

Case No. : <u>GTS20250313007-2-03</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH,	
Test Date: <u>2025.3.27</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	8.560	2407.960	2416.520	0.5	PASS
		2437	7.560	2433.440	2441.000	0.5	PASS
		2462	9.000	2457.480	2466.480	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.520	2428.240	2445.760	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS

Test Graphs



11B_Ant1_2437

Frequency

Auto Tune

Center Freq
2.43700000 GHzStart Freq
2.417000000 GHzStop Freq
2.457000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

11B_Ant1_2462



11G_Ant1_2412



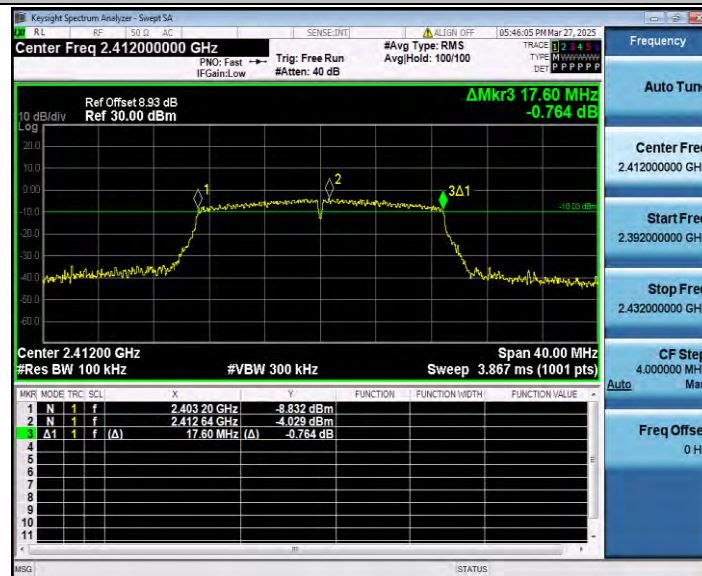
11G_Ant1_2437



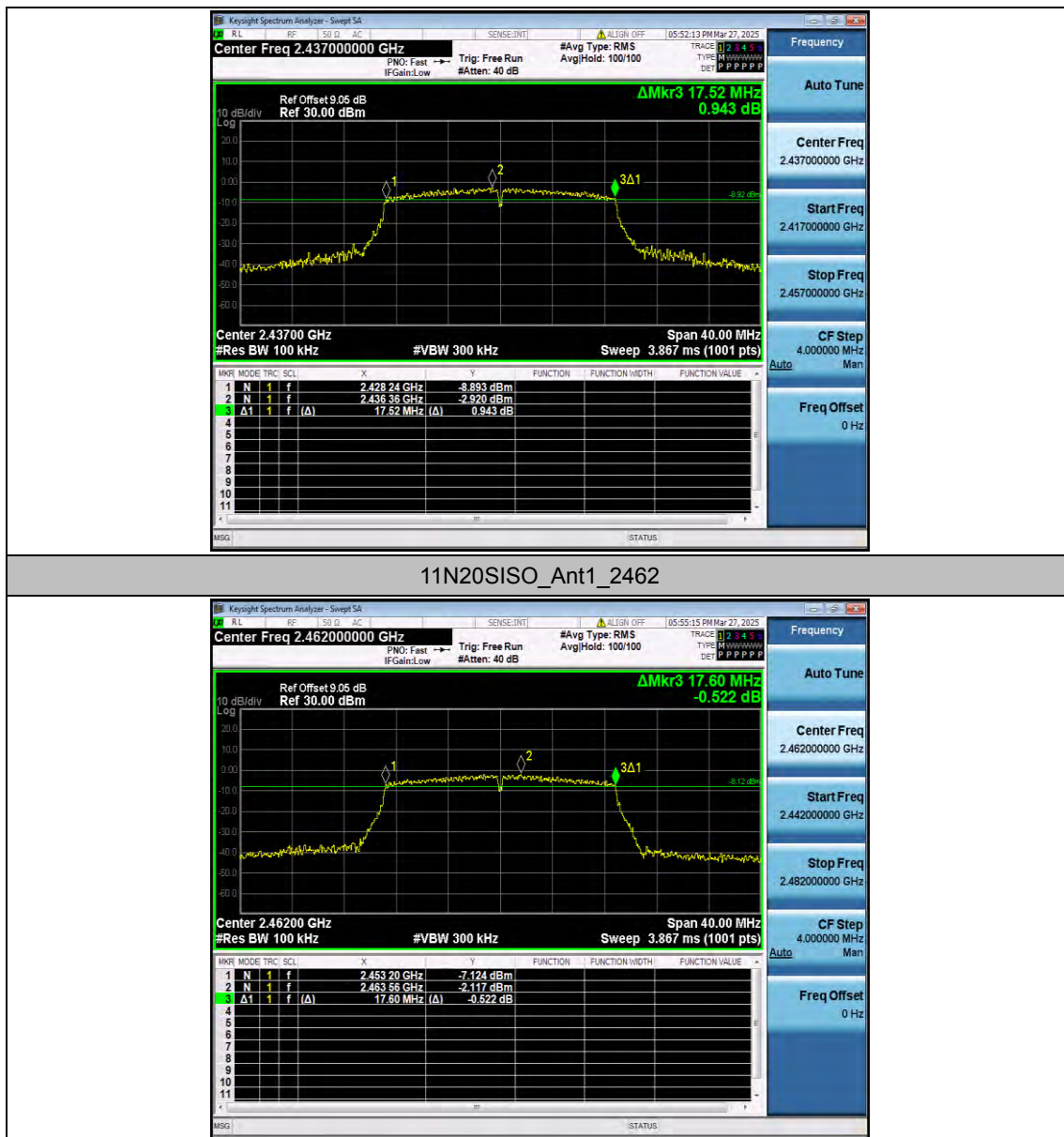
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



Appendix C.2: Occupied Channel Bandwidth

Test Result

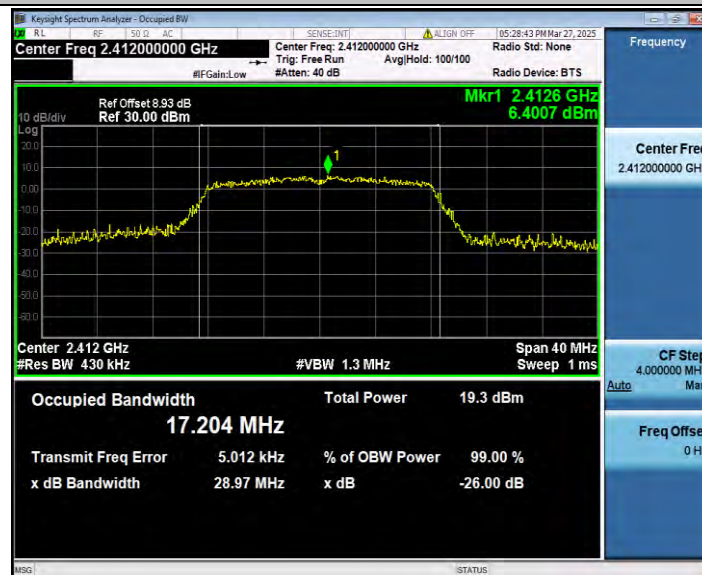
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.144	2405.4368	2418.5808	---	---
		2437	12.575	2430.8558	2443.4308	---	---
		2462	13.043	2455.4227	2468.4657	---	---
11G	Ant1	2412	17.204	2403.4030	2420.6070	---	---
		2437	16.840	2428.6126	2445.4526	---	---
		2462	16.864	2453.5287	2470.3927	---	---
11N20SISO	Ant1	2412	17.876	2403.1214	2420.9974	---	---
		2437	17.816	2428.1314	2445.9474	---	---
		2462	17.807	2453.0794	2470.8864	---	---

Test Graphs





11G_Ant1_2412



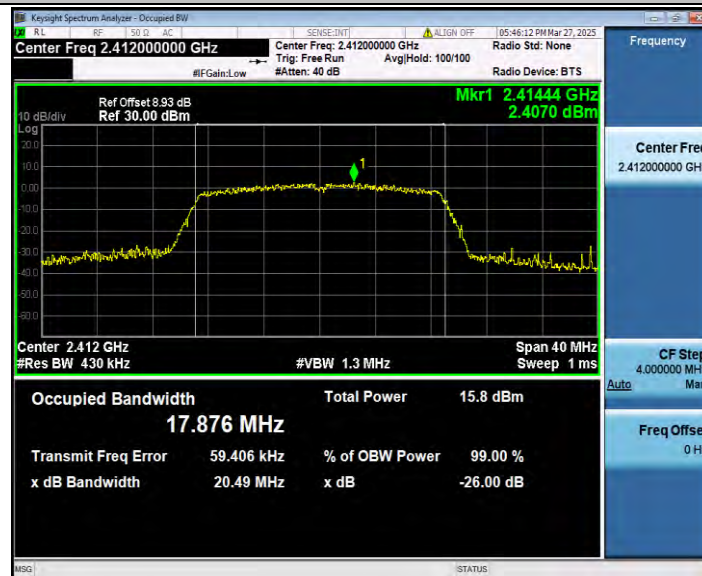
11G_Ant1_2437



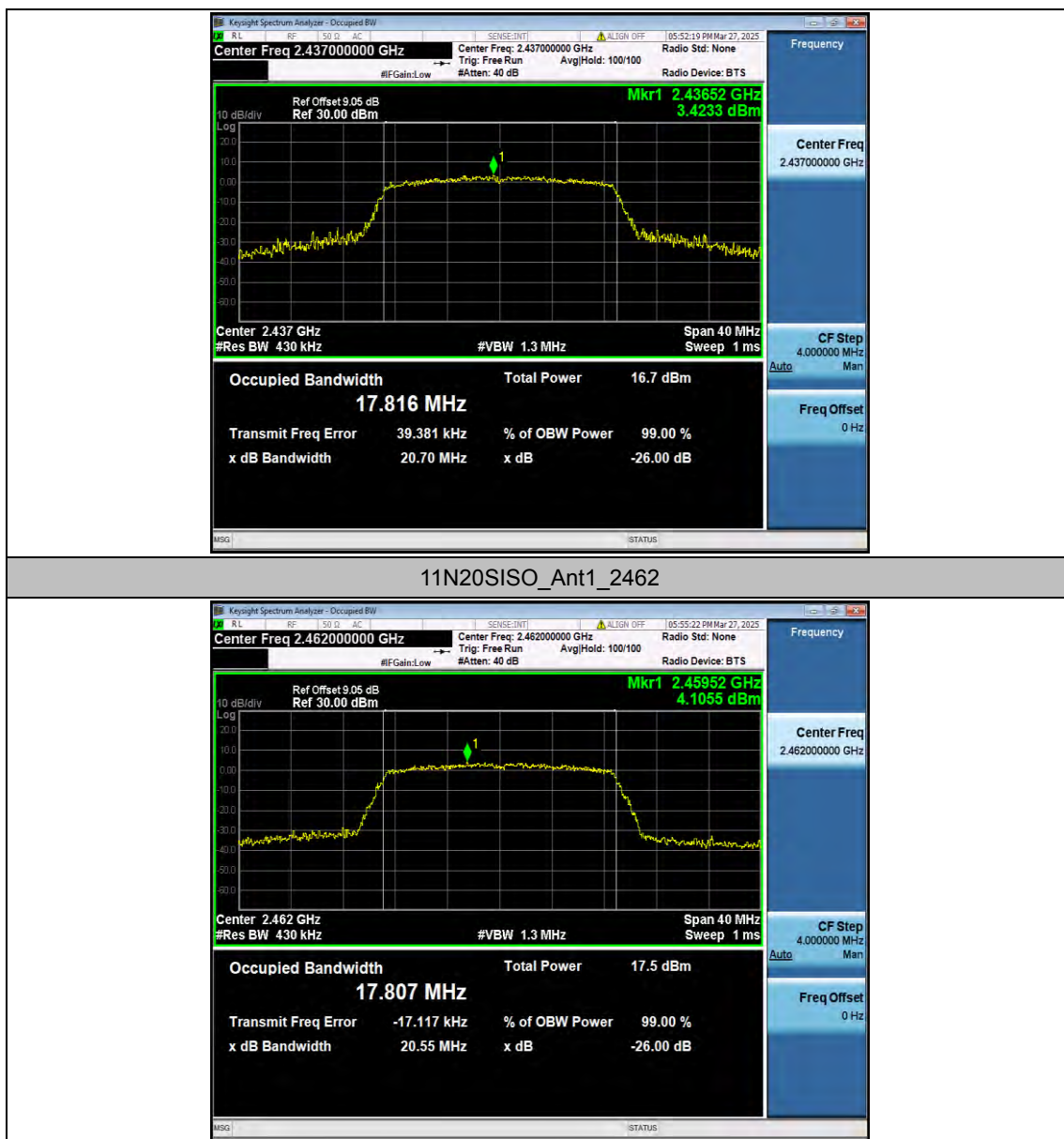
11G_Ant1_2462



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	12.86	≤30.00	PASS
		2437	13.94	≤30.00	PASS
		2462	14.78	≤30.00	PASS
11G	Ant1	2412	20.42	≤30.00	PASS
		2437	18.02	≤30.00	PASS
		2462	18.72	≤30.00	PASS
11N20SI SO	Ant1	2412	16.79	≤30.00	PASS
		2437	17.86	≤30.00	PASS
		2462	18.63	≤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	-12.42	≤8.00	PASS
		2437	-11.73	≤8.00	PASS
		2462	-10.70	≤8.00	PASS
11G	Ant1	2412	-11.74	≤8.00	PASS
		2437	-13.34	≤8.00	PASS
		2462	-12.95	≤8.00	PASS
11N20SISO	Ant1	2412	-14.98	≤8.00	PASS
		2437	-13.37	≤8.00	PASS
		2462	-12.76	≤8.00	PASS

Test Graphs

11B_Ant1_2412



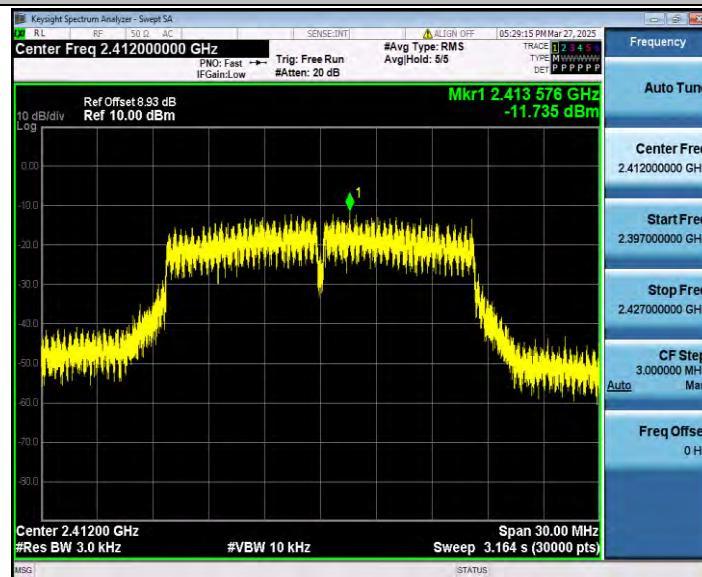
11B_Ant1_2437



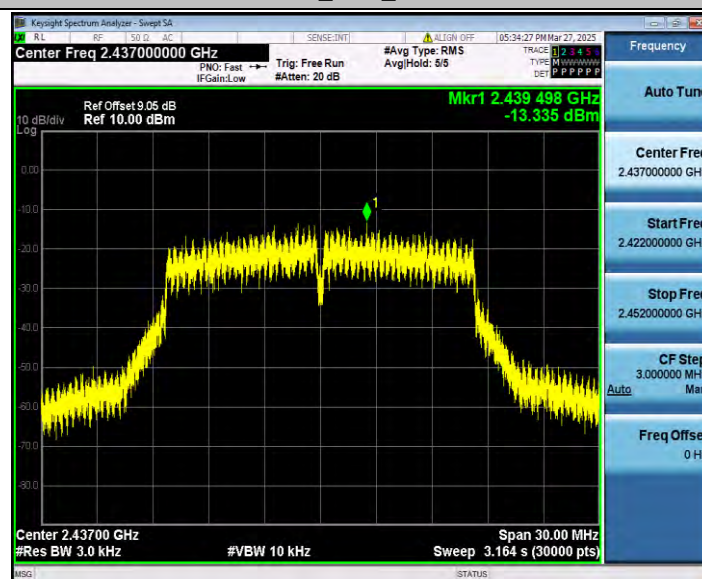
11B_Ant1_2462



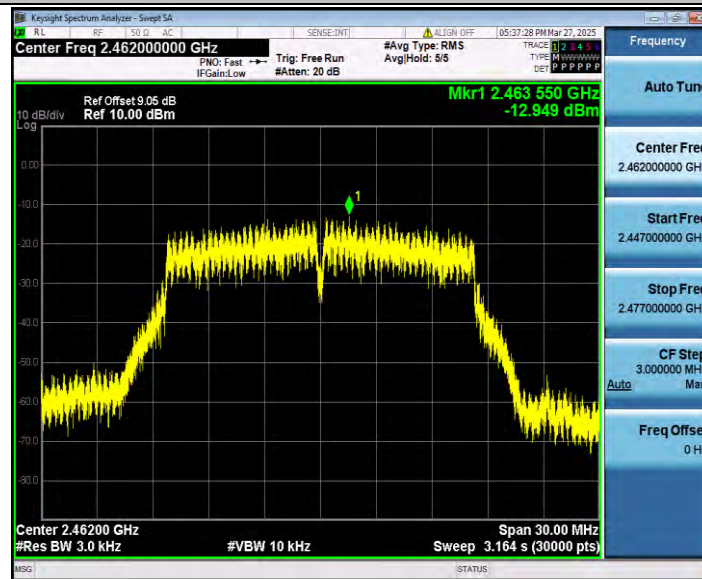
11G_Ant1_2412



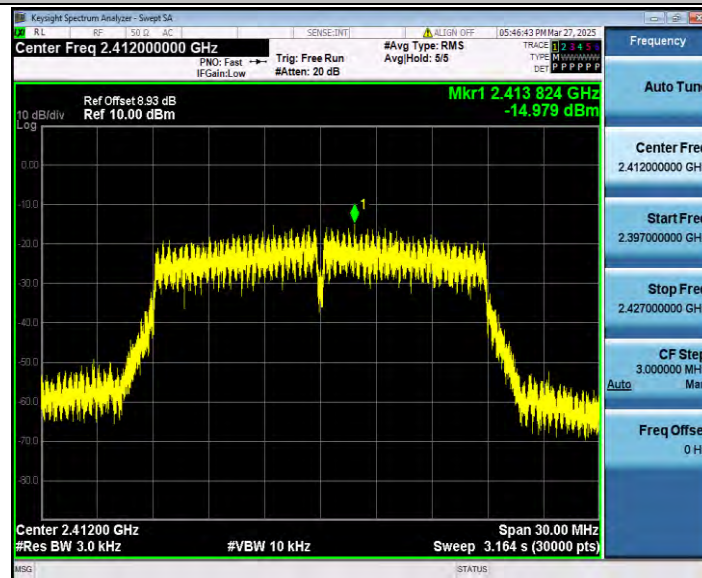
11G_Ant1_2437



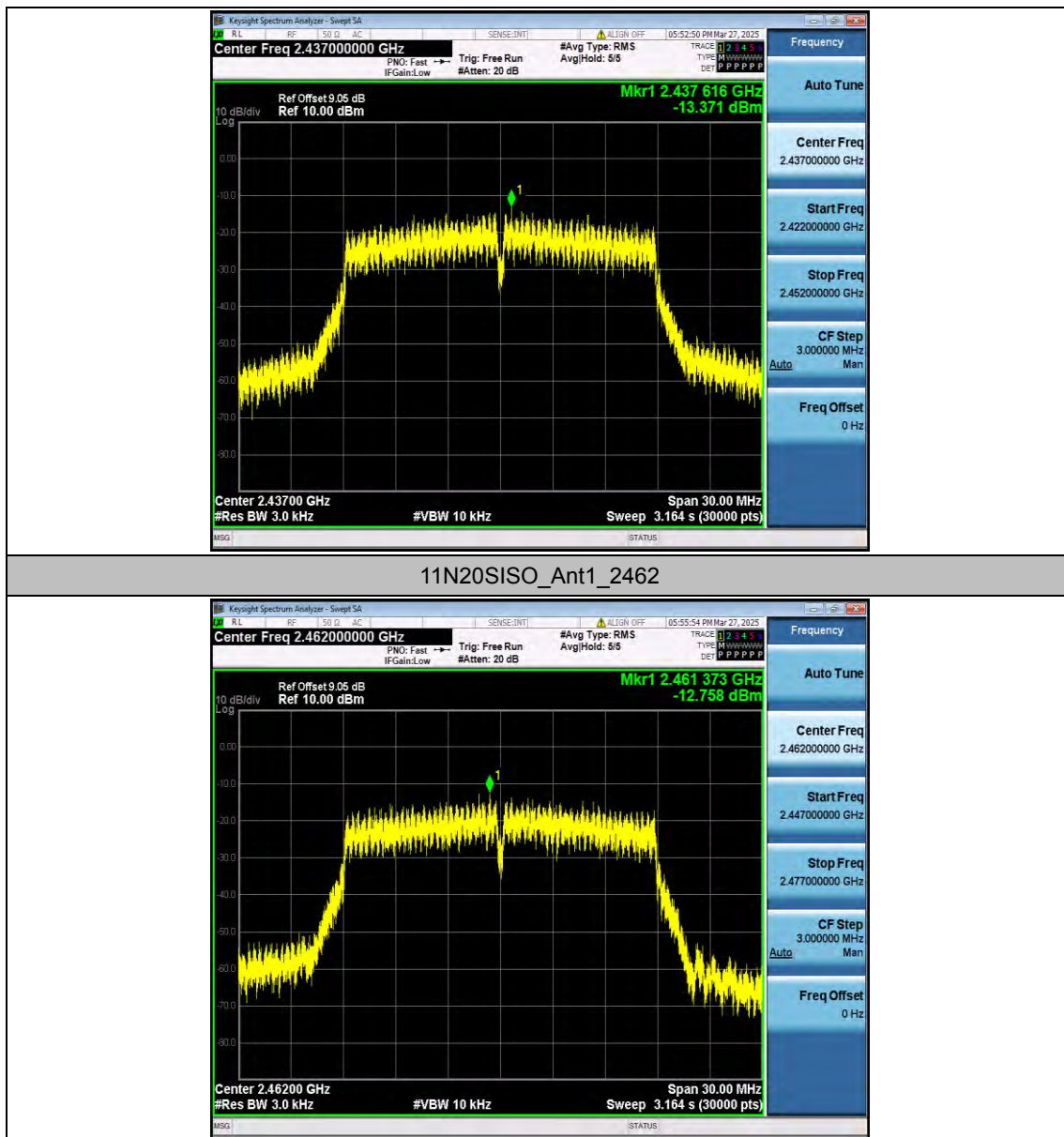
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



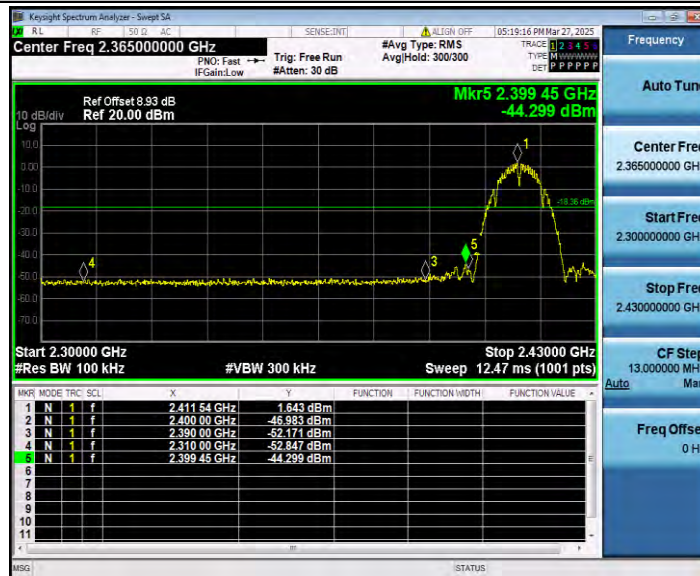
Appendix C.5: Band edge measurements

Test Result

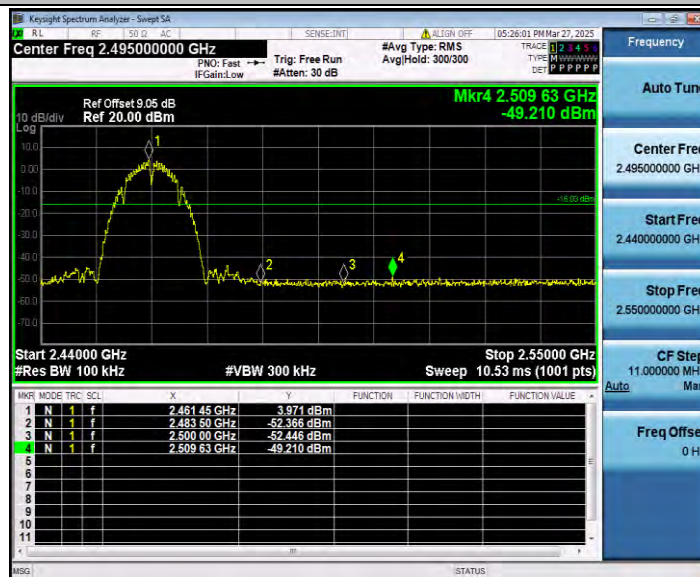
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.64	-44.3	≤ -18.36	PASS
		High	2462	3.97	-49.21	≤ -16.03	PASS
11G	Ant1	Low	2412	0.44	-24.12	≤ -19.57	PASS
		High	2462	-1.86	-48.48	≤ -21.86	PASS
11N20SISO	Ant1	Low	2412	-3.81	-34.72	≤ -23.81	PASS
		High	2462	-1.63	-46.34	≤ -21.63	PASS

Test Graphs

11B_Ant1_Low_2412



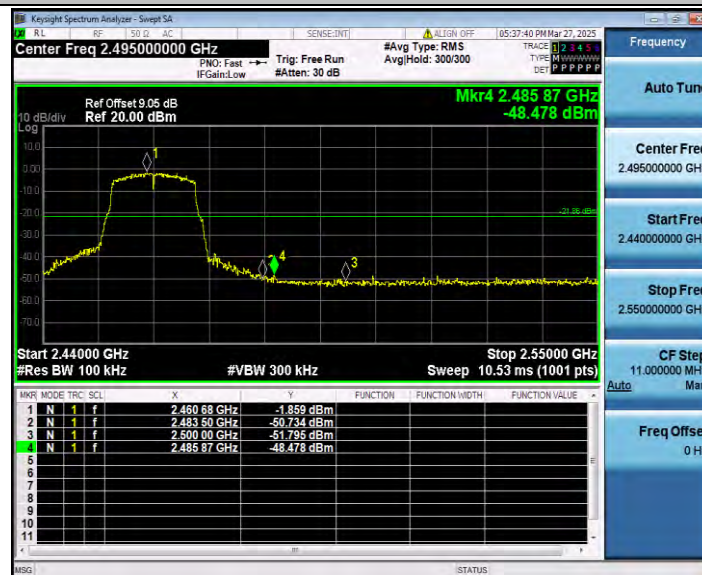
11B_Ant1_High_2462



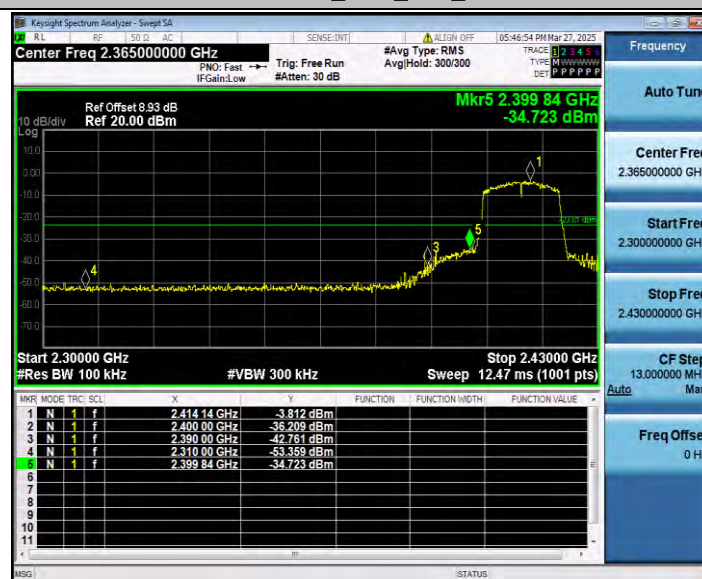
11G_Ant1_Low_2412

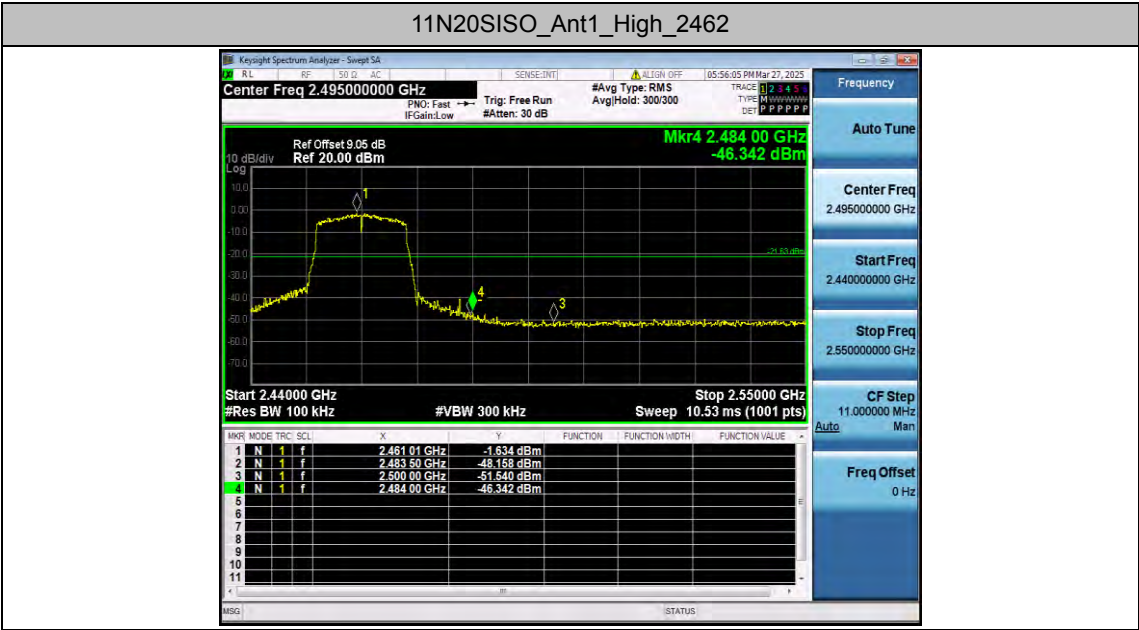


11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



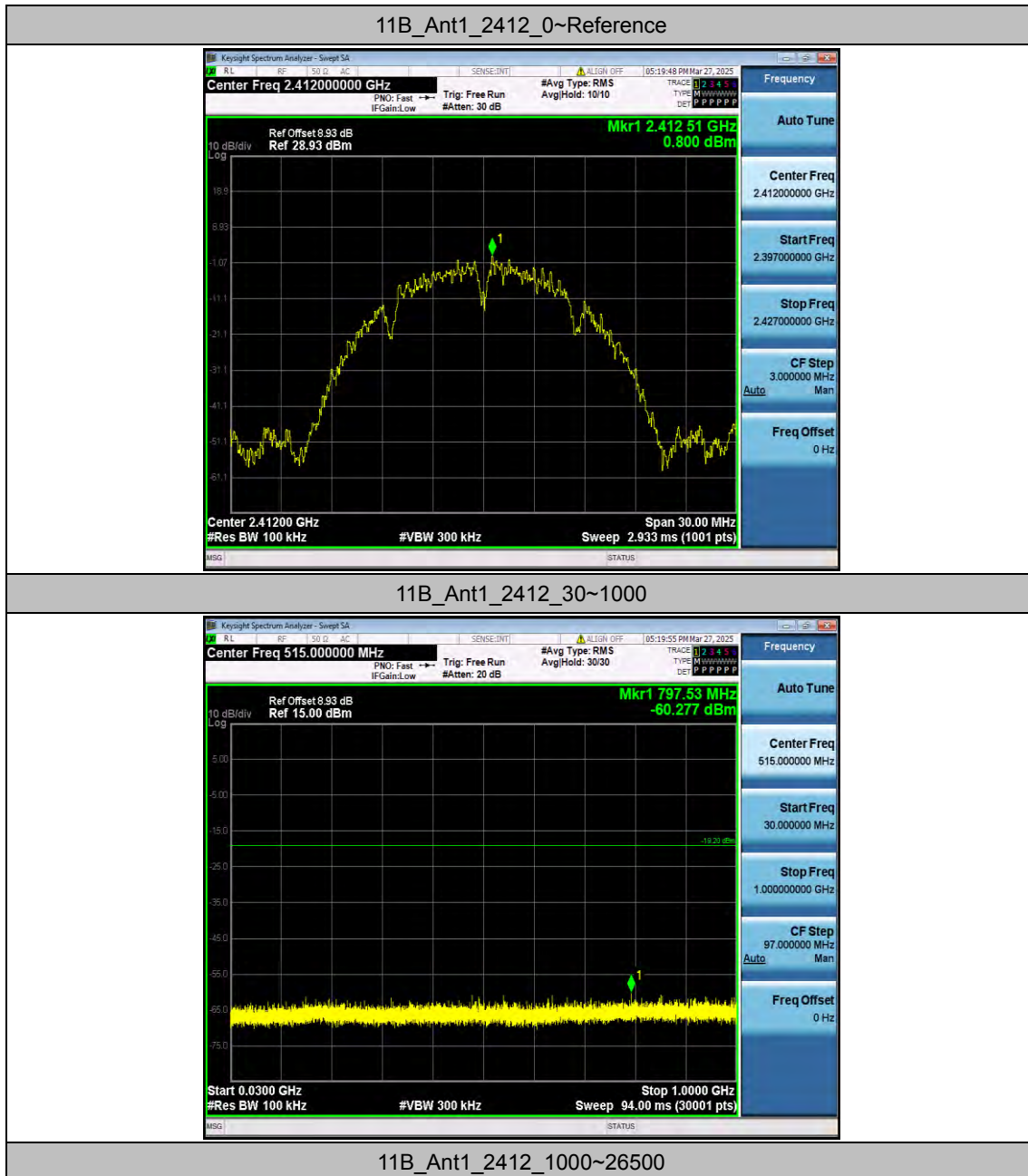


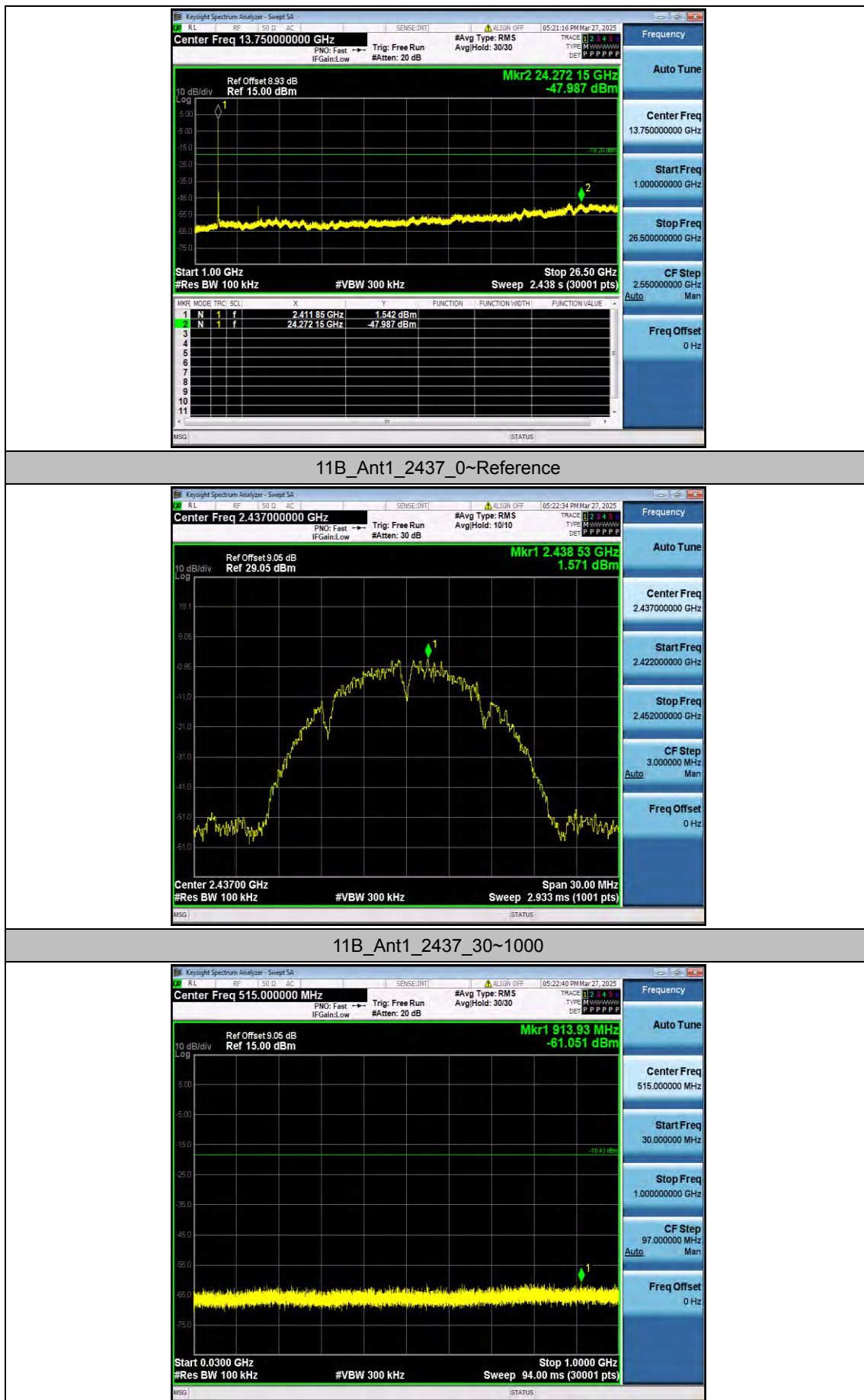
Appendix C.6: Conducted Spurious Emission

Test Result

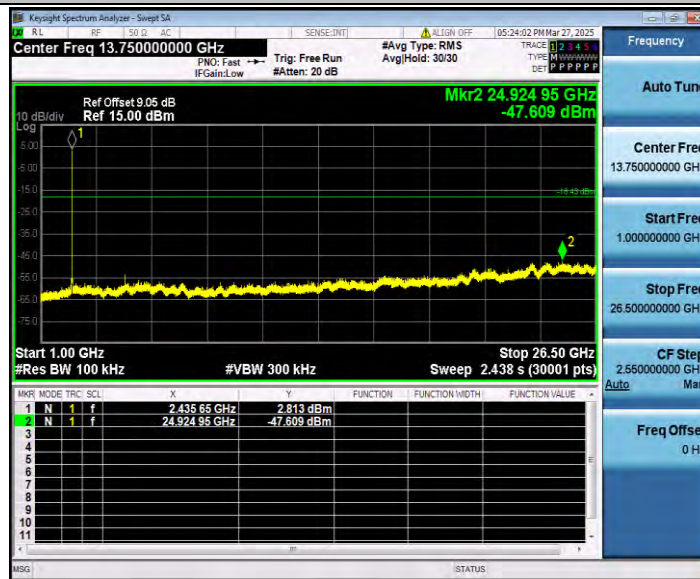
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.80	0.80	---	PASS
			30~1000	0.80	-60.28	≤ -19.2	PASS
			1000~26500	0.80	-47.99	≤ -19.2	PASS
		2437	Reference	1.57	1.57	---	PASS
			30~1000	1.57	-61.05	≤ -18.43	PASS
			1000~26500	1.57	-47.61	≤ -18.43	PASS
		2462	Reference	2.74	2.74	---	PASS
			30~1000	2.74	-60.5	≤ -17.26	PASS
			1000~26500	2.74	-47.09	≤ -17.26	PASS
11G	Ant1	2412	Reference	-1.14	-1.14	---	PASS
			30~1000	-1.14	-60.72	≤ -21.14	PASS
			1000~26500	-1.14	-47.86	≤ -21.14	PASS
		2437	Reference	-2.44	-2.44	---	PASS
			30~1000	-2.44	-60.49	≤ -22.44	PASS
			1000~26500	-2.44	-46.98	≤ -22.44	PASS
		2462	Reference	-1.35	-1.35	---	PASS
			30~1000	-1.35	-60.76	≤ -21.35	PASS
			1000~26500	-1.35	-47.74	≤ -21.35	PASS
11N20SISO	Ant1	2412	Reference	-4.17	-4.17	---	PASS
			30~1000	-4.17	-60.6	≤ -24.17	PASS
			1000~26500	-4.17	-47.95	≤ -24.17	PASS
		2437	Reference	-3.33	-3.33	---	PASS
			30~1000	-3.33	-60.54	≤ -23.33	PASS
			1000~26500	-3.33	-47.74	≤ -23.33	PASS
		2462	Reference	-2.59	-2.59	---	PASS
			30~1000	-2.59	-60.53	≤ -22.59	PASS
			1000~26500	-2.59	-47.3	≤ -22.59	PASS

Test Graphs





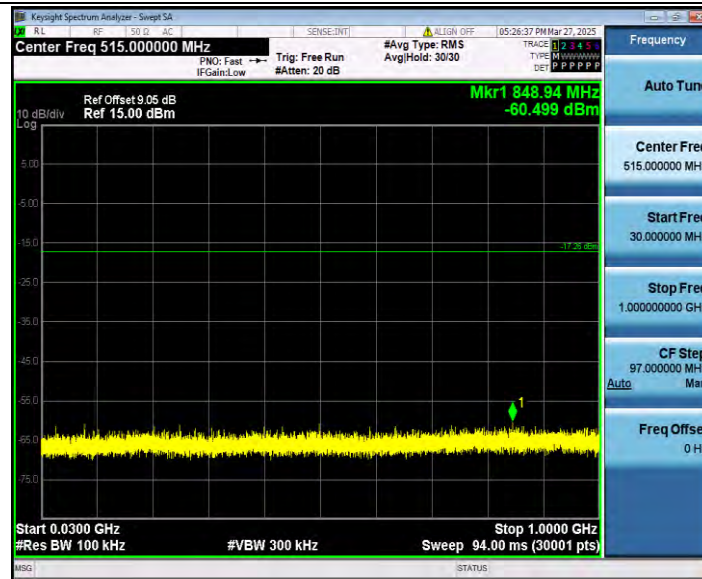
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

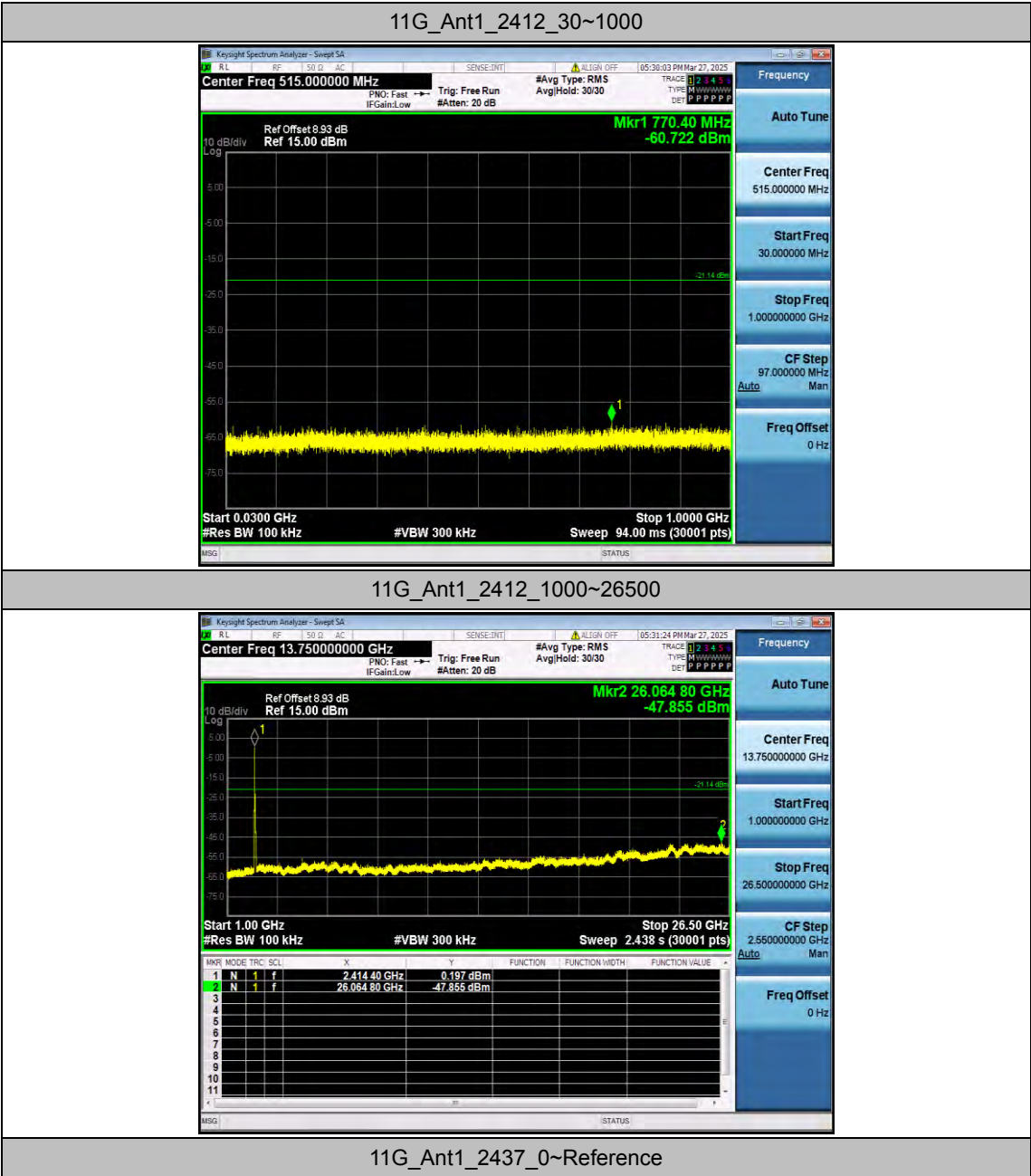


11B_Ant1_2462_1000~26500



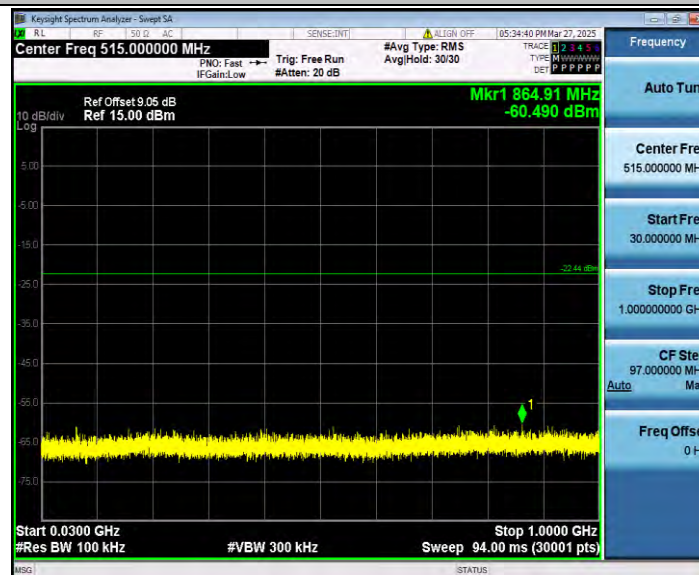
11G_Ant1_2412_0~Reference







11G_Ant1_2437_30~1000



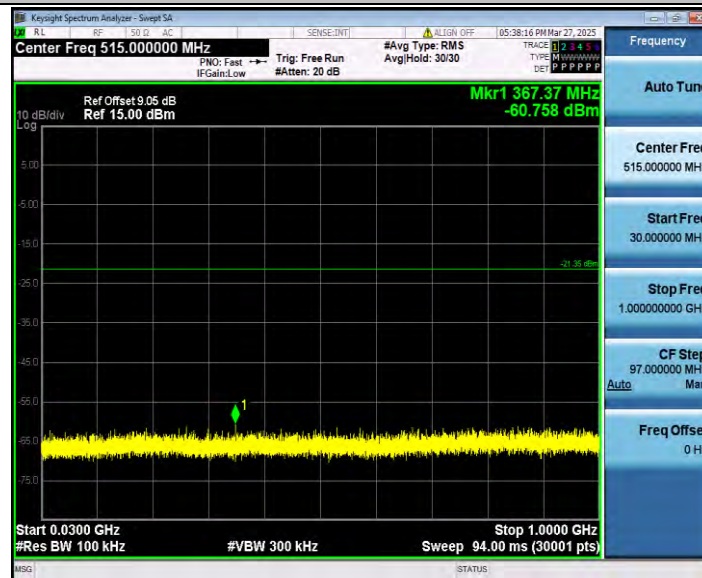
11G_Ant1_2437_1000~26500



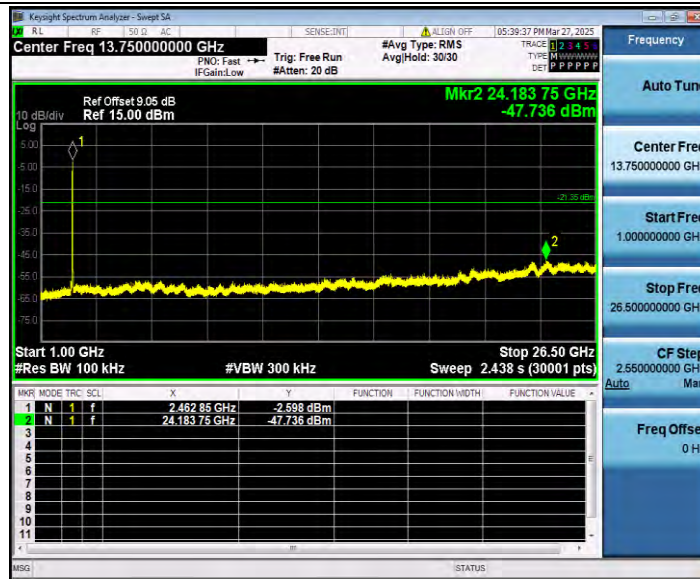
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



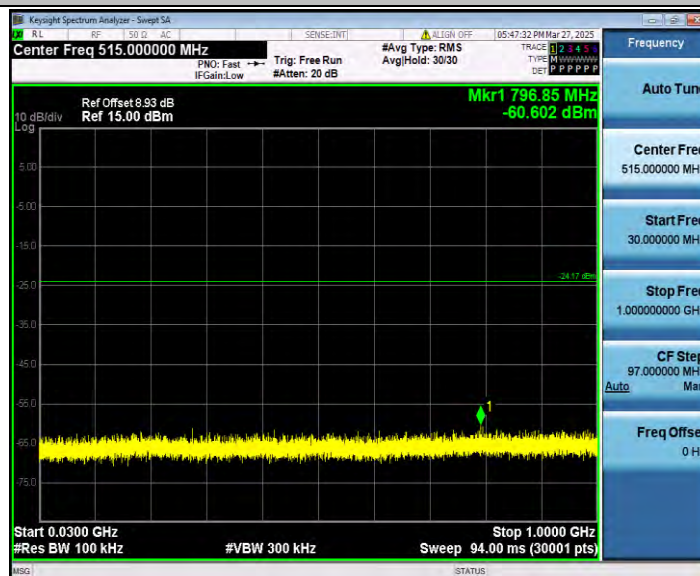
11G_Ant1_2462_1000~26500



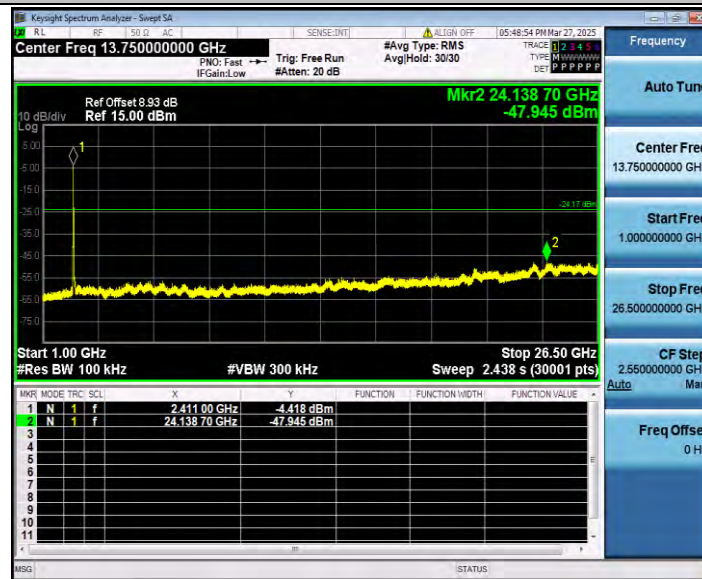
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



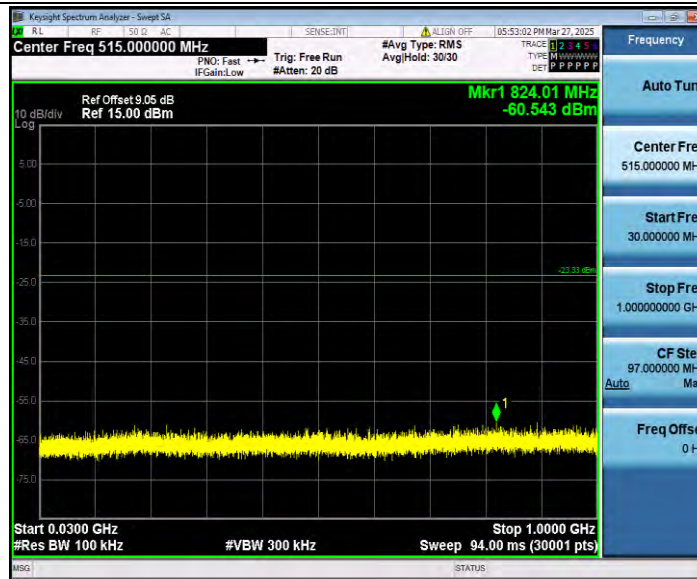
11N20SISO_Ant1_2412_1000~26500



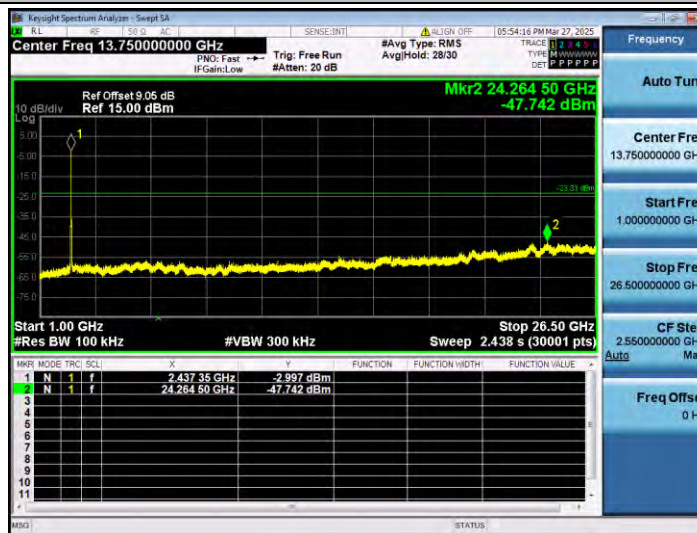
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



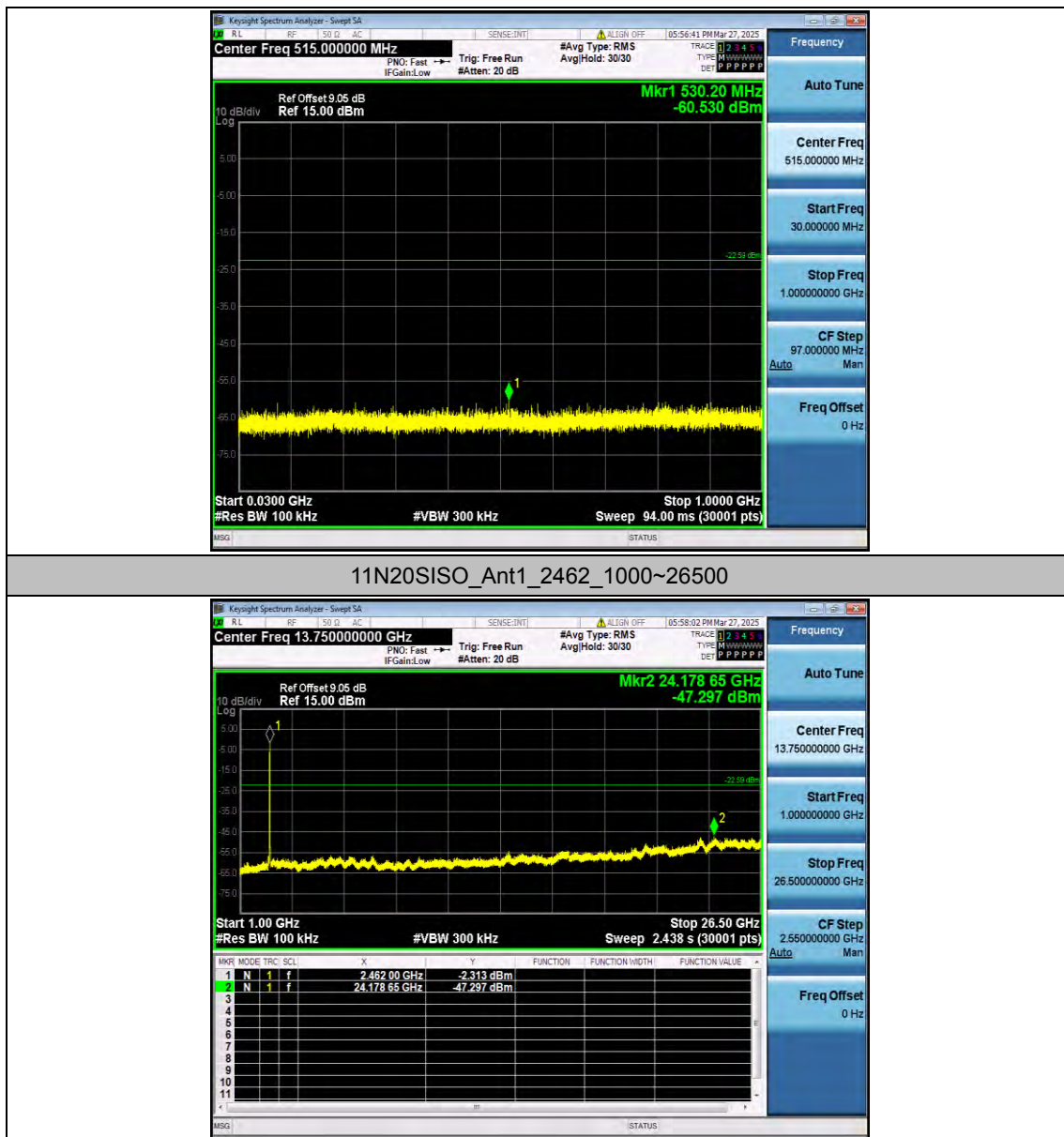
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



Appendix C.7: Emissions in Restricted Bands

Test Result

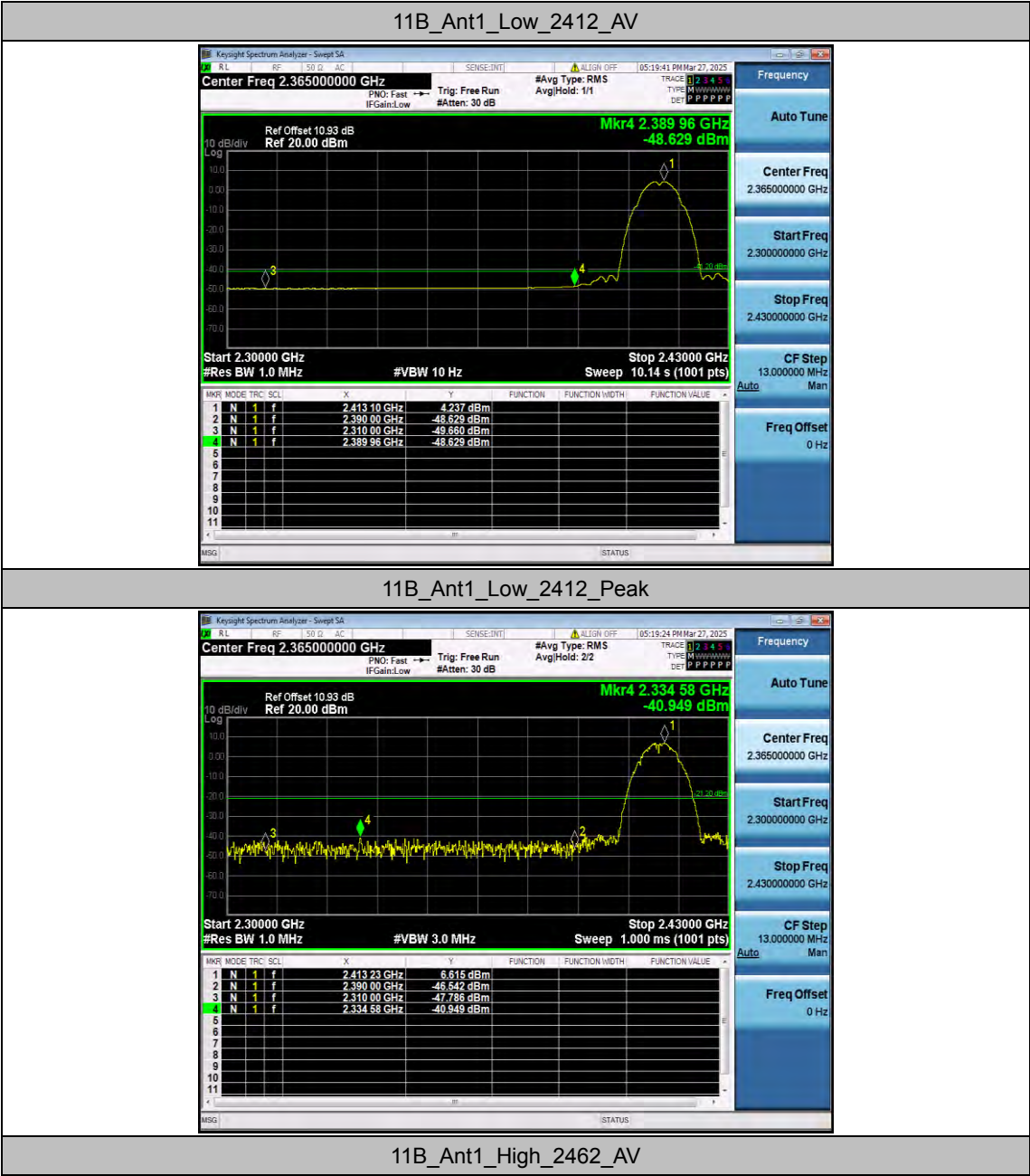
TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.66	≤-41.20	45.54	≤54	PASS
				AV	2389.960	-48.63	≤-41.20	46.57	≤54	PASS
				AV	2390.000	-48.63	≤-41.20	46.57	≤54	PASS
				Peak	2310.000	-47.79	≤-21.20	47.41	≤74	PASS
				Peak	2334.580	-40.95	≤-21.20	54.25	≤74	PASS
				Peak	2390.000	-46.54	≤-21.20	48.66	≤74	PASS
		High	2462	AV	2483.500	-48.57	≤-41.20	46.63	≤54	PASS
				AV	2483.560	-48.57	≤-41.20	46.63	≤54	PASS
				AV	2500.000	-48.96	≤-41.20	46.24	≤54	PASS
				Peak	2483.500	-43.7	≤-21.20	51.50	≤74	PASS
				Peak	2486.860	-41.04	≤-21.20	54.16	≤74	PASS
				Peak	2500.000	-47.21	≤-21.20	47.99	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.75	≤-41.20	45.45	≤54	PASS
				AV	2389.960	-46.42	≤-41.20	48.78	≤54	PASS
				AV	2390.000	-46.42	≤-41.20	48.78	≤54	PASS
				Peak	2310.000	-45.13	≤-21.20	50.07	≤74	PASS
				Peak	2388.920	-38.76	≤-21.20	56.44	≤74	PASS
				Peak	2390.000	-43.02	≤-21.20	52.18	≤74	PASS
		High	2462	AV	2483.500	-46.64	≤-41.20	48.56	≤54	PASS
				AV	2483.560	-46.67	≤-41.20	48.53	≤54	PASS
				AV	2500.000	-48.94	≤-41.20	46.26	≤54	PASS
				Peak	2483.500	-40.21	≤-21.20	54.99	≤74	PASS
				Peak	2499.180	-40.95	≤-21.20	54.25	≤74	PASS
				Peak	2500.000	-47.87	≤-21.20	47.33	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.71	≤-41.20	45.49	≤54	PASS
				AV	2389.960	-43.36	≤-41.20	51.84	≤54	PASS
				AV	2390.000	-43.36	≤-41.20	51.84	≤54	PASS
				Peak	2310.000	-48.83	≤-21.20	46.37	≤74	PASS
				Peak	2388.010	-34.32	≤-21.20	60.88	≤74	PASS
				Peak	2390.000	-40.37	≤-21.20	54.83	≤74	PASS
		High	2462	AV	2483.500	-46.13	≤-41.20	49.07	≤54	PASS
				AV	2483.560	-46.17	≤-41.20	49.03	≤54	PASS
				AV	2500.000	-48.94	≤-41.20	46.26	≤54	PASS
				Peak	2483.500	-47.27	≤-21.20	47.93	≤74	PASS
				Peak	2486.310	-32.15	≤-21.20	63.05	≤74	PASS

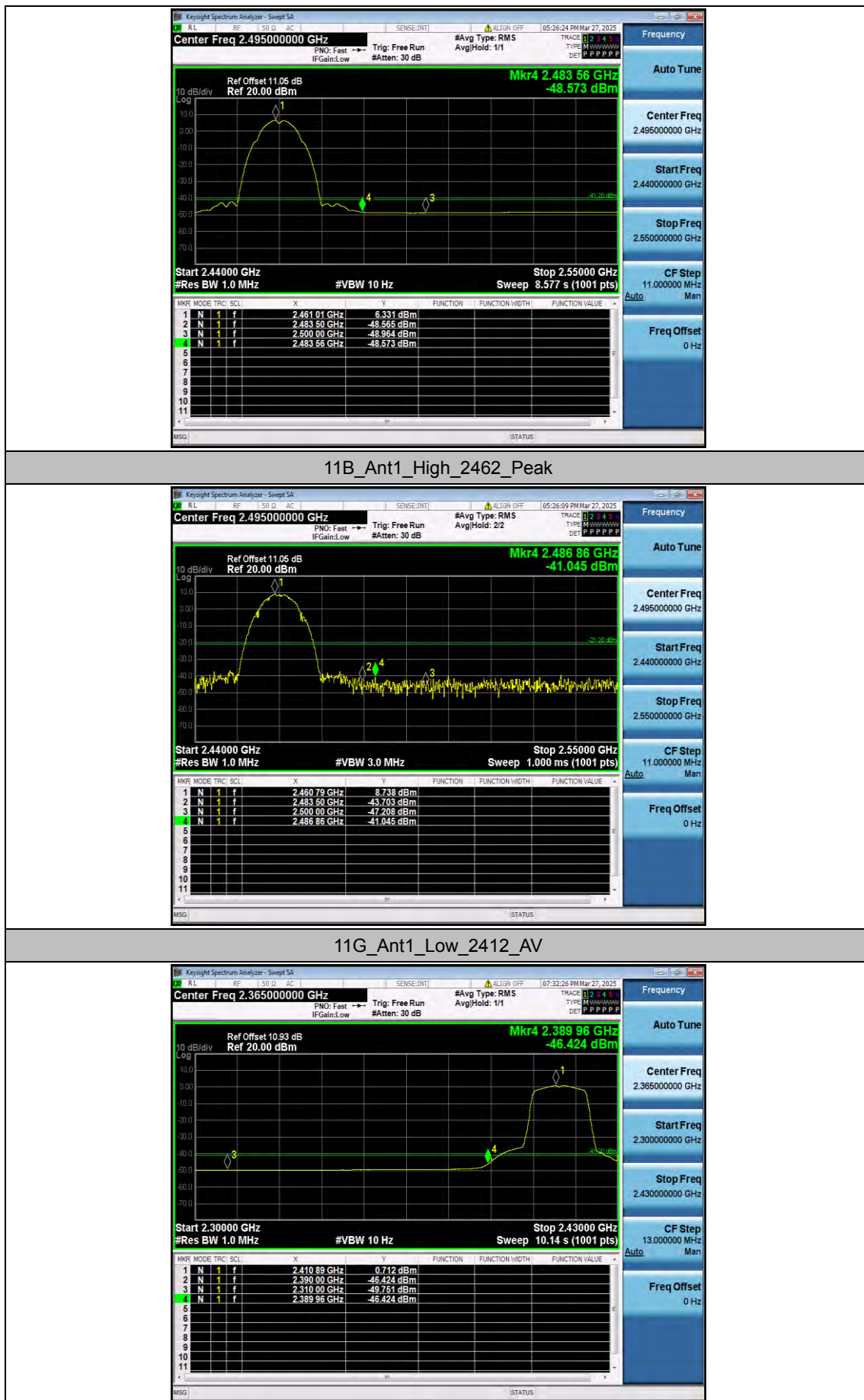
				Peak	2500.000	-46.66	≤ -21.20	48.54	≤ 74	PASS
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Note:

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

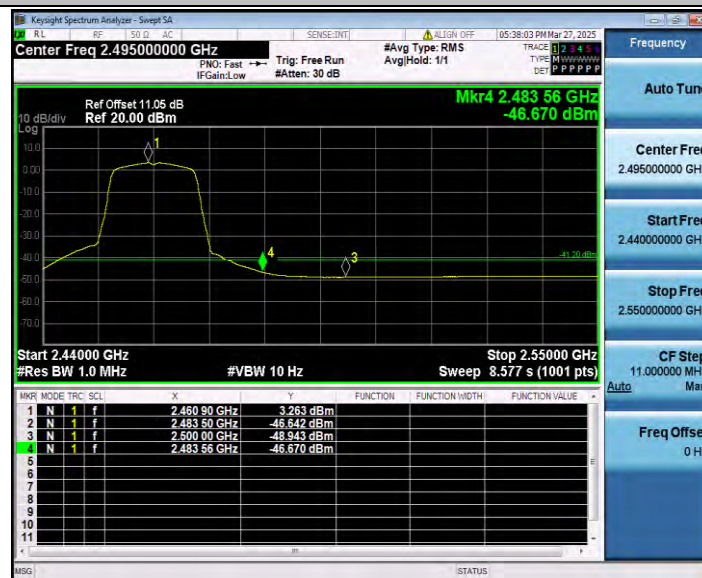




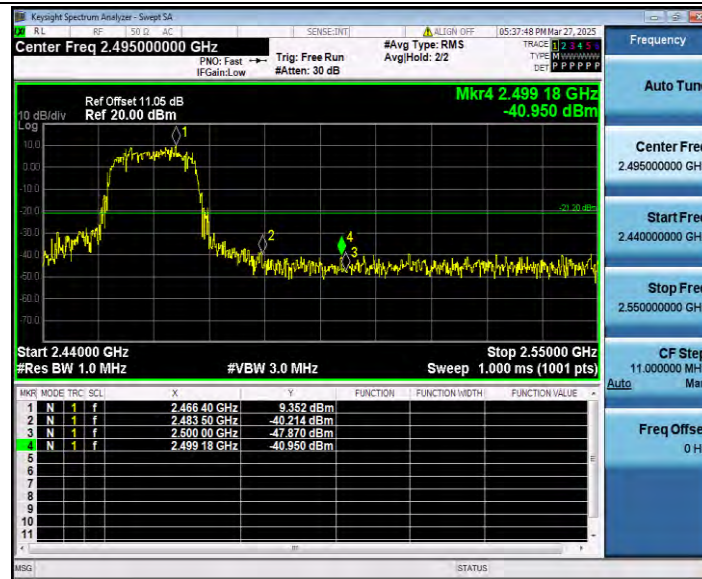
11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV



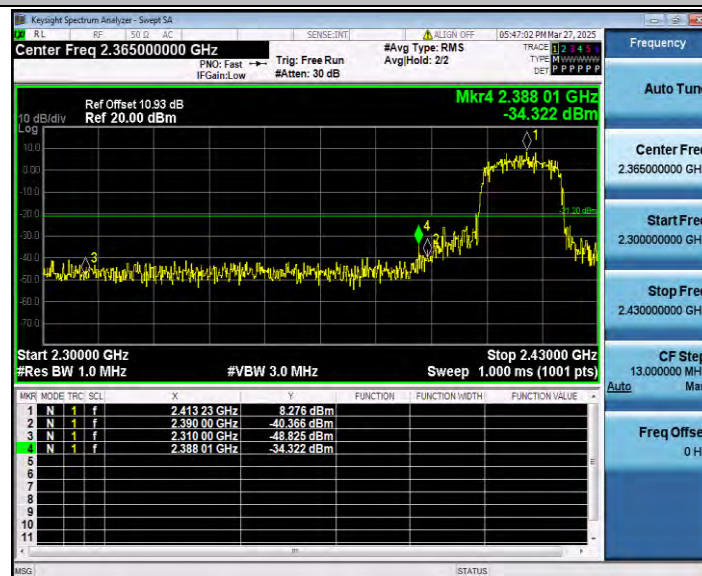
11G_Ant1_High_2462_Peak



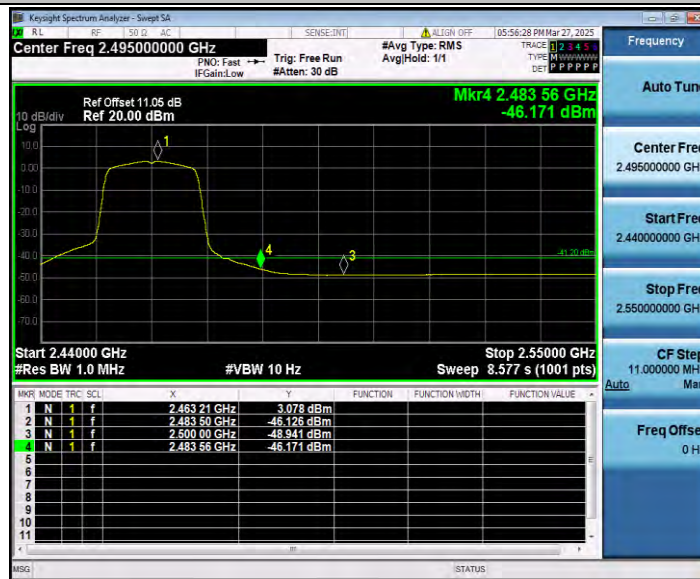
11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak

