

11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Result[dBm]	EIRP Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.60	15.26	≤30.00	PASS
	Ant2	2412	15.55	16.51	≤30.00	PASS
	Ant1	2437	15.00	15.66	≤30.00	PASS
	Ant2	2437	15.74	16.70	≤30.00	PASS
	Ant1	2462	14.74	15.40	≤30.00	PASS
	Ant2	2462	15.62	16.58	≤30.00	PASS
11G	Ant1	2412	14.65	15.31	≤30.00	PASS
	Ant2	2412	14.85	15.81	≤30.00	PASS
	Ant1	2437	14.50	15.16	≤30.00	PASS
	Ant2	2437	14.74	15.70	≤30.00	PASS
	Ant1	2462	14.53	15.19	≤30.00	PASS
	Ant2	2462	14.91	15.87	≤30.00	PASS
11N20MIMO	Ant1	2412	13.42	14.08	≤30.00	PASS
	Ant2	2412	13.65	14.61	≤30.00	PASS
	total	2412	16.55	17.51	≤30.00	PASS
	Ant1	2437	13.19	13.85	≤30.00	PASS
	Ant2	2437	13.47	14.43	≤30.00	PASS
	total	2437	16.34	17.30	≤30.00	PASS
	Ant1	2462	13.53	14.19	≤30.00	PASS
	Ant2	2462	13.73	14.69	≤30.00	PASS
total	2462	16.64	17.60	≤30.00	PASS	
11N40MIMO	Ant1	2422	13.46	14.12	≤30.00	PASS
	Ant2	2422	13.68	14.64	≤30.00	PASS
	total	2422	16.58	17.54	≤30.00	PASS
	Ant1	2437	13.54	14.20	≤30.00	PASS
	Ant2	2437	13.66	14.62	≤30.00	PASS
	total	2437	16.61	17.57	≤30.00	PASS
	Ant1	2452	13.44	14.10	≤30.00	PASS
	Ant2	2452	13.75	14.71	≤30.00	PASS
total	2452	16.61	17.57	≤30.00	PASS	

Note: 1. Conducted Power=Meas. Level+ Correction Factor

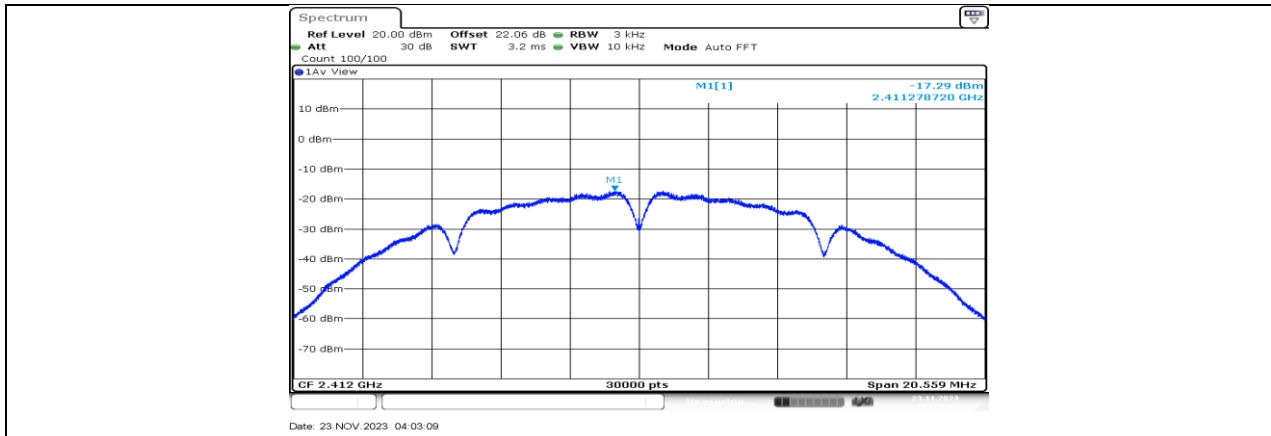
2. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.

11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

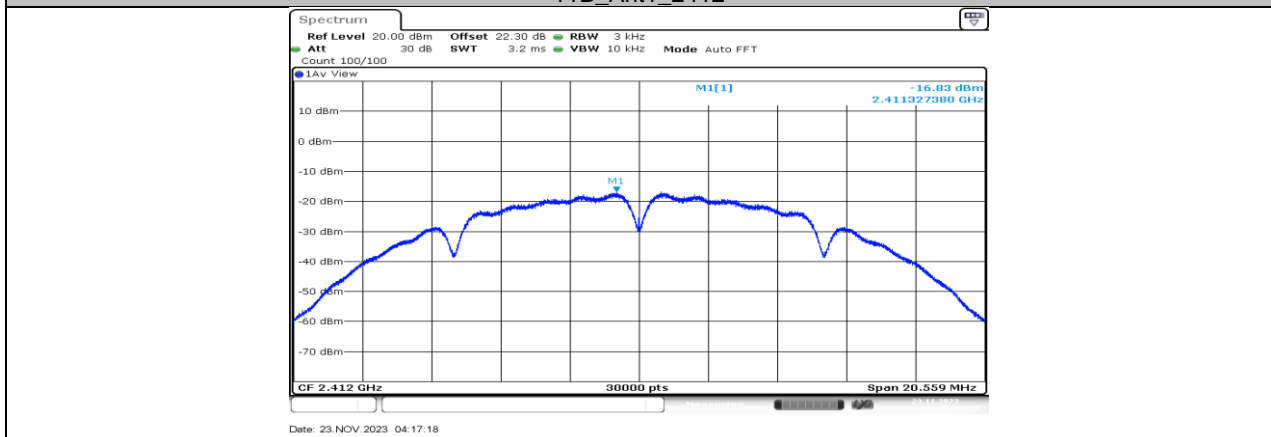
11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.29	≤8.00	PASS
	Ant2	2412	-16.83	≤8.00	PASS
	Ant1	2437	-17.03	≤8.00	PASS
	Ant2	2437	-17.03	≤8.00	PASS
	Ant1	2462	-17.48	≤8.00	PASS
	Ant2	2462	-17.31	≤8.00	PASS
11G	Ant1	2412	-19.37	≤8.00	PASS
	Ant2	2412	-19.44	≤8.00	PASS
	Ant1	2437	-19.59	≤8.00	PASS
	Ant2	2437	-19.28	≤8.00	PASS
	Ant1	2462	-19.36	≤8.00	PASS
	Ant2	2462	-19.25	≤8.00	PASS
11N20MIMO	Ant1	2412	-20.52	≤8.00	PASS
	Ant2	2412	-19.64	≤8.00	PASS
	total	2412	-17.05	≤8.00	PASS
	Ant1	2437	-20.30	≤8.00	PASS
	Ant2	2437	-19.41	≤8.00	PASS
	total	2437	-16.82	≤8.00	PASS
	Ant1	2462	-20.86	≤8.00	PASS
	Ant2	2462	-20.08	≤8.00	PASS
total	2462	-17.44	≤8.00	PASS	
11N40MIMO	Ant1	2422	-21.89	≤8.00	PASS
	Ant2	2422	-21.80	≤8.00	PASS
	total	2422	-18.83	≤8.00	PASS
	Ant1	2437	-21.61	≤8.00	PASS
	Ant2	2437	-20.62	≤8.00	PASS
	total	2437	-18.08	≤8.00	PASS
	Ant1	2452	-22.33	≤8.00	PASS
	Ant2	2452	-21.56	≤8.00	PASS
total	2452	-18.92	≤8.00	PASS	

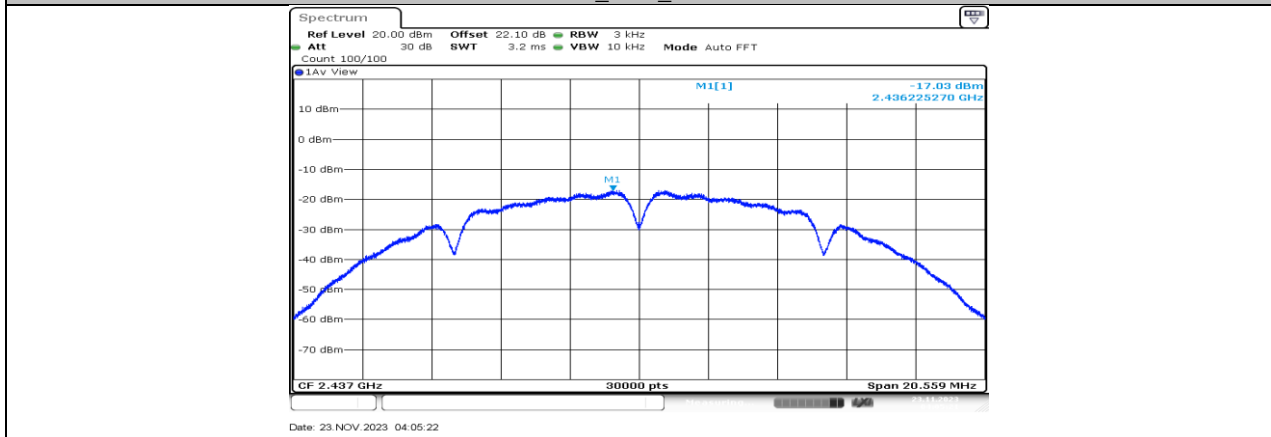
11.4.2. Test Graphs



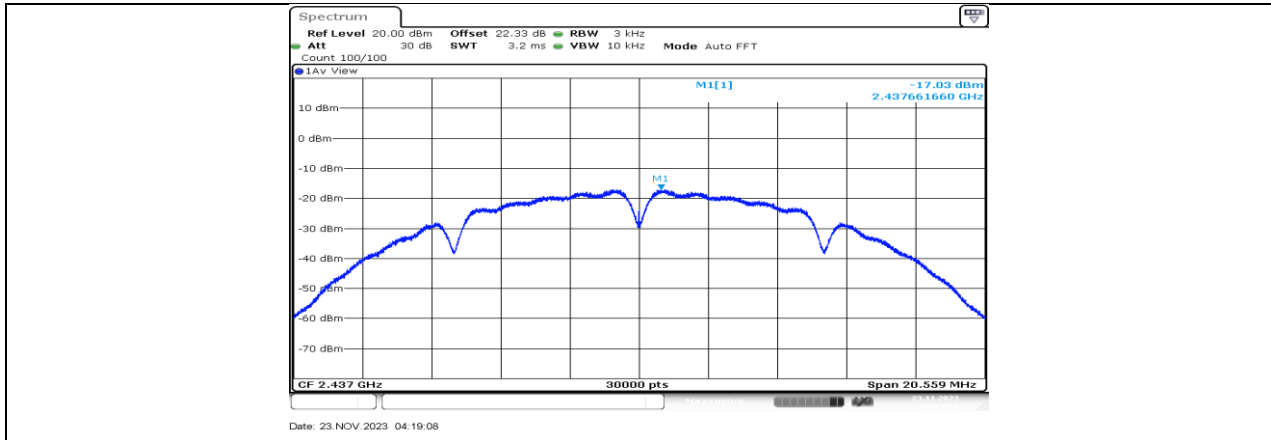
11B_Ant1_2412



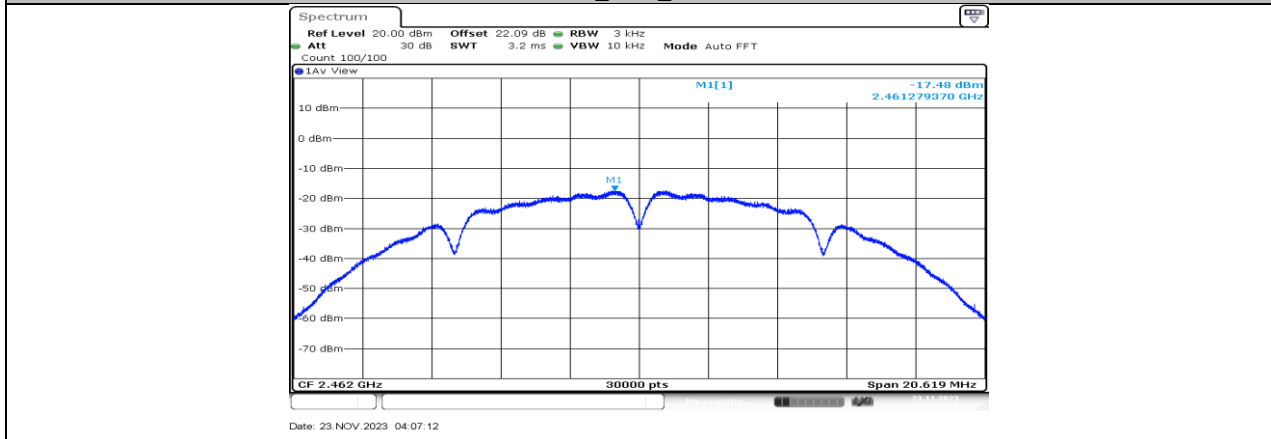
11B_Ant2_2412



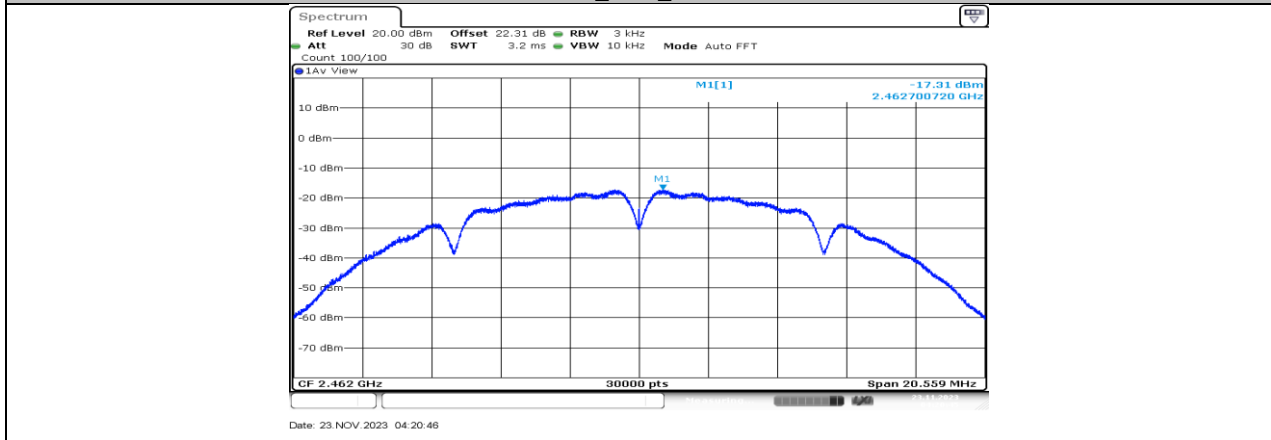
11B_Ant1_2437



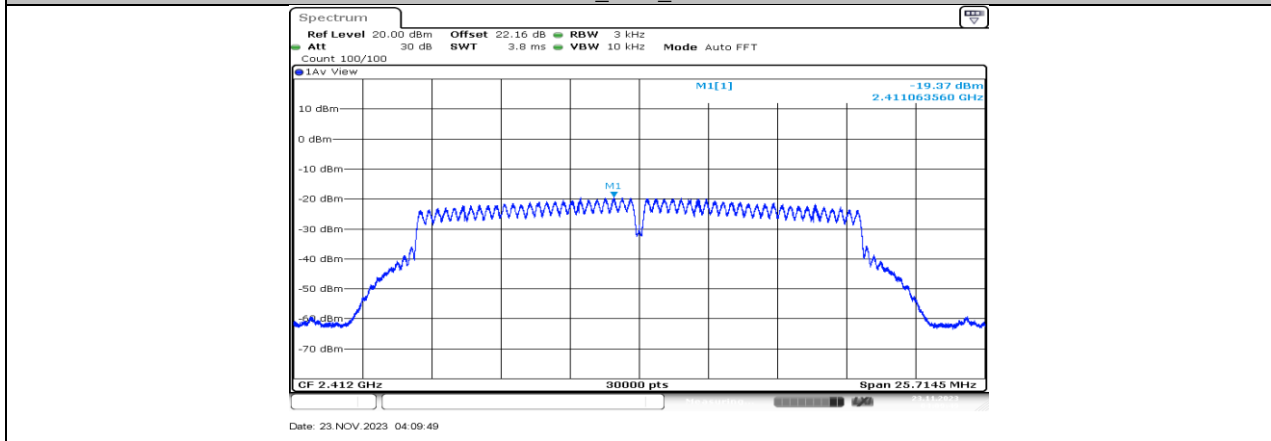
11B_Ant2_2437

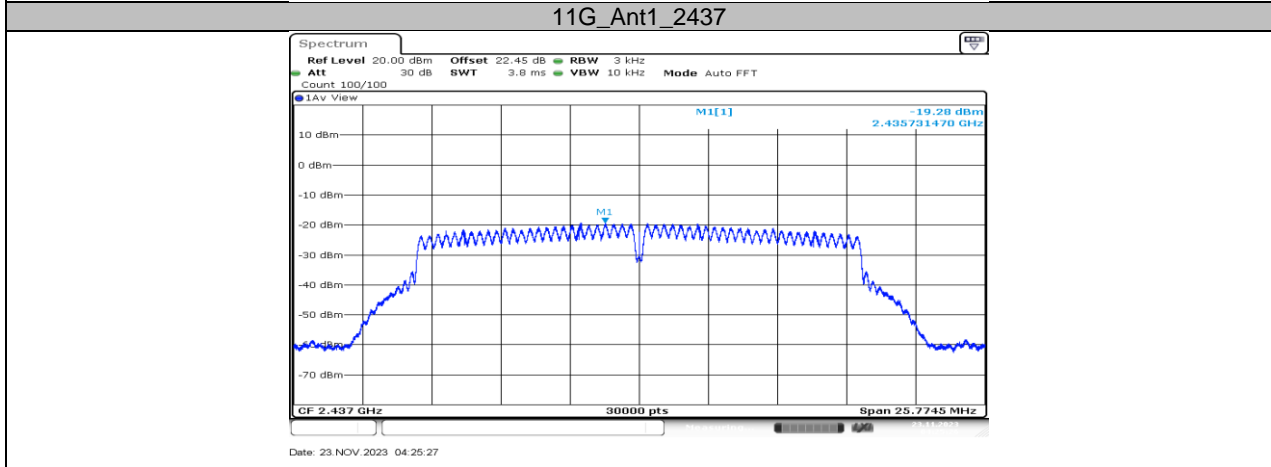
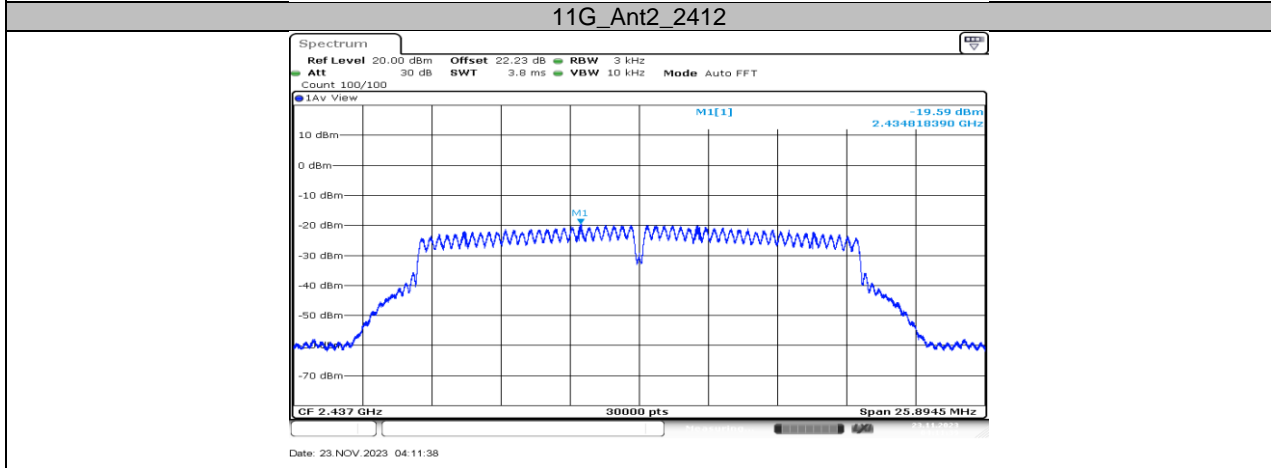
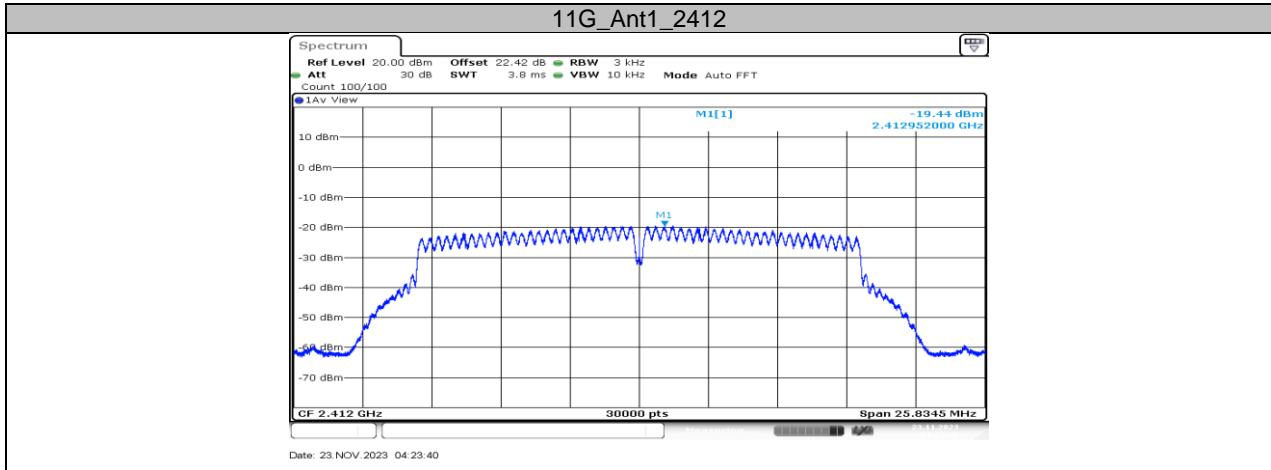


11B_Ant1_2462

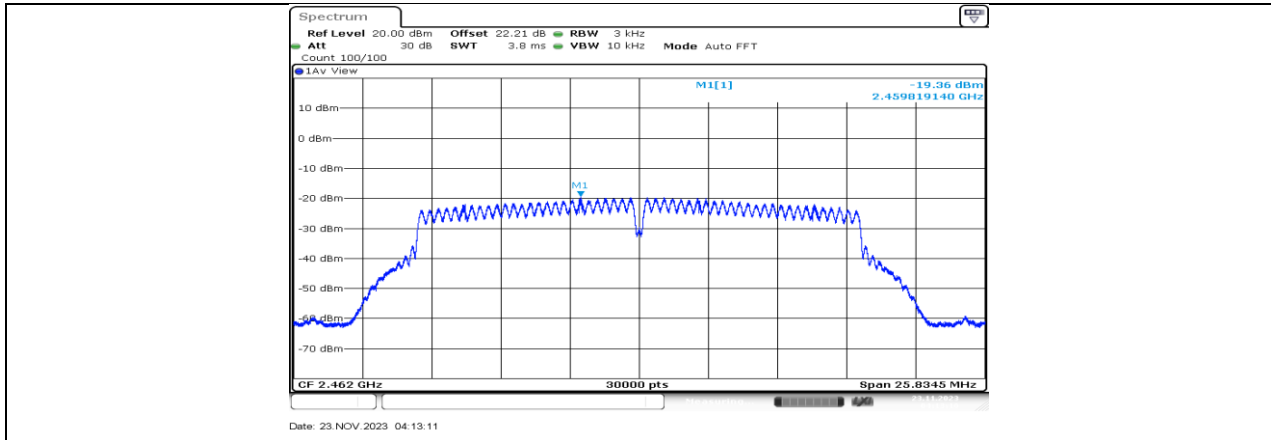


11B_Ant2_2462

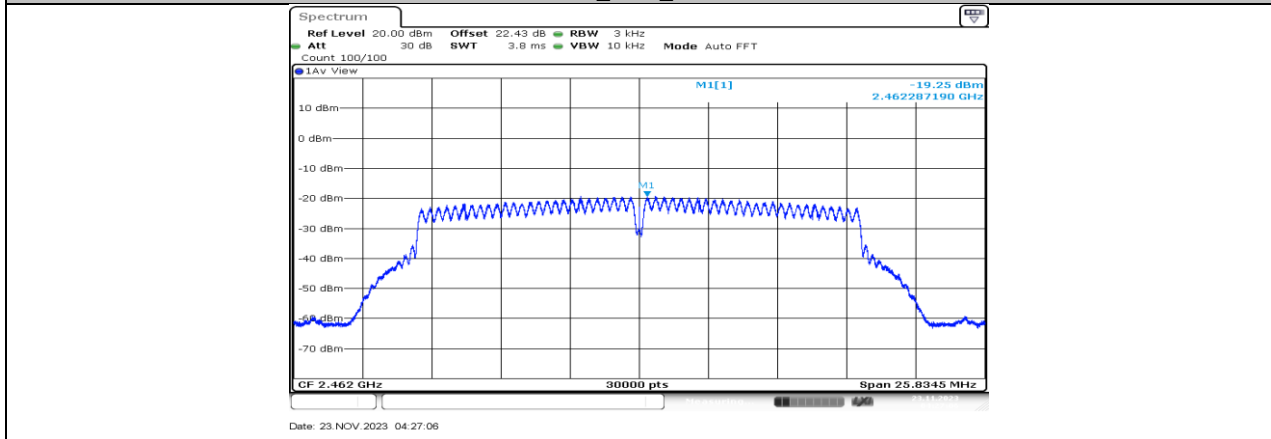




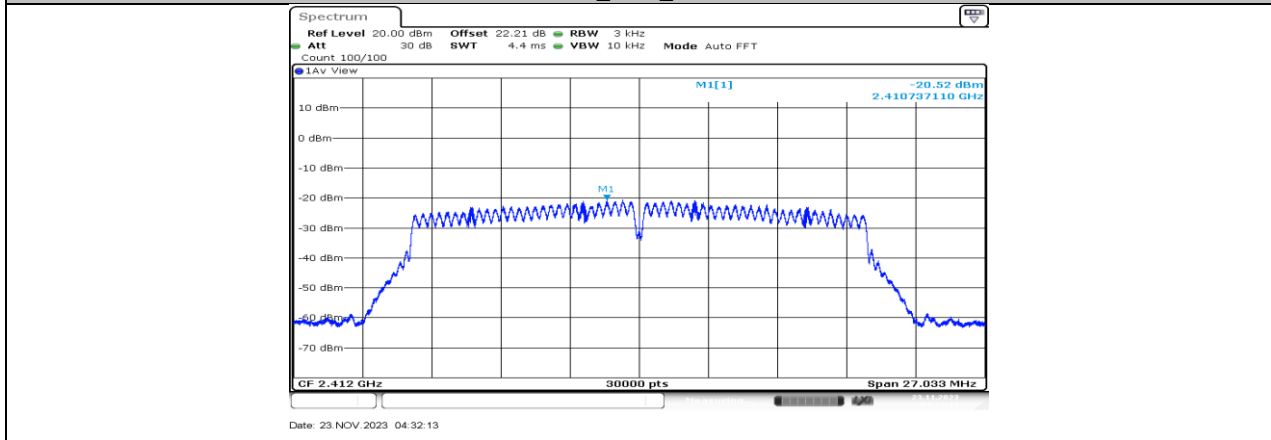
11G_Ant2_2437



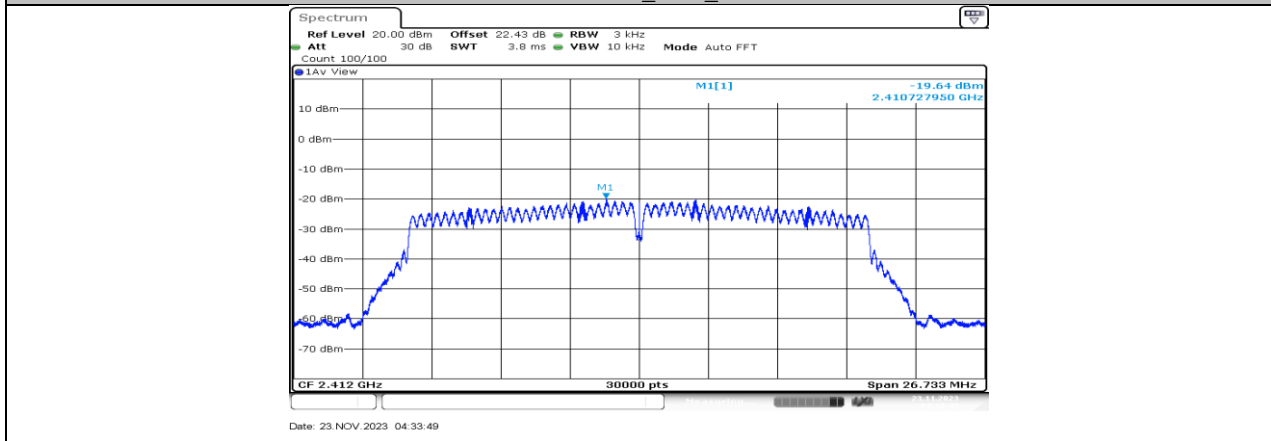
11G_Ant1_2462

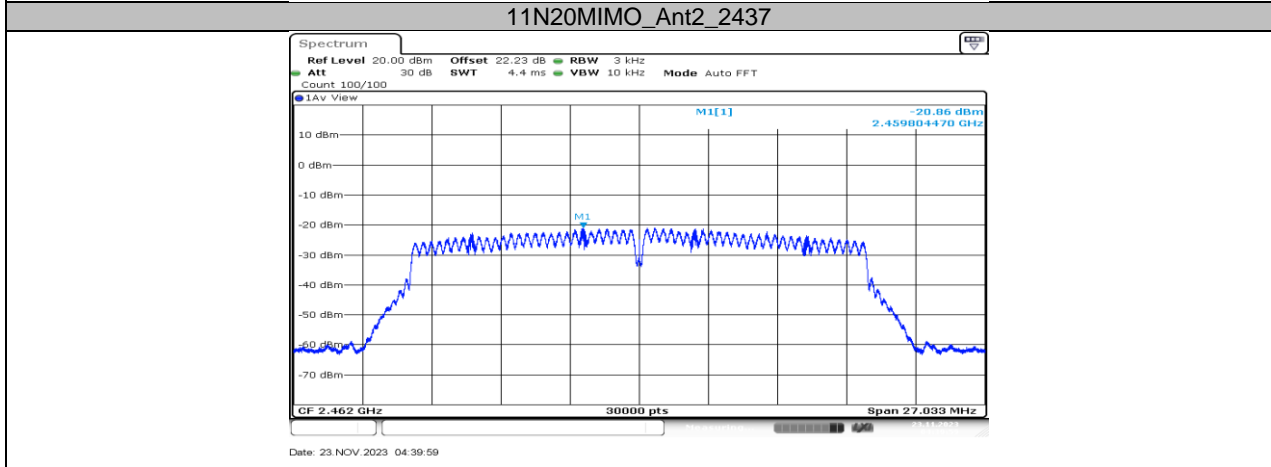
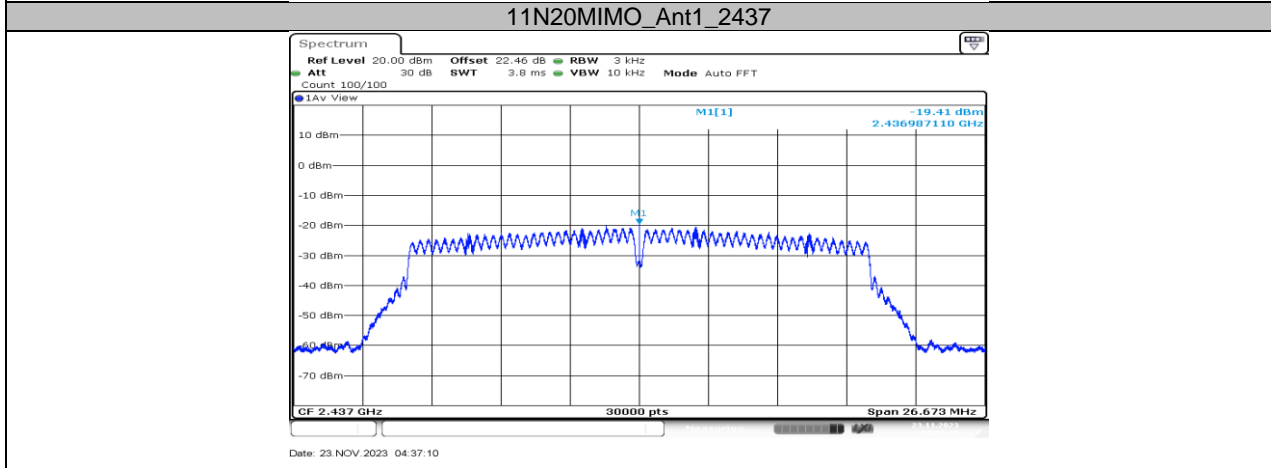
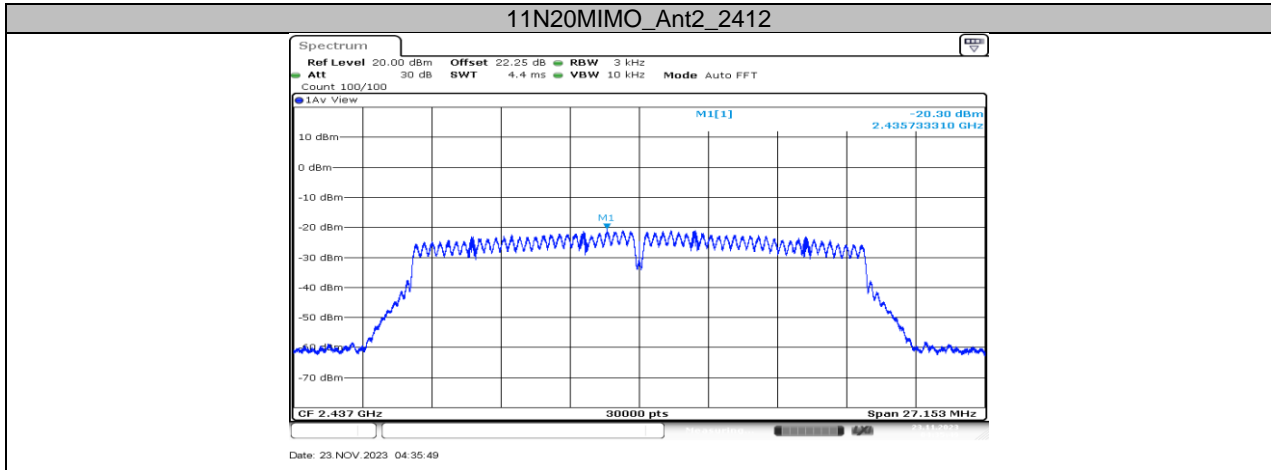


11G_Ant2_2462

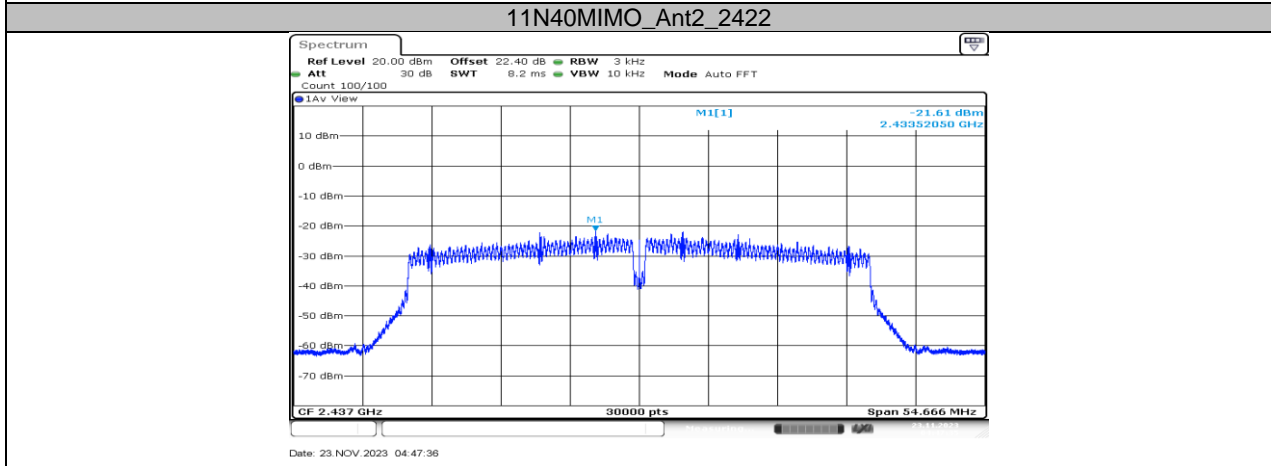
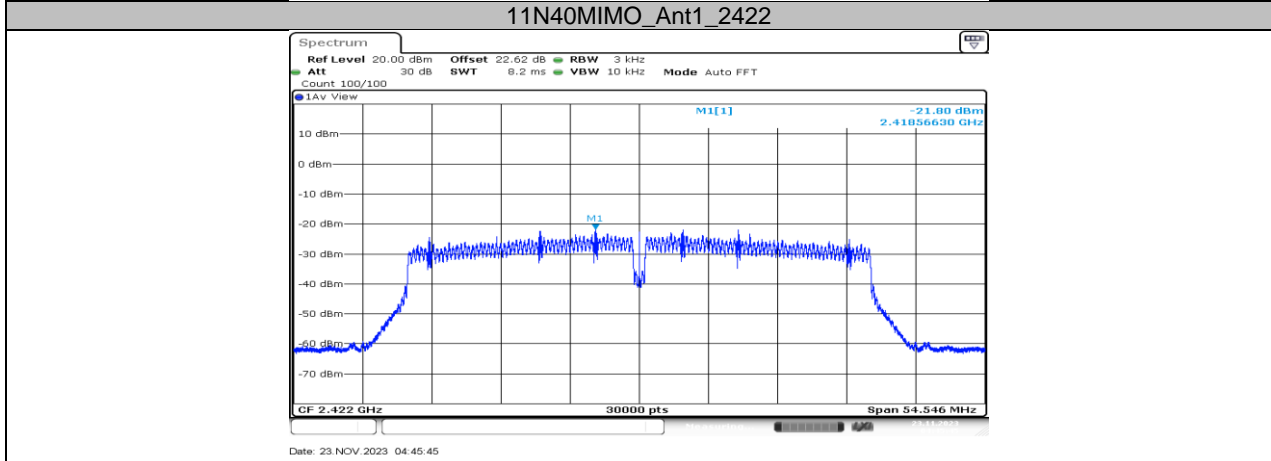
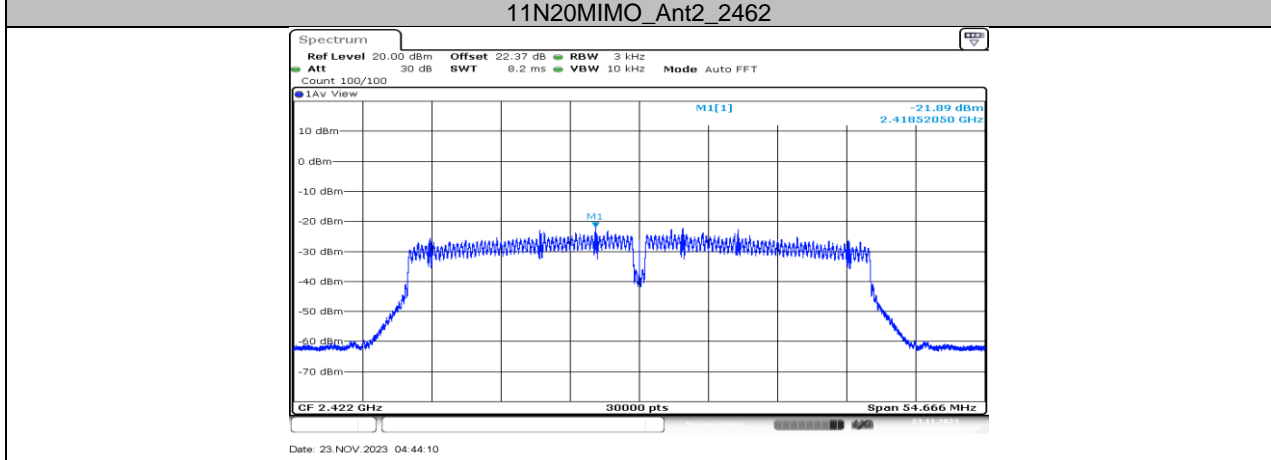
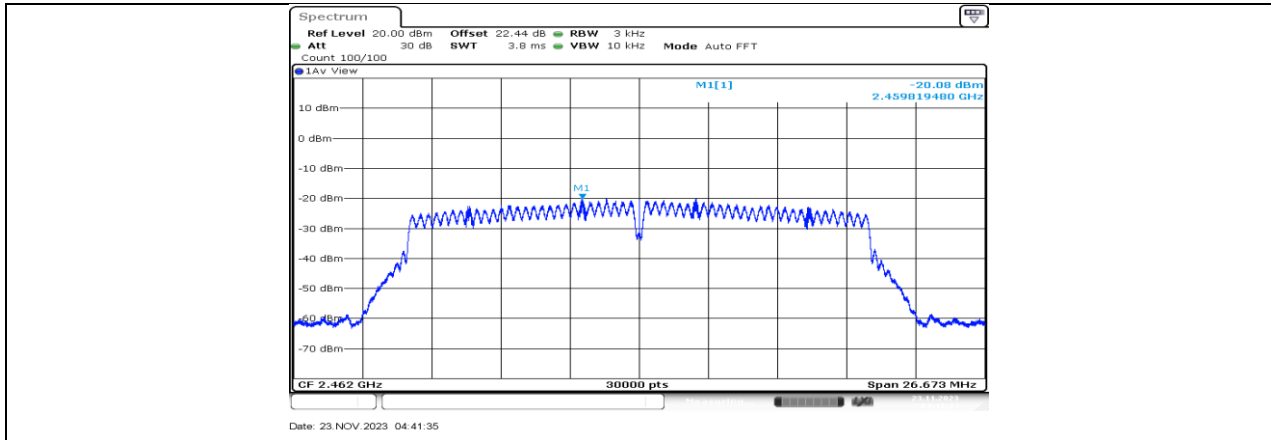


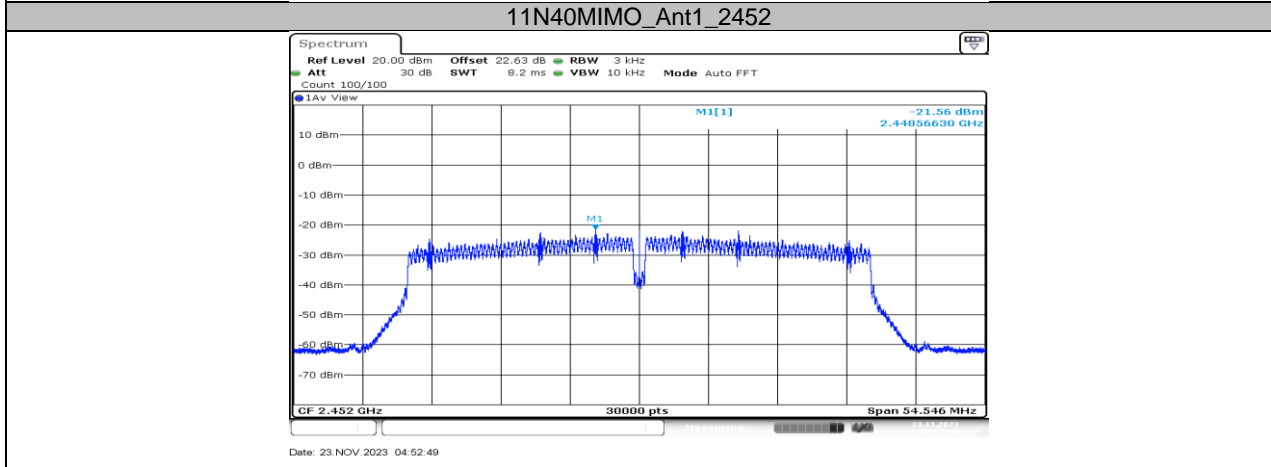
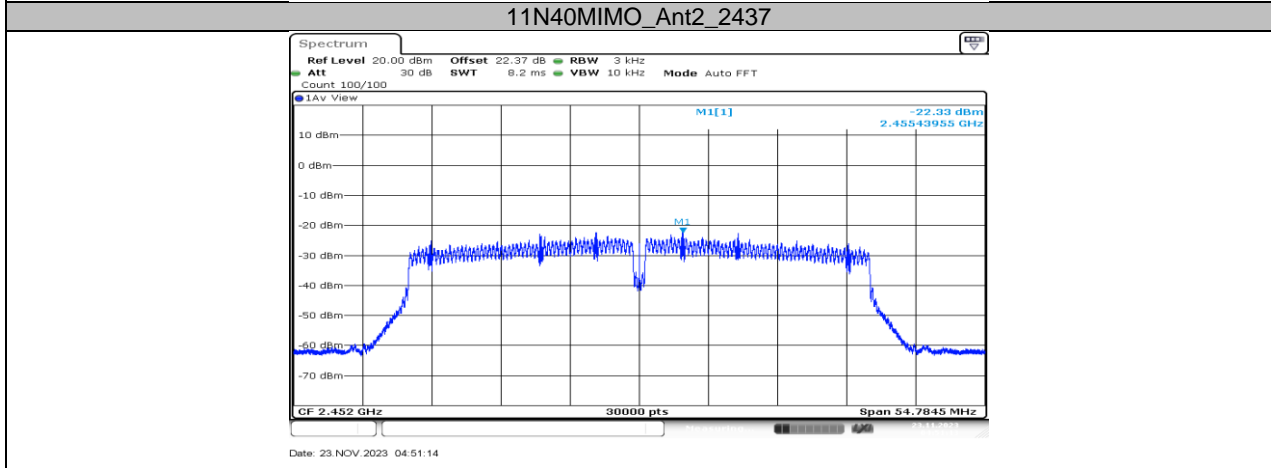
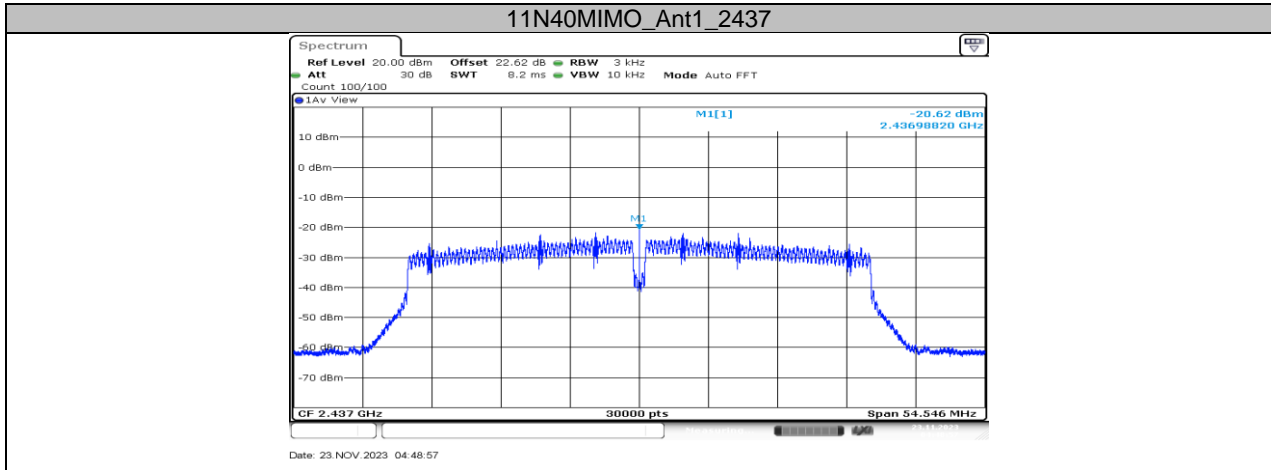
11N20MIMO_Ant1_2412





11N20MIMO_Ant1_2462





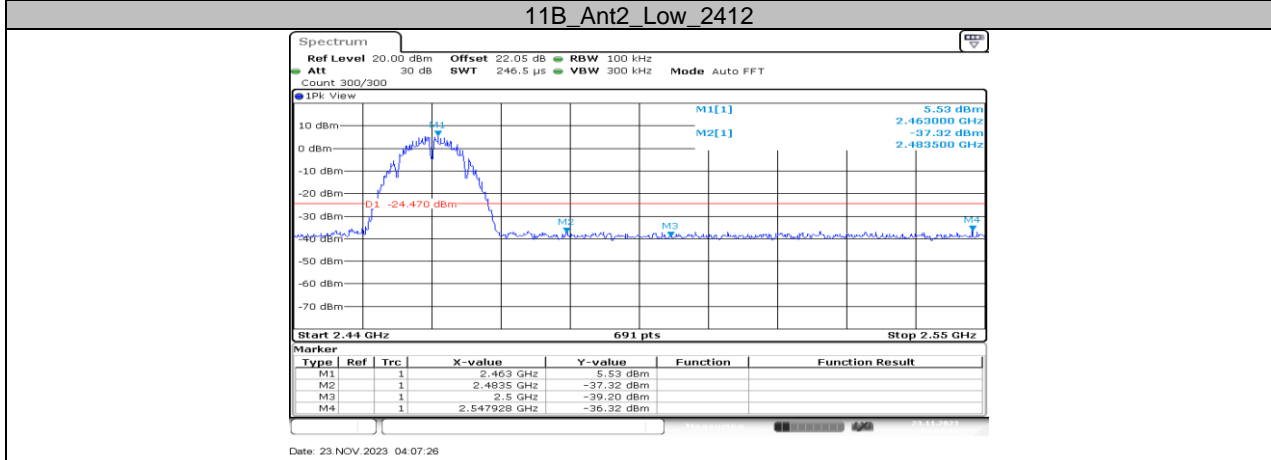
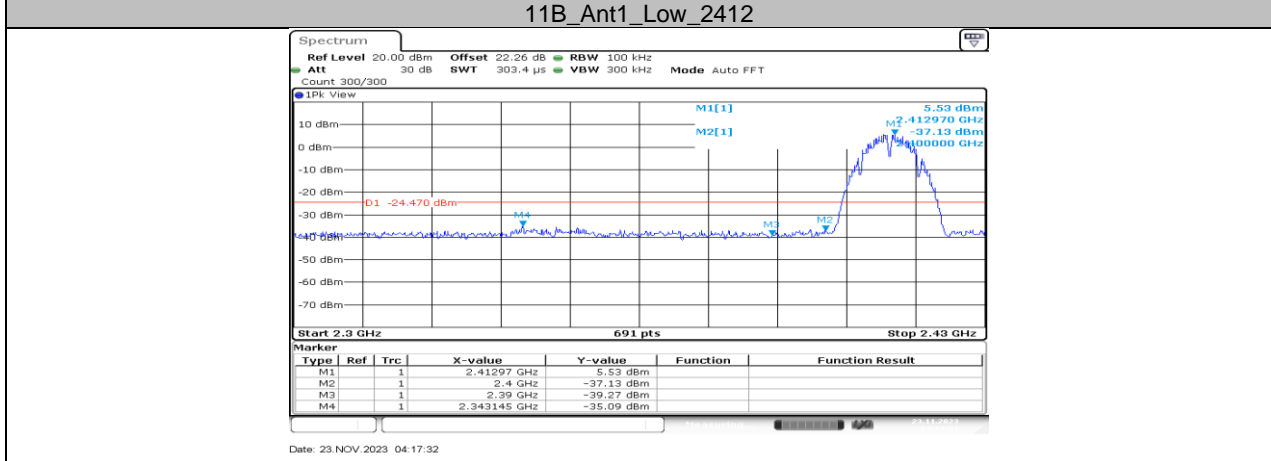
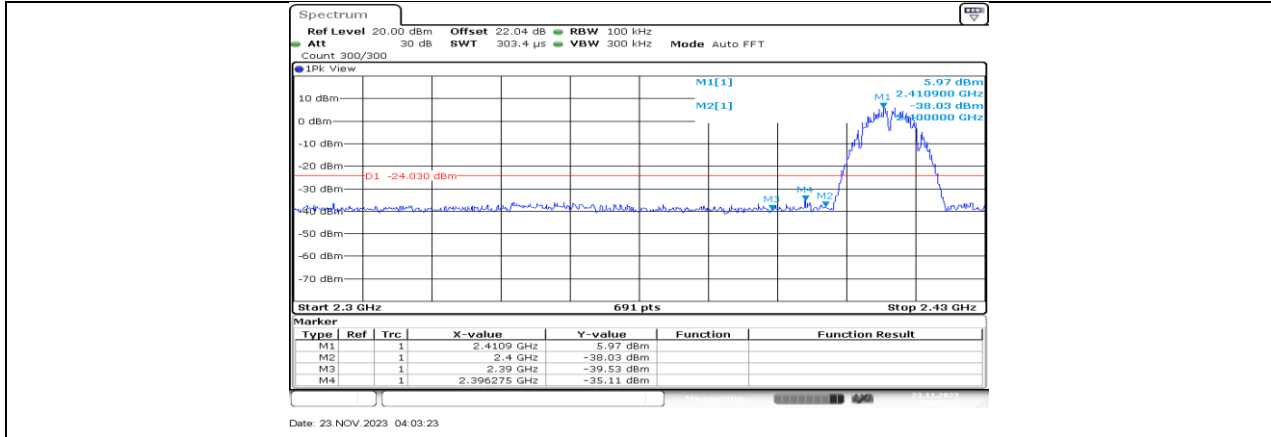
11N40MIMO_Ant2_2452

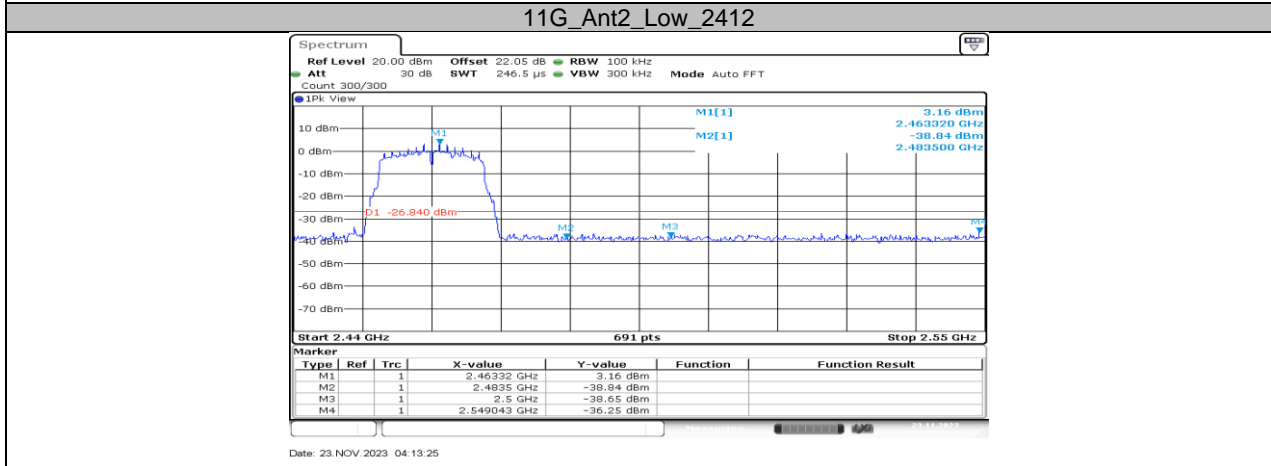
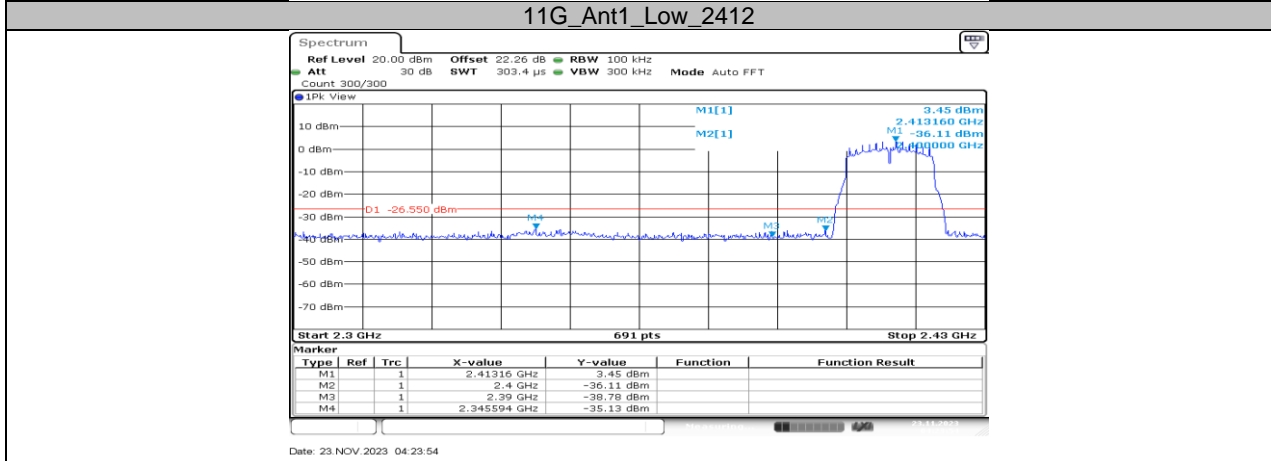
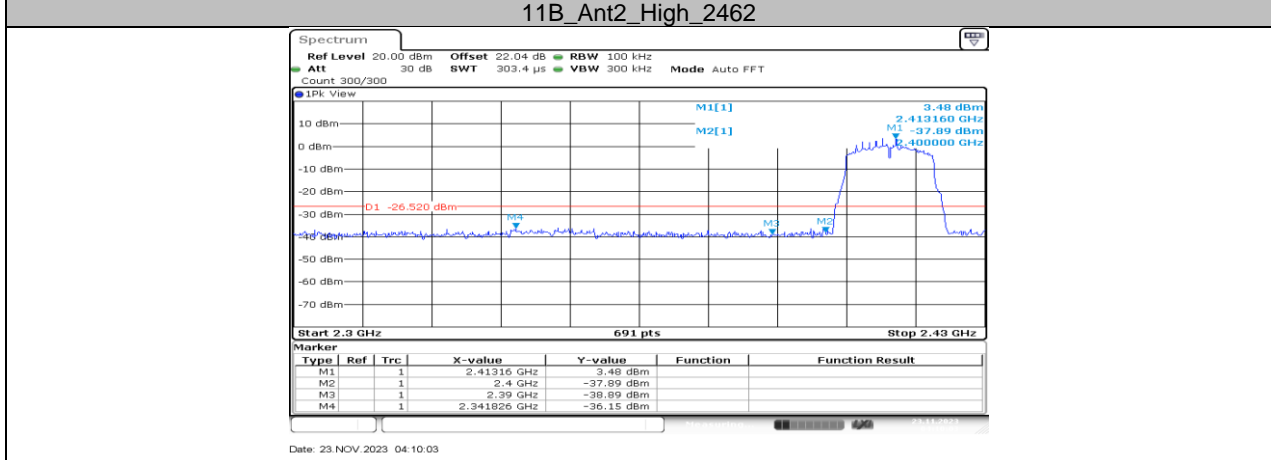
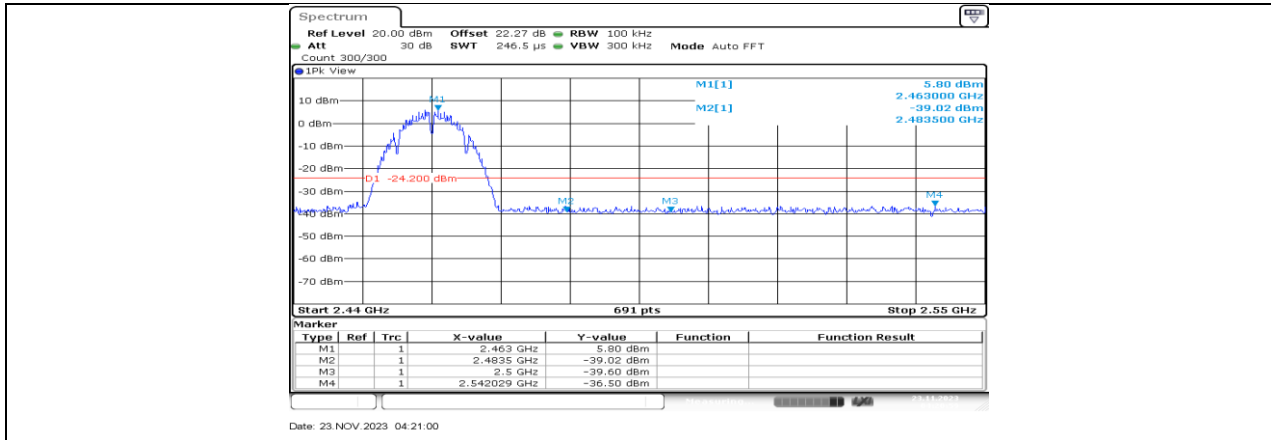
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

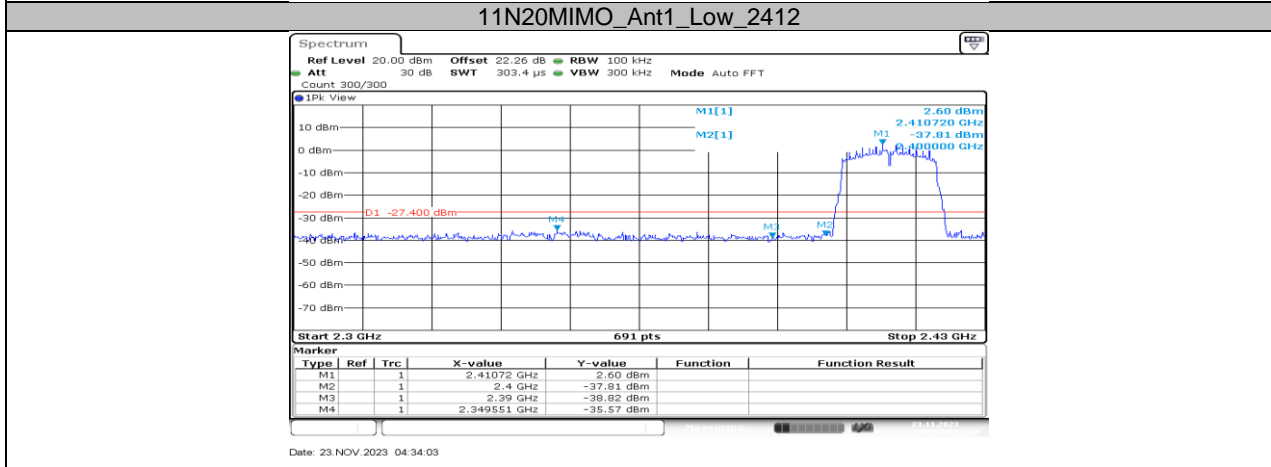
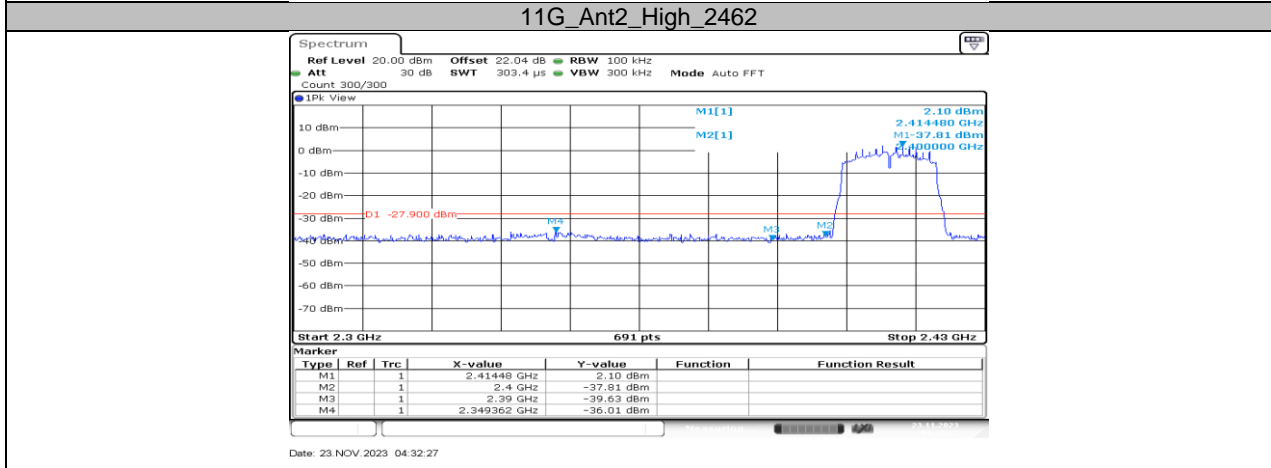
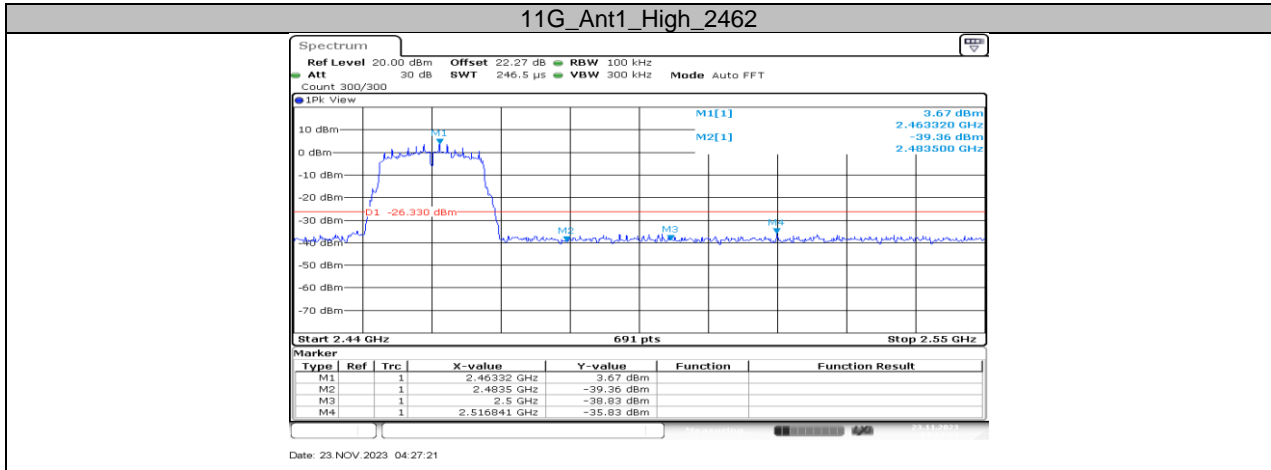
11.5.1. Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.97	-35.11	≤-24.03	PASS
	Ant2	Low	2412	5.53	-35.09	≤-24.47	PASS
	Ant1	High	2462	5.53	-36.32	≤-24.47	PASS
	Ant2	High	2462	5.80	-36.5	≤-24.2	PASS
11G	Ant1	Low	2412	3.48	-36.15	≤-26.52	PASS
	Ant2	Low	2412	3.45	-35.13	≤-26.55	PASS
	Ant1	High	2462	3.16	-36.25	≤-26.84	PASS
	Ant2	High	2462	3.67	-35.83	≤-26.33	PASS
11N20MIMO	Ant1	Low	2412	2.10	-36.01	≤-27.9	PASS
	Ant2	Low	2412	2.60	-35.57	≤-27.4	PASS
	Ant1	High	2462	2.47	-35.97	≤-27.53	PASS
	Ant2	High	2462	2.44	-35.42	≤-27.56	PASS
11N40MIMO	Ant1	Low	2422	-0.56	-35.81	≤-30.56	PASS
	Ant2	Low	2422	-0.56	-35.9	≤-30.56	PASS
	Ant1	High	2452	-0.41	-35.4	≤-30.41	PASS
	Ant2	High	2452	0.00	-35.69	≤-30	PASS

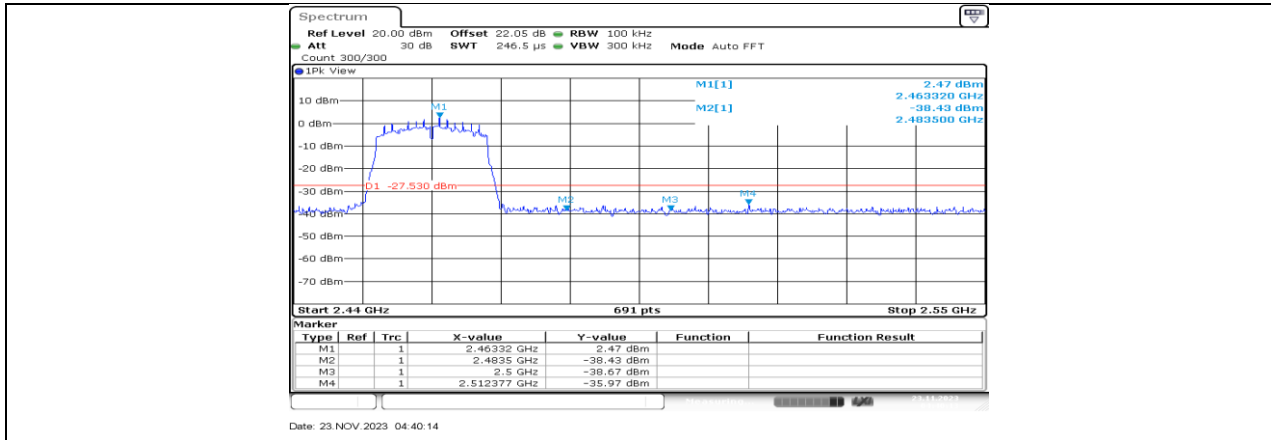
11.5.2. Test Graphs



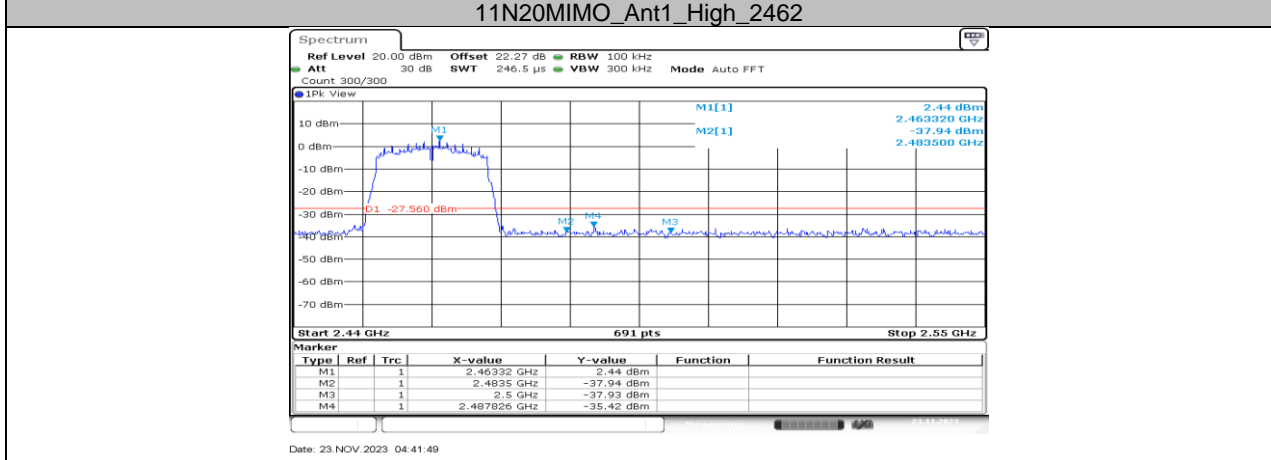




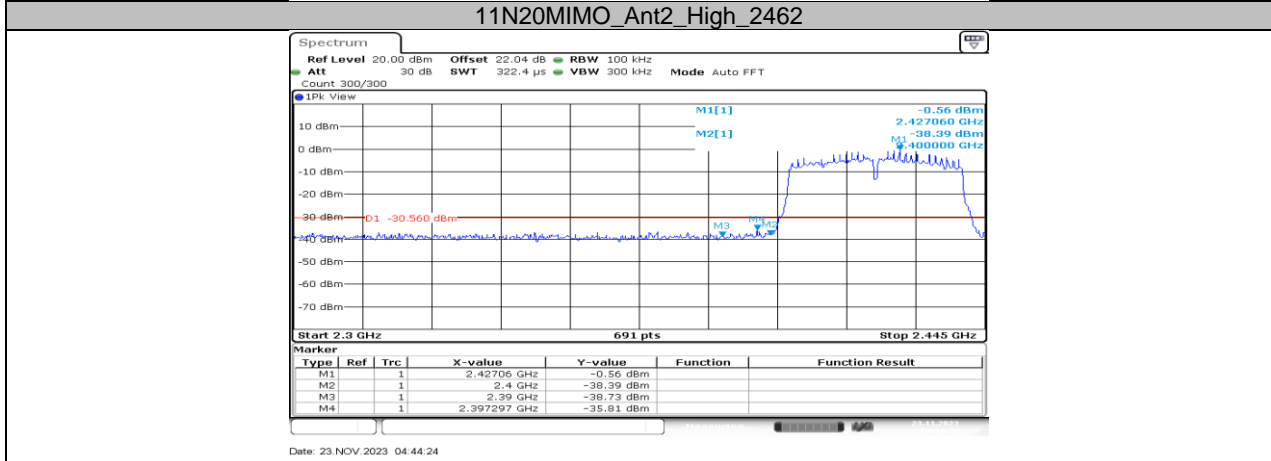
11N20MIMO_Ant2_Low_2412



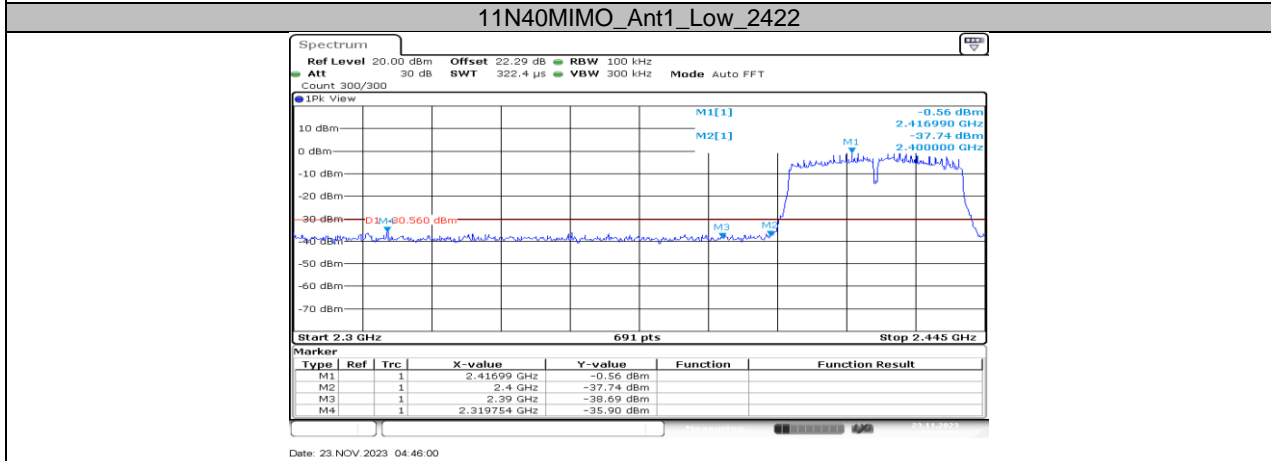
Date: 23.NOV.2023 04:40:14



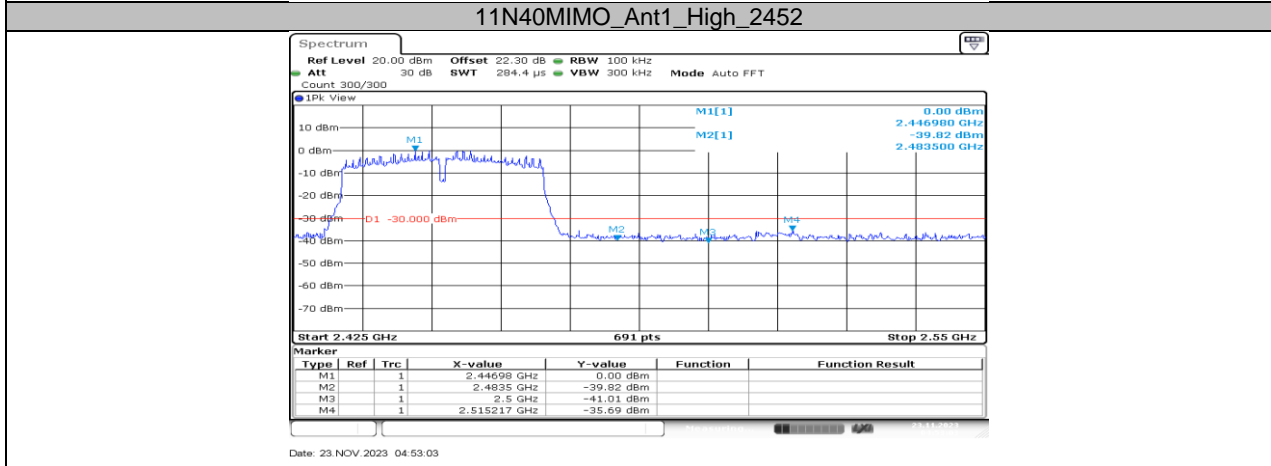
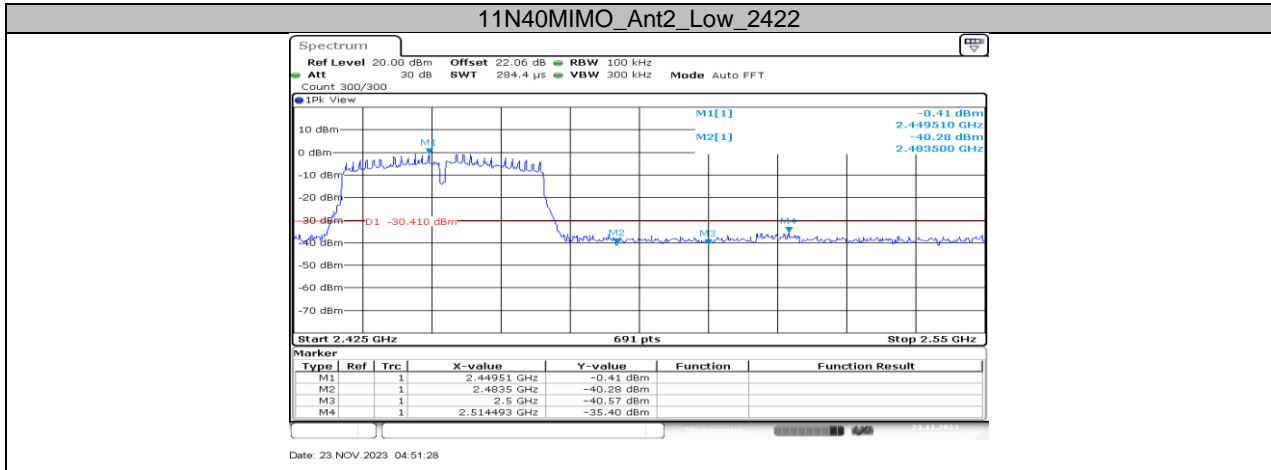
Date: 23.NOV.2023 04:41:49



Date: 23.NOV.2023 04:44:24



Date: 23.NOV.2023 04:46:00



11N40MIMO_Ant2_High_2452

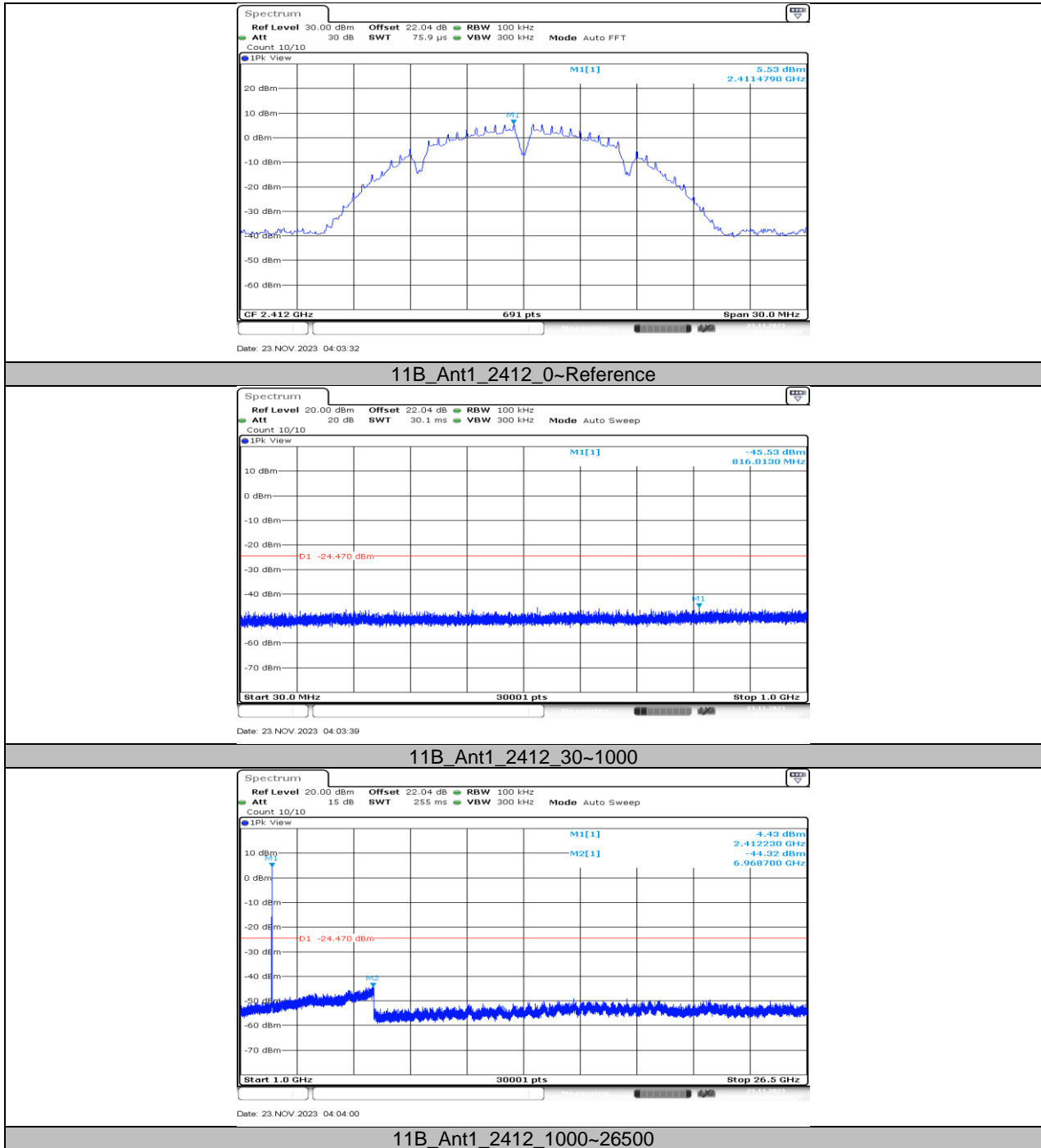
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

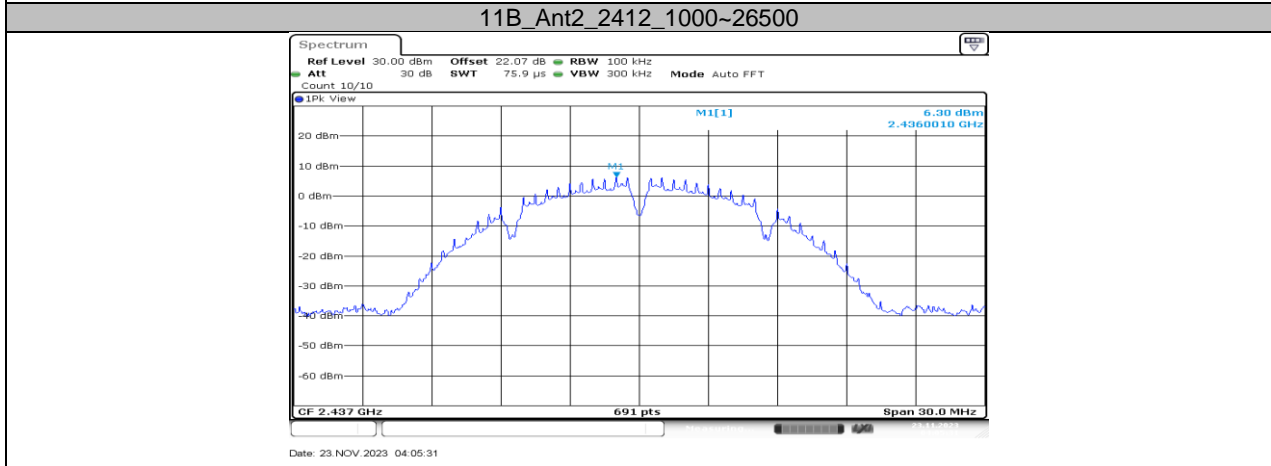
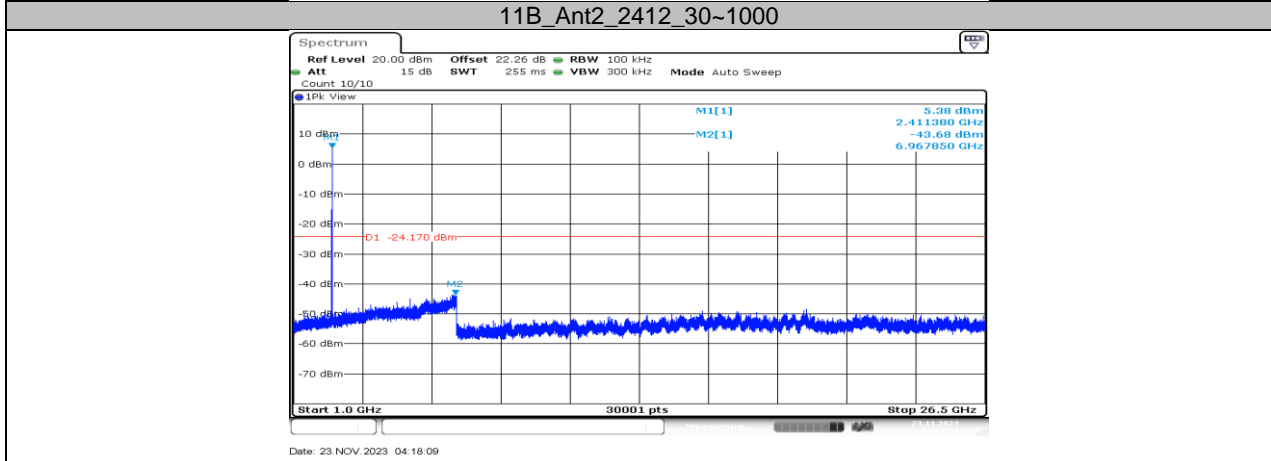
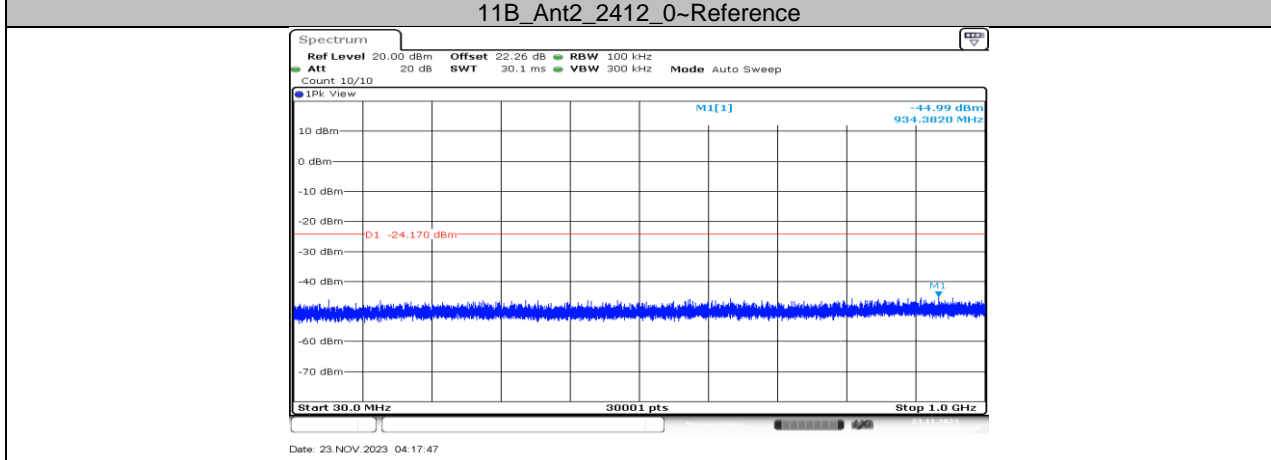
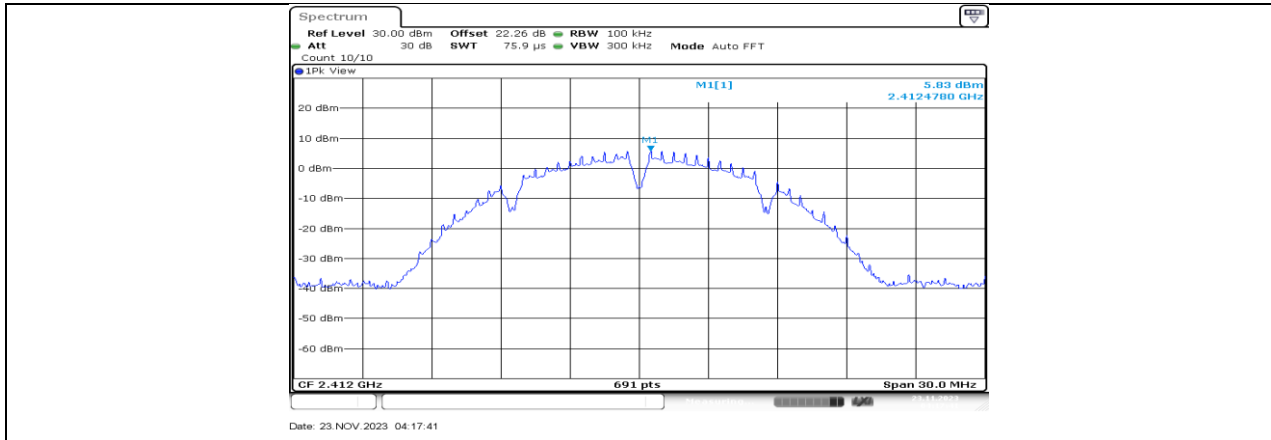
11.6.1. Test Result

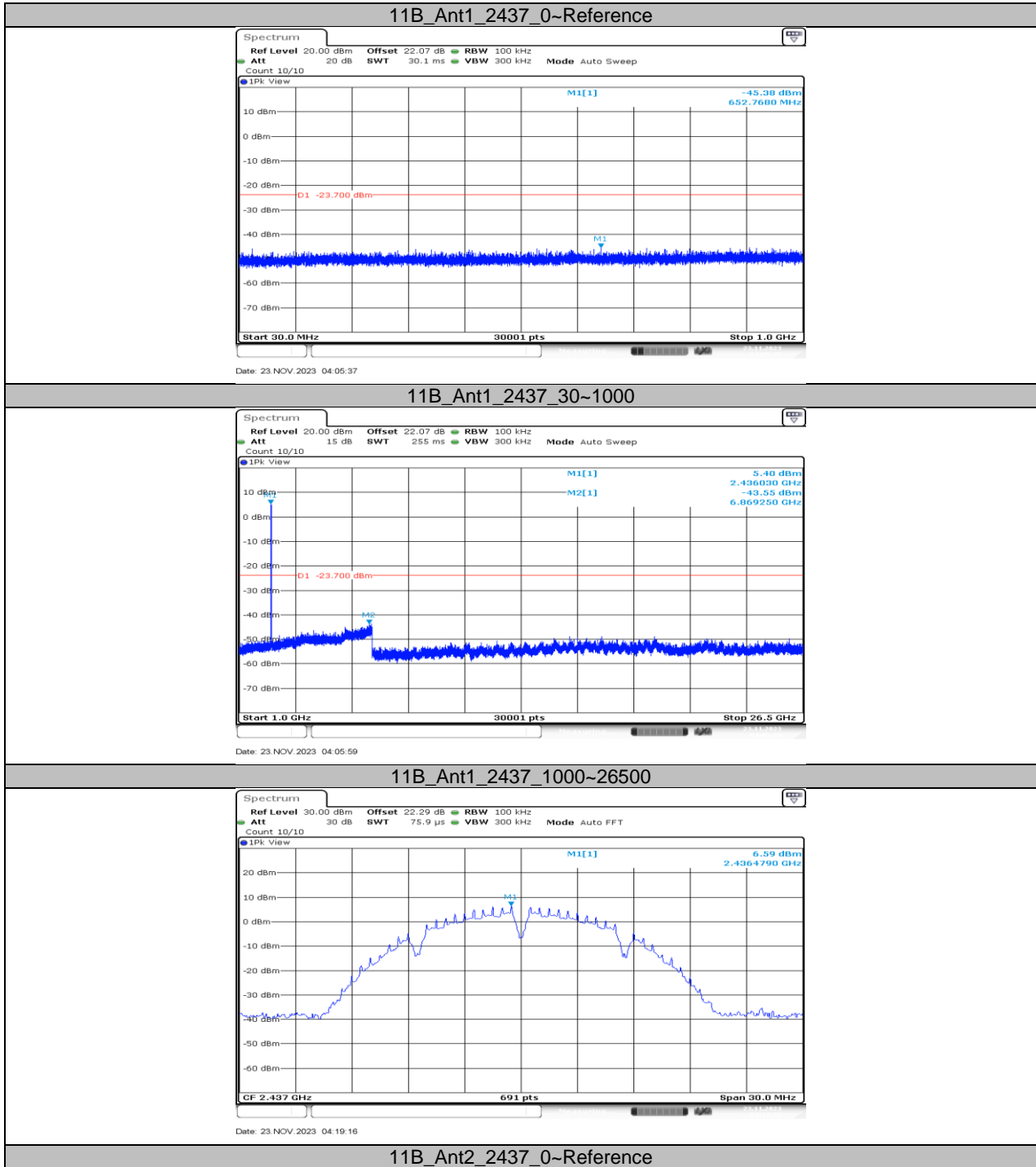
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.53	---	PASS
			30~1000	-45.53	≤-24.47	PASS
			1000~26500	-44.32	≤-24.47	PASS
	Ant2	2412	Reference	5.83	---	PASS
			30~1000	-44.99	≤-24.17	PASS
			1000~26500	-43.68	≤-24.17	PASS
	Ant1	2437	Reference	6.30	---	PASS
			30~1000	-45.38	≤-23.7	PASS
			1000~26500	-43.55	≤-23.7	PASS
	Ant2	2437	Reference	6.59	---	PASS
			30~1000	-44.89	≤-23.41	PASS
			1000~26500	-43.48	≤-23.41	PASS
	Ant1	2462	Reference	6.03	---	PASS
			30~1000	-44.63	≤-23.97	PASS
			1000~26500	-43.92	≤-23.97	PASS
	Ant2	2462	Reference	6.09	---	PASS
			30~1000	-45.53	≤-23.91	PASS
			1000~26500	-40.74	≤-23.91	PASS
11G	Ant1	2412	Reference	3.45	---	PASS
			30~1000	-45.42	≤-26.55	PASS
			1000~26500	-43.67	≤-26.55	PASS
	Ant2	2412	Reference	2.81	---	PASS
			30~1000	-45.24	≤-27.19	PASS
			1000~26500	-42.9	≤-27.19	PASS
	Ant1	2437	Reference	3.30	---	PASS
			30~1000	-45.45	≤-26.7	PASS
			1000~26500	-43.66	≤-26.7	PASS
	Ant2	2437	Reference	3.53	---	PASS
			30~1000	-44.37	≤-26.47	PASS
			1000~26500	-43.77	≤-26.47	PASS
	Ant1	2462	Reference	2.39	---	PASS
			30~1000	-45.49	≤-27.61	PASS
			1000~26500	-43.9	≤-27.61	PASS
	Ant2	2462	Reference	3.60	---	PASS
			30~1000	-45.62	≤-26.4	PASS
			1000~26500	-43.89	≤-26.4	PASS
11N20MIMO	Ant1	2412	Reference	2.47	---	PASS
			30~1000	-45.12	≤-27.53	PASS
			1000~26500	-43.29	≤-27.53	PASS
	Ant2	2412	Reference	2.58	---	PASS
			30~1000	-44.49	≤-27.42	PASS
			1000~26500	-43.1	≤-27.42	PASS
	Ant1	2437	Reference	2.52	---	PASS
			30~1000	-44.97	≤-27.48	PASS
			1000~26500	-43.51	≤-27.48	PASS
	Ant2	2437	Reference	2.43	---	PASS
			30~1000	-44.95	≤-27.57	PASS
			1000~26500	-43.22	≤-27.57	PASS
	Ant1	2462	Reference	2.48	---	PASS
			30~1000	-44.78	≤-27.52	PASS
			1000~26500	-43.56	≤-27.52	PASS
	Ant2	2462	Reference	2.60	---	PASS
			30~1000	-45.09	≤-27.4	PASS
			1000~26500	-43.42	≤-27.4	PASS
11N40MIMO	Ant1	2422	Reference	-0.63	---	PASS
			30~1000	-45.15	≤-30.63	PASS
			1000~26500	-44.33	≤-30.63	PASS
	Ant2	2422	Reference	-0.49	---	PASS

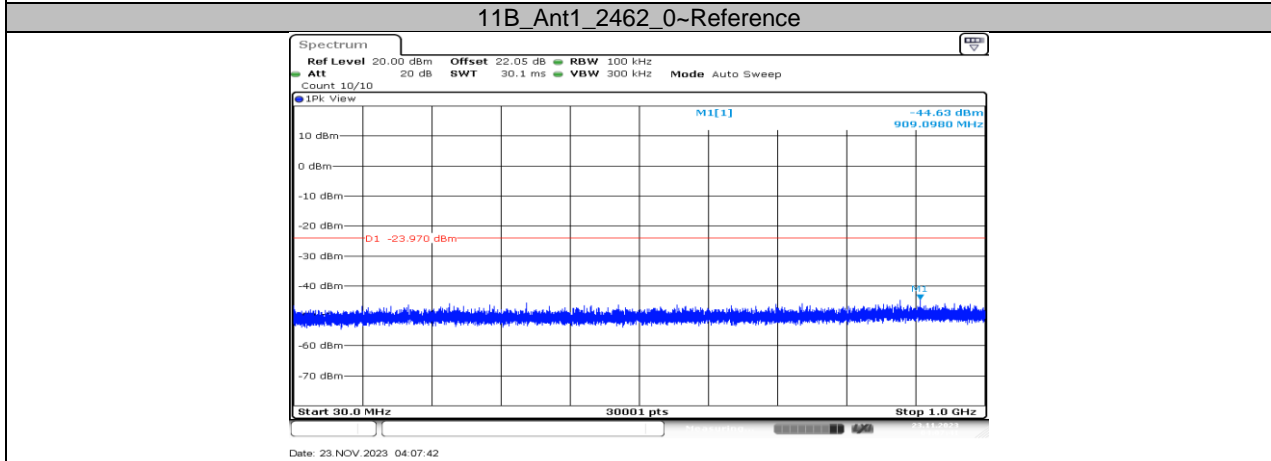
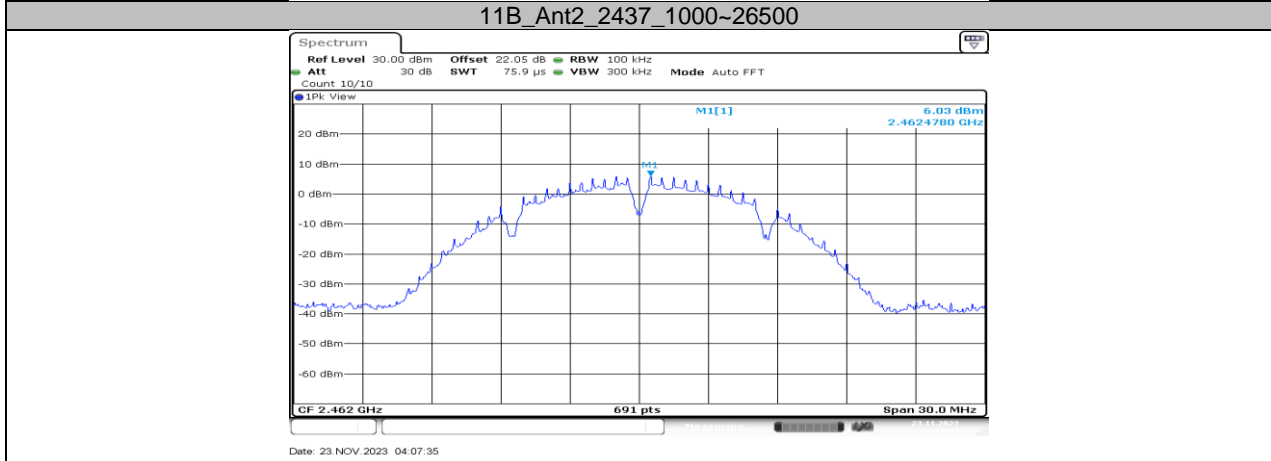
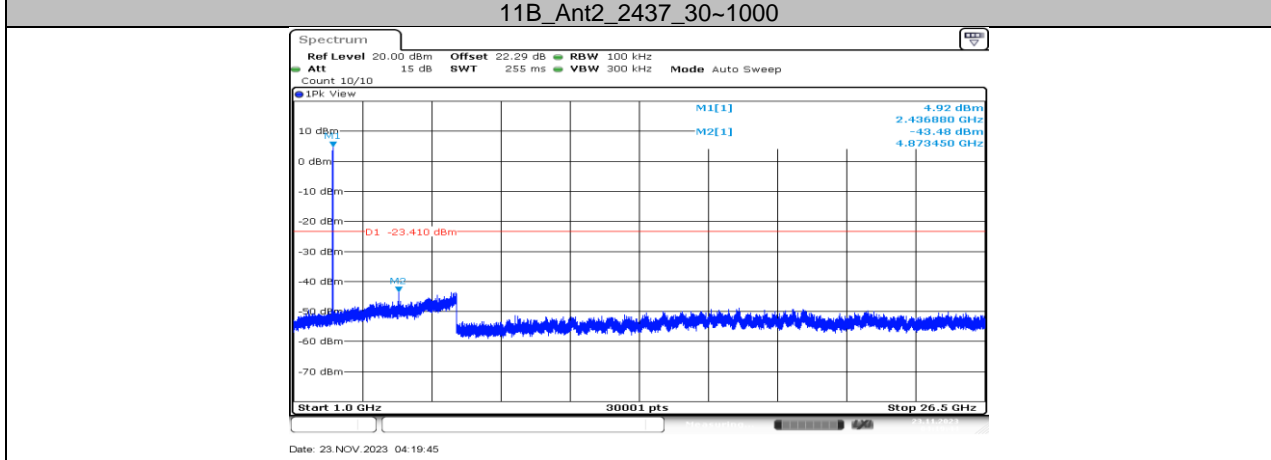
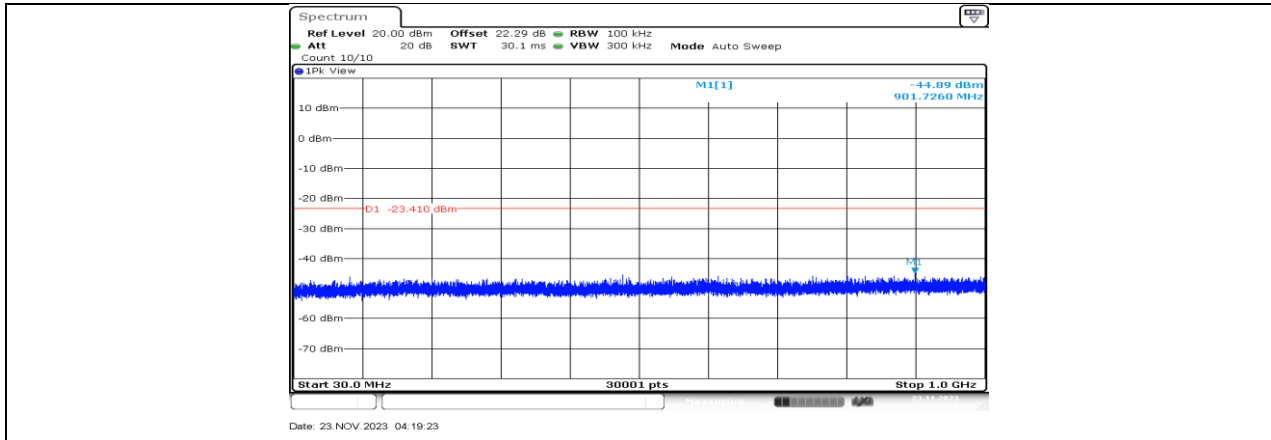
			30~1000	-44.8	≤ -30.49	PASS	
			1000~26500	-43.11	≤ -30.49	PASS	
	Ant1	2437	Reference	-0.13	---	PASS	
			30~1000	-45.52	≤ -30.13	PASS	
				1000~26500	-43.81	≤ -30.13	PASS
				Reference	0.13	---	PASS
	Ant2	2437	30~1000	-45.42	≤ -29.87	PASS	
			1000~26500	-43.23	≤ -29.87	PASS	
	Ant1	2452	Reference	-0.34	---	PASS	
			30~1000	-45.31	≤ -30.34	PASS	
			1000~26500	-43.65	≤ -30.34	PASS	
	Ant2	2452	Reference	0.00	---	PASS	
30~1000			-45.13	≤ -30	PASS		
1000~26500			-43.52	≤ -30	PASS		

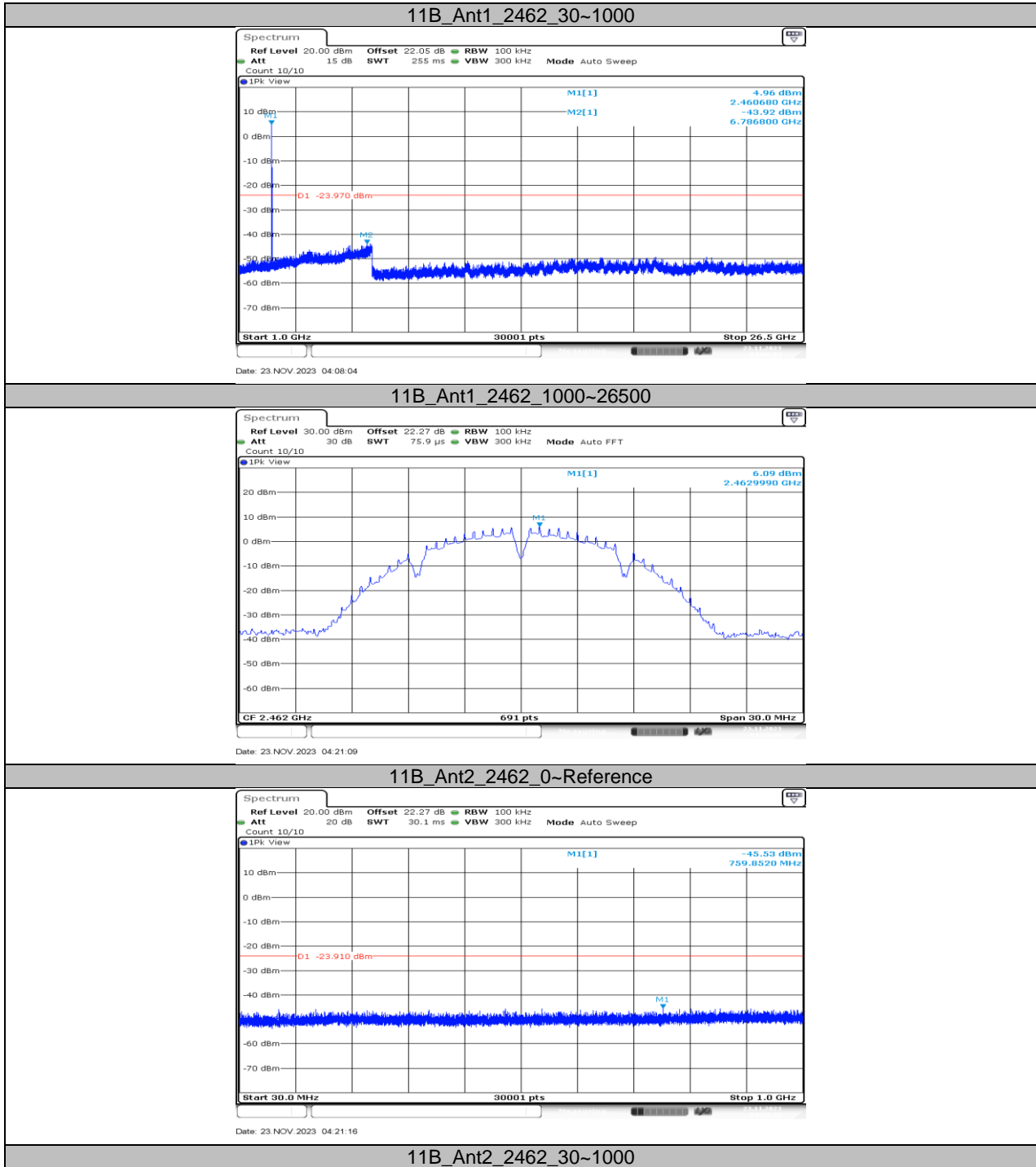
11.6.2. Test Graphs

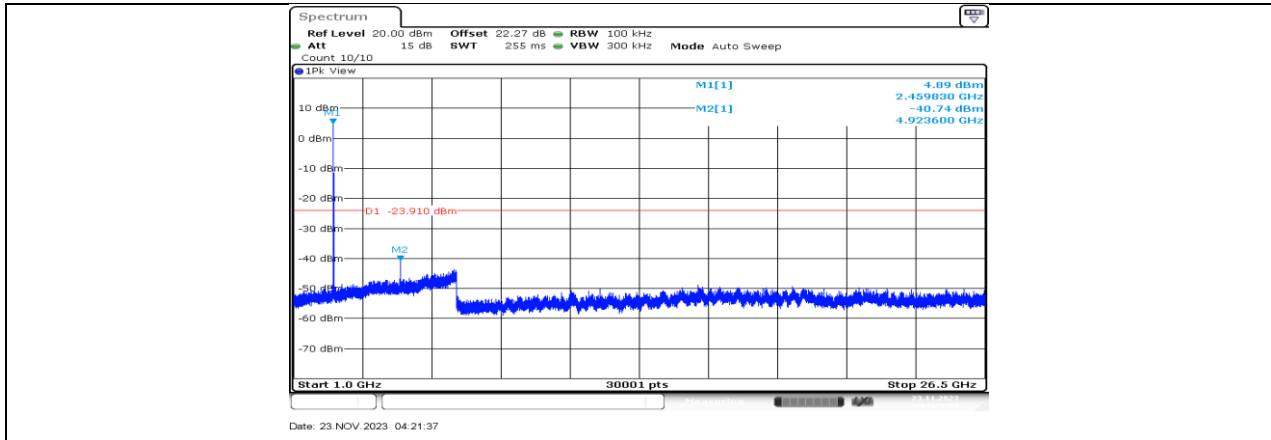




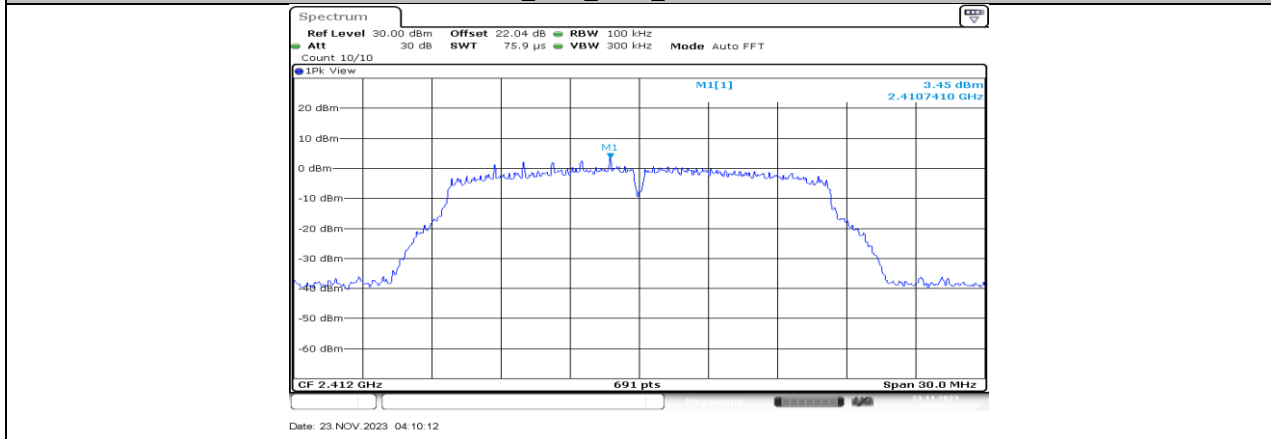




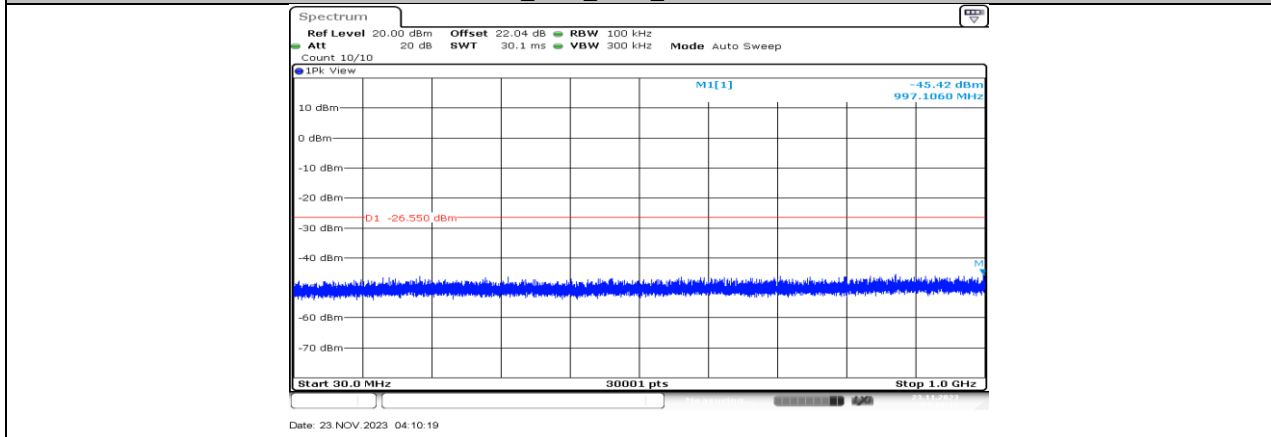




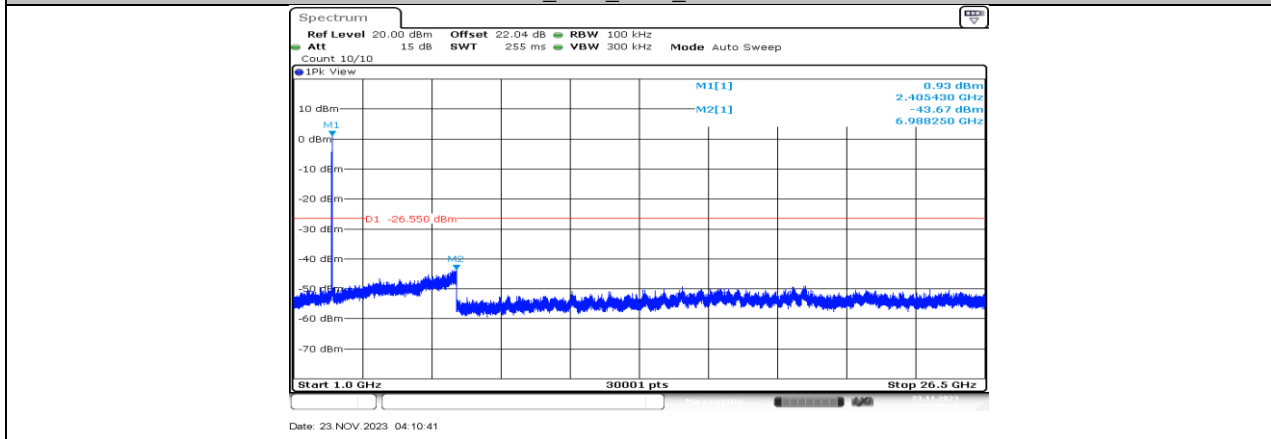
11B_Ant2_2462_1000~26500

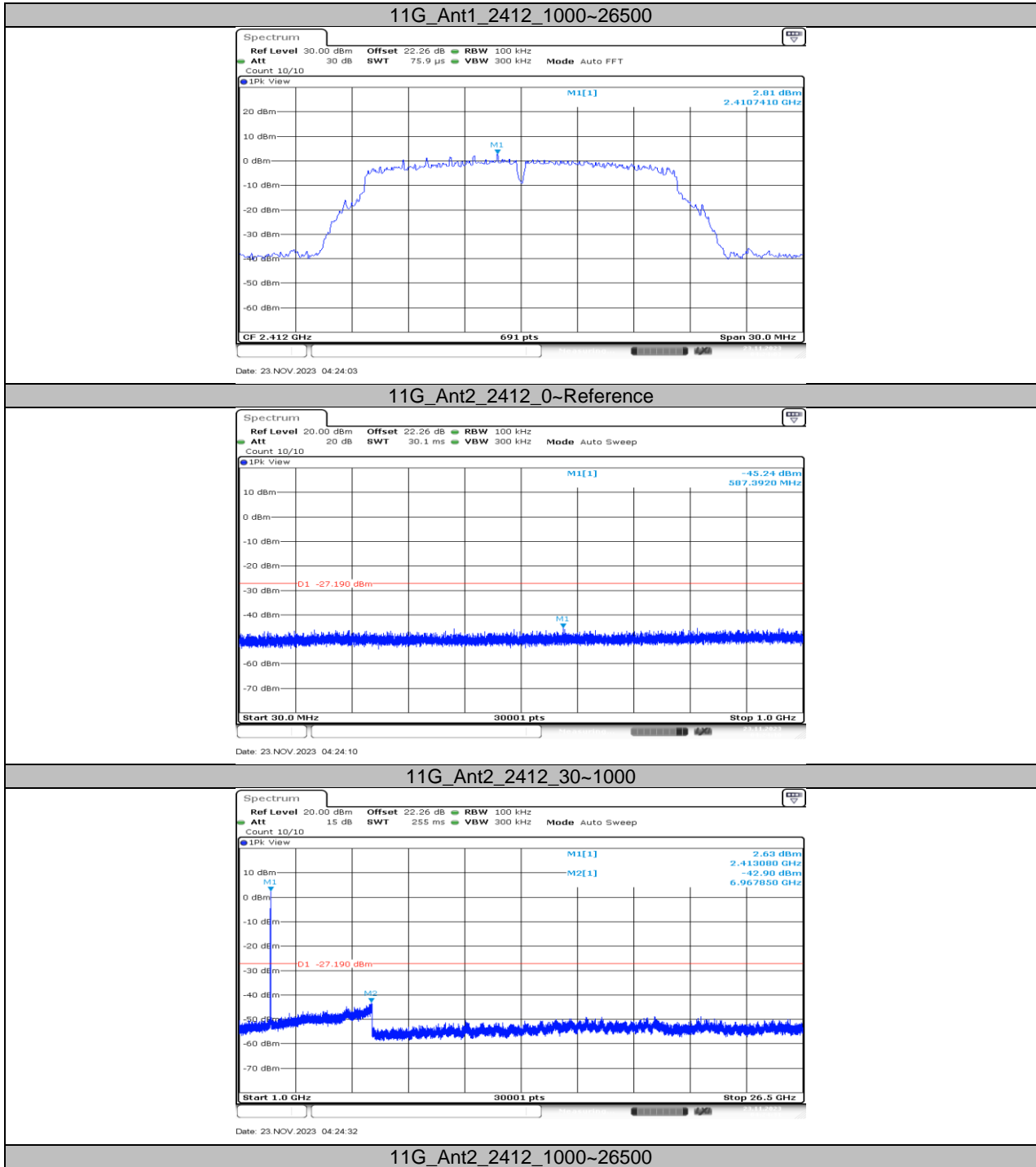


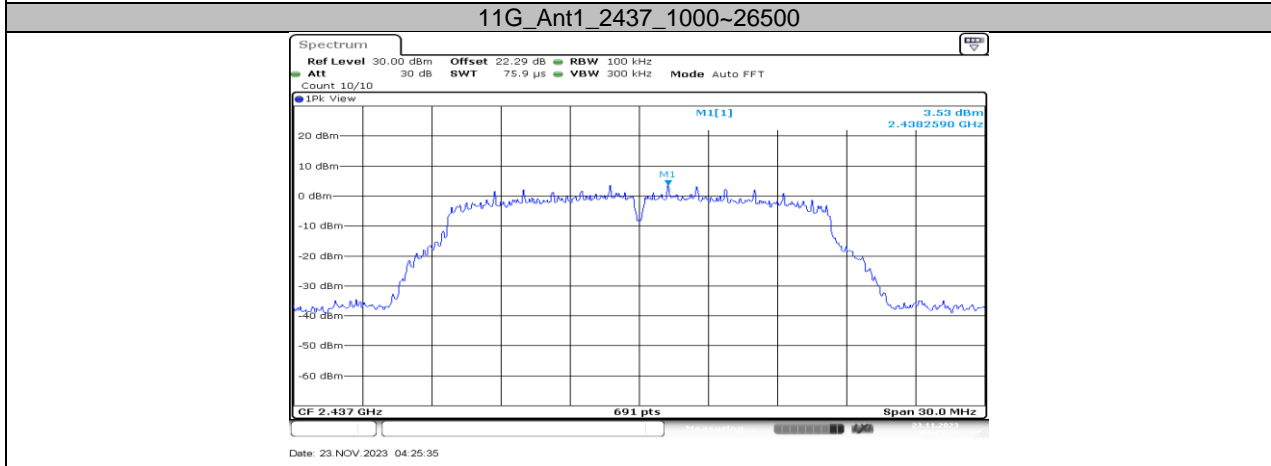
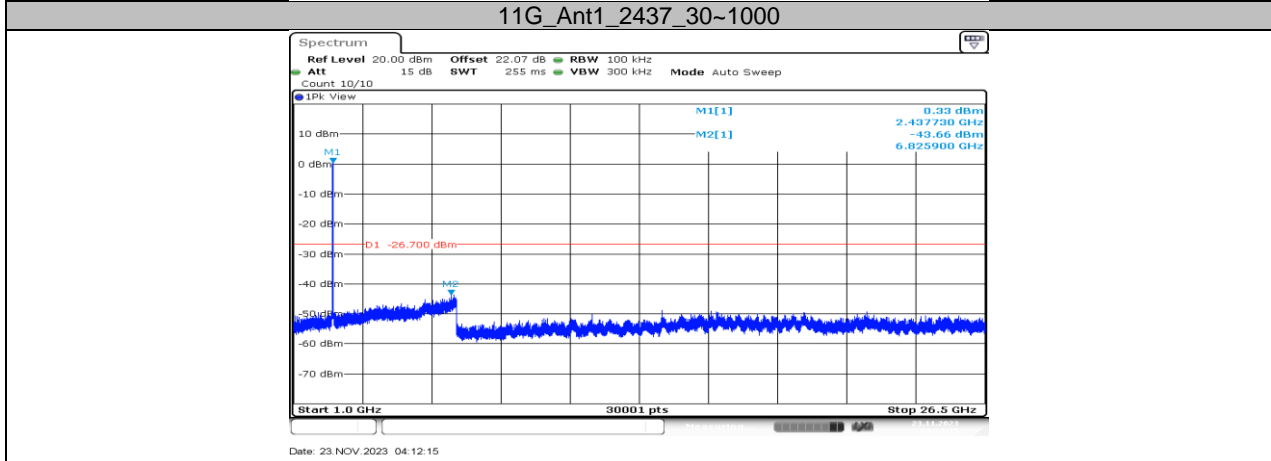
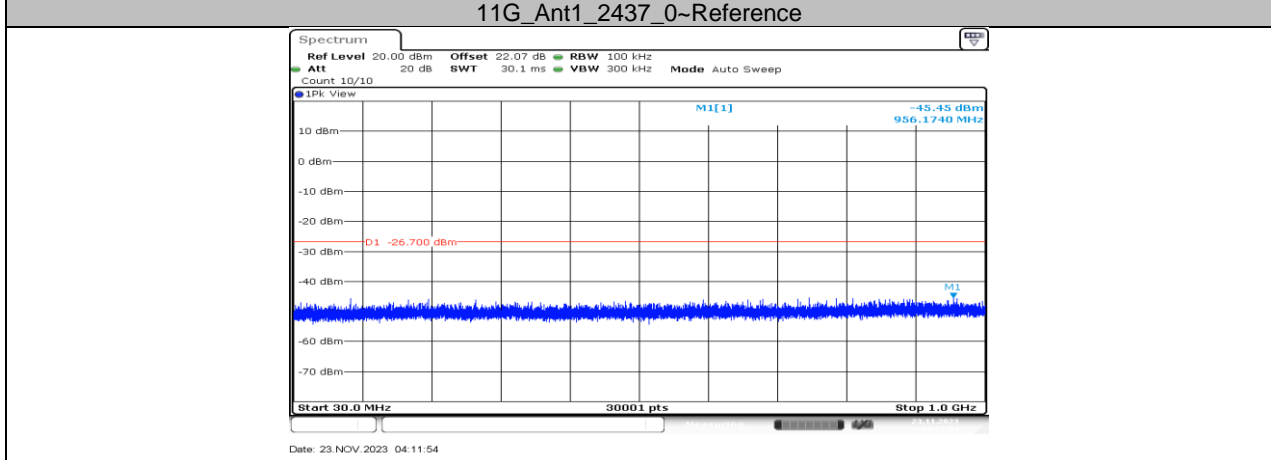
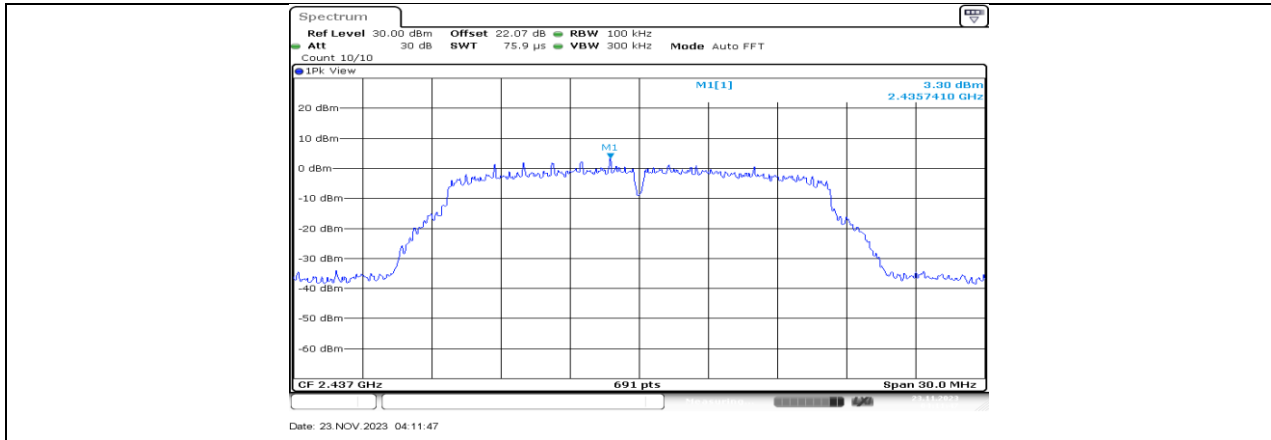
11G_Ant1_2412_0~Reference

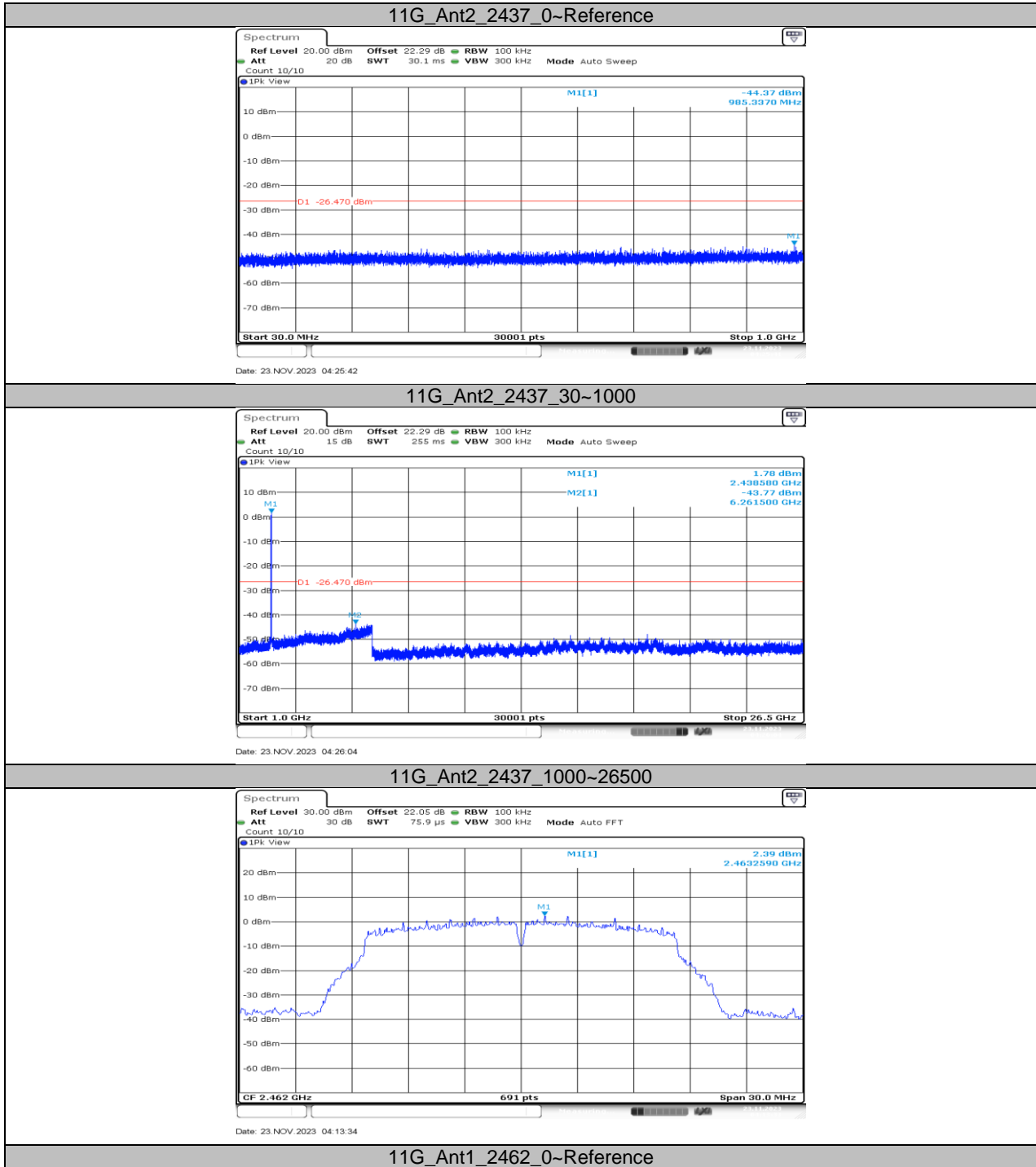


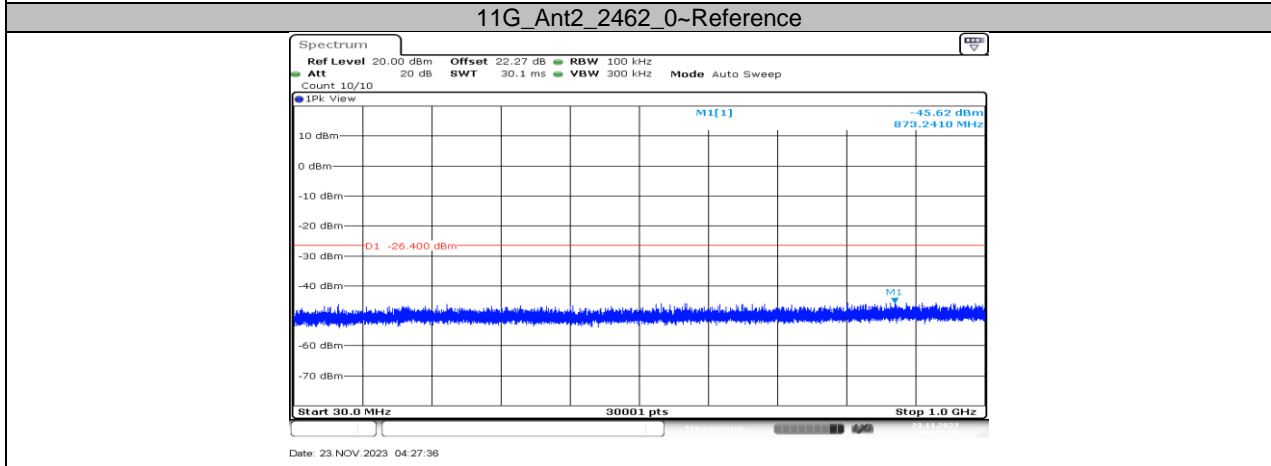
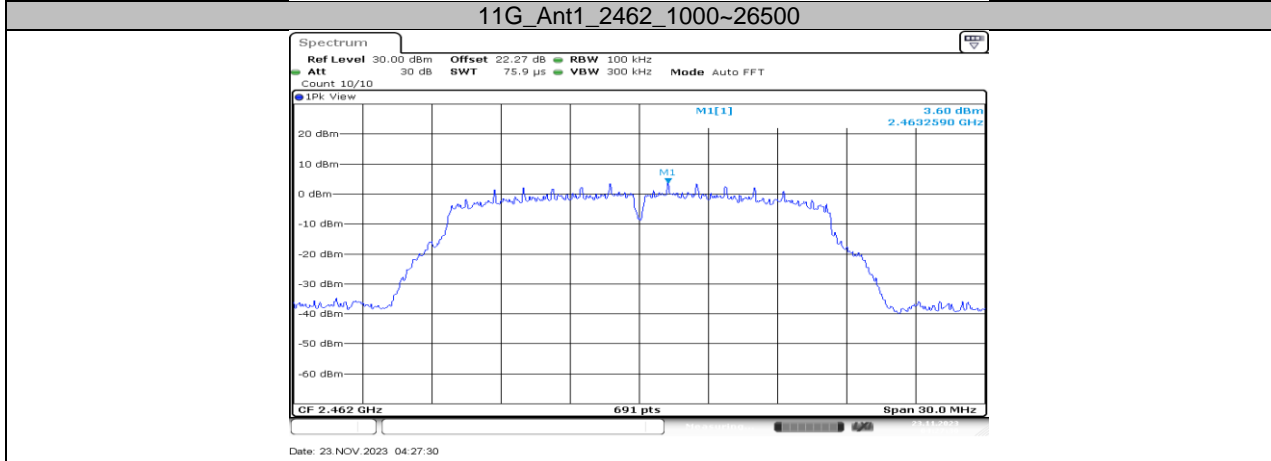
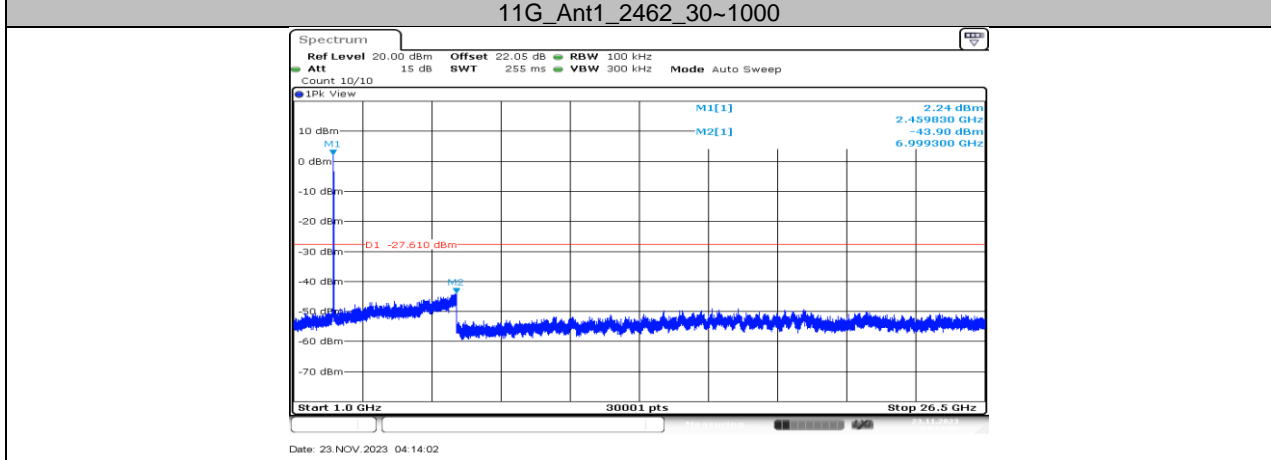
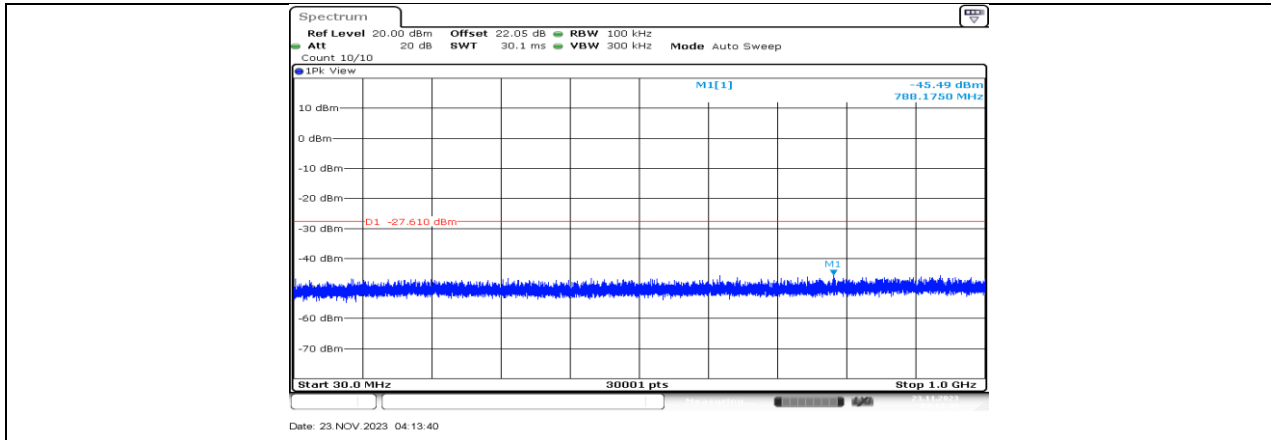
11G_Ant1_2412_30~1000

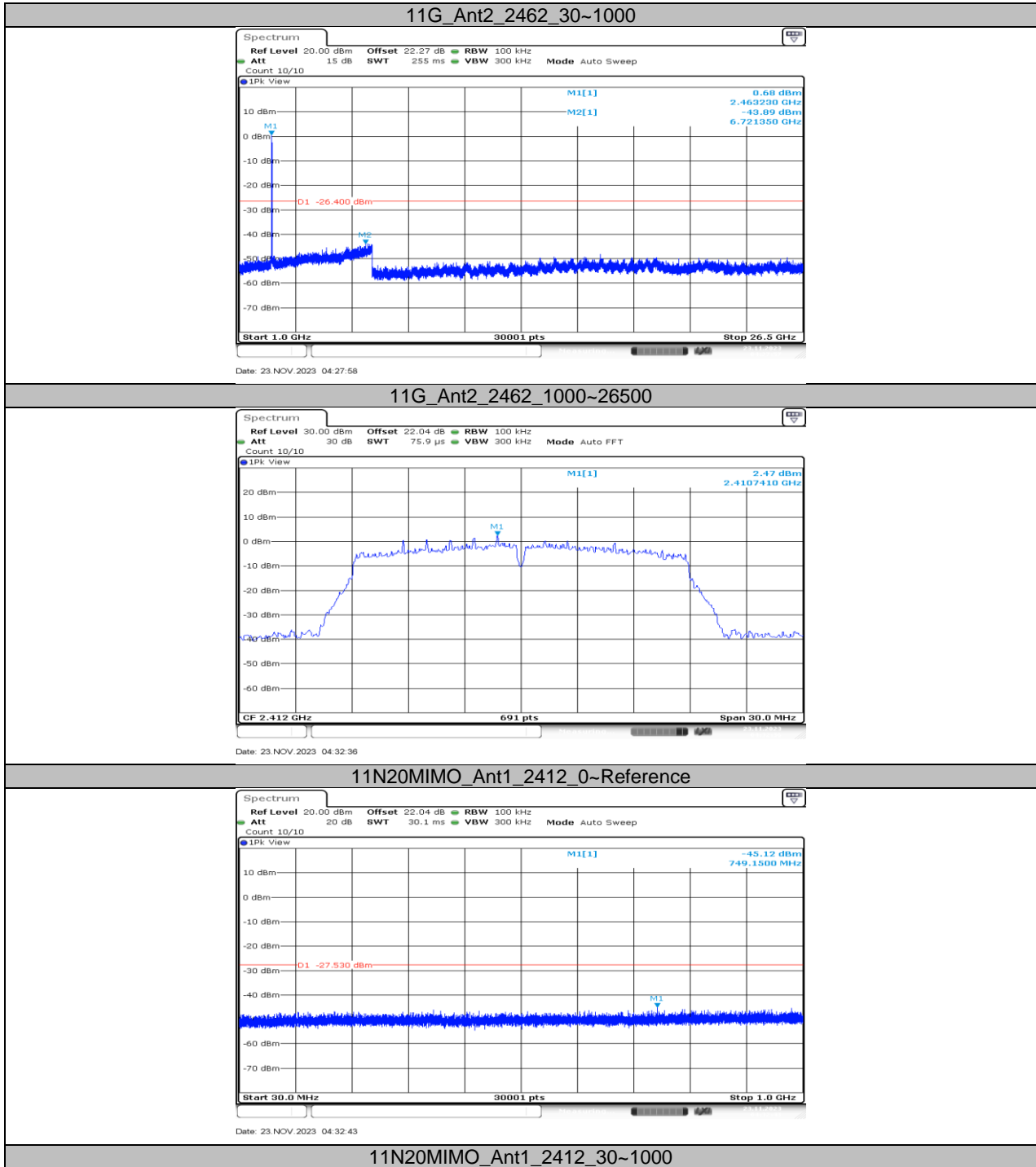


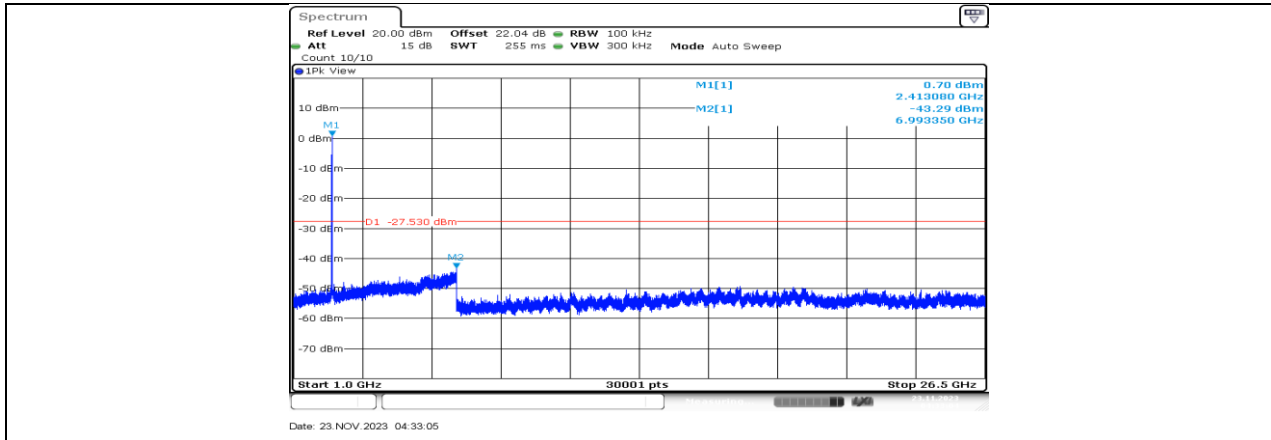




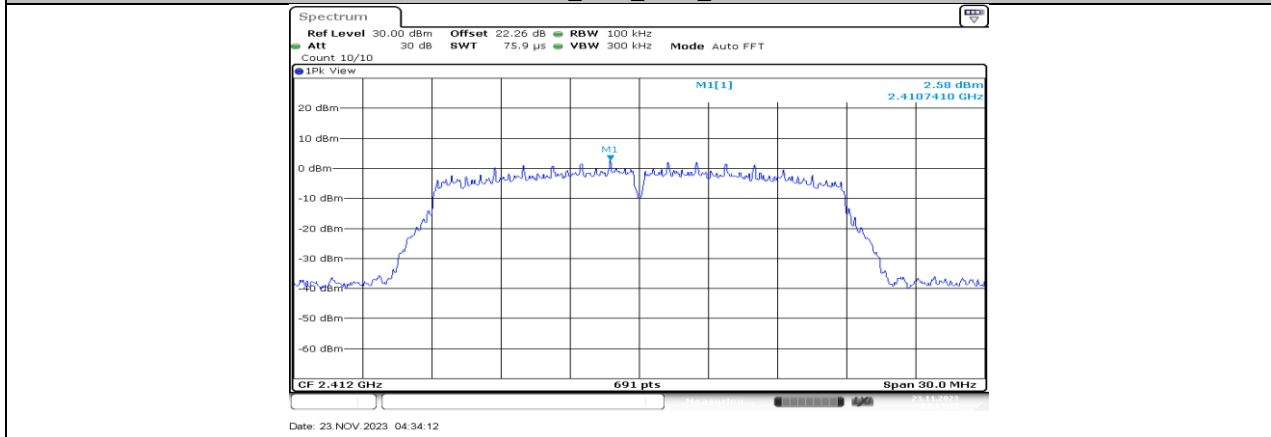




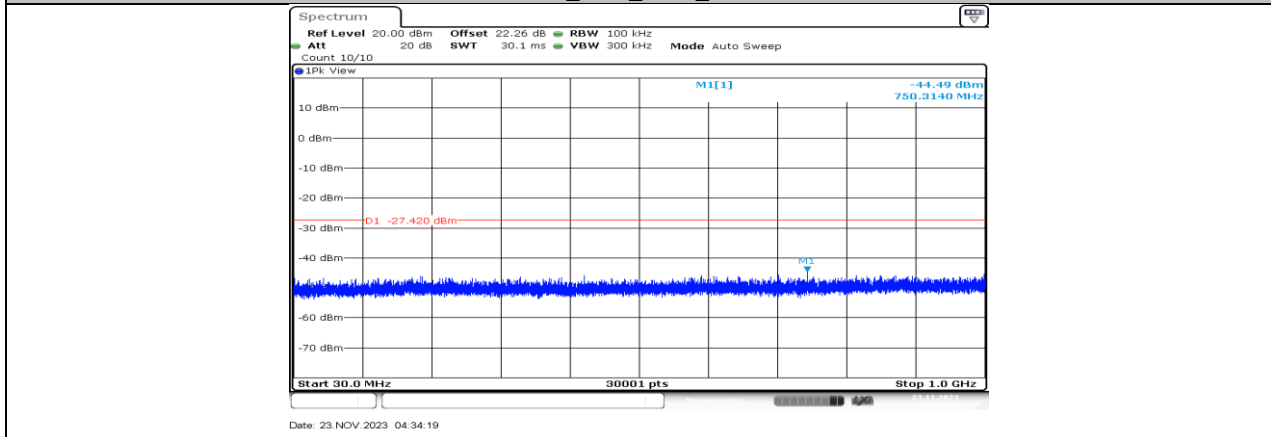




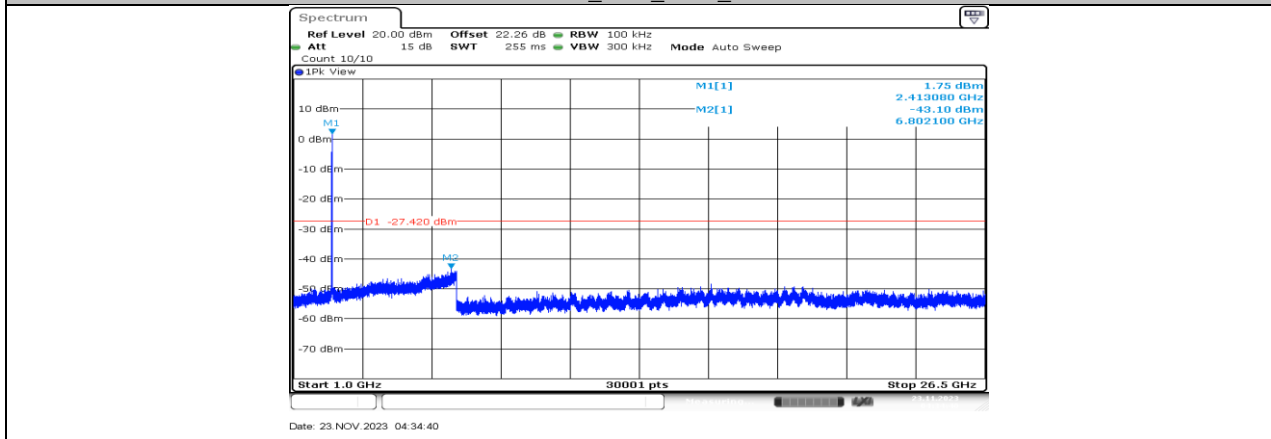
11N20MIMO_Ant1_2412_1000~26500

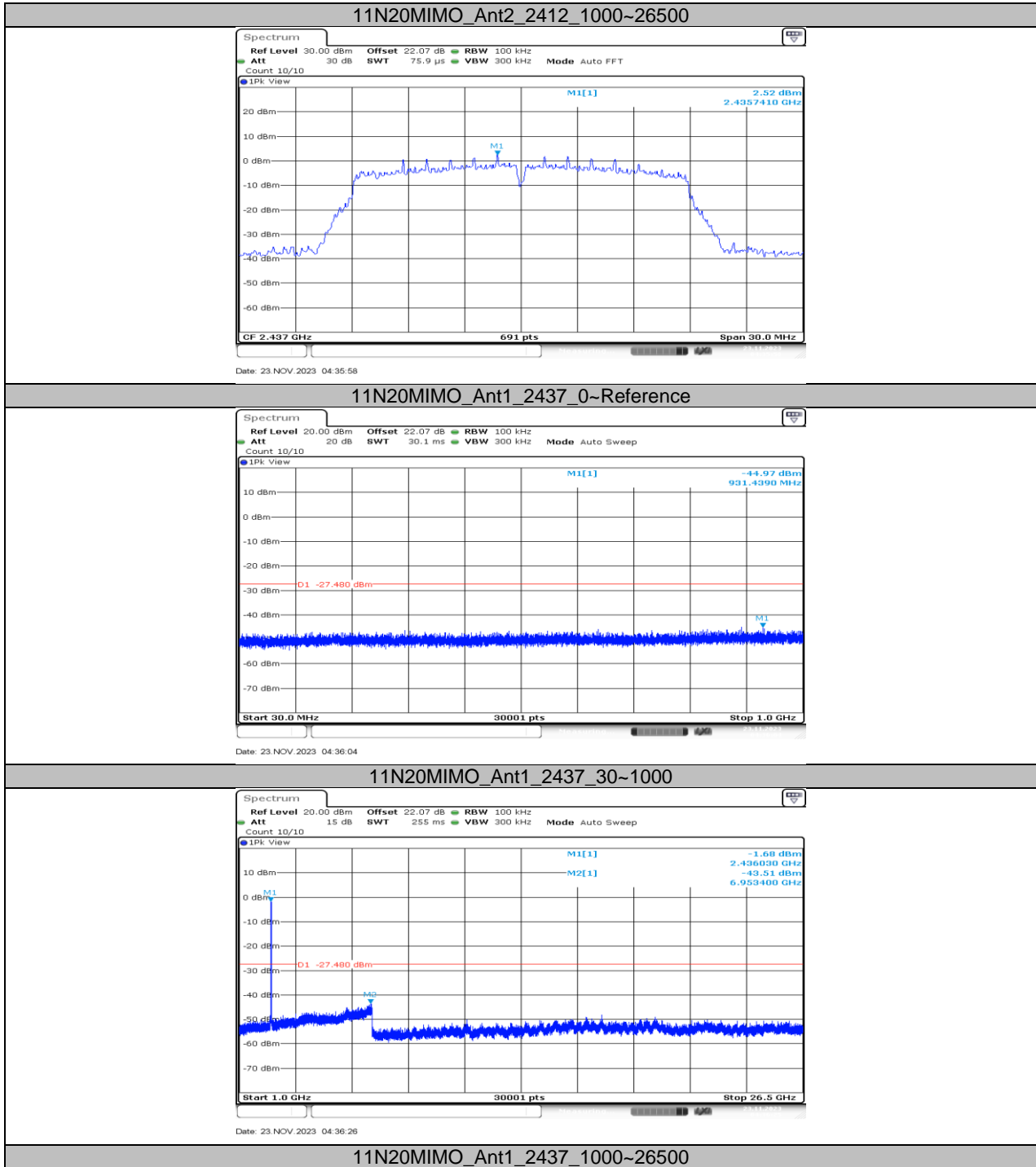


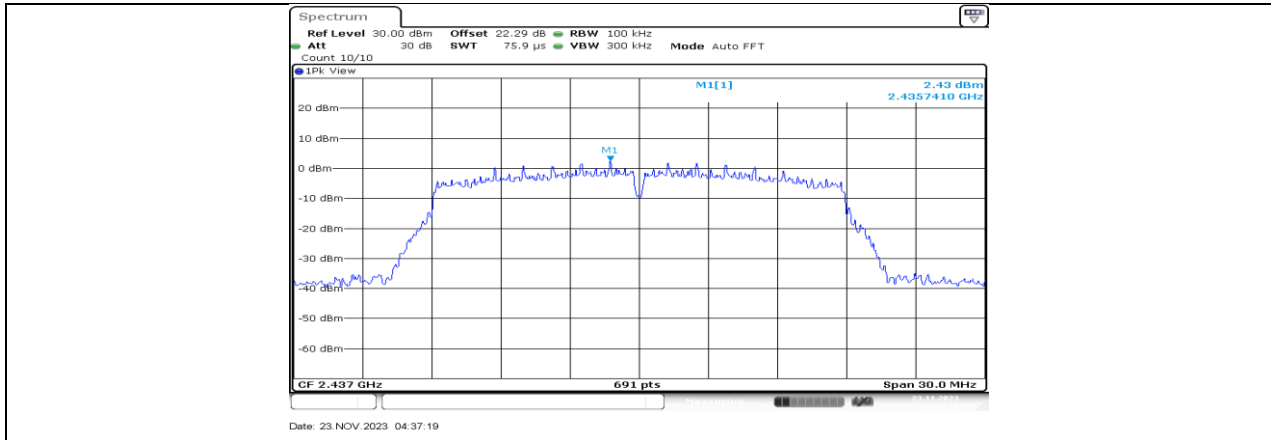
11N20MIMO_Ant2_2412_0~Reference



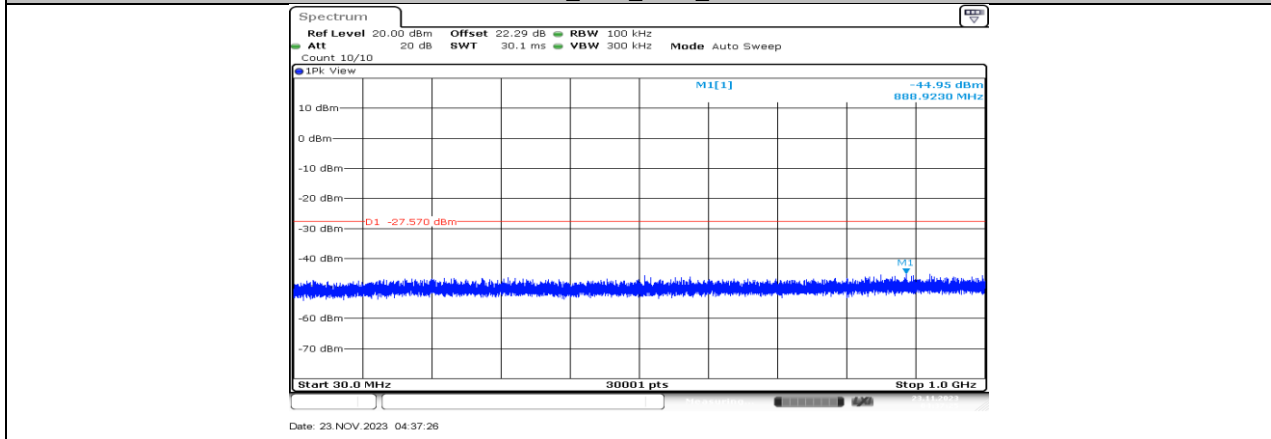
11N20MIMO_Ant2_2412_30~1000



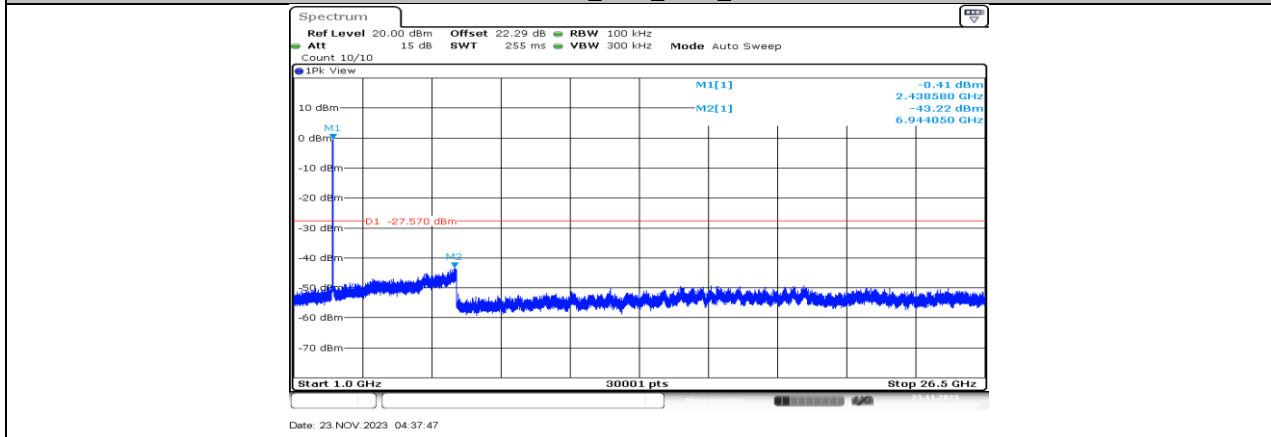




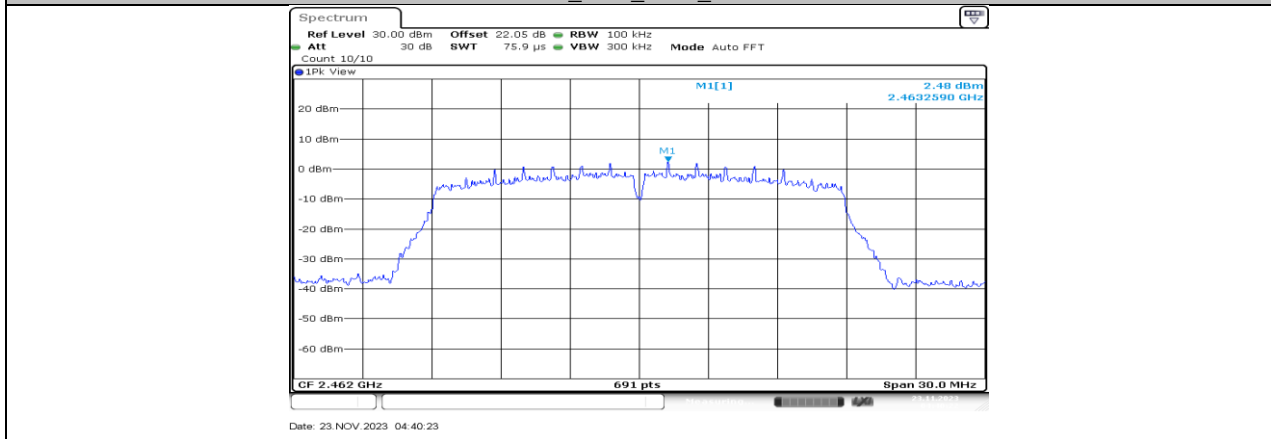
11N20MIMO_Ant2_2437_0~Reference

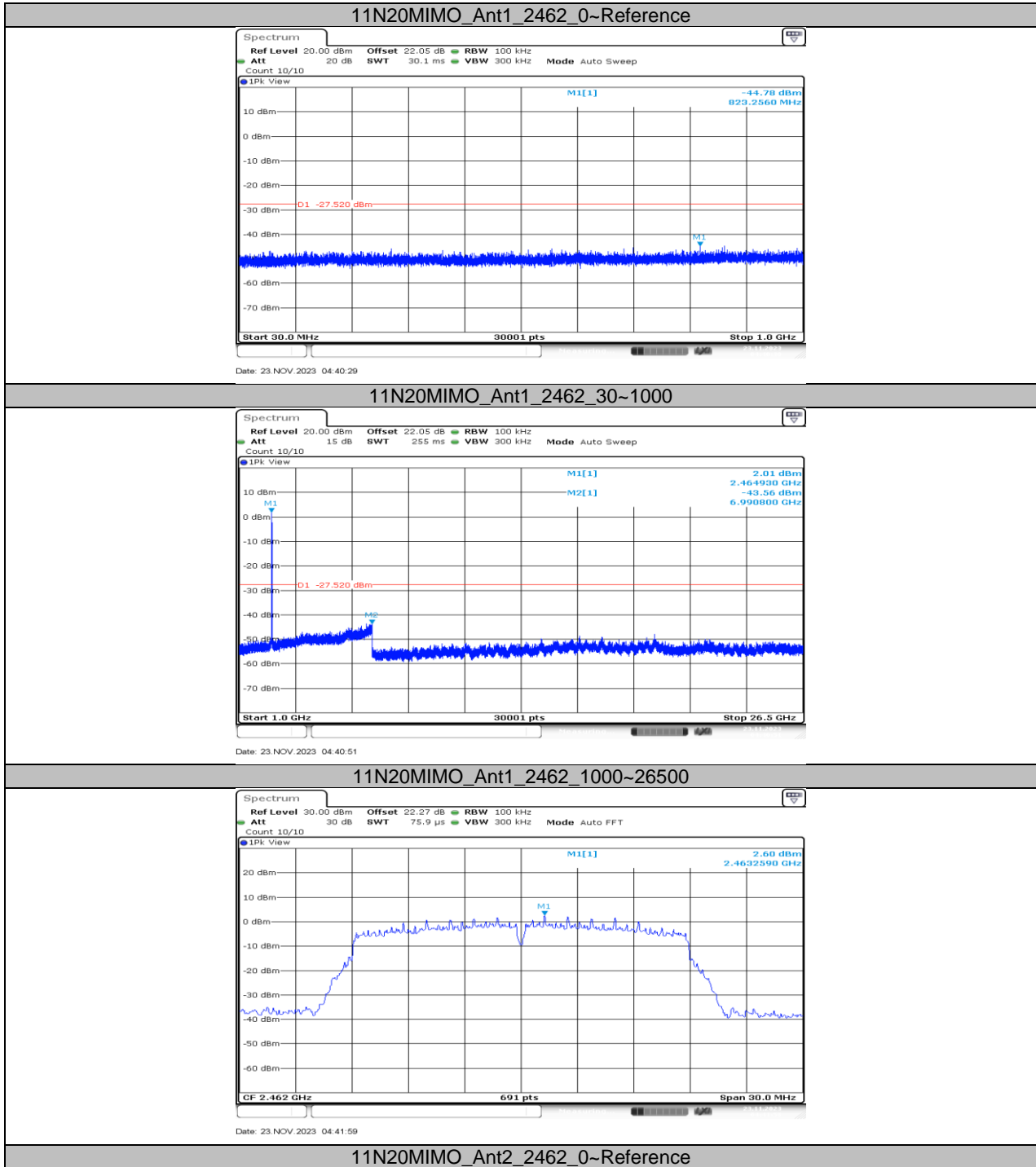


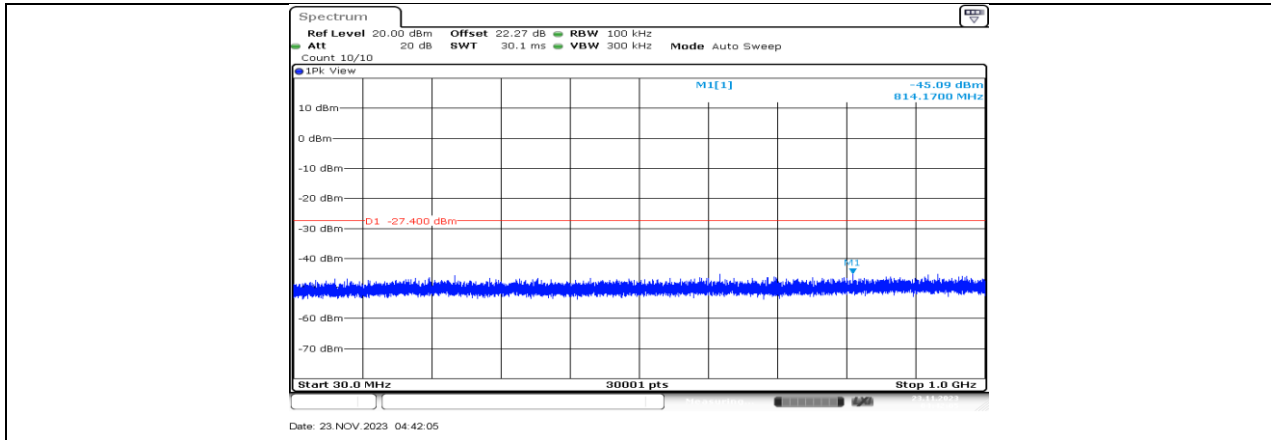
11N20MIMO_Ant2_2437_30~1000



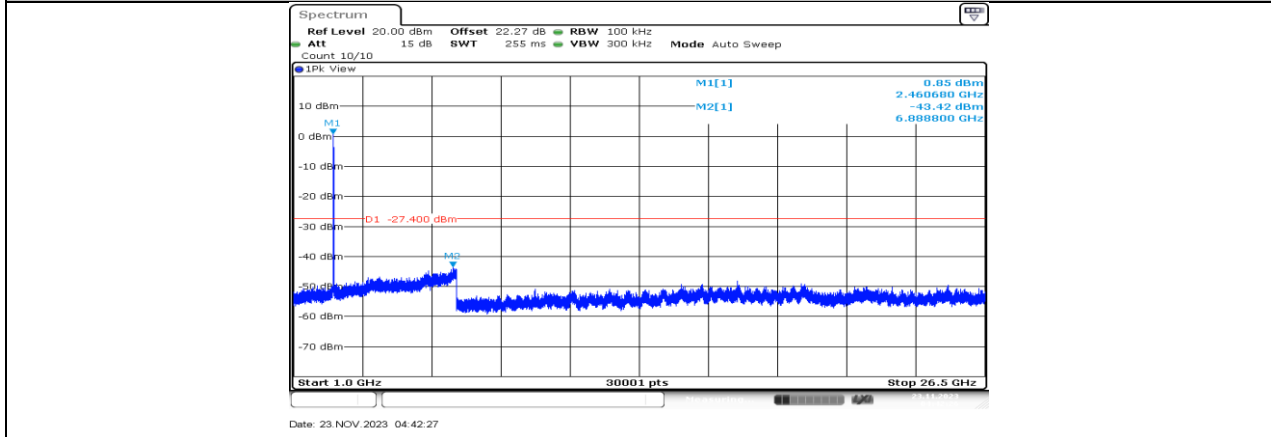
11N20MIMO_Ant2_2437_1000~26500



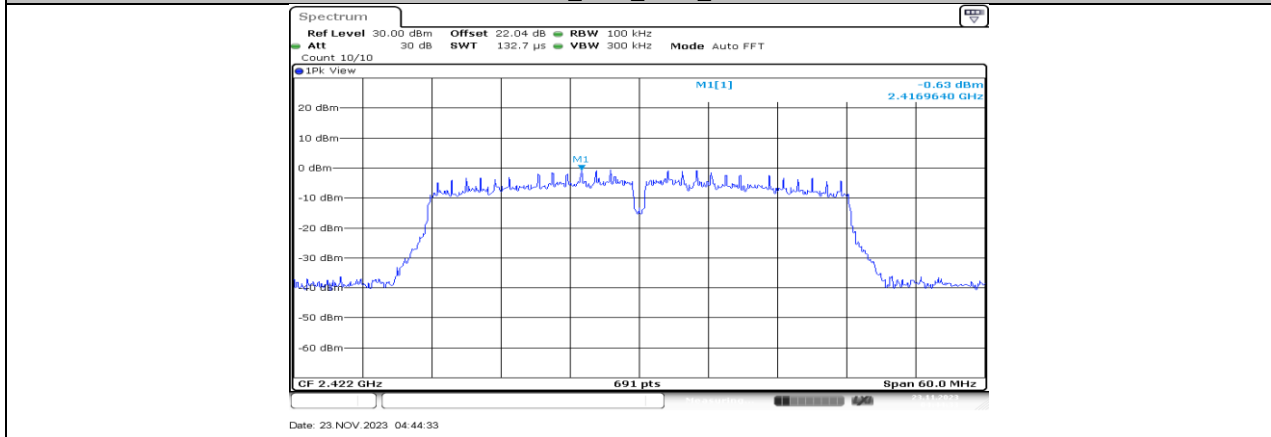




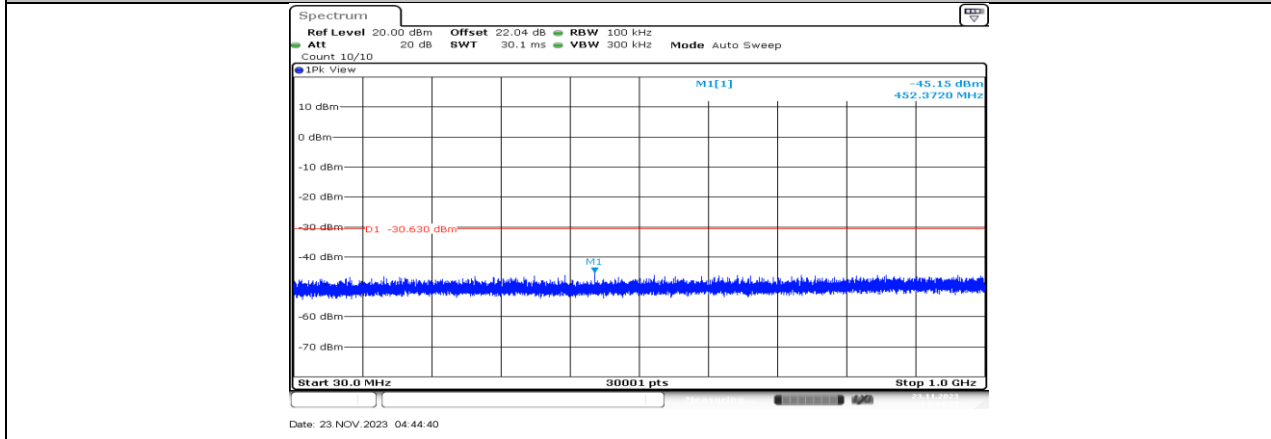
11N20MIMO_Ant2_2462_30~1000

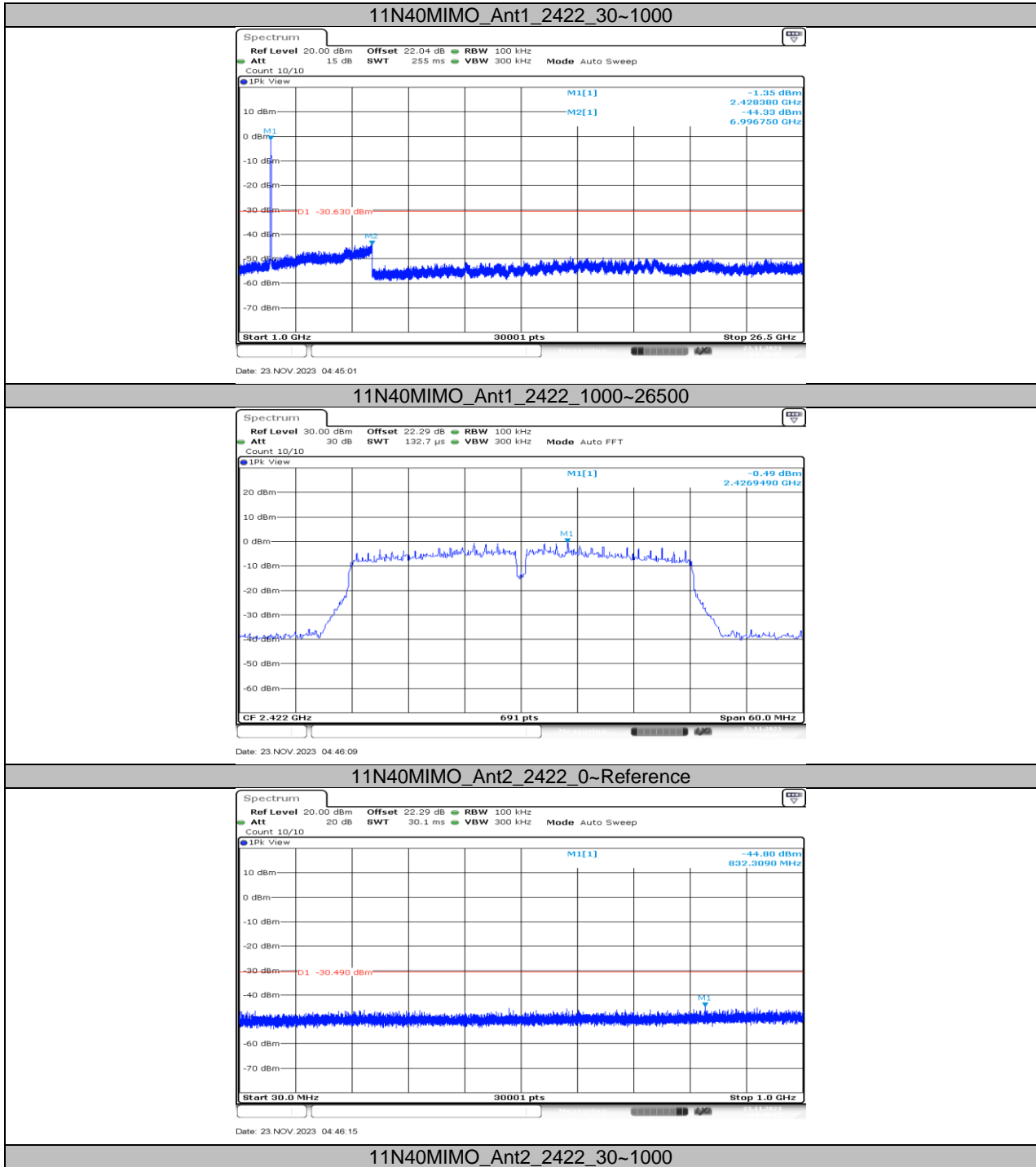


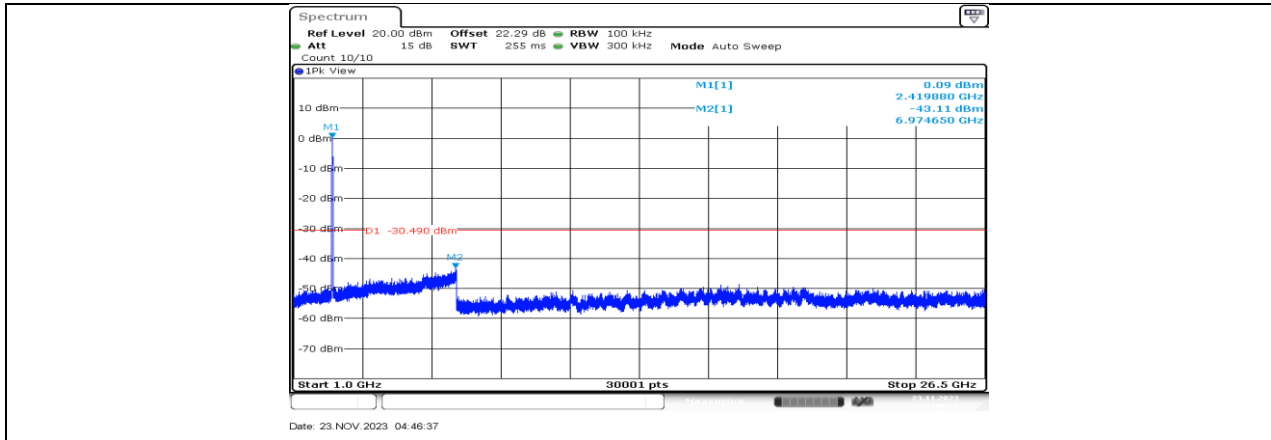
11N20MIMO_Ant2_2462_1000~26500



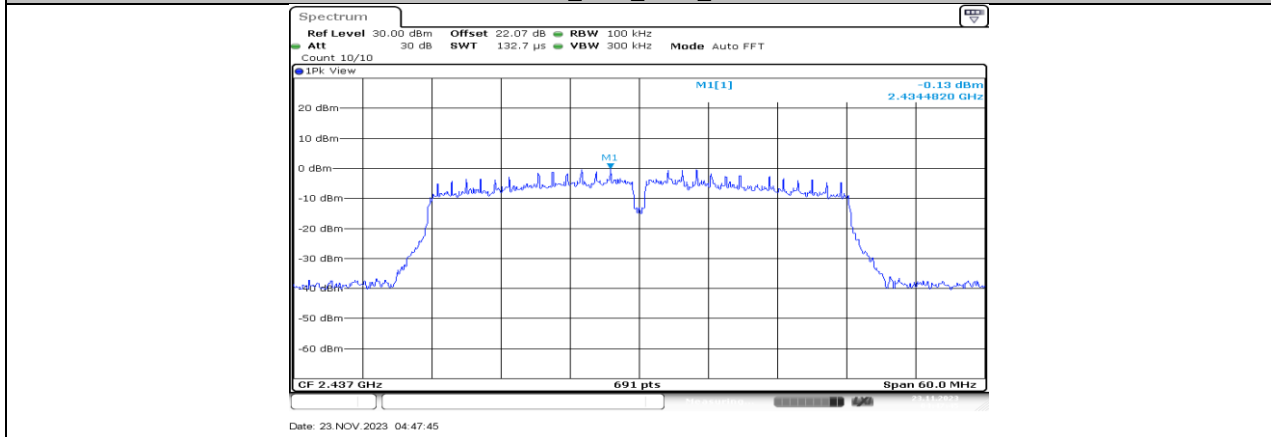
11N40MIMO_Ant1_2422_0~Reference



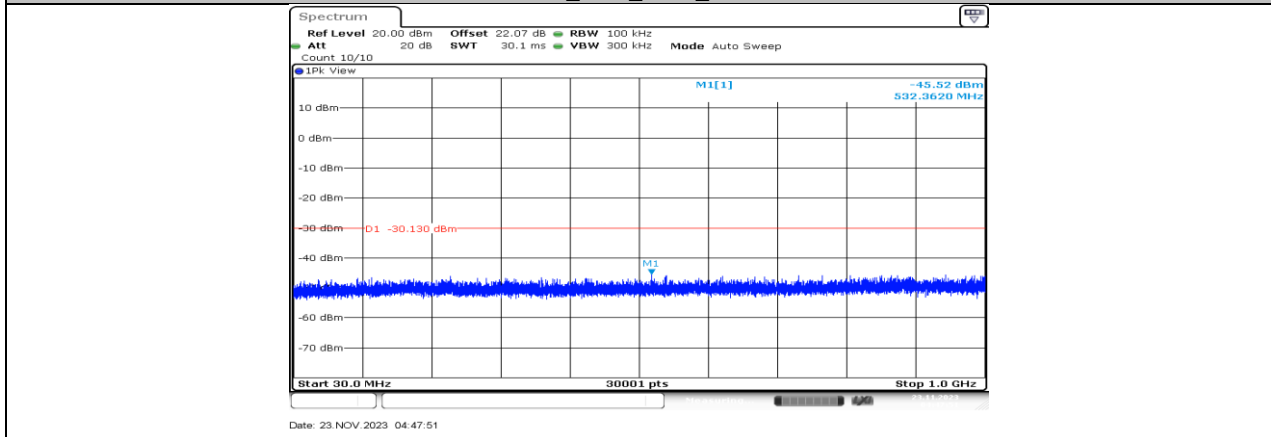




11N40MIMO_Ant2_2422_1000~26500



11N40MIMO_Ant1_2437_0~Reference



11N40MIMO_Ant1_2437_30~1000

