

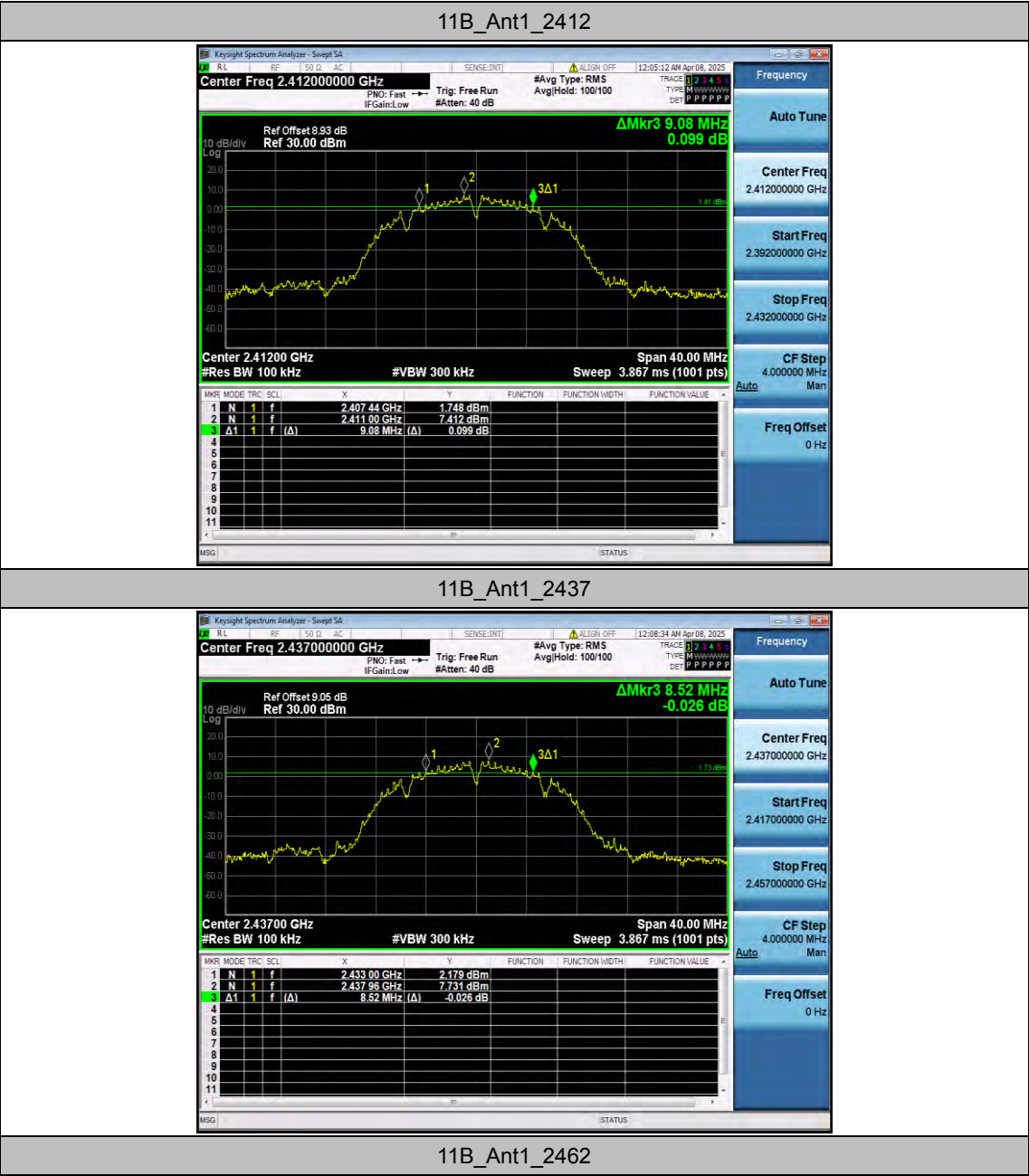
Case No. : <u>GTS20250225016-2-08</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH,	
Test Date: <u>2025.4.7</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.440	2416.520	0.5	PASS
		2437	8.520	2433.000	2441.520	0.5	PASS
		2462	8.080	2457.920	2466.000	0.5	PASS
11G	Ant1	2412	15.240	2404.480	2419.720	0.5	PASS
		2437	15.080	2429.440	2444.520	0.5	PASS
		2462	13.840	2455.680	2469.520	0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.080	2429.480	2444.560	0.5	PASS
		2462	15.000	2454.480	2469.480	0.5	PASS

Test Graphs





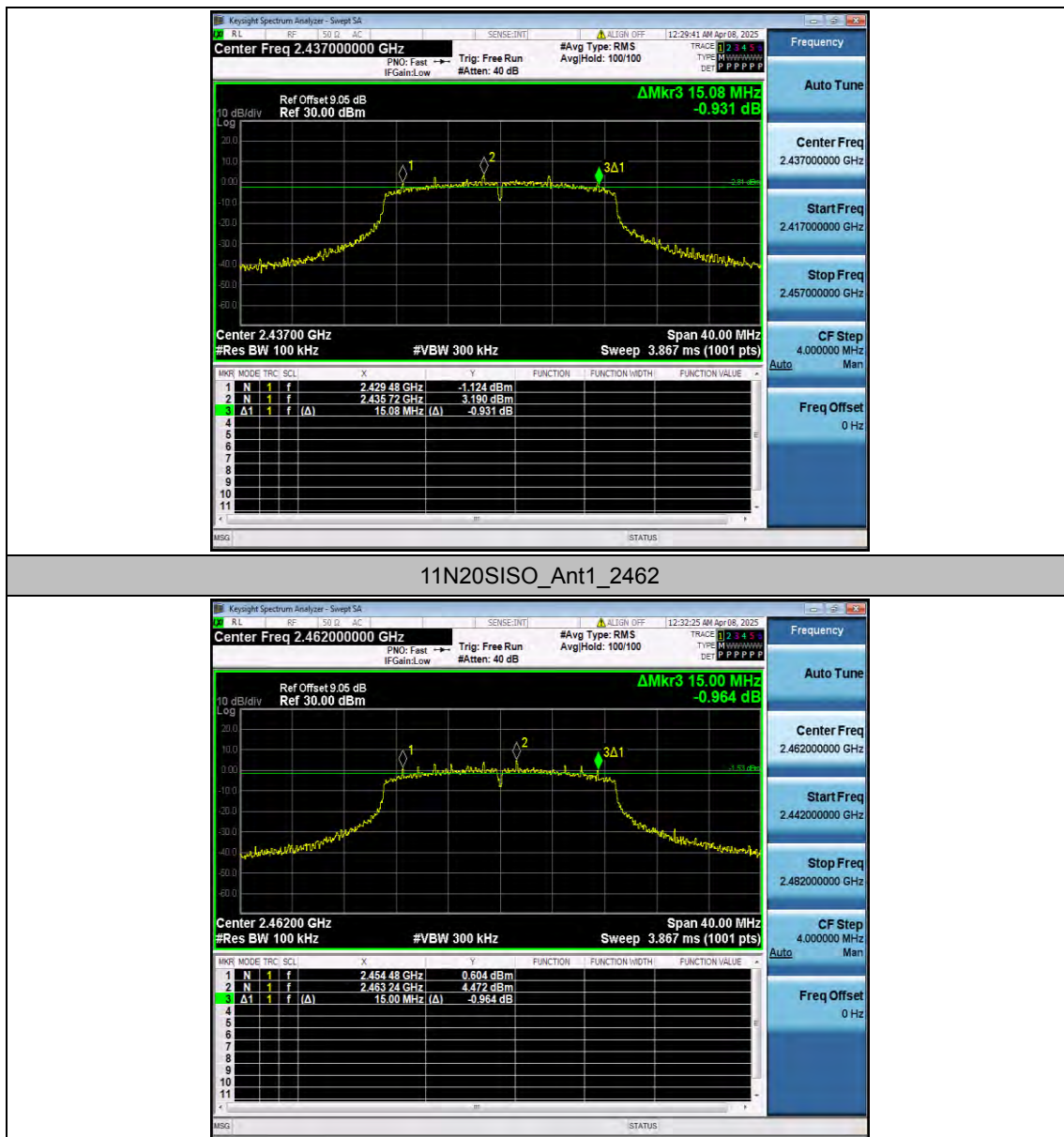
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



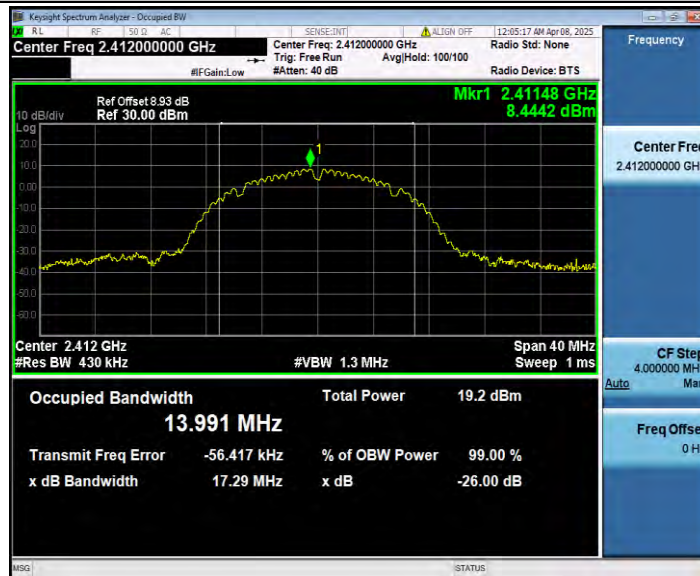
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.991	2404.9481	2418.9391	---	---
		2437	14.001	2430.0117	2444.0127	---	---
		2462	13.962	2454.9941	2468.9561	---	---
11G	Ant1	2412	16.700	2403.6085	2420.3085	---	---
		2437	16.665	2428.6725	2445.3375	---	---
		2462	16.626	2453.7216	2470.3476	---	---
11N20SISO	Ant1	2412	17.756	2403.0668	2420.8228	---	---
		2437	17.716	2428.1736	2445.8896	---	---
		2462	17.662	2453.1399	2470.8019	---	---

Test Graphs

11B_Ant1_2412



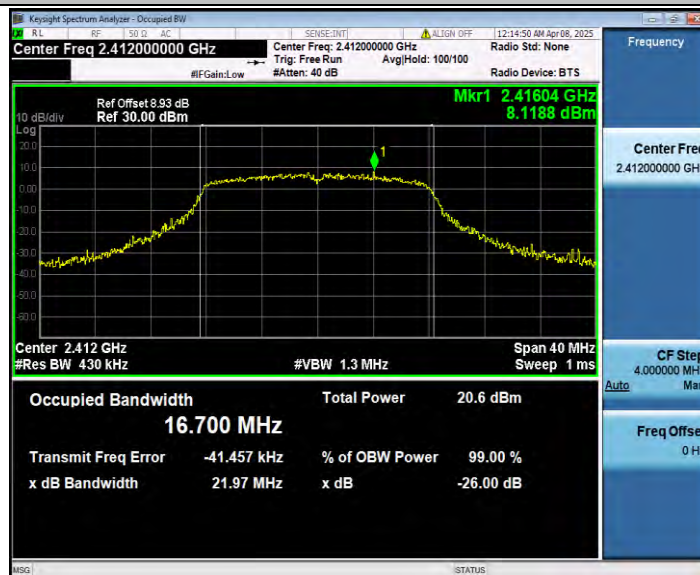
11B_Ant1_2437



11B_Ant1_2462



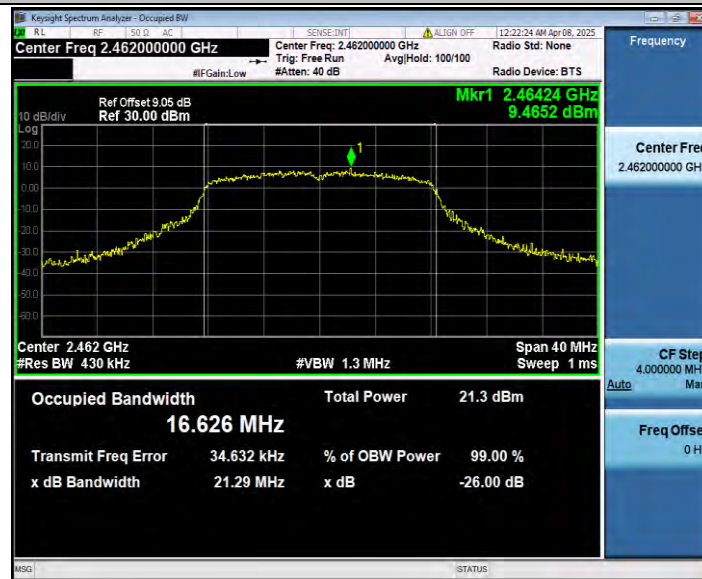
11G_Ant1_2412



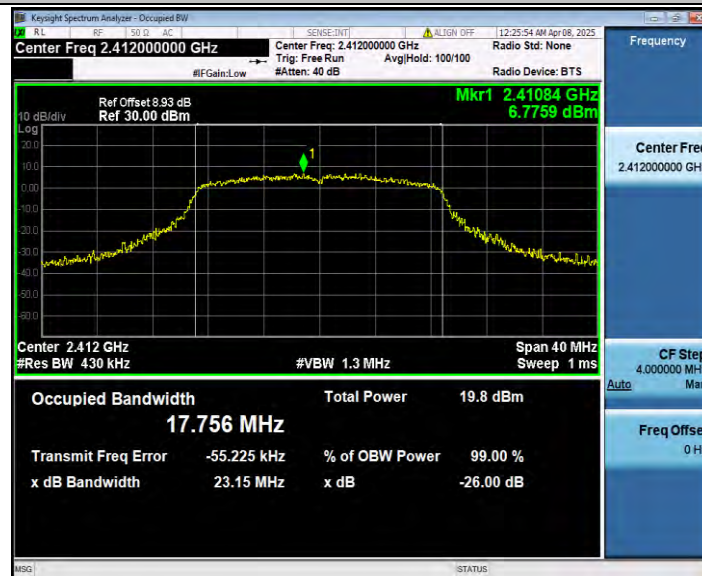
11G_Ant1_2437



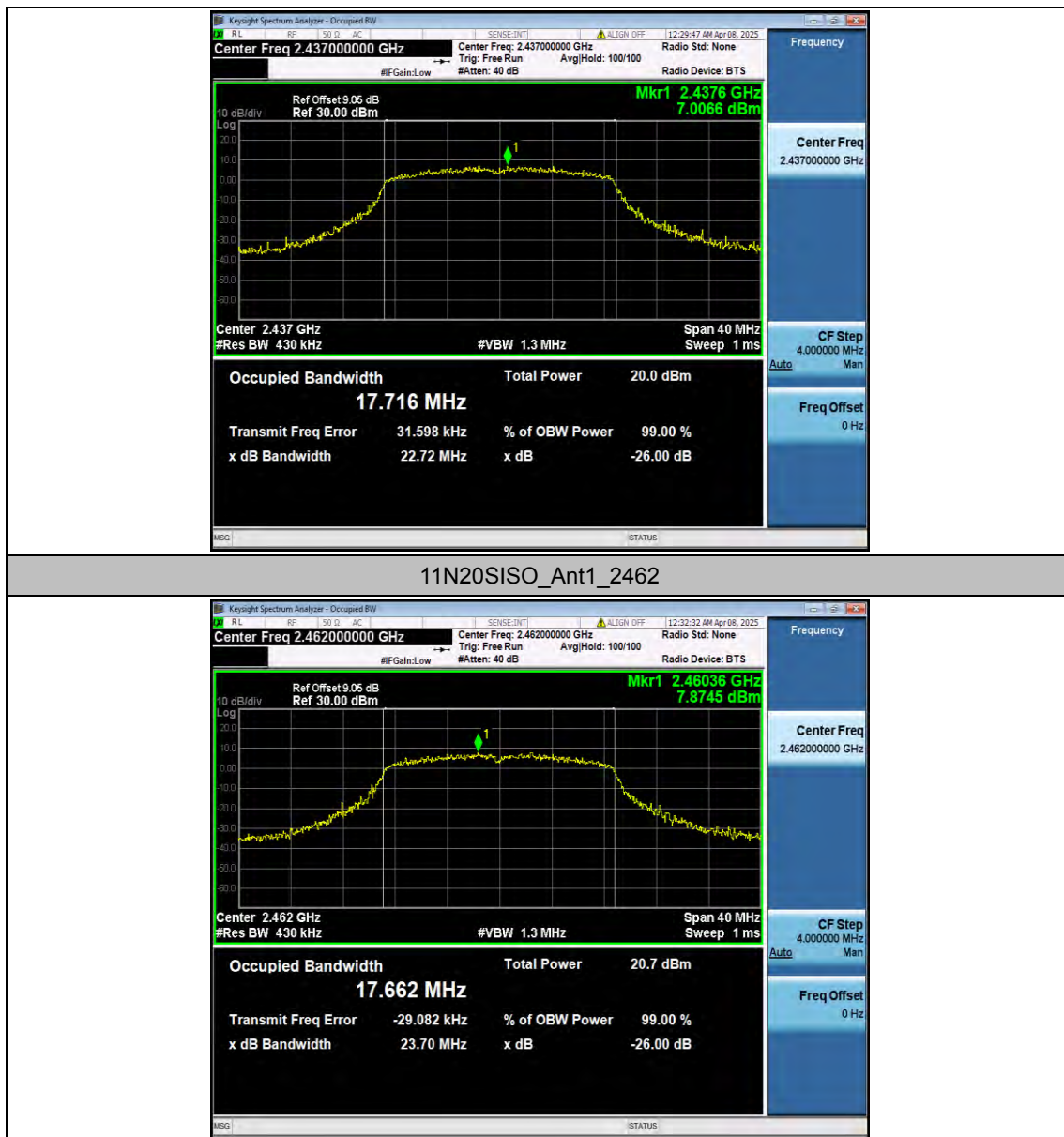
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	19.50	≤30.00	PASS
		2437	19.39	≤30.00	PASS
		2462	19.97	≤30.00	PASS
11G	Ant1	2412	21.85	≤30.00	PASS
		2437	21.80	≤30.00	PASS
		2462	22.42	≤30.00	PASS
11N20SISO	Ant1	2412	21.03	≤30.00	PASS
		2437	21.26	≤30.00	PASS
		2462	21.76	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.65	≤8.00	PASS
		2437	-6.40	≤8.00	PASS
		2462	-5.29	≤8.00	PASS
11G	Ant1	2412	-10.15	≤8.00	PASS
		2437	-10.33	≤8.00	PASS
		2462	-9.49	≤8.00	PASS
11N20SISO	Ant1	2412	-11.24	≤8.00	PASS
		2437	-10.98	≤8.00	PASS
		2462	-9.47	≤8.00	PASS

Test Graphs

11B_Ant1_2412



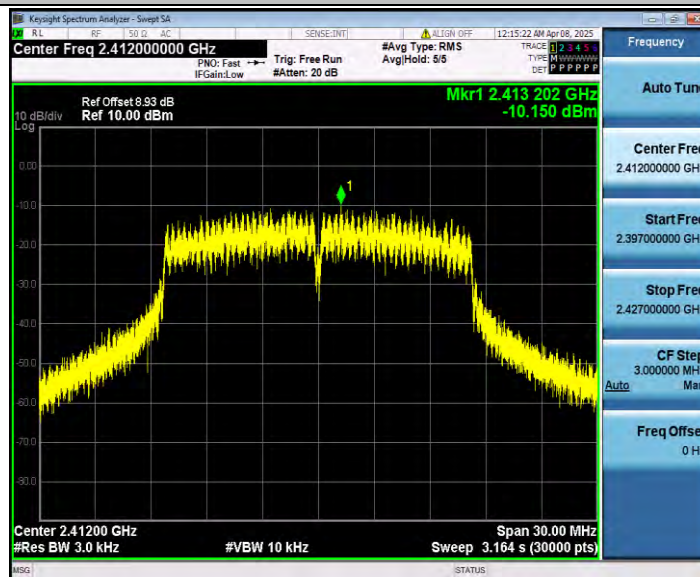
11B_Ant1_2437



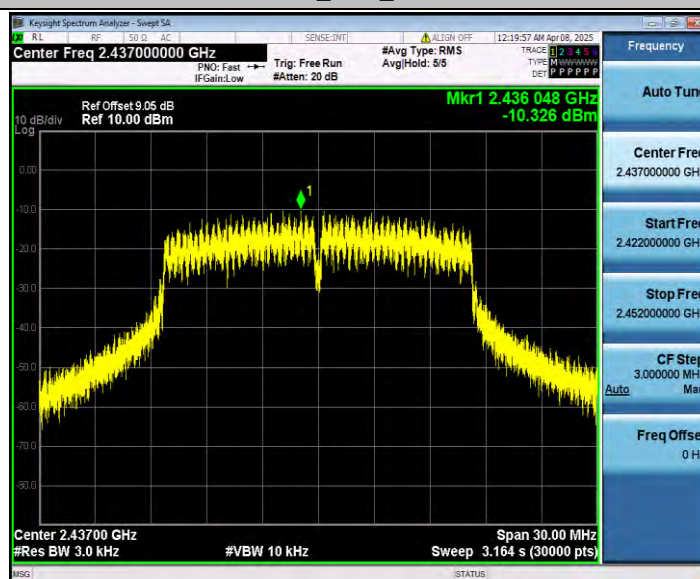
11B_Ant1_2462



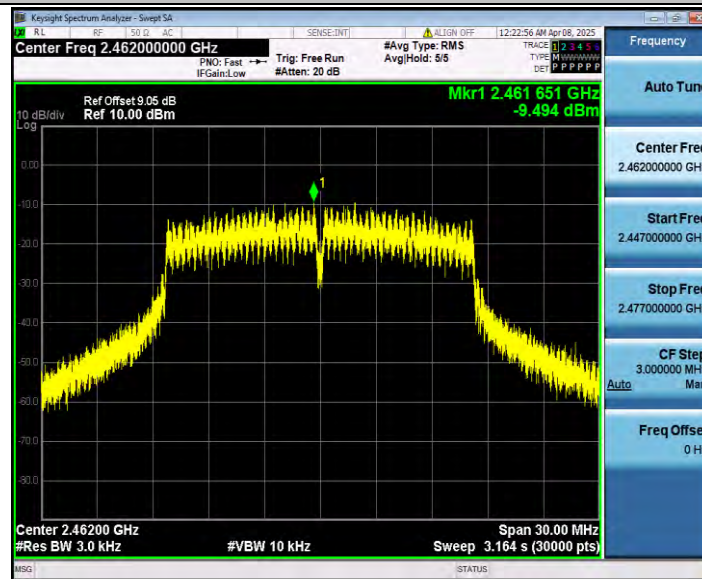
11G_Ant1_2412



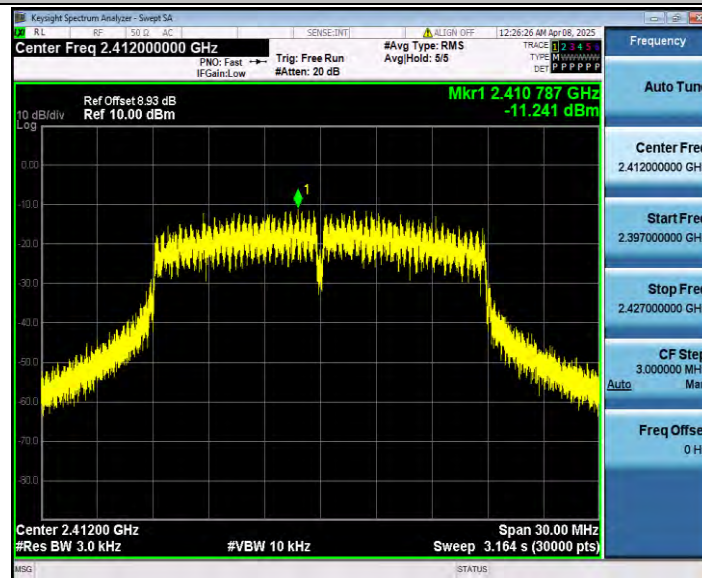
11G_Ant1_2437



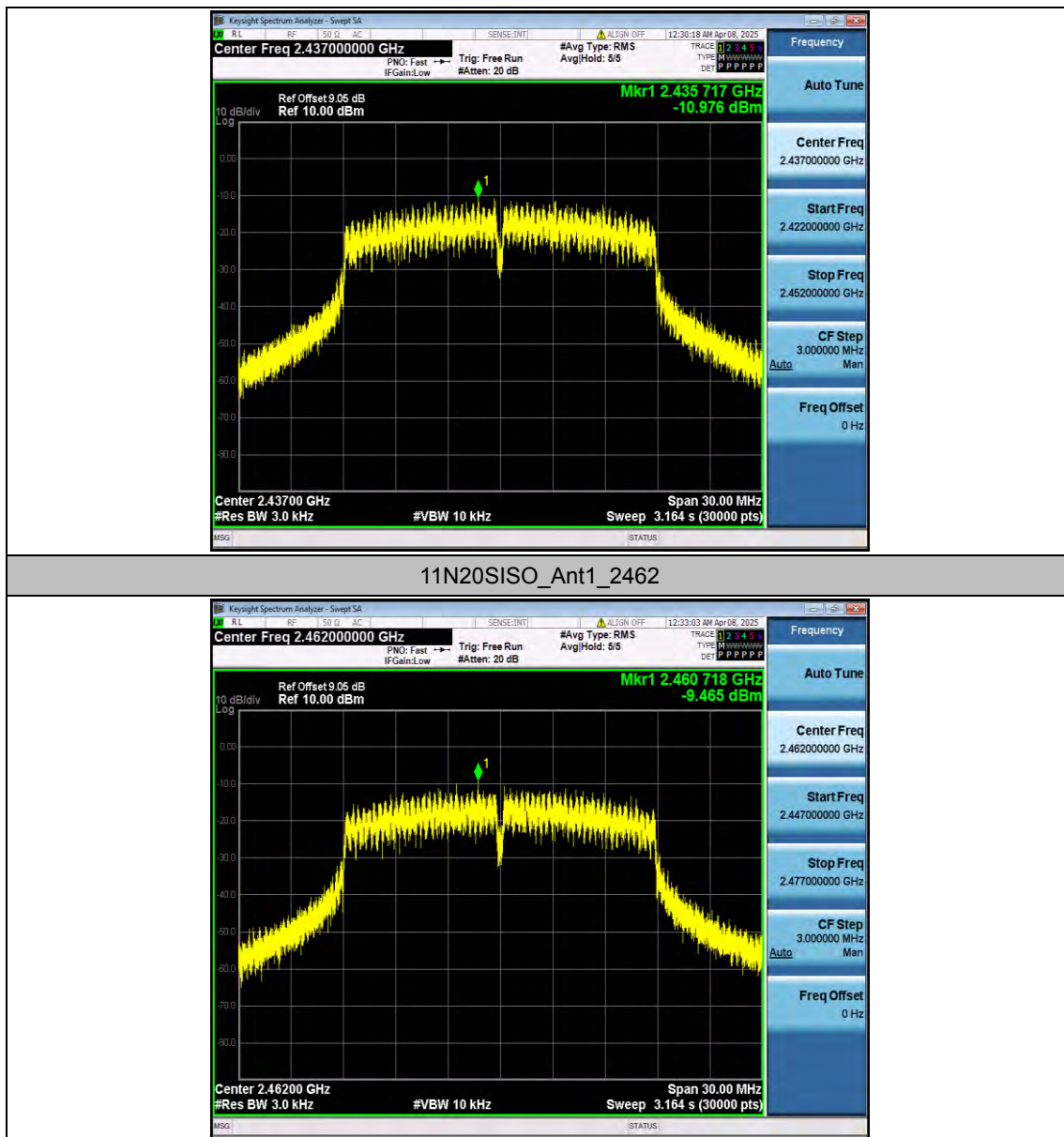
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

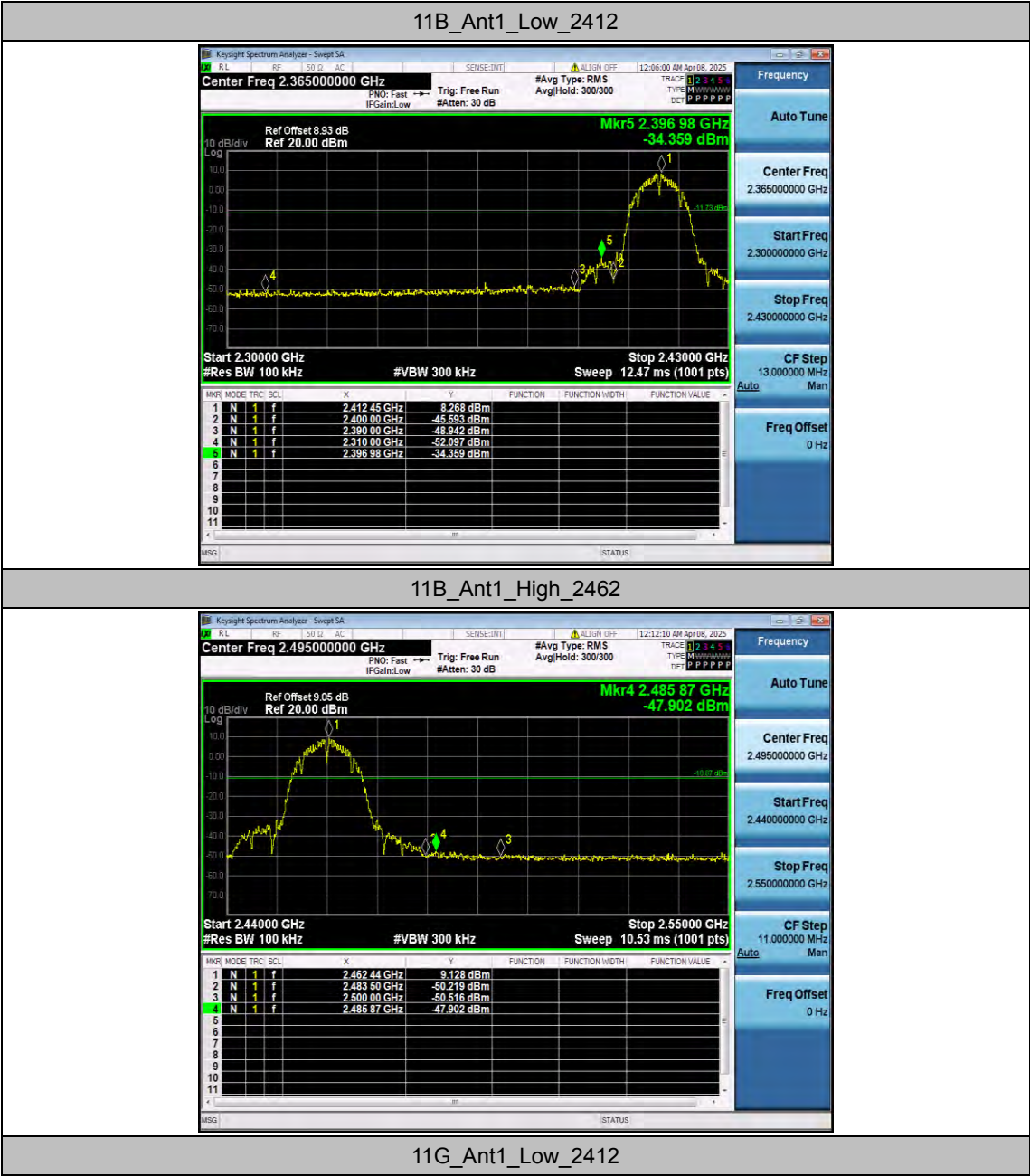


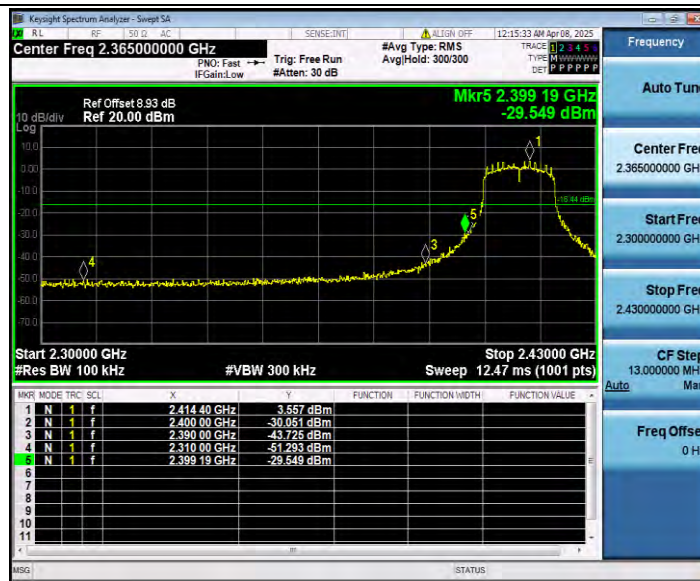
Appendix C.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.27	-34.36	≤ -11.73	PASS
		High	2462	9.13	-47.9	≤ -10.87	PASS
11G	Ant1	Low	2412	3.56	-29.55	≤ -16.44	PASS
		High	2462	4.78	-42.47	≤ -15.22	PASS
11N20SISO	Ant1	Low	2412	2.93	-29.16	≤ -17.07	PASS
		High	2462	3.58	-41.67	≤ -16.42	PASS

Test Graphs

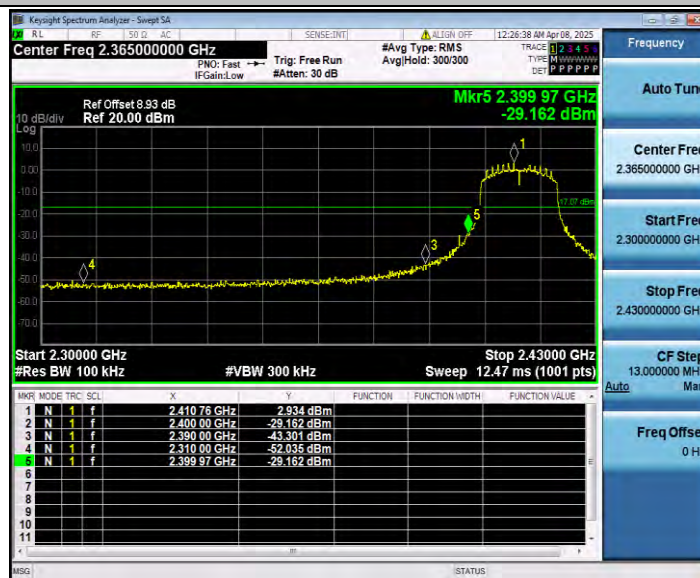




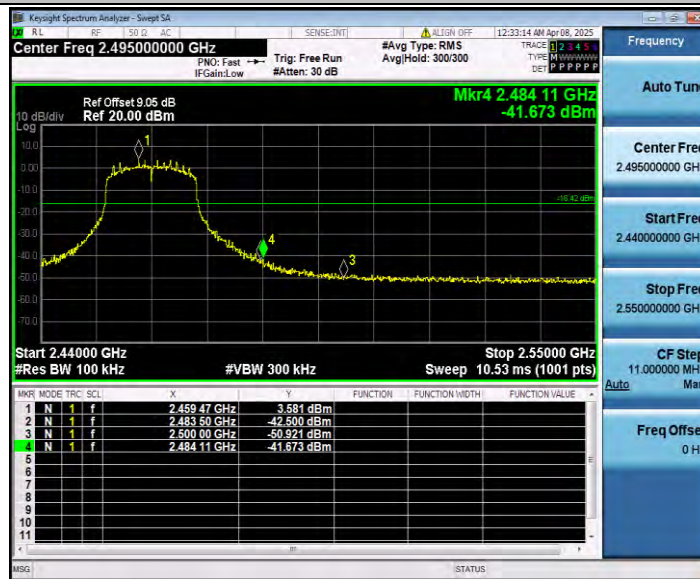
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462

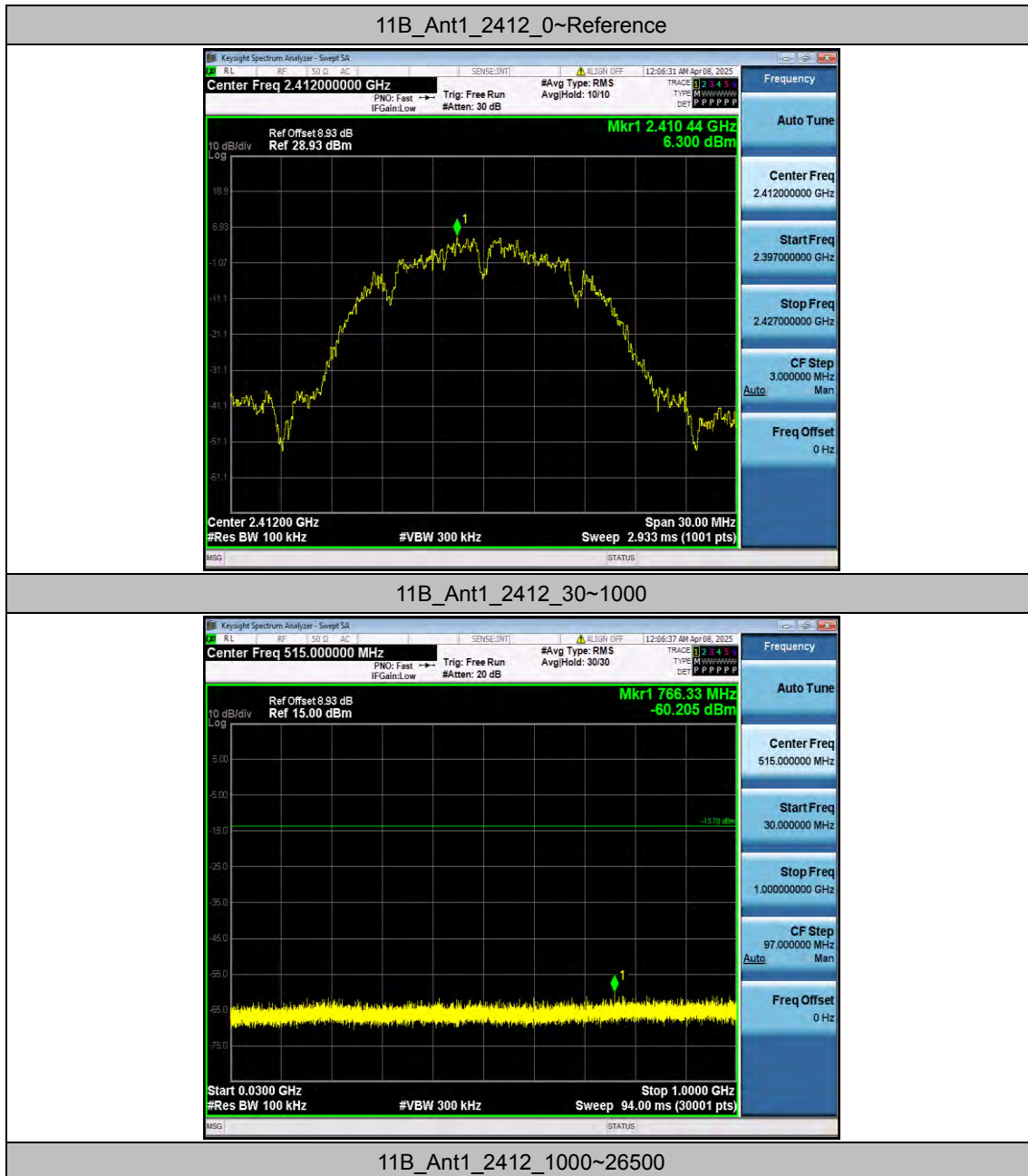


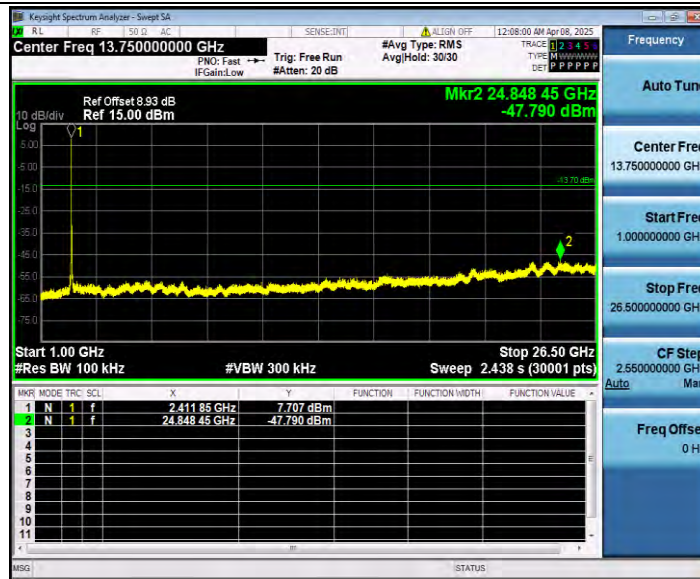
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.30	6.30	---	PASS
			30~1000	6.30	-60.21	≤ -13.7	PASS
			1000~26500	6.30	-47.79	≤ -13.7	PASS
		2437	Reference	6.60	6.60	---	PASS
			30~1000	6.60	-60.35	≤ -13.4	PASS
			1000~26500	6.60	-48.21	≤ -13.4	PASS
		2462	Reference	8.38	8.38	---	PASS
			30~1000	8.38	-60.52	≤ -11.62	PASS
			1000~26500	8.38	-47.75	≤ -11.62	PASS
11G	Ant1	2412	Reference	3.38	3.38	---	PASS
			30~1000	3.38	-60.63	≤ -16.62	PASS
			1000~26500	3.38	-47.74	≤ -16.62	PASS
		2437	Reference	1.93	1.93	---	PASS
			30~1000	1.93	-60.74	≤ -18.07	PASS
			1000~26500	1.93	-47.92	≤ -18.07	PASS
		2462	Reference	2.54	2.54	---	PASS
			30~1000	2.54	-59.76	≤ -17.46	PASS
			1000~26500	2.54	-47.58	≤ -17.46	PASS
11N20SISO	Ant1	2412	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-60.79	≤ -19.85	PASS
			1000~26500	0.15	-47.92	≤ -19.85	PASS
		2437	Reference	2.75	2.75	---	PASS
			30~1000	2.75	-60.16	≤ -17.25	PASS
			1000~26500	2.75	-47.84	≤ -17.25	PASS
		2462	Reference	1.64	1.64	---	PASS
			30~1000	1.64	-60.99	≤ -18.36	PASS
			1000~26500	1.64	-47.31	≤ -18.36	PASS

Test Graphs

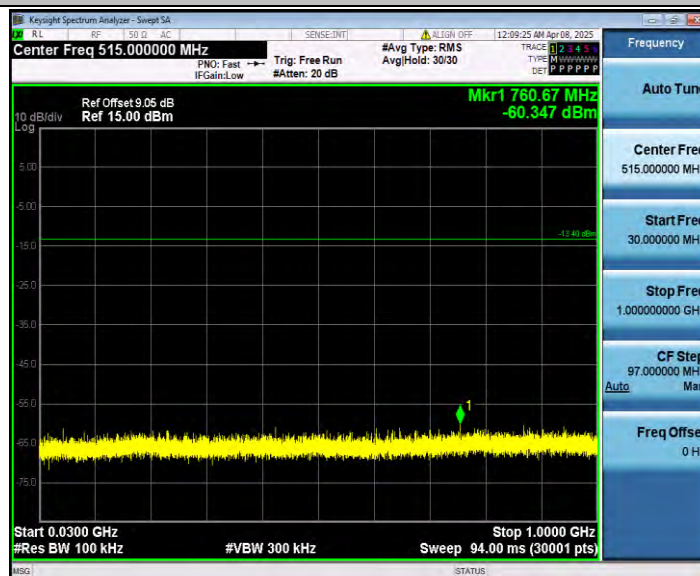




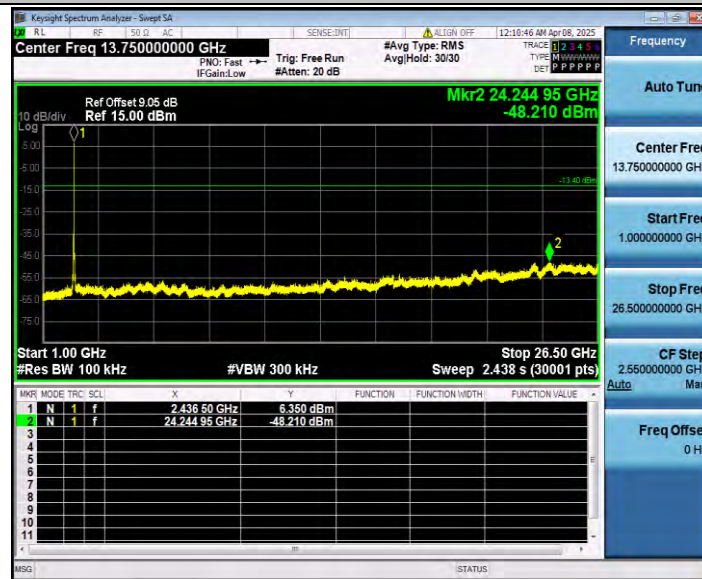
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



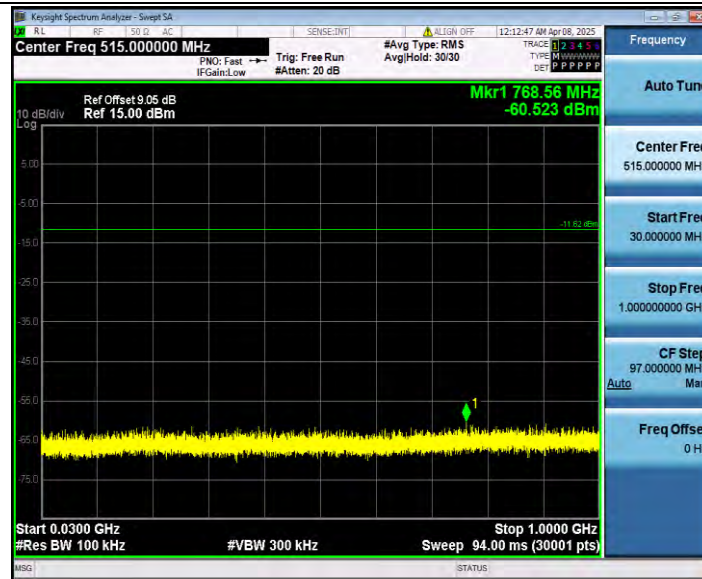
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

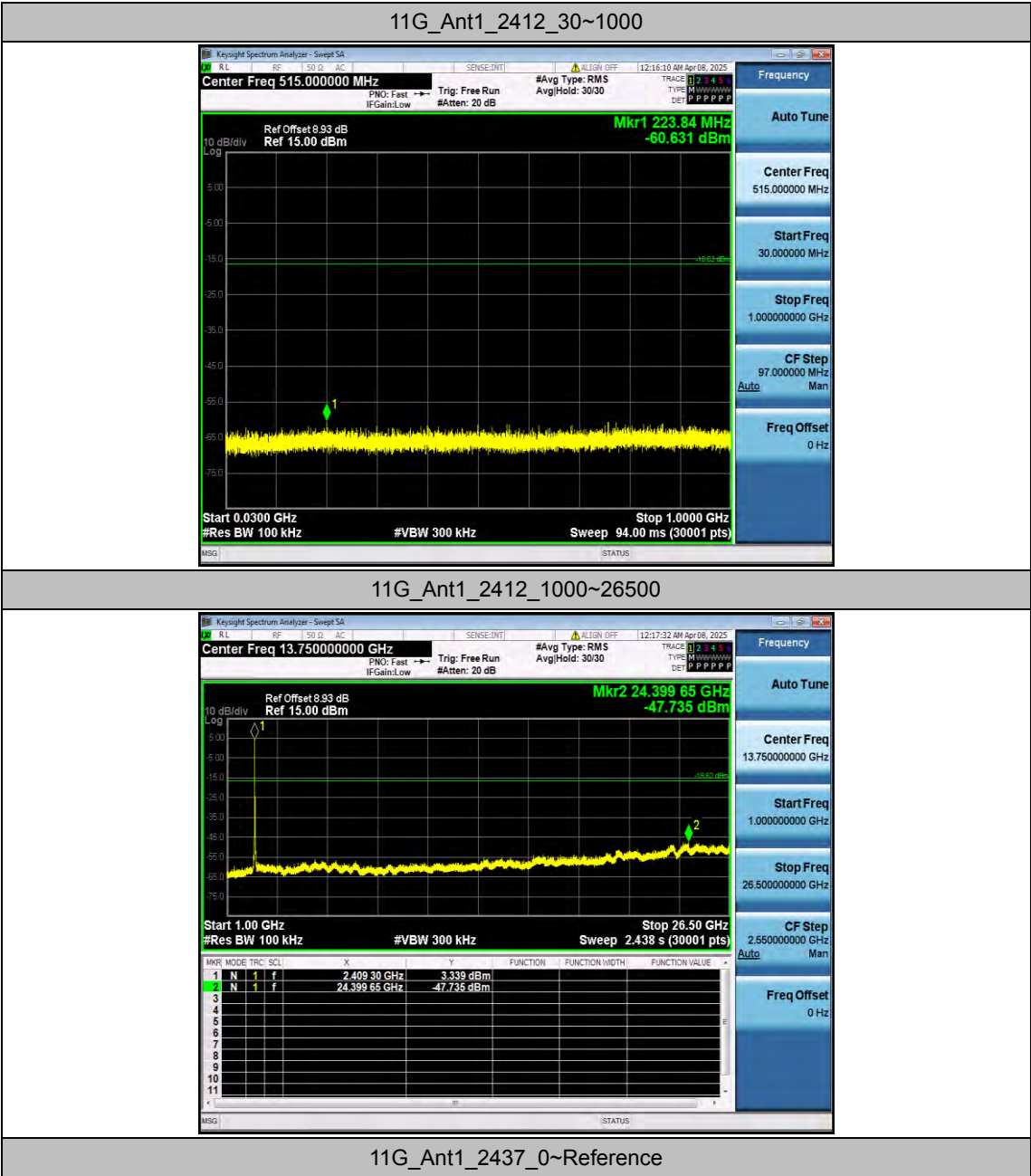


11B_Ant1_2462_1000~26500



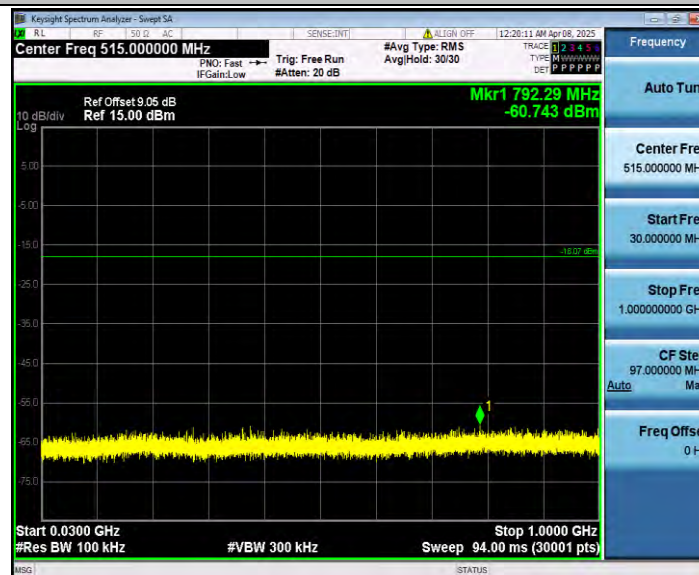
11G_Ant1_2412_0~Reference







11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



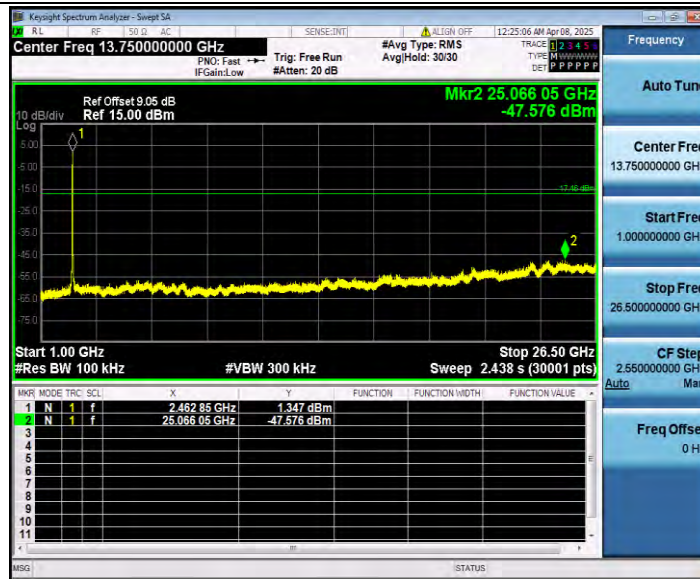
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



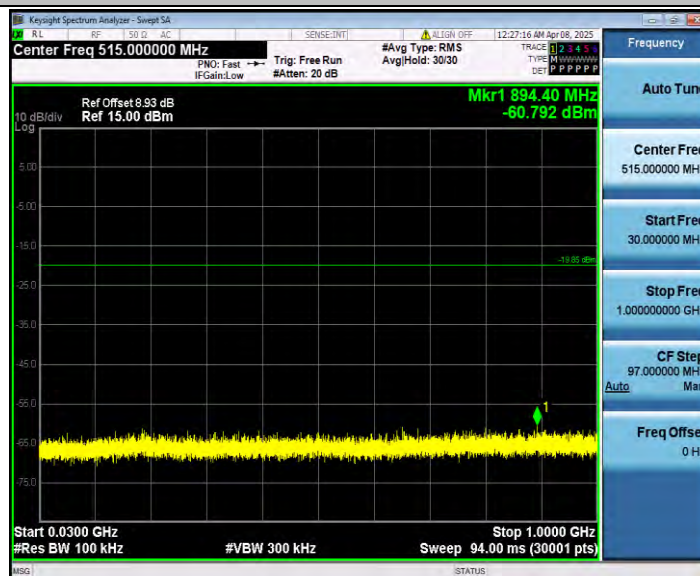
11G_Ant1_2462_1000~26500



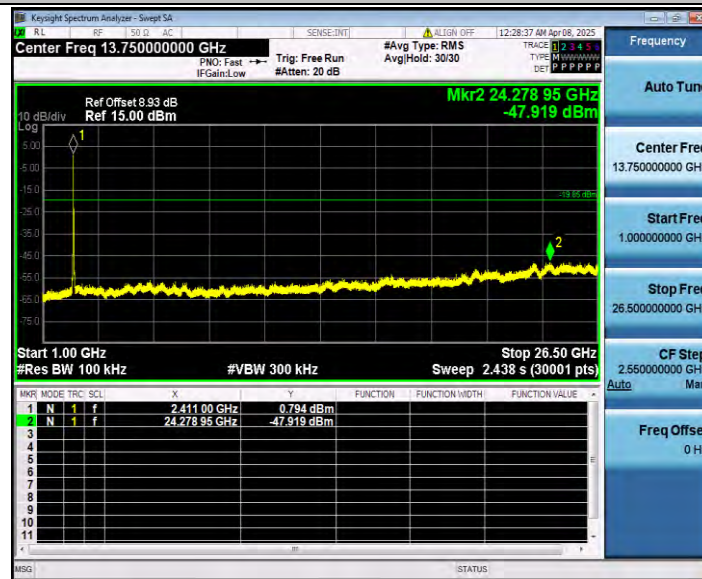
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



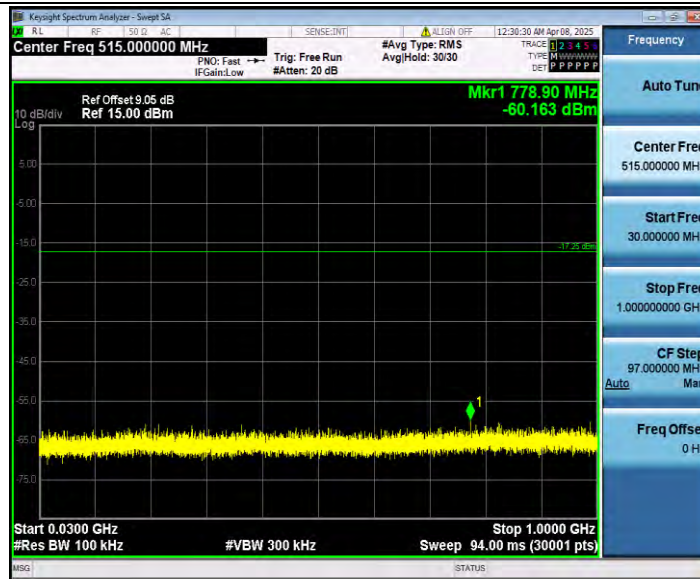
11N20SISO_Ant1_2412_1000~26500



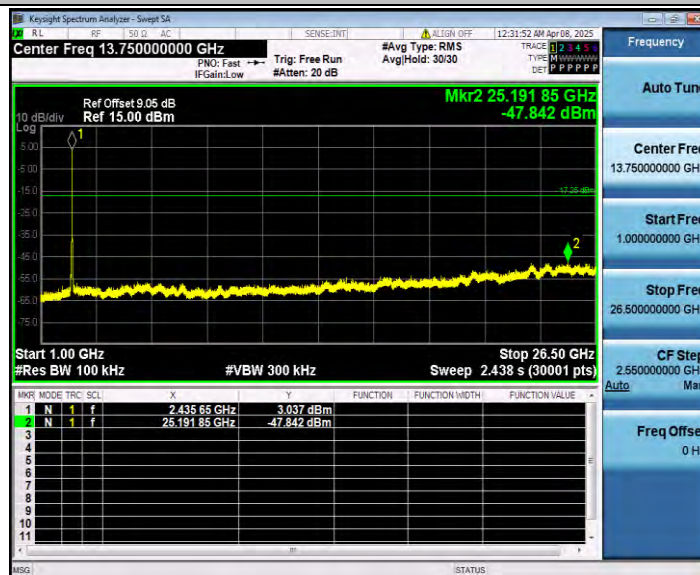
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

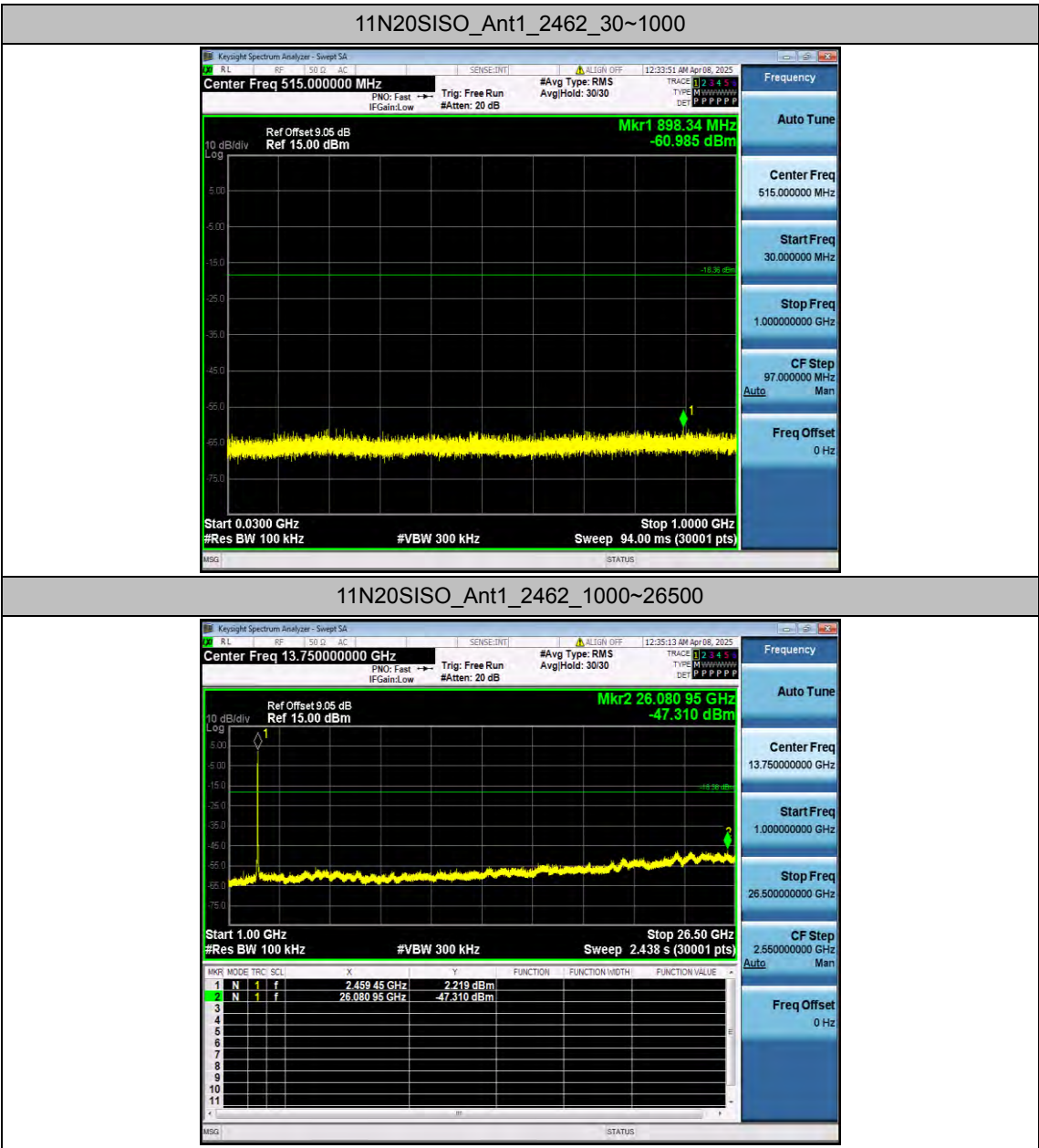


11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference





Appendix C.7: Emissions in Restricted Bands

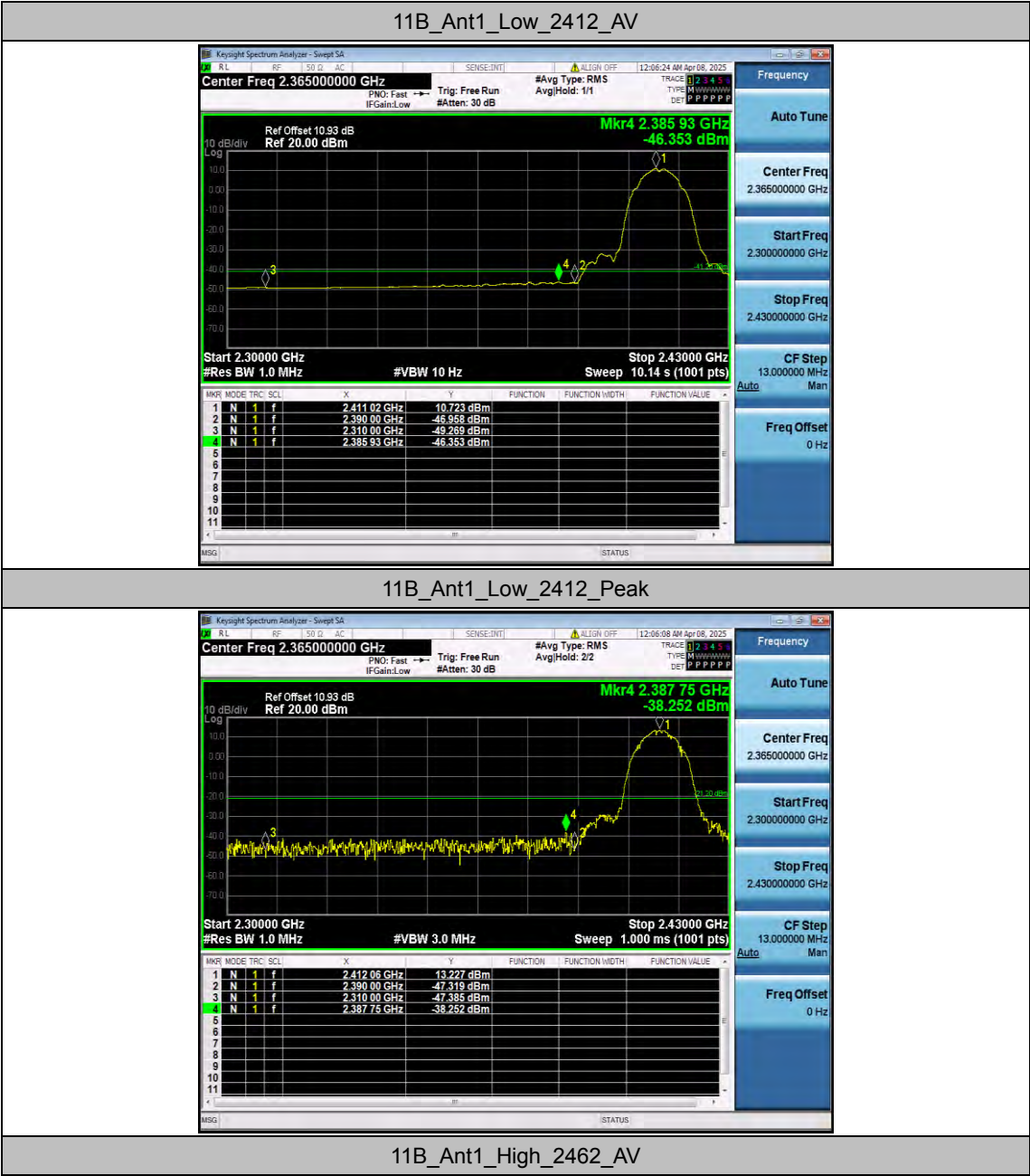
Test Result

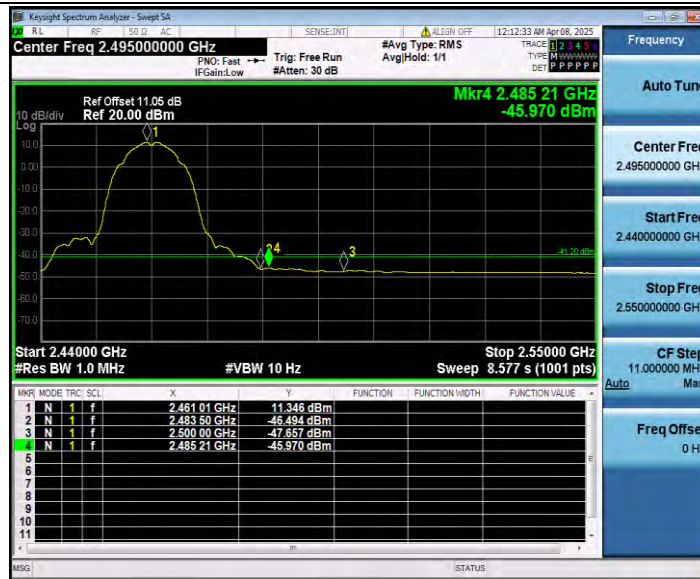
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.27	≤-41.20	45.93	≤54	PASS
				AV	2385.930	-46.35	≤-41.20	48.85	≤54	PASS
				AV	2390.000	-46.96	≤-41.20	48.24	≤54	PASS
				Peak	2310.000	-47.39	≤-21.20	47.81	≤74	PASS
				Peak	2387.750	-38.25	≤-21.20	56.95	≤74	PASS
				Peak	2390.000	-47.32	≤-21.20	47.88	≤74	PASS
		High	2462	AV	2483.500	-46.49	≤-41.20	48.71	≤54	PASS
				AV	2485.210	-45.97	≤-41.20	49.23	≤54	PASS
				AV	2500.000	-47.66	≤-41.20	47.54	≤54	PASS
				Peak	2483.500	-42.09	≤-21.20	53.11	≤74	PASS
				Peak	2497.860	-38.16	≤-21.20	57.04	≤74	PASS
				Peak	2500.000	-46.63	≤-21.20	48.57	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.41	≤-41.20	45.79	≤54	PASS
				AV	2389.960	-41.56	≤-41.20	53.64	≤54	PASS
				AV	2390.000	-41.56	≤-41.20	53.64	≤54	PASS
				Peak	2310.000	-45.37	≤-21.20	49.83	≤74	PASS
				Peak	2387.880	-34.55	≤-21.20	60.65	≤74	PASS
				Peak	2390.000	-39.23	≤-21.20	55.97	≤74	PASS
		High	2462	AV	2483.500	-44.69	≤-41.20	50.51	≤54	PASS
				AV	2483.560	-44.75	≤-41.20	50.45	≤54	PASS
				AV	2500.000	-48.07	≤-41.20	47.13	≤54	PASS
				Peak	2483.500	-41	≤-21.20	54.20	≤74	PASS
				Peak	2484.770	-36.82	≤-21.20	58.38	≤74	PASS
				Peak	2500.000	-49.61	≤-21.20	45.59	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.62	≤-41.20	45.58	≤54	PASS
				AV	2389.960	-41.67	≤-41.20	53.53	≤54	PASS
				AV	2390.000	-41.67	≤-41.20	53.53	≤54	PASS
				Peak	2310.000	-49.64	≤-21.20	45.56	≤74	PASS
				Peak	2389.830	-31.71	≤-21.20	63.49	≤74	PASS
				Peak	2390.000	-37.02	≤-21.20	58.18	≤74	PASS
		High	2462	AV	2483.500	-44.76	≤-41.20	50.44	≤54	PASS
				AV	2483.560	-44.79	≤-41.20	50.41	≤54	PASS
				AV	2500.000	-48.12	≤-41.20	47.08	≤54	PASS
				Peak	2483.500	-44.6	≤-21.20	50.60	≤74	PASS
				Peak	2483.560	-38.97	≤-21.20	56.23	≤74	PASS
				Peak	2500.000	-41.22	≤-21.20	53.98	≤74	PASS

Note:

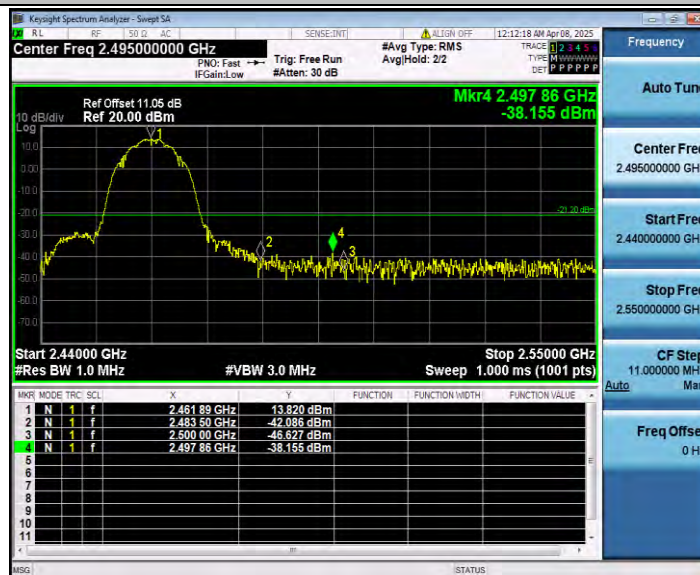
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





11B_Ant1_High_2462_Peak



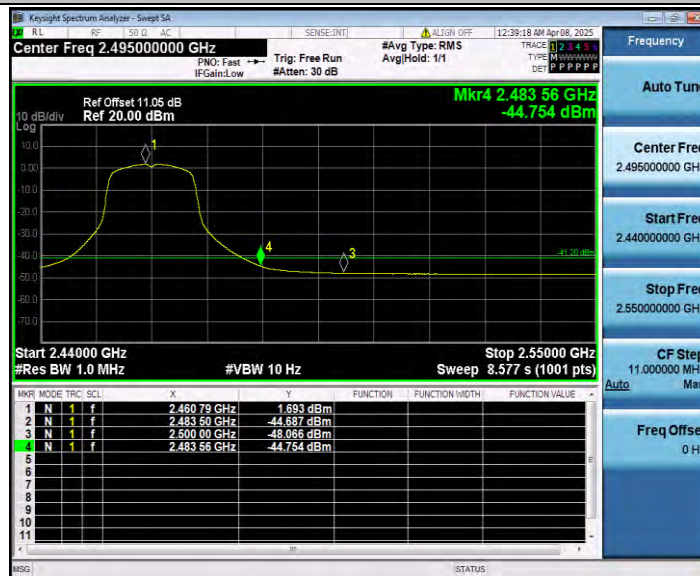
11G_Ant1_Low_2412_AV



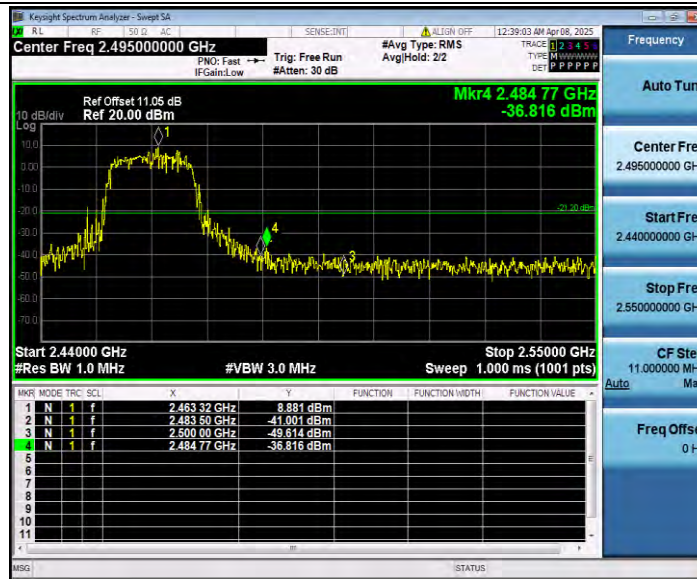
11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV



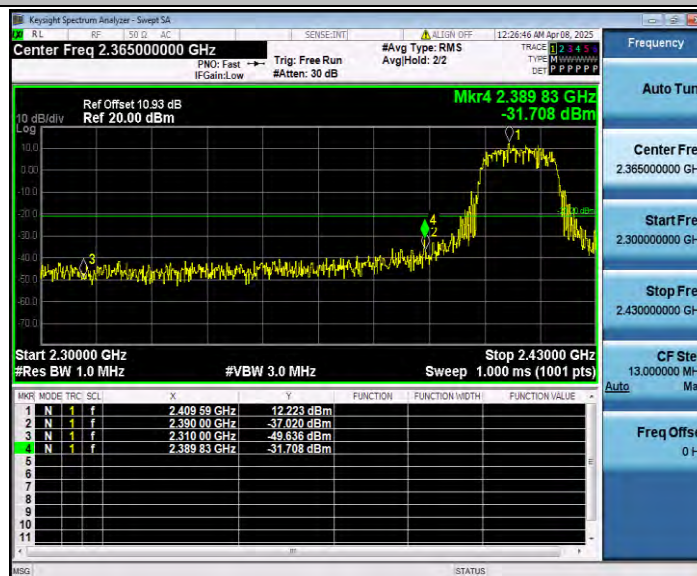
11G_Ant1_High_2462_Peak



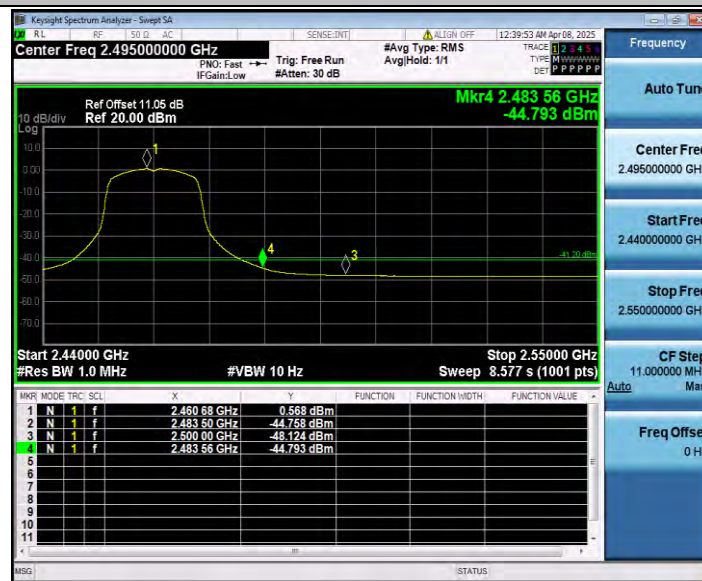
11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak

