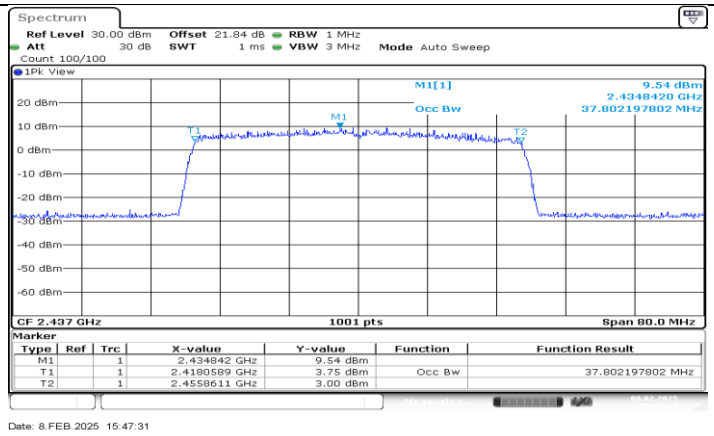
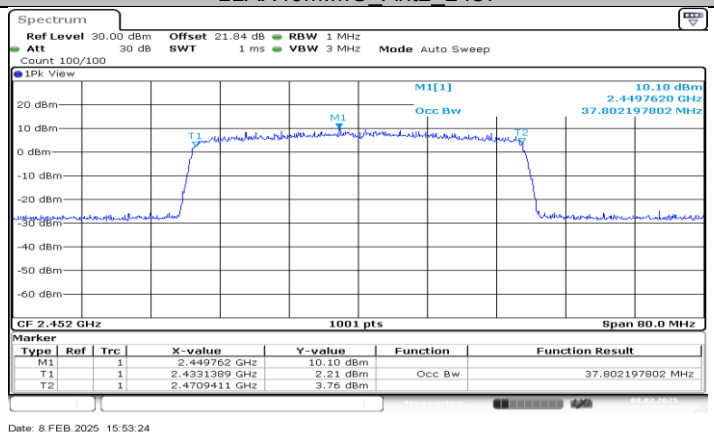
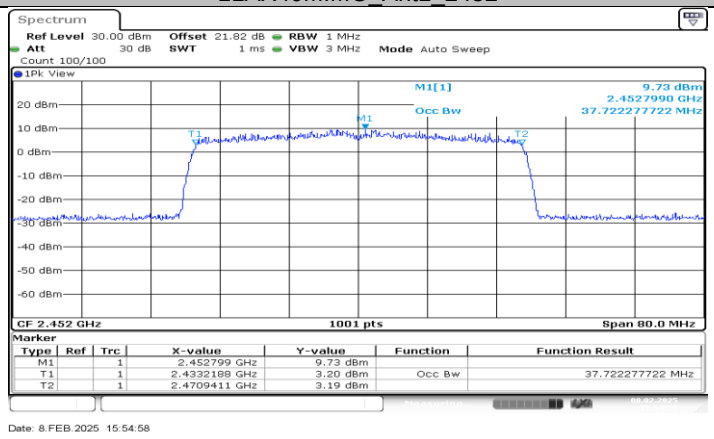


11AX40MIMO_Ant2_2437



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	14.82	≤30.00	PASS
	Ant2	2412	14.33	≤30.00	PASS
	Ant1	2437	14.75	≤30.00	PASS
	Ant2	2437	14.34	≤30.00	PASS
	Ant1	2462	14.77	≤30.00	PASS
	Ant2	2462	14.21	≤30.00	PASS
11G	Ant1	2412	14.89	≤30.00	PASS
	Ant2	2412	14.34	≤30.00	PASS
	Ant1	2437	14.59	≤30.00	PASS
	Ant2	2437	14.05	≤30.00	PASS
	Ant1	2462	14.62	≤30.00	PASS
	Ant2	2462	14.03	≤30.00	PASS
11N20MIMO	Ant1	2412	13.45	≤30.00	PASS
	Ant2	2412	12.95	≤30.00	PASS
	total	2412	16.22	≤30.00	PASS
	Ant1	2437	13.50	≤30.00	PASS
	Ant2	2437	12.63	≤30.00	PASS
	total	2437	16.10	≤30.00	PASS
	Ant1	2462	13.06	≤30.00	PASS
	Ant2	2462	12.21	≤30.00	PASS
	total	2462	15.67	≤30.00	PASS
11N40MIMO	Ant1	2422	14.49	≤30.00	PASS
	Ant2	2422	13.77	≤30.00	PASS
	total	2422	17.16	≤30.00	PASS
	Ant1	2437	14.34	≤30.00	PASS
	Ant2	2437	13.69	≤30.00	PASS
	total	2437	17.04	≤30.00	PASS
	Ant1	2452	14.41	≤30.00	PASS
	Ant2	2452	13.70	≤30.00	PASS
	total	2452	17.08	≤30.00	PASS
11AX20MIMO	Ant1	2412	12.28	≤30.00	PASS
	Ant2	2412	11.94	≤30.00	PASS
	total	2412	15.12	≤30.00	PASS
	Ant1	2437	12.63	≤30.00	PASS
	Ant2	2437	12.32	≤30.00	PASS
	total	2437	15.49	≤30.00	PASS
	Ant1	2462	12.73	≤30.00	PASS
	Ant2	2462	12.26	≤30.00	PASS
	total	2462	15.51	≤30.00	PASS
11AX40MIMO	Ant1	2422	12.60	≤30.00	PASS
	Ant2	2422	12.16	≤30.00	PASS
	total	2422	15.40	≤30.00	PASS
	Ant1	2437	12.53	≤30.00	PASS
	Ant2	2437	12.08	≤30.00	PASS
	total	2437	15.32	≤30.00	PASS
	Ant1	2452	12.58	≤30.00	PASS
	Ant2	2452	12.10	≤30.00	PASS
	total	2452	15.36	≤30.00	PASS

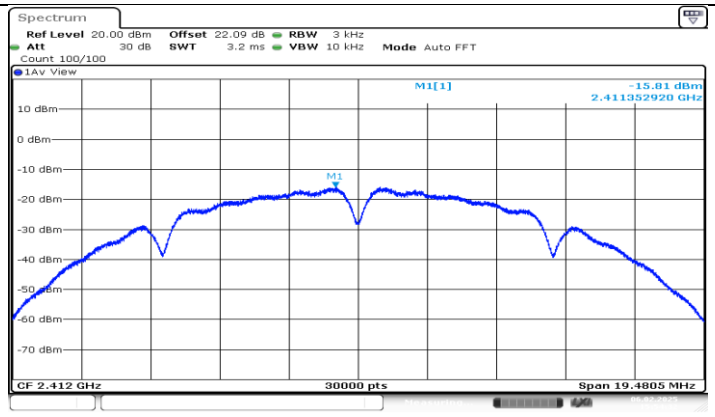
Note: 1. Conducted Power=Meas. Level+ Correction Factor
2. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.

11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

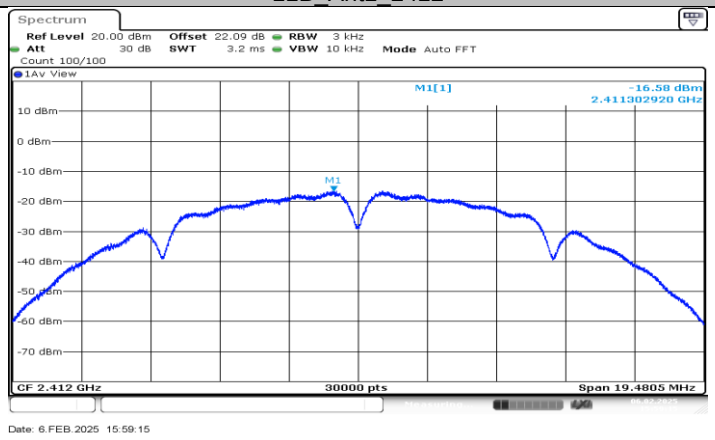
11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.81	≤8.00	PASS
	Ant2	2412	-16.58	≤8.00	PASS
	Ant1	2437	-16.19	≤8.00	PASS
	Ant2	2437	-16.54	≤8.00	PASS
	Ant1	2462	-16.13	≤8.00	PASS
	Ant2	2462	-16.88	≤8.00	PASS
11G	Ant1	2412	-17.62	≤8.00	PASS
	Ant2	2412	-18.06	≤8.00	PASS
	Ant1	2437	-18.07	≤8.00	PASS
	Ant2	2437	-18.71	≤8.00	PASS
	Ant1	2462	-18.08	≤8.00	PASS
	Ant2	2462	-18.81	≤8.00	PASS
11N20MIMO	Ant1	2412	-18.88	≤8.00	PASS
	Ant2	2412	-19.03	≤8.00	PASS
	total	2412	-15.94	≤8.00	PASS
	Ant1	2437	-19.27	≤8.00	PASS
	Ant2	2437	-19.42	≤8.00	PASS
	total	2437	-16.33	≤8.00	PASS
	Ant1	2462	-19.59	≤8.00	PASS
	Ant2	2462	-20.42	≤8.00	PASS
	total	2462	-16.97	≤8.00	PASS
11N40MIMO	Ant1	2422	-19.56	≤8.00	PASS
	Ant2	2422	-19.85	≤8.00	PASS
	total	2422	-16.69	≤8.00	PASS
	Ant1	2437	-19.67	≤8.00	PASS
	Ant2	2437	-19.45	≤8.00	PASS
	total	2437	-16.55	≤8.00	PASS
	Ant1	2452	-19.30	≤8.00	PASS
	Ant2	2452	-20.05	≤8.00	PASS
	total	2452	-16.65	≤8.00	PASS
11AX20MIMO	Ant1	2412	-17.90	≤8.00	PASS
	Ant2	2412	-18.93	≤8.00	PASS
	total	2412	-15.37	≤8.00	PASS
	Ant1	2437	-19.35	≤8.00	PASS
	Ant2	2437	-19.05	≤8.00	PASS
	total	2437	-16.19	≤8.00	PASS
	Ant1	2462	-18.42	≤8.00	PASS
	Ant2	2462	-20.46	≤8.00	PASS
	total	2462	-16.31	≤8.00	PASS
11AX40MIMO	Ant1	2422	-22.82	≤8.00	PASS
	Ant2	2422	-21.82	≤8.00	PASS
	total	2422	-19.28	≤8.00	PASS
	Ant1	2437	-22.43	≤8.00	PASS
	Ant2	2437	-22.91	≤8.00	PASS
	total	2437	-19.65	≤8.00	PASS
	Ant1	2452	-22.55	≤8.00	PASS
	Ant2	2452	-22.74	≤8.00	PASS
	total	2452	-19.63	≤8.00	PASS

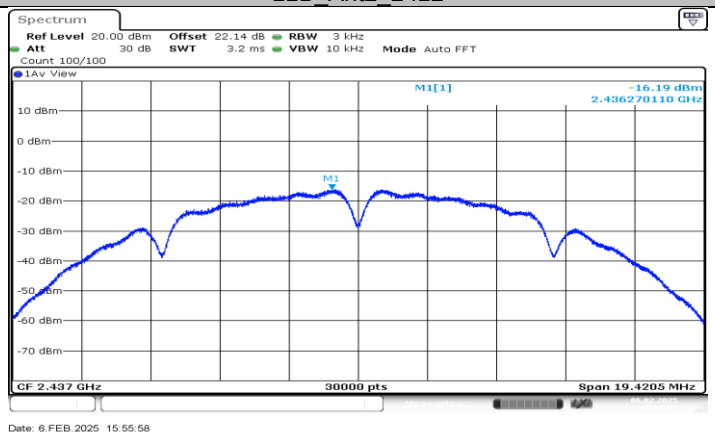
11.4.2. Test Graphs



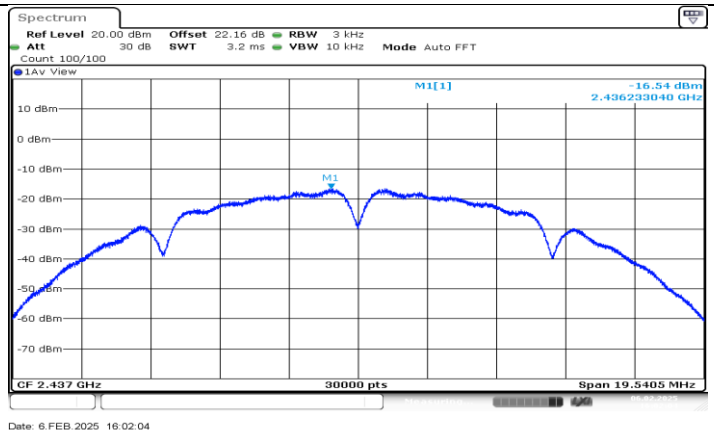
11B_Ant1_2412



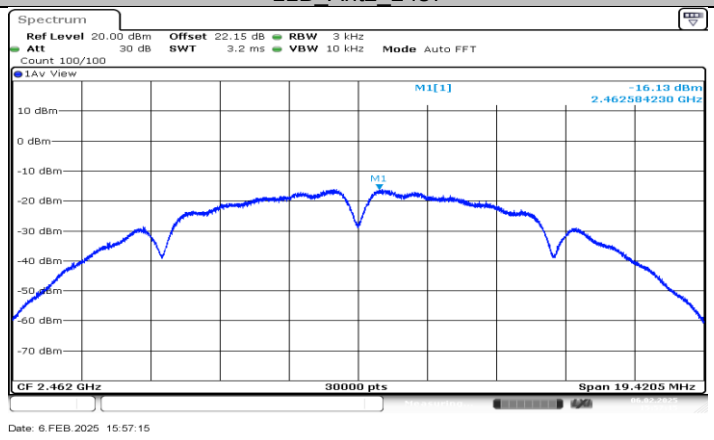
11B_Ant2_2412



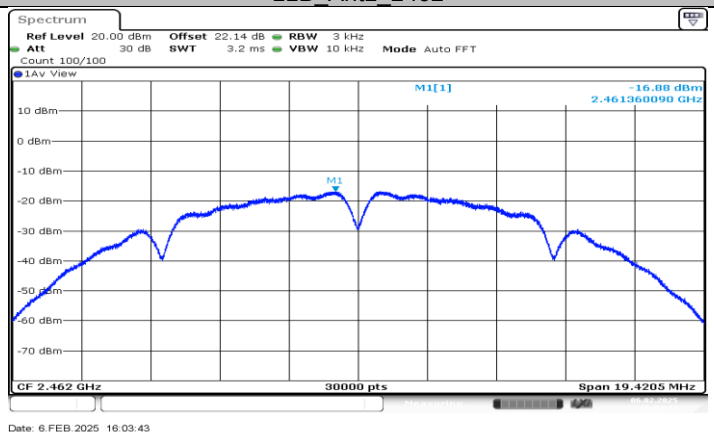
11B_Ant1_2437



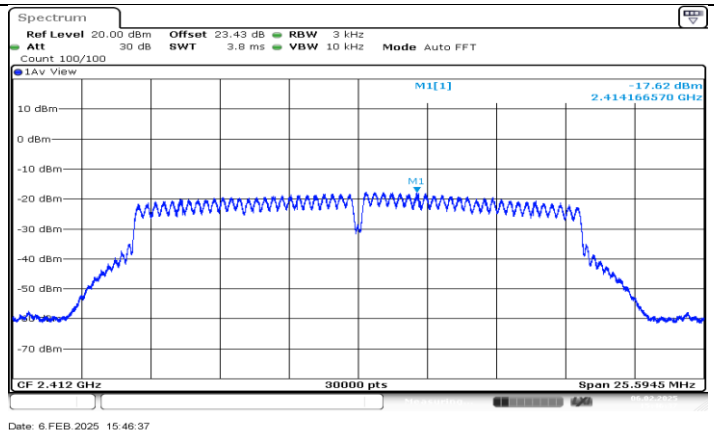
11B_Ant2_2437



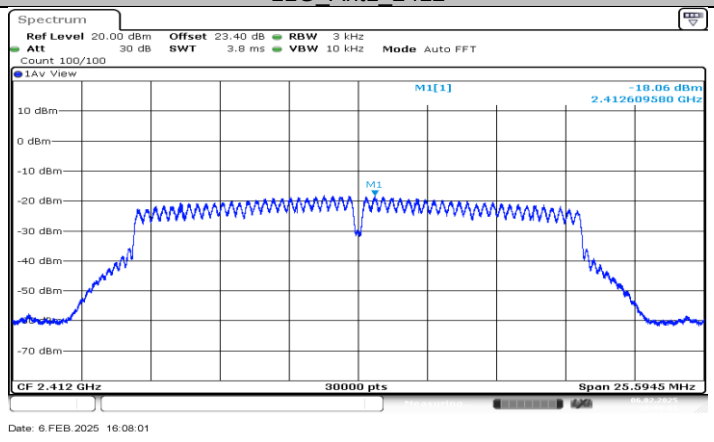
11B_Ant1_2462



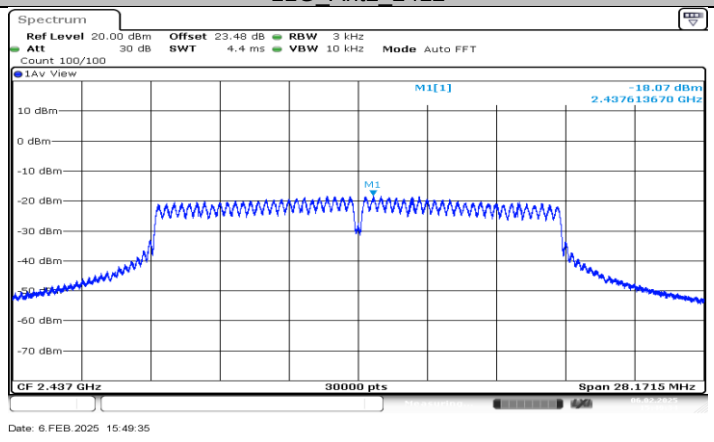
11B_Ant2_2462



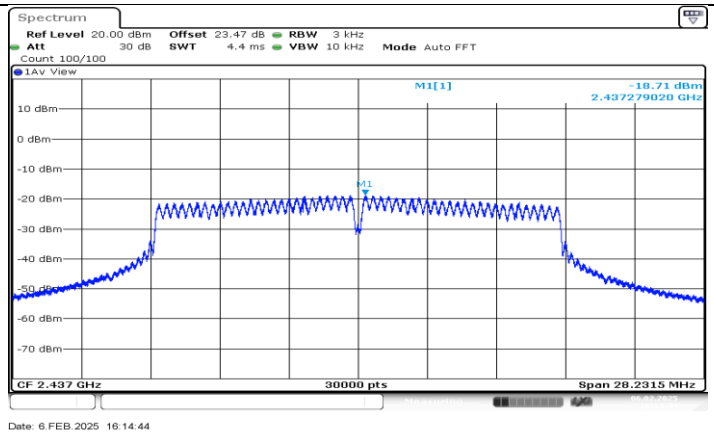
11G_Ant1_2412



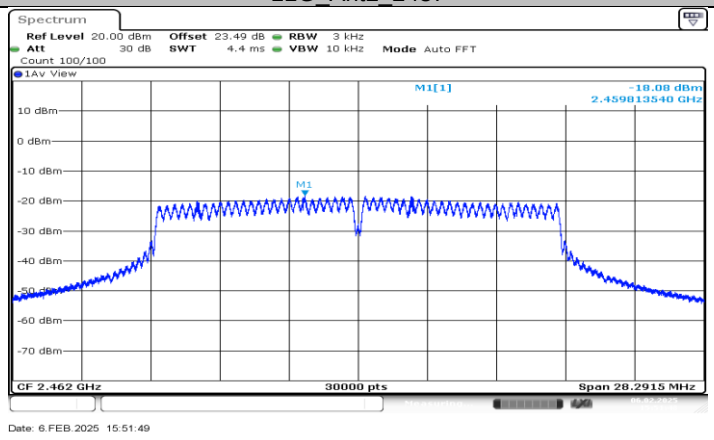
11G_Ant2_2412



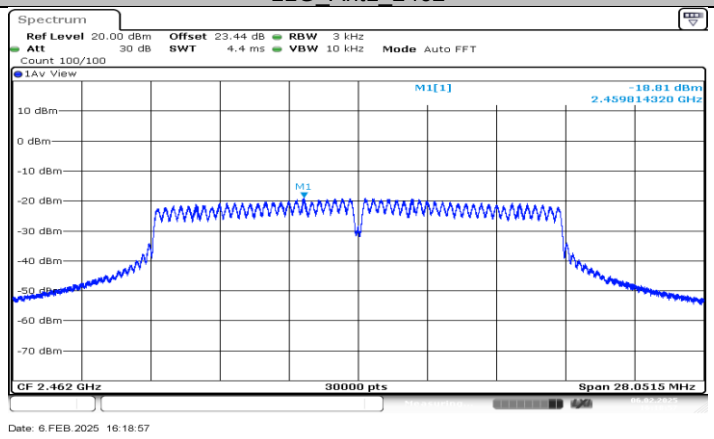
11G_Ant1_2437



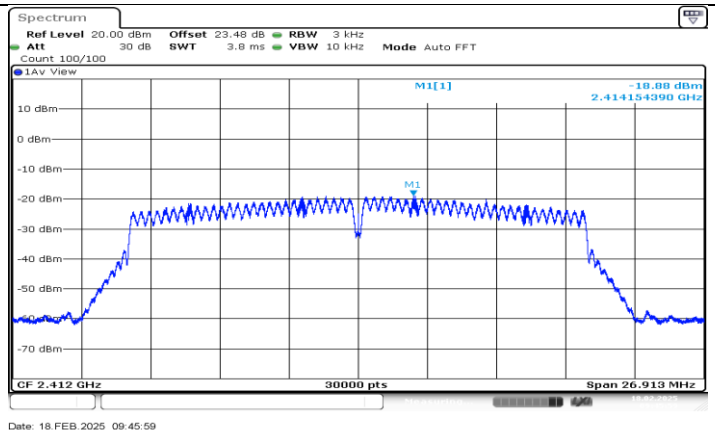
11G_Ant2_2437



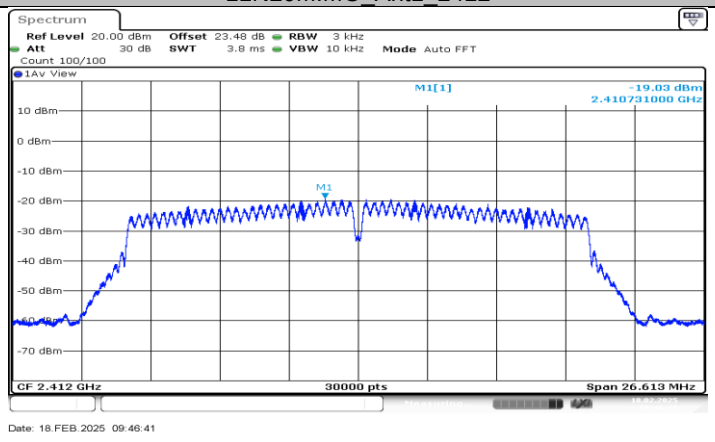
11G_Ant1_2462



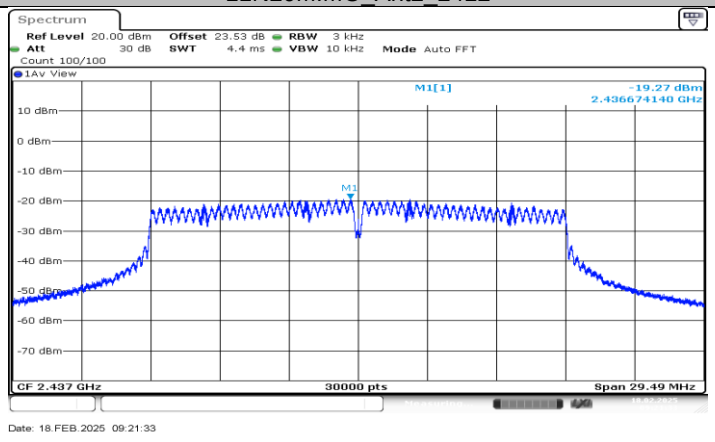
11G_Ant2_2462



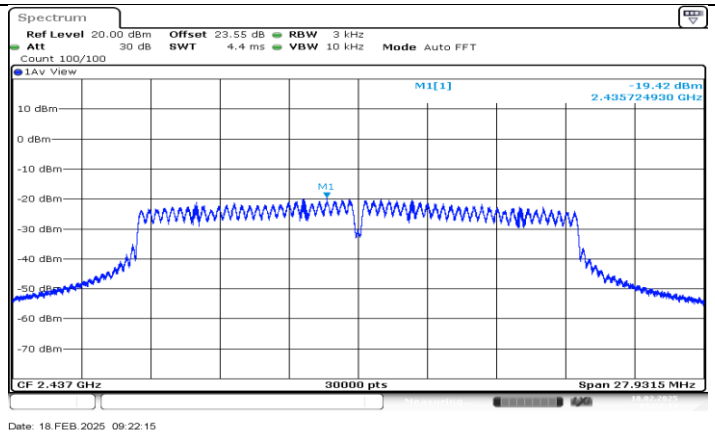
11N20MIMO_Ant1_2412



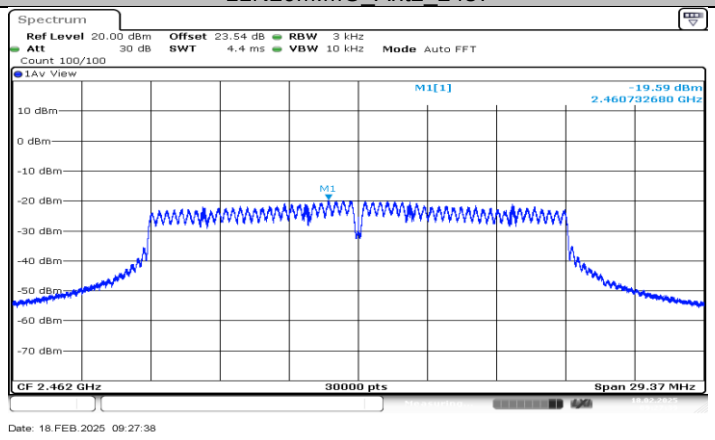
11N20MIMO_Ant2_2412



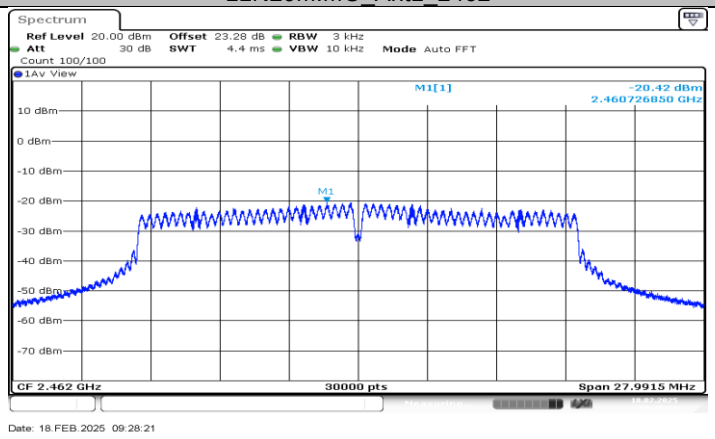
11N20MIMO_Ant1_2437



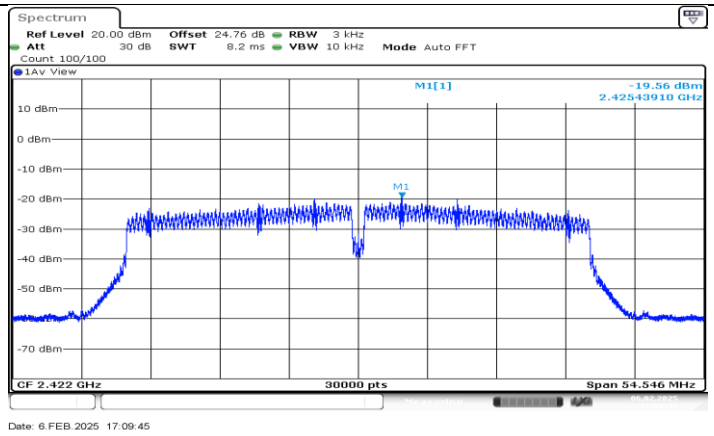
11N20MIMO_Ant2_2437



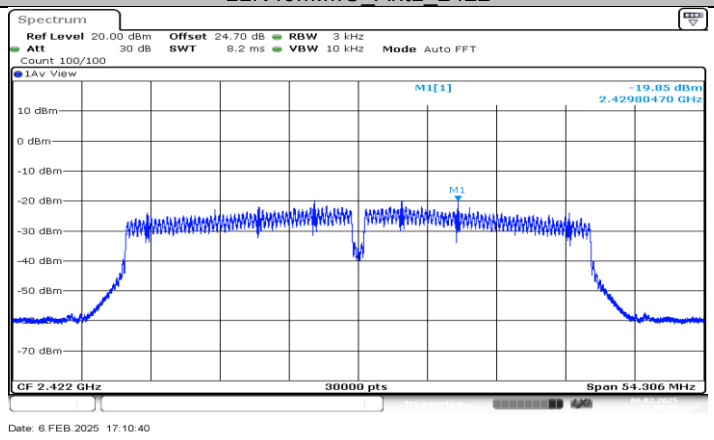
11N20MIMO_Ant1_2462



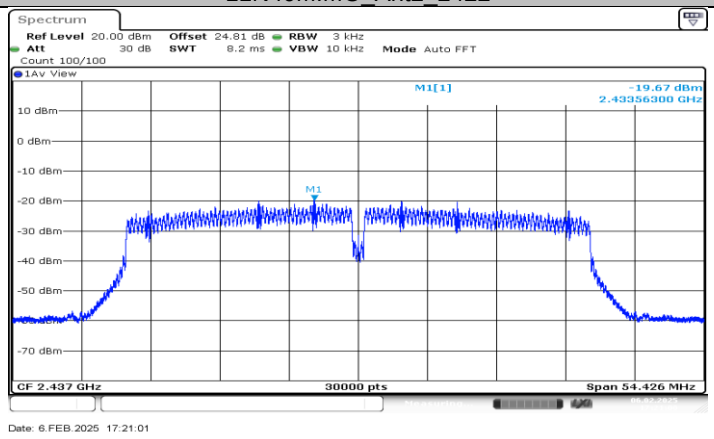
11N20MIMO_Ant2_2462



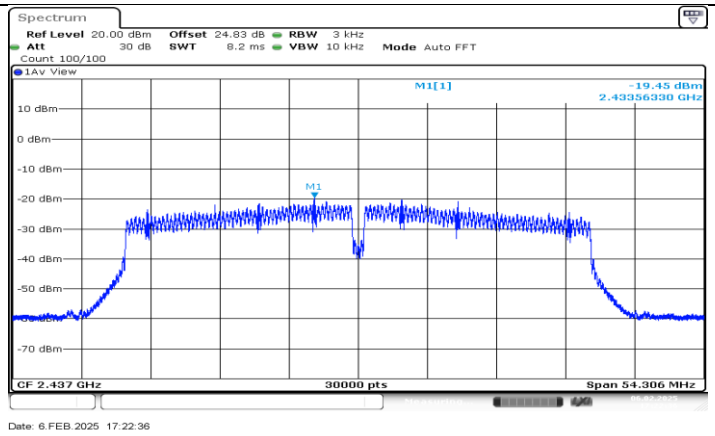
11N40MIMO_Ant1_2422



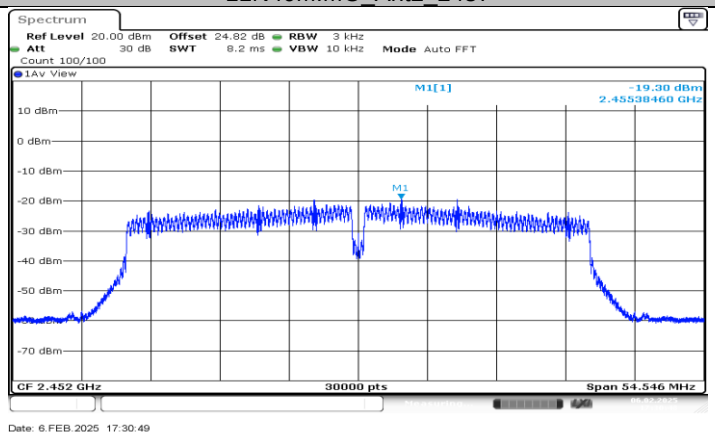
11N40MIMO_Ant2_2422



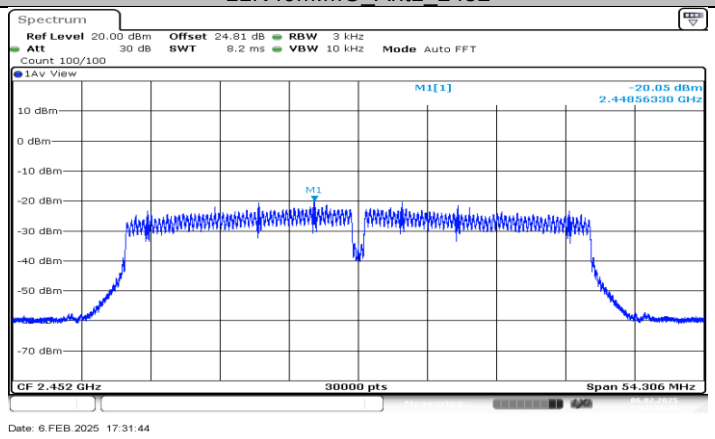
11N40MIMO_Ant1_2437



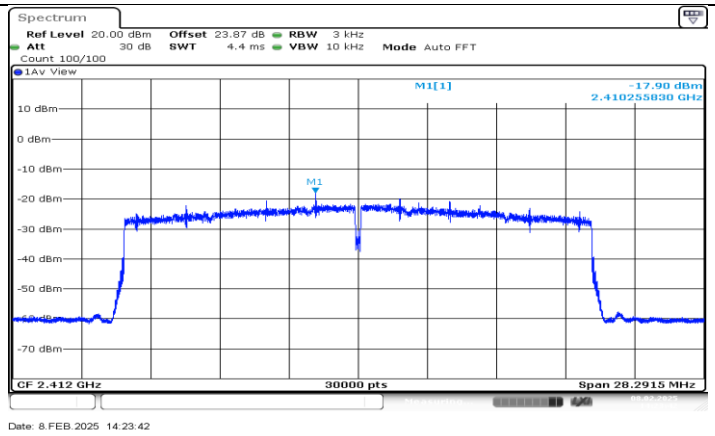
11N40MIMO_Ant2_2437



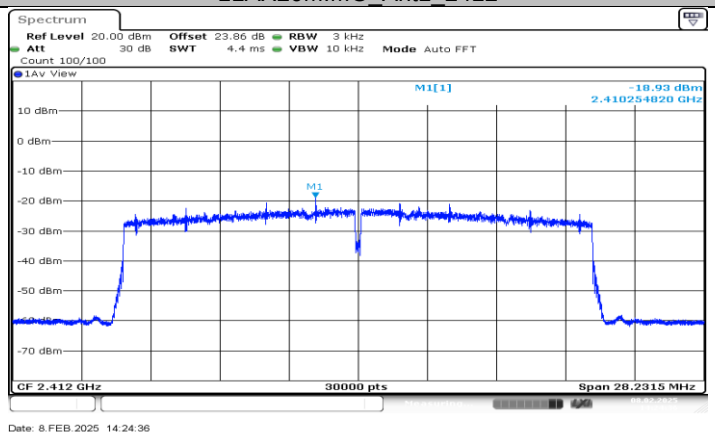
11N40MIMO_Ant1_2452



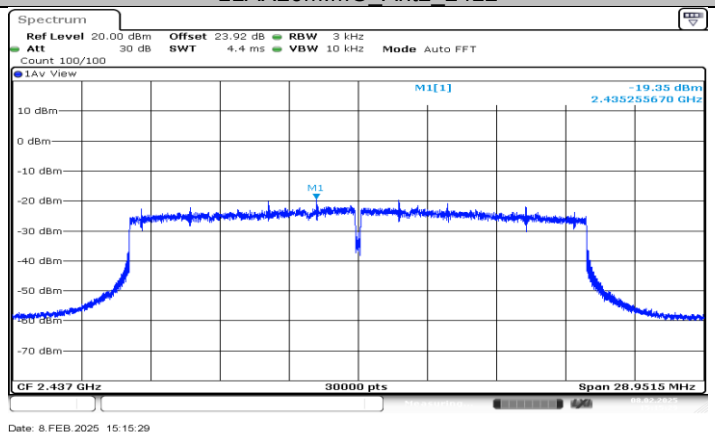
11N40MIMO_Ant2_2452



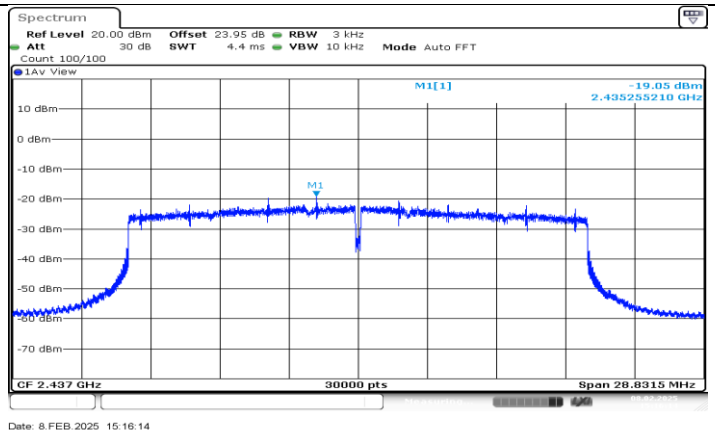
11AX20MIMO_Ant1_2412



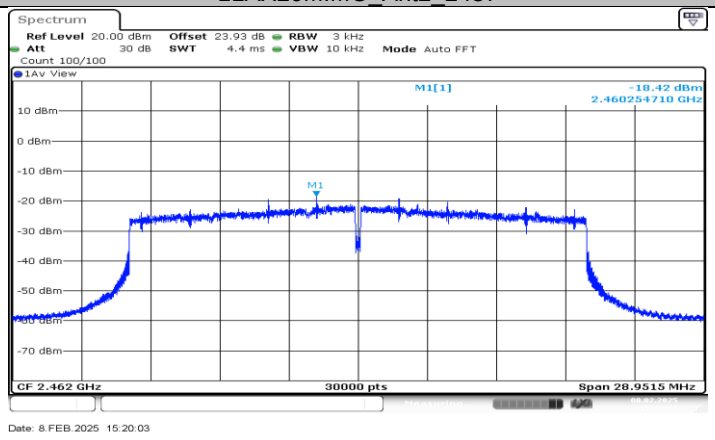
11AX20MIMO_Ant2_2412



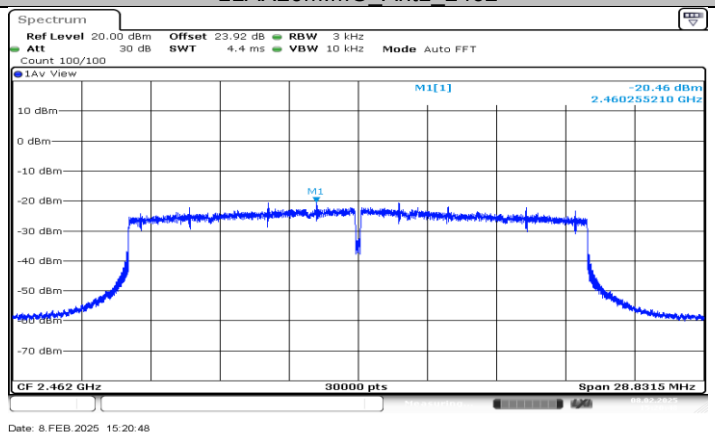
11AX20MIMO_Ant1_2437



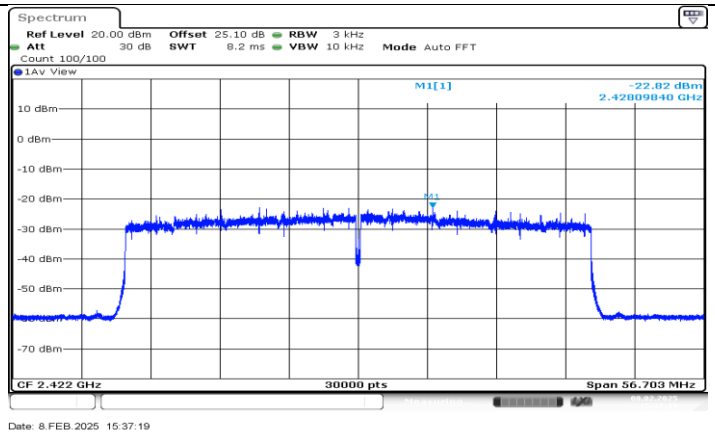
11AX20MIMO_Ant2_2437



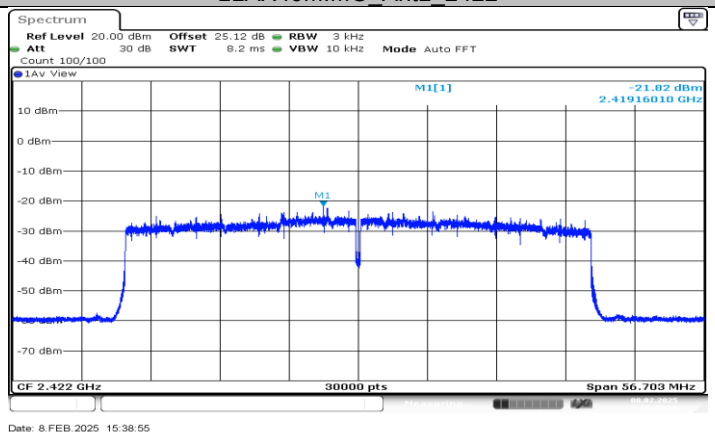
11AX20MIMO_Ant1_2462



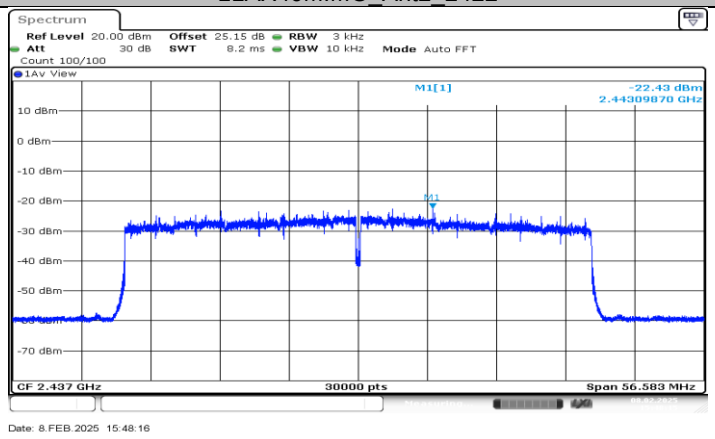
11AX20MIMO_Ant2_2462



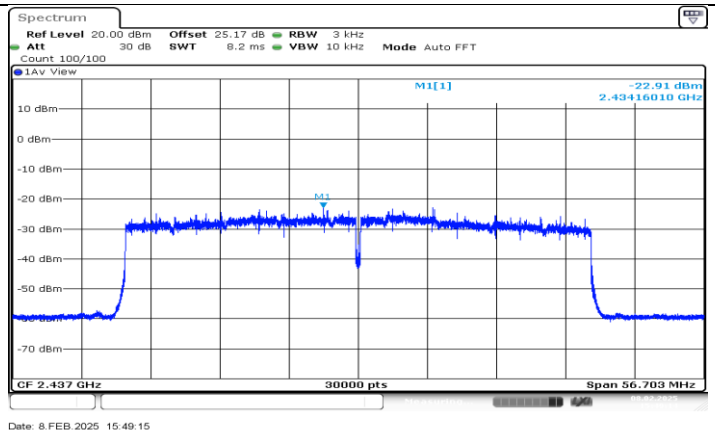
11AX40MIMO_Ant1_2422



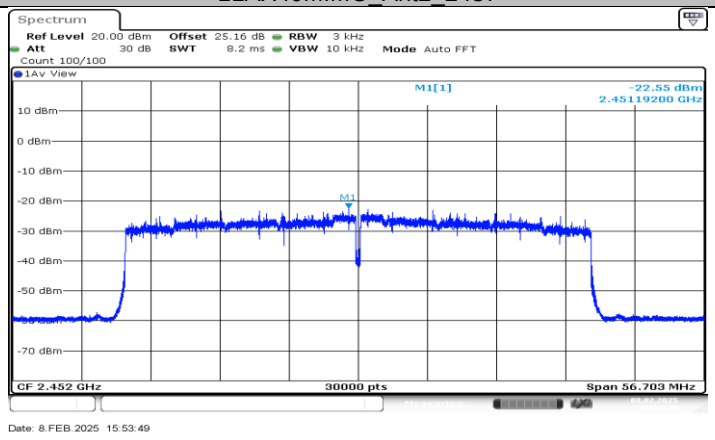
11AX40MIMO_Ant2_2422



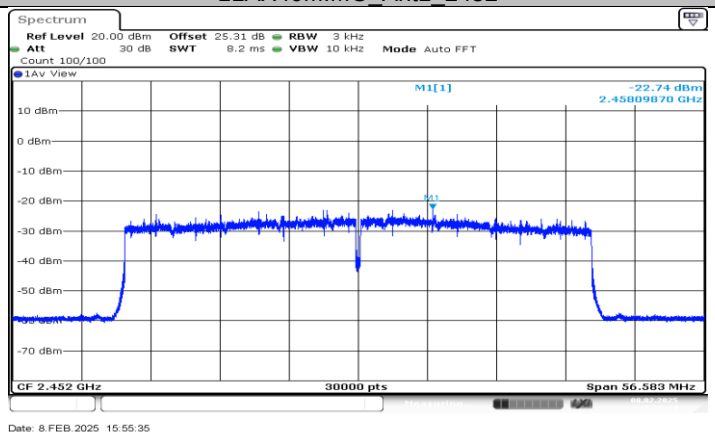
11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



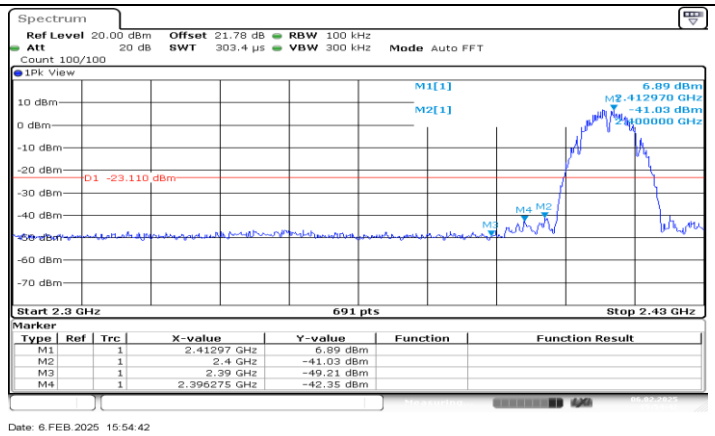
11AX40MIMO_Ant2_2452

11.5. APPENDIX E: BAND EDGE MEASUREMENTS

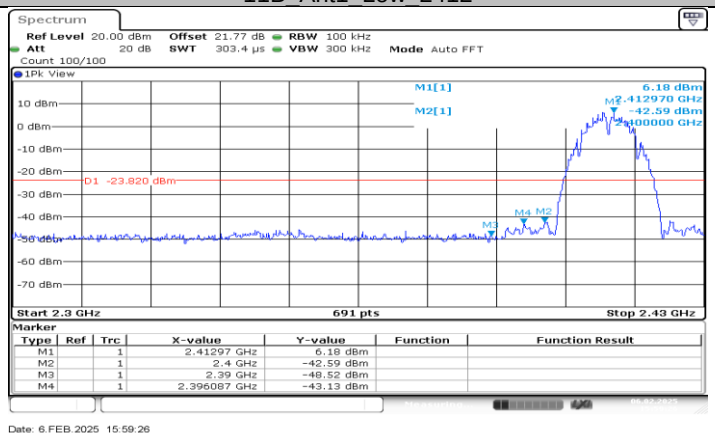
11.5.1. Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.89	-42.35	≤-23.11	PASS
	Ant2	Low	2412	6.18	-43.13	≤-23.82	PASS
	Ant1	High	2462	6.68	-46.56	≤-23.32	PASS
	Ant2	High	2462	6.43	-47.21	≤-23.57	PASS
11G	Ant1	Low	2412	4.57	-38.66	≤-25.43	PASS
	Ant2	Low	2412	4.43	-39.15	≤-25.57	PASS
	Ant1	High	2462	1.70	-45.76	≤-28.3	PASS
	Ant2	High	2462	3.64	-45.78	≤-26.36	PASS
11N20MIMO	Ant1	Low	2412	5.04	-36.75	≤-24.96	PASS
	Ant2	Low	2412	2.54	-38.27	≤-27.46	PASS
	Ant1	High	2462	1.43	-44.07	≤-28.57	PASS
	Ant2	High	2462	1.75	-44.55	≤-28.25	PASS
11N40MIMO	Ant1	Low	2422	-0.23	-39.88	≤-30.23	PASS
	Ant2	Low	2422	0.86	-40.49	≤-29.14	PASS
	Ant1	High	2452	1.04	-44.96	≤-28.96	PASS
	Ant2	High	2452	1.01	-45.24	≤-28.99	PASS
11AX20MIMO	Ant1	Low	2412	1.82	-45.15	≤-28.18	PASS
	Ant2	Low	2412	0.13	-43.96	≤-29.87	PASS
	Ant1	High	2462	2.30	-44.99	≤-27.7	PASS
	Ant2	High	2462	-0.46	-45.79	≤-30.46	PASS
11AX40MIMO	Ant1	Low	2422	-1.15	-41.71	≤-31.15	PASS
	Ant2	Low	2422	-1.18	-42.65	≤-31.18	PASS
	Ant1	High	2452	-0.60	-45.29	≤-30.6	PASS
	Ant2	High	2452	-1.16	-45.55	≤-31.16	PASS

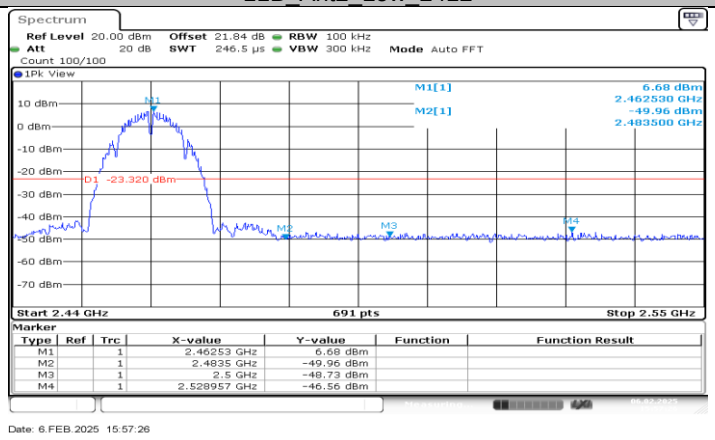
11.5.2. Test Graphs



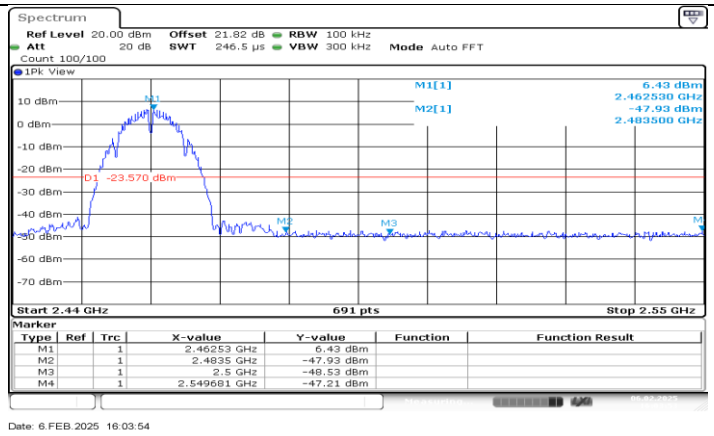
11B_Ant1_Low_2412



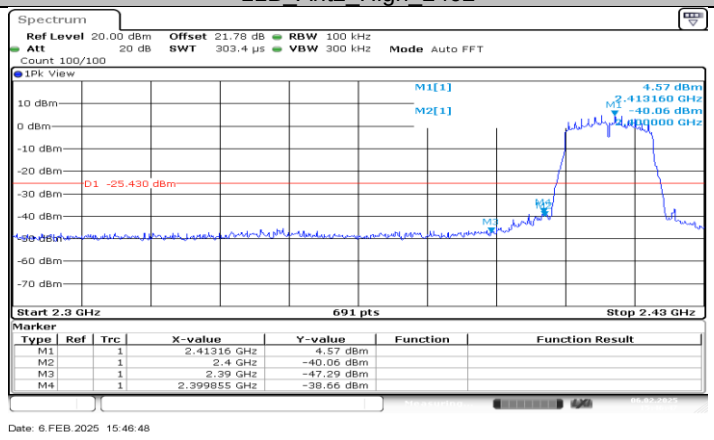
11B_Ant2_Low_2412



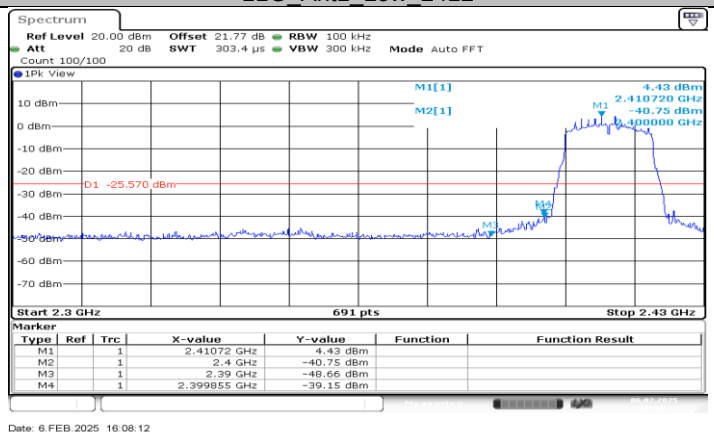
11B_Ant1_High_2462



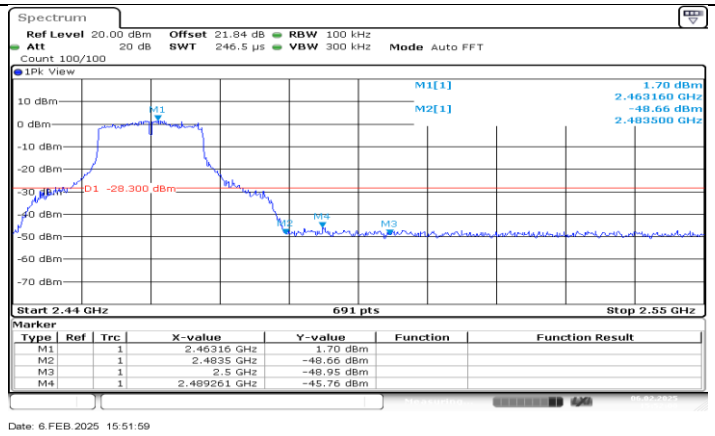
11B_Ant2_High_2462



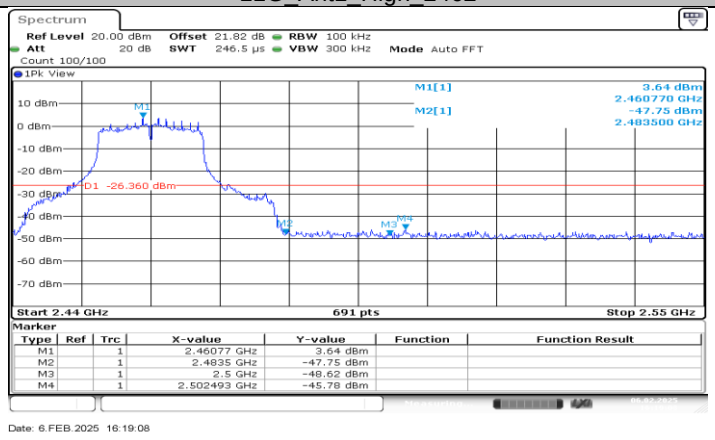
11G_Ant1_Low_2412



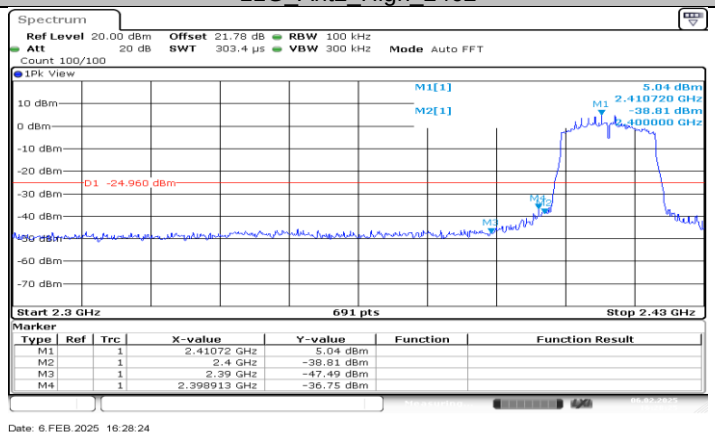
11G_Ant2_Low_2412



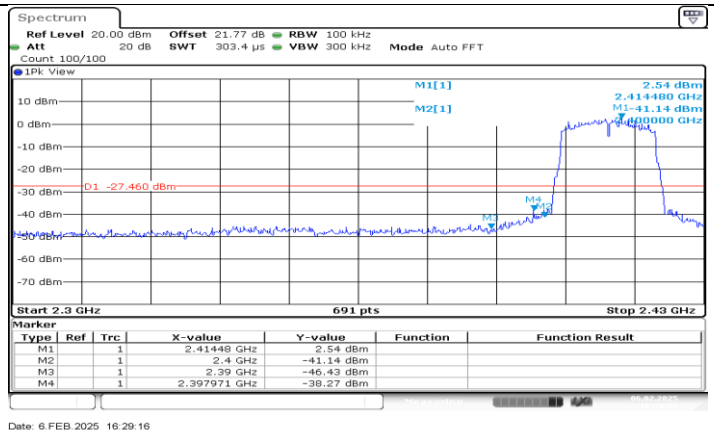
11G_Ant1_High_2462



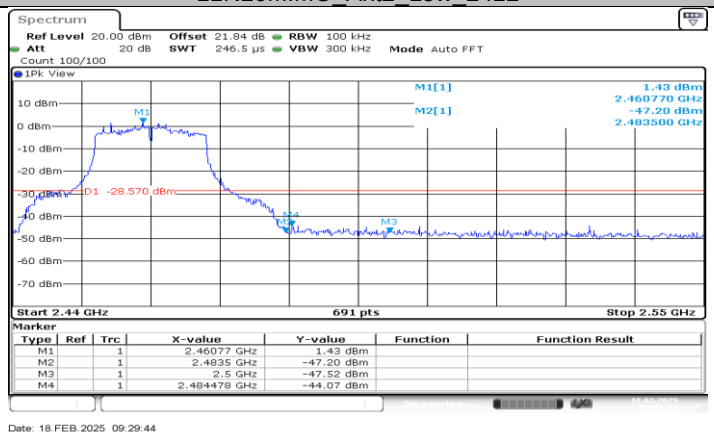
11G_Ant2_High_2462



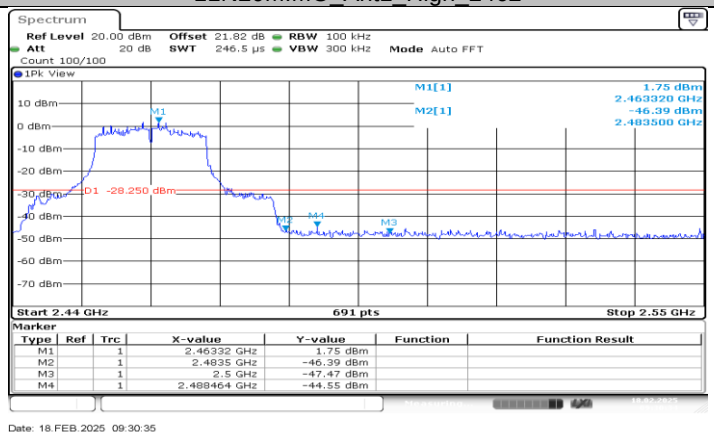
11N20MIMO_Ant1_Low_2412



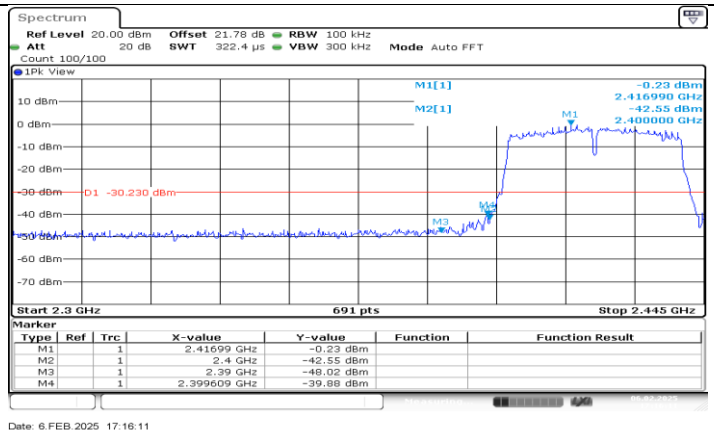
11N20MIMO_Ant2_Low_2412



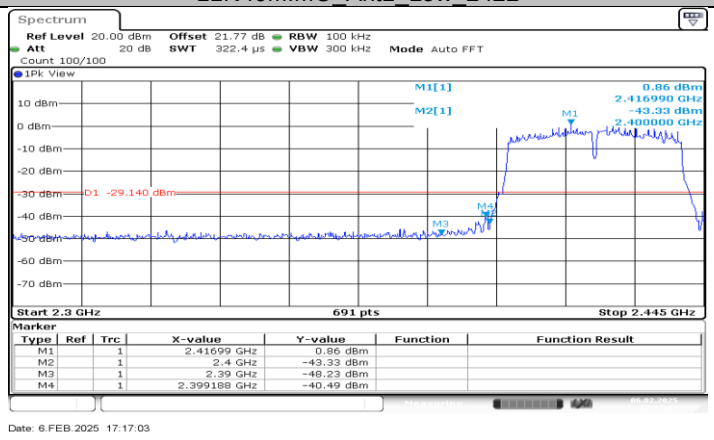
11N20MIMO_Ant1_High_2462



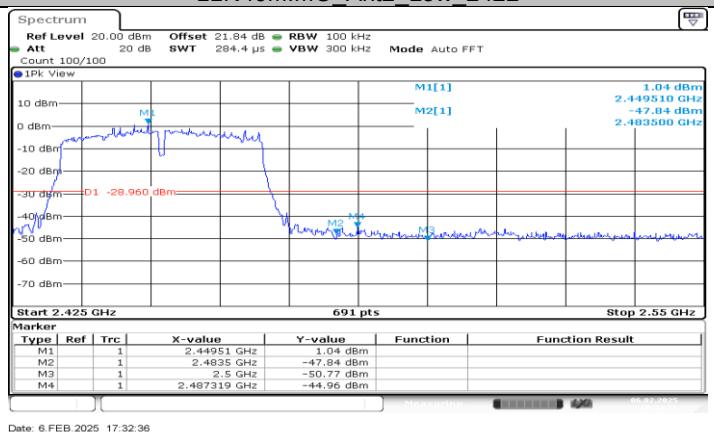
11N20MIMO_Ant2_High_2462



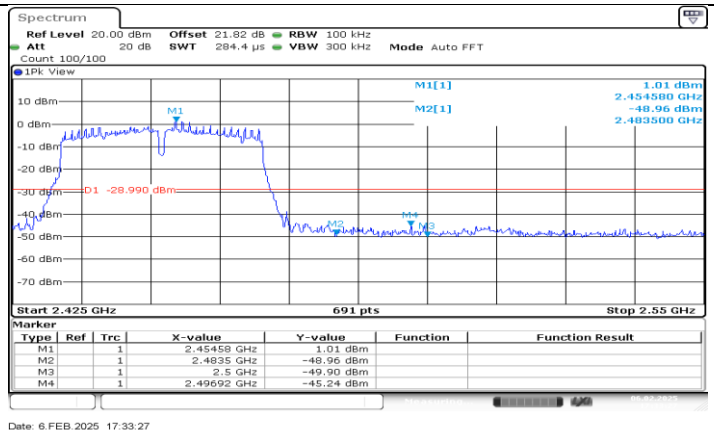
11N40MIMO_Ant1_Low_2422



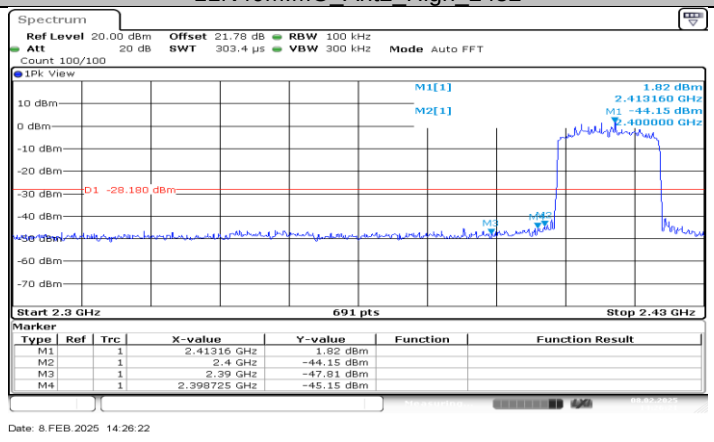
11N40MIMO_Ant2_Low_2422



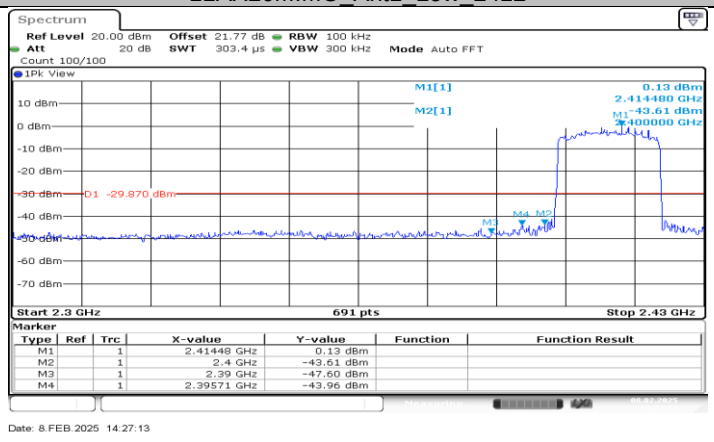
11N40MIMO_Ant1_High_2452



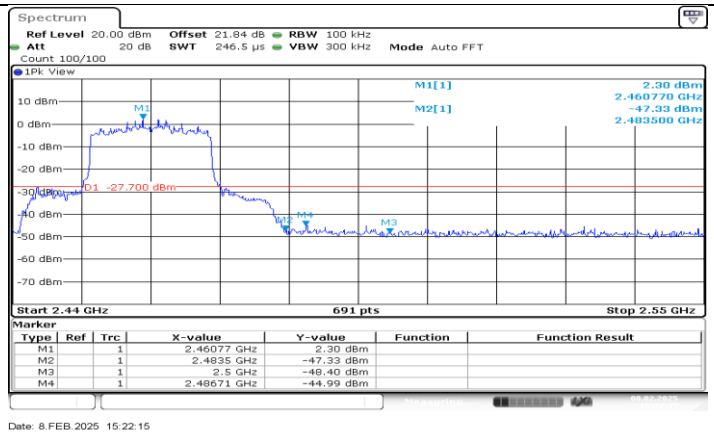
11N40MIMO_Ant2_High_2452



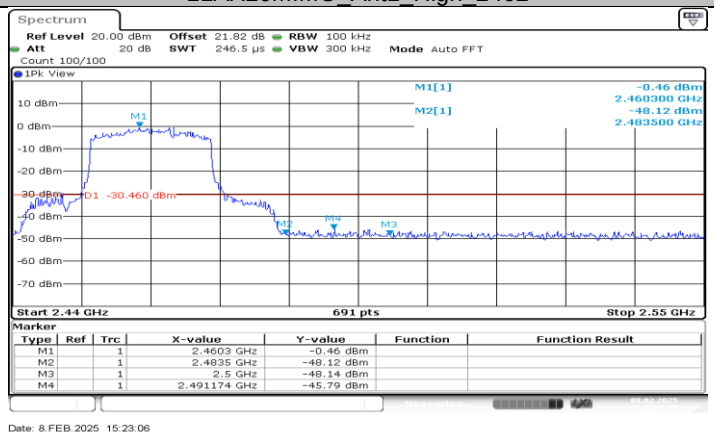
11AX20MIMO_Ant1_Low_2412



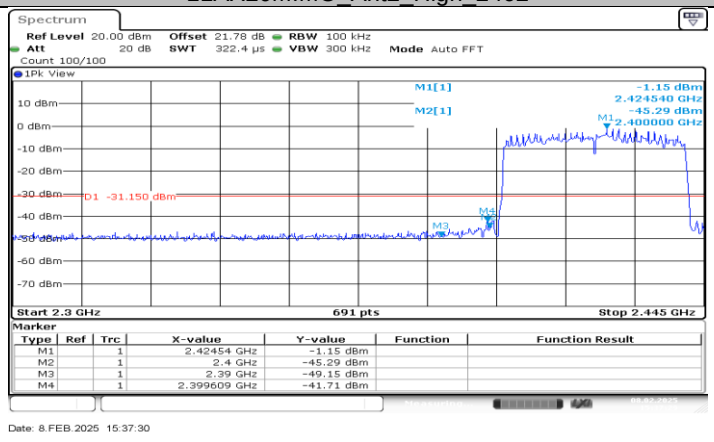
11AX20MIMO_Ant2_Low_2412



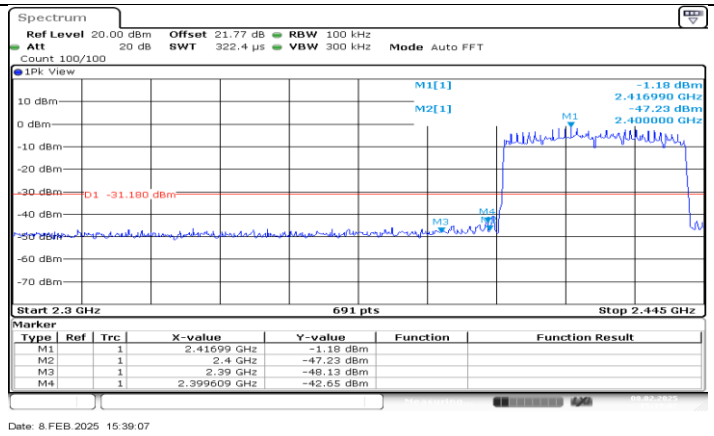
11AX20MIMO_Ant1_High_2462



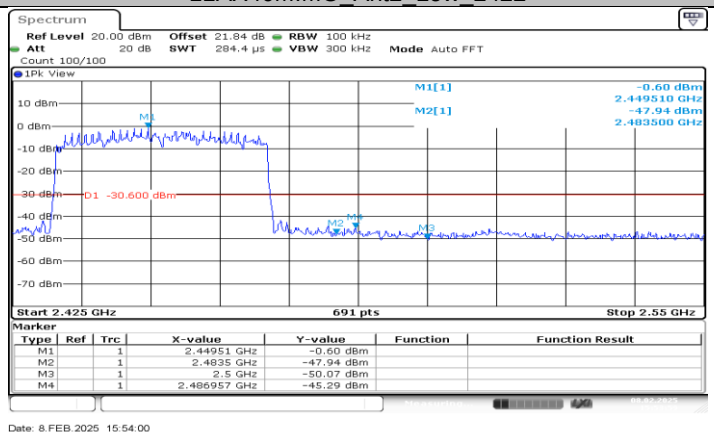
11AX20MIMO_Ant2_High_2462



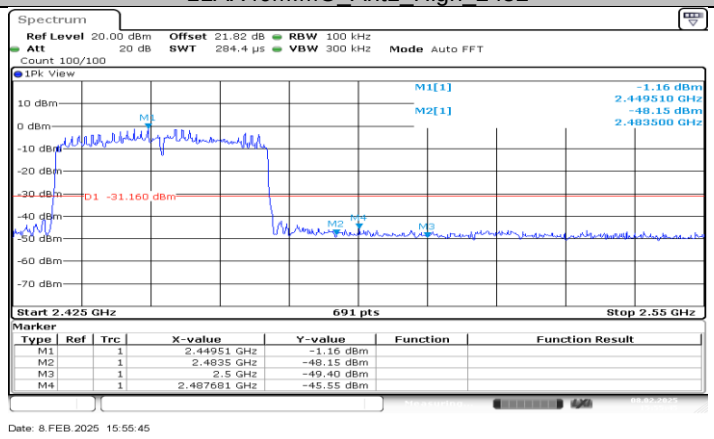
11AX40MIMO_Ant1_Low_2422



11AX40MIMO_Ant2_Low_2422



11AX40MIMO_Ant1_High_2452



11AX40MIMO_Ant2_High_2452

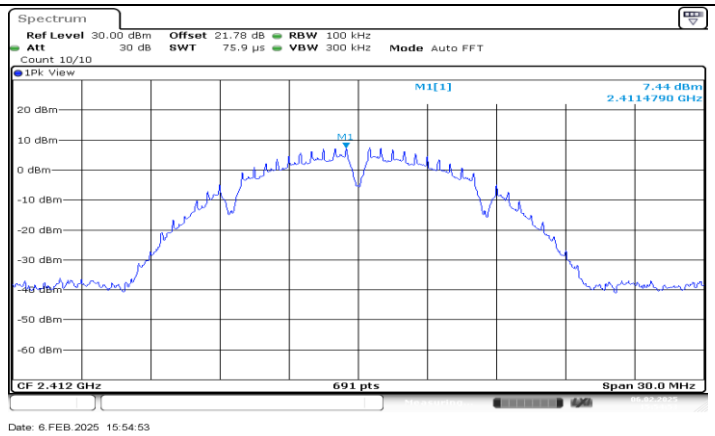
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

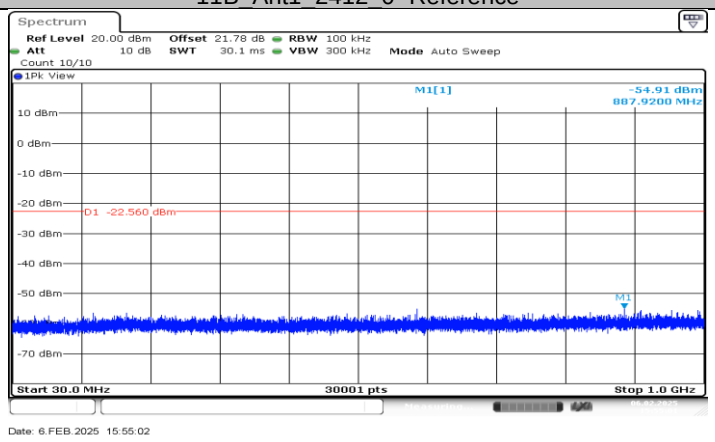
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.44	---	PASS
			30~1000	-54.91	≤-22.56	PASS
			1000~26500	-50.59	≤-22.56	PASS
	Ant2	2412	Reference	6.82	---	PASS
			30~1000	-55.58	≤-23.18	PASS
			1000~26500	-50.24	≤-23.18	PASS
	Ant1	2437	Reference	7.06	---	PASS
			30~1000	-55.52	≤-22.94	PASS
			1000~26500	-50.25	≤-22.94	PASS
	Ant2	2437	Reference	6.47	---	PASS
			30~1000	-55.48	≤-23.53	PASS
			1000~26500	-50.2	≤-23.53	PASS
	Ant1	2462	Reference	7.29	---	PASS
			30~1000	-56	≤-22.71	PASS
			1000~26500	-50.3	≤-22.71	PASS
	Ant2	2462	Reference	6.47	---	PASS
			30~1000	-56.03	≤-23.53	PASS
			1000~26500	-51.25	≤-23.53	PASS
11G	Ant1	2412	Reference	4.87	---	PASS
			30~1000	-56.01	≤-25.13	PASS
			1000~26500	-50.72	≤-25.13	PASS
	Ant2	2412	Reference	4.28	---	PASS
			30~1000	-55.28	≤-25.72	PASS
			1000~26500	-50.67	≤-25.72	PASS
	Ant1	2437	Reference	4.57	---	PASS
			30~1000	-55.48	≤-25.43	PASS
			1000~26500	-50.46	≤-25.43	PASS
	Ant2	2437	Reference	3.40	---	PASS
			30~1000	-55.47	≤-26.6	PASS
			1000~26500	-50.31	≤-26.6	PASS
	Ant1	2462	Reference	4.39	---	PASS
			30~1000	-55.61	≤-25.61	PASS
			1000~26500	-50.46	≤-25.61	PASS
	Ant2	2462	Reference	4.13	---	PASS
			30~1000	-54.94	≤-25.87	PASS
			1000~26500	-50.88	≤-25.87	PASS
11N20MIMO	Ant1	2412	Reference	2.80	---	PASS
			30~1000	-55.21	≤-27.2	PASS
			1000~26500	-49.72	≤-27.2	PASS
	Ant2	2412	Reference	4.44	---	PASS
			30~1000	-55.12	≤-25.56	PASS
			1000~26500	-50.24	≤-25.56	PASS
	Ant1	2437	Reference	3.75	---	PASS
			30~1000	-50.07	≤-16.25	PASS
			1000~26500	-43.87	≤-16.25	PASS
	Ant2	2437	Reference	2.04	---	PASS
			30~1000	-50.22	≤-17.96	PASS
			1000~26500	-43.73	≤-17.96	PASS
	Ant1	2462	Reference	3.46	---	PASS
			30~1000	-49.41	≤-16.54	PASS
			1000~26500	-43.6	≤-16.54	PASS
	Ant2	2462	Reference	2.15	---	PASS
			30~1000	-49.85	≤-17.85	PASS
			1000~26500	-43.13	≤-17.85	PASS
11N40MIMO	Ant1	2422	Reference	1.85	---	PASS

			30~1000	-56.04	≤-28.15	PASS
			1000~26500	-49.37	≤-28.15	PASS
	Ant2	2422	Reference	0.91	---	PASS
			30~1000	-55.53	≤-29.09	PASS
			1000~26500	-50.4	≤-29.09	PASS
	Ant1	2437	Reference	1.41	---	PASS
			30~1000	-55.3	≤-28.59	PASS
			1000~26500	-50.33	≤-28.59	PASS
	Ant2	2437	Reference	1.25	---	PASS
			30~1000	-54.96	≤-28.75	PASS
			1000~26500	-49.85	≤-28.75	PASS
	Ant1	2452	Reference	1.26	---	PASS
			30~1000	-55.69	≤-28.74	PASS
			1000~26500	-50.75	≤-28.74	PASS
	Ant2	2452	Reference	0.91	---	PASS
			30~1000	-55.35	≤-29.09	PASS
			1000~26500	-49.55	≤-29.09	PASS
11AX20MIMO	Ant1	2412	Reference	2.09	---	PASS
			30~1000	-55.08	≤-27.91	PASS
			1000~26500	-50.86	≤-27.91	PASS
	Ant2	2412	Reference	1.35	---	PASS
			30~1000	-55.88	≤-28.65	PASS
			1000~26500	-50.07	≤-28.65	PASS
	Ant1	2437	Reference	1.45	---	PASS
			30~1000	-55.44	≤-28.55	PASS
			1000~26500	-49.8	≤-28.55	PASS
	Ant2	2437	Reference	-0.25	---	PASS
			30~1000	-55.78	≤-30.25	PASS
			1000~26500	-50.74	≤-30.25	PASS
	Ant1	2462	Reference	2.39	---	PASS
			30~1000	-55.17	≤-27.61	PASS
			1000~26500	-49.81	≤-27.61	PASS
	Ant2	2462	Reference	1.56	---	PASS
			30~1000	-55.2	≤-28.44	PASS
			1000~26500	-50.63	≤-28.44	PASS
11AX40MIMO	Ant1	2422	Reference	-0.96	---	PASS
			30~1000	-55.75	≤-30.96	PASS
			1000~26500	-50.32	≤-30.96	PASS
	Ant2	2422	Reference	-0.84	---	PASS
			30~1000	-55.46	≤-30.84	PASS
			1000~26500	-50.35	≤-30.84	PASS
	Ant1	2437	Reference	-1.27	---	PASS
			30~1000	-54.93	≤-31.27	PASS
			1000~26500	-50.32	≤-31.27	PASS
	Ant2	2437	Reference	-0.91	---	PASS
			30~1000	-55.74	≤-30.91	PASS
			1000~26500	-50.81	≤-30.91	PASS
	Ant1	2452	Reference	-0.66	---	PASS
			30~1000	-55.82	≤-30.66	PASS
			1000~26500	-50.72	≤-30.66	PASS
	Ant2	2452	Reference	-1.48	---	PASS
			30~1000	-55.16	≤-31.48	PASS
			1000~26500	-50.16	≤-31.48	PASS

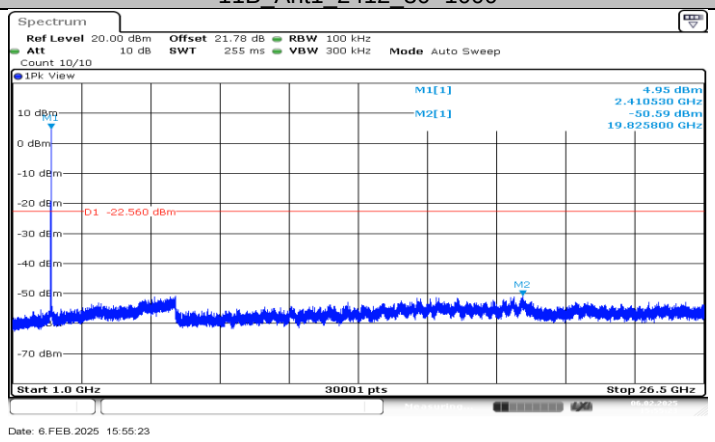
11.6.2. Test Graphs



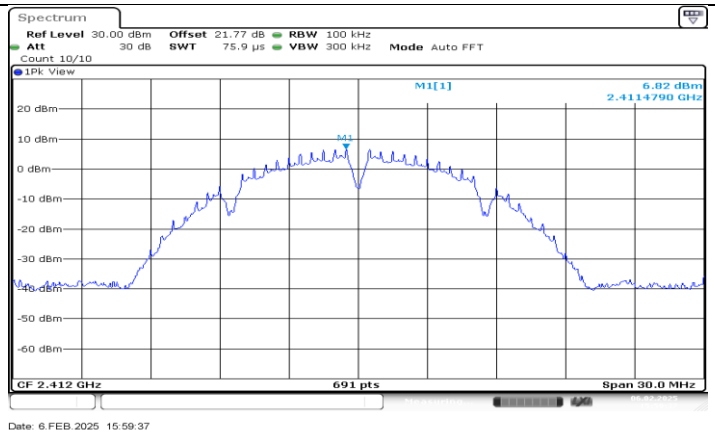
11B_Ant1_2412_0~Reference



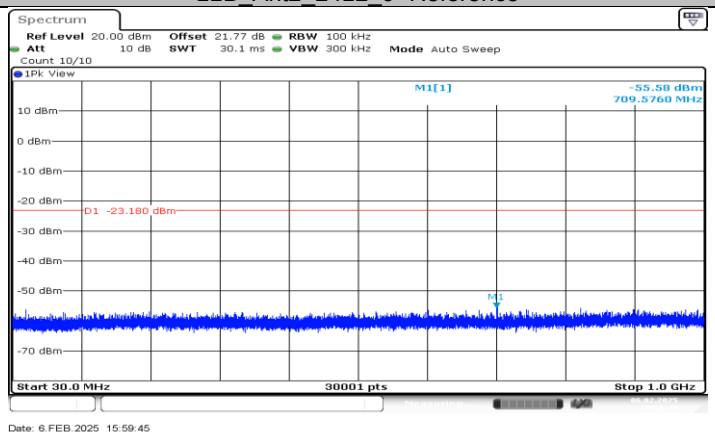
11B_Ant1_2412_30~1000



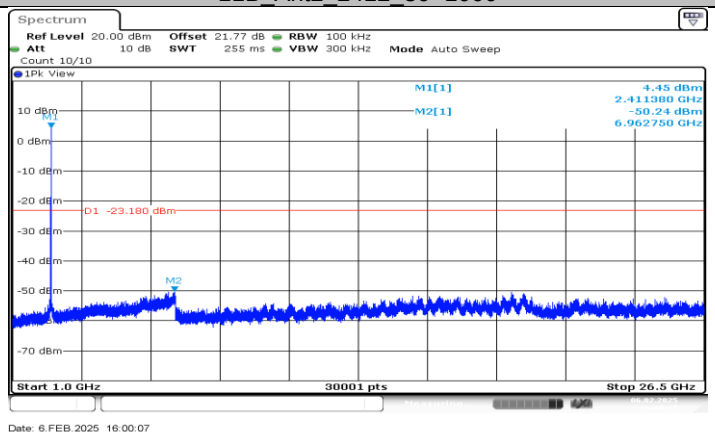
11B_Ant1_2412_1000~26500



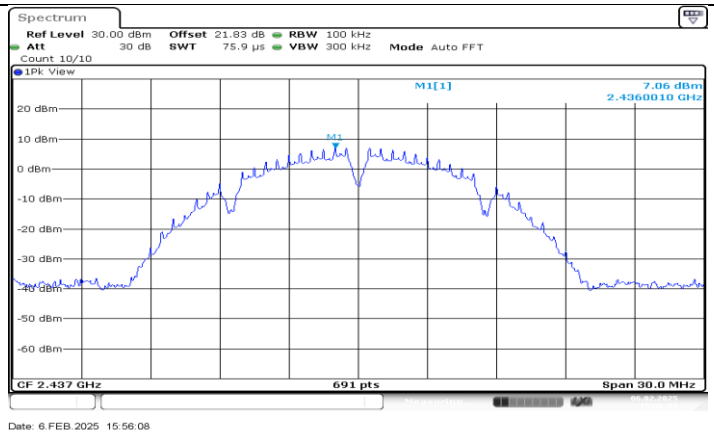
11B_Ant2_2412_0~Reference



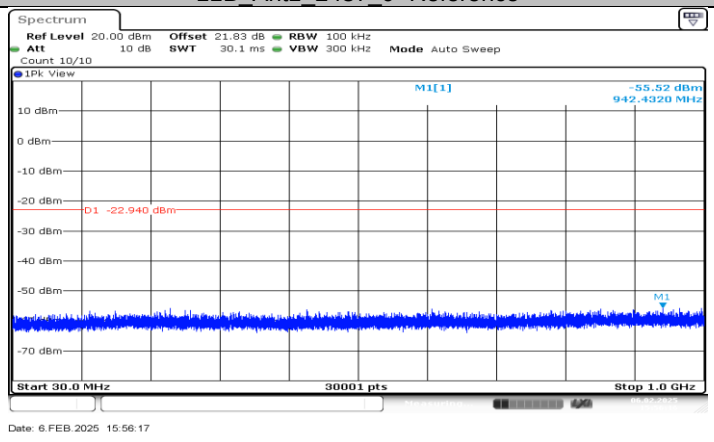
11B_Ant2_2412_30~1000



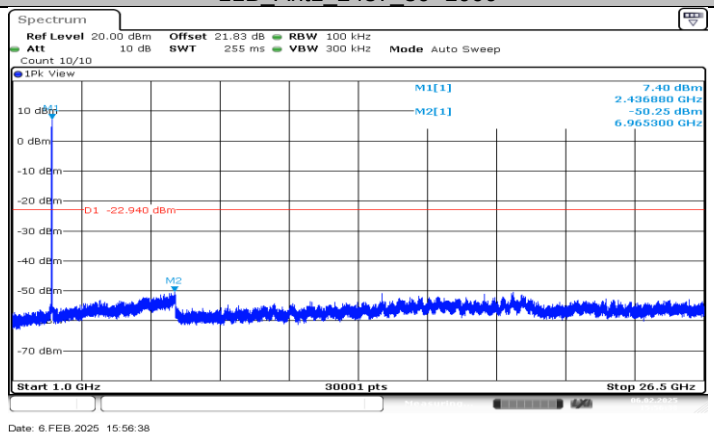
11B_Ant2_2412_1000~26500



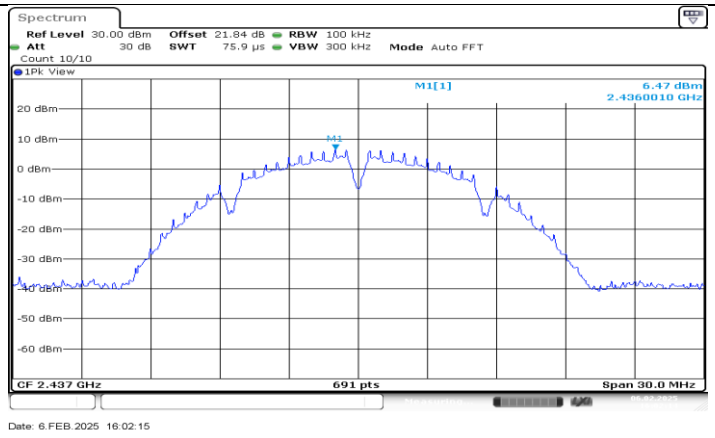
11B_Ant1_2437_0~Reference



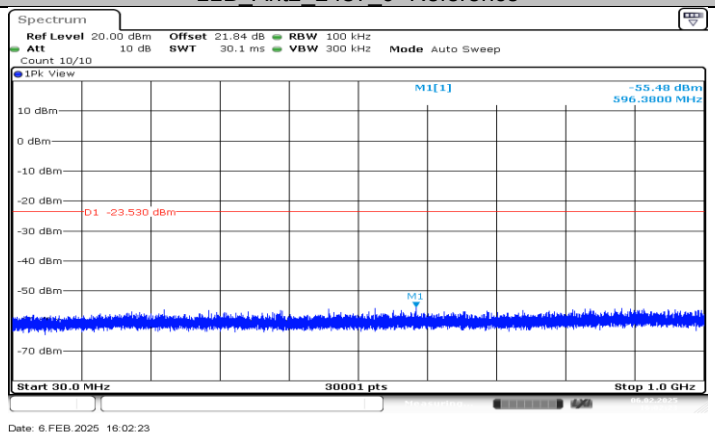
11B_Ant1_2437_30~1000



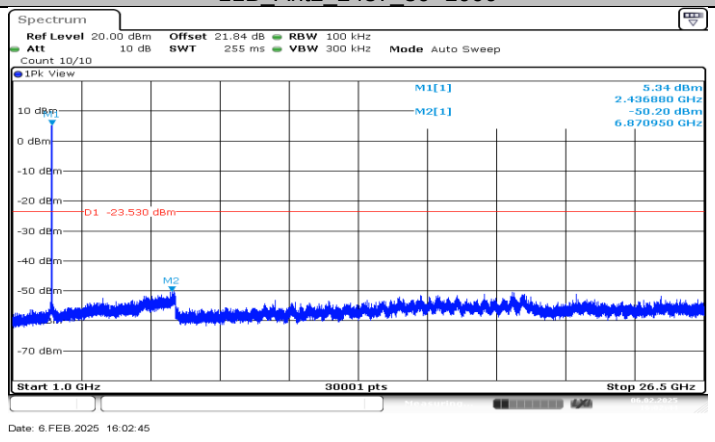
11B_Ant1_2437_1000~26500



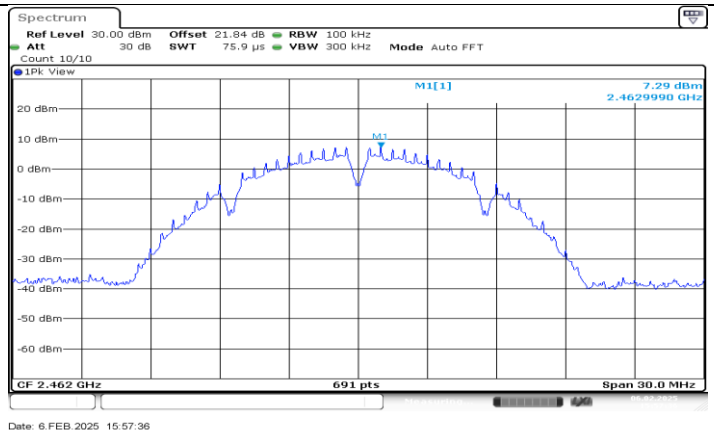
11B_Ant2_2437_0~Reference



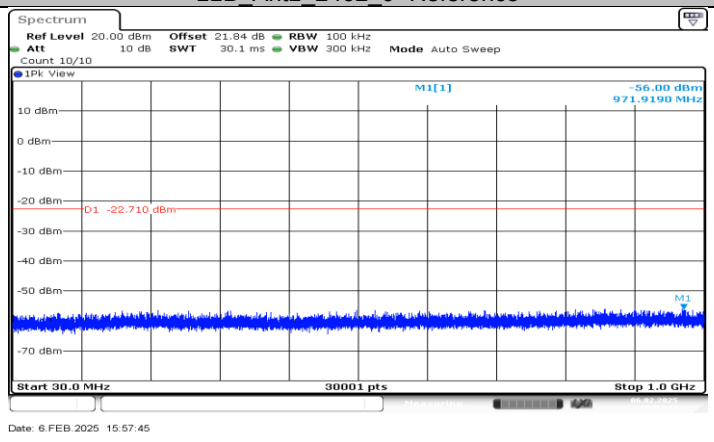
11B_Ant2_2437_30~1000



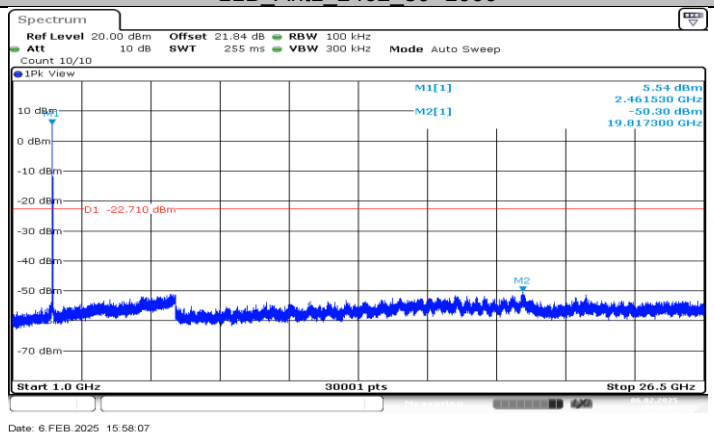
11B_Ant2_2437_1000~26500



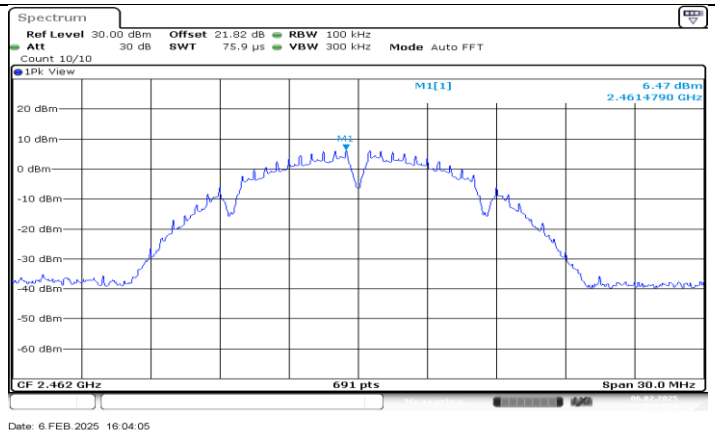
11B_Ant1_2462_0~Reference



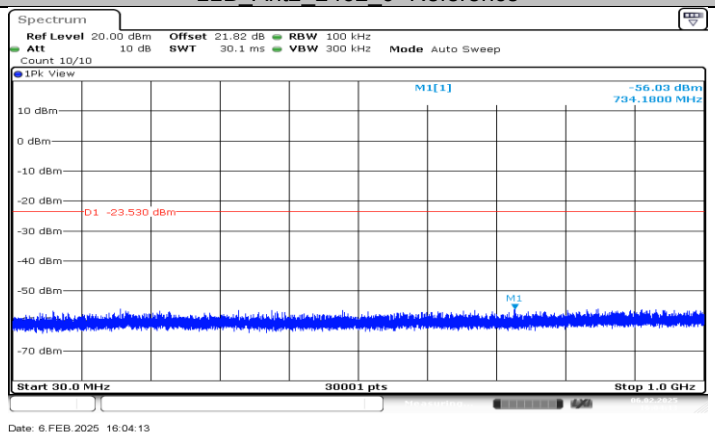
11B_Ant1_2462_30~1000



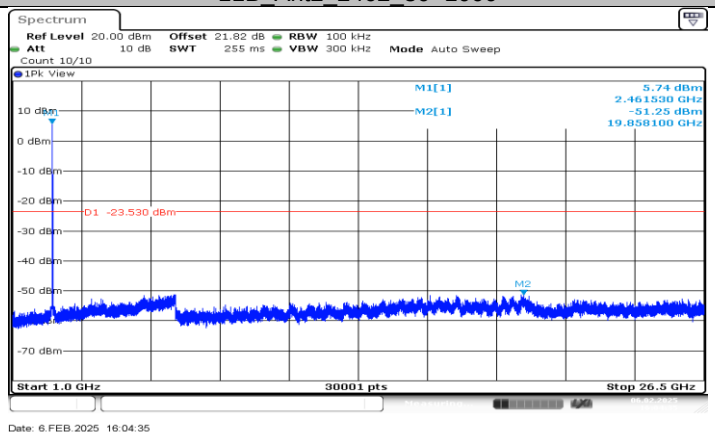
11B_Ant1_2462_1000~26500



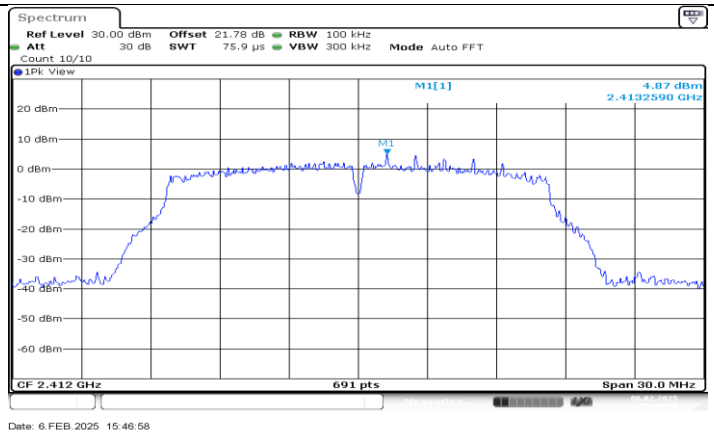
11B_Ant2_2462_0~Reference



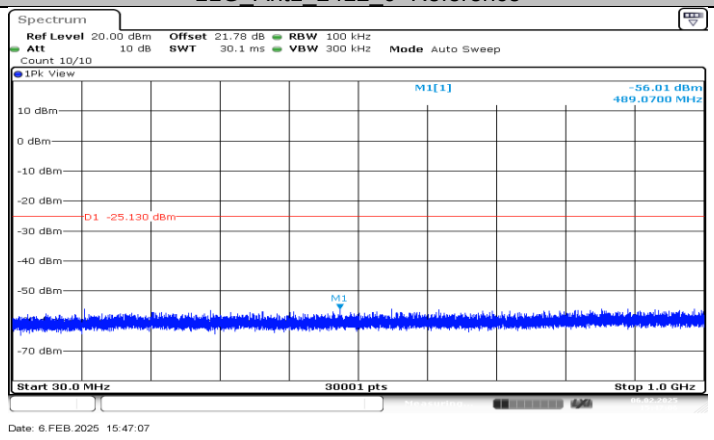
11B_Ant2_2462_30~1000



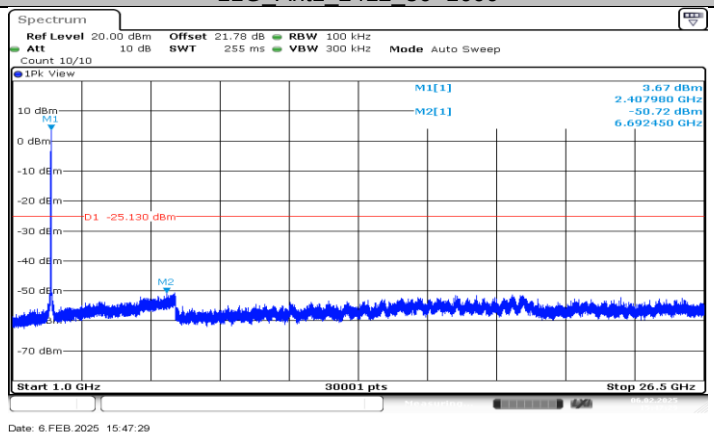
11B_Ant2_2462_1000~26500



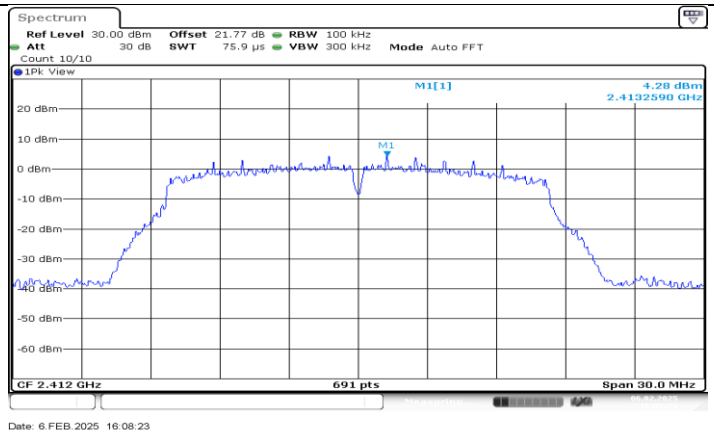
11G_Ant1_2412_0~Reference



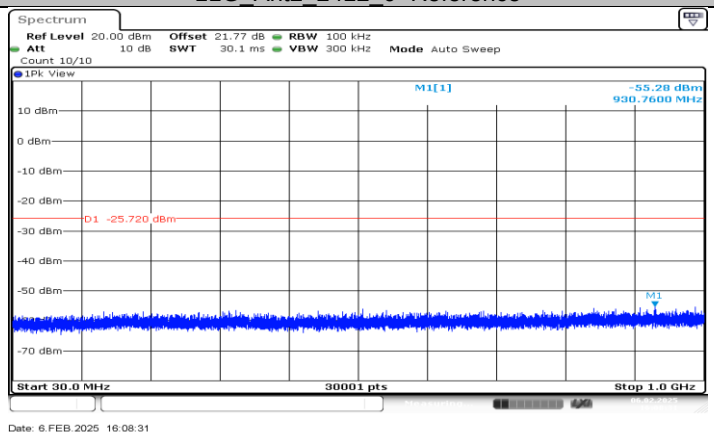
11G_Ant1_2412_30~1000



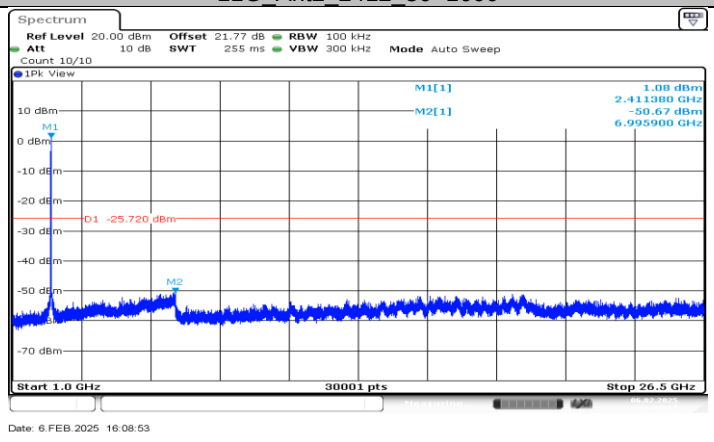
11G_Ant1_2412_1000~26500



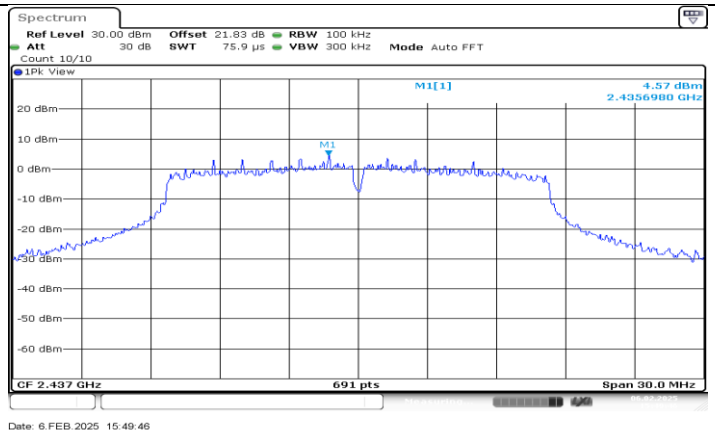
11G_Ant2_2412_0~Reference



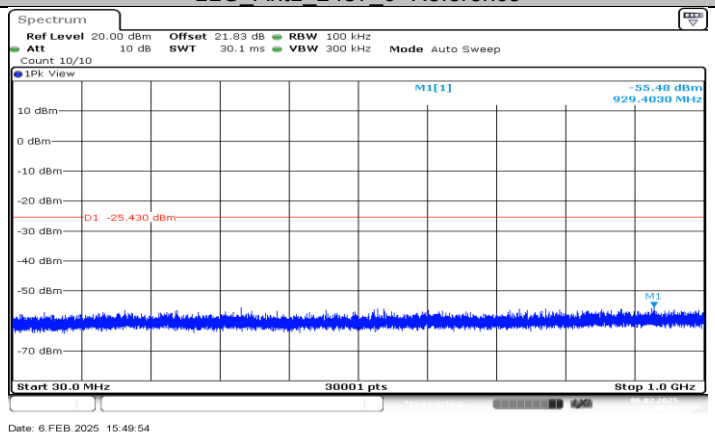
11G_Ant2_2412_30~1000



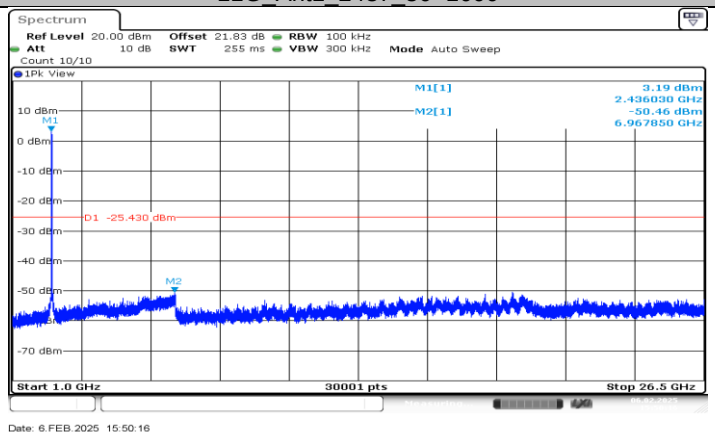
11G_Ant2_2412_1000~26500



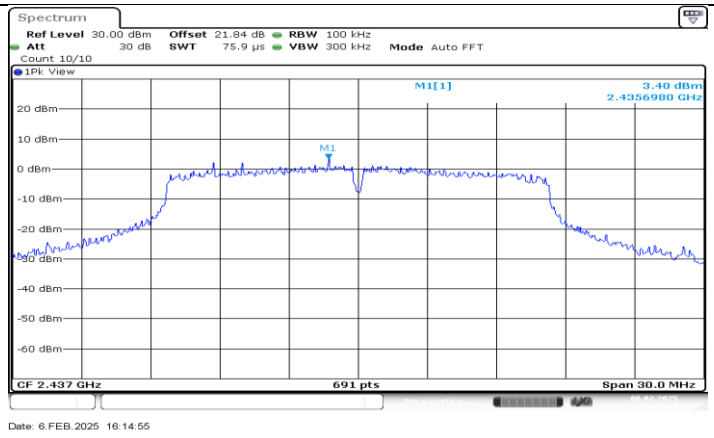
11G_Ant1_2437_0~Reference



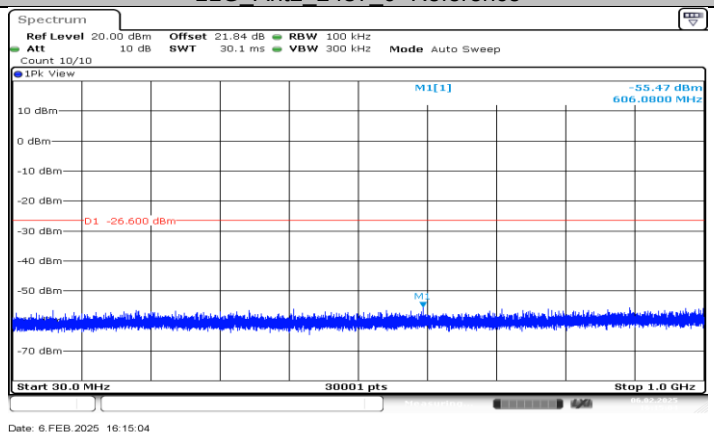
11G_Ant1_2437_30~1000



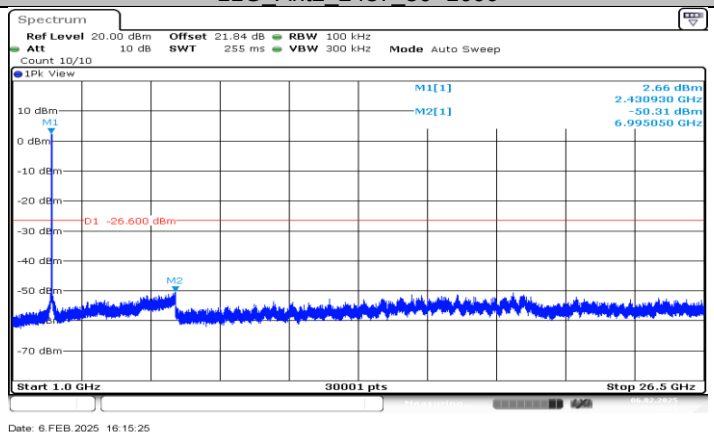
11G_Ant1_2437_1000~26500



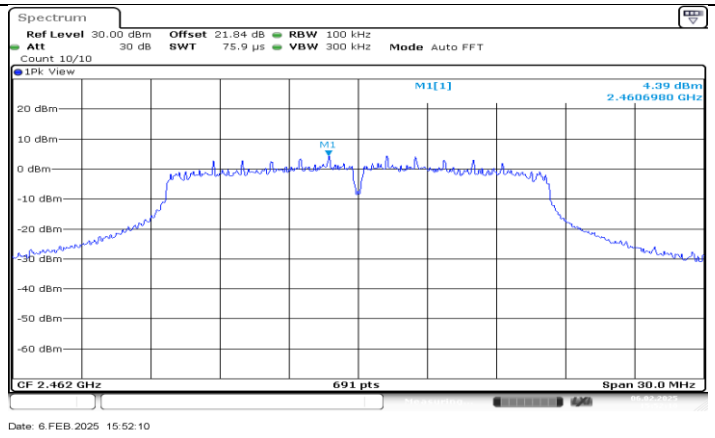
11G_Ant2_2437_0~Reference



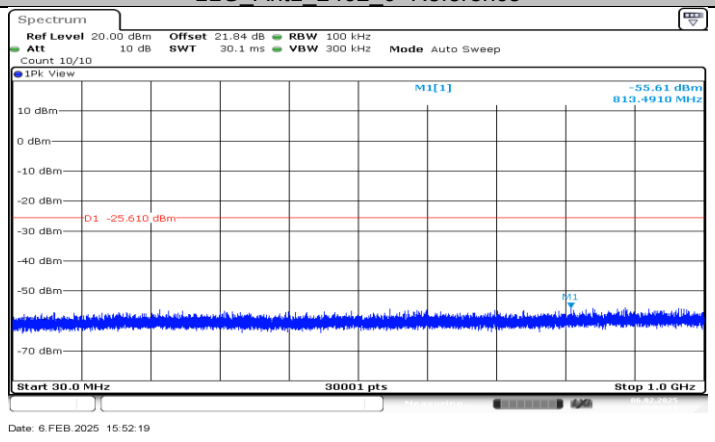
11G_Ant2_2437_30~1000



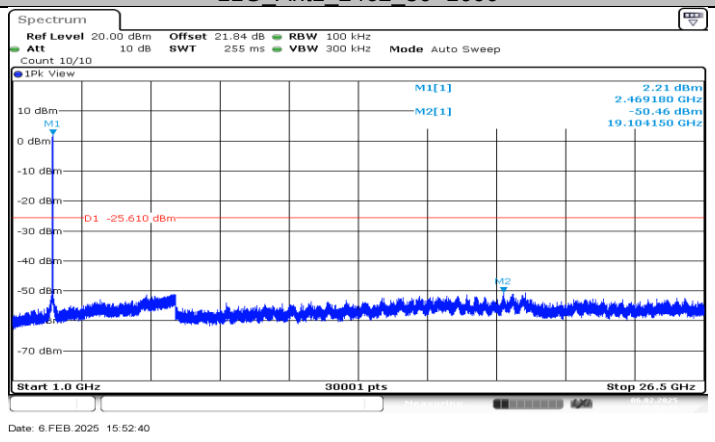
11G_Ant2_2437_1000~26500



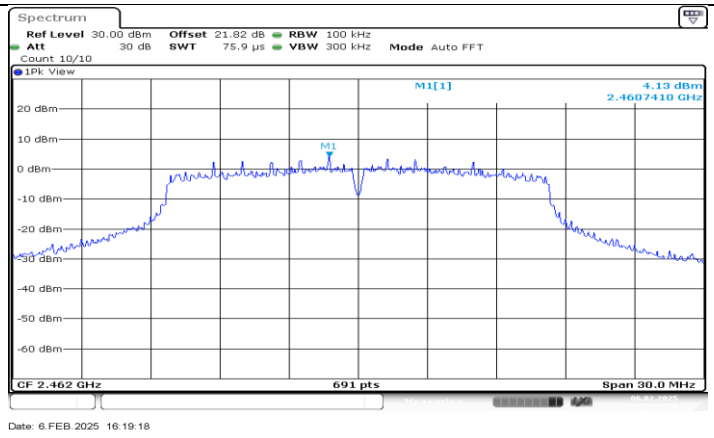
11G_Ant1_2462_0~Reference



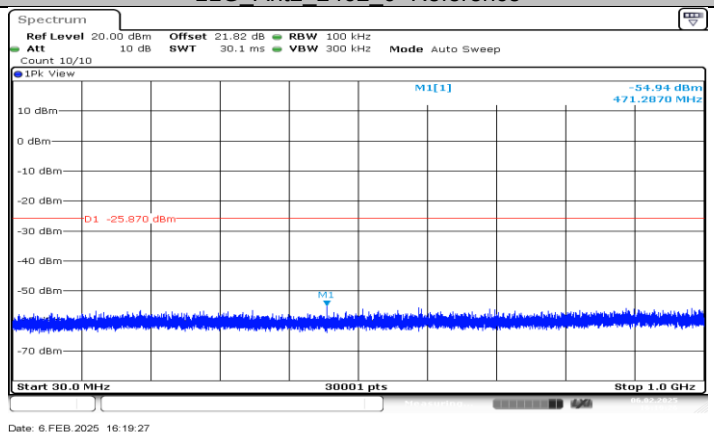
11G_Ant1_2462_30~1000



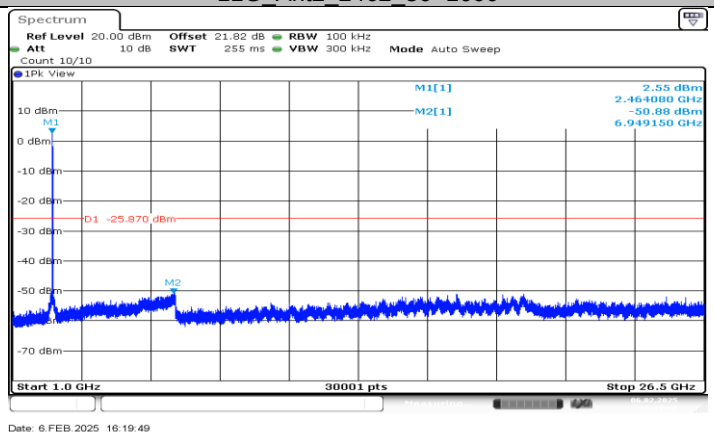
11G_Ant1_2462_1000~26500



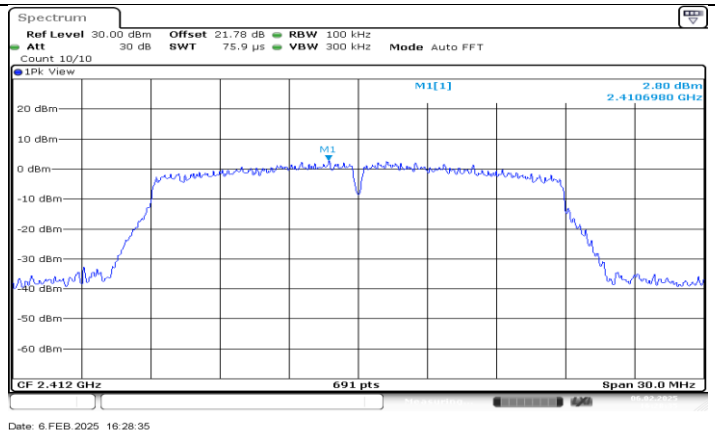
11G_Ant2_2462_0~Reference



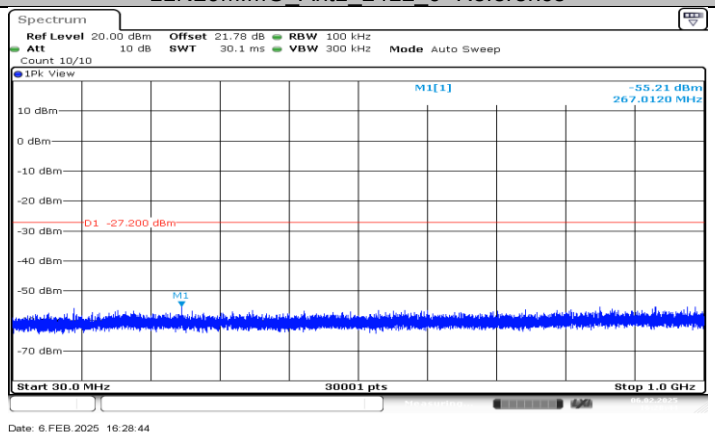
11G_Ant2_2462_30~1000



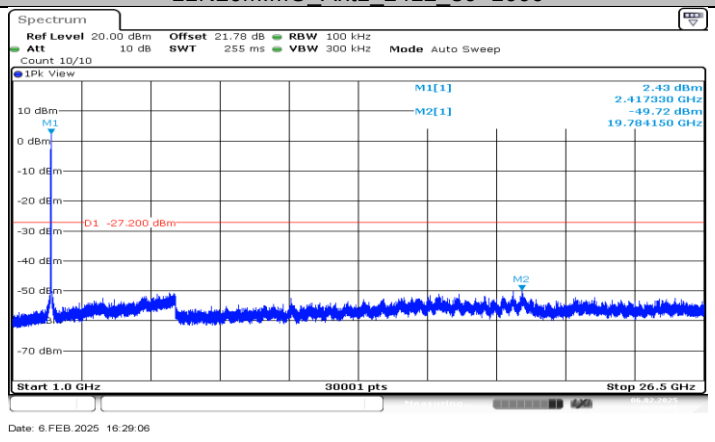
11G_Ant2_2462_1000~26500



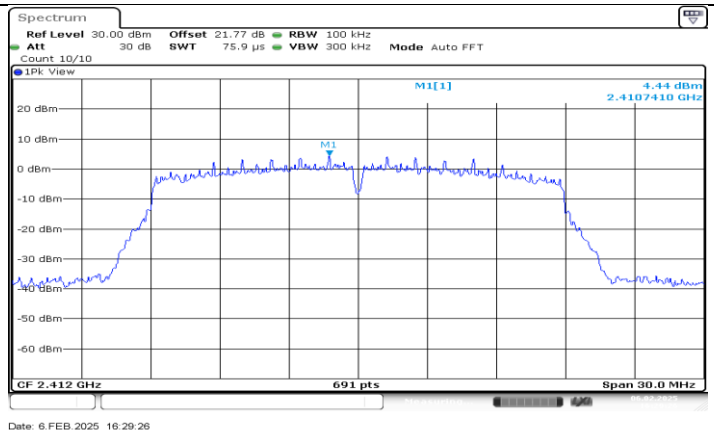
11N20MIMO_Ant1_2412_0~Reference



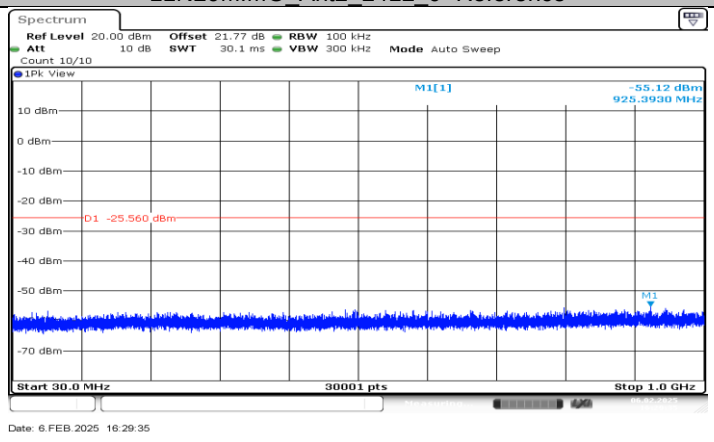
11N20MIMO_Ant1_2412_30~1000



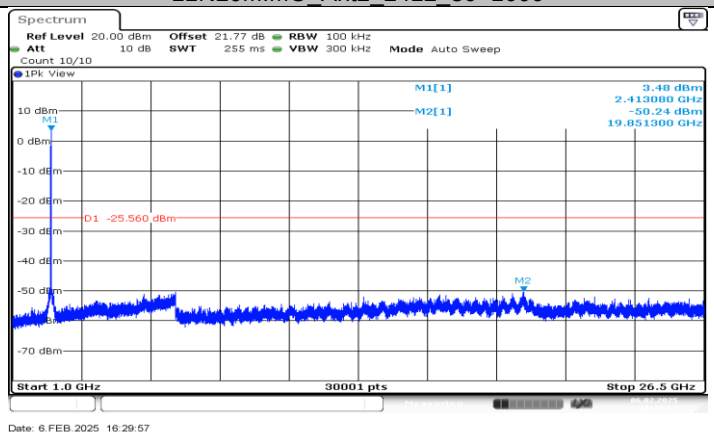
11N20MIMO_Ant1_2412_1000~26500



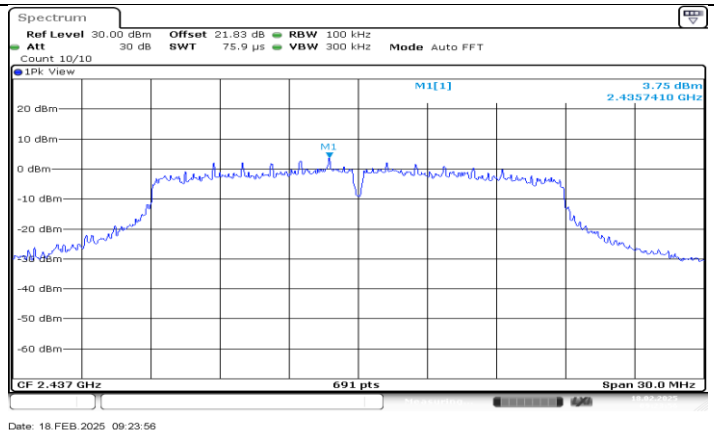
11N20MIMO_Ant2_2412_0~Reference



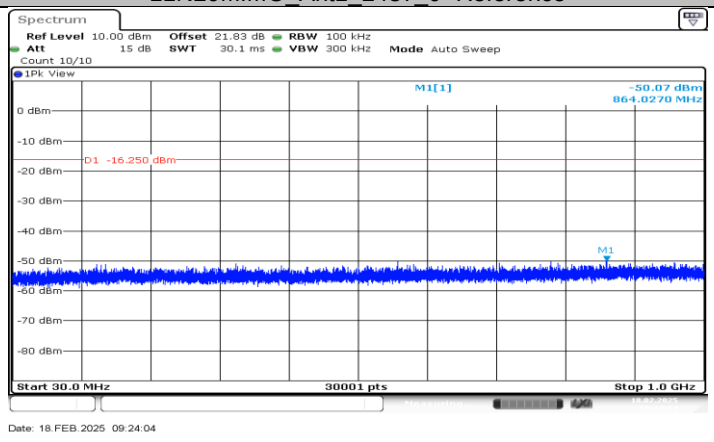
11N20MIMO_Ant2_2412_30~1000



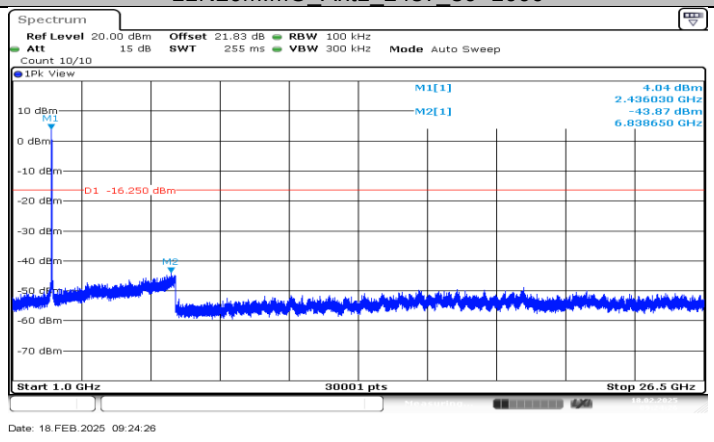
11N20MIMO_Ant2_2412_1000~26500



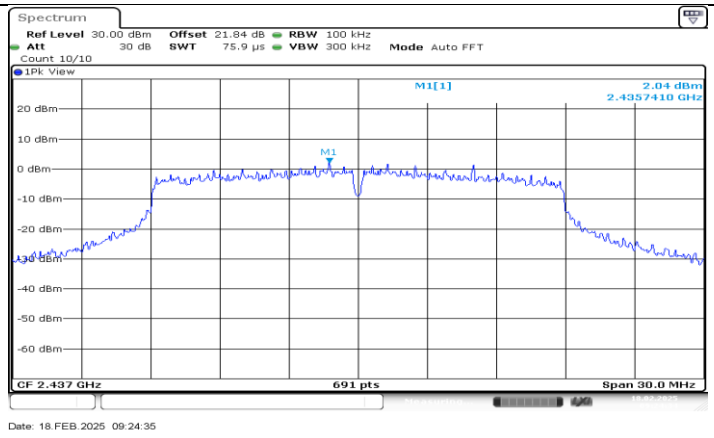
11N20MIMO_Ant1_2437_0~Reference



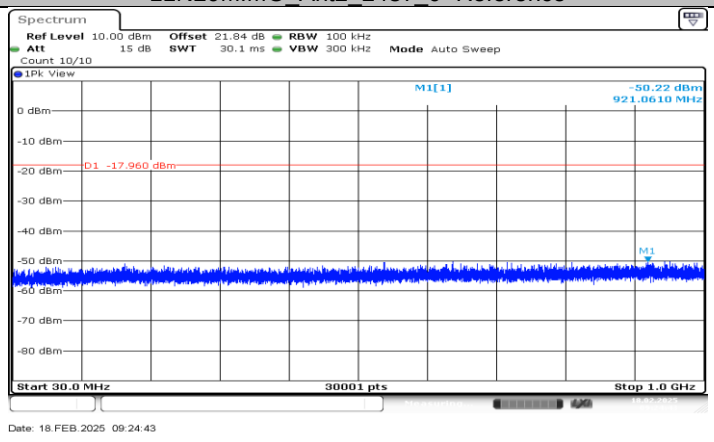
11N20MIMO_Ant1_2437_30~1000



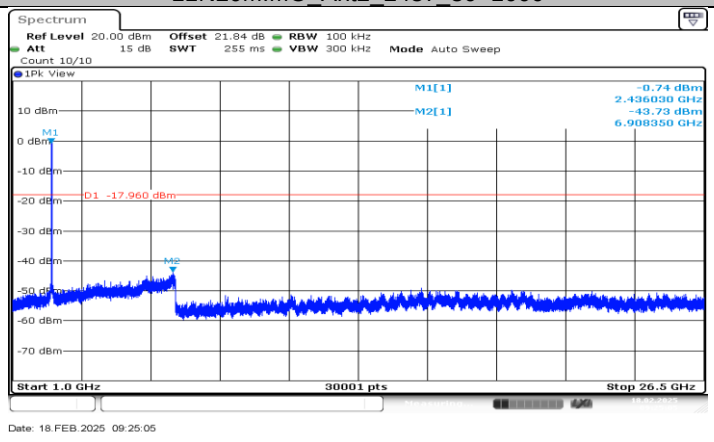
11N20MIMO_Ant1_2437_1000~26500



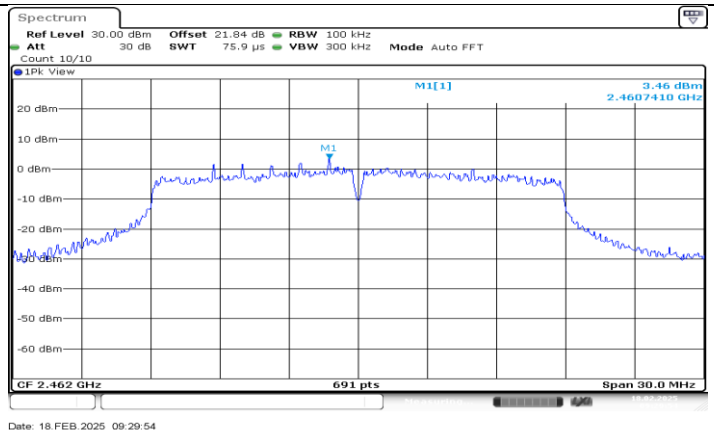
11N20MIMO_Ant2_2437_0~Reference



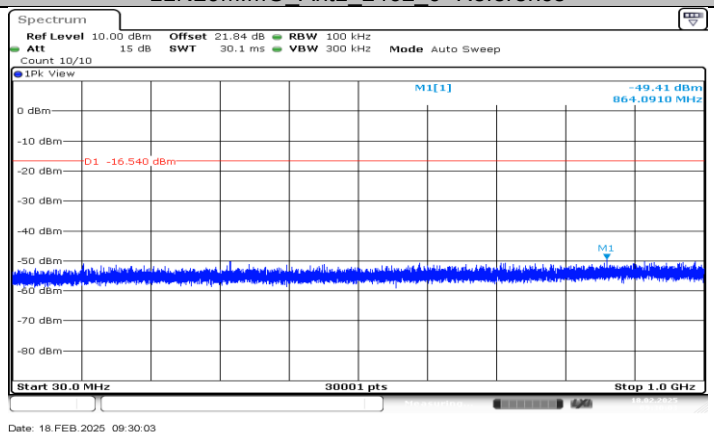
11N20MIMO_Ant2_2437_30~1000



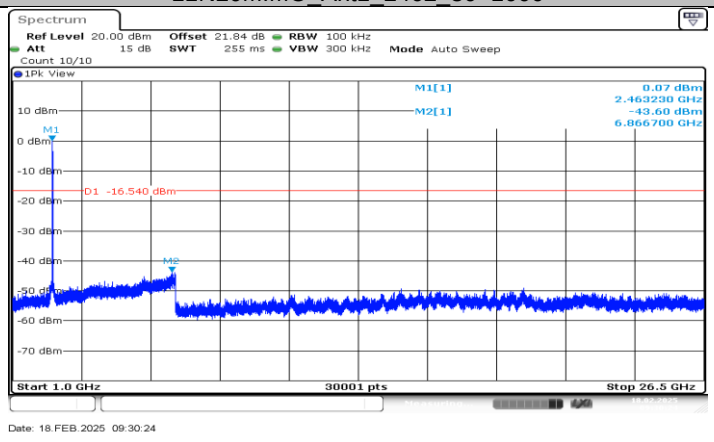
11N20MIMO_Ant2_2437_1000~26500



11N20MIMO_Ant1_2462_0~Reference



11N20MIMO_Ant1_2462_30~1000



11N20MIMO_Ant1_2462_1000~26500