













11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

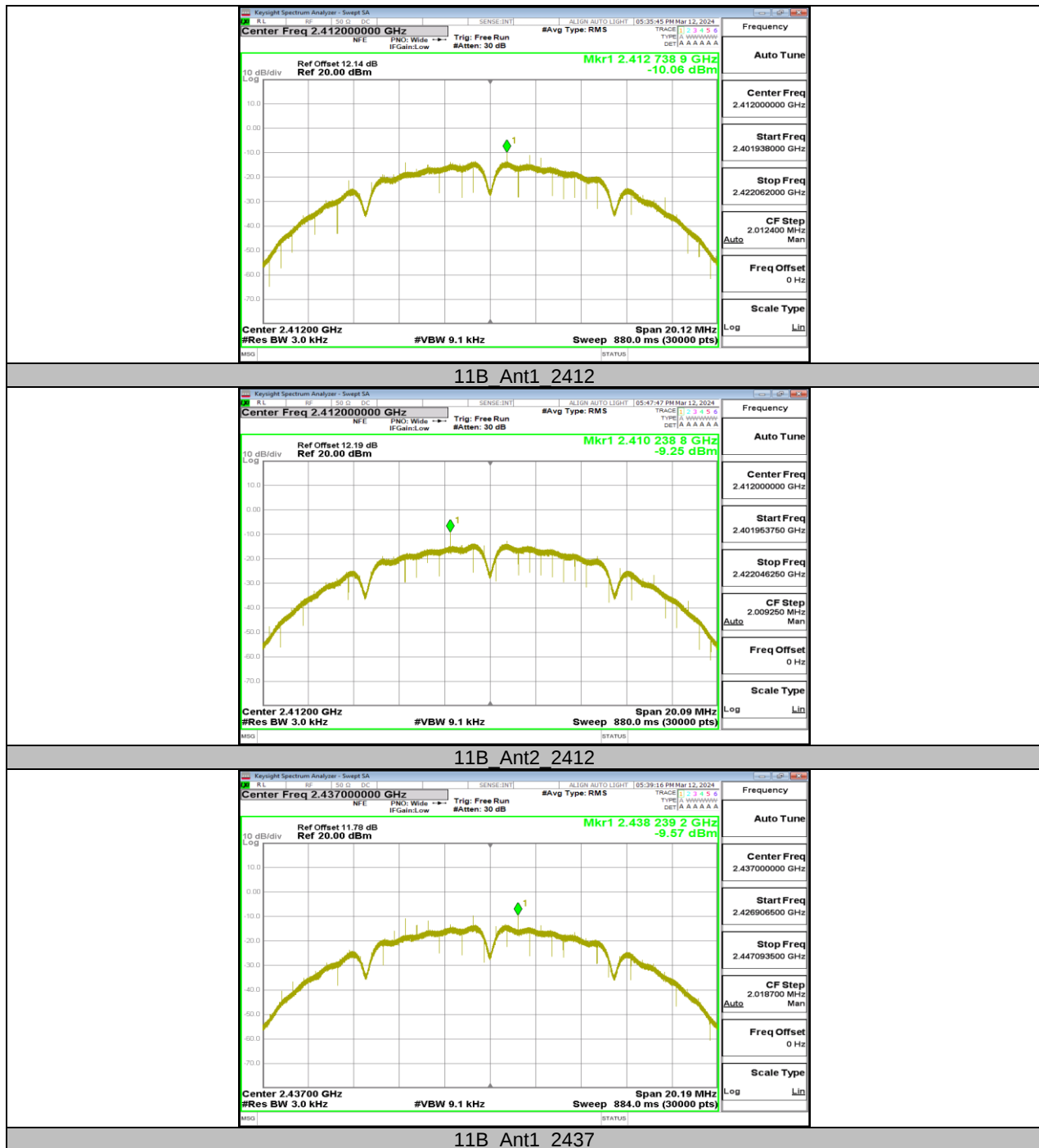
Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.49	≤30.00	PASS
	Ant2	2412	17.39	≤30.00	PASS
	Ant1	2437	17.72	≤30.00	PASS
	Ant2	2437	17.40	≤30.00	PASS
	Ant1	2462	17.69	≤30.00	PASS
	Ant2	2462	17.18	≤30.00	PASS
11G	Ant1	2412	15.66	≤30.00	PASS
	Ant2	2412	15.40	≤30.00	PASS
	Ant1	2437	15.38	≤30.00	PASS
	Ant2	2437	15.06	≤30.00	PASS
	Ant1	2462	15.58	≤30.00	PASS
	Ant2	2462	15.13	≤30.00	PASS
11N20MIMO	Ant1	2412	15.00	≤30.00	PASS
	Ant2	2412	14.96	≤30.00	PASS
	total	2412	17.99	≤30.00	PASS
	Ant1	2437	15.03	≤30.00	PASS
	Ant2	2437	14.54	≤30.00	PASS
	total	2437	17.80	≤30.00	PASS
	Ant1	2462	14.96	≤30.00	PASS
	Ant2	2462	14.64	≤30.00	PASS
11N40MIMO	total	2462	17.81	≤30.00	PASS
	Ant1	2422	12.23	≤30.00	PASS
	Ant2	2422	11.92	≤30.00	PASS
	total	2422	15.09	≤30.00	PASS
	Ant1	2437	11.79	≤30.00	PASS
	Ant2	2437	11.60	≤30.00	PASS
	total	2437	14.71	≤30.00	PASS
	Ant1	2452	12.39	≤30.00	PASS
	Ant2	2452	11.73	≤30.00	PASS
	total	2452	15.08	≤30.00	PASS

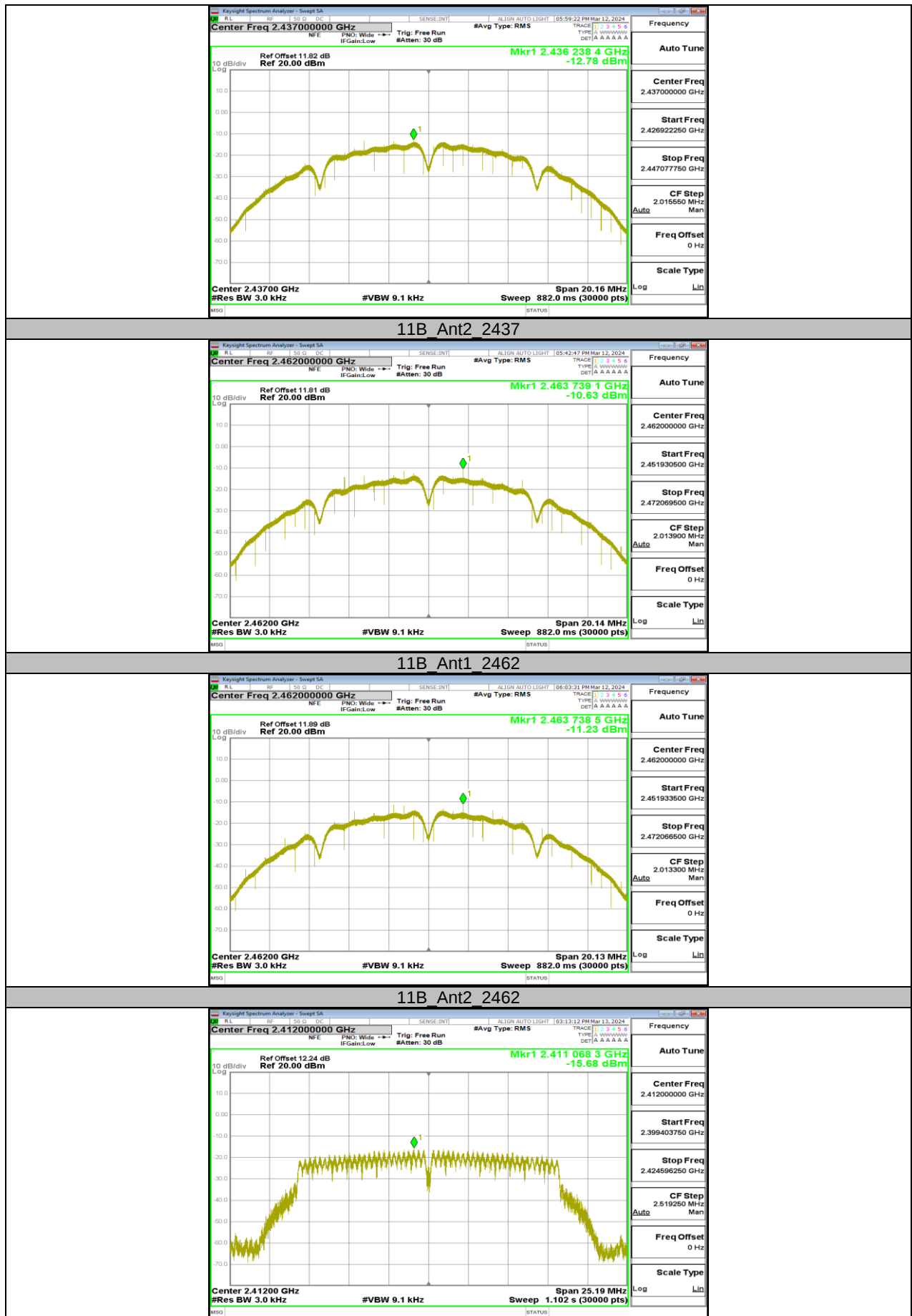
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

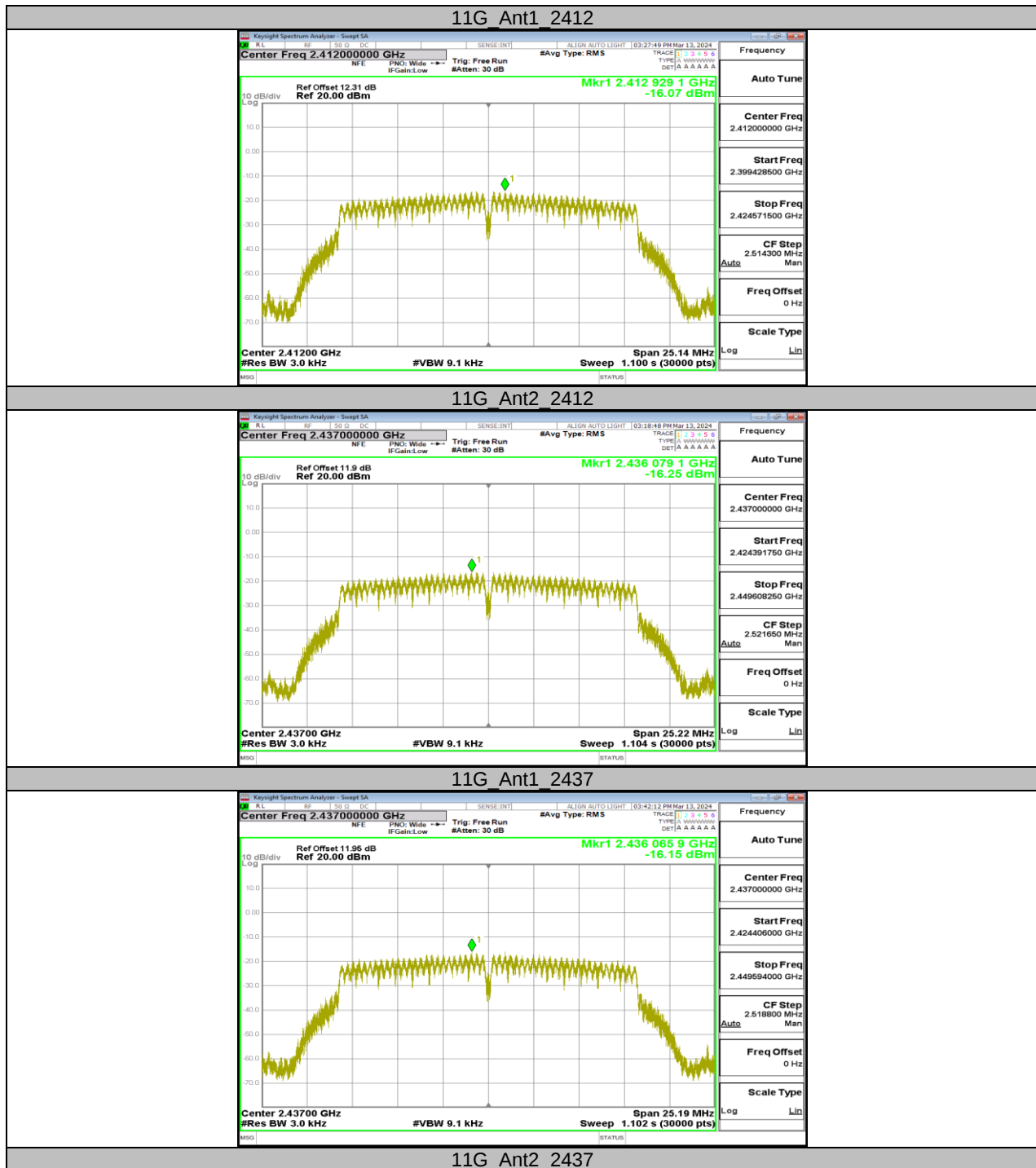
11.4.1. Test Result

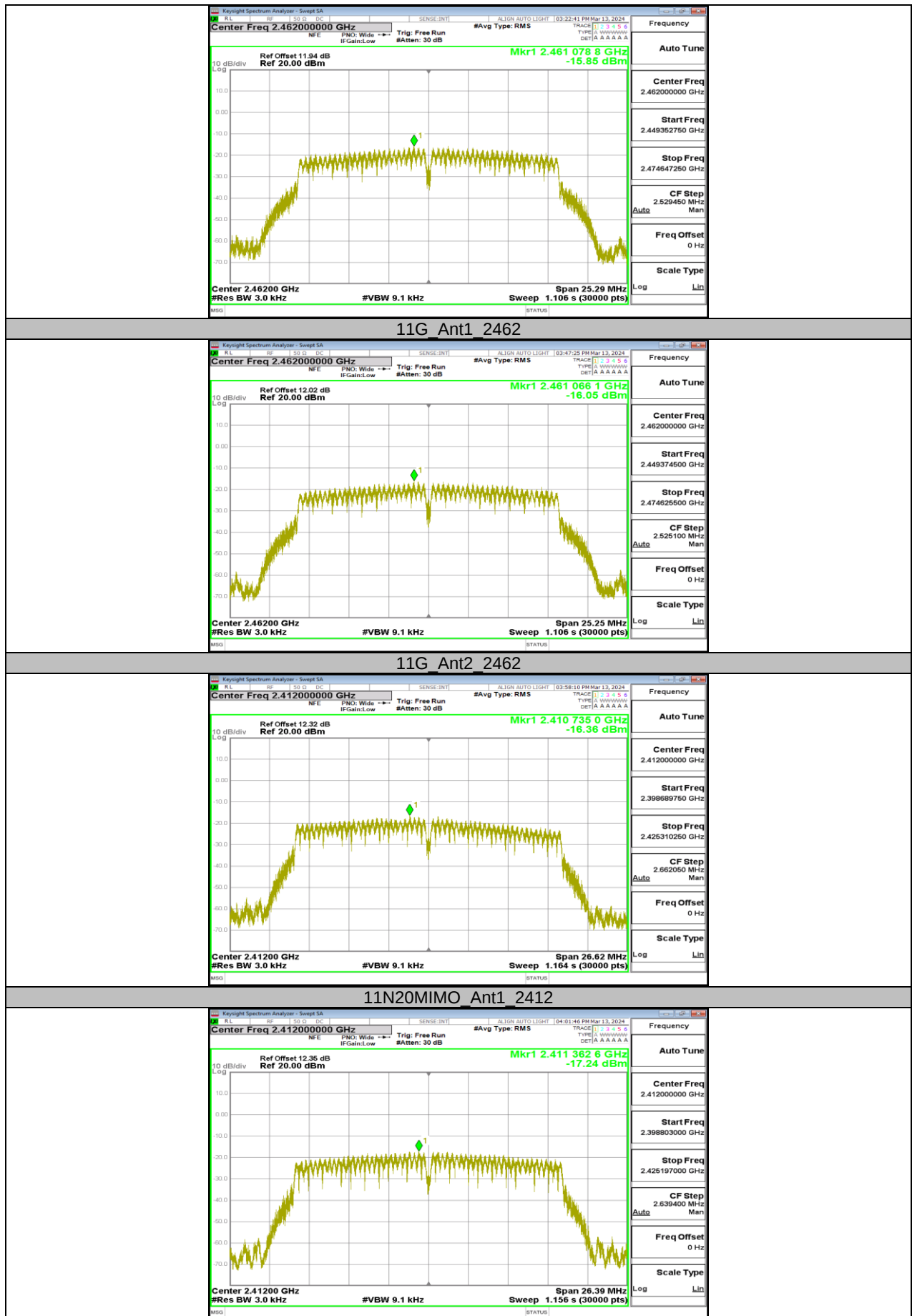
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.06	≤8.00	PASS
	Ant2	2412	-9.25	≤8.00	PASS
	Ant1	2437	-9.57	≤8.00	PASS
	Ant2	2437	-12.78	≤8.00	PASS
	Ant1	2462	-10.63	≤8.00	PASS
	Ant2	2462	-11.23	≤8.00	PASS
11G	Ant1	2412	-15.68	≤8.00	PASS
	Ant2	2412	-16.07	≤8.00	PASS
	Ant1	2437	-16.25	≤8.00	PASS
	Ant2	2437	-16.15	≤8.00	PASS
	Ant1	2462	-15.85	≤8.00	PASS
	Ant2	2462	-16.05	≤8.00	PASS
11N20MIMO	Ant1	2412	-16.36	≤8.00	PASS
	Ant2	2412	-17.24	≤8.00	PASS
	total	2412	-13.77	≤8.00	PASS
	Ant1	2437	-16.71	≤8.00	PASS
	Ant2	2437	-16.69	≤8.00	PASS
	total	2437	-13.69	≤8.00	PASS
	Ant1	2462	-15.78	≤8.00	PASS
	Ant2	2462	-17.18	≤8.00	PASS
	total	2462	-13.41	≤8.00	PASS
11N40MIMO	Ant1	2422	-21.33	≤8.00	PASS
	Ant2	2422	-22.02	≤8.00	PASS
	total	2422	-18.65	≤8.00	PASS
	Ant1	2437	-22.80	≤8.00	PASS
	Ant2	2437	-21.54	≤8.00	PASS
	total	2437	-19.11	≤8.00	PASS
	Ant1	2452	-21.29	≤8.00	PASS
	Ant2	2452	-22.45	≤8.00	PASS
	total	2452	-18.82	≤8.00	PASS

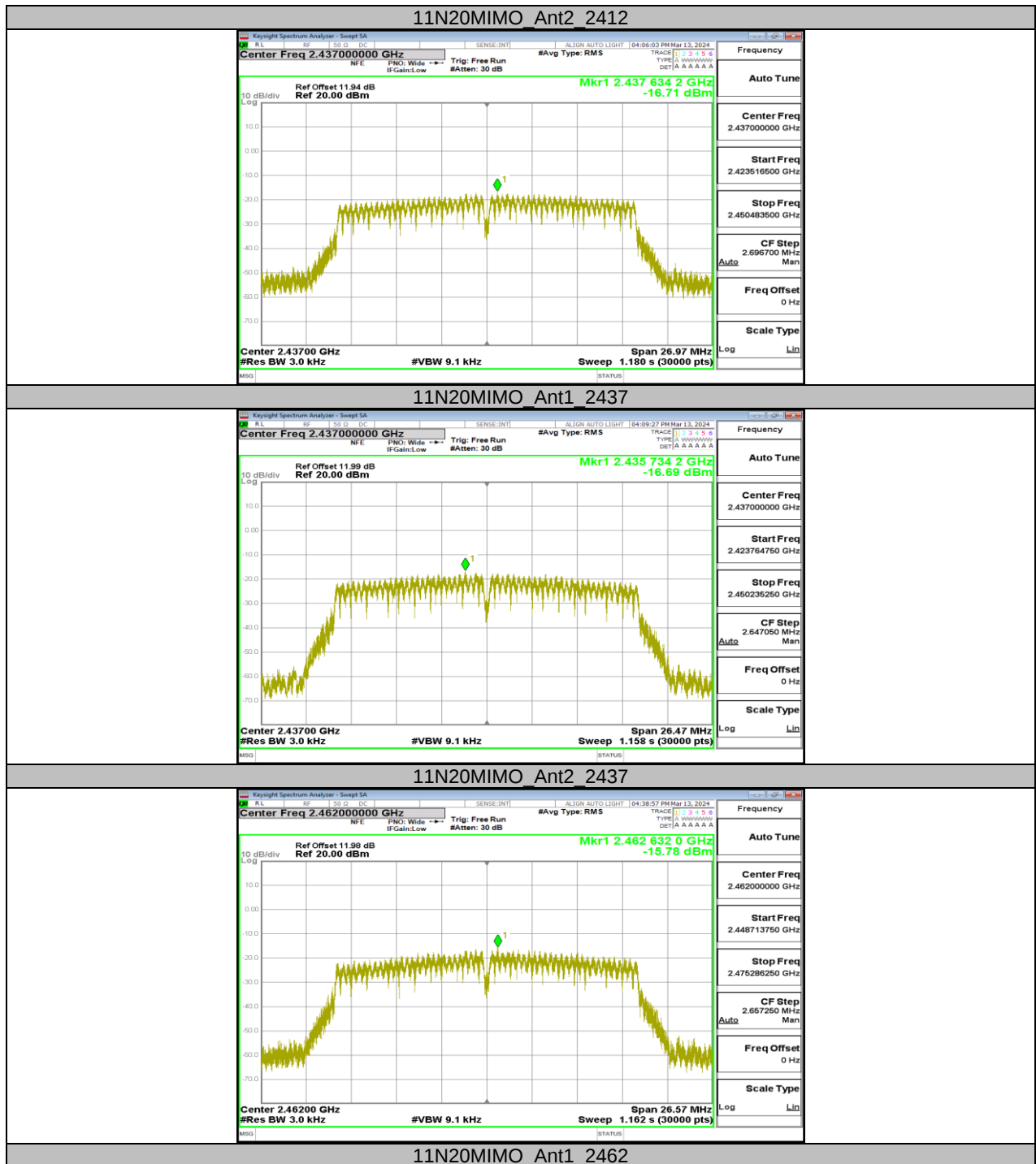
11.4.2. Test Graphs

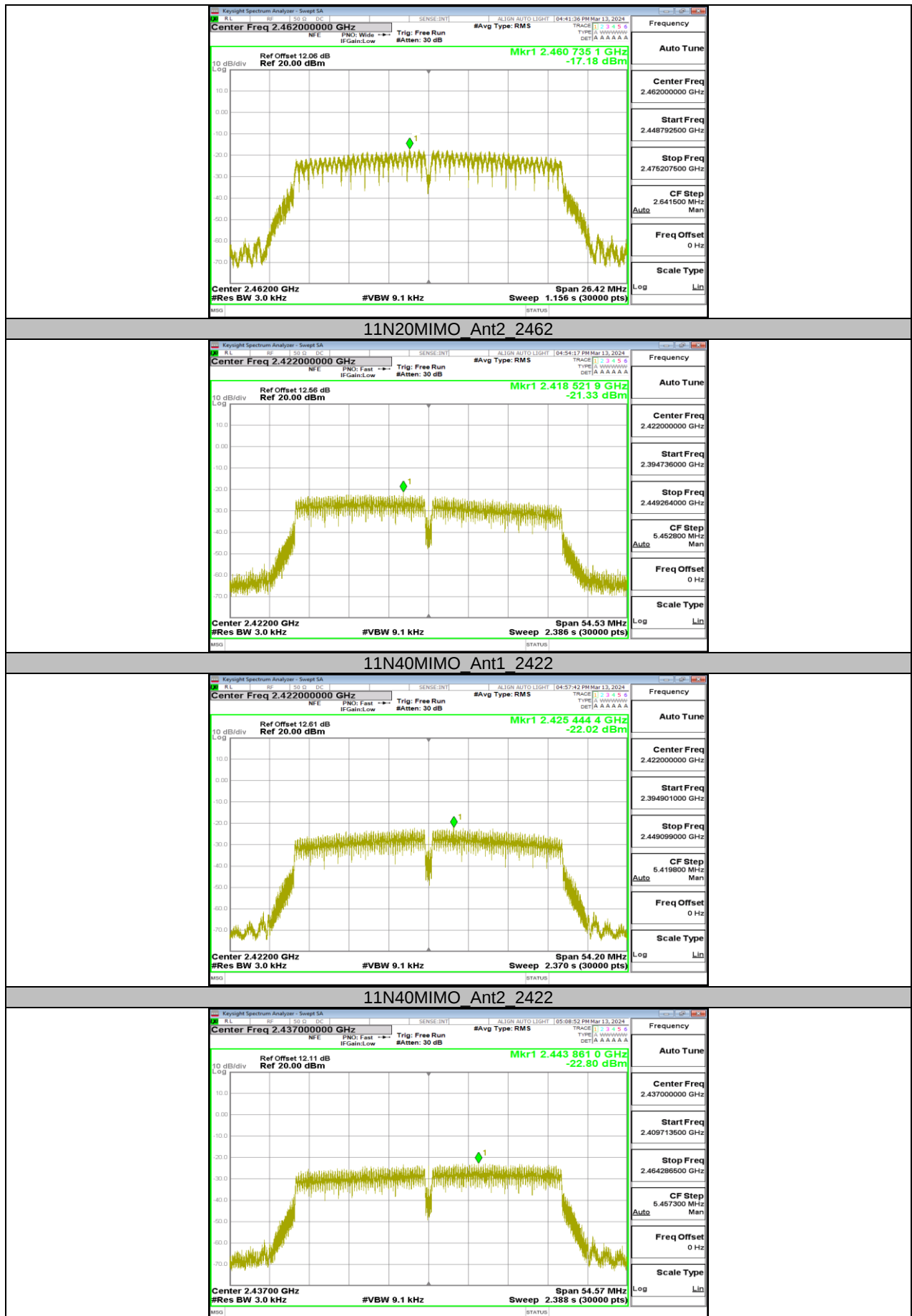


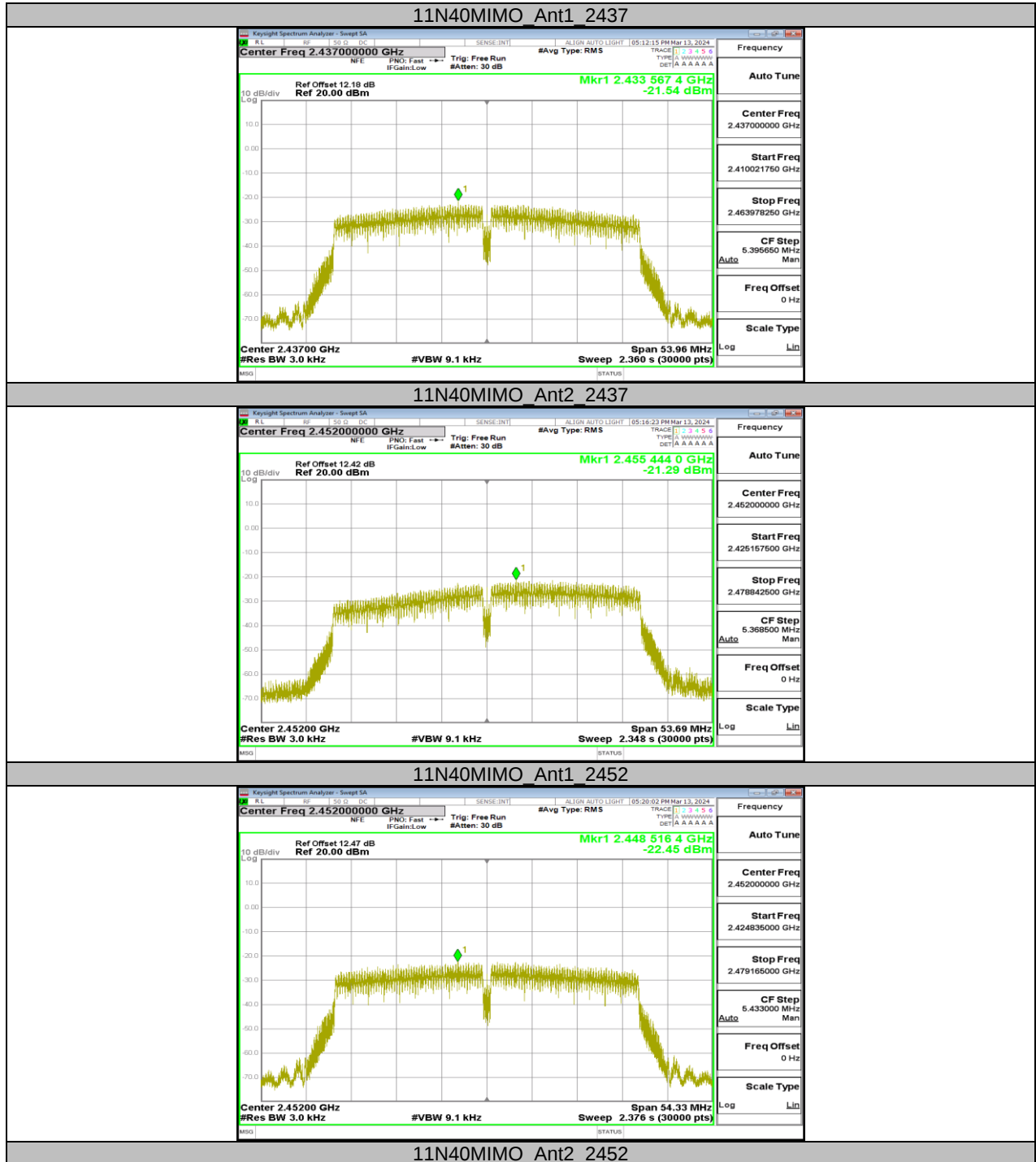










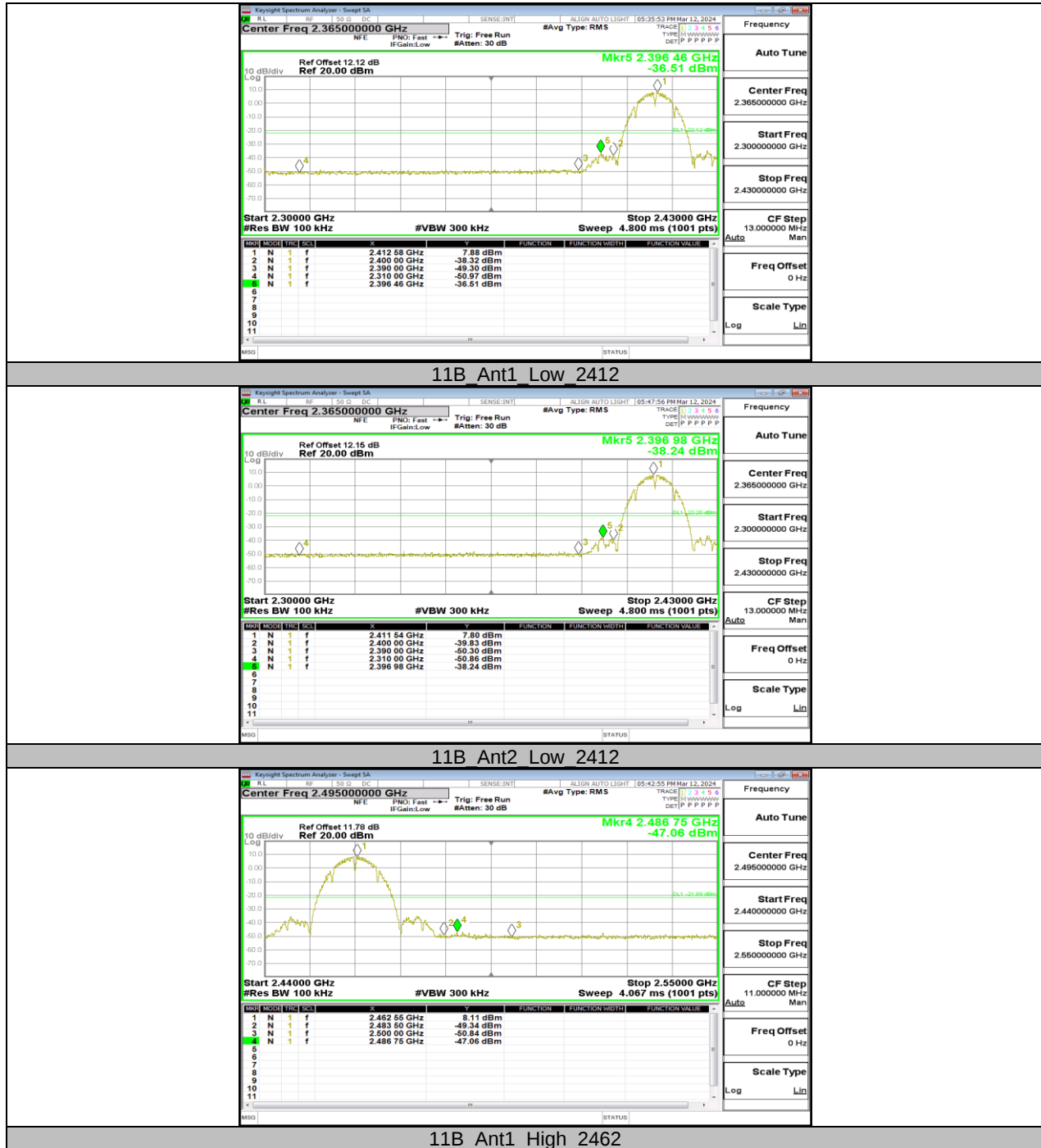


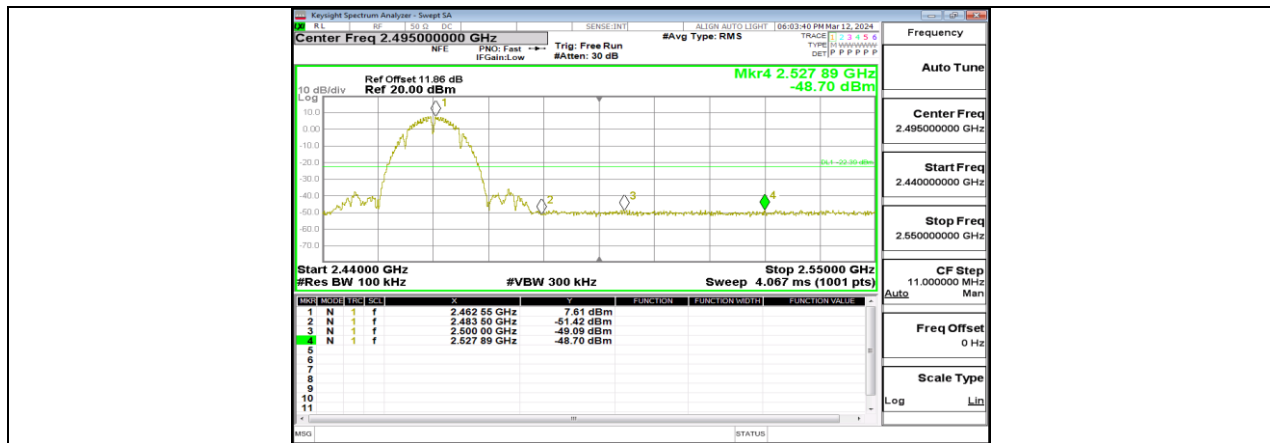
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

11.5.1. Test Result

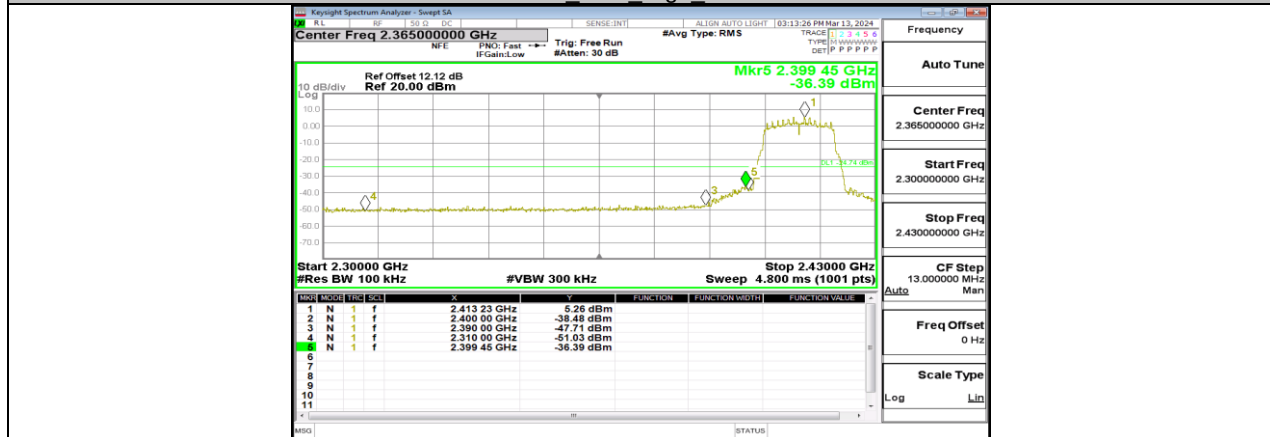
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.88	-36.51	≤-22.12	PASS
	Ant2	Low	2412	7.80	-38.24	≤-22.2	PASS
	Ant1	High	2462	8.11	-47.07	≤-21.89	PASS
	Ant2	High	2462	7.61	-48.7	≤-22.39	PASS
11G	Ant1	Low	2412	5.26	-36.39	≤-24.74	PASS
	Ant2	Low	2412	5.05	-38.23	≤-24.96	PASS
	Ant1	High	2462	5.21	-45.45	≤-24.79	PASS
	Ant2	High	2462	4.68	-46.15	≤-25.32	PASS
11N20MIMO	Ant1	Low	2412	5.01	-35.72	≤-25	PASS
	Ant2	Low	2412	4.26	-39.24	≤-25.74	PASS
	Ant1	High	2462	4.67	-40.41	≤-25.33	PASS
	Ant2	High	2462	4.18	-47.11	≤-25.82	PASS
11N40MIMO	Ant1	Low	2422	-0.91	-32.72	≤-30.91	PASS
	Ant2	Low	2422	-1.07	-40.38	≤-31.07	PASS
	Ant1	High	2452	-0.14	-38.37	≤-30.14	PASS
	Ant2	High	2452	-1.21	-47.21	≤-31.21	PASS

11.5.2. Test Graphs

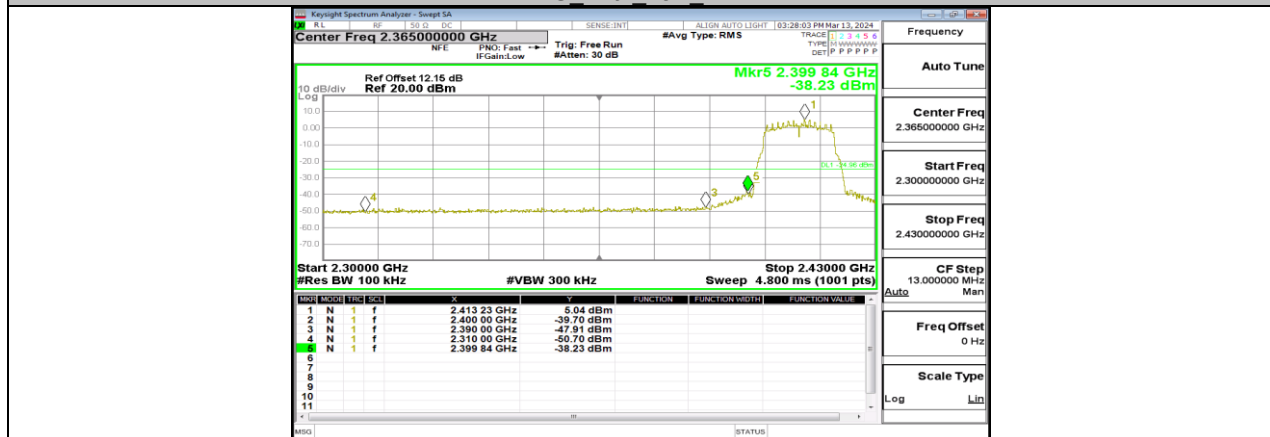




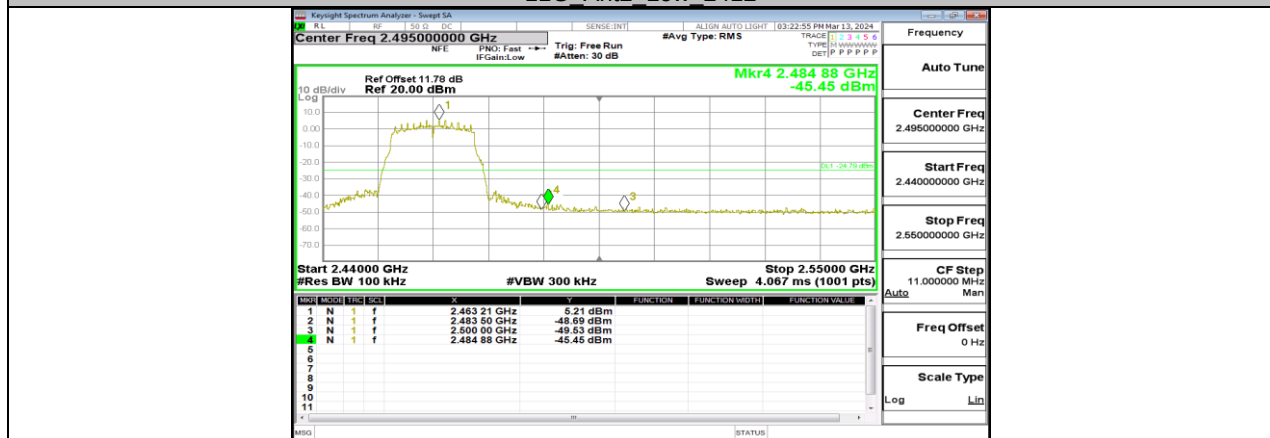
11B Ant2 High 2462



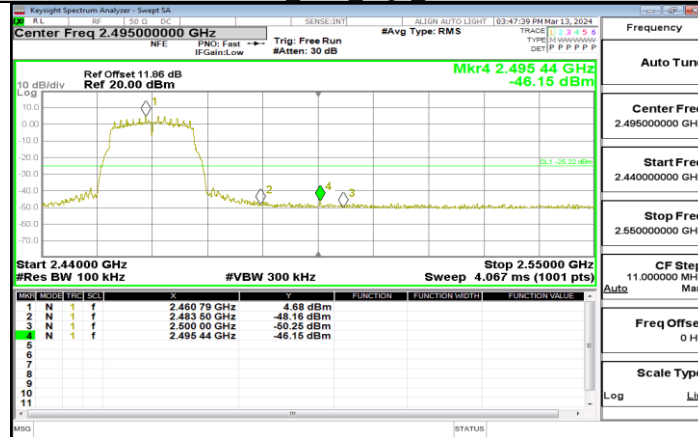
11G Ant1 Low 2412



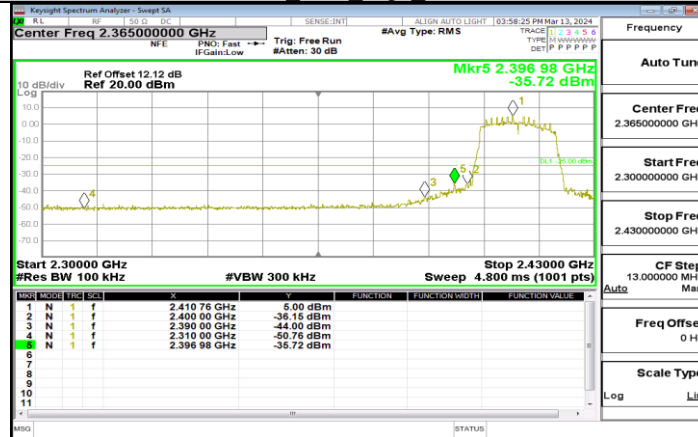
11G Ant2 Low 2412



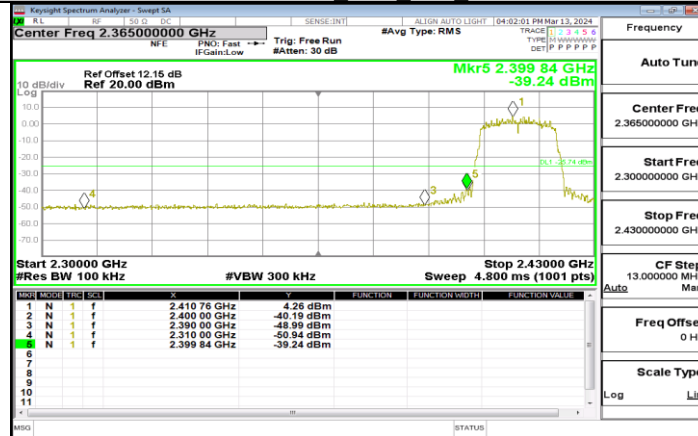
11G Ant1_High 2462



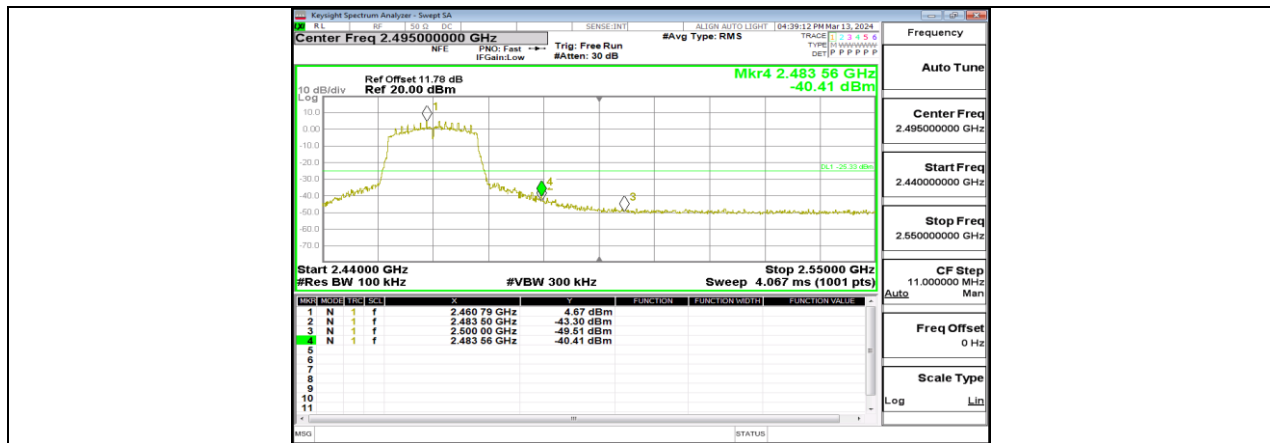
11G Ant2_High 2462



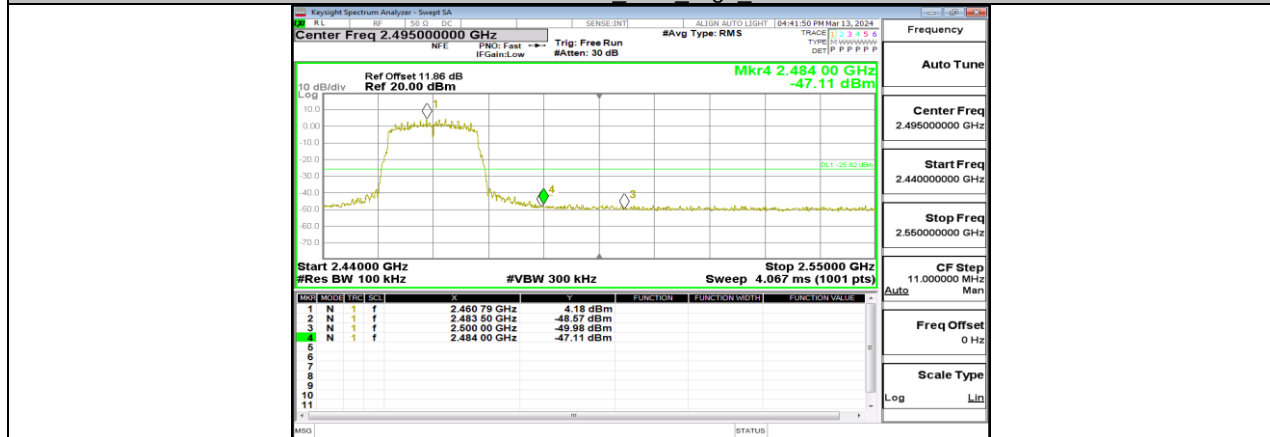
11N20MIMO Ant1_Low 2412



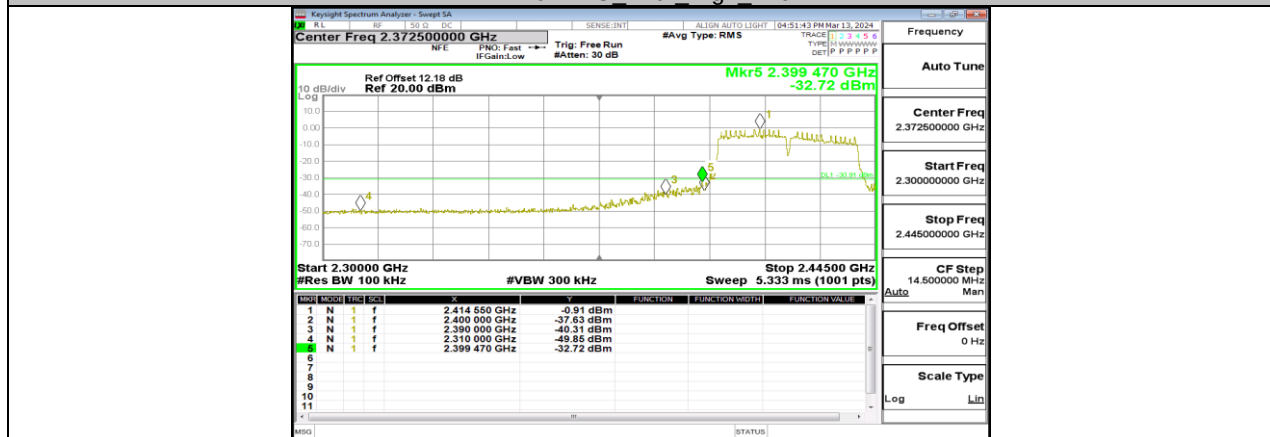
11N20MIMO Ant2_Low 2412



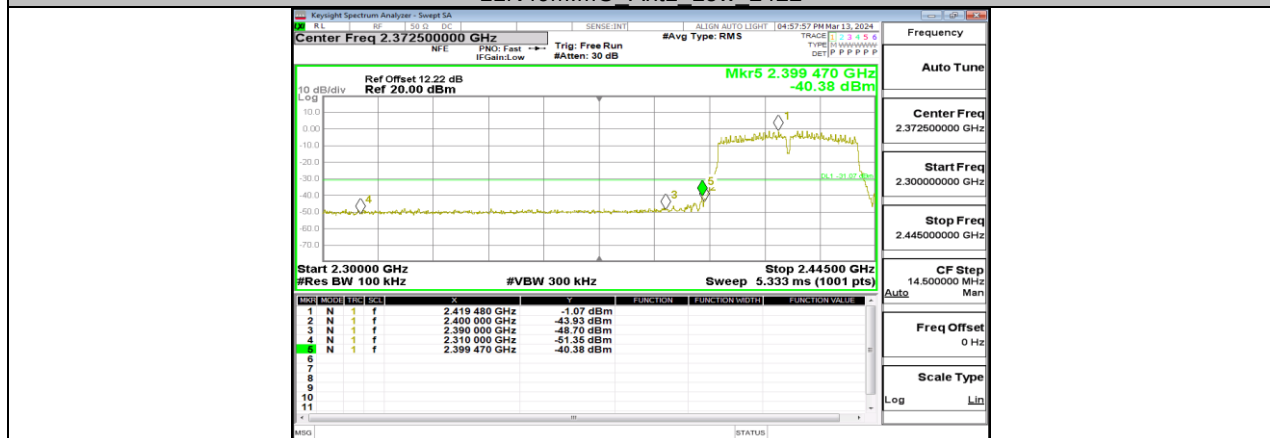
11N20MIMO Ant1 High 2462



11N20MIMO Ant2 High 2462



11N40MIMO Ant1 Low 2422





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	7.13	---	PASS
			30~1000	-60.3	≤-22.87	PASS
			1000~26500	-45.48	≤-22.87	PASS
	Ant2	2412	Reference	7.66	---	PASS
			30~1000	-60.01	≤-22.34	PASS
			1000~26500	-45.56	≤-22.34	PASS
	Ant1	2437	Reference	7.05	---	PASS
			30~1000	-60.87	≤-22.95	PASS
			1000~26500	-46.24	≤-22.95	PASS
	Ant2	2437	Reference	7.78	---	PASS
			30~1000	-60.45	≤-22.22	PASS
			1000~26500	-46.32	≤-22.22	PASS
	Ant1	2462	Reference	7.58	---	PASS
			30~1000	-60.57	≤-22.42	PASS
			1000~26500	-44.55	≤-22.42	PASS
	Ant2	2462	Reference	6.67	---	PASS
			30~1000	-60.33	≤-23.33	PASS
			1000~26500	-46.35	≤-23.33	PASS
11G	Ant1	2412	Reference	1.84	---	PASS
			30~1000	-60.46	≤-28.16	PASS
			1000~26500	-45.32	≤-28.16	PASS
	Ant2	2412	Reference	1.31	---	PASS
			30~1000	-60.31	≤-28.69	PASS
			1000~26500	-46.06	≤-28.69	PASS
	Ant1	2437	Reference	3.69	---	PASS
			30~1000	-60.48	≤-26.31	PASS
			1000~26500	-46.71	≤-26.31	PASS
	Ant2	2437	Reference	0.89	---	PASS
			30~1000	-60.5	≤-29.11	PASS
			1000~26500	-45.64	≤-29.11	PASS
	Ant1	2462	Reference	1.33	---	PASS
			30~1000	-60.72	≤-28.67	PASS
			1000~26500	-45.5	≤-28.67	PASS
	Ant2	2462	Reference	3.59	---	PASS
			30~1000	-60.2	≤-26.41	PASS
			1000~26500	-45.66	≤-26.41	PASS
11N20MIMO	Ant1	2412	Reference	2.14	---	PASS
			30~1000	-60.41	≤-27.86	PASS
			1000~26500	-45.41	≤-27.86	PASS
	Ant2	2412	Reference	2.75	---	PASS
			30~1000	-59.28	≤-27.25	PASS
			1000~26500	-44.75	≤-27.25	PASS
	Ant1	2437	Reference	1.34	---	PASS
			30~1000	-60.26	≤-28.66	PASS
			1000~26500	-45.4	≤-28.66	PASS
	Ant2	2437	Reference	0.49	---	PASS
			30~1000	-60.95	≤-29.51	PASS
			1000~26500	-46.08	≤-29.51	PASS
	Ant1	2462	Reference	0.47	---	PASS
			30~1000	-60.68	≤-29.53	PASS
			1000~26500	-45.7	≤-29.53	PASS
	Ant2	2462	Reference	2.21	---	PASS
			30~1000	-60.56	≤-27.79	PASS
			1000~26500	-45.71	≤-27.79	PASS
11N40MIMO	Ant1	2422	Reference	-1.75	---	PASS
			30~1000	-59.79	≤-31.75	PASS
			1000~26500	-45.49	≤-31.75	PASS
	Ant2	2422	Reference	-3.54	---	PASS

			30~1000	-60.1	≤ -33.54	PASS
			1000~26500	-45.27	≤ -33.54	PASS
	Ant1	2437	Reference	-4.24	---	PASS
			30~1000	-58.46	≤ -34.24	PASS
			1000~26500	-45.69	≤ -34.24	PASS
			Reference	-3.02	---	PASS
	Ant2	2437	30~1000	-60.72	≤ -33.02	PASS
			1000~26500	-45.7	≤ -33.02	PASS
			Reference	-0.52	---	PASS
			30~1000	-59.94	≤ -30.52	PASS
	Ant1	2452	1000~26500	-45.07	≤ -30.52	PASS
			Reference	-2.47	---	PASS
	Ant2	2452	30~1000	-60.05	≤ -32.47	PASS
			1000~26500	-46.02	≤ -32.47	PASS