

11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	2412	15.63	≤30.00	PASS
	Ant3	2412	16.28	≤30.00	PASS
	total	2412	18.98	≤30.00	PASS
	Ant1	2437	15.34	≤30.00	PASS
	Ant3	2437	16.22	≤30.00	PASS
	total	2437	18.81	≤30.00	PASS
	Ant1	2462	15.49	≤30.00	PASS
	Ant3	2462	15.34	≤30.00	PASS
	total	2462	18.43	≤30.00	PASS
11G-CDD	Ant1	2412	13.16	≤30.00	PASS
	Ant3	2412	13.56	≤30.00	PASS
	total	2412	16.37	≤30.00	PASS
	Ant1	2437	14.33	≤30.00	PASS
	Ant3	2437	14.54	≤30.00	PASS
	total	2437	17.45	≤30.00	PASS
	Ant1	2462	14.24	≤30.00	PASS
	Ant3	2462	14.04	≤30.00	PASS
	total	2462	17.15	≤30.00	PASS
11N20MIMO	Ant1	2412	11.98	≤30.00	PASS
	Ant3	2412	12.61	≤30.00	PASS
	total	2412	15.32	≤30.00	PASS
	Ant1	2437	13.28	≤30.00	PASS
	Ant3	2437	13.69	≤30.00	PASS
	total	2437	16.50	≤30.00	PASS
	Ant1	2462	13.37	≤30.00	PASS
	Ant3	2462	13.21	≤30.00	PASS
	total	2462	16.30	≤30.00	PASS
11N40MIMO	Ant1	2422	11.77	≤30.00	PASS
	Ant3	2422	12.29	≤30.00	PASS
	total	2422	15.05	≤30.00	PASS
	Ant1	2437	12.62	≤30.00	PASS
	Ant3	2437	13.01	≤30.00	PASS
	total	2437	15.83	≤30.00	PASS
	Ant1	2452	11.24	≤30.00	PASS
	Ant3	2452	11.14	≤30.00	PASS
	total	2452	14.20	≤30.00	PASS
11AX20MIMO	Ant1	2412	12.84	≤30.00	PASS
	Ant3	2412	13.39	≤30.00	PASS
	total	2412	16.13	≤30.00	PASS
	Ant1	2437	14.17	≤30.00	PASS
	Ant3	2437	14.49	≤30.00	PASS
	total	2437	17.34	≤30.00	PASS
	Ant1	2462	13.32	≤30.00	PASS
	Ant3	2462	13.06	≤30.00	PASS
	total	2462	16.20	≤30.00	PASS
11AX40MIMO	Ant1	2422	12.61	≤30.00	PASS
	Ant3	2422	13.11	≤30.00	PASS
	total	2422	15.88	≤30.00	PASS
	Ant1	2437	14.22	≤30.00	PASS
	Ant3	2437	14.60	≤30.00	PASS
	total	2437	17.42	≤30.00	PASS
	Ant1	2452	13.15	≤30.00	PASS
	Ant3	2452	12.97	≤30.00	PASS
	total	2452	16.07	≤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.

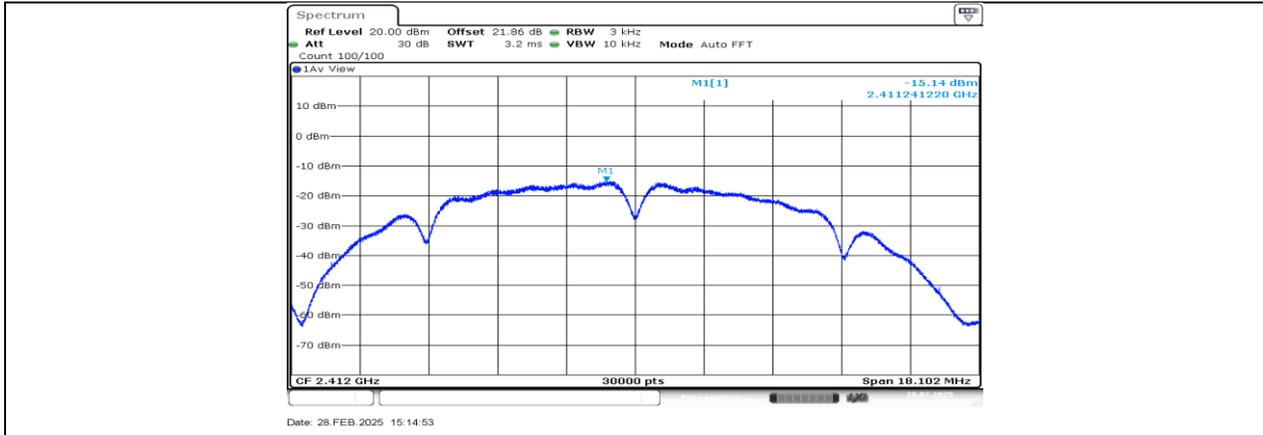
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-15.14	≤8.00	PASS
	Ant3	2412	-14.28	≤8.00	PASS
	total	2412	-11.68	≤8.00	PASS
	Ant1	2437	-15.37	≤8.00	PASS
	Ant3	2437	-14.28	≤8.00	PASS
	total	2437	-11.78	≤8.00	PASS
	Ant1	2462	-14.89	≤8.00	PASS
	Ant3	2462	-15.28	≤8.00	PASS
	total	2462	-12.07	≤8.00	PASS
11G-CDD	Ant1	2412	-19.37	≤8.00	PASS
	Ant3	2412	-18.95	≤8.00	PASS
	total	2412	-16.14	≤8.00	PASS
	Ant1	2437	-18.28	≤8.00	PASS
	Ant3	2437	-17.92	≤8.00	PASS
	total	2437	-15.09	≤8.00	PASS
	Ant1	2462	-18.36	≤8.00	PASS
	Ant3	2462	-18.39	≤8.00	PASS
	total	2462	-15.36	≤8.00	PASS
11N20MIMO	Ant1	2412	-20.34	≤8.00	PASS
	Ant3	2412	-19.50	≤8.00	PASS
	total	2412	-16.89	≤8.00	PASS
	Ant1	2437	-18.87	≤8.00	PASS
	Ant3	2437	-18.97	≤8.00	PASS
	total	2437	-15.91	≤8.00	PASS
	Ant1	2462	-19.07	≤8.00	PASS
	Ant3	2462	-19.02	≤8.00	PASS
	total	2462	-16.03	≤8.00	PASS
11N40MIMO	Ant1	2422	-21.85	≤8.00	PASS
	Ant3	2422	-21.56	≤8.00	PASS
	total	2422	-18.69	≤8.00	PASS
	Ant1	2437	-20.79	≤8.00	PASS
	Ant3	2437	-20.62	≤8.00	PASS
	total	2437	-17.69	≤8.00	PASS
	Ant1	2452	-22.55	≤8.00	PASS
	Ant3	2452	-22.20	≤8.00	PASS
	total	2452	-19.36	≤8.00	PASS
11AX20MIMO	Ant1	2412	-18.85	≤8.00	PASS
	Ant3	2412	-17.66	≤8.00	PASS
	total	2412	-15.20	≤8.00	PASS
	Ant1	2437	-16.47	≤8.00	PASS
	Ant3	2437	-16.52	≤8.00	PASS
	total	2437	-13.48	≤8.00	PASS
	Ant1	2462	-18.46	≤8.00	PASS
	Ant3	2462	-18.28	≤8.00	PASS
	total	2462	-15.36	≤8.00	PASS
11AX40MIMO	Ant1	2422	-21.39	≤8.00	PASS
	Ant3	2422	-20.90	≤8.00	PASS
	total	2422	-18.13	≤8.00	PASS
	Ant1	2437	-19.52	≤8.00	PASS
	Ant3	2437	-19.45	≤8.00	PASS
	total	2437	-16.47	≤8.00	PASS
	Ant1	2452	-20.71	≤8.00	PASS
	Ant3	2452	-21.09	≤8.00	PASS
	total	2452	-17.89	≤8.00	PASS

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

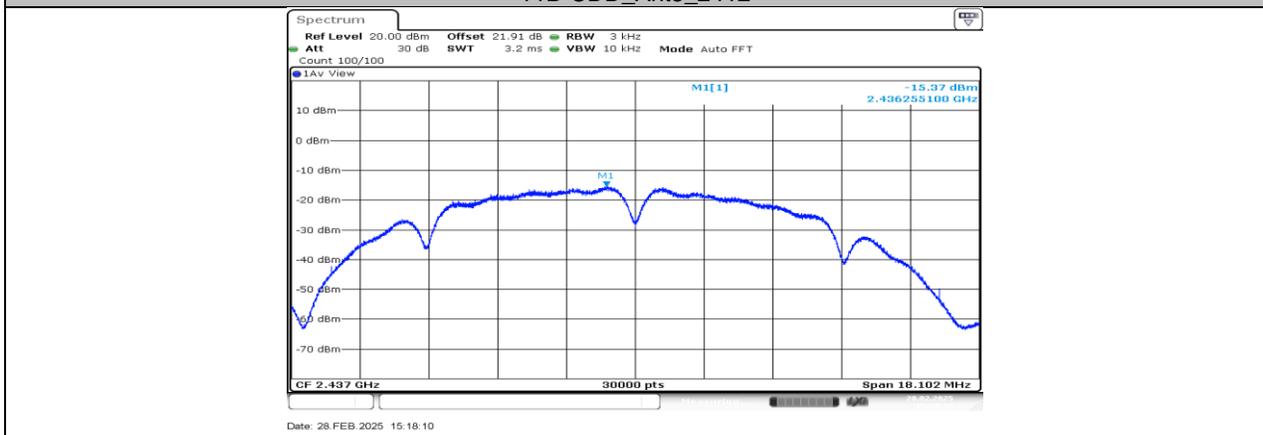
11.4.2. Test Graphs



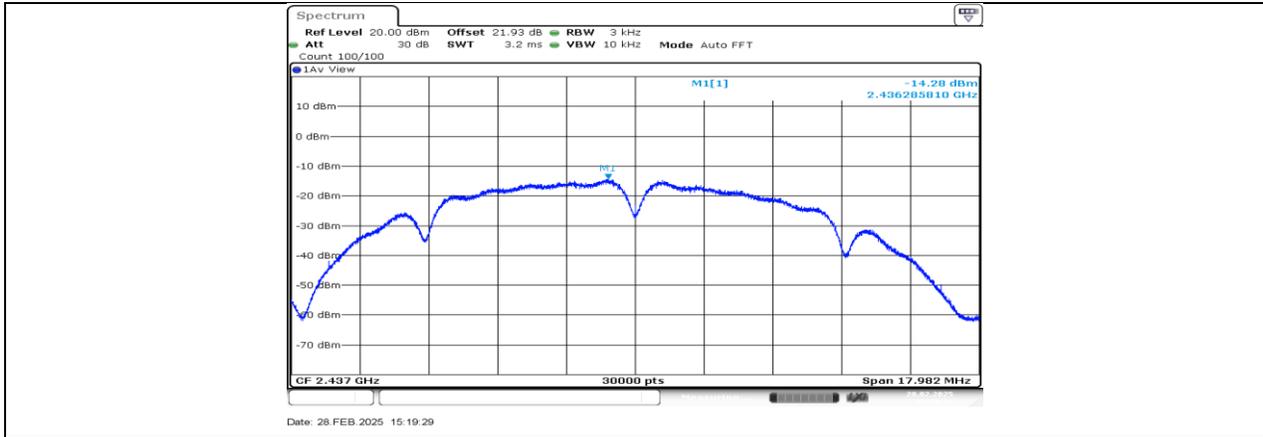
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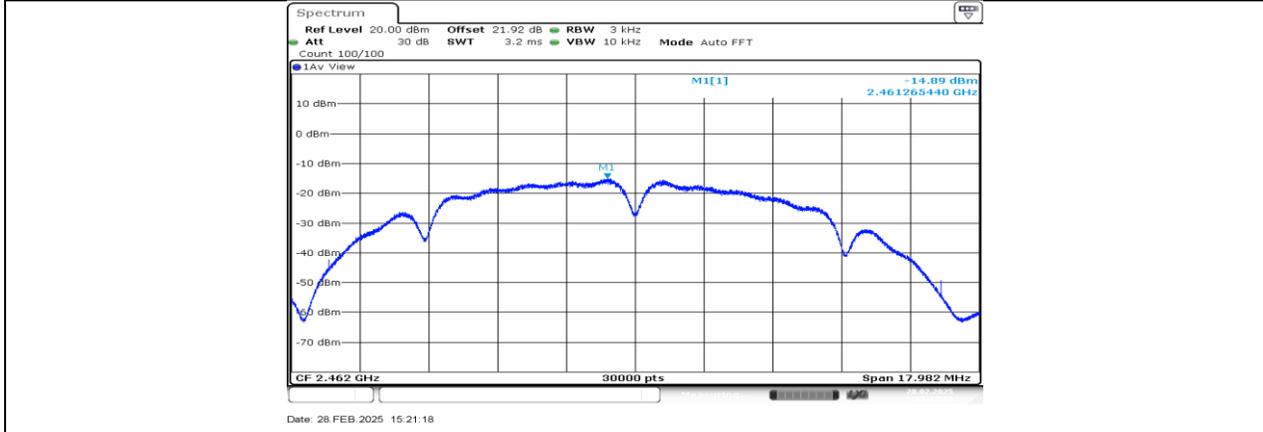
11B-CDD_Ant3_2412



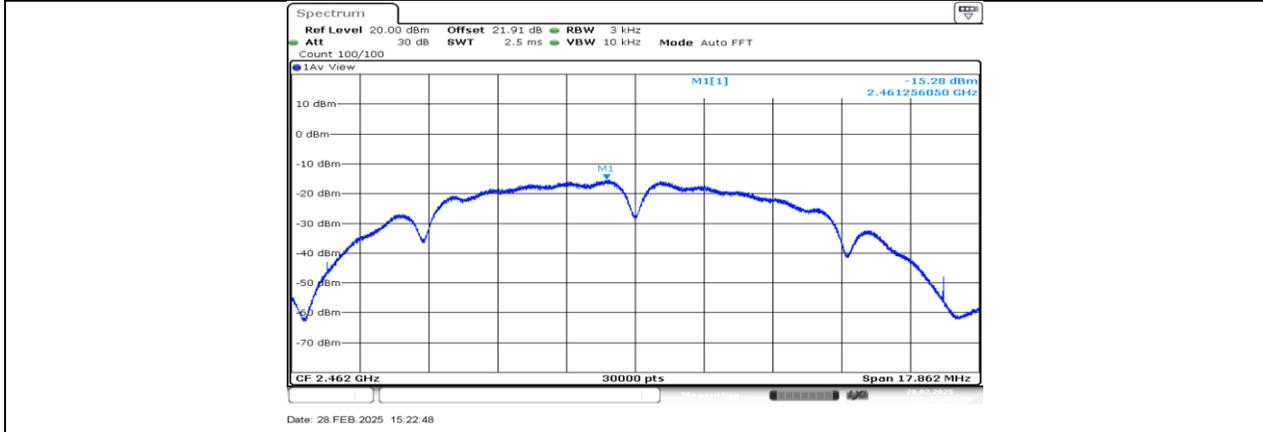
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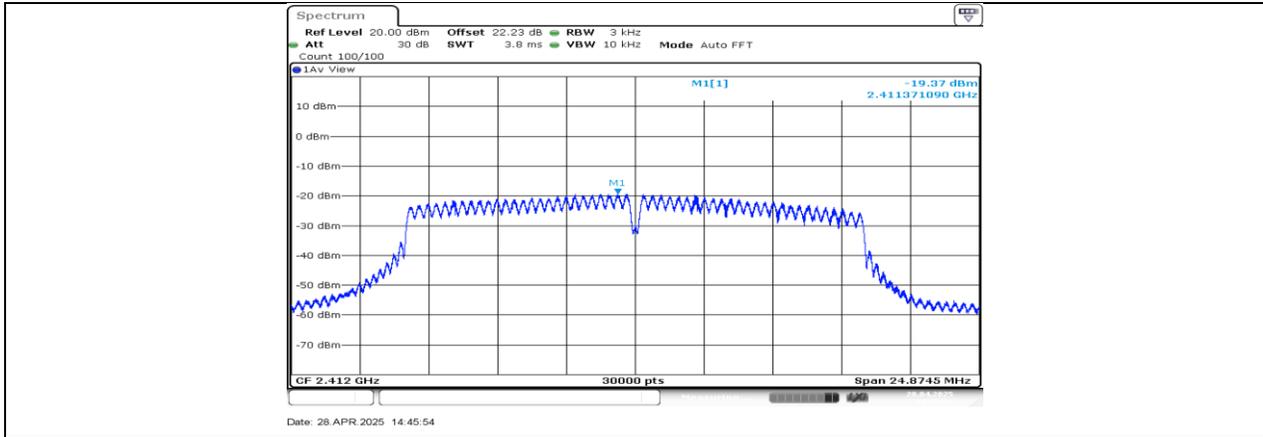
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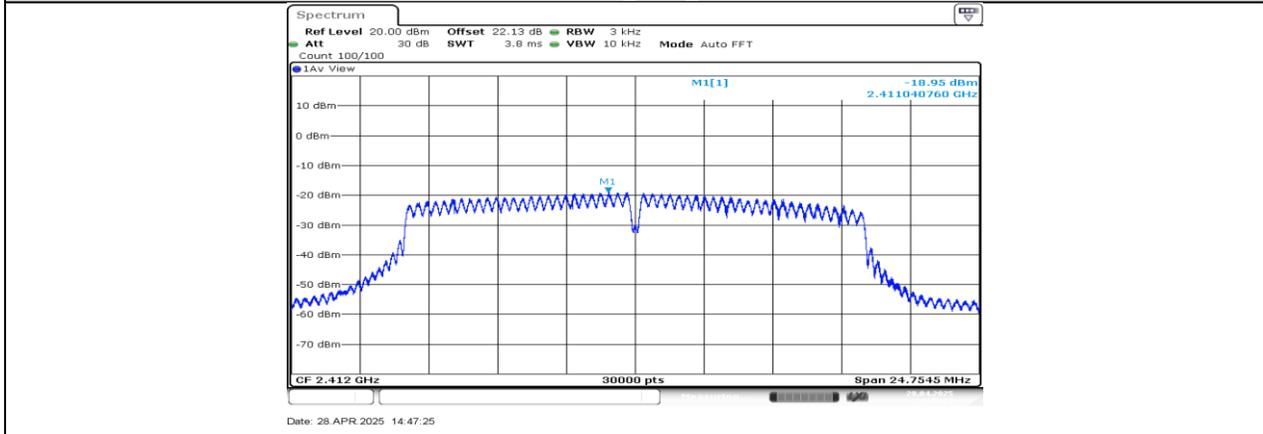
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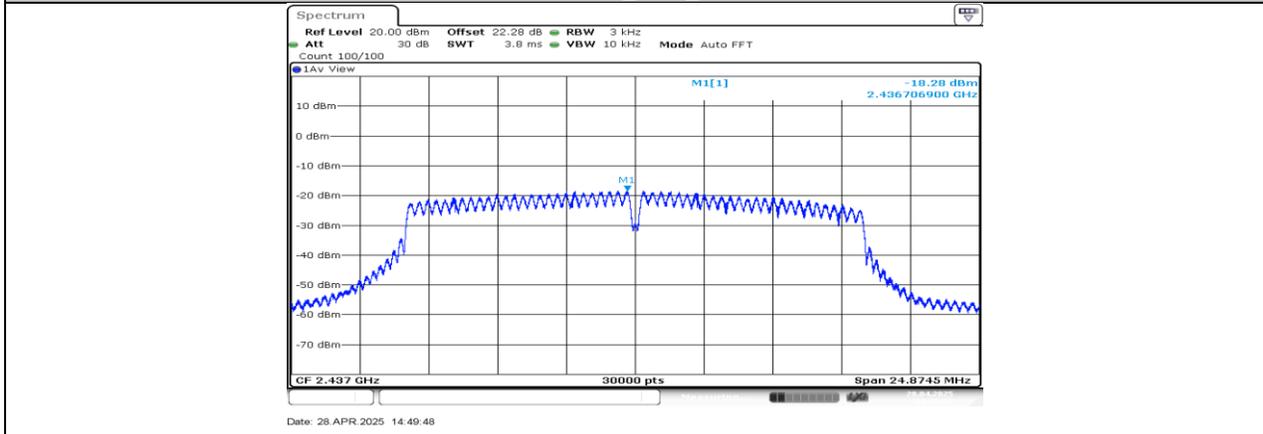
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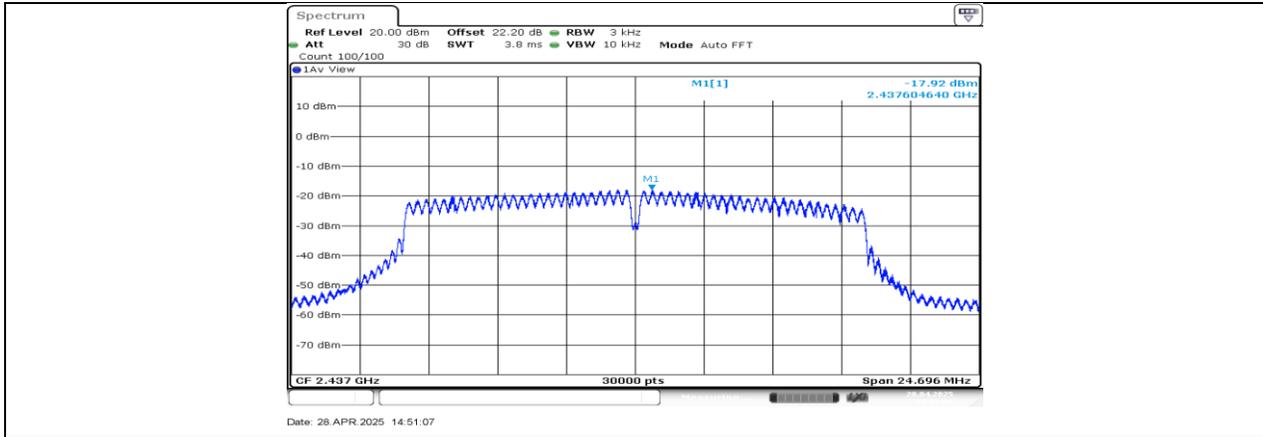
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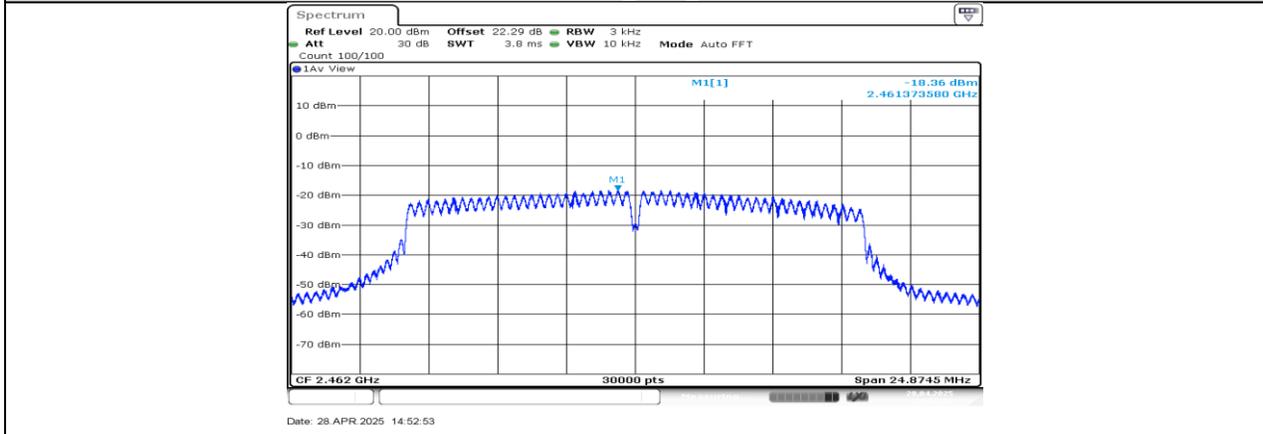
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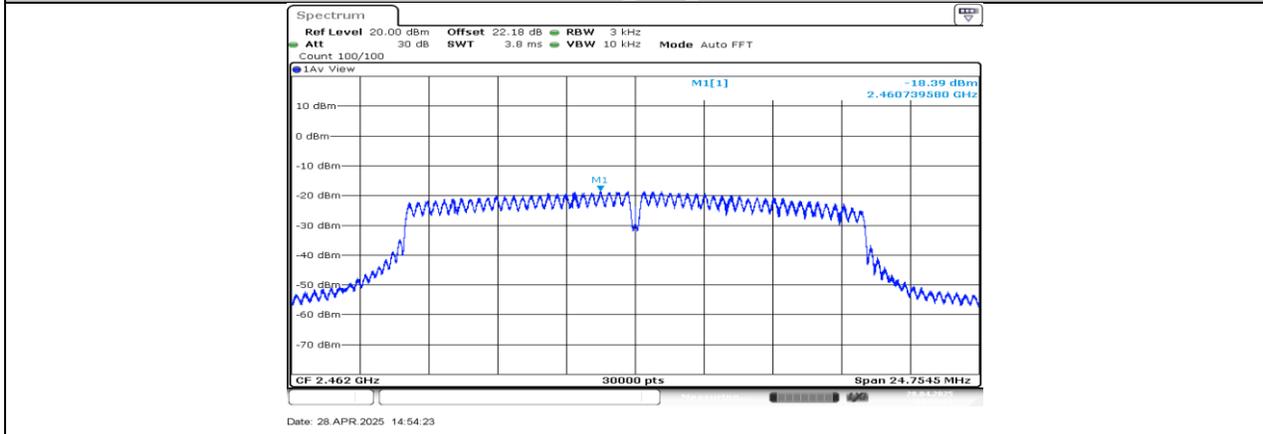
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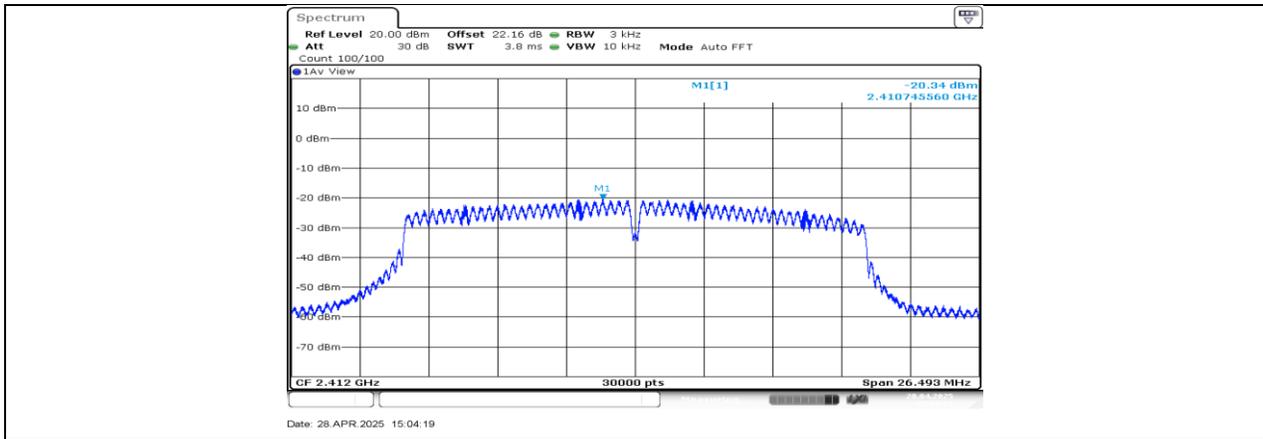
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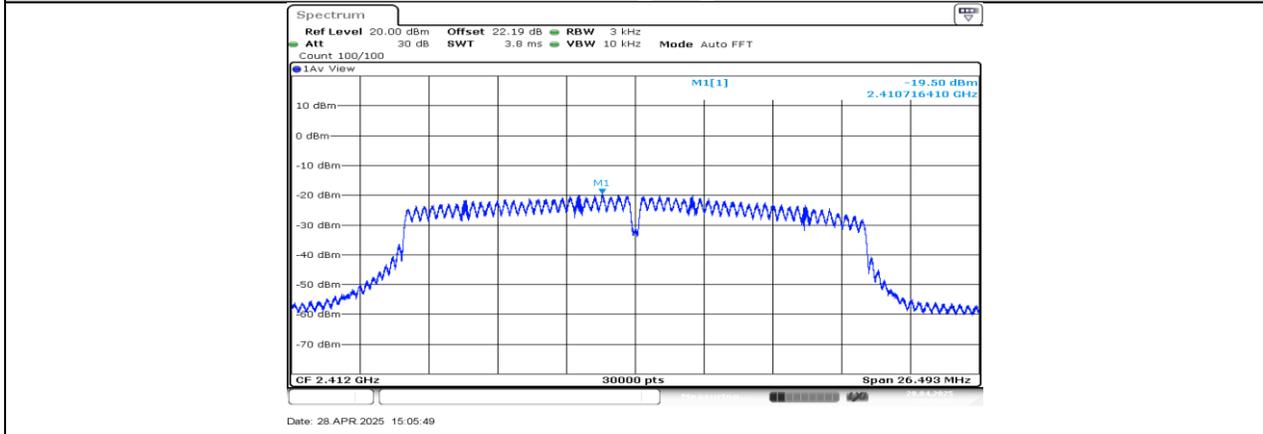
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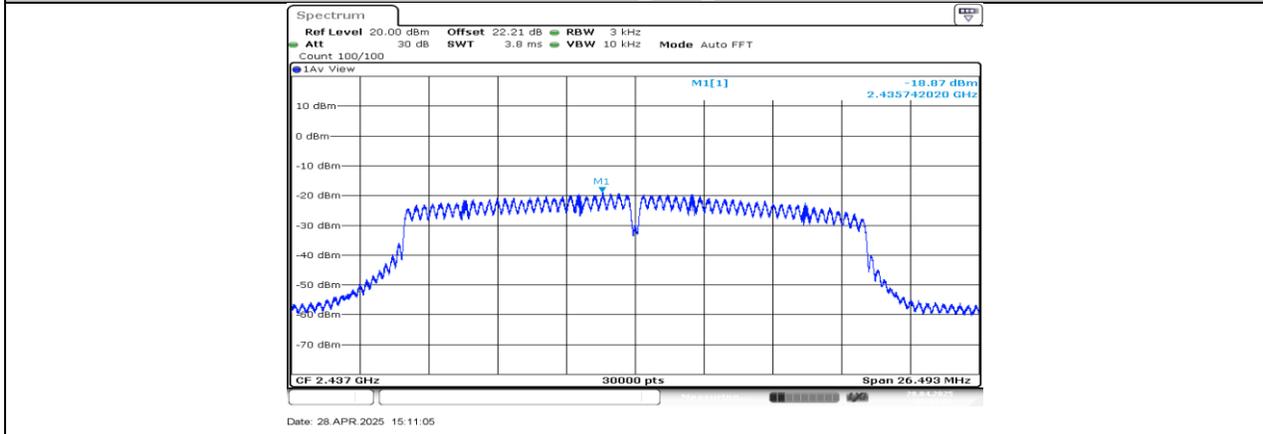
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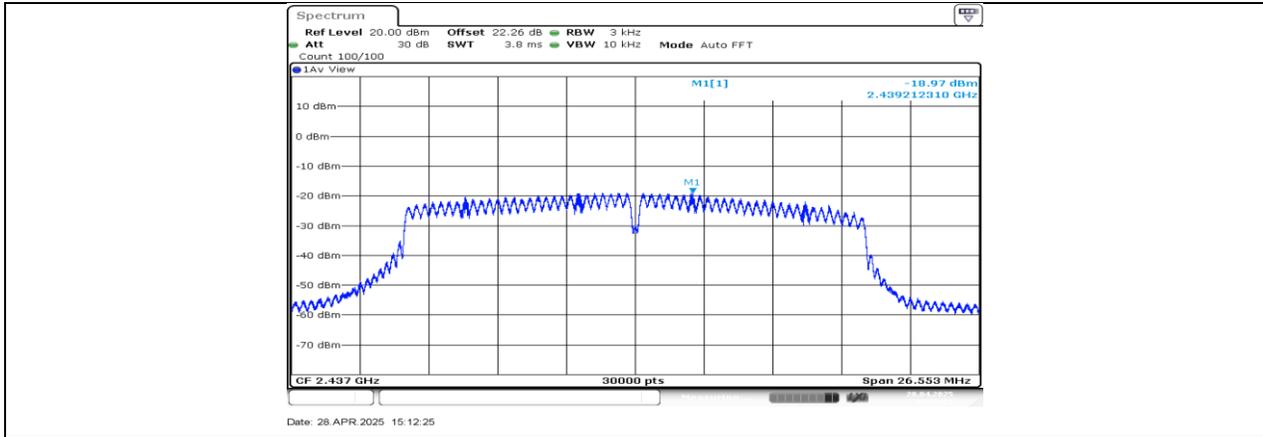
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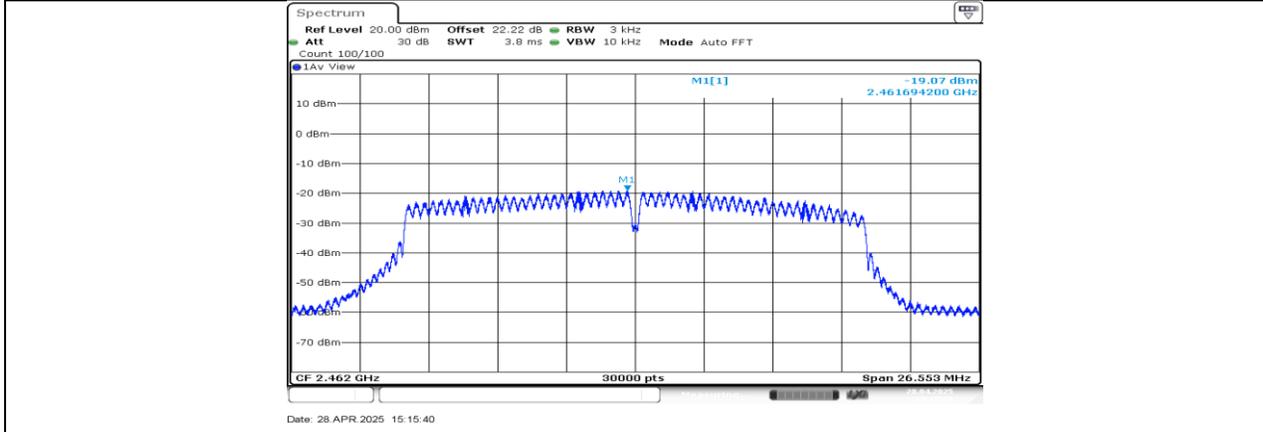
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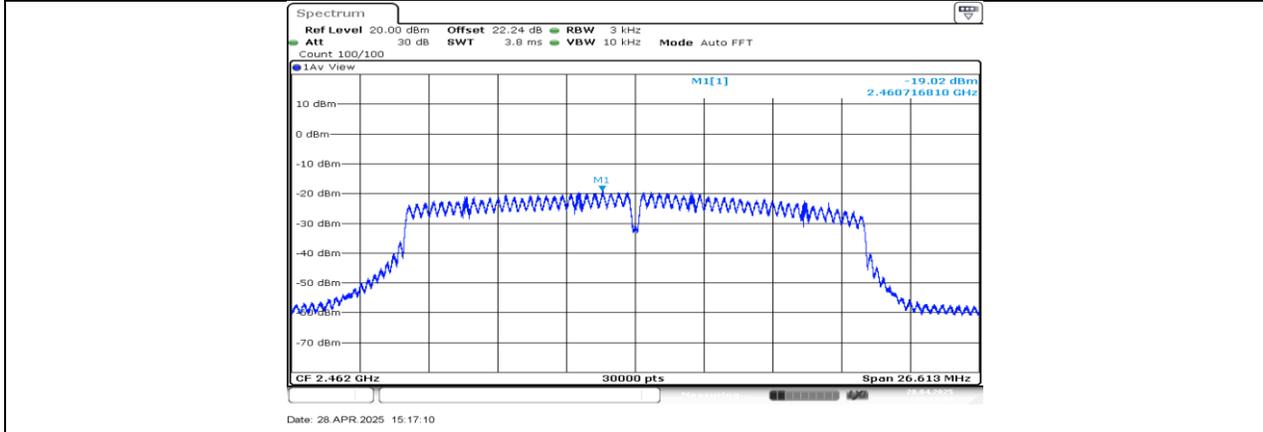
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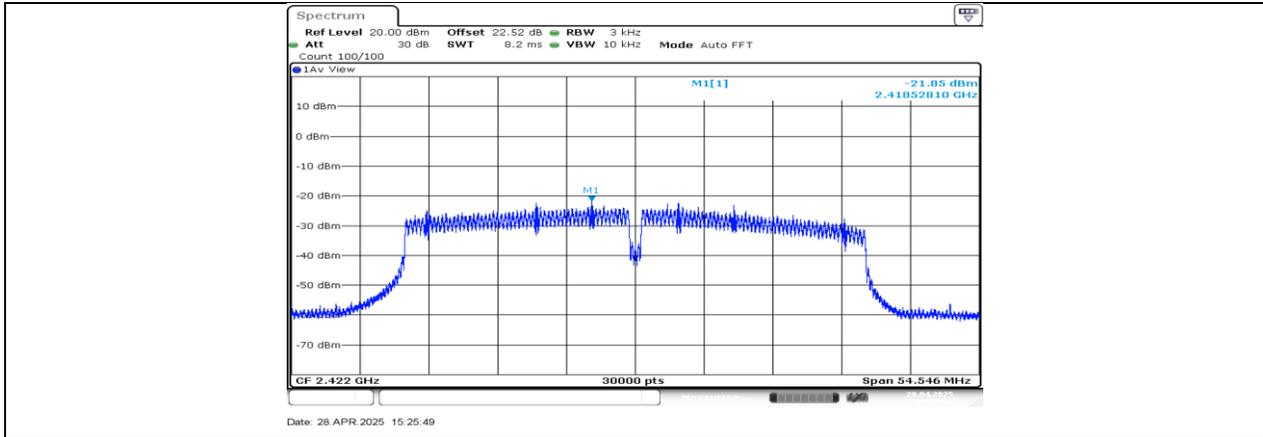
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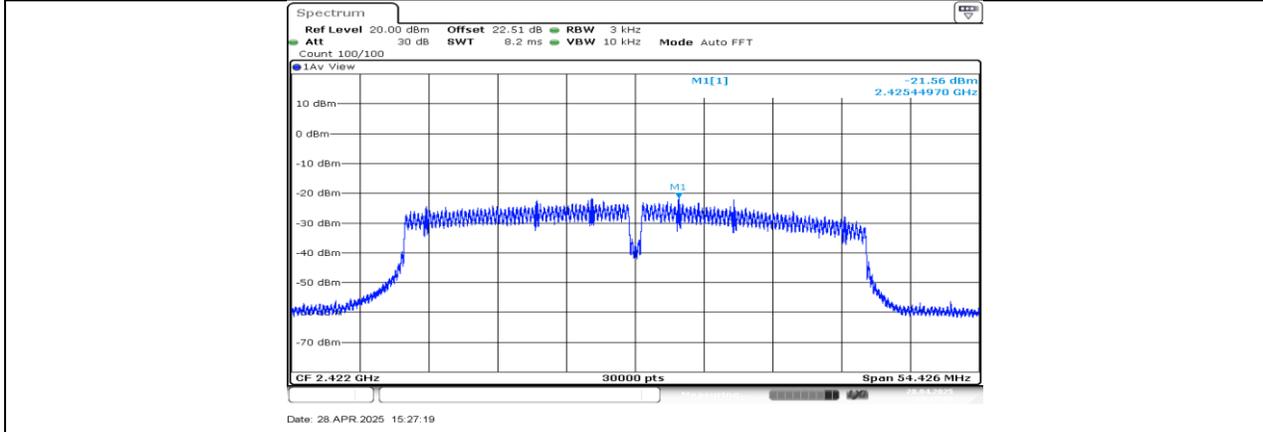
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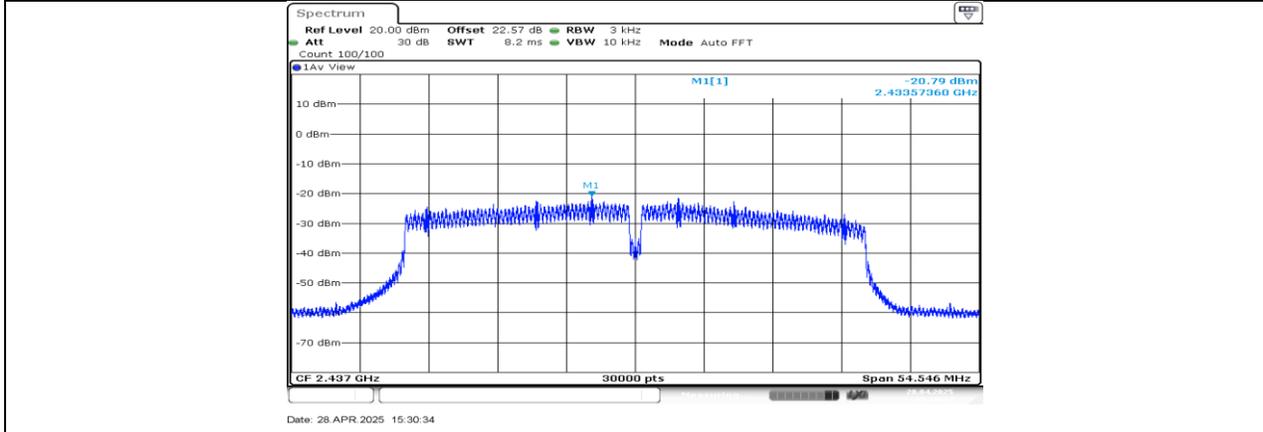
11N20MIMO_Ant3_2462



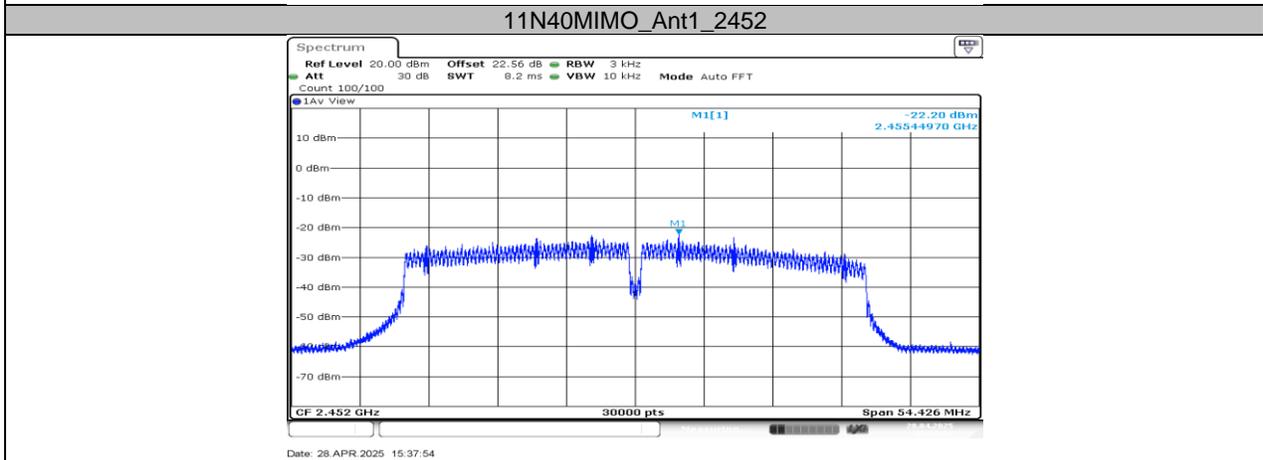
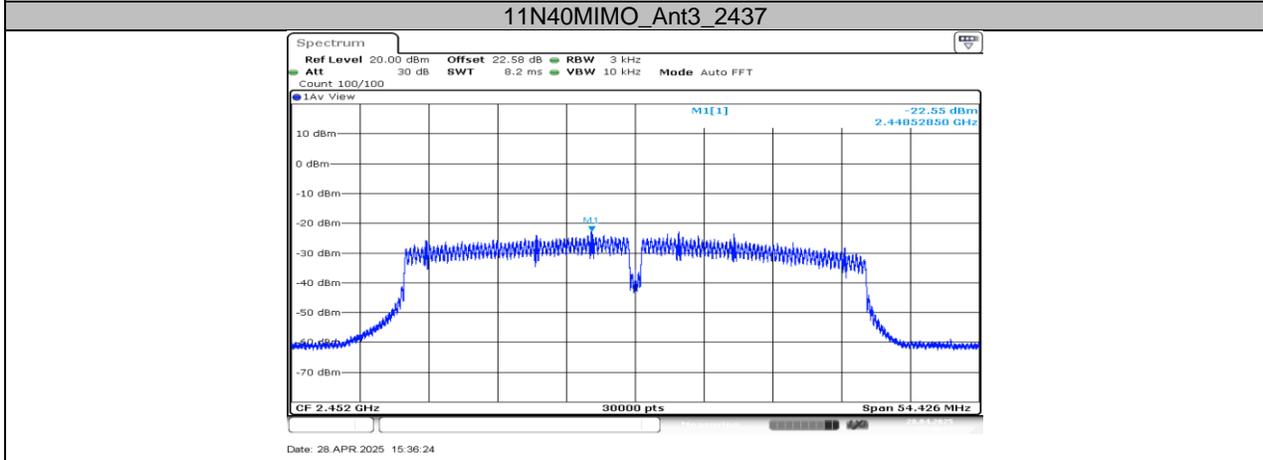
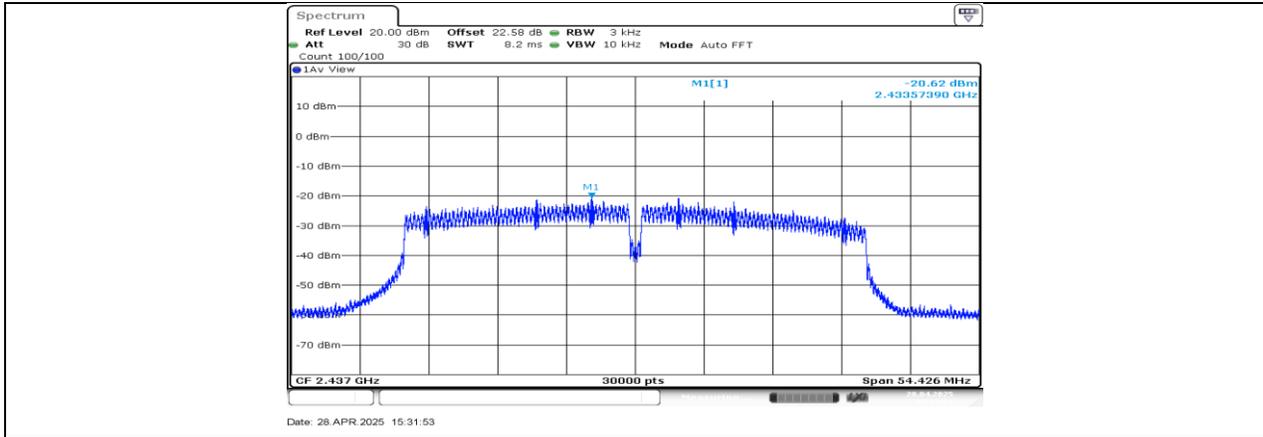
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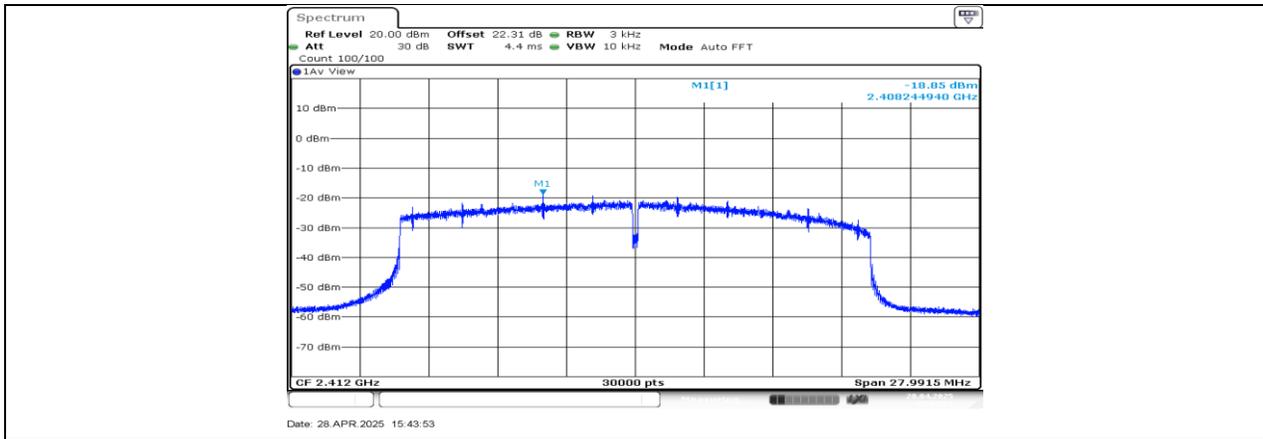


11N40MIMO_Ant3_2422

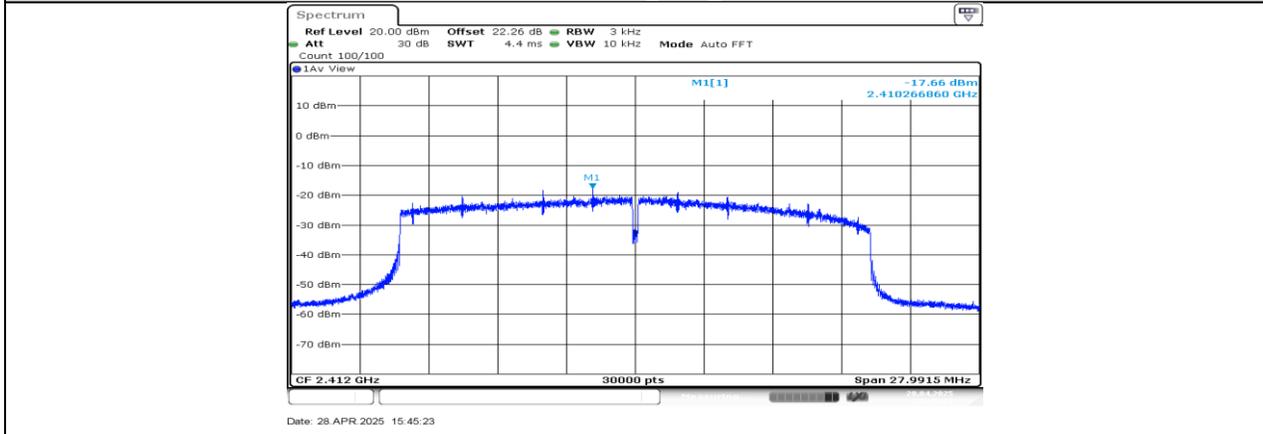


11N40MIMO_Ant1_2437

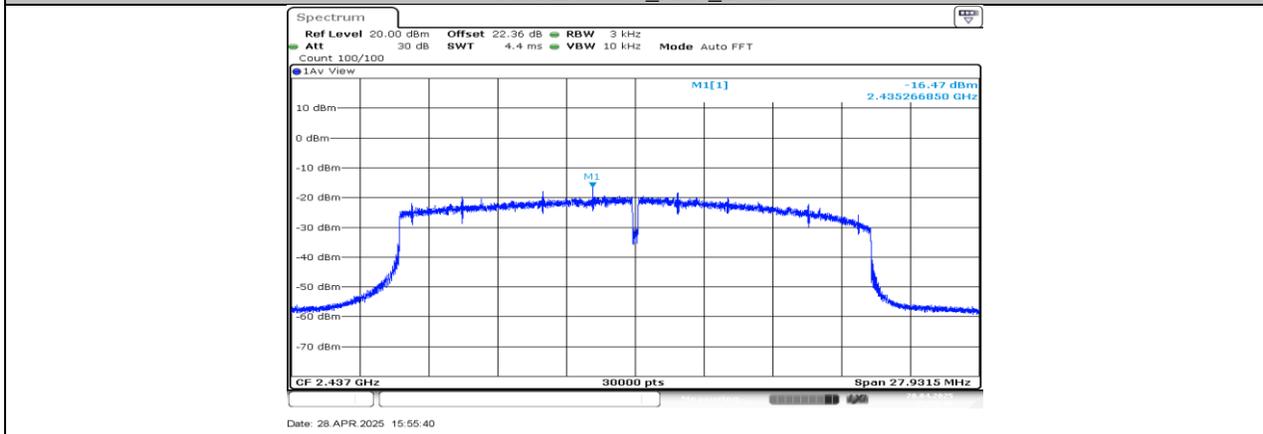




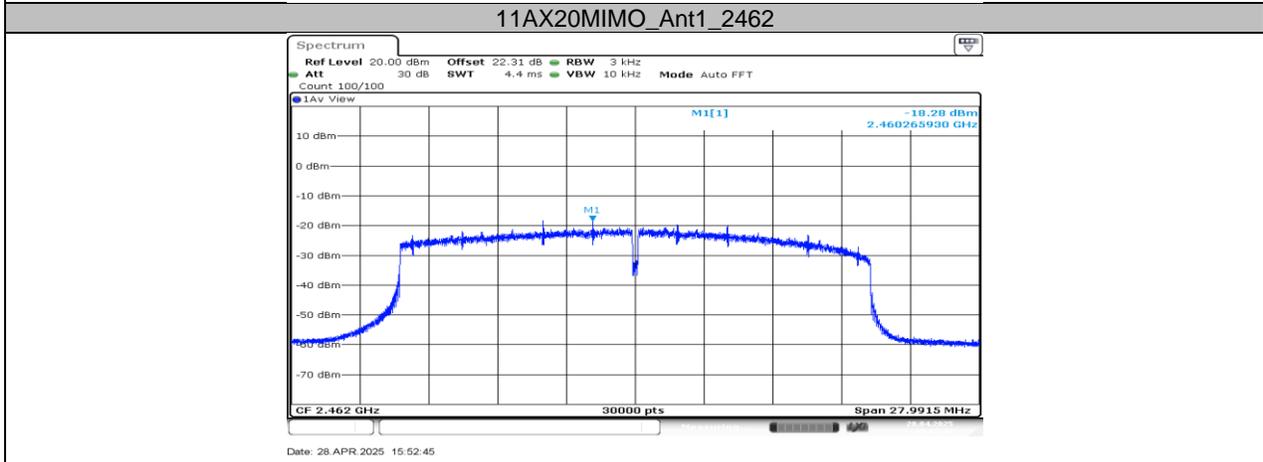
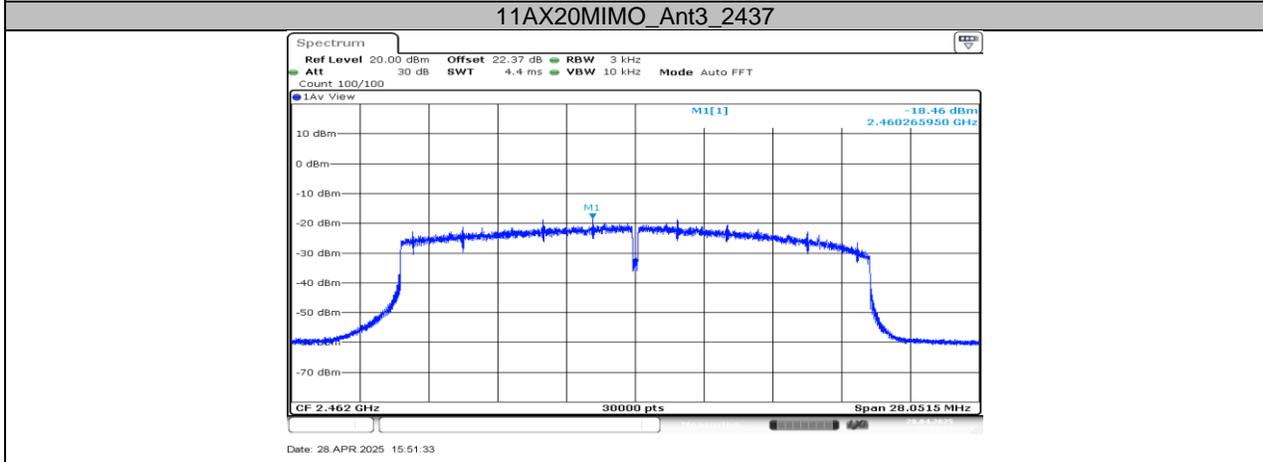
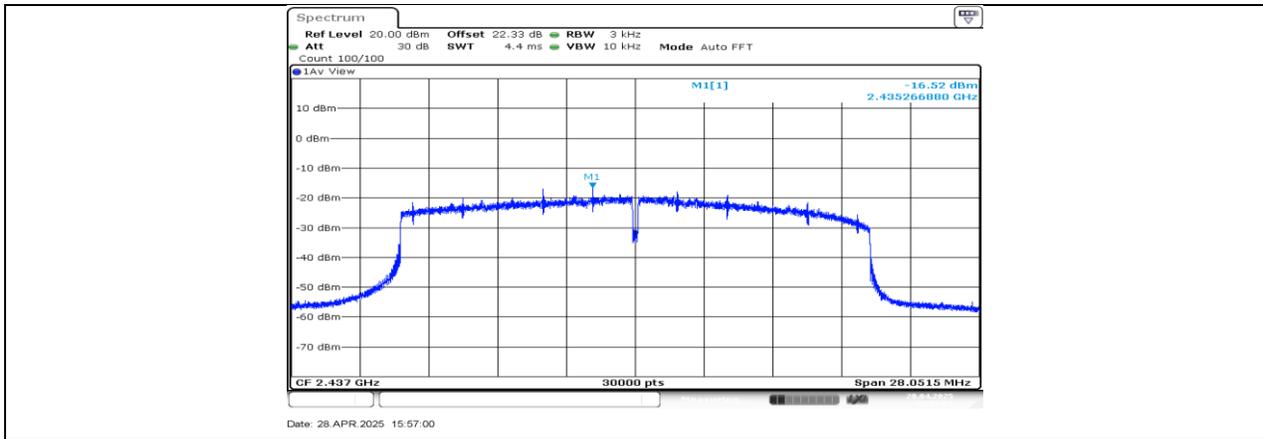
11AX20MIMO_Ant1_2412



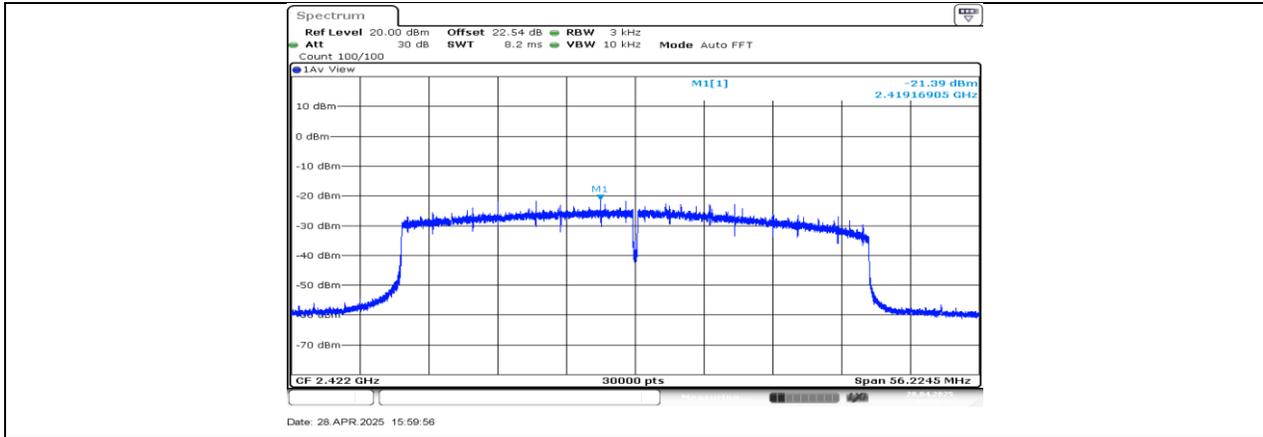
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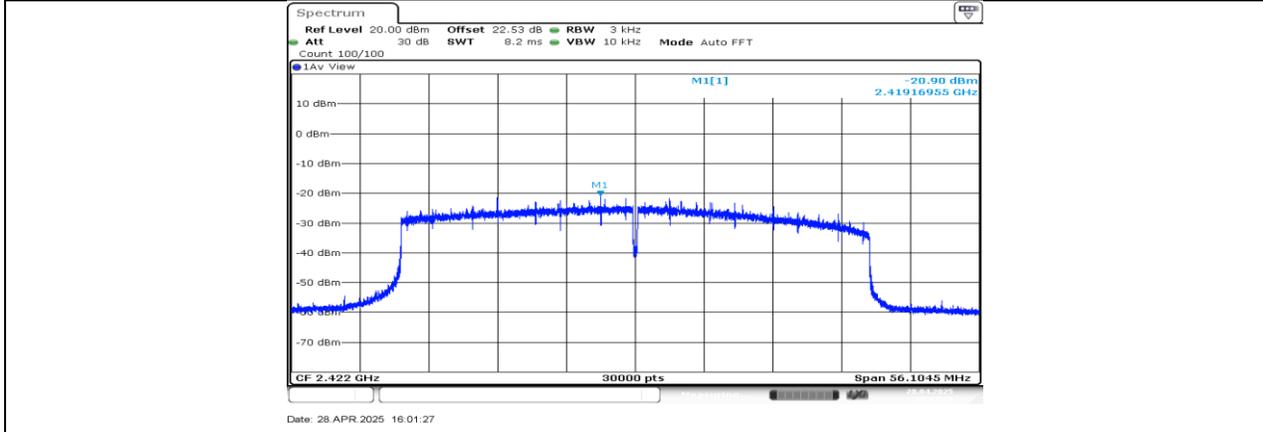
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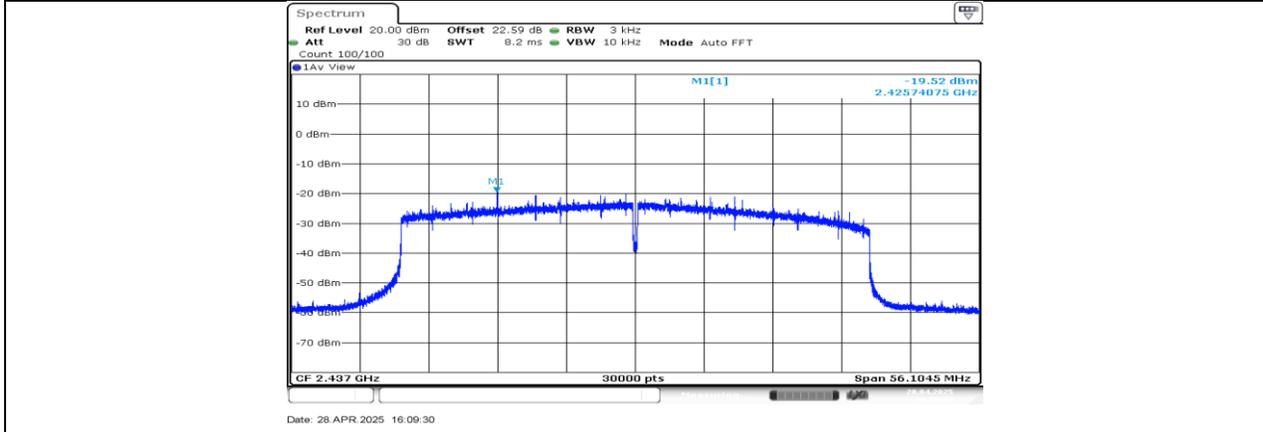
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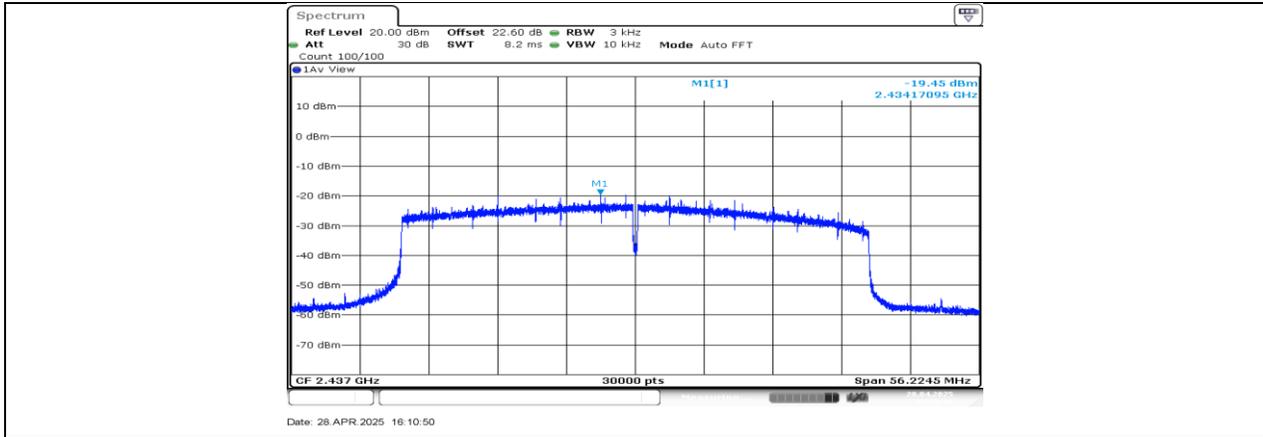
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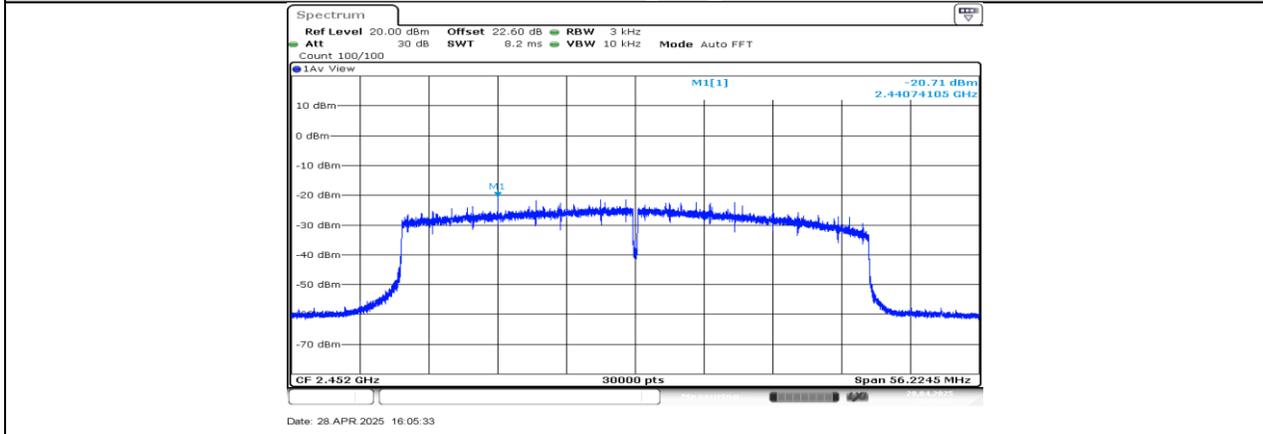
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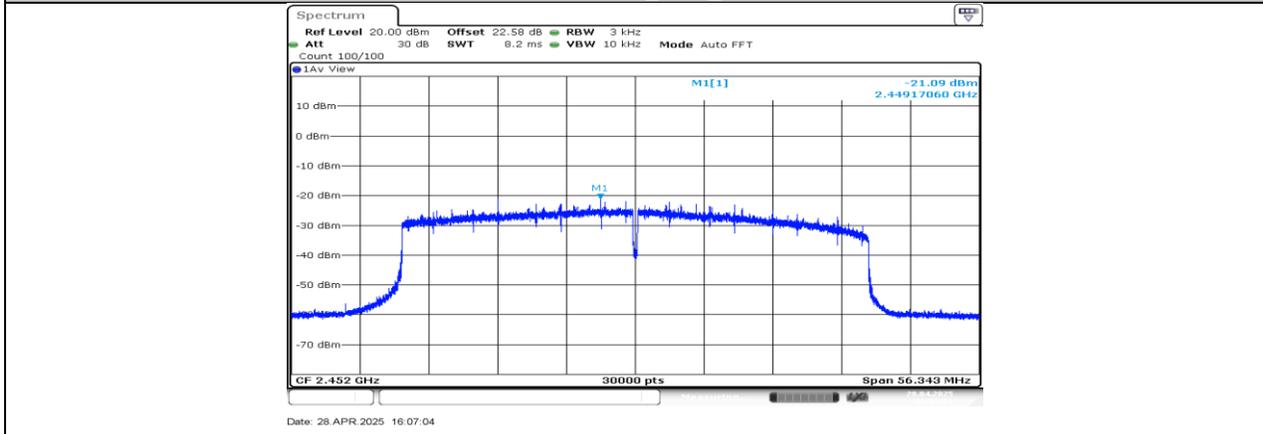
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11AX40MIMO_Ant3_2437



11AX40MIMO_Ant1_2452



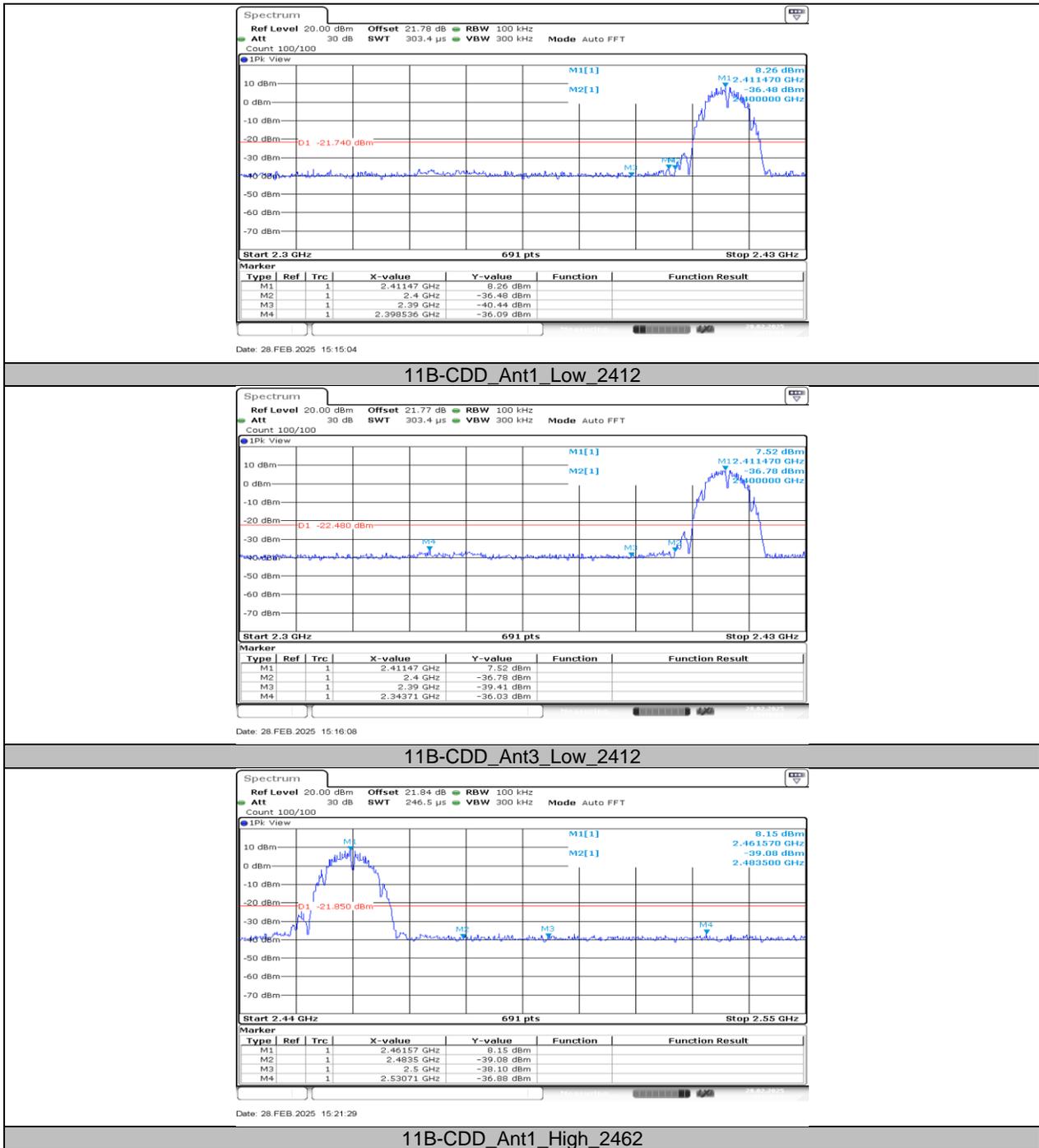
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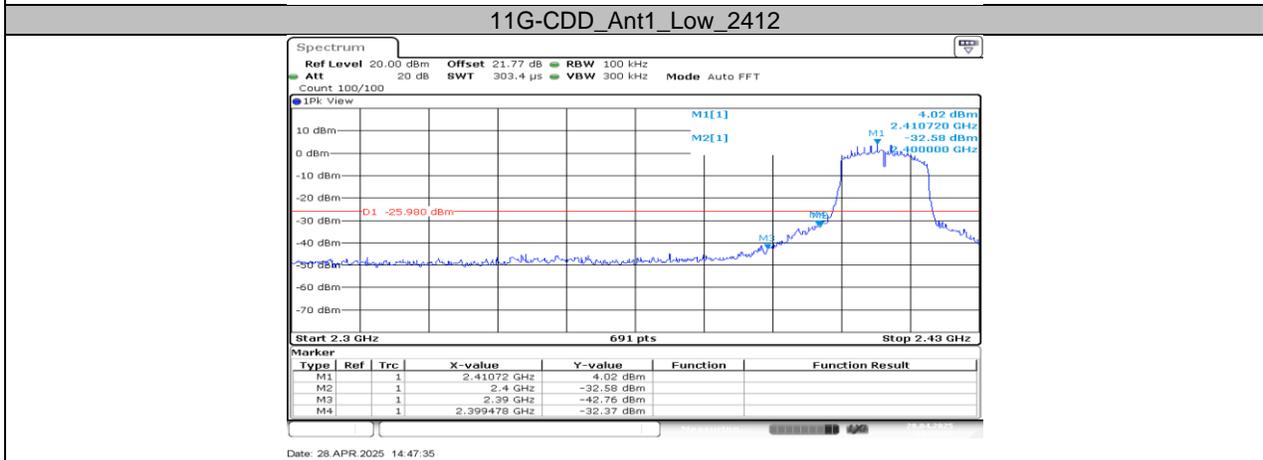
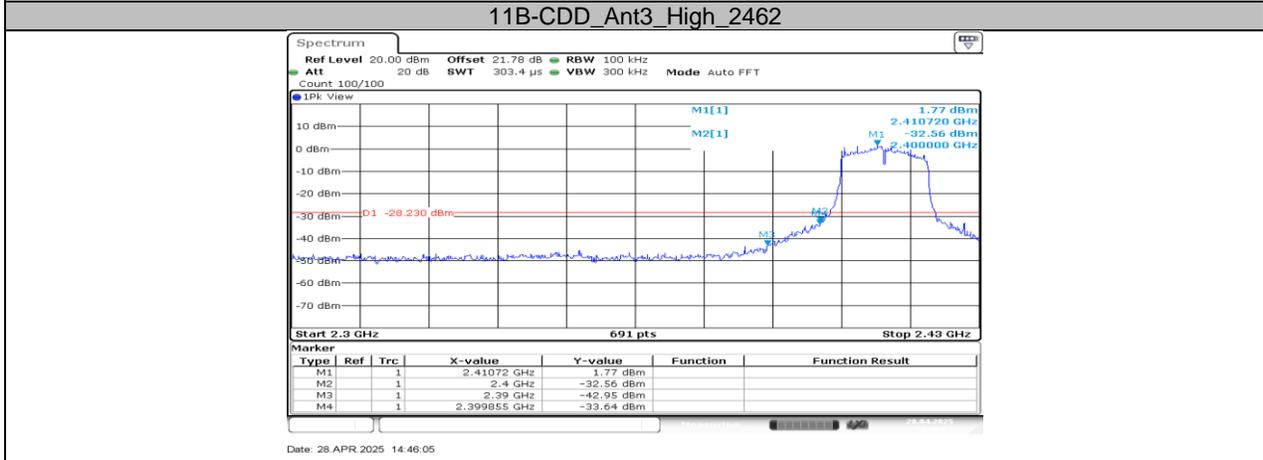
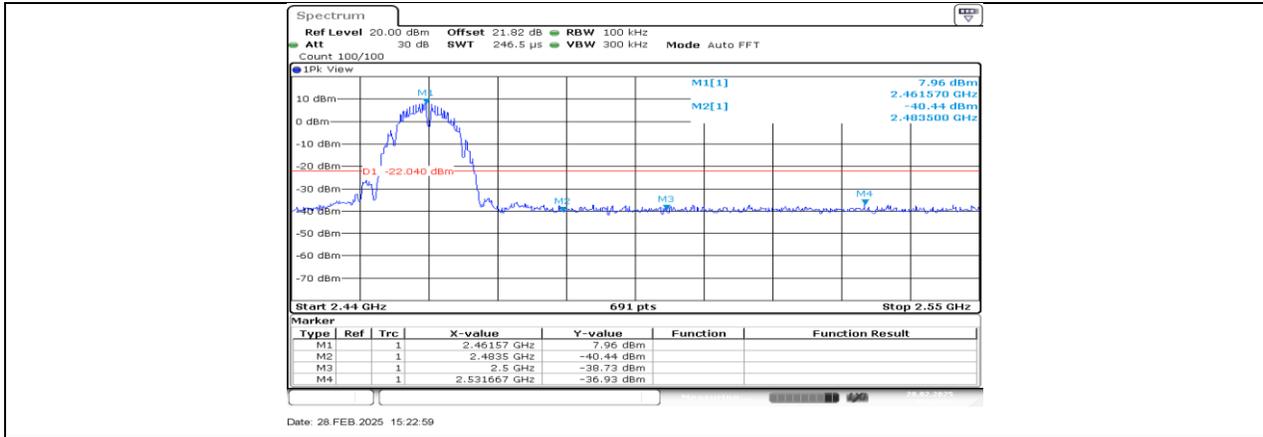
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

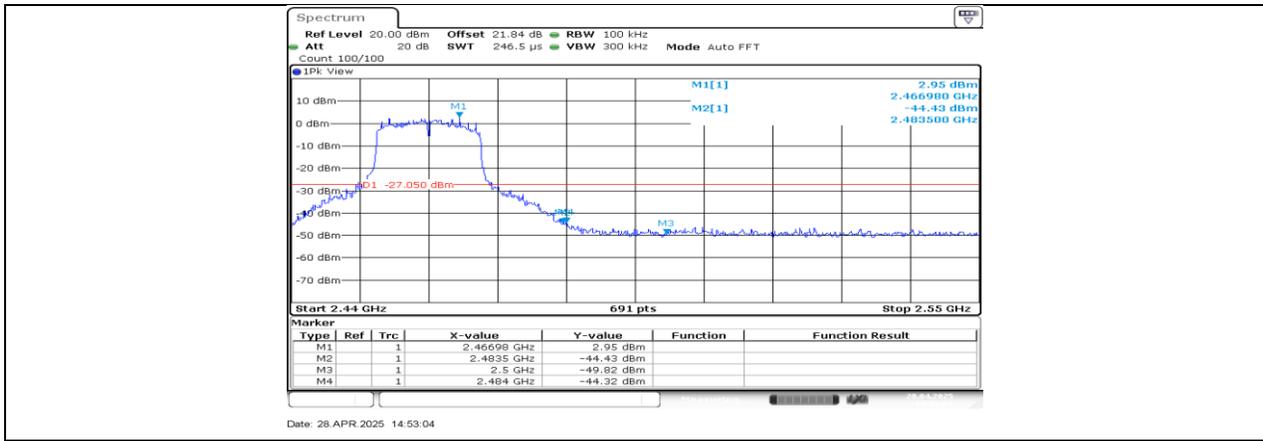
11.5.1. Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	Low	2412	8.26	-36.09	≤-21.74	PASS
	Ant3	Low	2412	7.52	-36.03	≤-22.48	PASS
	Ant1	High	2462	8.15	-36.88	≤-21.85	PASS
	Ant3	High	2462	7.96	-36.93	≤-22.04	PASS
11G-CDD	Ant1	Low	2412	1.77	-33.64	≤-28.23	PASS
	Ant3	Low	2412	4.02	-32.37	≤-25.98	PASS
	Ant1	High	2462	2.95	-44.32	≤-27.05	PASS
	Ant3	High	2462	2.10	-44.79	≤-27.9	PASS
11N20MIMO	Ant1	Low	2412	-0.43	-32.83	≤-30.43	PASS
	Ant3	Low	2412	0.28	-33.16	≤-29.72	PASS
	Ant1	High	2462	4.04	-43.27	≤-25.96	PASS
	Ant3	High	2462	2.68	-44.01	≤-27.32	PASS
11N40MIMO	Ant1	Low	2422	-1.12	-33.45	≤-31.12	PASS
	Ant3	Low	2422	-0.62	-33.95	≤-30.62	PASS
	Ant1	High	2452	-1.31	-40.99	≤-31.31	PASS
	Ant3	High	2452	-1.46	-41.81	≤-31.46	PASS
11AX20MIMO	Ant1	Low	2412	3.48	-33.69	≤-26.52	PASS
	Ant3	Low	2412	3.19	-30.78	≤-26.81	PASS
	Ant1	High	2462	2.55	-43.38	≤-27.45	PASS
	Ant3	High	2462	3.65	-42.81	≤-26.35	PASS
11AX40MIMO	Ant1	Low	2422	-0.77	-32.6	≤-30.77	PASS
	Ant3	Low	2422	0.76	-32.26	≤-29.24	PASS
	Ant1	High	2452	0.46	-38.86	≤-29.54	PASS
	Ant3	High	2452	-0.09	-38.78	≤-30.09	PASS

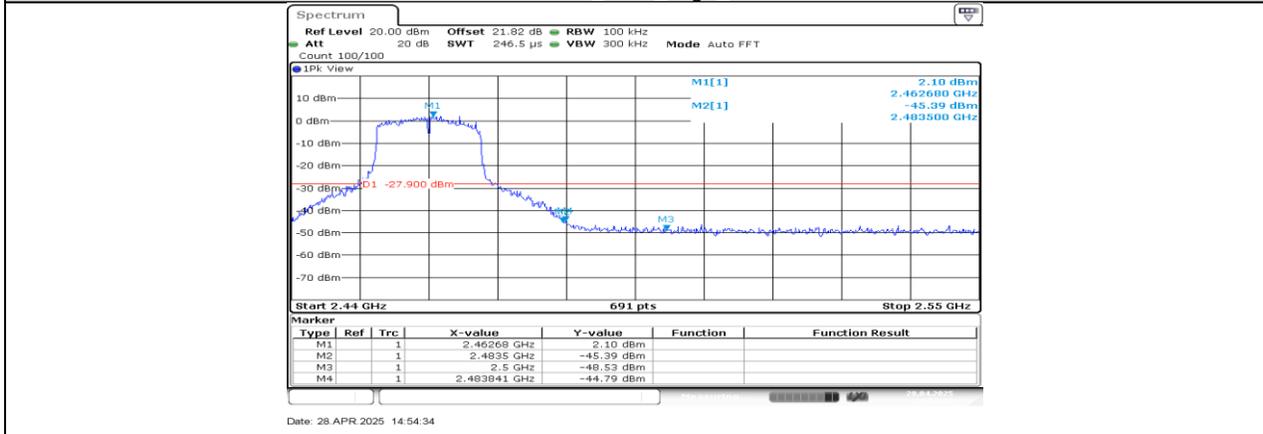
11.5.2. Test Graphs



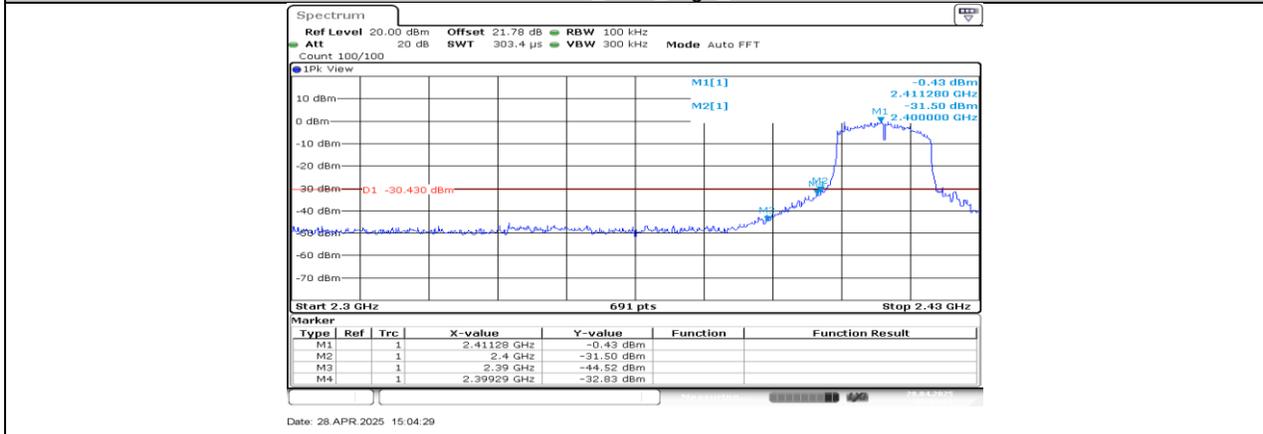




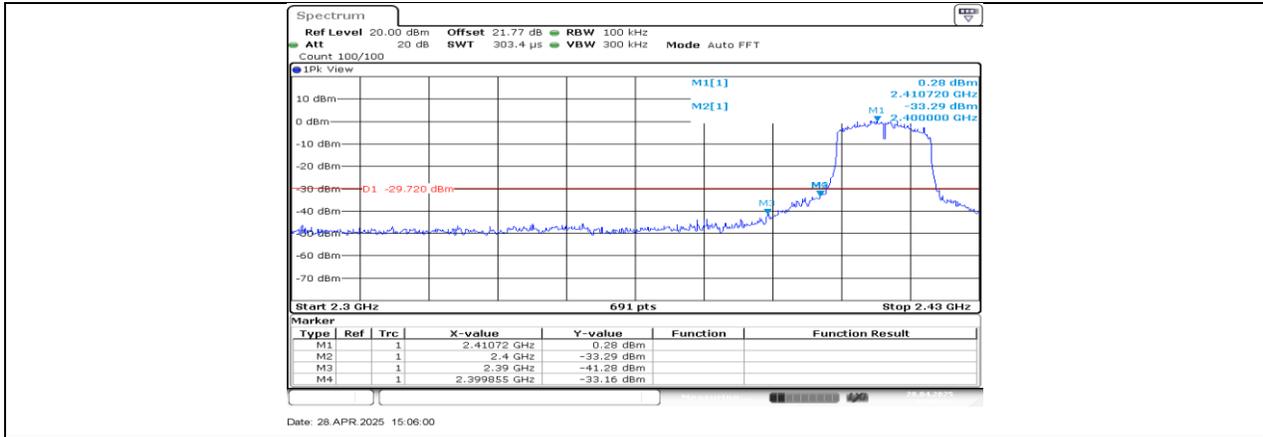
11G-CDD_Ant1_High_2462



11G-CDD_Ant3_High_2462



11N20MIMO_Ant1_Low_2412



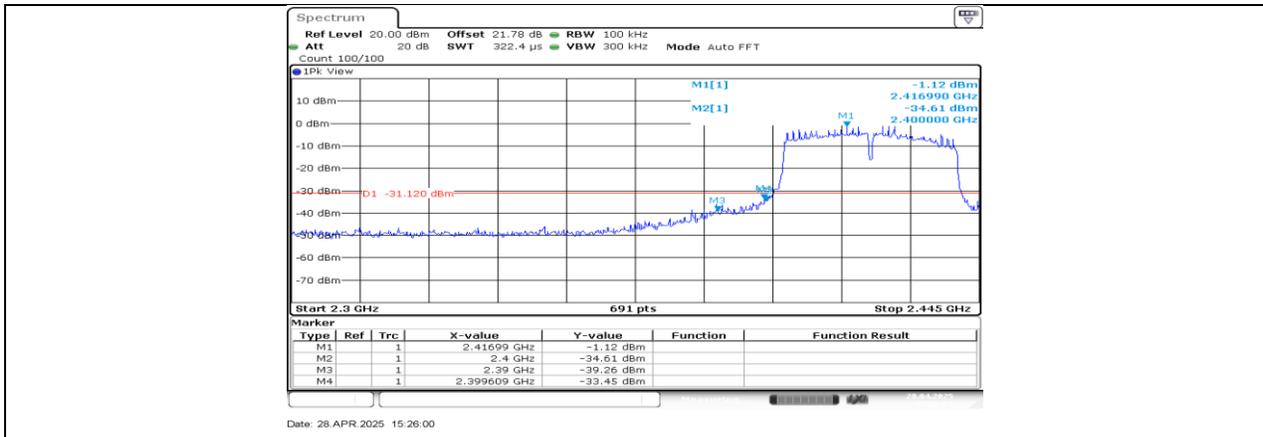
11N20MIMO_Ant3_Low_2412



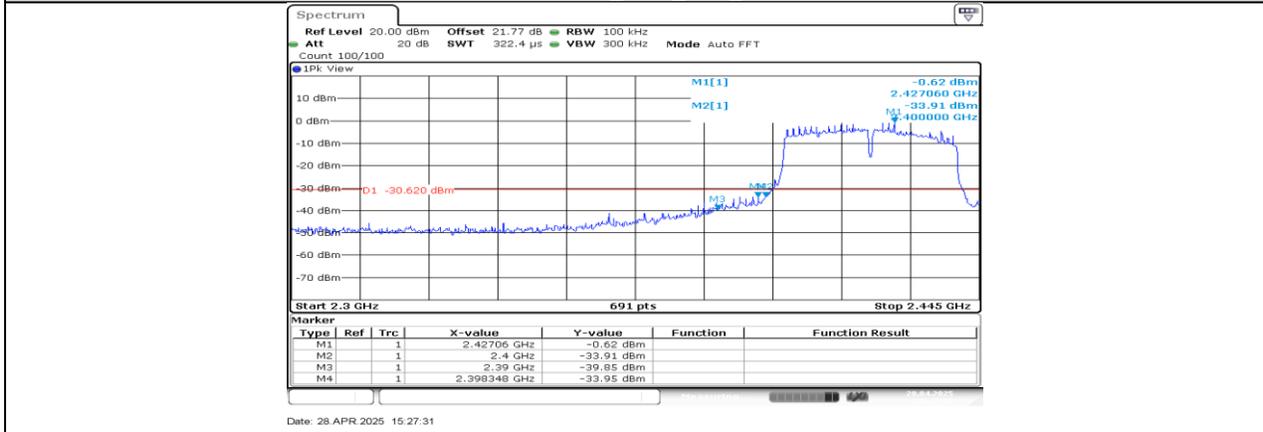
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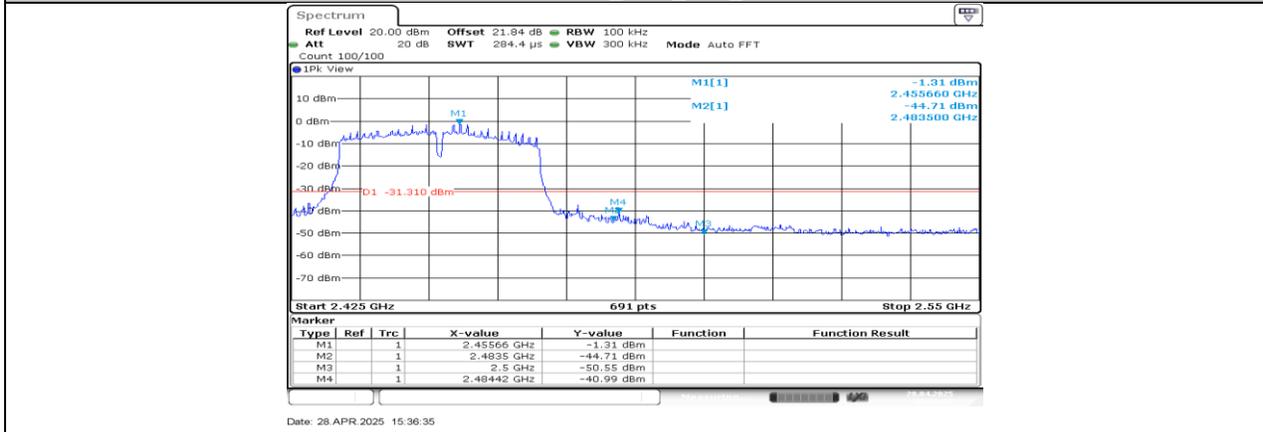
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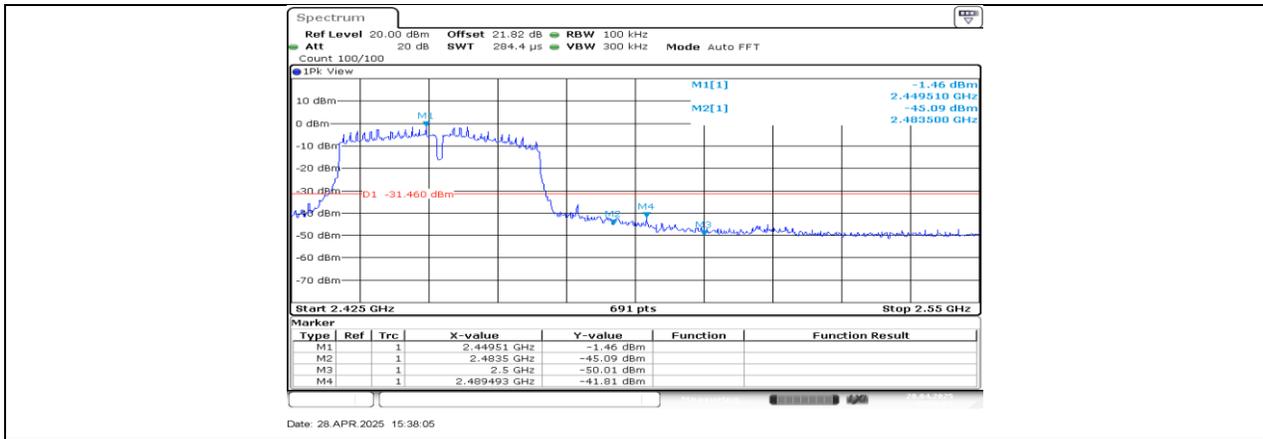
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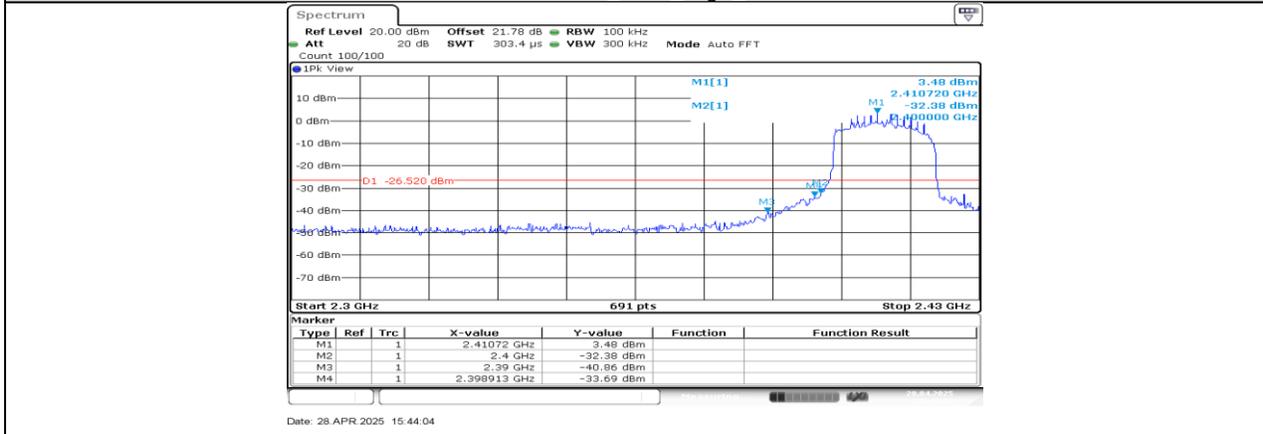
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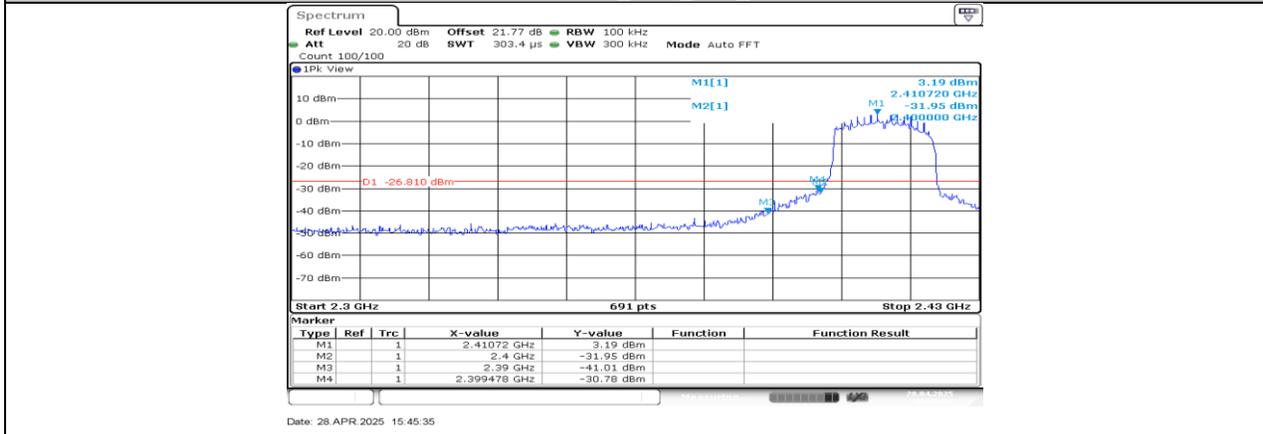
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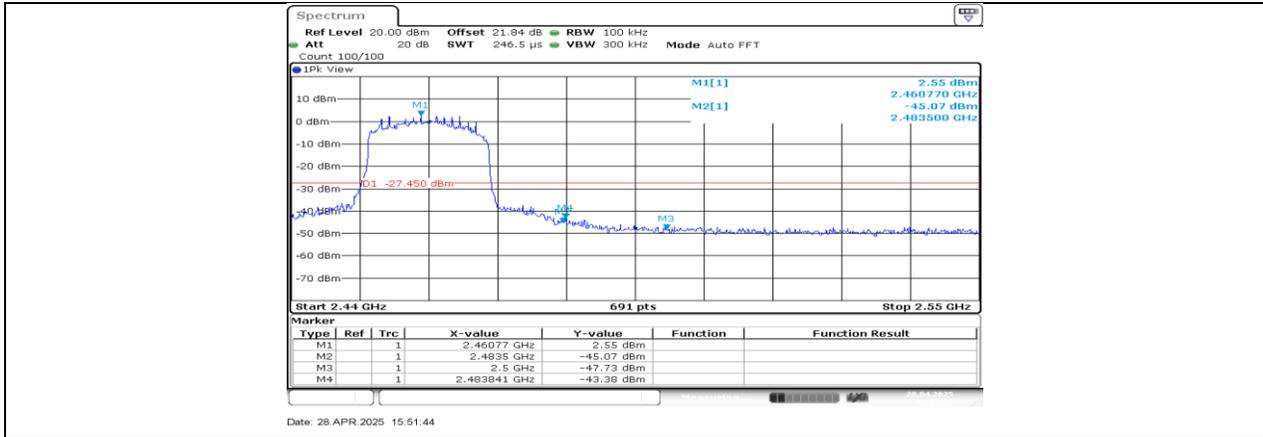
11N40MIMO_Ant3_High_2452



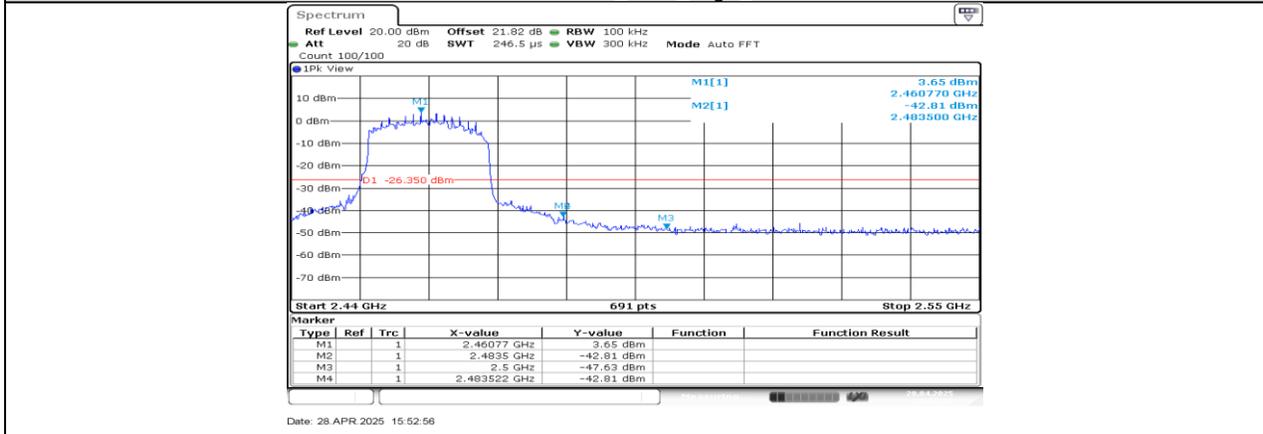
11AX20MIMO_Ant1_Low_2412



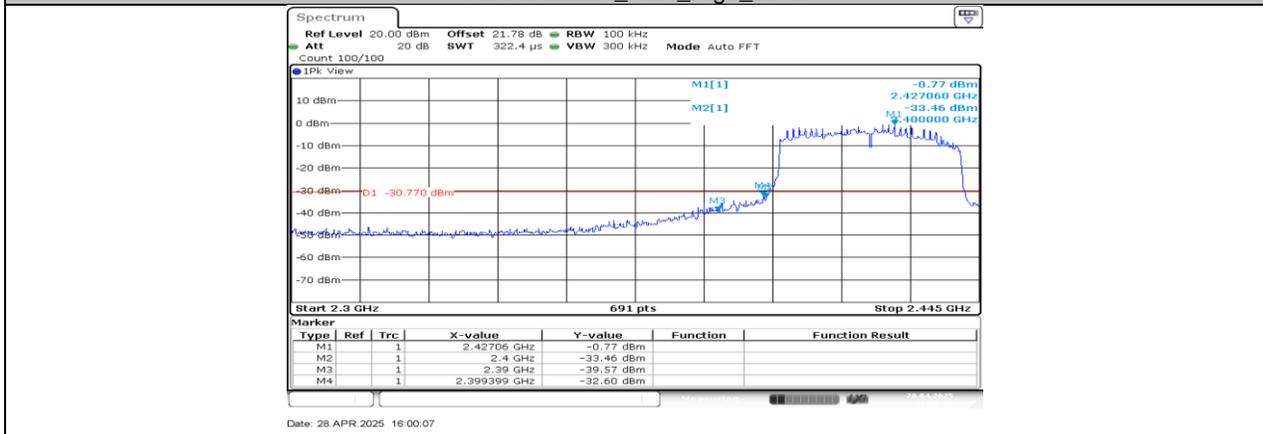
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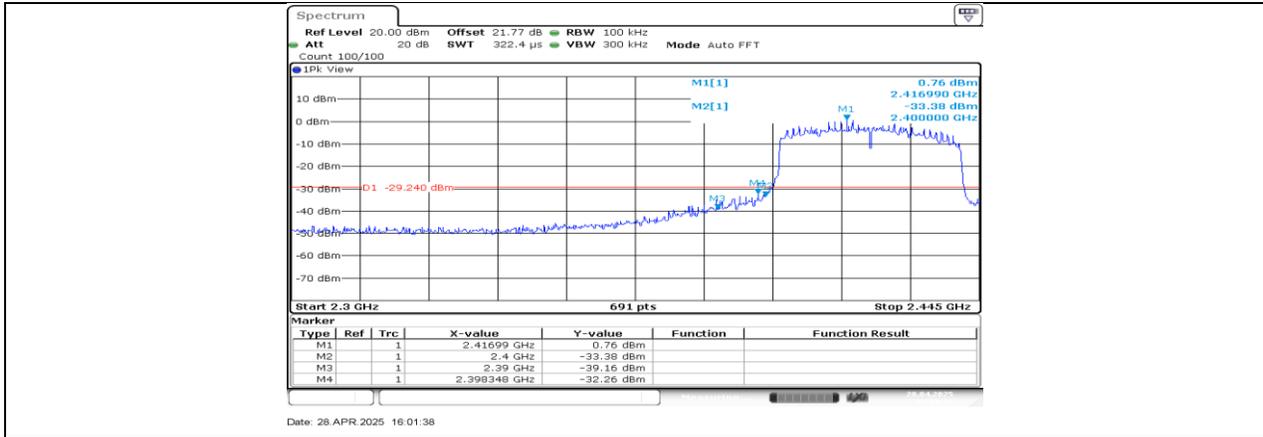
11AX20MIMO_Ant1_High_2462



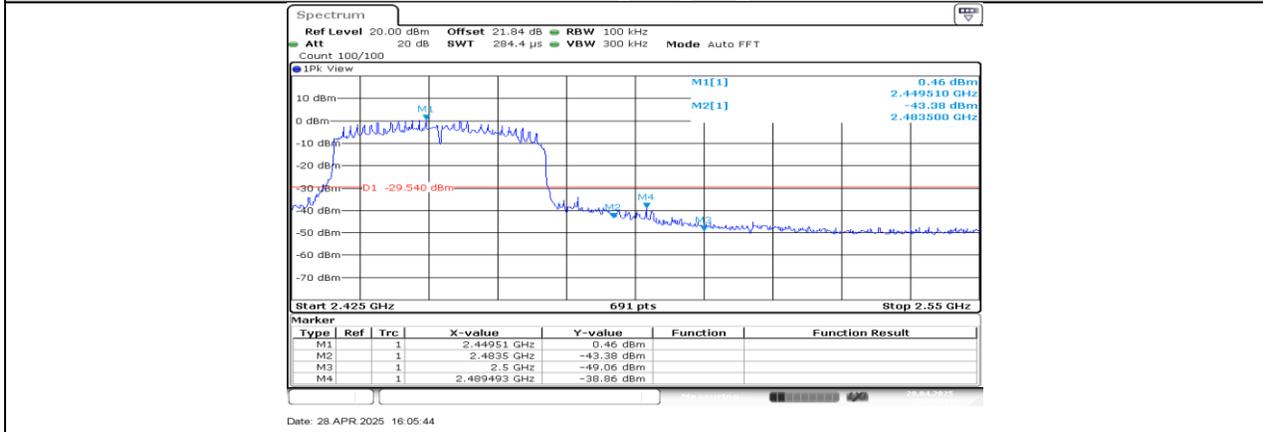
11AX20MIMO_Ant3_High_2462



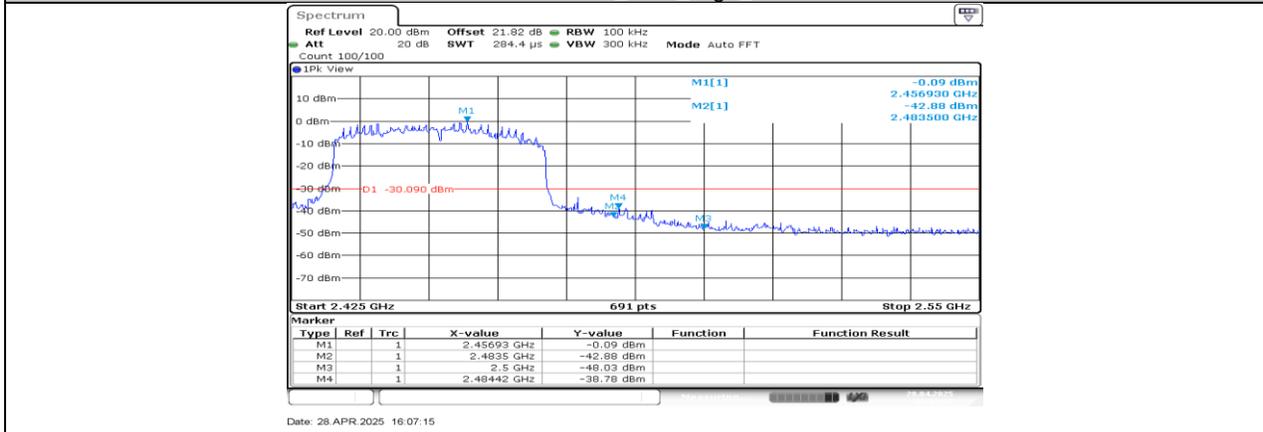
11AX40MIMO_Ant1_Low_2422



11AX40MIMO_Ant3_Low_2422



11AX40MIMO_Ant1_High_2452



11AX40MIMO_Ant3_High_2452

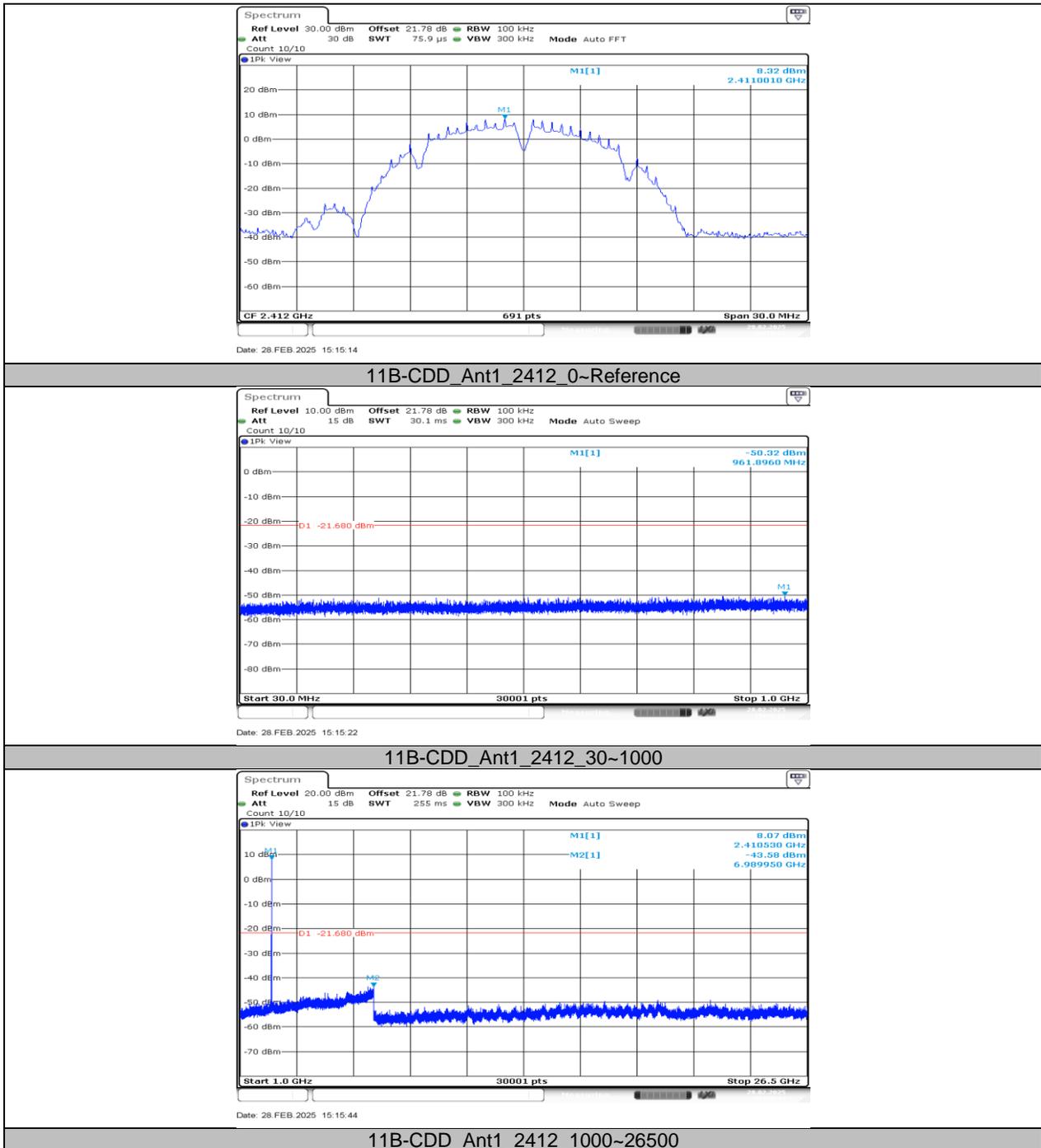
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

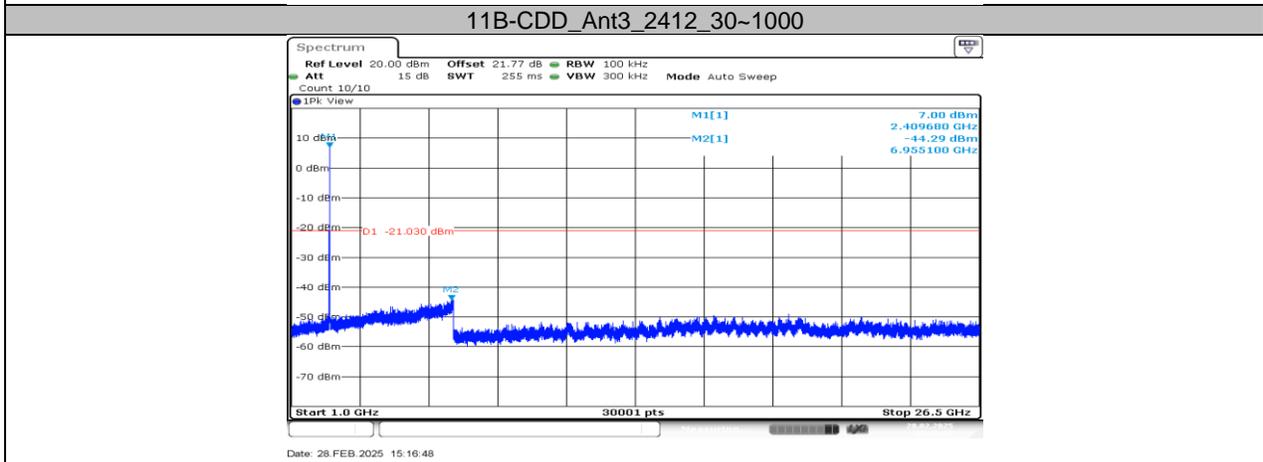
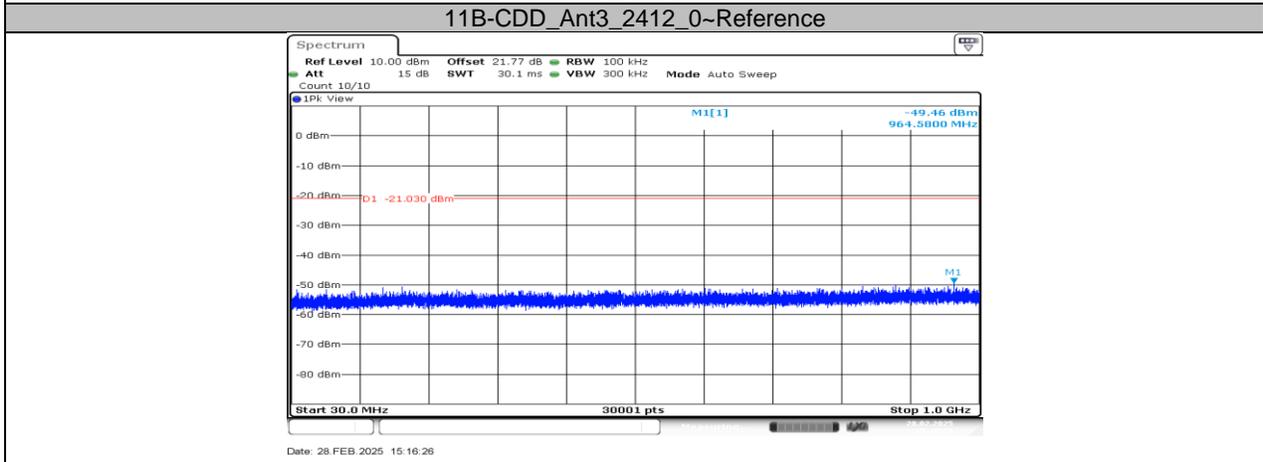
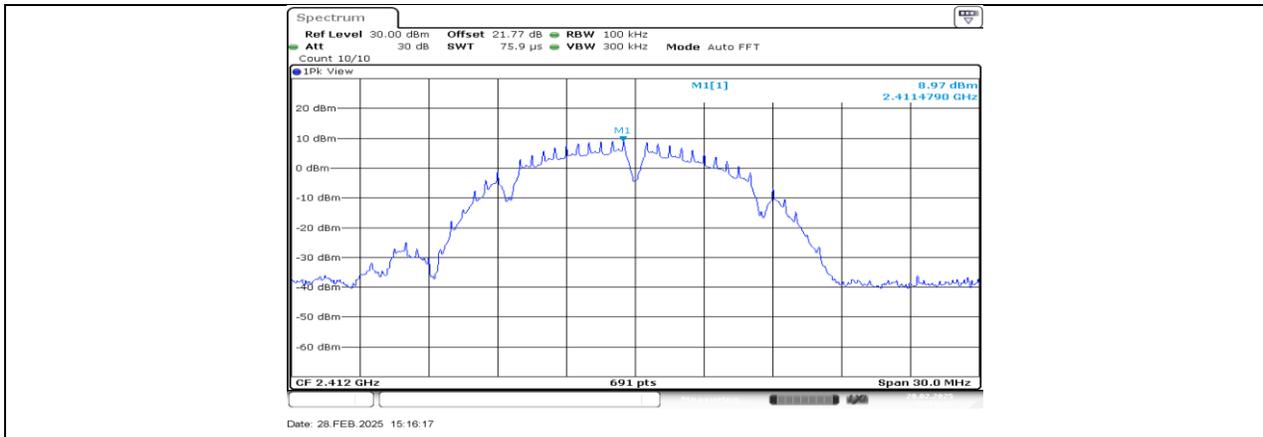
11.6.1. Test Result

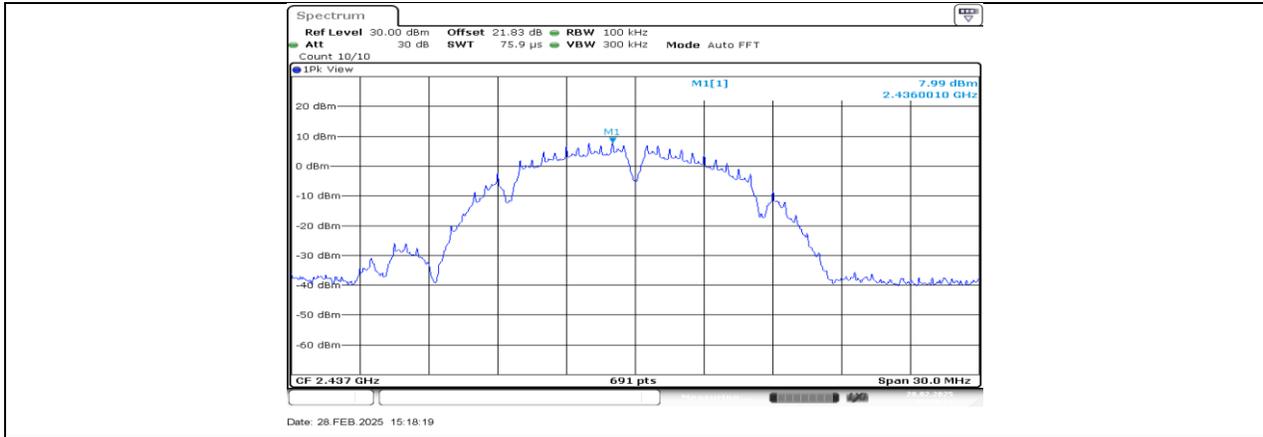
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant1	2412	Reference	8.32	---	PASS
			30~1000	-50.32	≤-21.68	PASS
			1000~26500	-43.58	≤-21.68	PASS
	Ant3	2412	Reference	8.97	---	PASS
			30~1000	-49.46	≤-21.03	PASS
			1000~26500	-44.29	≤-21.03	PASS
	Ant1	2437	Reference	7.99	---	PASS
			30~1000	-49.87	≤-22.01	PASS
			1000~26500	-43.11	≤-22.01	PASS
	Ant3	2437	Reference	8.96	---	PASS
			30~1000	-49.84	≤-21.04	PASS
			1000~26500	-44.38	≤-21.04	PASS
	Ant1	2462	Reference	8.00	---	PASS
			30~1000	-49.83	≤-22	PASS
			1000~26500	-43.96	≤-22	PASS
	Ant3	2462	Reference	8.05	---	PASS
			30~1000	-49.4	≤-21.95	PASS
			1000~26500	-43.95	≤-21.95	PASS
11G-CDD	Ant1	2412	Reference	3.66	---	PASS
			30~1000	-45.72	≤-26.34	PASS
			1000~26500	-40.74	≤-26.34	PASS
	Ant3	2412	Reference	4.19	---	PASS
			30~1000	-45.98	≤-25.81	PASS
			1000~26500	-40.4	≤-25.81	PASS
	Ant1	2437	Reference	4.33	---	PASS
			30~1000	-45.87	≤-25.67	PASS
			1000~26500	-40.63	≤-25.67	PASS
	Ant3	2437	Reference	5.02	---	PASS
			30~1000	-45.44	≤-24.98	PASS
			1000~26500	-40.34	≤-24.98	PASS
	Ant1	2462	Reference	4.58	---	PASS
			30~1000	-46.23	≤-25.42	PASS
			1000~26500	-40.45	≤-25.42	PASS
	Ant3	2462	Reference	4.51	---	PASS
			30~1000	-45.37	≤-25.49	PASS
			1000~26500	-40.34	≤-25.49	PASS
11N20MIMO	Ant1	2412	Reference	2.09	---	PASS
			30~1000	-45.85	≤-27.91	PASS
			1000~26500	-40.61	≤-27.91	PASS
	Ant3	2412	Reference	3.06	---	PASS
			30~1000	-44.97	≤-26.94	PASS
			1000~26500	-39.86	≤-26.94	PASS
	Ant1	2437	Reference	3.67	---	PASS
			30~1000	-45.61	≤-26.33	PASS
			1000~26500	-39.51	≤-26.33	PASS
	Ant3	2437	Reference	3.78	---	PASS
			30~1000	-45.73	≤-26.22	PASS
			1000~26500	-40.32	≤-26.22	PASS
	Ant1	2462	Reference	3.71	---	PASS
			30~1000	-45.43	≤-26.29	PASS
			1000~26500	-40.4	≤-26.29	PASS
	Ant3	2462	Reference	3.54	---	PASS
			30~1000	-45.09	≤-26.46	PASS
			1000~26500	-40.67	≤-26.46	PASS
11N40MIMO	Ant1	2422	Reference	-0.65	---	PASS

	Ant3	2422	30~1000	-45.31	≤-30.65	PASS
			1000~26500	-40.92	≤-30.65	PASS
			Reference	-0.09	---	PASS
	Ant1	2437	30~1000	-45.77	≤-30.09	PASS
			1000~26500	-40.22	≤-30.09	PASS
			Reference	0.05	---	PASS
	Ant3	2437	30~1000	-45.88	≤-29.95	PASS
			1000~26500	-40.31	≤-29.95	PASS
			Reference	0.74	---	PASS
	Ant1	2452	30~1000	-45.81	≤-29.26	PASS
			1000~26500	-40.22	≤-29.26	PASS
			Reference	-0.81	---	PASS
Ant3	2452	30~1000	-45.62	≤-30.81	PASS	
		1000~26500	-39.43	≤-30.81	PASS	
		Reference	-1.19	---	PASS	
11AX20MIMO	Ant1	2412	30~1000	-46.26	≤-31.19	PASS
			1000~26500	-39.96	≤-31.19	PASS
			Reference	3.37	---	PASS
	Ant3	2412	30~1000	-46.09	≤-26.63	PASS
			1000~26500	-40.58	≤-26.63	PASS
			Reference	3.50	---	PASS
	Ant1	2437	30~1000	-45.77	≤-26.5	PASS
			1000~26500	-40.57	≤-26.5	PASS
			Reference	4.67	---	PASS
	Ant3	2437	30~1000	-45.44	≤-25.33	PASS
			1000~26500	-39.79	≤-25.33	PASS
			Reference	5.11	---	PASS
Ant1	2462	30~1000	-46.1	≤-24.89	PASS	
		1000~26500	-40.85	≤-24.89	PASS	
		Reference	4.09	---	PASS	
Ant3	2462	30~1000	-45.21	≤-25.91	PASS	
		1000~26500	-39.55	≤-25.91	PASS	
		Reference	3.66	---	PASS	
11AX40MIMO	Ant1	2422	30~1000	-44.64	≤-26.34	PASS
			1000~26500	-40.86	≤-26.34	PASS
			Reference	0.33	---	PASS
	Ant3	2422	30~1000	-45.31	≤-29.67	PASS
			1000~26500	-40.1	≤-29.67	PASS
			Reference	0.97	---	PASS
	Ant1	2437	30~1000	-45.33	≤-29.03	PASS
			1000~26500	-40	≤-29.03	PASS
			Reference	2.24	---	PASS
	Ant3	2437	30~1000	-45.24	≤-27.76	PASS
			1000~26500	-40.66	≤-27.76	PASS
			Reference	2.50	---	PASS
Ant1	2452	30~1000	-45.06	≤-27.5	PASS	
		1000~26500	-40.08	≤-27.5	PASS	
		Reference	0.86	---	PASS	
Ant3	2452	30~1000	-45.73	≤-29.14	PASS	
		1000~26500	-40.36	≤-29.14	PASS	
		Reference	0.68	---	PASS	
	Ant3	2452	30~1000	-45.77	≤-29.32	PASS
			1000~26500	-40.13	≤-29.32	PASS

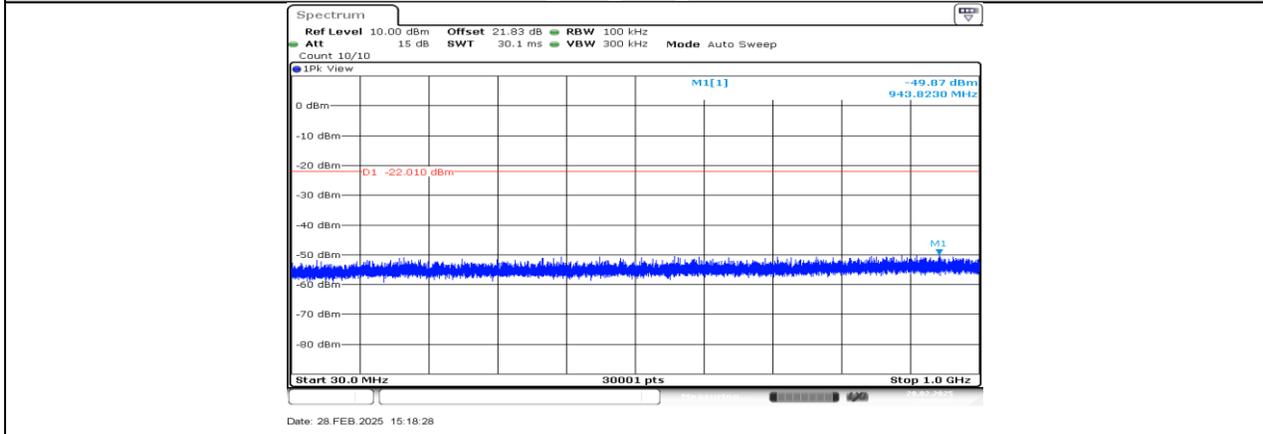
11.6.2. Test Graphs



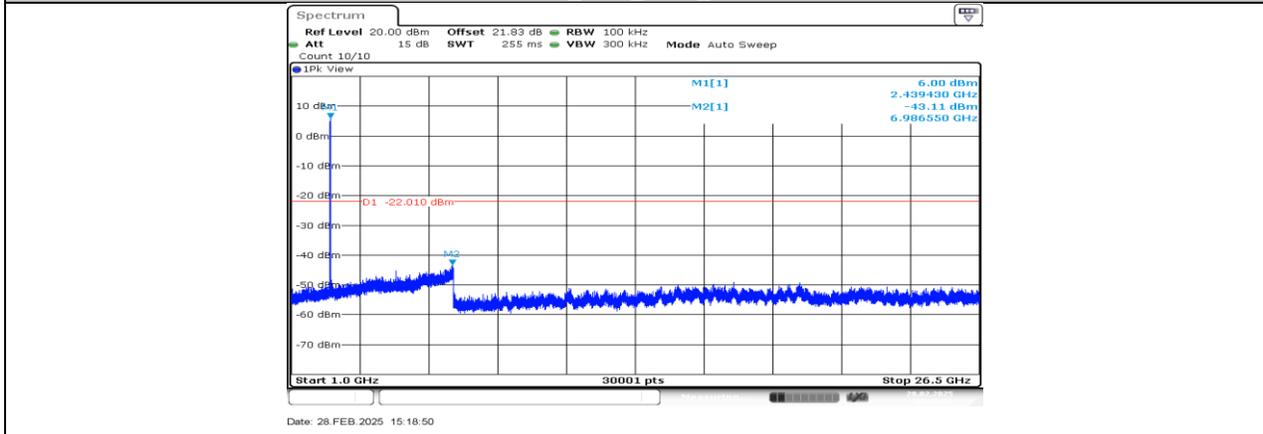




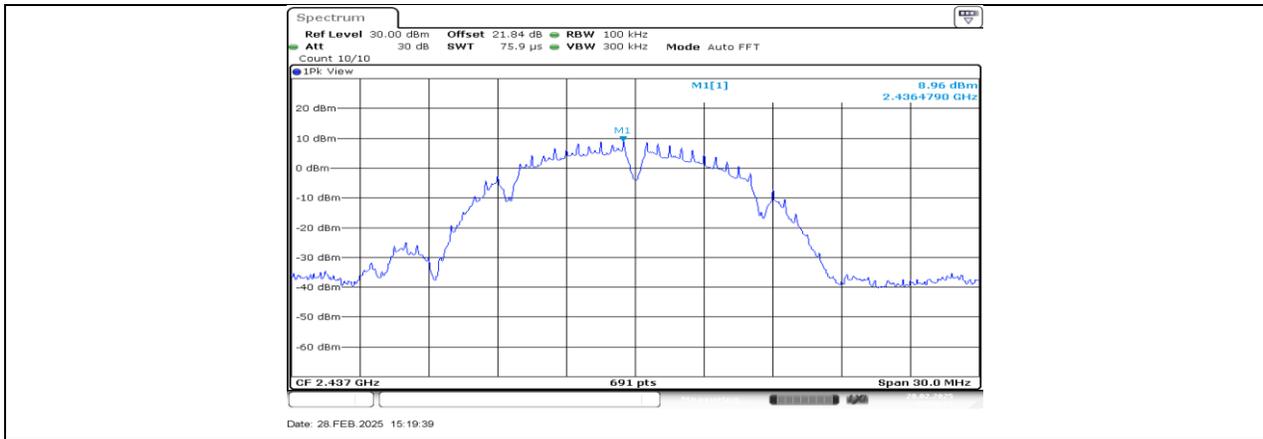
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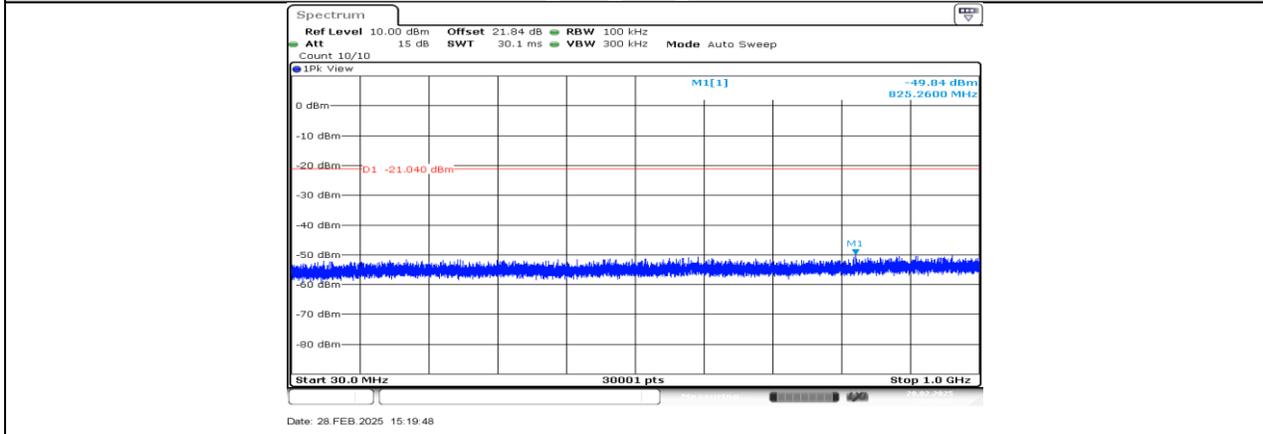
11B-CDD_Ant1_2437_30~1000



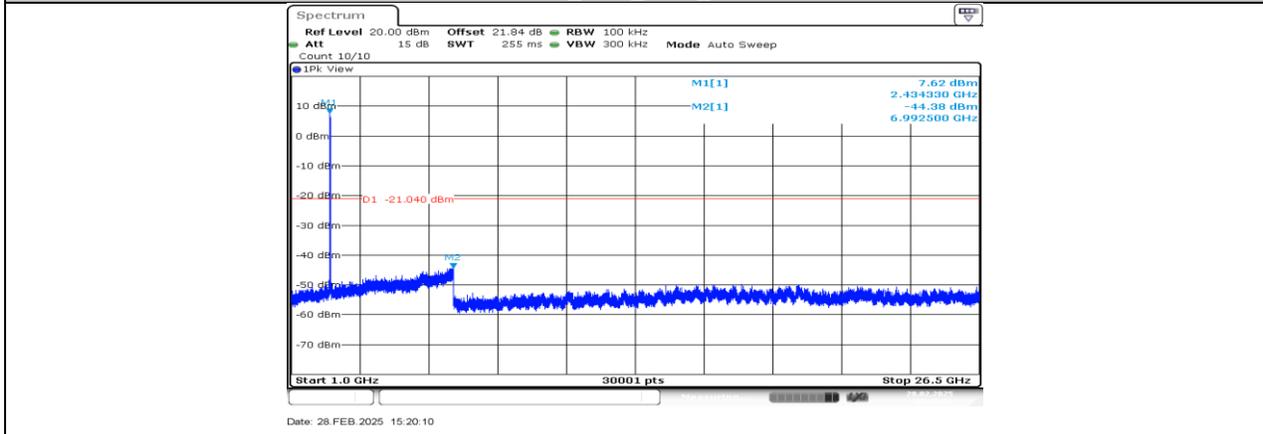
11B-CDD_Ant1_2437_1000~26500



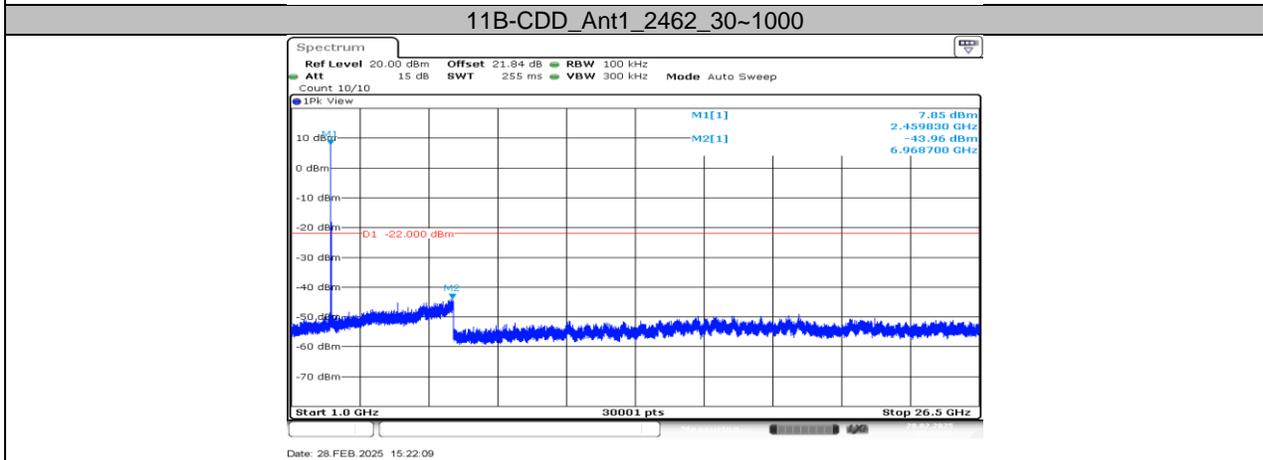
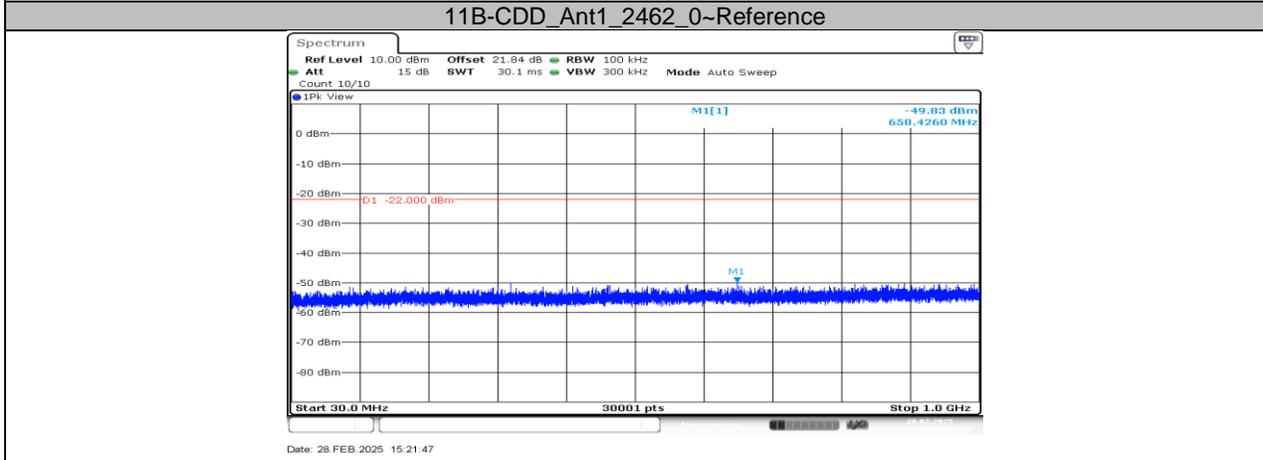
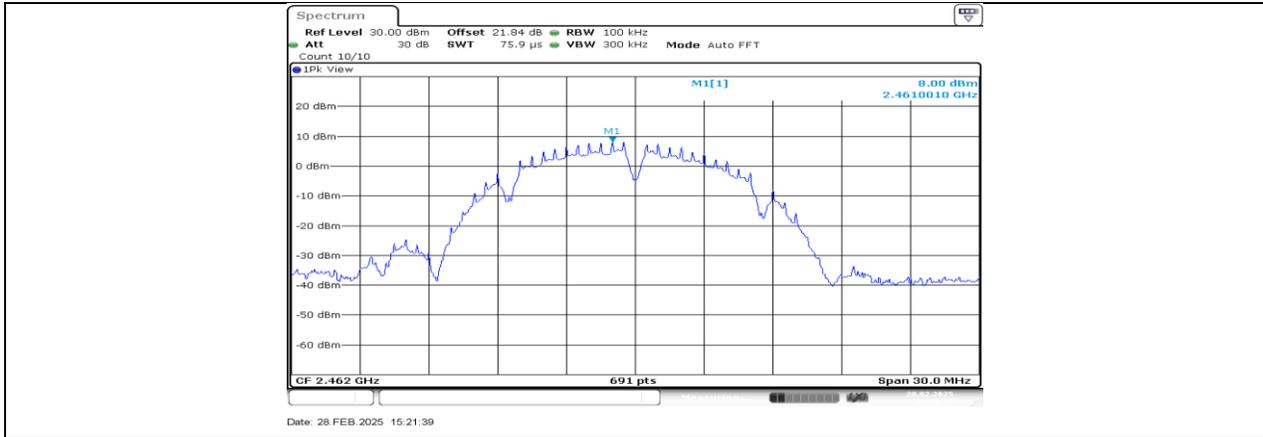
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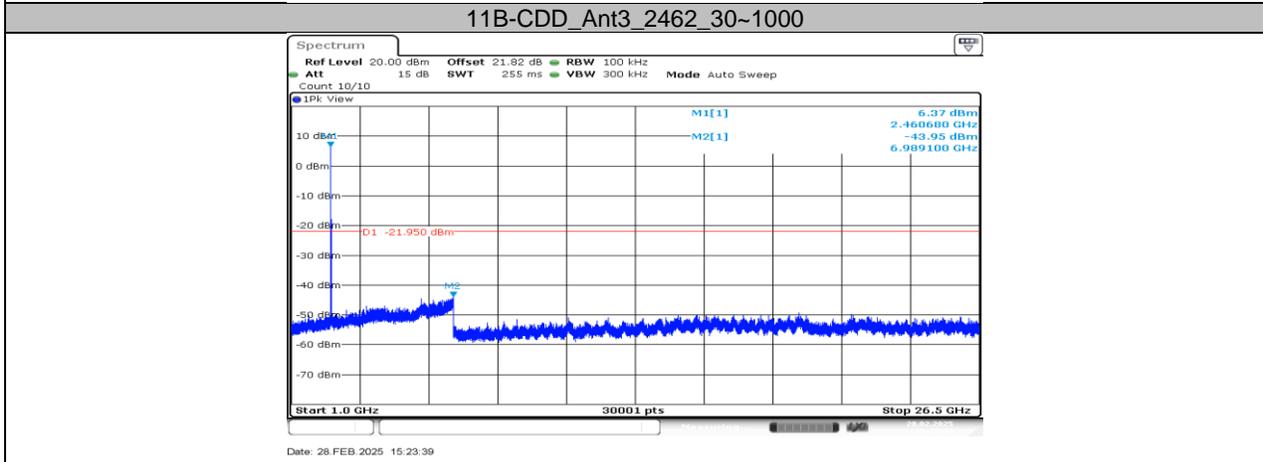
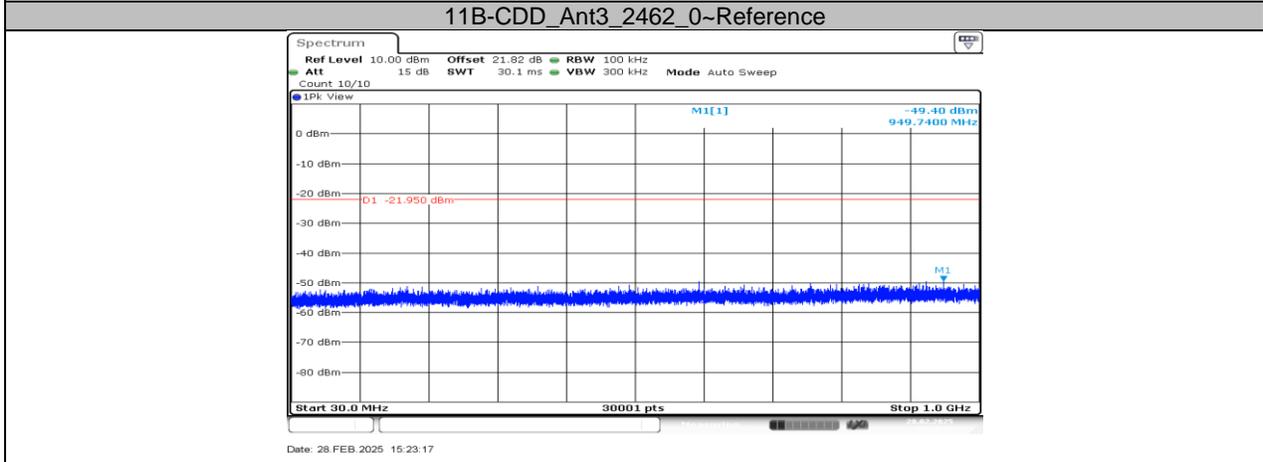
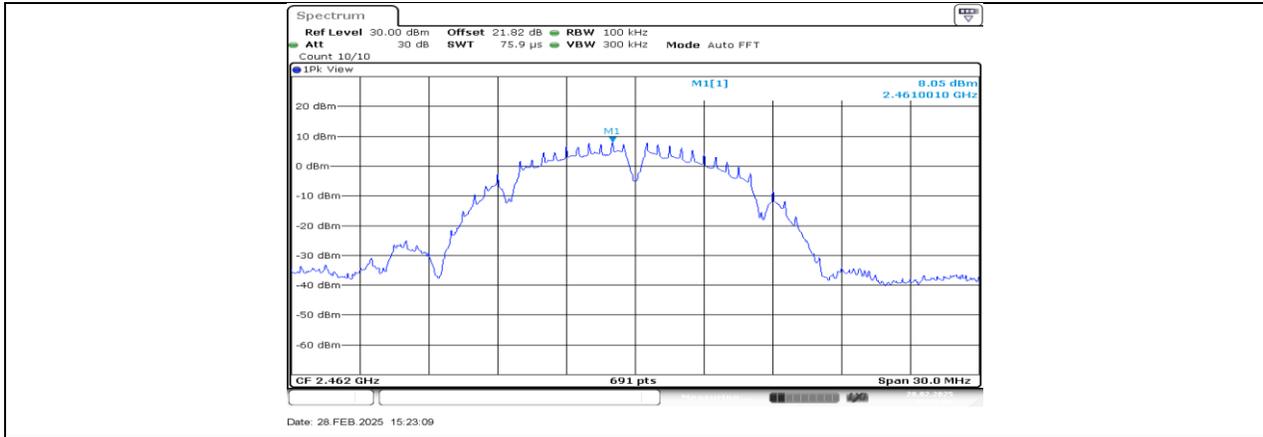


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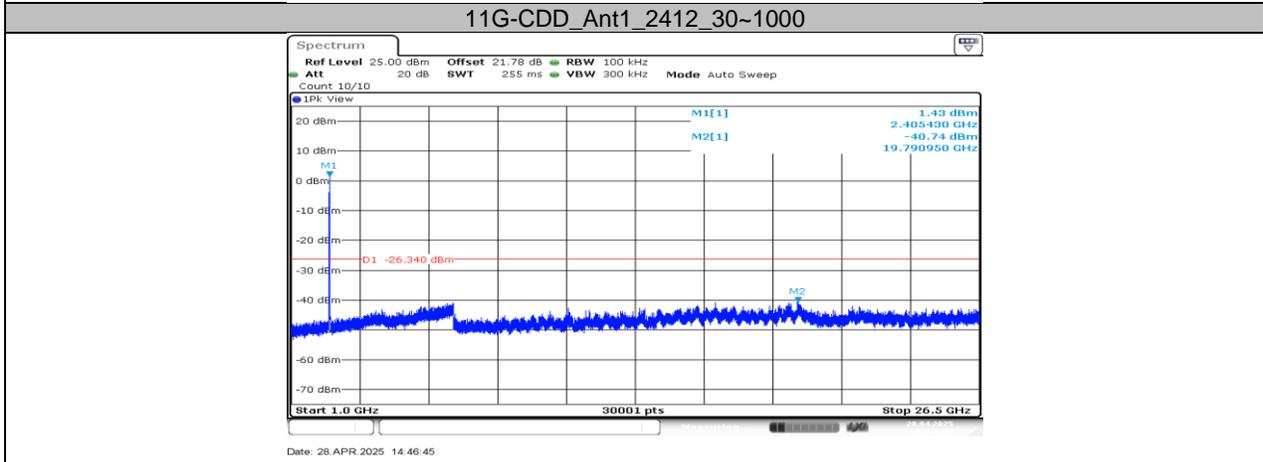
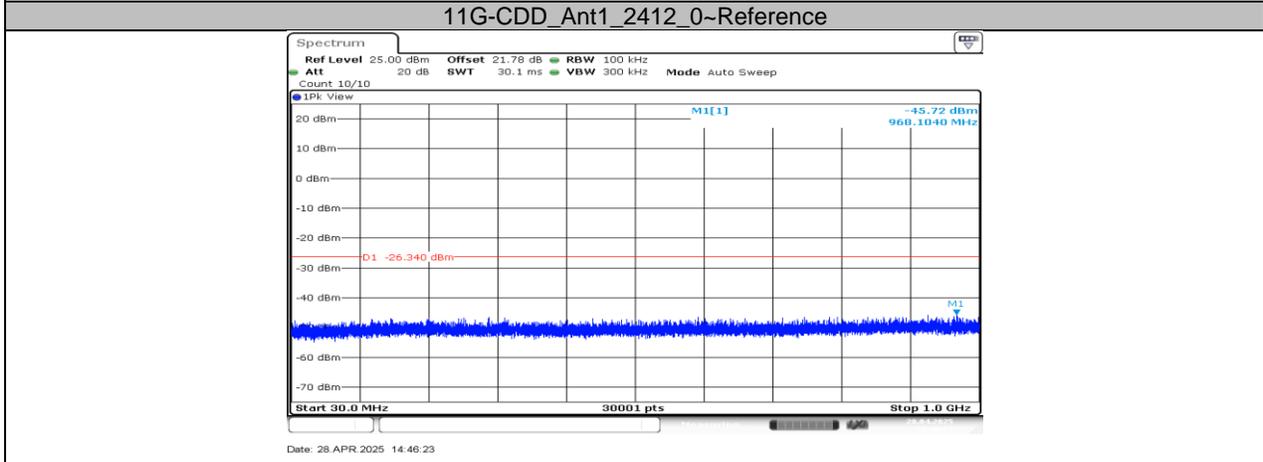
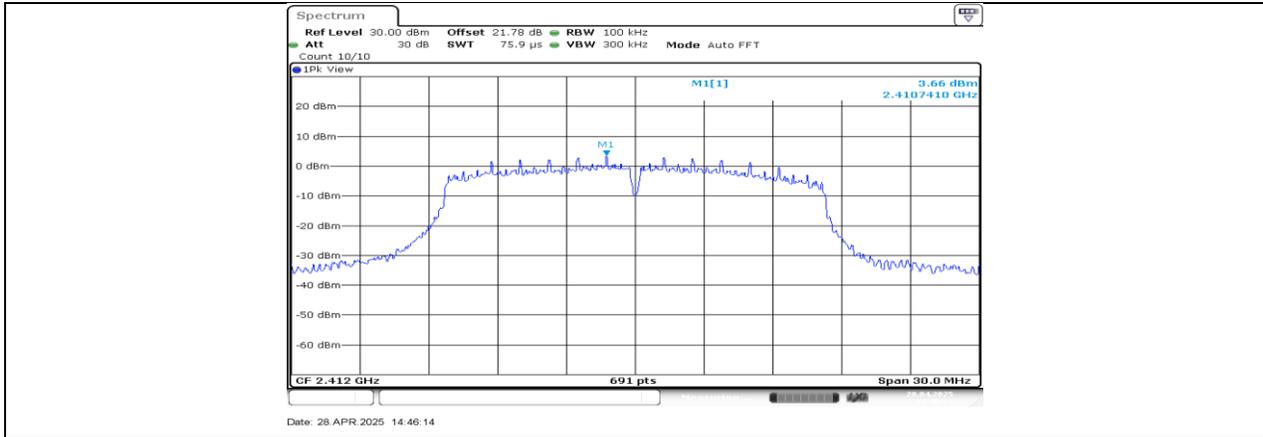


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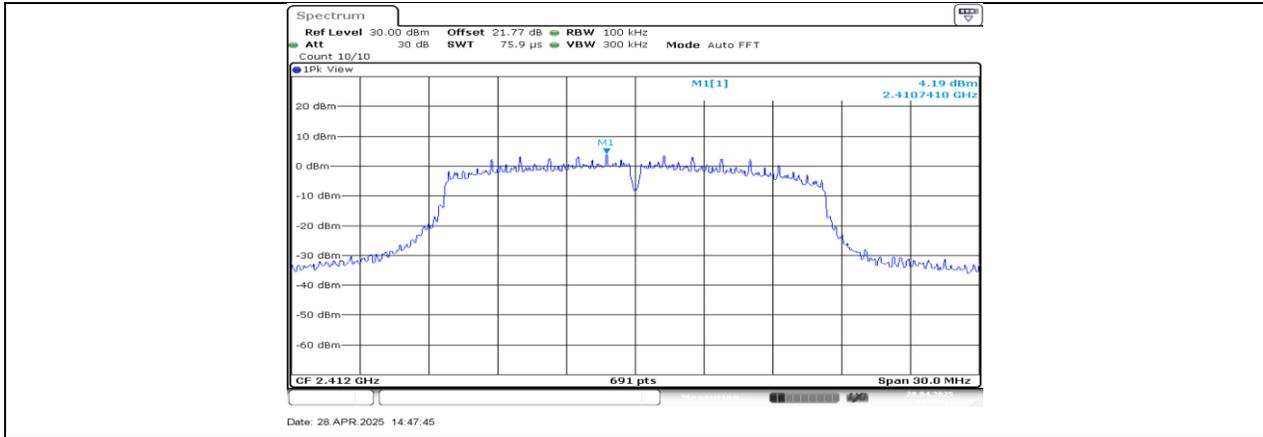




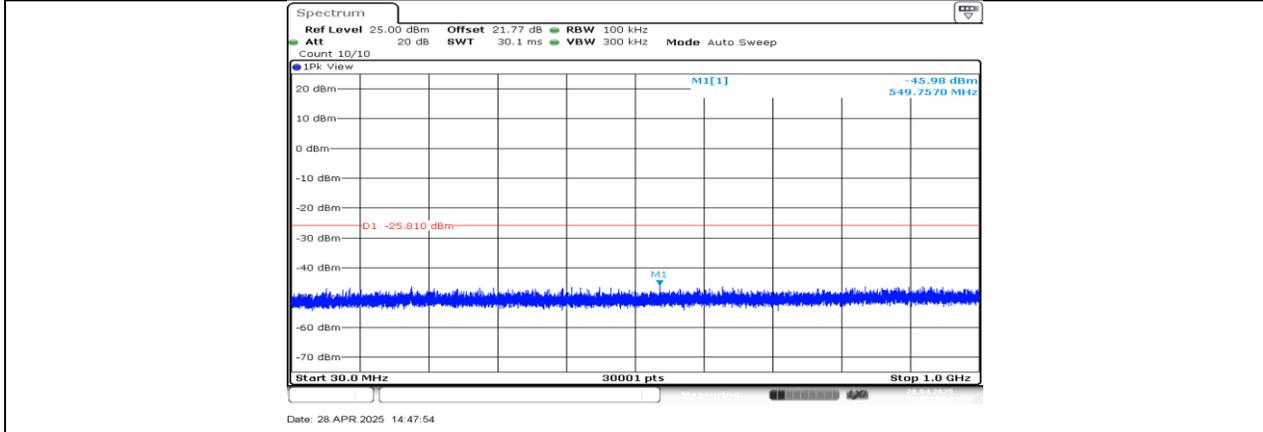
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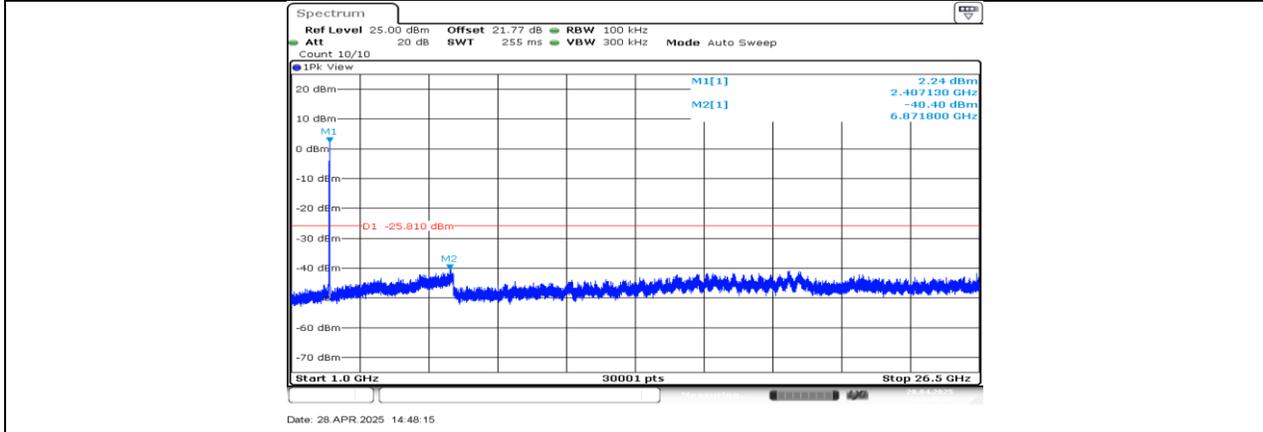
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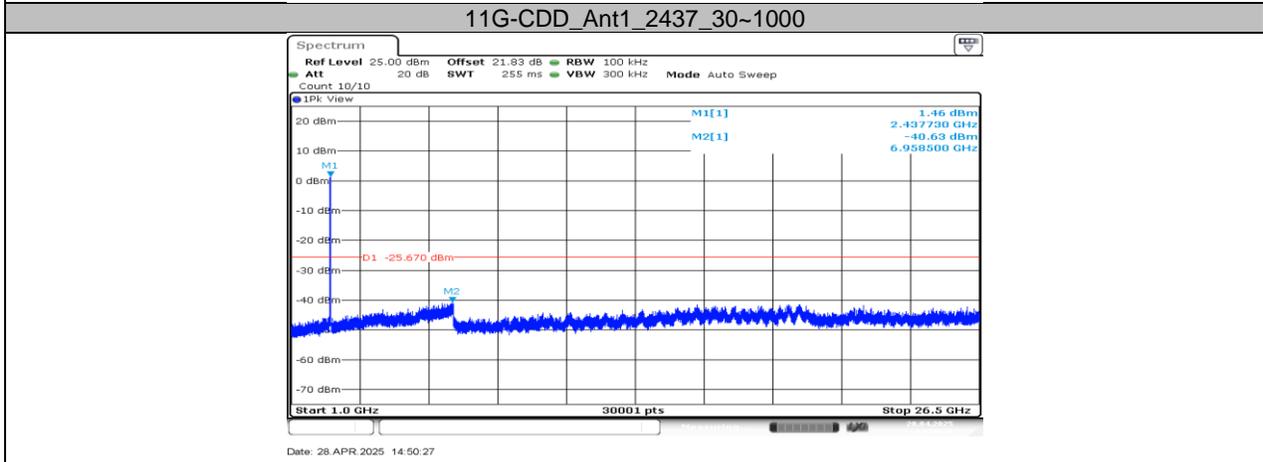
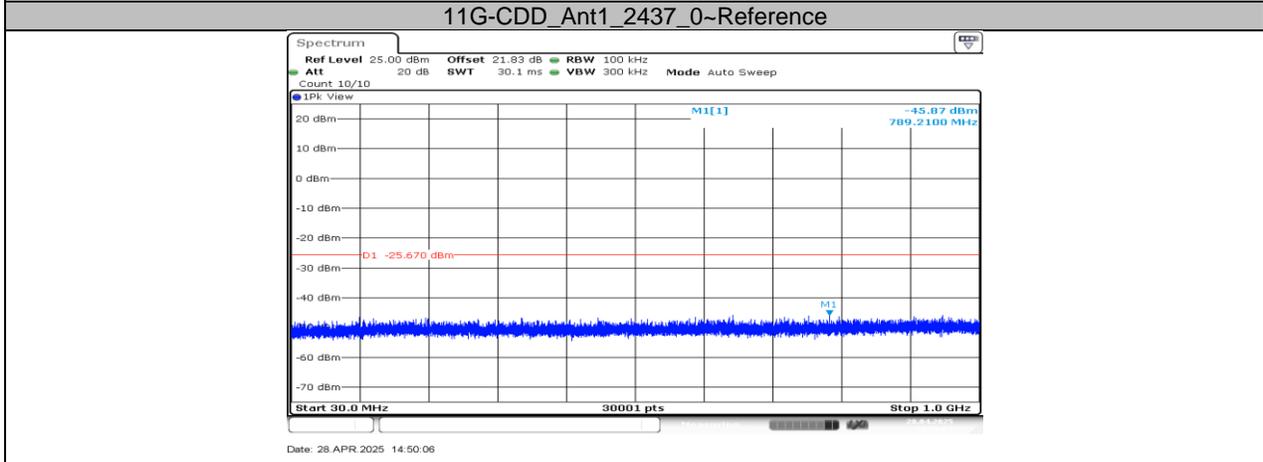
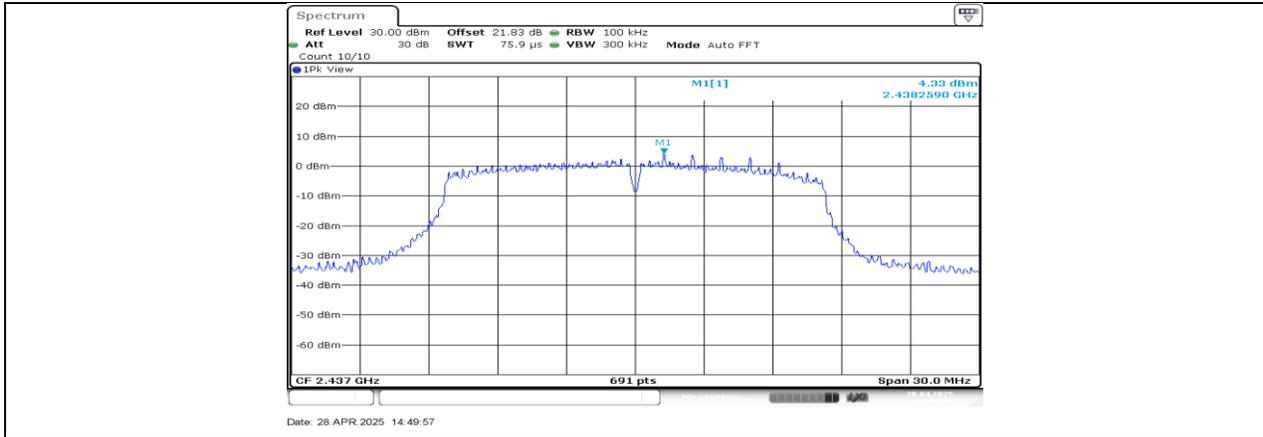
11G-CDD_Ant3_2412_0-Reference



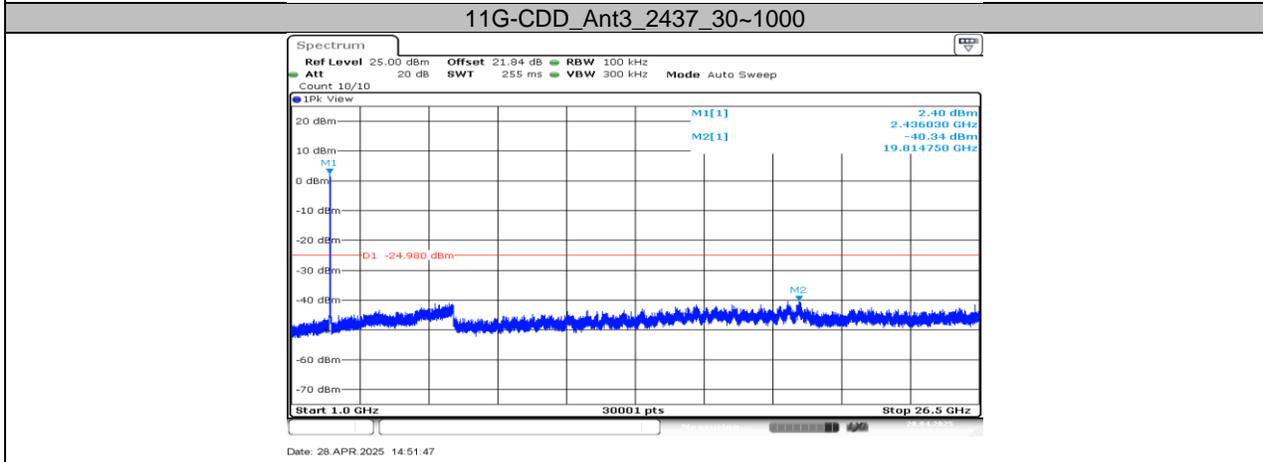
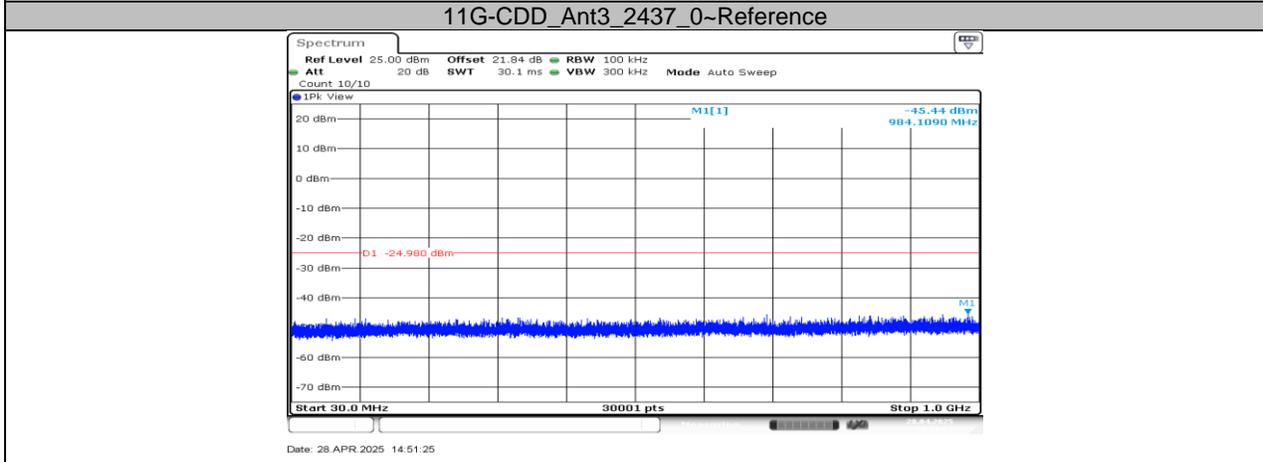
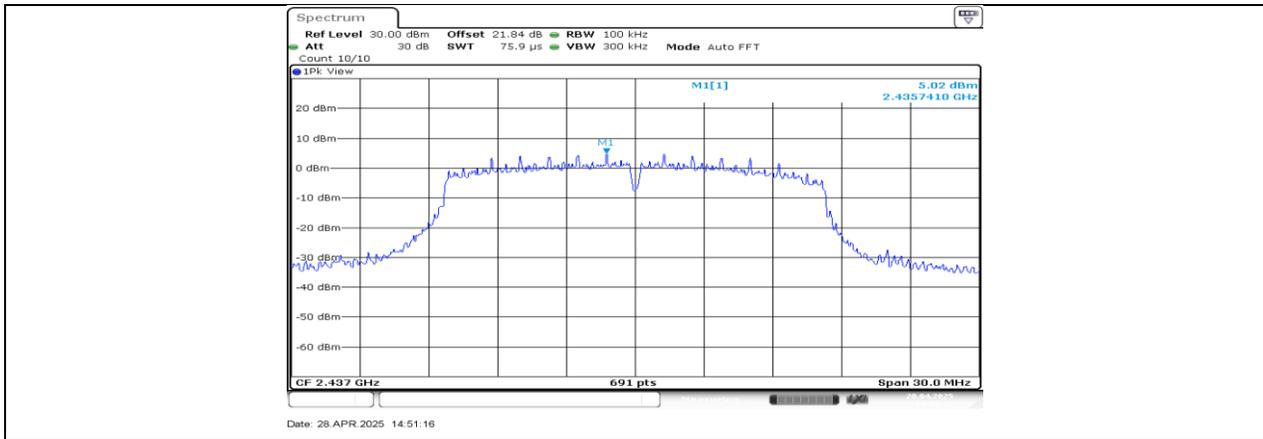
11G-CDD_Ant3_2412_30-1000



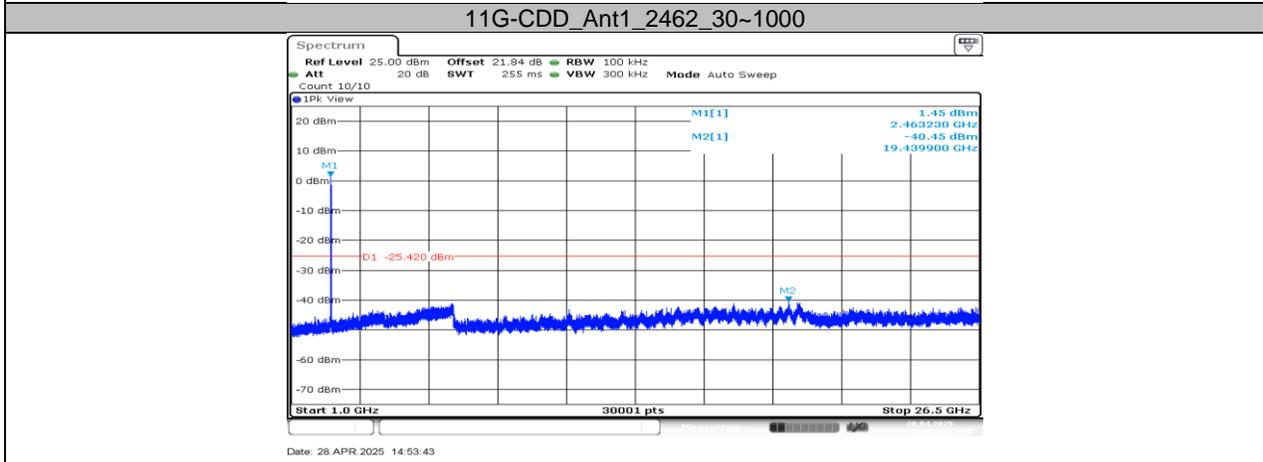
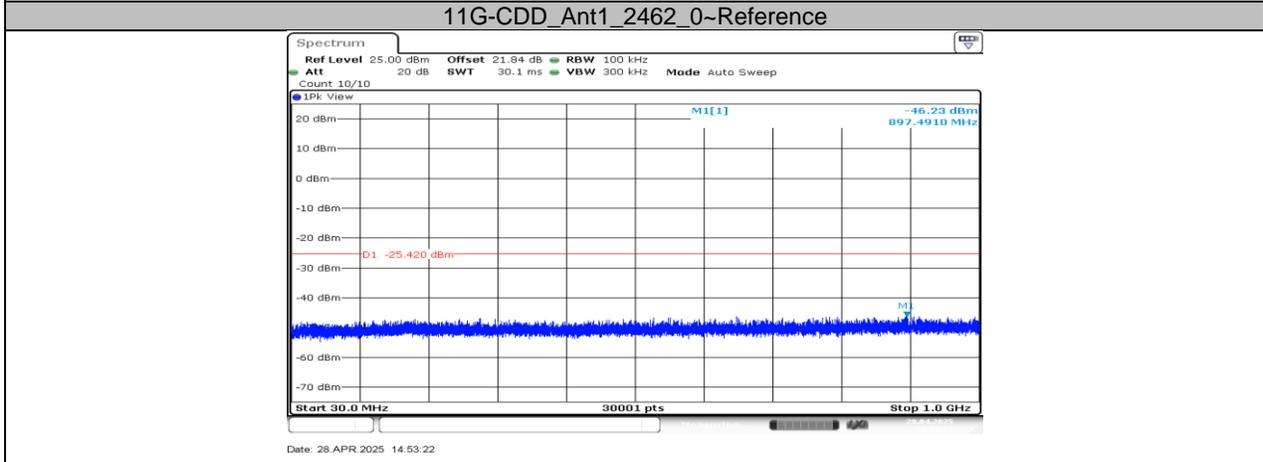
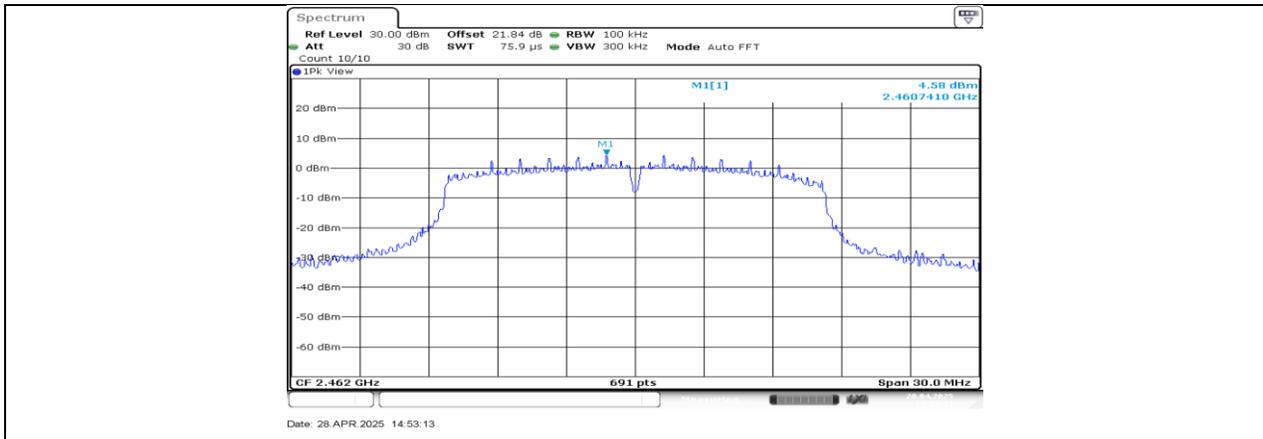
11G-CDD_Ant3_2412_1000-26500



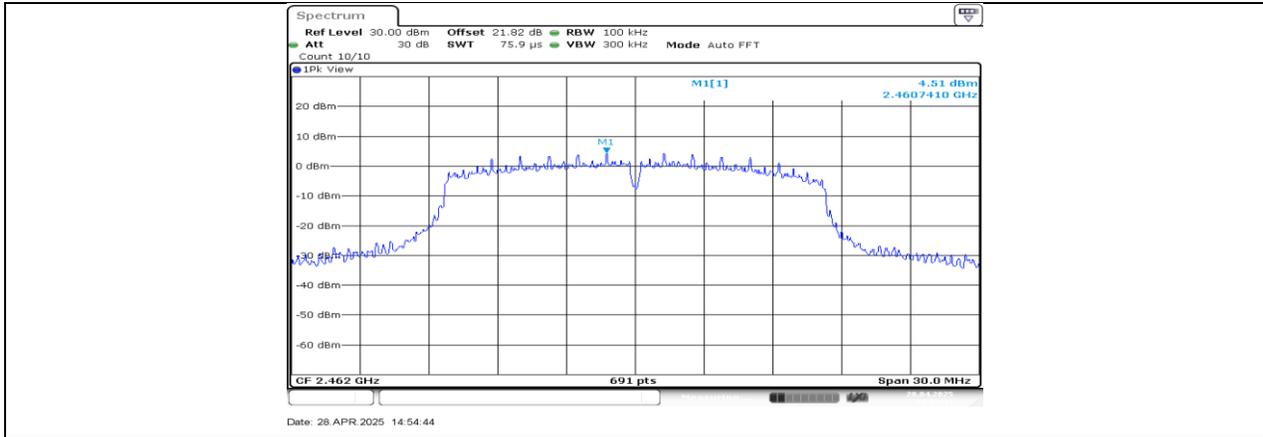
11G-CDD_Ant1_2437_1000-26500



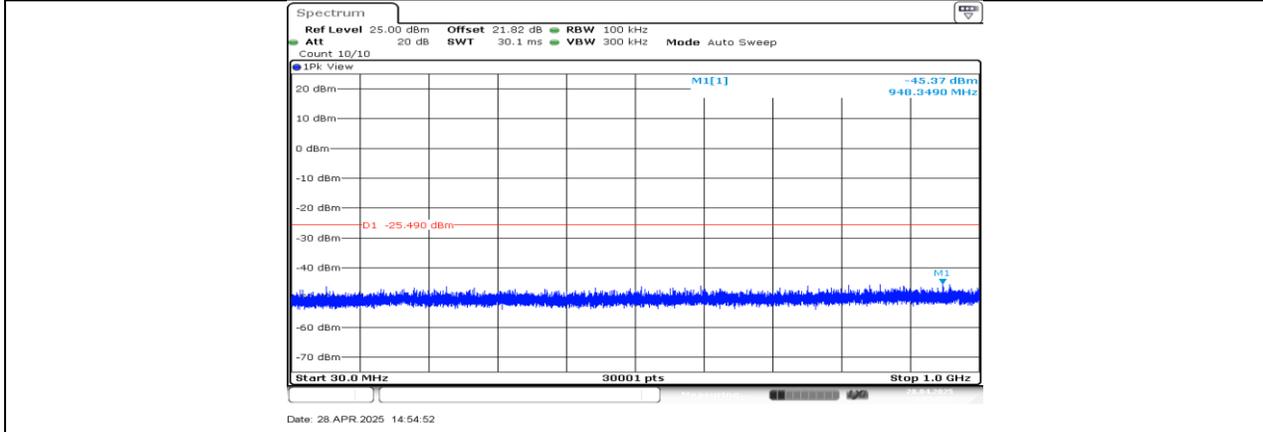
11G-CDD_Ant3_2437_1000~26500



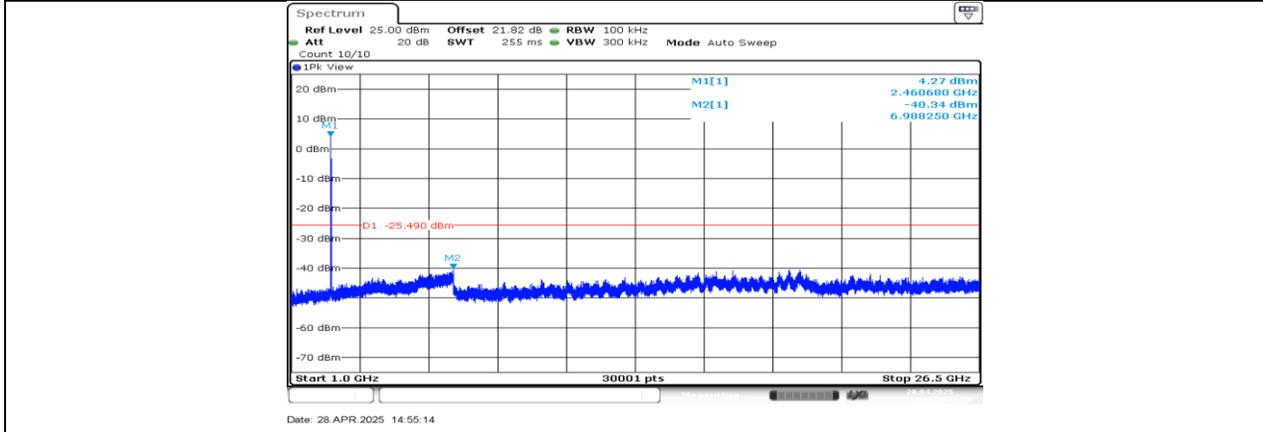
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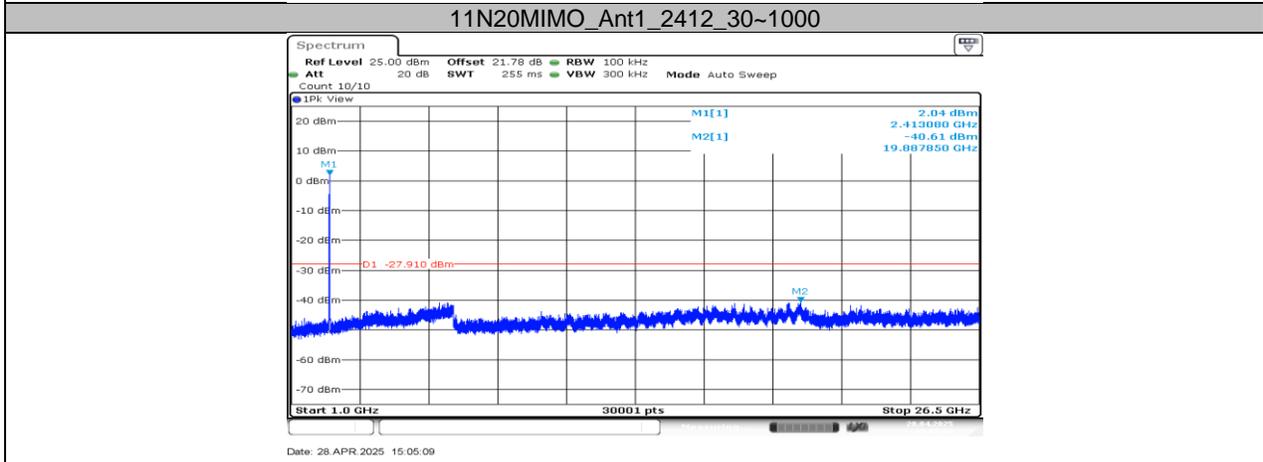
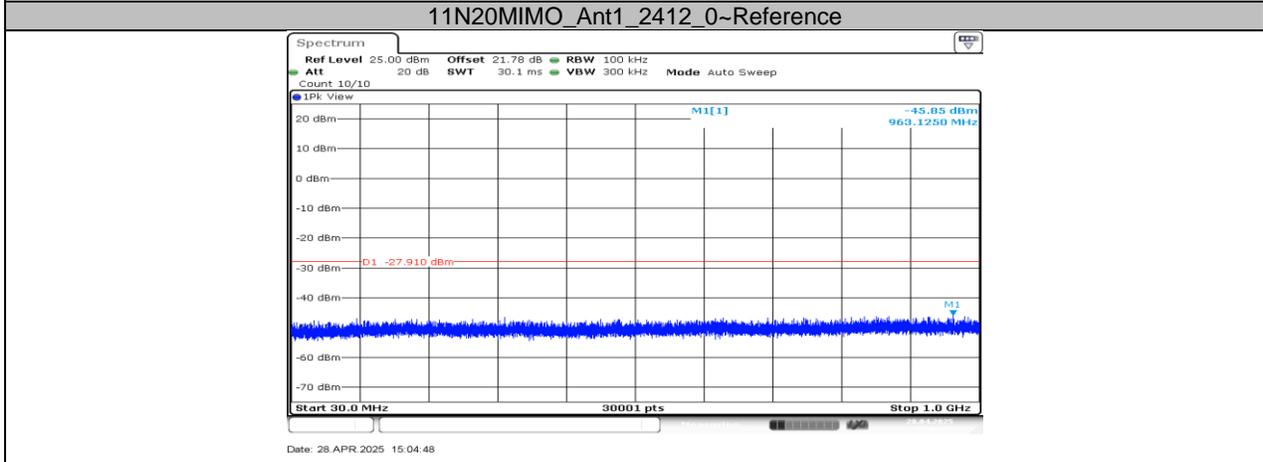
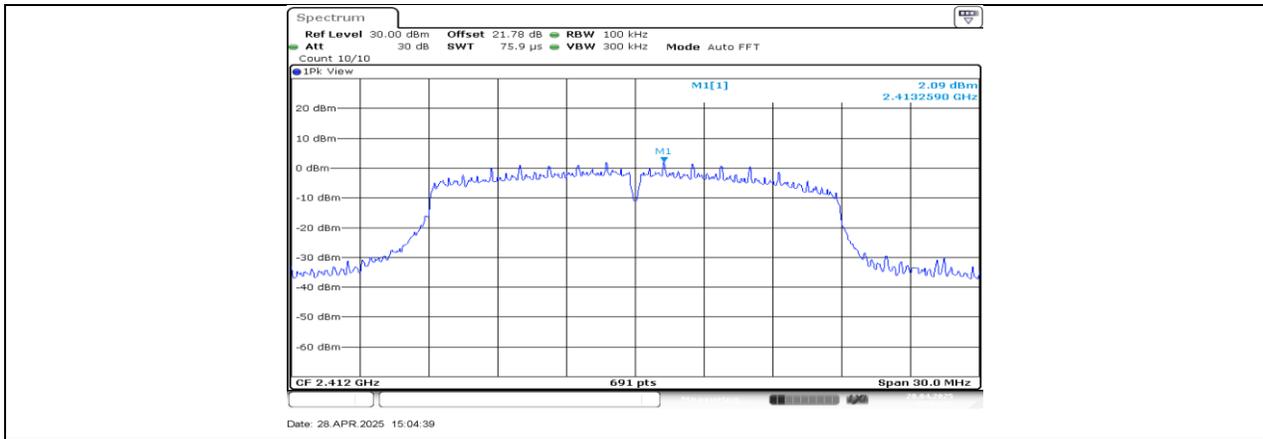
11G-CDD_Ant3_2462_0-Reference



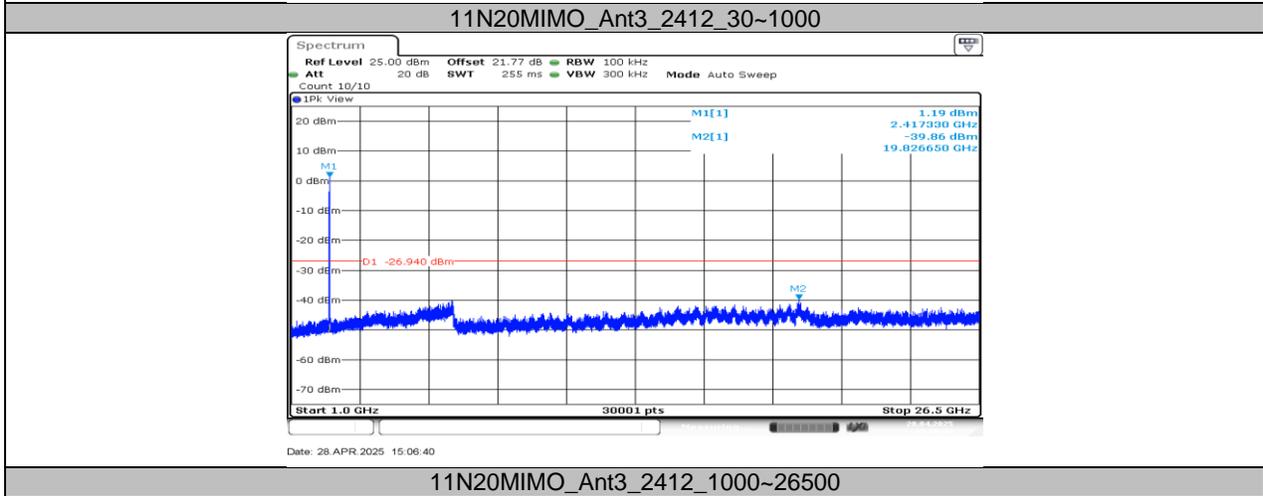
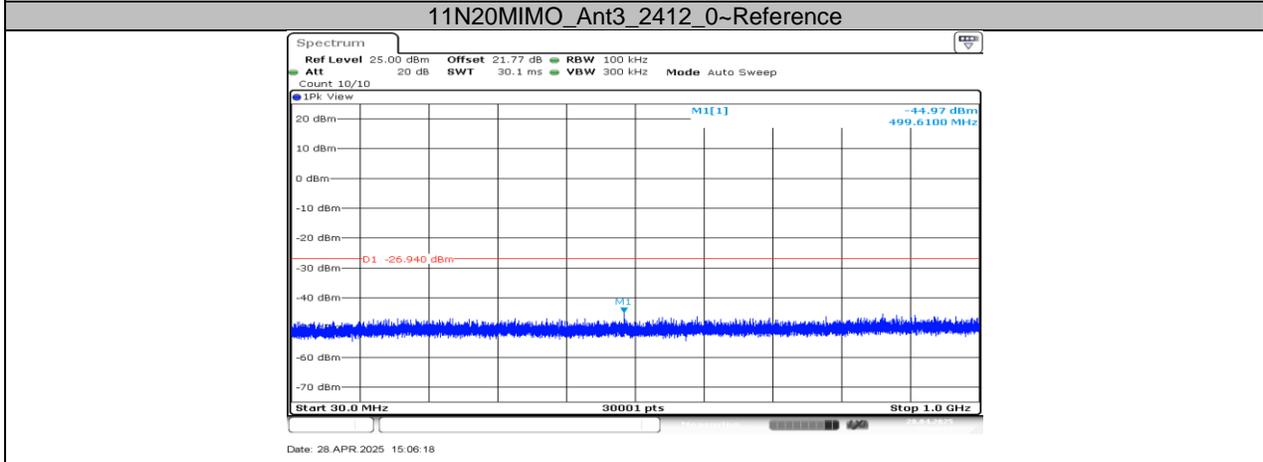
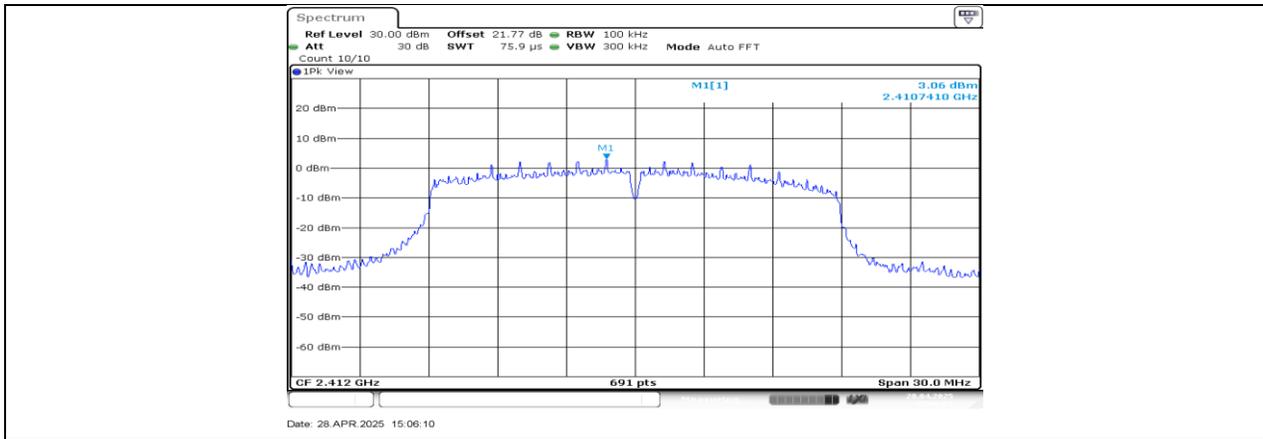
11G-CDD_Ant3_2462_30-1000

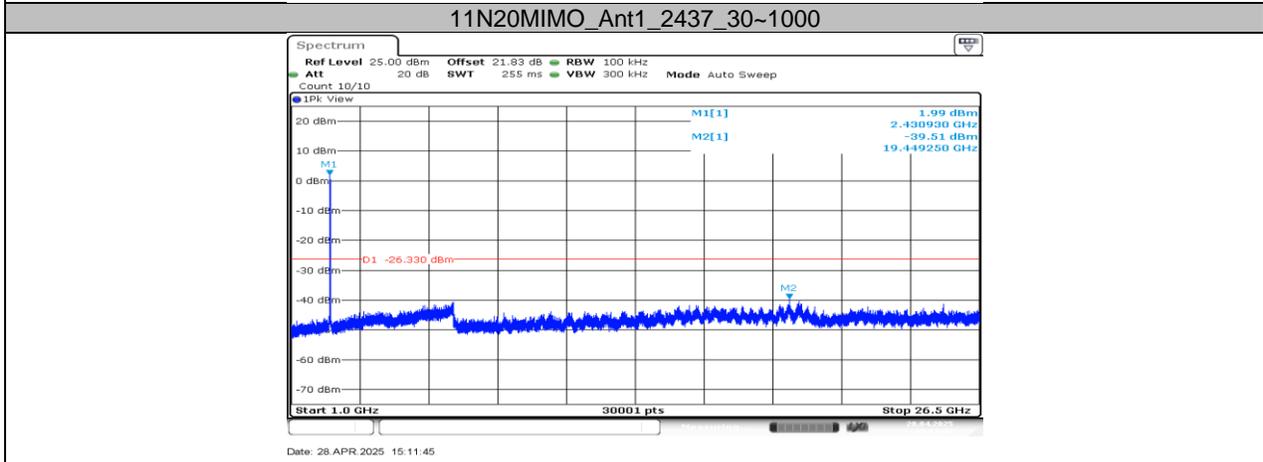
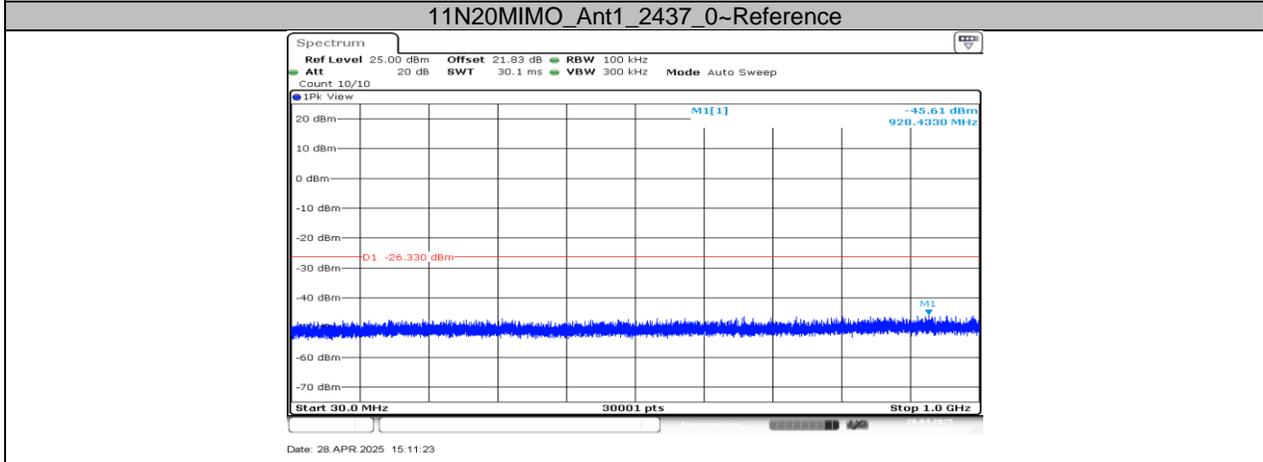
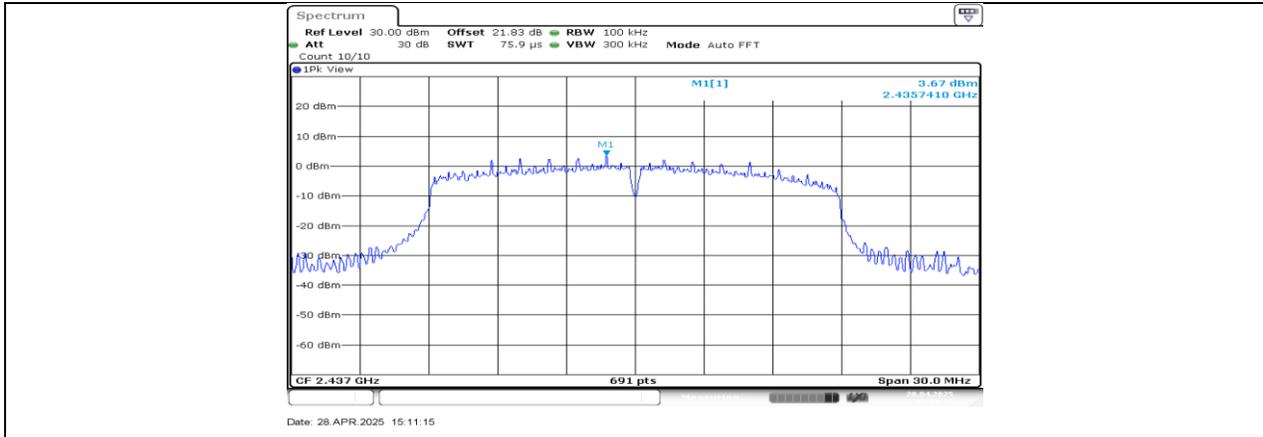


11G-CDD_Ant3_2462_1000-26500

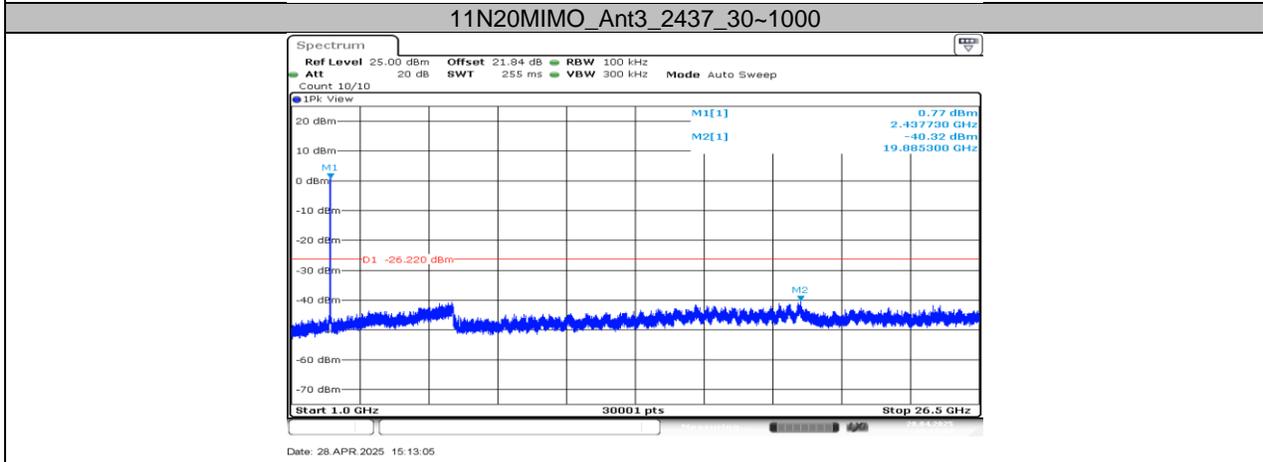
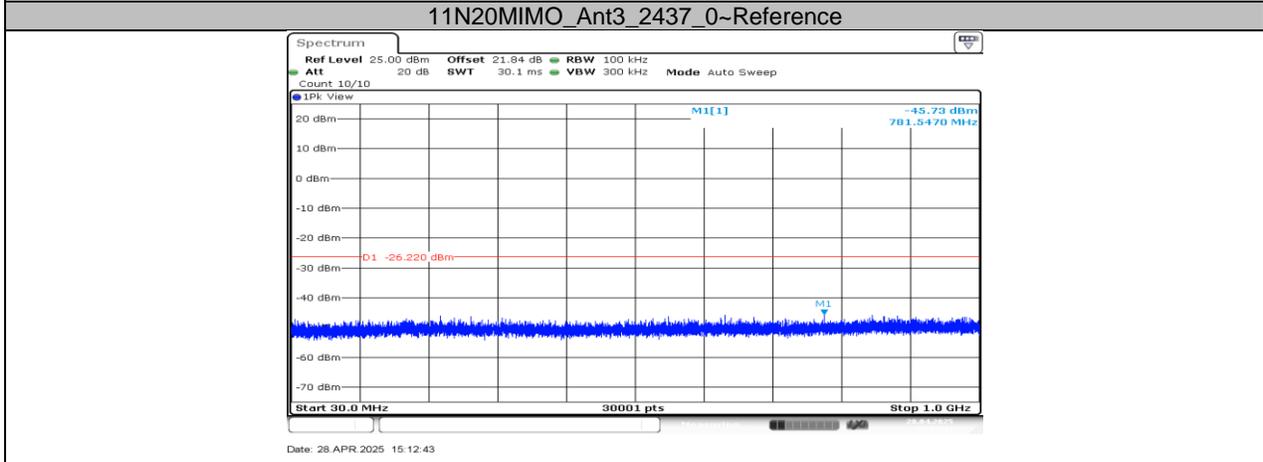
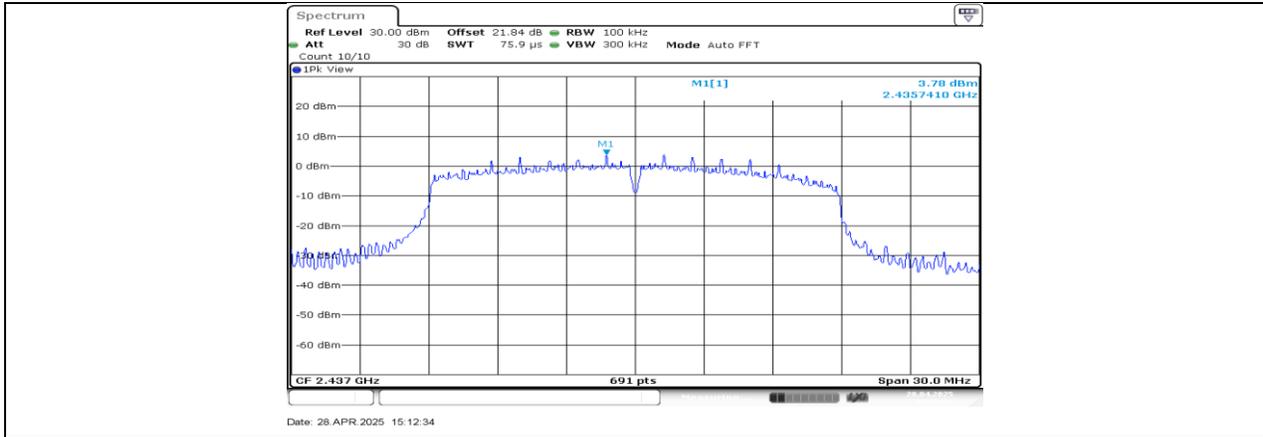


11N20MIMO_Ant1_2412_1000~26500





11N20MIMO_Ant1_2437_1000~26500



11N20MIMO_Ant3_2437_1000~26500