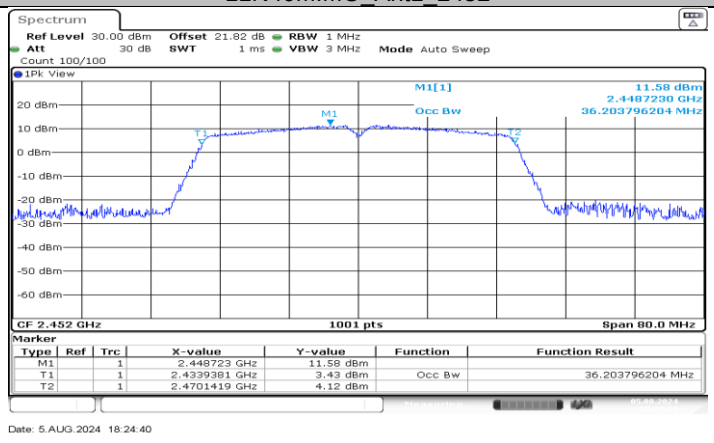


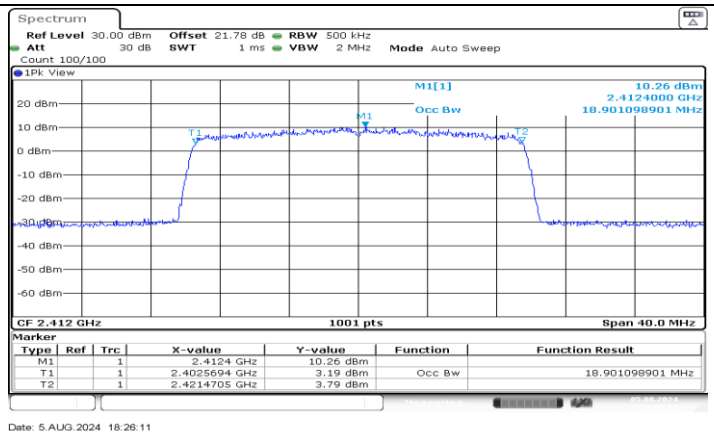
11N40MIMO_Ant2_2437



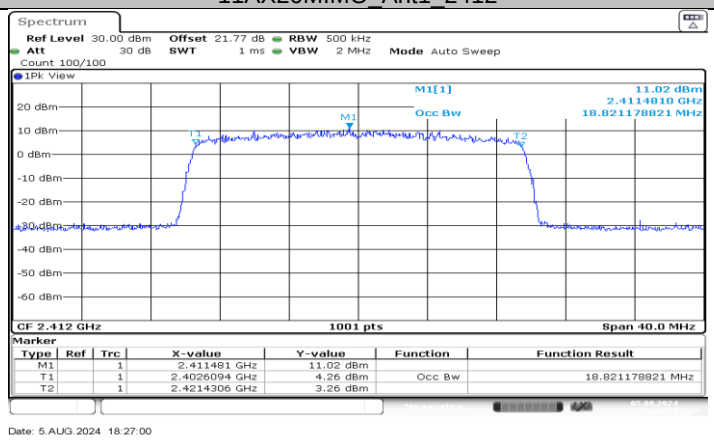
11N40MIMO_Ant1_2452



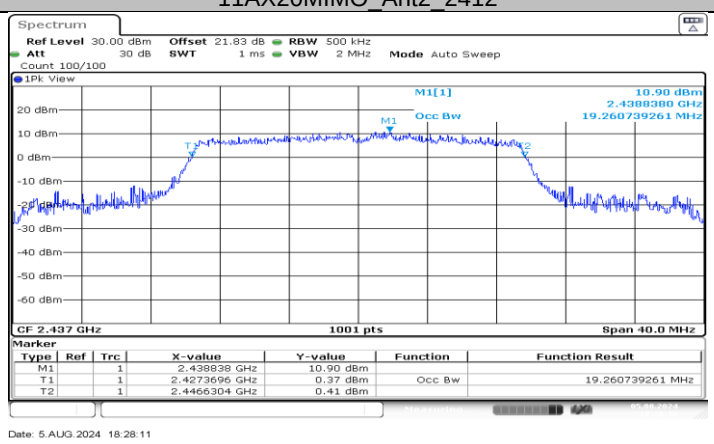
11N40MIMO_Ant2_2452



11AX20MIMO_Ant1_2412



11AX20MIMO_Ant2_2412



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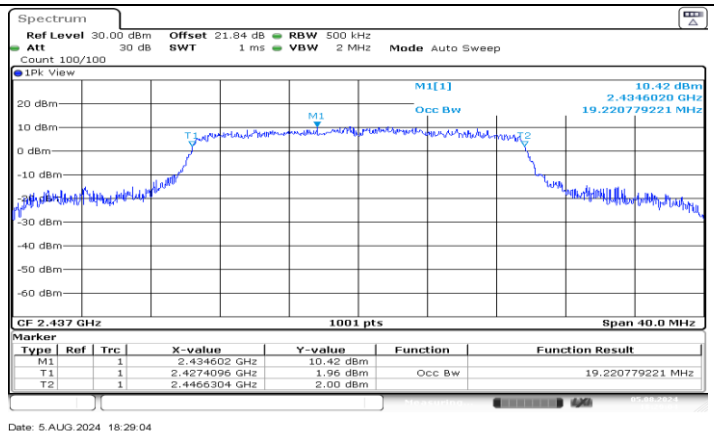
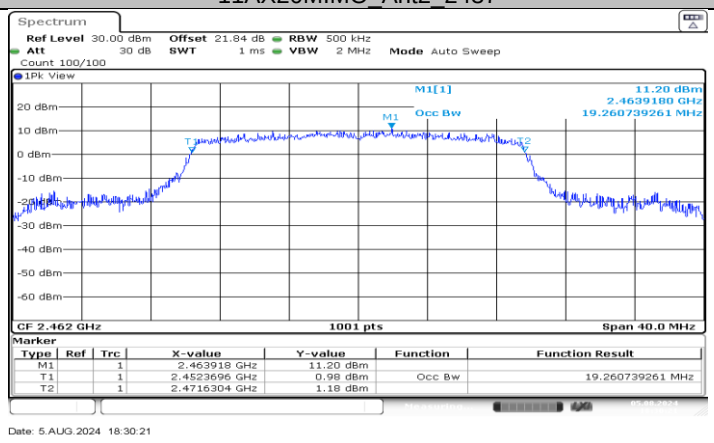
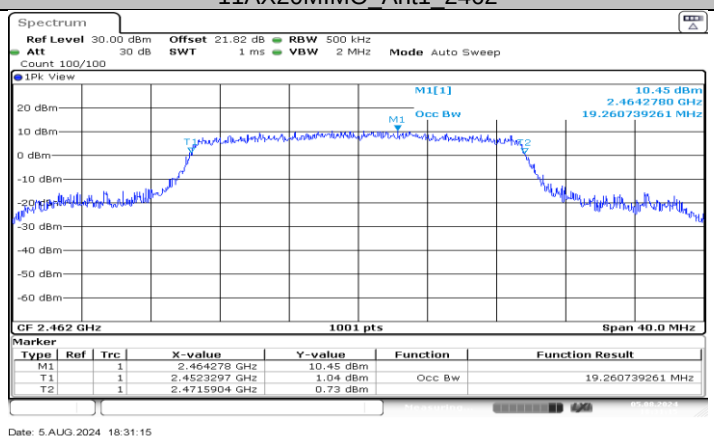


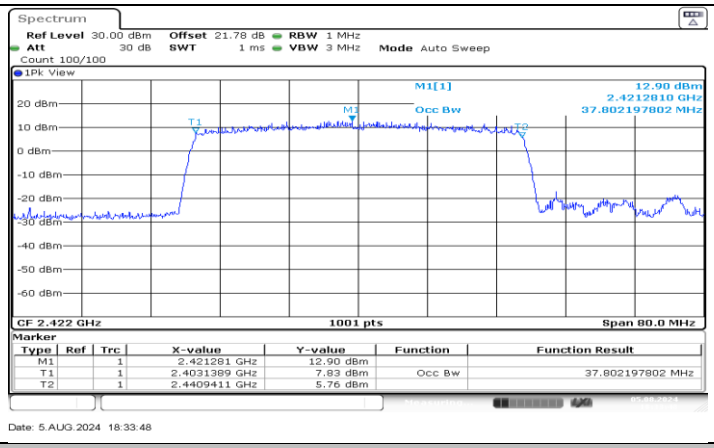
11AX20MIMO_Ant2_2437



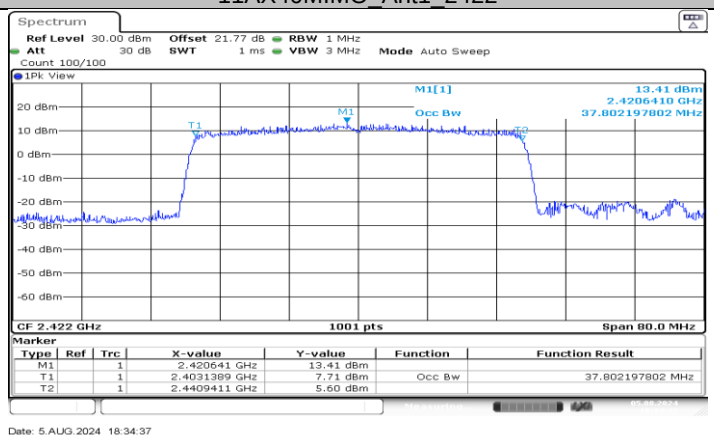
11AX20MIMO_Ant1_2462



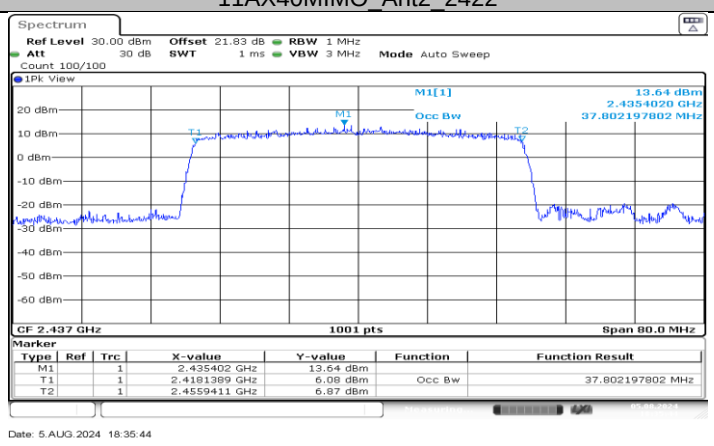
11AX20MIMO_Ant2_2462



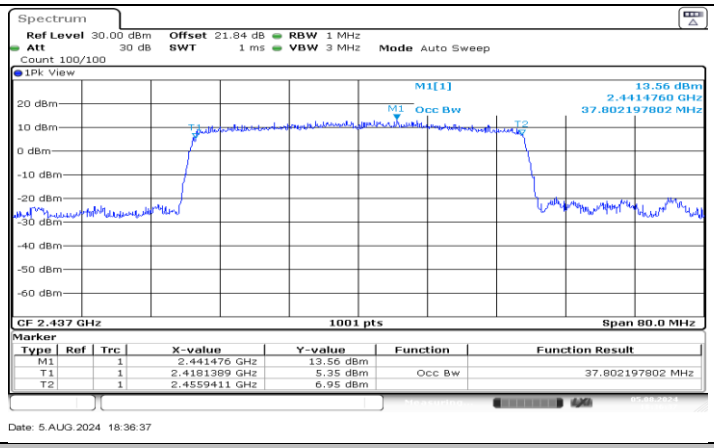
11AX40MIMO_Ant1_2422



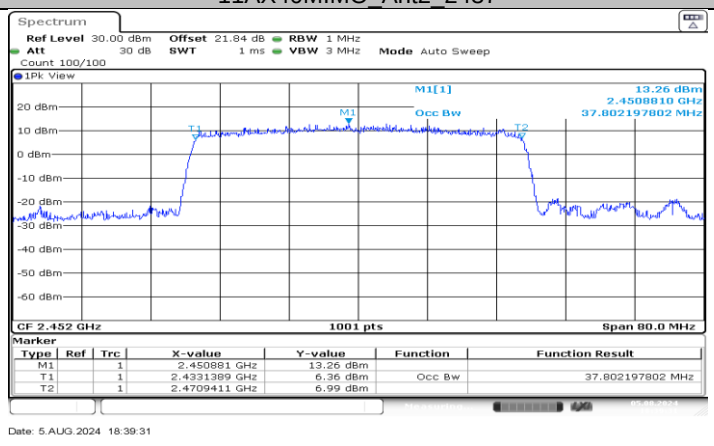
11AX40MIMO_Ant2_2422



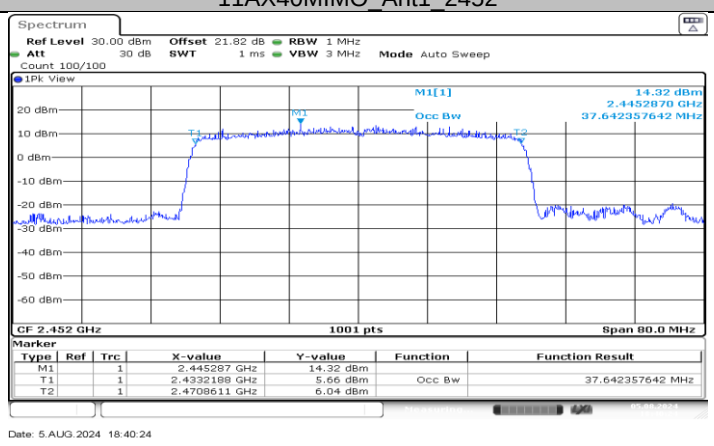
11AX40MIMO_Ant1_2437



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	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.84	≤30.00	PASS
	Ant2	2412	14.83	≤30.00	PASS
	Ant1	2437	15.04	≤30.00	PASS
	Ant2	2437	15.05	≤30.00	PASS
	Ant1	2462	15.04	≤30.00	PASS
	Ant2	2462	14.94	≤30.00	PASS
11G	Ant1	2412	14.95	≤30.00	PASS
	Ant2	2412	15.22	≤30.00	PASS
	Ant1	2437	15.20	≤30.00	PASS
	Ant2	2437	15.29	≤30.00	PASS
	Ant1	2462	15.17	≤30.00	PASS
	Ant2	2462	15.10	≤30.00	PASS
11N20MIMO	Ant1	2412	14.75	≤30.00	PASS
	Ant2	2412	14.88	≤30.00	PASS
	total	2412	17.83	≤30.00	PASS
	Ant1	2437	15.30	≤30.00	PASS
	Ant2	2437	15.53	≤30.00	PASS
	total	2437	18.43	≤30.00	PASS
	Ant1	2462	14.97	≤30.00	PASS
	Ant2	2462	15.06	≤30.00	PASS
	total	2462	18.03	≤30.00	PASS
11N40MIMO	Ant1	2422	15.47	≤30.00	PASS
	Ant2	2422	15.50	≤30.00	PASS
	total	2422	18.50	≤30.00	PASS
	Ant1	2437	15.08	≤30.00	PASS
	Ant2	2437	15.17	≤30.00	PASS
	total	2437	18.14	≤30.00	PASS
	Ant1	2452	15.16	≤30.00	PASS
	Ant2	2452	15.16	≤30.00	PASS
	total	2452	18.17	≤30.00	PASS
11AX20MIMO	Ant1	2412	12.14	≤30.00	PASS
	Ant2	2412	12.11	≤30.00	PASS
	total	2412	15.14	≤30.00	PASS
	Ant1	2437	12.52	≤30.00	PASS
	Ant2	2437	12.60	≤30.00	PASS
	total	2437	15.57	≤30.00	PASS
	Ant1	2462	12.47	≤30.00	PASS
	Ant2	2462	12.43	≤30.00	PASS
	total	2462	15.46	≤30.00	PASS
11AX40MIMO	Ant1	2422	13.35	≤30.00	PASS
	Ant2	2422	13.52	≤30.00	PASS
	total	2422	16.45	≤30.00	PASS
	Ant1	2437	13.63	≤30.00	PASS
	Ant2	2437	13.71	≤30.00	PASS
	total	2437	16.68	≤30.00	PASS
	Ant1	2452	13.73	≤30.00	PASS
	Ant2	2452	13.69	≤30.00	PASS
	total	2452	16.72	≤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.

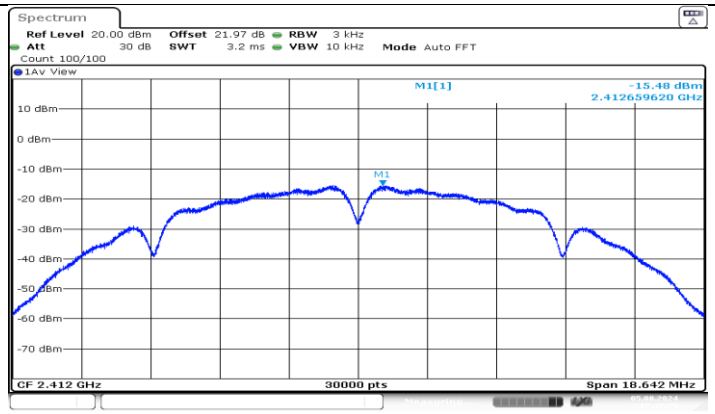
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

11.4.1. Test Result

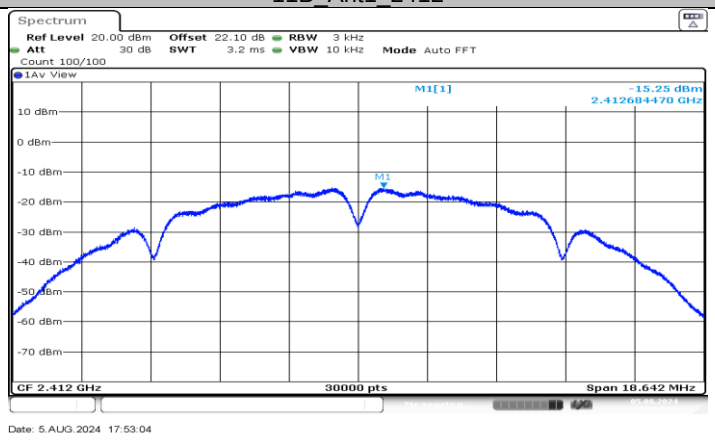
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.48	≤8.00	PASS
	Ant2	2412	-15.25	≤8.00	PASS
	Ant1	2437	-15.25	≤8.00	PASS
	Ant2	2437	-15.13	≤8.00	PASS
	Ant1	2462	-15.27	≤8.00	PASS
	Ant2	2462	-15.39	≤8.00	PASS
11G	Ant1	2412	-17.83	≤8.00	PASS
	Ant2	2412	-17.13	≤8.00	PASS
	Ant1	2437	-17.60	≤8.00	PASS
	Ant2	2437	-17.28	≤8.00	PASS
	Ant1	2462	-17.58	≤8.00	PASS
	Ant2	2462	-17.36	≤8.00	PASS
11N20MIMO	Ant1	2412	-17.91	≤8.00	PASS
	Ant2	2412	-16.95	≤8.00	PASS
	total	2412	-14.39	≤8.00	PASS
	Ant1	2437	-17.44	≤8.00	PASS
	Ant2	2437	-17.13	≤8.00	PASS
	total	2437	-14.27	≤8.00	PASS
	Ant1	2462	-17.37	≤8.00	PASS
	Ant2	2462	-16.96	≤8.00	PASS
	total	2462	-14.15	≤8.00	PASS
11N40MIMO	Ant1	2422	-19.33	≤8.00	PASS
	Ant2	2422	-18.19	≤8.00	PASS
	total	2422	-15.71	≤8.00	PASS
	Ant1	2437	-17.93	≤8.00	PASS
	Ant2	2437	-18.18	≤8.00	PASS
	total	2437	-15.04	≤8.00	PASS
	Ant1	2452	-18.24	≤8.00	PASS
	Ant2	2452	-18.90	≤8.00	PASS
	total	2452	-15.55	≤8.00	PASS
11AX20MIMO	Ant1	2412	-17.87	≤8.00	PASS
	Ant2	2412	-17.80	≤8.00	PASS
	total	2412	-14.82	≤8.00	PASS
	Ant1	2437	-17.19	≤8.00	PASS
	Ant2	2437	-18.26	≤8.00	PASS
	total	2437	-14.68	≤8.00	PASS
	Ant1	2462	-17.59	≤8.00	PASS
	Ant2	2462	-17.77	≤8.00	PASS
	total	2462	-14.67	≤8.00	PASS
11AX40MIMO	Ant1	2422	-18.26	≤8.00	PASS
	Ant2	2422	-19.00	≤8.00	PASS
	total	2422	-15.60	≤8.00	PASS
	Ant1	2437	-19.33	≤8.00	PASS
	Ant2	2437	-18.97	≤8.00	PASS
	total	2437	-16.14	≤8.00	PASS
	Ant1	2452	-19.53	≤8.00	PASS
	Ant2	2452	-18.78	≤8.00	PASS
	total	2452	-16.13	≤8.00	PASS

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

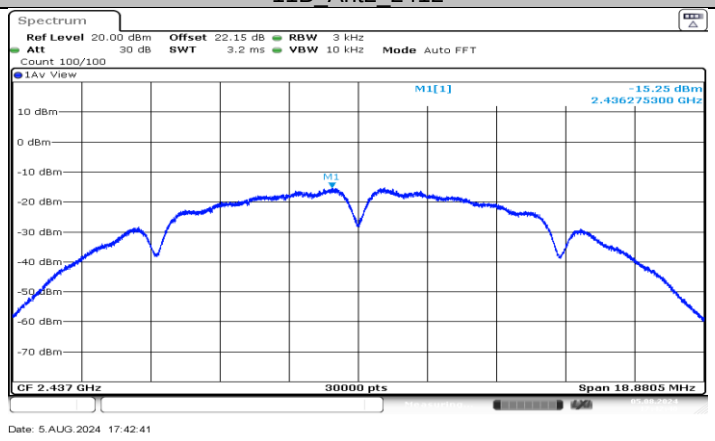
11.4.2. Test Graphs



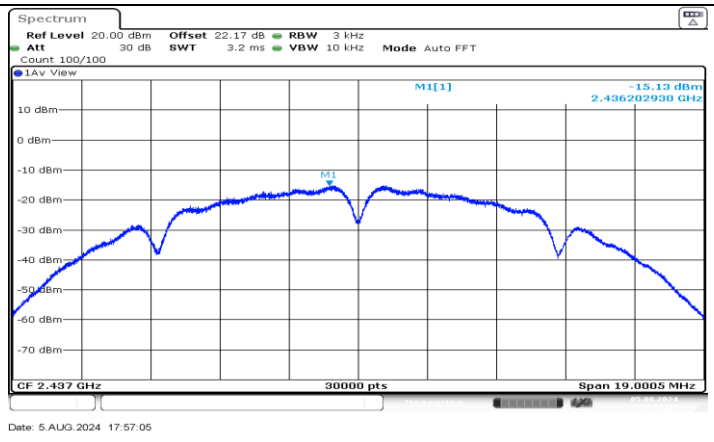
11B_Ant1_2412



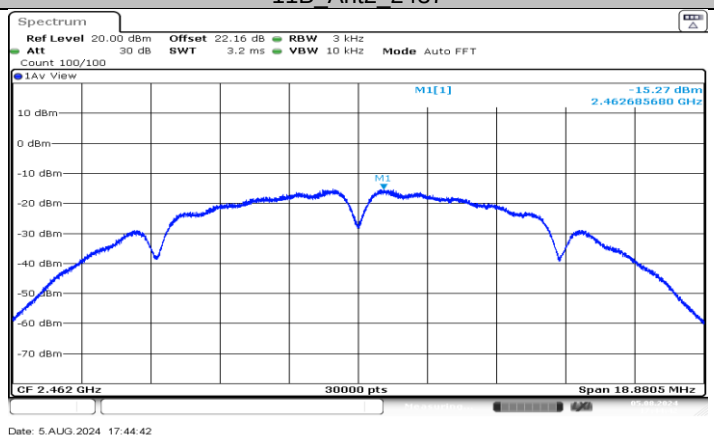
11B_Ant2_2412



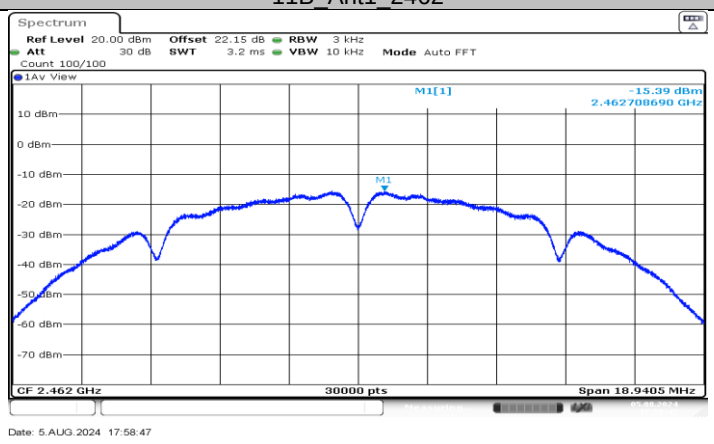
11B_Ant1_2437



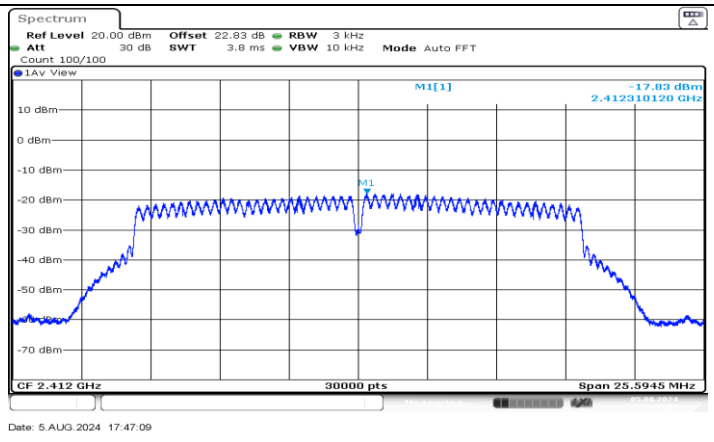
11B_Ant2_2437



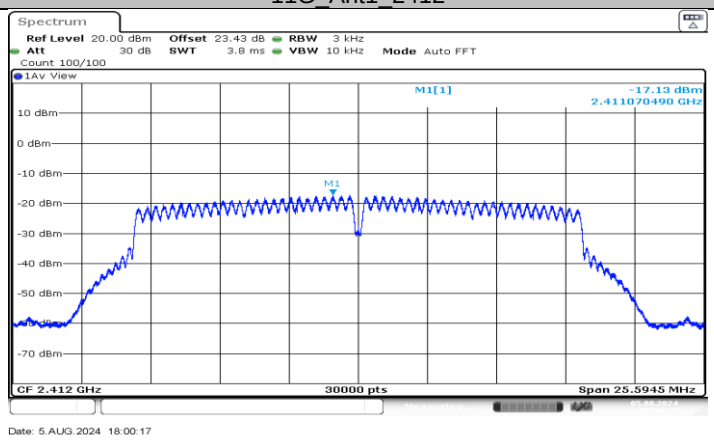
11B_Ant1_2462



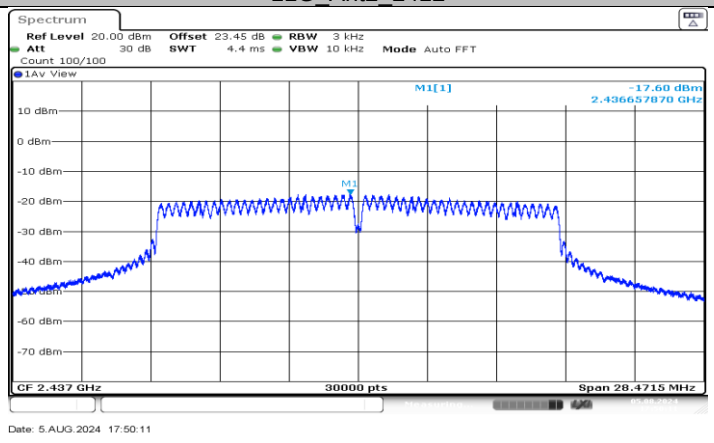
11B_Ant2_2462



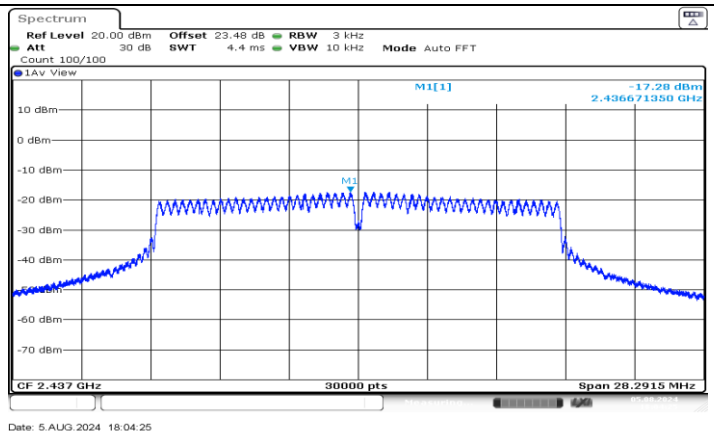
11G_Ant1_2412



11G_Ant2_2412



11G_Ant1_2437



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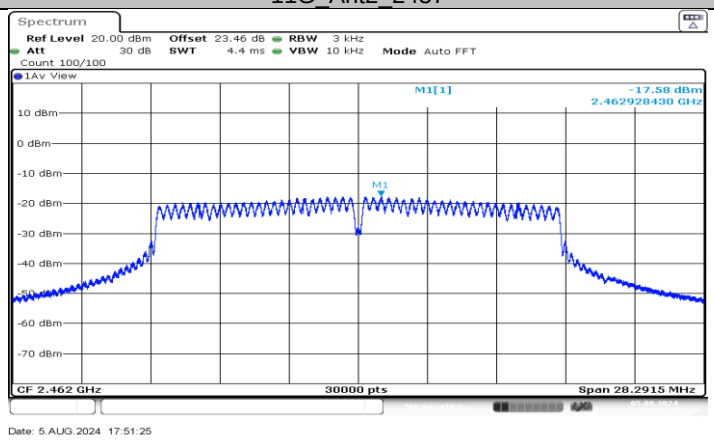
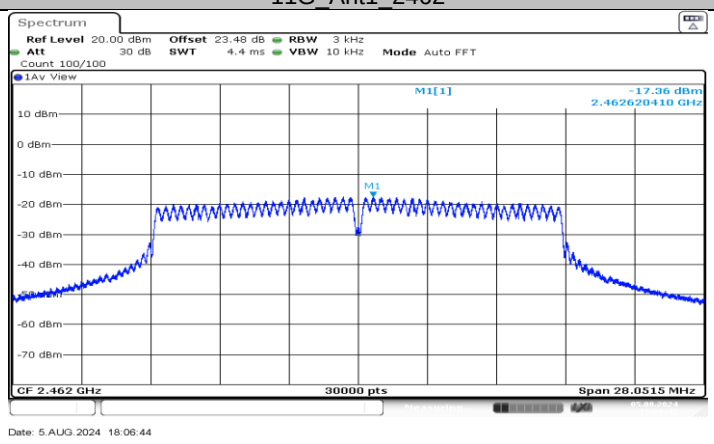


11G_Ant1_2462



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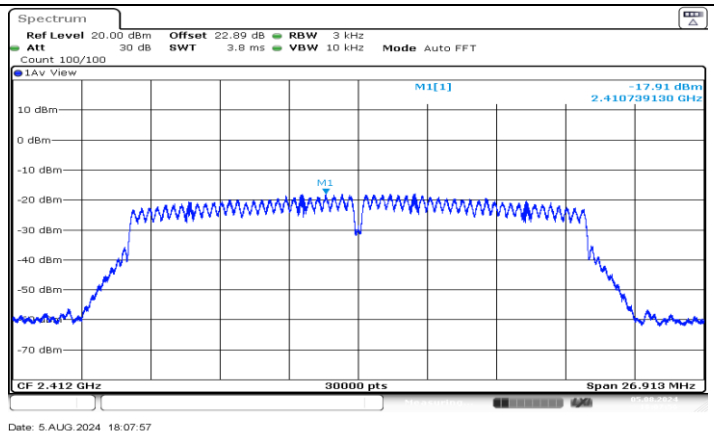

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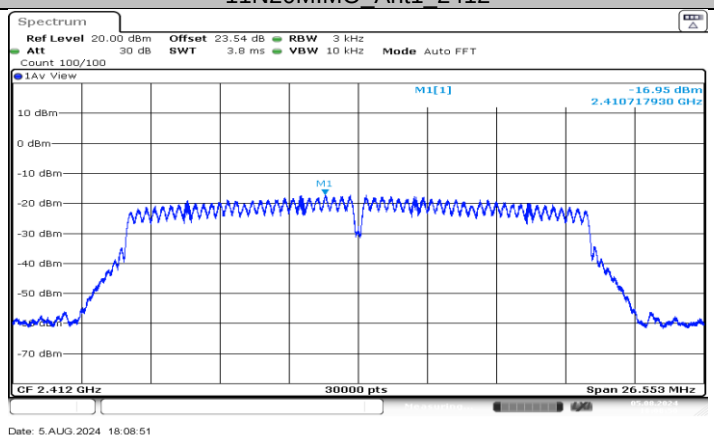
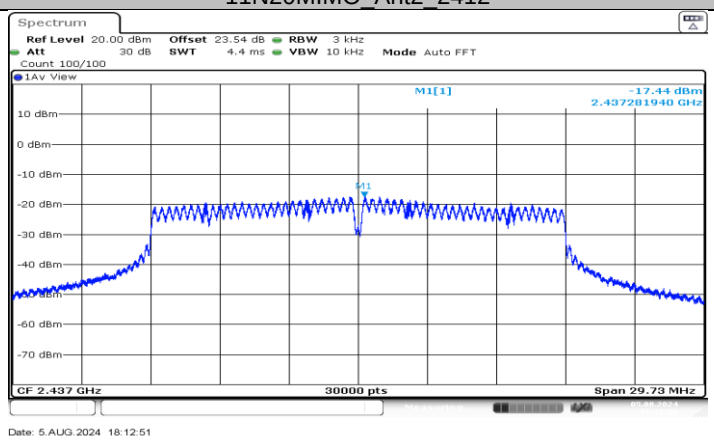


11N20MIMO_Ant2_2412



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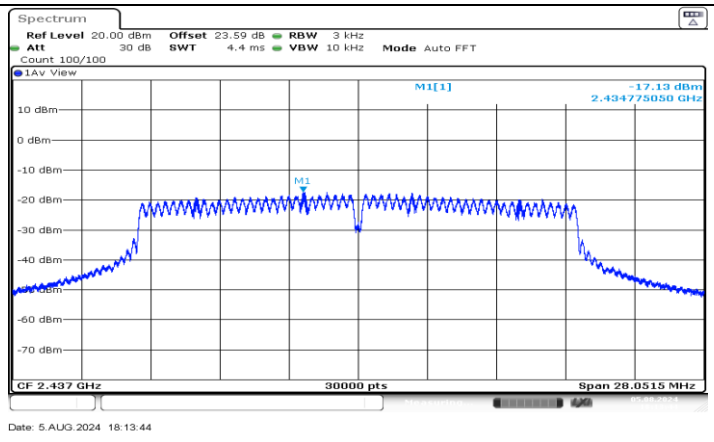

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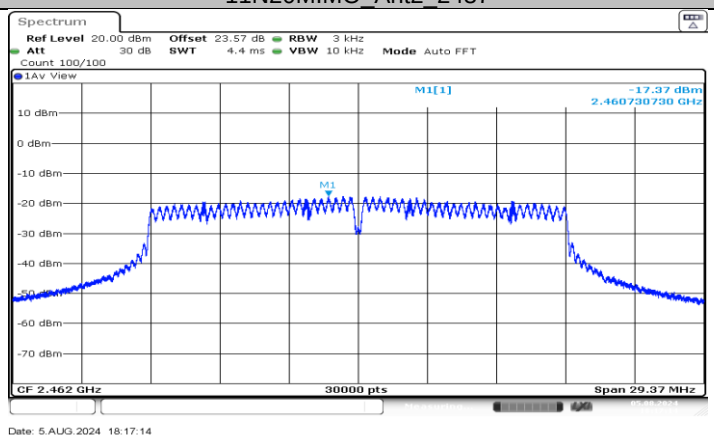

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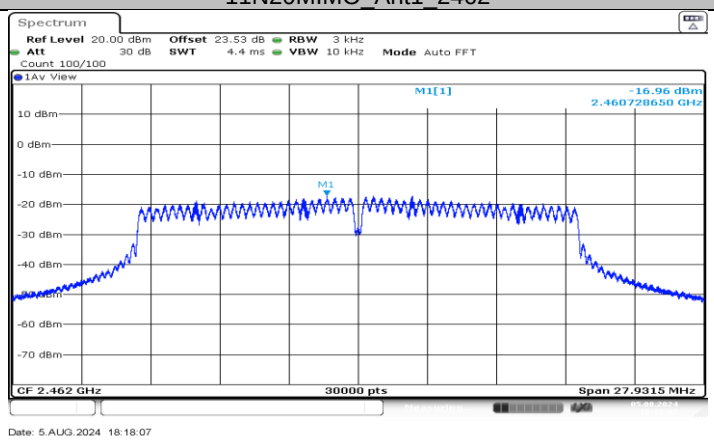

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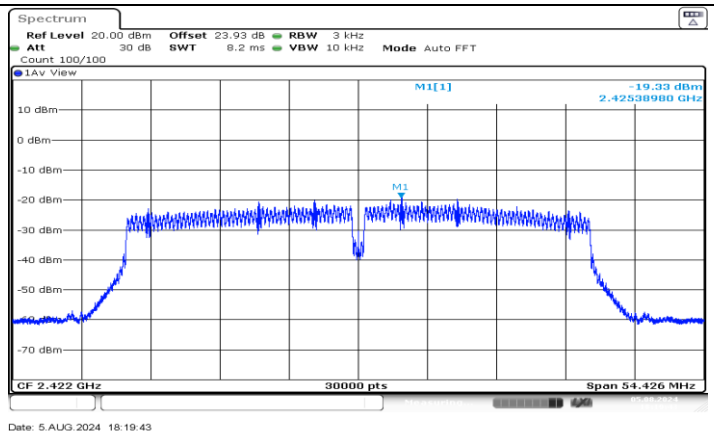
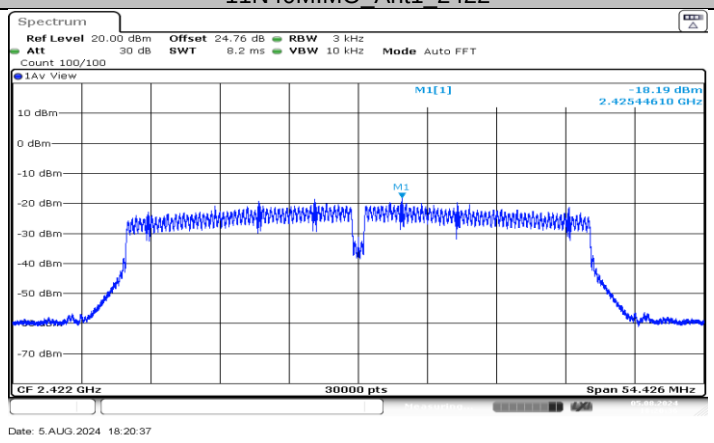


11N40MIMO_Ant1_2422



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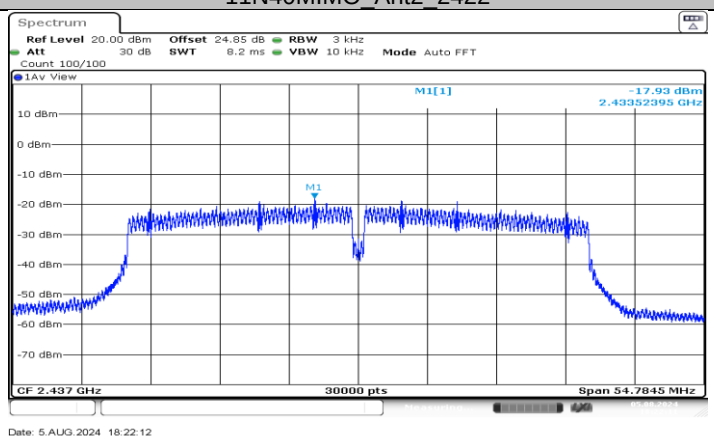

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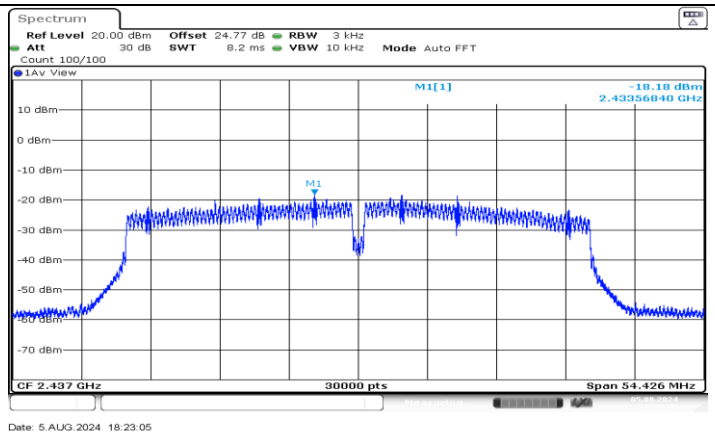

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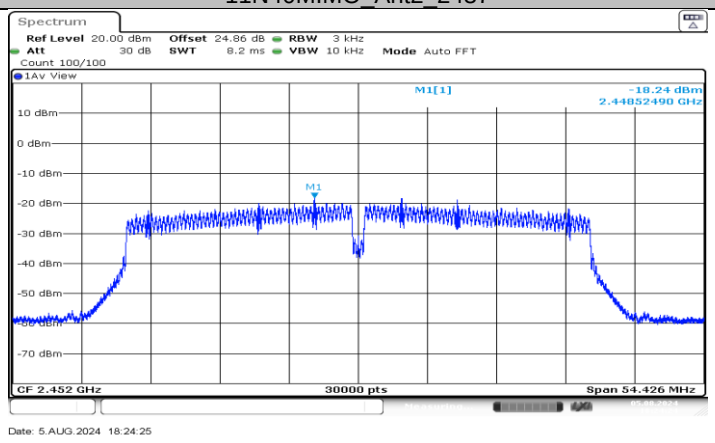
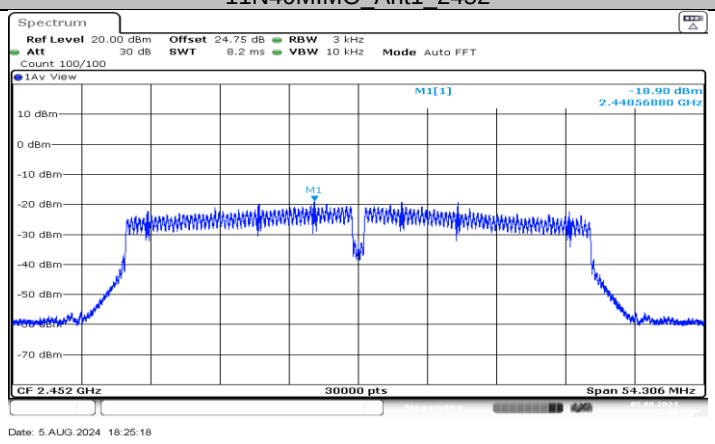


11N40MIMO_Ant1_2452



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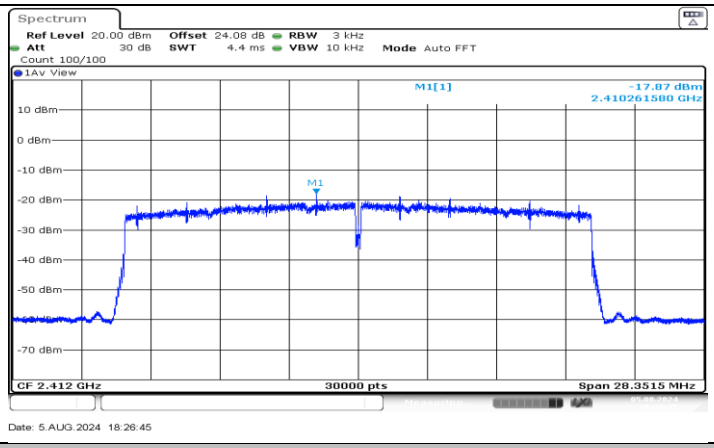
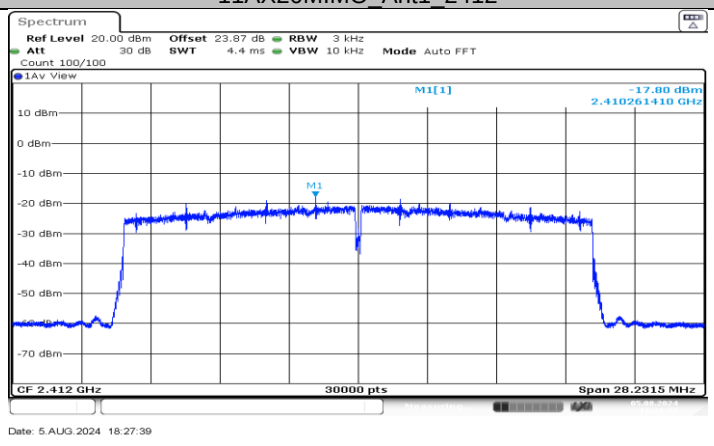


11AX20MIMO_Ant1_2412



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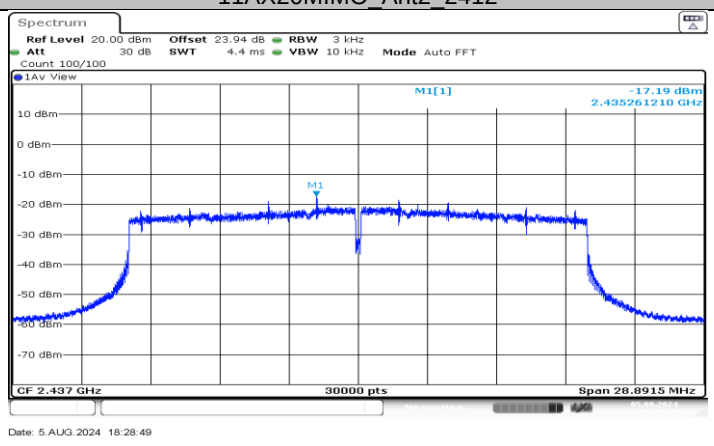

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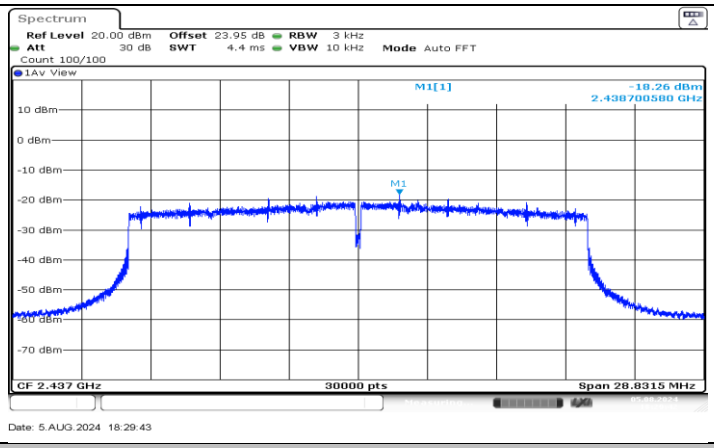

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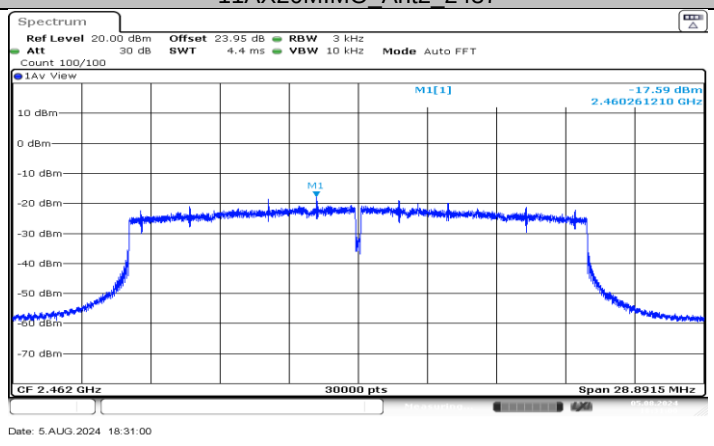

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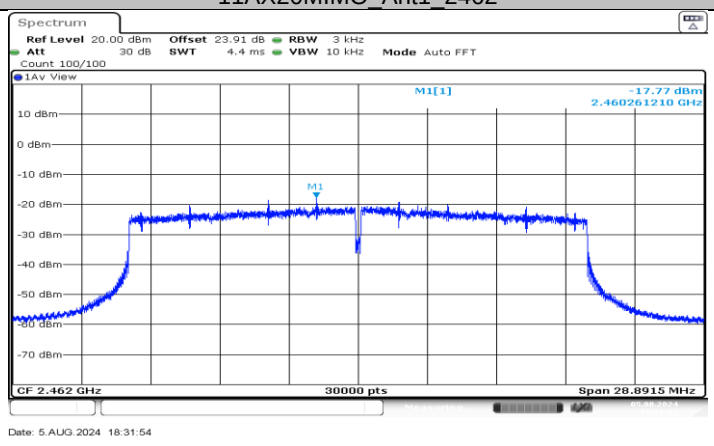

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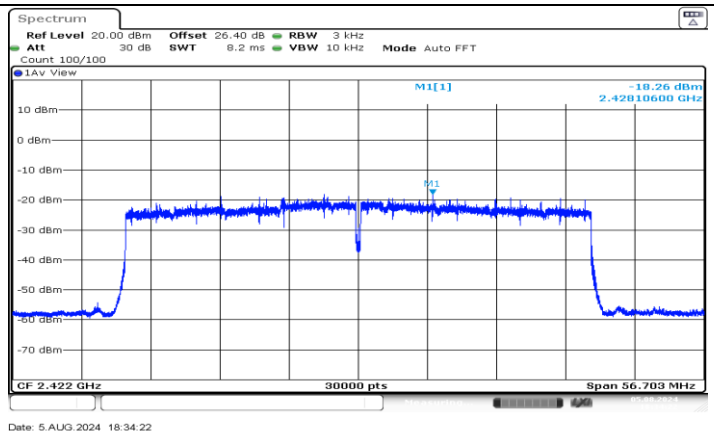

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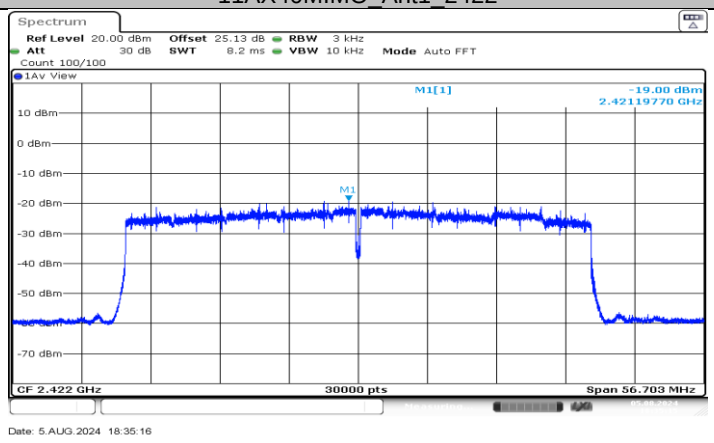

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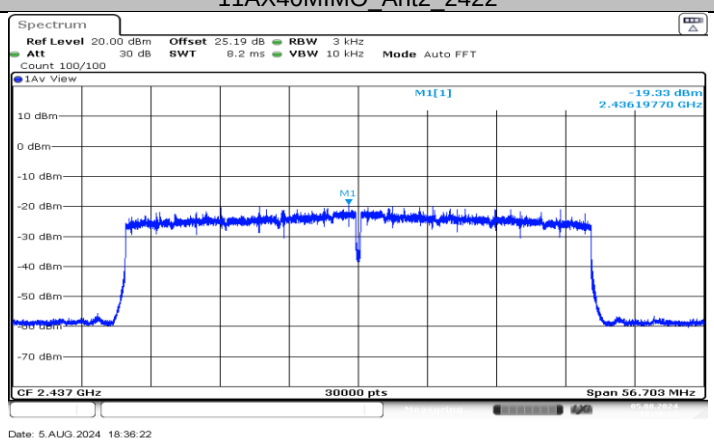

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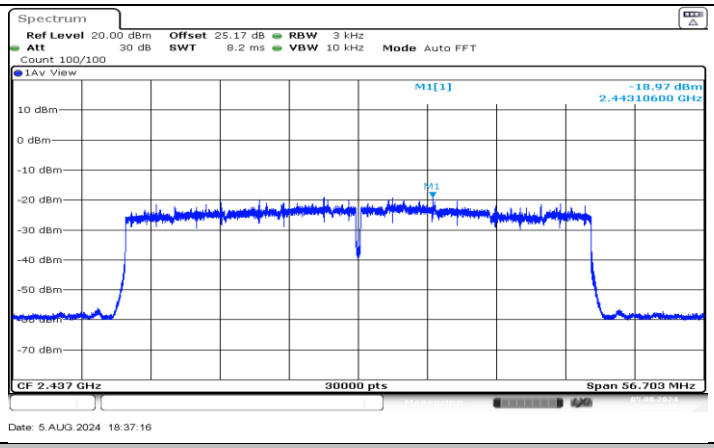

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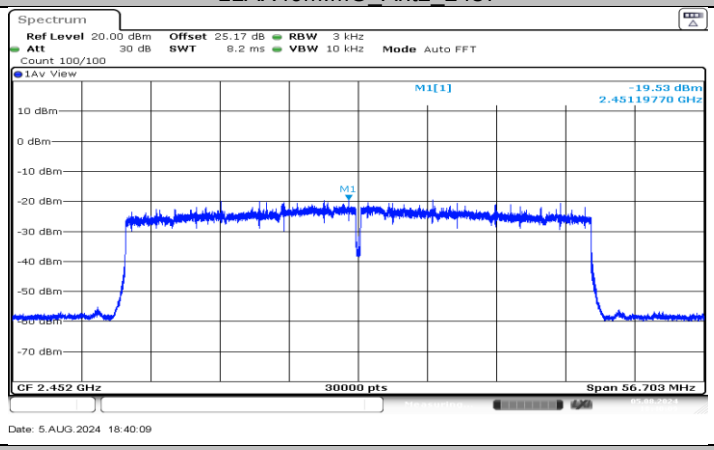
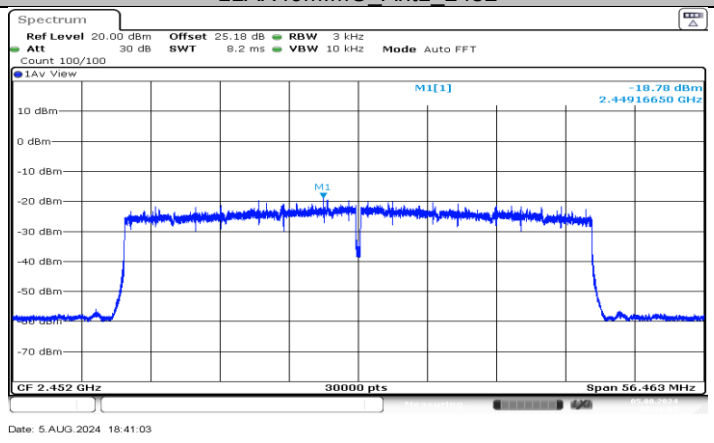


11AX40MIMO_Ant1_2452



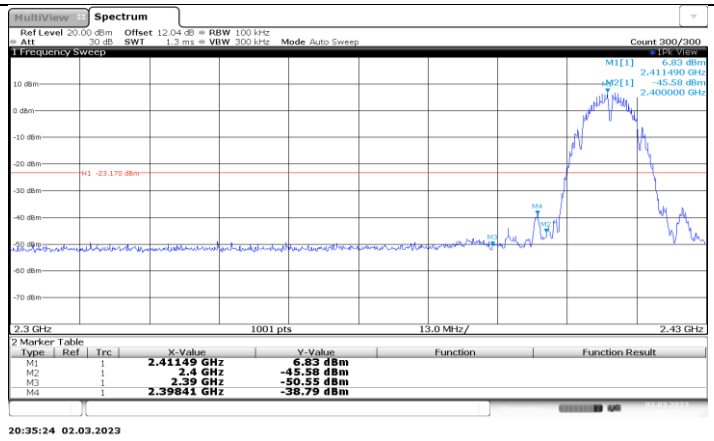
11AX40MIMO_Ant2_2452

11.5. APPENDIX E: BAND EDGE MEASUREMENTS

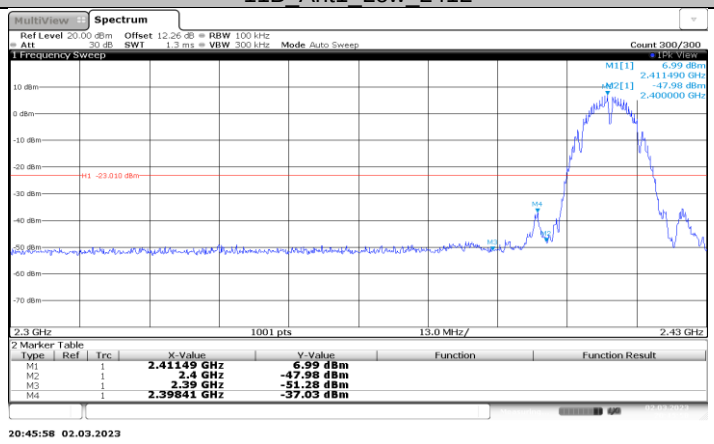
11.5.1. Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.83	-38.79	≤-23.17	PASS
	Ant2	Low	2412	6.99	-37.03	≤-23.01	PASS
	Ant1	High	2462	7.41	-48.37	≤-22.59	PASS
	Ant2	High	2462	7.20	-48.08	≤-22.8	PASS
11G	Ant1	Low	2412	4.47	-40.7	≤-25.53	PASS
	Ant2	Low	2412	4.78	-36.54	≤-25.22	PASS
	Ant1	High	2462	4.99	-46.5	≤-25.01	PASS
	Ant2	High	2462	4.81	-46.43	≤-25.19	PASS
11N20MIMO	Ant1	Low	2412	4.11	-40.08	≤-25.89	PASS
	Ant2	Low	2412	4.47	-39.73	≤-25.53	PASS
	Ant1	High	2462	4.94	-40.87	≤-25.06	PASS
	Ant2	High	2462	4.80	-44.58	≤-25.2	PASS
11N40MIMO	Ant1	Low	2422	2.26	-35.13	≤-27.74	PASS
	Ant2	Low	2422	2.58	-35.88	≤-27.42	PASS
	Ant1	High	2452	2.44	-36.18	≤-27.56	PASS
	Ant2	High	2452	2.71	-36.79	≤-27.29	PASS
11AX20MIMO	Ant1	Low	2412	1.53	-41.43	≤-28.47	PASS
	Ant2	Low	2412	1.31	-44.64	≤-28.69	PASS
	Ant1	High	2462	1.84	-47.46	≤-28.16	PASS
	Ant2	High	2462	1.63	-47.01	≤-28.37	PASS
11AX40MIMO	Ant1	Low	2422	0.84	-40	≤-29.16	PASS
	Ant2	Low	2422	1.16	-40.45	≤-28.84	PASS
	Ant1	High	2452	0.39	-40.64	≤-29.61	PASS
	Ant2	High	2452	0.36	-43.58	≤-29.64	PASS

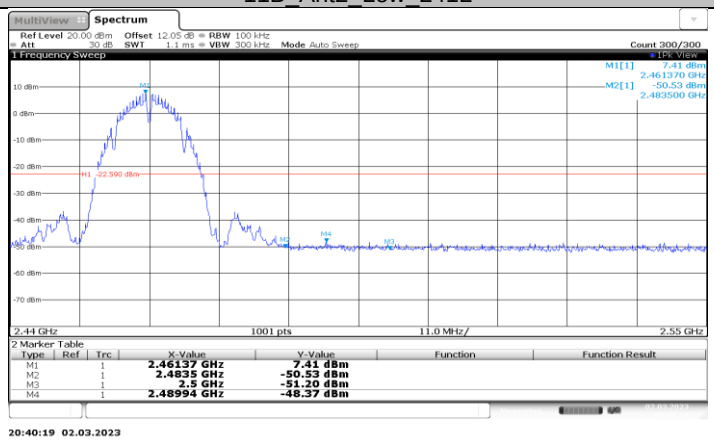
11.5.2. Test Graphs



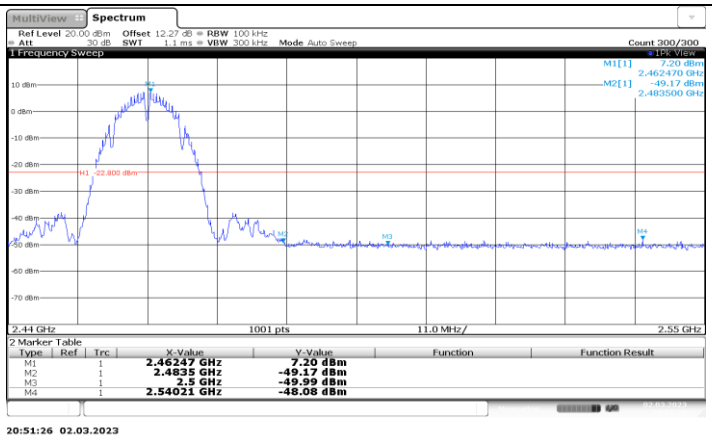
11B_Ant1_Low_2412



11B_Ant2_Low_2412



11B_Ant1_High_2462



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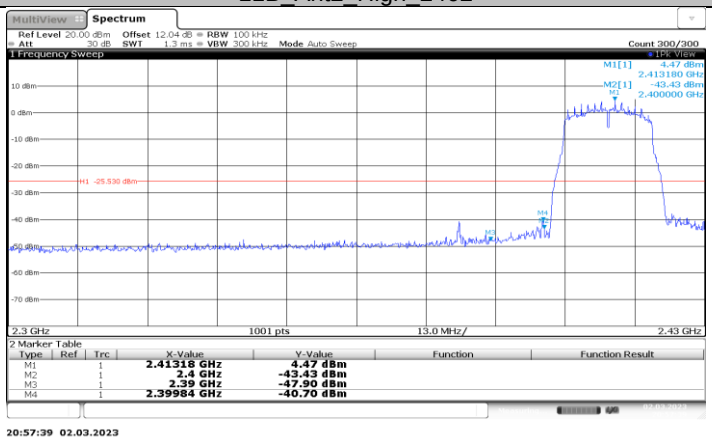
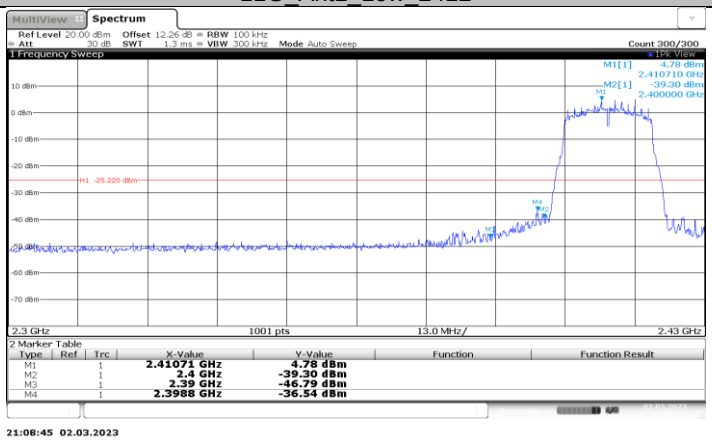
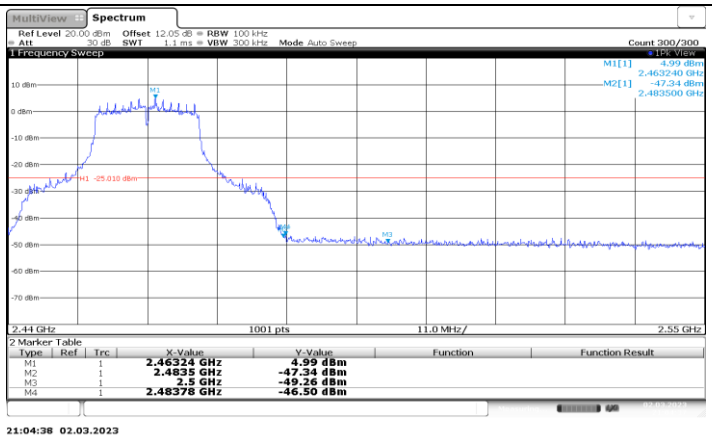


11G_Ant1_Low_2412



11G_Ant2_Low_2412



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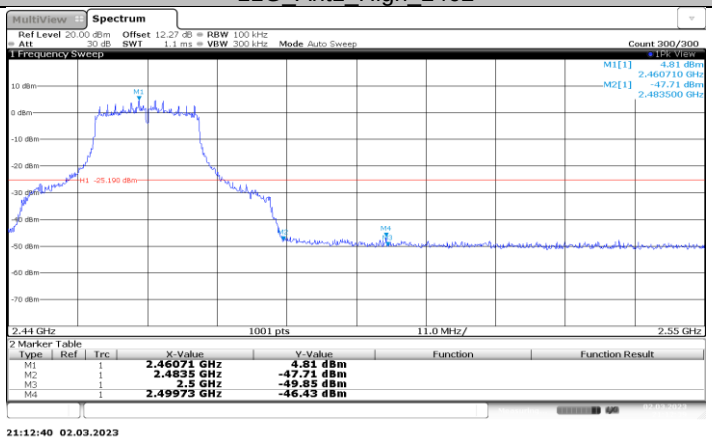

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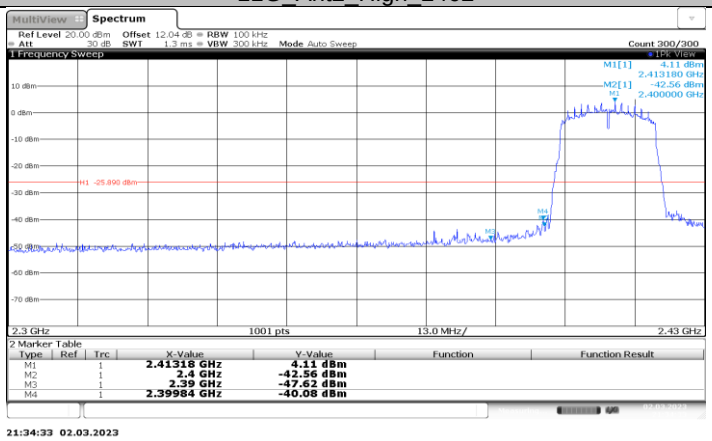

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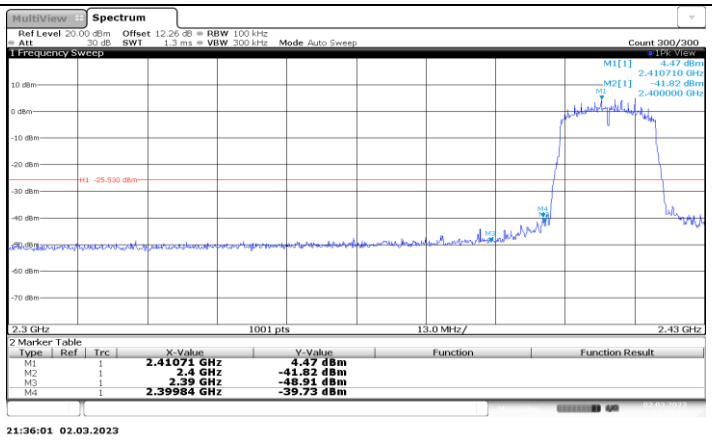

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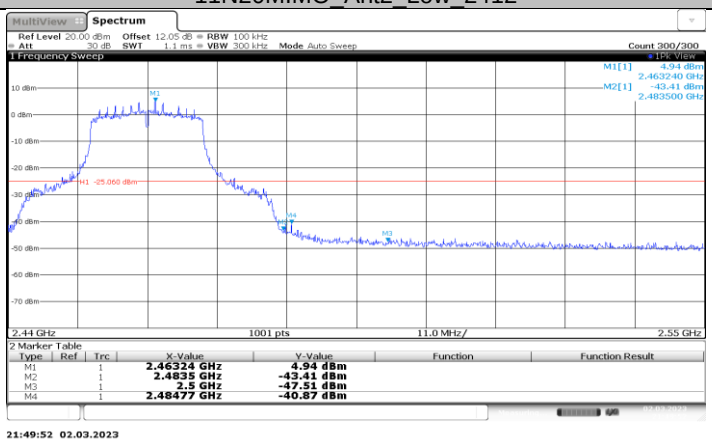

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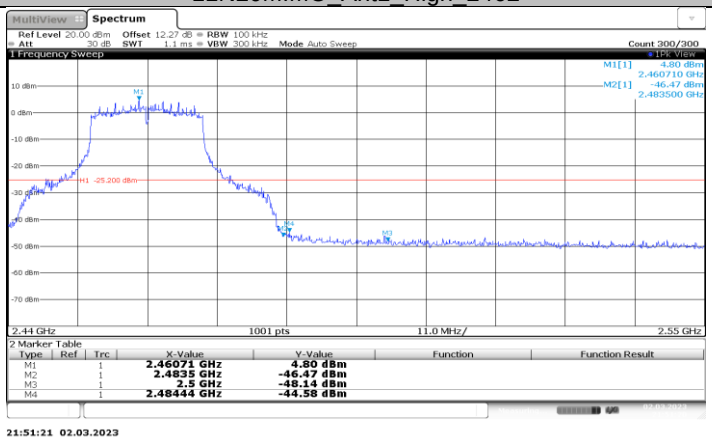

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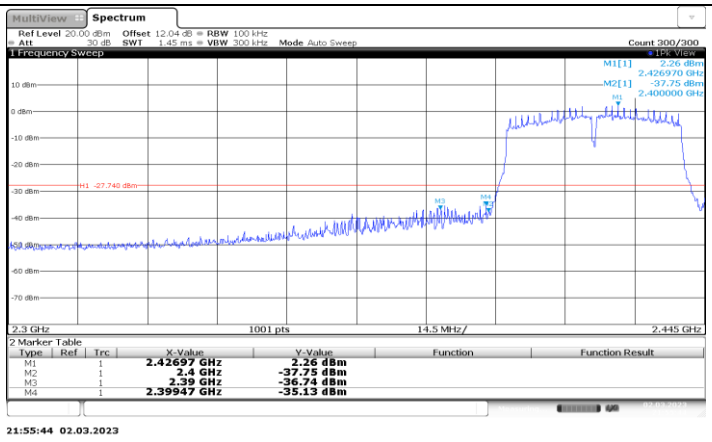

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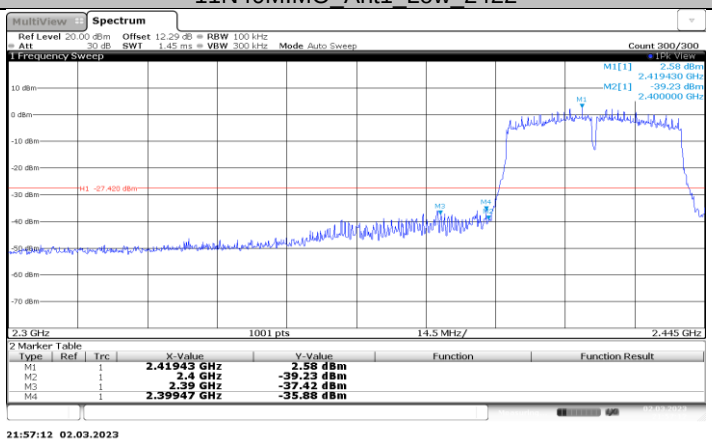

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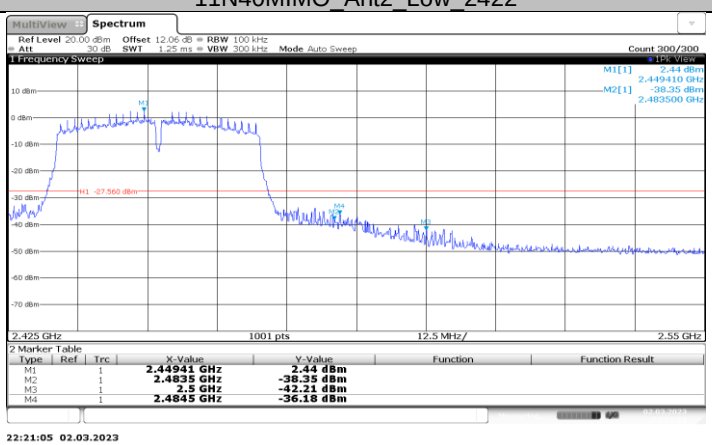
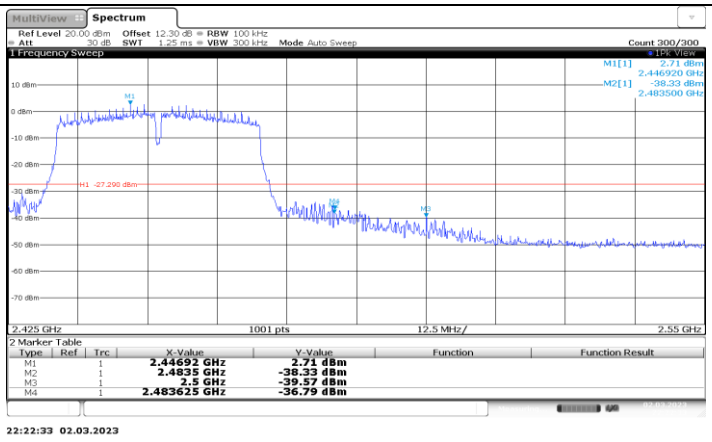


11N40MIMO_Ant1_High_2452



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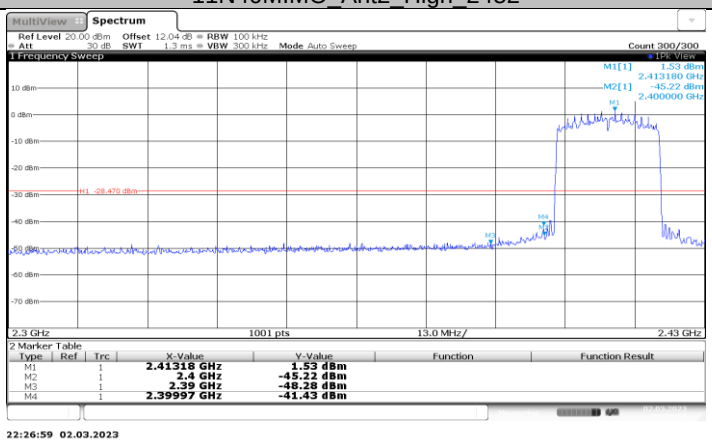

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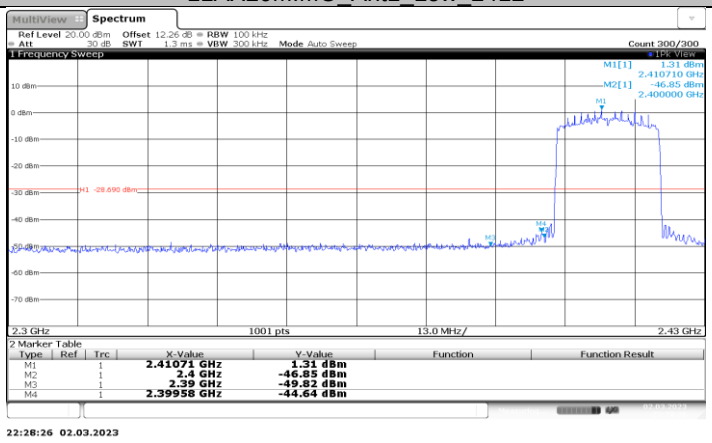

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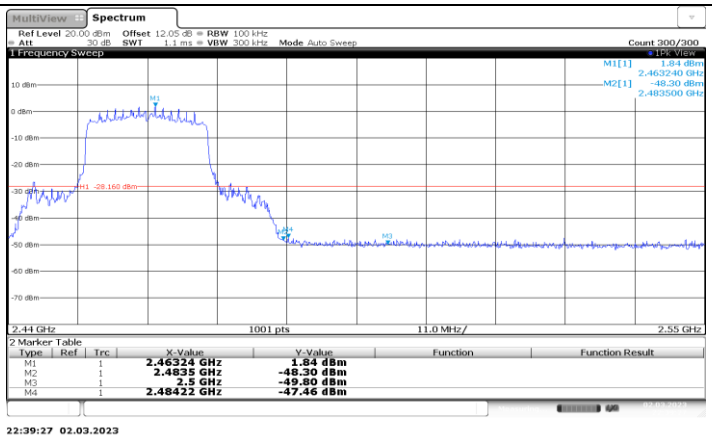

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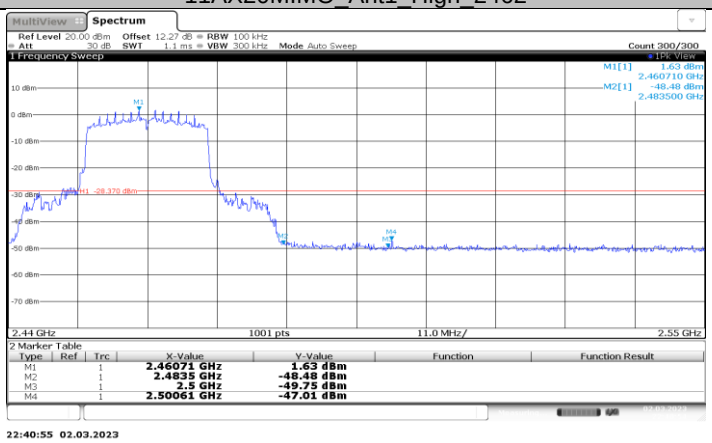

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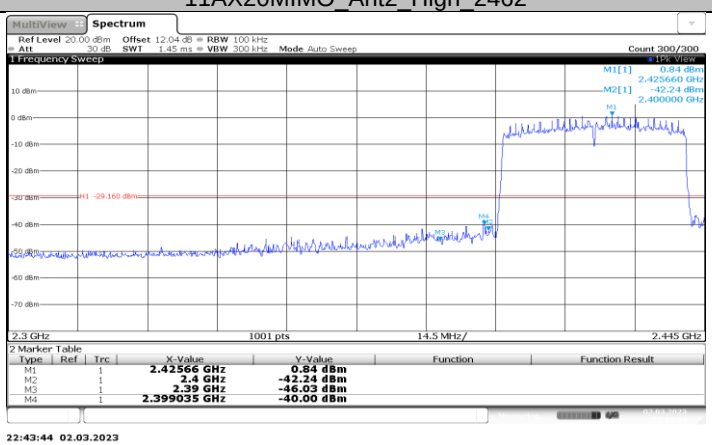

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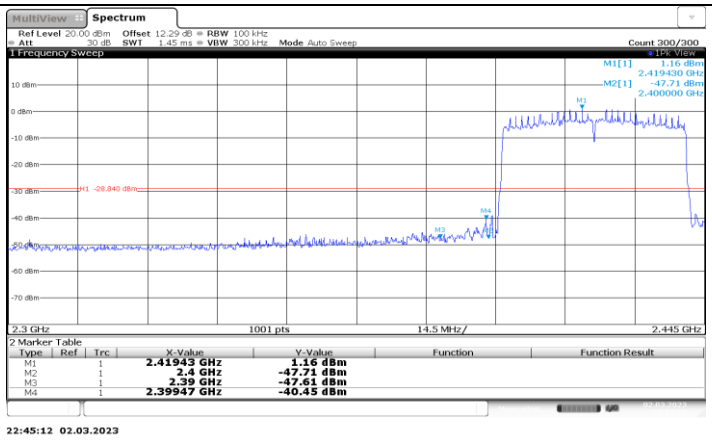
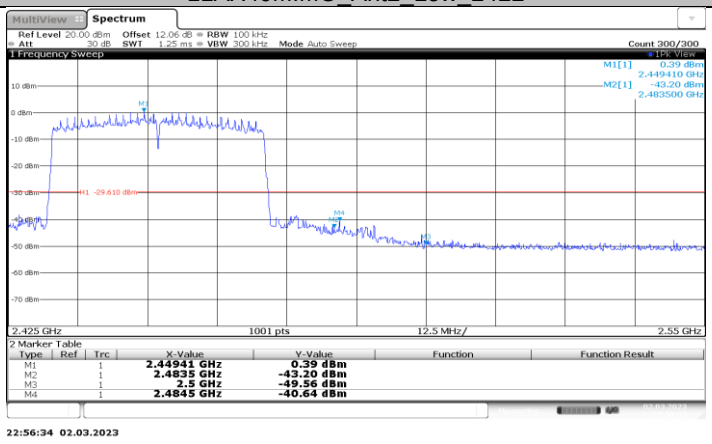
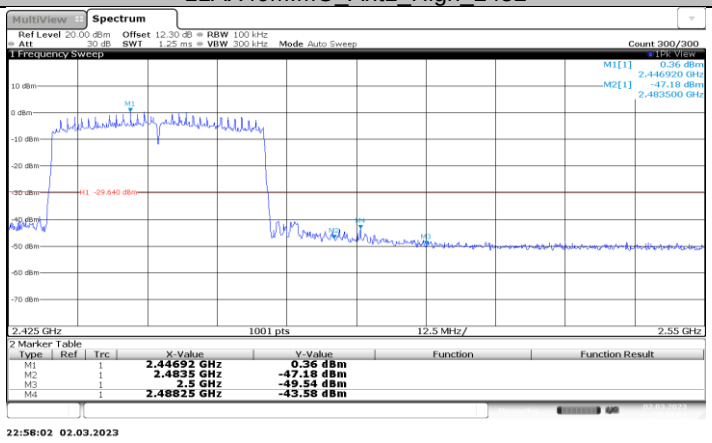


11AX40MIMO_Ant2_Low_2422



11AX40MIMO_Ant1_High_2452



11AX40MIMO_Ant2_High_2452

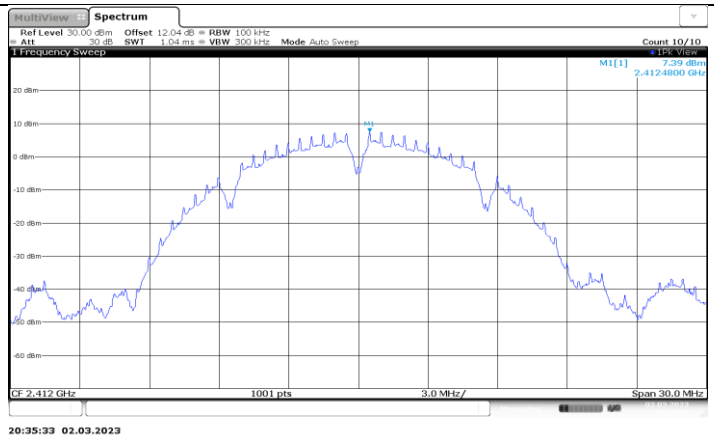
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

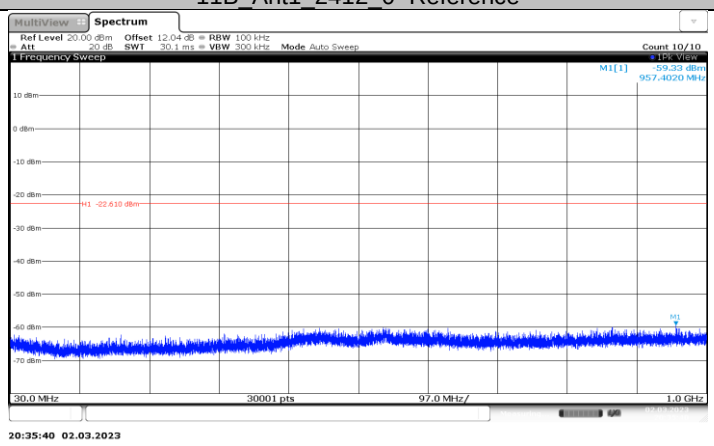
Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.39	---	PASS
			30~1000	-59.33	≤-22.61	PASS
			1000~26500	-43.71	≤-22.61	PASS
	Ant2	2412	Reference	7.16	---	PASS
			30~1000	-59.15	≤-22.84	PASS
			1000~26500	-43.68	≤-22.84	PASS
	Ant1	2437	Reference	7.56	---	PASS
			30~1000	-59.45	≤-22.44	PASS
			1000~26500	-43.41	≤-22.44	PASS
	Ant2	2437	Reference	7.71	---	PASS
			30~1000	-58.54	≤-22.29	PASS
			1000~26500	-43.85	≤-22.29	PASS
	Ant1	2462	Reference	7.46	---	PASS
			30~1000	-59.69	≤-22.54	PASS
			1000~26500	-43.75	≤-22.54	PASS
	Ant2	2462	Reference	7.52	---	PASS
			30~1000	-59.33	≤-22.48	PASS
			1000~26500	-43.51	≤-22.48	PASS
11G	Ant1	2412	Reference	4.77	---	PASS
			30~1000	-59.29	≤-25.23	PASS
			1000~26500	-43.19	≤-25.23	PASS
	Ant2	2412	Reference	5.23	---	PASS
			30~1000	-59.34	≤-24.77	PASS
			1000~26500	-43.37	≤-24.77	PASS
	Ant1	2437	Reference	5.02	---	PASS
			30~1000	-59.66	≤-24.98	PASS
			1000~26500	-43.75	≤-24.98	PASS
	Ant2	2437	Reference	5.23	---	PASS
			30~1000	-58.86	≤-24.77	PASS
			1000~26500	-43.09	≤-24.77	PASS
	Ant1	2462	Reference	5.08	---	PASS
			30~1000	-59.52	≤-24.92	PASS
			1000~26500	-43.88	≤-24.92	PASS
	Ant2	2462	Reference	5.01	---	PASS
			30~1000	-58.88	≤-24.99	PASS
			1000~26500	-43.63	≤-24.99	PASS
11N20MIMO	Ant1	2412	Reference	4.55	---	PASS
			30~1000	-58.54	≤-25.45	PASS
			1000~26500	-43	≤-25.45	PASS
	Ant2	2412	Reference	4.92	---	PASS
			30~1000	-58.95	≤-25.08	PASS
			1000~26500	-43.41	≤-25.08	PASS
	Ant1	2437	Reference	5.39	---	PASS
			30~1000	-59.13	≤-24.61	PASS
			1000~26500	-44.06	≤-24.61	PASS
	Ant2	2437	Reference	5.41	---	PASS
			30~1000	-59.41	≤-24.59	PASS
			1000~26500	-43.19	≤-24.59	PASS
	Ant1	2462	Reference	5.09	---	PASS
			30~1000	-59.36	≤-24.91	PASS
			1000~26500	-43.82	≤-24.91	PASS
	Ant2	2462	Reference	4.95	---	PASS
			30~1000	-58.84	≤-25.05	PASS
			1000~26500	-43.73	≤-25.05	PASS
11N40MIMO	Ant1	2422	Reference	2.72	---	PASS
			30~1000	-59.29	≤-27.28	PASS
			1000~26500	-42.7	≤-27.28	PASS

	Ant2	2422	Reference	3.08	---	PASS
			30~1000	-59.17	≤-26.92	PASS
			1000~26500	-43.12	≤-26.92	PASS
	Ant1	2437	Reference	2.40	---	PASS
			30~1000	-59.99	≤-27.6	PASS
			1000~26500	-43.29	≤-27.6	PASS
	Ant2	2437	Reference	2.94	---	PASS
			30~1000	-59.23	≤-27.06	PASS
			1000~26500	-43	≤-27.06	PASS
	Ant1	2452	Reference	2.70	---	PASS
			30~1000	-58.93	≤-27.3	PASS
			1000~26500	-44.3	≤-27.3	PASS
	Ant2	2452	Reference	2.70	---	PASS
			30~1000	-58.96	≤-27.3	PASS
			1000~26500	-43.35	≤-27.3	PASS
11AX20MIMO	Ant1	2412	Reference	1.85	---	PASS
			30~1000	-59.7	≤-28.15	PASS
			1000~26500	-43.39	≤-28.15	PASS
	Ant2	2412	Reference	1.81	---	PASS
			30~1000	-59.35	≤-28.19	PASS
			1000~26500	-43.66	≤-28.19	PASS
	Ant1	2437	Reference	2.08	---	PASS
			30~1000	-58.64	≤-27.92	PASS
			1000~26500	-43.75	≤-27.92	PASS
	Ant2	2437	Reference	2.06	---	PASS
			30~1000	-59.11	≤-27.94	PASS
			1000~26500	-43.58	≤-27.94	PASS
	Ant1	2462	Reference	1.97	---	PASS
			30~1000	-59.77	≤-28.03	PASS
			1000~26500	-43.51	≤-28.03	PASS
	Ant2	2462	Reference	1.87	---	PASS
			30~1000	-59.57	≤-28.13	PASS
			1000~26500	-43.1	≤-28.13	PASS
11AX40MIMO	Ant1	2422	Reference	1.36	---	PASS
			30~1000	-59.68	≤-28.64	PASS
			1000~26500	-43.75	≤-28.64	PASS
	Ant2	2422	Reference	1.58	---	PASS
			30~1000	-59.28	≤-28.42	PASS
			1000~26500	-42.74	≤-28.42	PASS
	Ant1	2437	Reference	0.30	---	PASS
			30~1000	-59.72	≤-29.7	PASS
			1000~26500	-43.79	≤-29.7	PASS
	Ant2	2437	Reference	0.55	---	PASS
			30~1000	-59.12	≤-29.45	PASS
			1000~26500	-43.06	≤-29.45	PASS
	Ant1	2452	Reference	0.39	---	PASS
			30~1000	-59.72	≤-29.61	PASS
			1000~26500	-43.11	≤-29.61	PASS
	Ant2	2452	Reference	0.50	---	PASS
			30~1000	-58.52	≤-29.5	PASS
			1000~26500	-43.73	≤-29.5	PASS

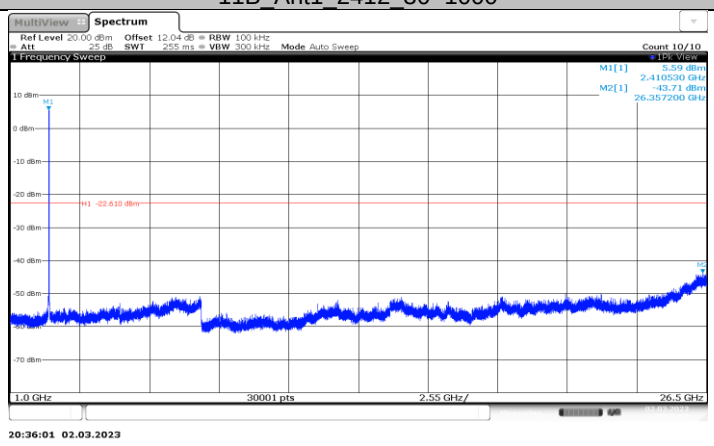
11.6.2. Test Graphs



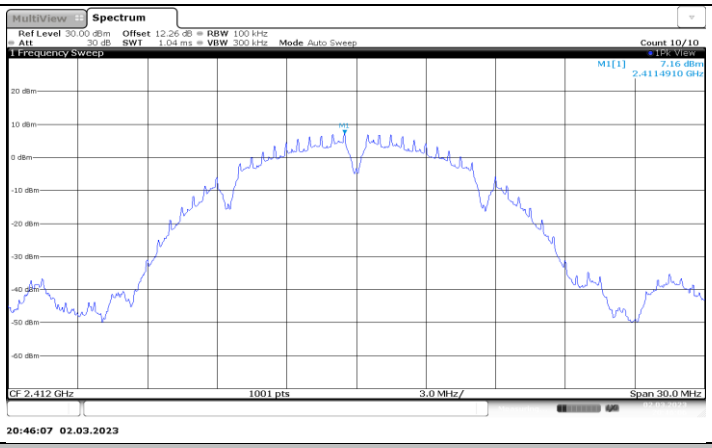
11B_Ant1_2412_0~Reference



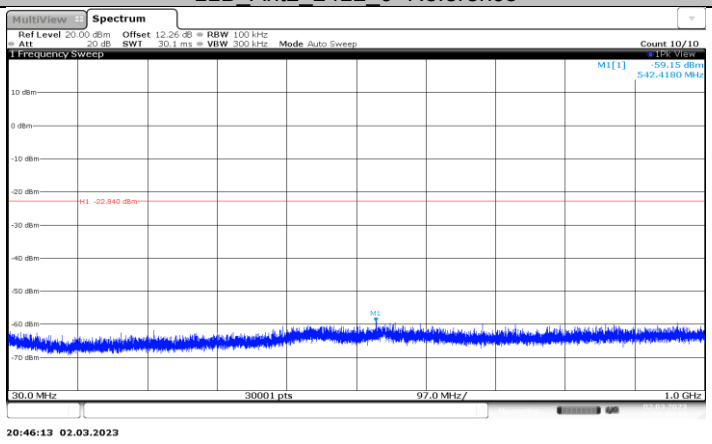
11B_Ant1_2412_30~1000



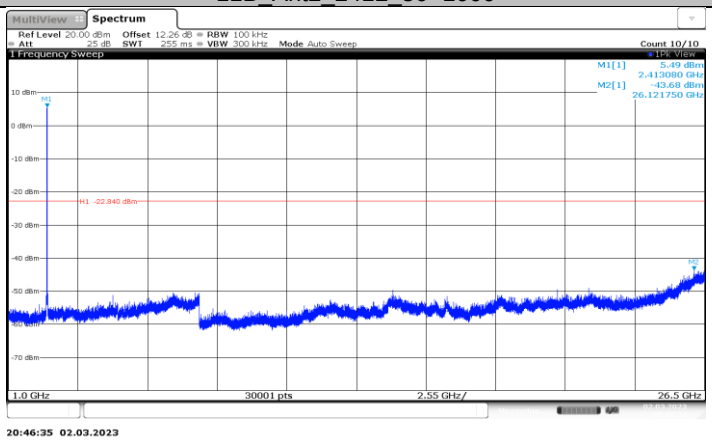
11B_Ant1_2412_1000~26500



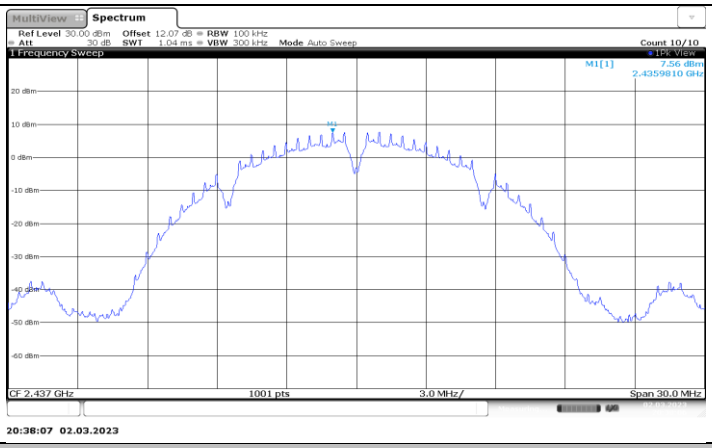
11B_Ant2_2412_0~Reference



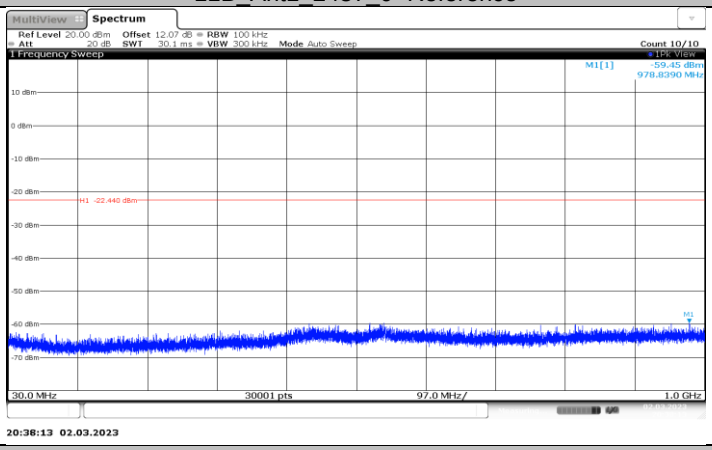
11B_Ant2_2412_30~1000



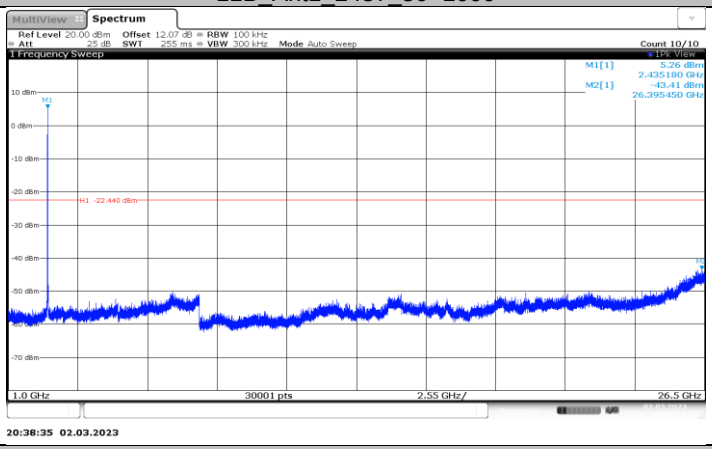
11B_Ant2_2412_1000~26500



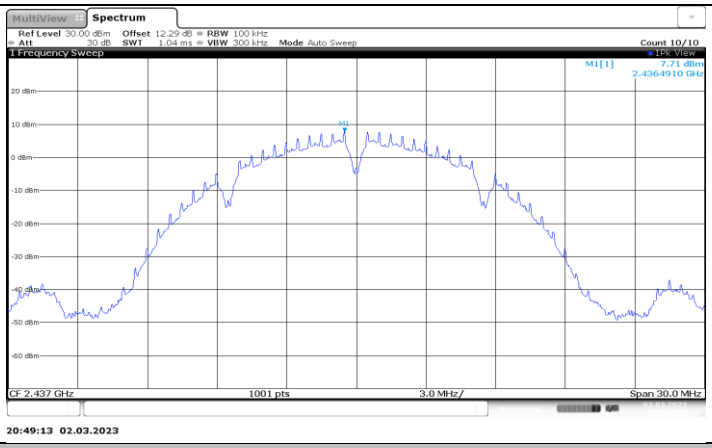
11B_Ant1_2437_0~Reference



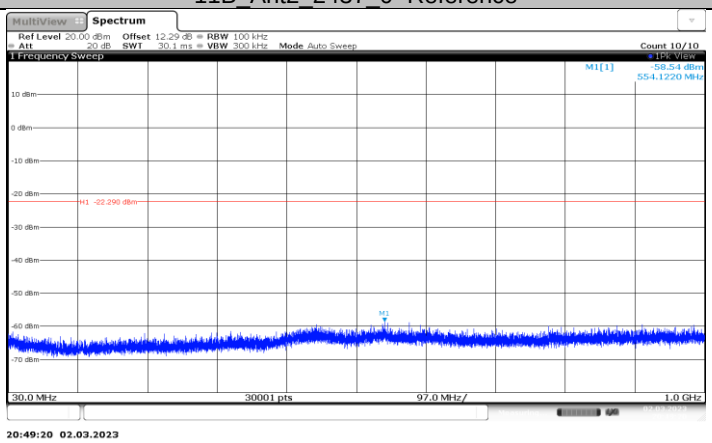
11B_Ant1_2437_30~1000



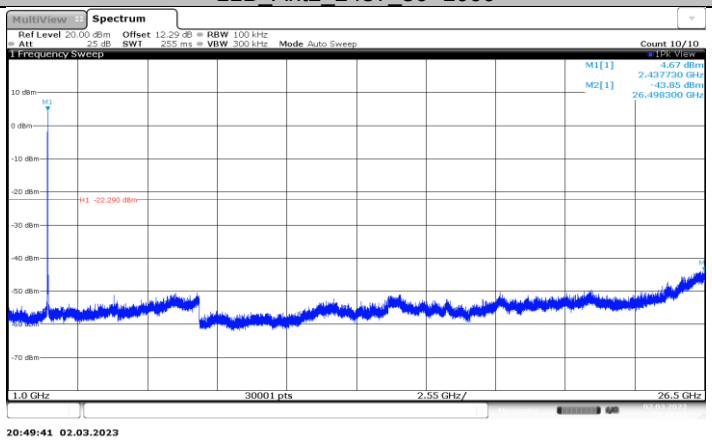
11B_Ant1_2437_1000~26500



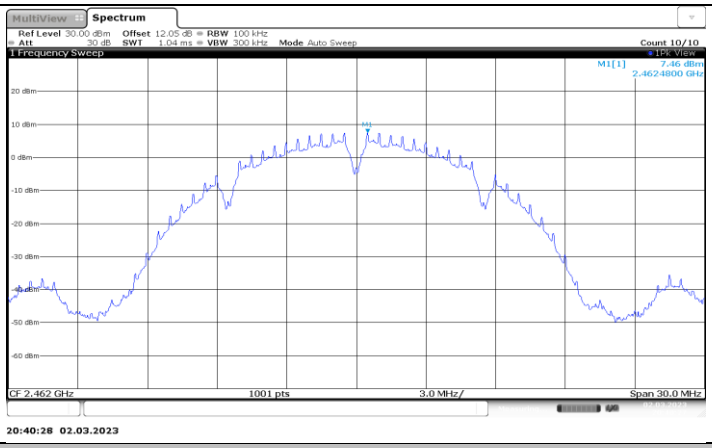
11B_Ant2_2437_0~Reference



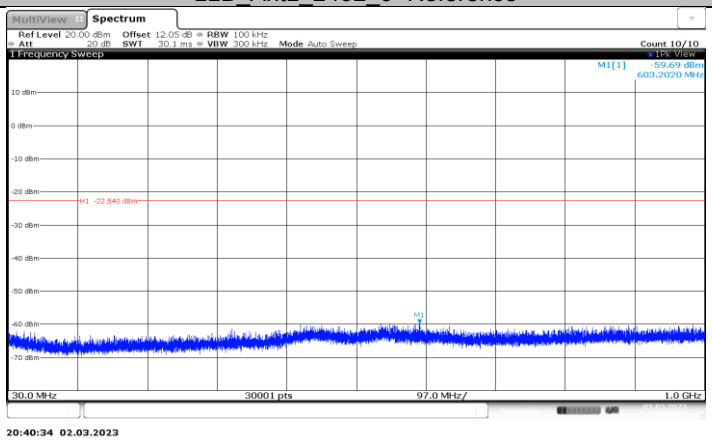
11B_Ant2_2437_30~1000



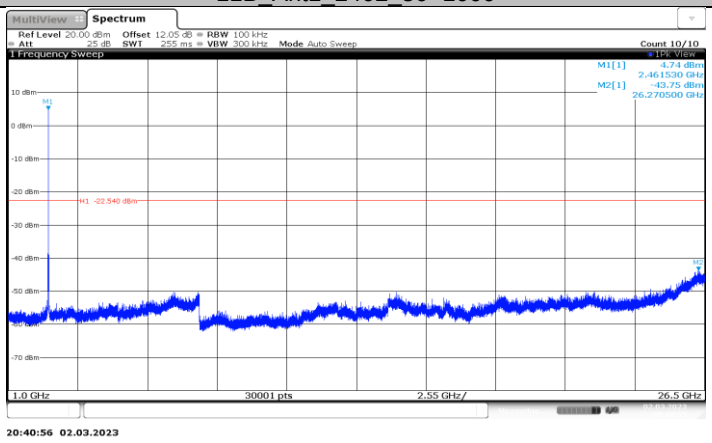
11B_Ant2_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500