

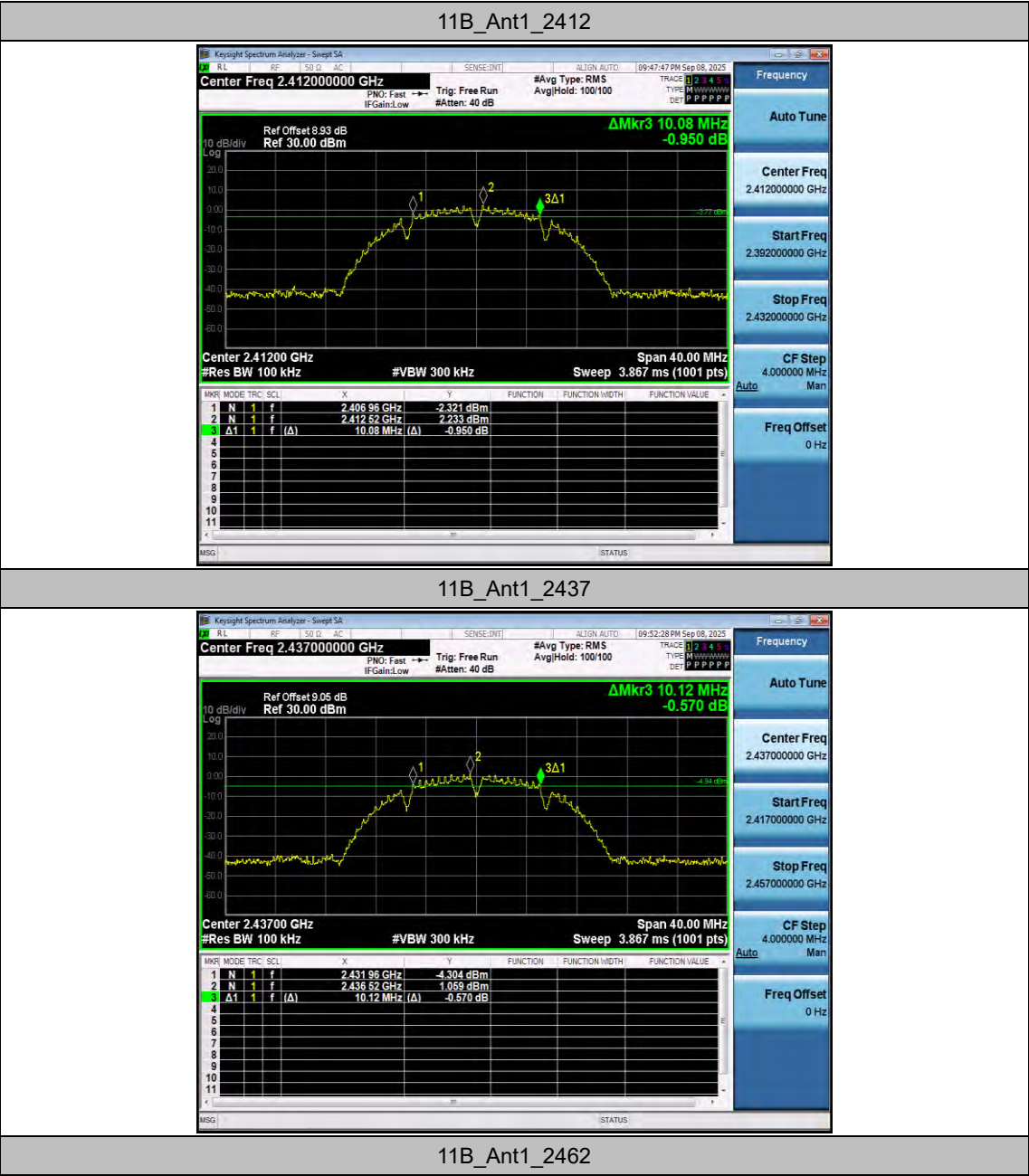
Case No. : GTS20250806018-1-02**Ambient Condition:** 23℃,58%RH,**Test Date:**2025.9.8-205.9.26 **Test Engineer:**Evan ouyang

AppendixA.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.120	2431.960	2442.080	0.5	PASS
		2462	9.520	2457.000	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.120	2403.400	2420.520	0.5	PASS
		2437	17.320	2428.240	2445.560	0.5	PASS
		2462	17.040	2453.240	2470.280	0.5	PASS

Test Graphs





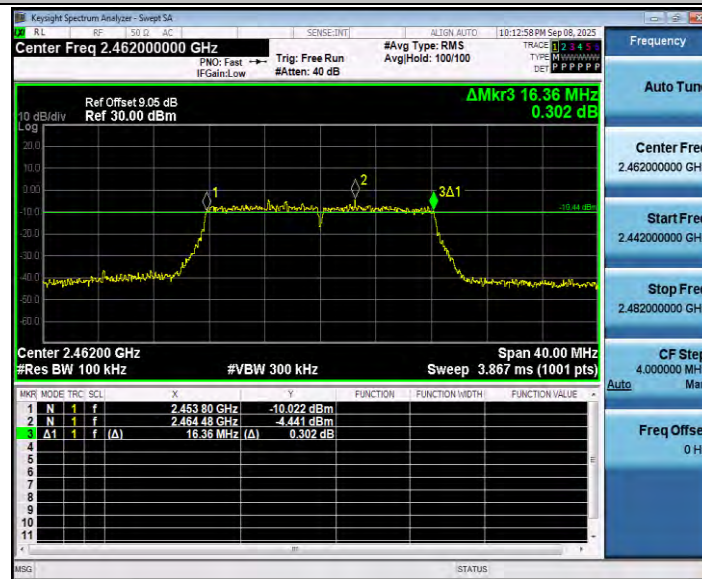
11G_Ant1_2412



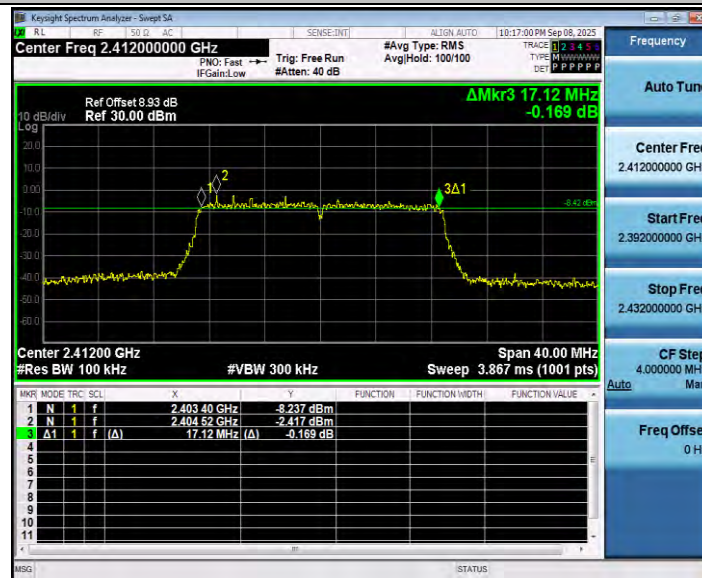
11G_Ant1_2437



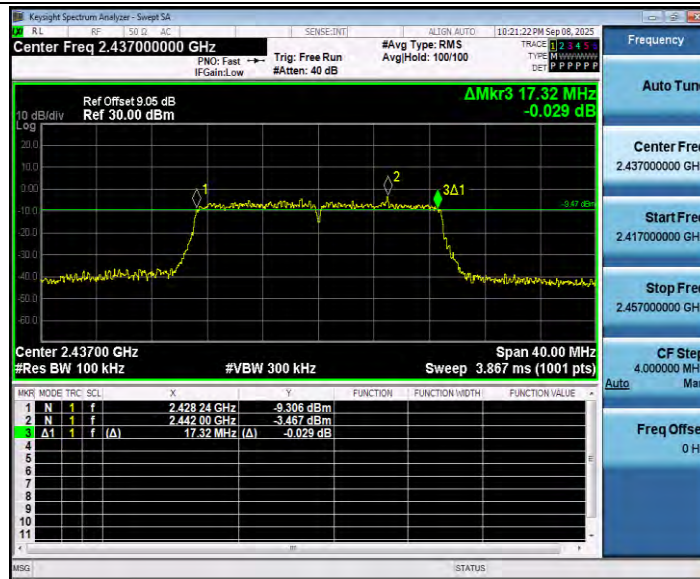
11G_Ant1_2462



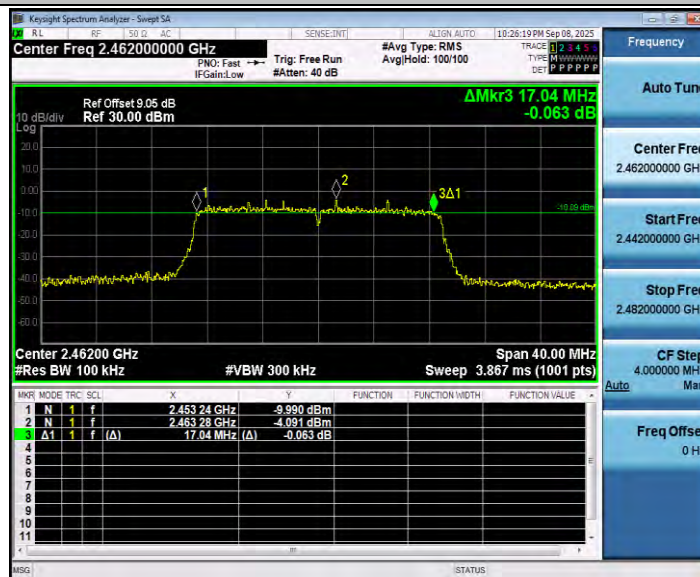
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



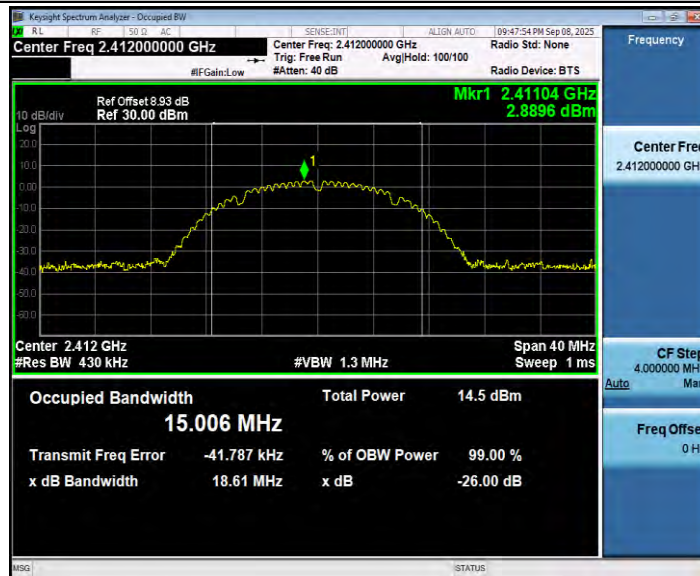
AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.006	2404.4552	2419.4612	---	---
		2437	15.034	2429.4736	2444.5076	---	---
		2462	15.036	2454.4303	2469.4663	---	---
11G	Ant1	2412	16.796	2403.6110	2420.4070	---	---
		2437	17.897	2427.9407	2445.8377	---	---
		2462	16.921	2453.4866	2470.4076	---	---
11N20SISO	Ant1	2412	17.669	2403.1656	2420.8346	---	---
		2437	17.711	2428.1160	2445.8270	---	---
		2462	17.664	2453.1769	2470.8409	---	---

Test Graphs

11B_Ant1_2412



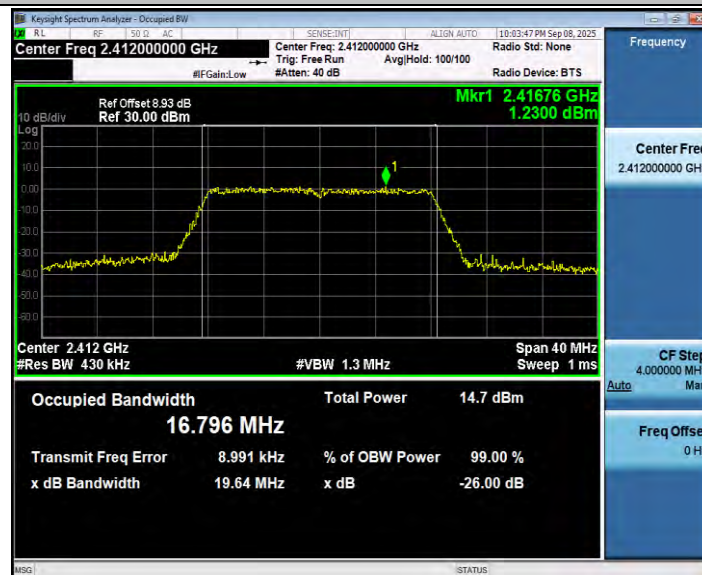
11B_Ant1_2437



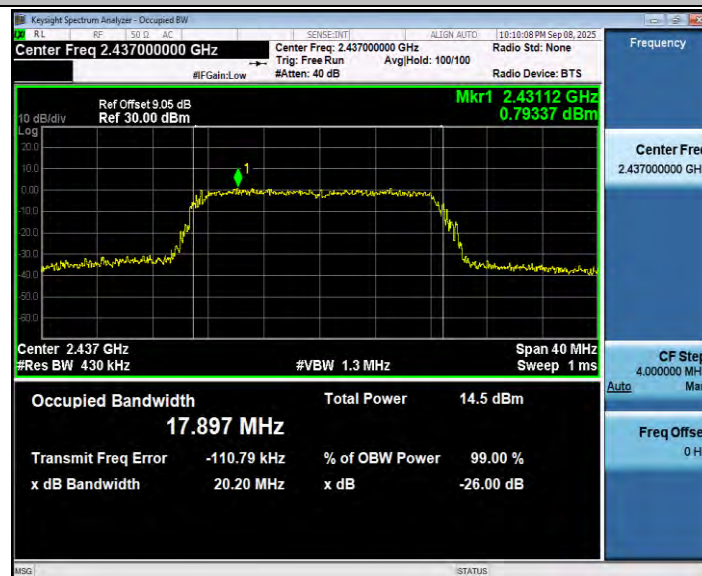
11B_Ant1_2462



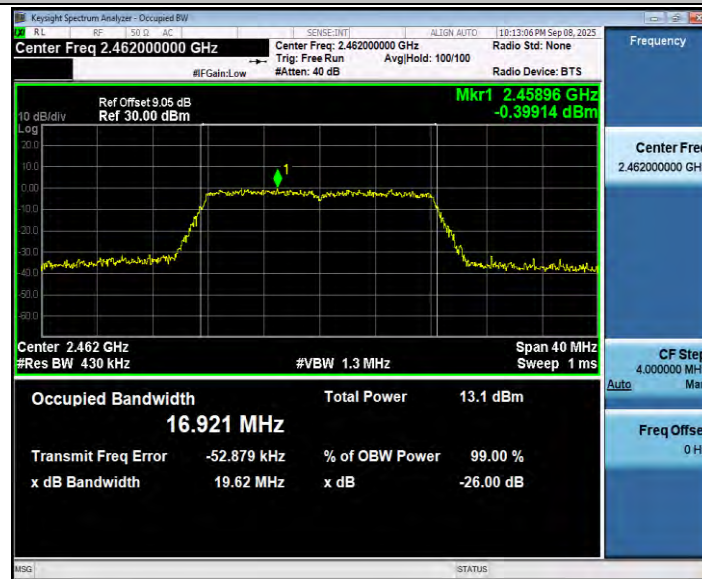
11G_Ant1_2412



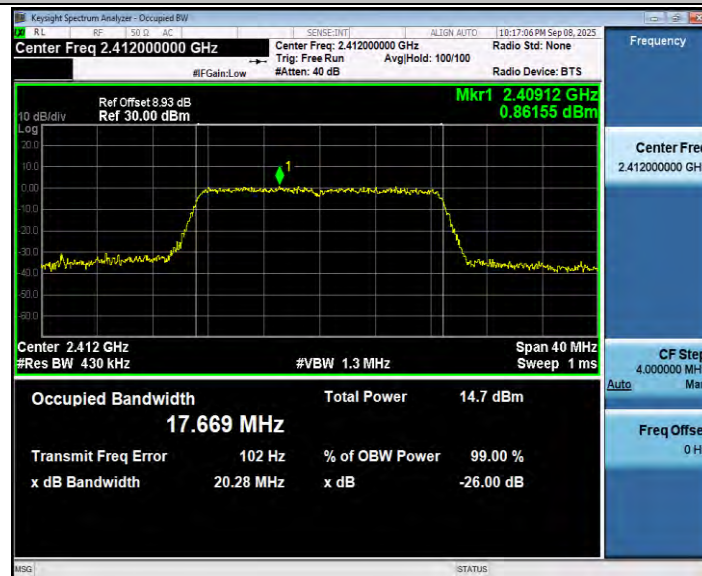
11G_Ant1_2437



11G_Ant1_2462



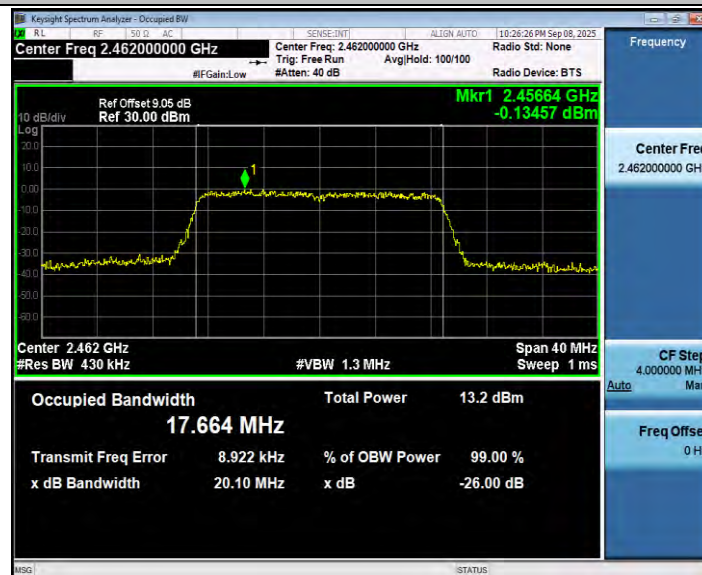
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



AppendixA.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.49	≤30.00	PASS
		2437	13.43	≤30.00	PASS
		2462	12.26	≤30.00	PASS
11G	Ant1	2412	16.02	≤30.00	PASS
		2437	16.69	≤30.00	PASS
		2462	14.47	≤30.00	PASS
11N20SISO	Ant1	2412	15.93	≤30.00	PASS
		2437	15.54	≤30.00	PASS
		2462	14.46	≤30.00	PASS

AppendixA.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.79	≤8.00	PASS
		2437	-13.13	≤8.00	PASS
		2462	-13.90	≤8.00	PASS
11G	Ant1	2412	-17.11	≤8.00	PASS
		2437	-17.34	≤8.00	PASS
		2462	-18.22	≤8.00	PASS
11N20SISO	Ant1	2412	-17.25	≤8.00	PASS
		2437	-17.04	≤8.00	PASS
		2462	-17.76	≤8.00	PASS

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Test Graphs

11B_Ant1_2412



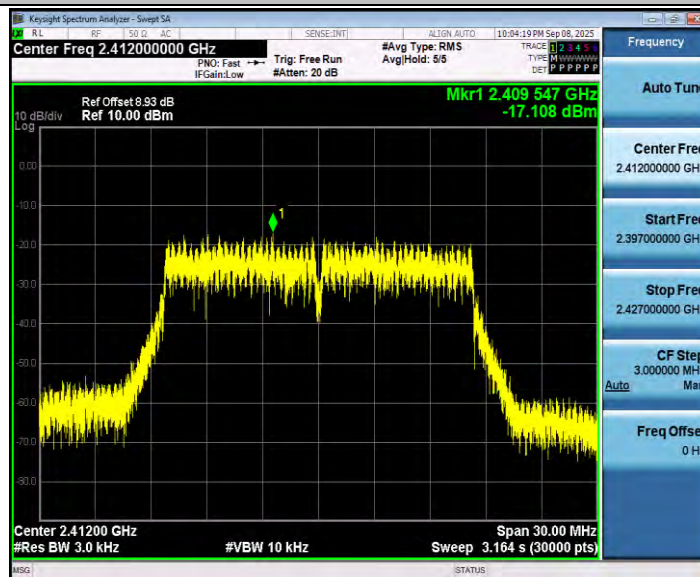
11B_Ant1_2437



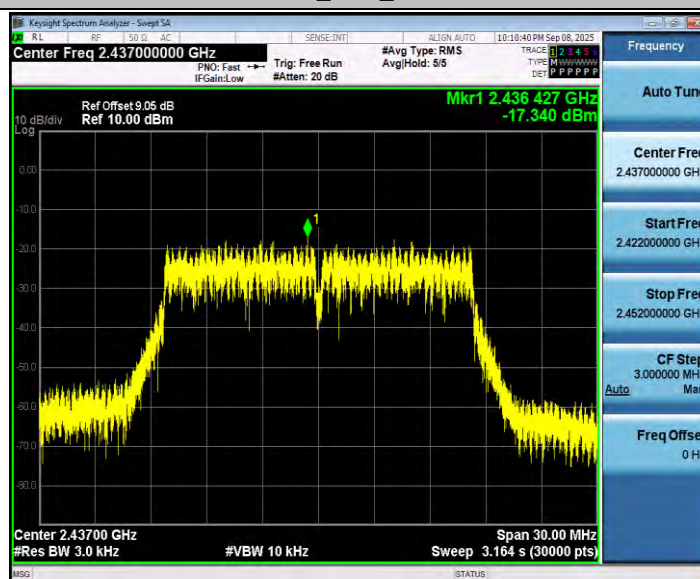
11B_Ant1_2462



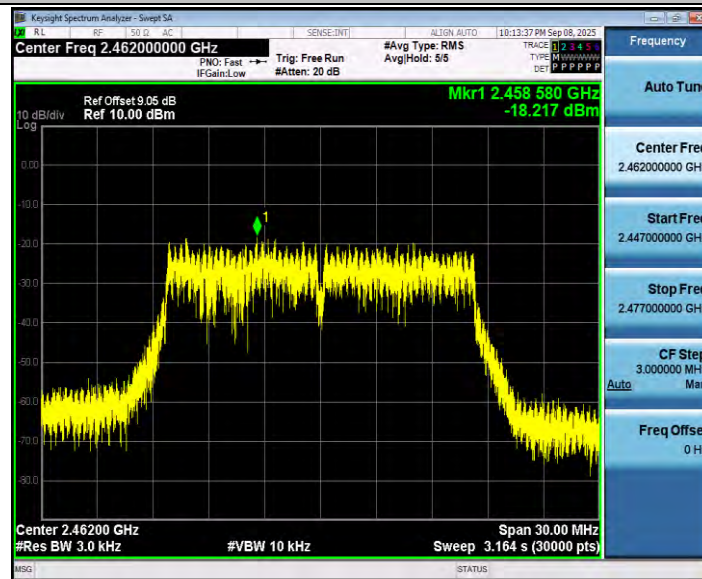
11G_Ant1_2412



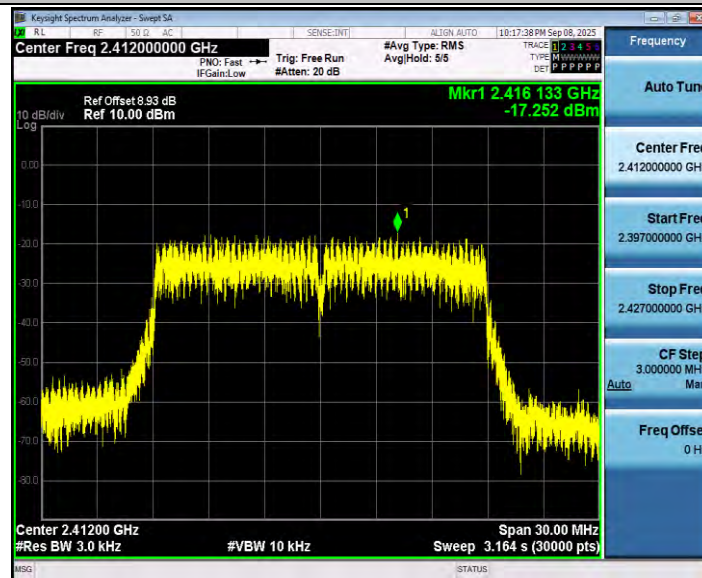
11G_Ant1_2437



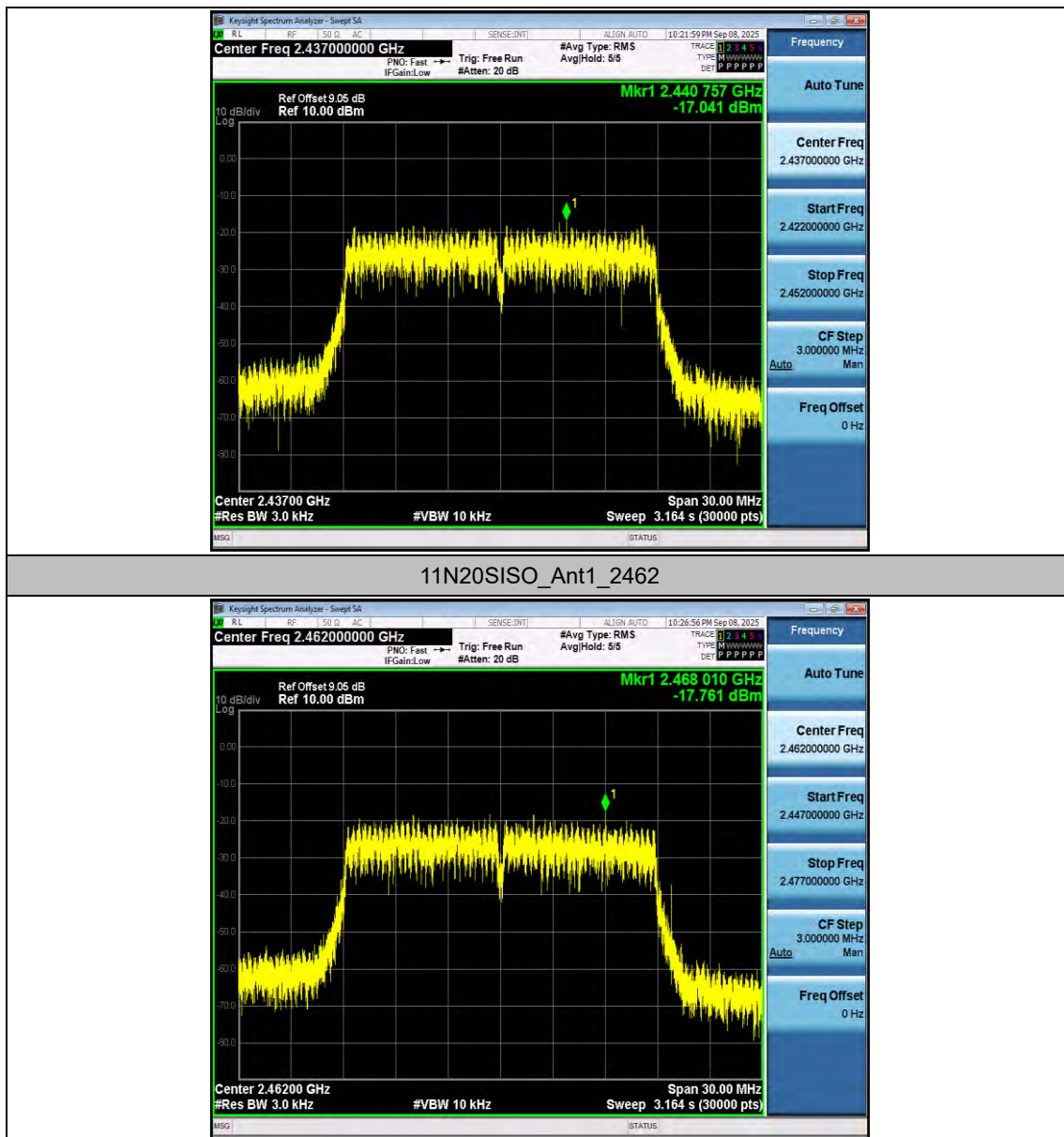
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



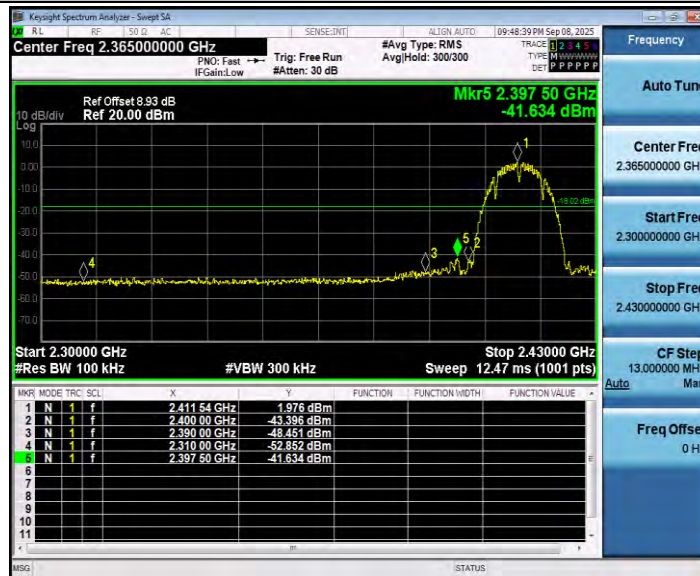
Appendix A.5: Band edge measurements

Test Result

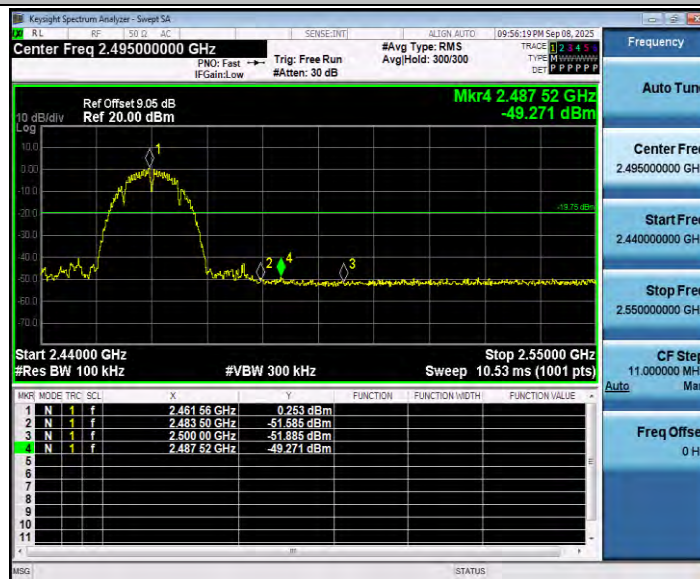
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.98	-41.63	≤-18.02	PASS
		High	2462	0.25	-49.27	≤-19.75	PASS
11G	Ant1	Low	2412	-2.18	-36.58	≤-22.18	PASS
		High	2462	-3.72	-48.45	≤-23.72	PASS
11N20SISO	Ant1	Low	2412	-2.54	-37.37	≤-22.54	PASS
		High	2462	-4.27	-48.87	≤-24.27	PASS

Test Graphs

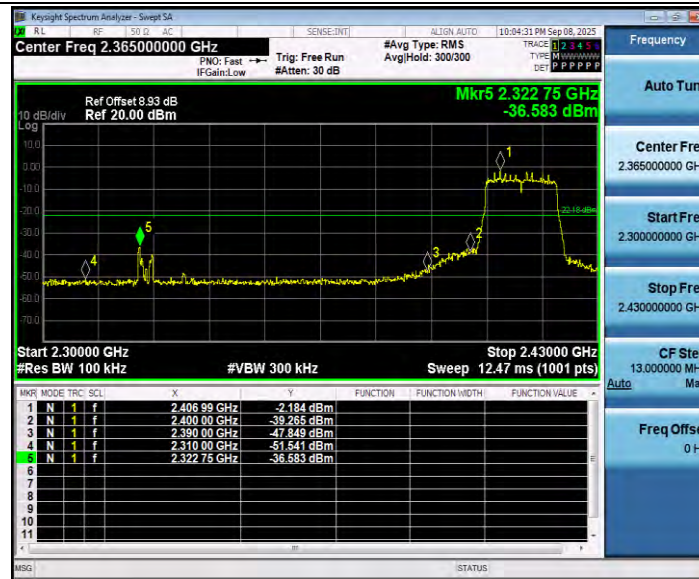
11B_Ant1_Low_2412



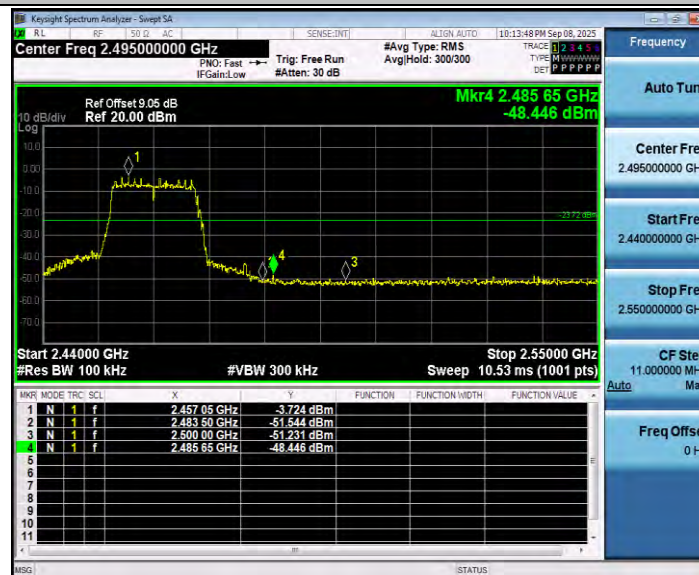
11B_Ant1_High_2462



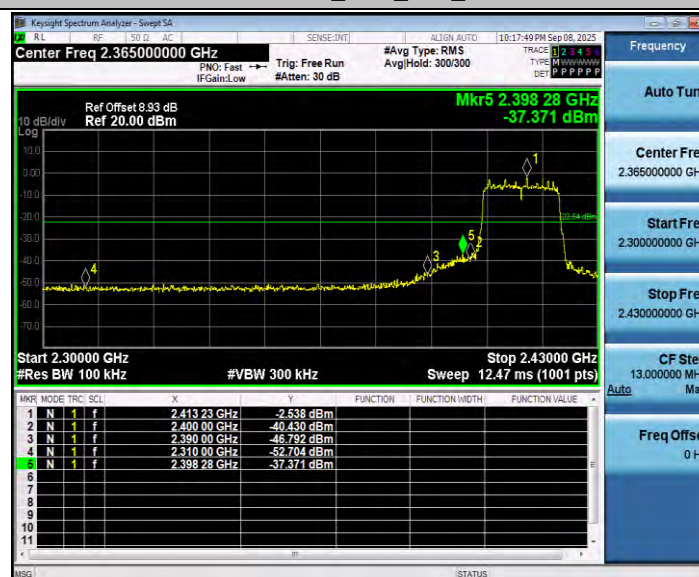
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412

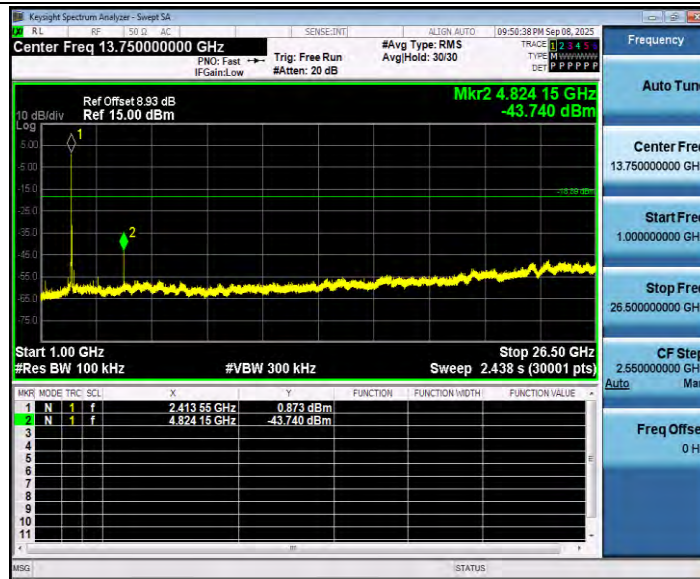




Appendix A.6: Conducted Spurious Emission

Test Result

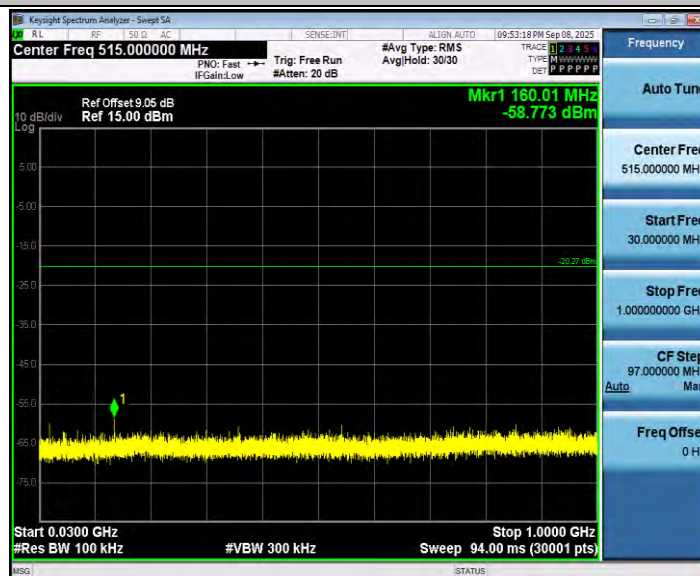
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.11	1.11	---	PASS
			30~1000	1.11	-58.36	≤-18.89	PASS
			1000~26500	1.11	-43.74	≤-18.89	PASS
		2437	Reference	-0.27	-0.27	---	PASS
			30~1000	-0.27	-58.77	≤-20.27	PASS
			1000~26500	-0.27	-44.47	≤-20.27	PASS
		2462	Reference	-0.72	-0.72	---	PASS
			30~1000	-0.72	-59.36	≤-20.72	PASS
			1000~26500	-0.72	-46.57	≤-20.72	PASS
11G	Ant1	2412	Reference	-2.22	-2.22	---	PASS
			30~1000	-2.22	-58.67	≤-22.22	PASS
			1000~26500	-2.22	-47.45	≤-22.22	PASS
		2437	Reference	-6.36	-6.36	---	PASS
			30~1000	-6.36	-57.83	≤-26.36	PASS
			1000~26500	-6.36	-47.5	≤-26.36	PASS
		2462	Reference	-6.54	-6.54	---	PASS
			30~1000	-6.54	-56.69	≤-26.54	PASS
			1000~26500	-6.54	-47.34	≤-26.54	PASS
11N20SISO	Ant1	2412	Reference	-2.09	-2.09	---	PASS
			30~1000	-2.09	-58.32	≤-22.09	PASS
			1000~26500	-2.09	-47.27	≤-22.09	PASS
		2437	Reference	-3.64	-3.64	---	PASS
			30~1000	-3.64	-56.96	≤-23.64	PASS
			1000~26500	-3.64	-47.39	≤-23.64	PASS
		2462	Reference	-4.26	-4.26	---	PASS
			30~1000	-4.26	-56.84	≤-24.26	PASS
			1000~26500	-4.26	-46.98	≤-24.26	PASS

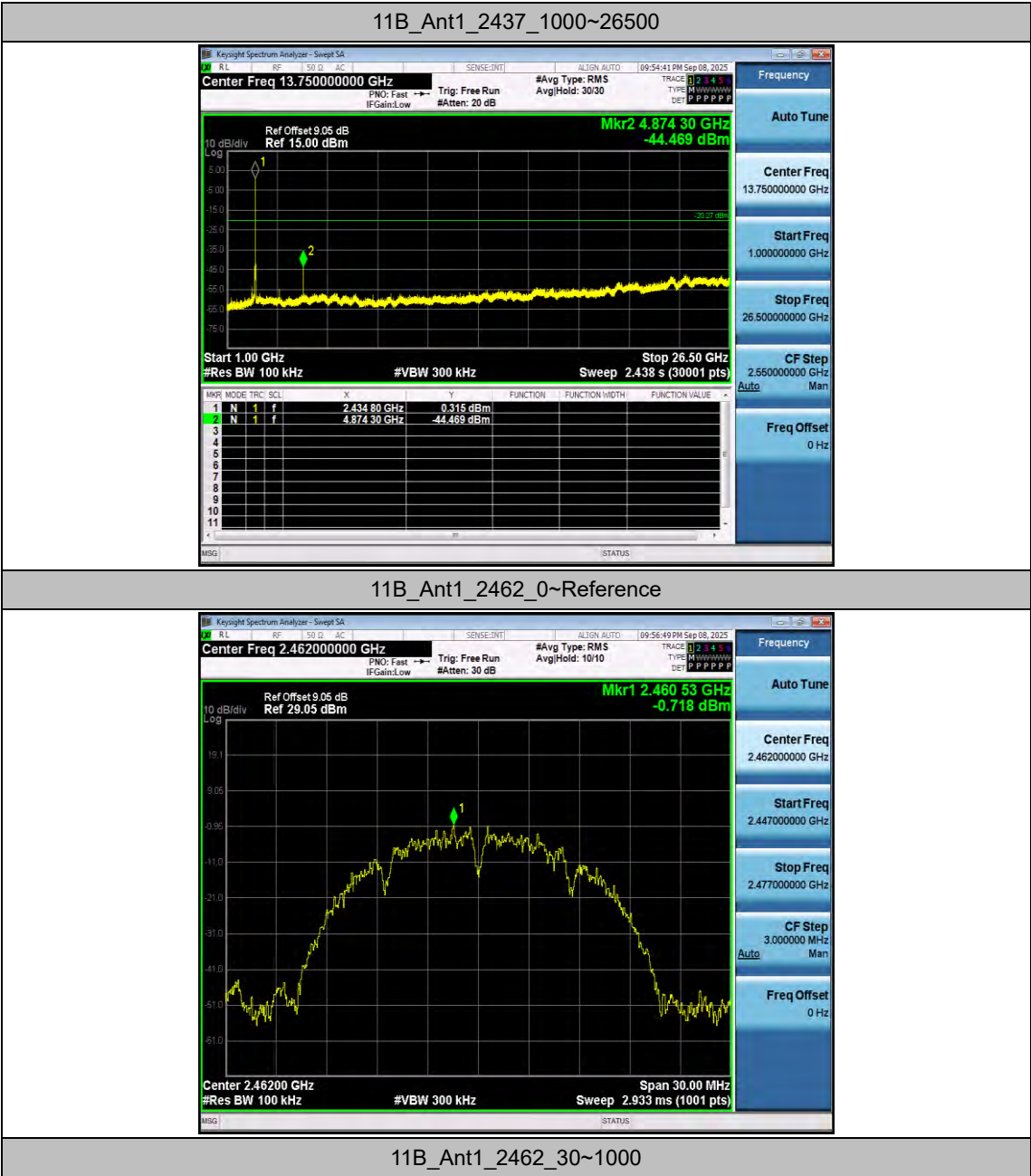


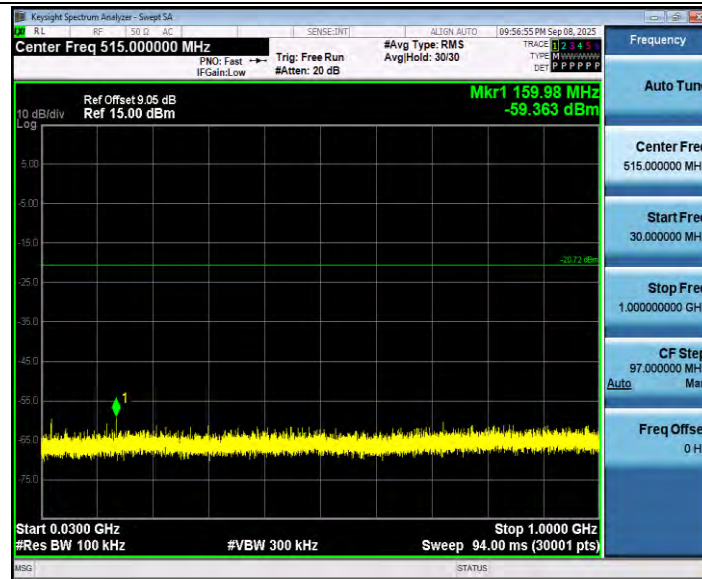
11B_Ant1_2437_0~Reference



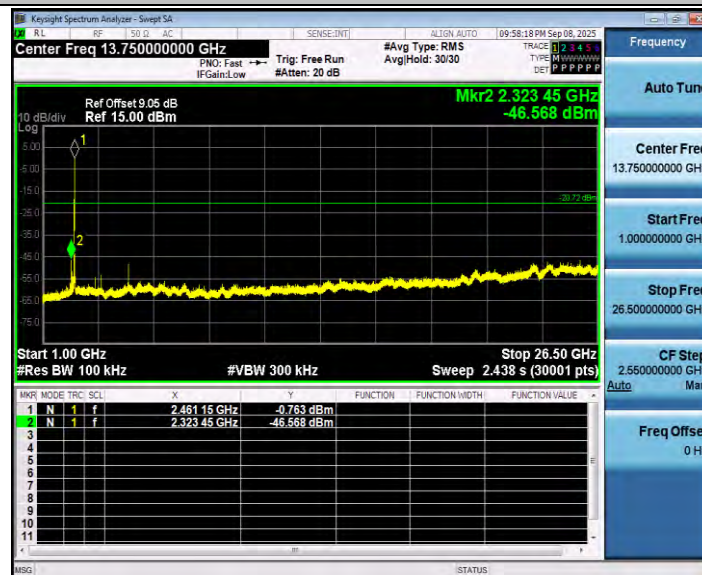
11B_Ant1_2437_30~1000



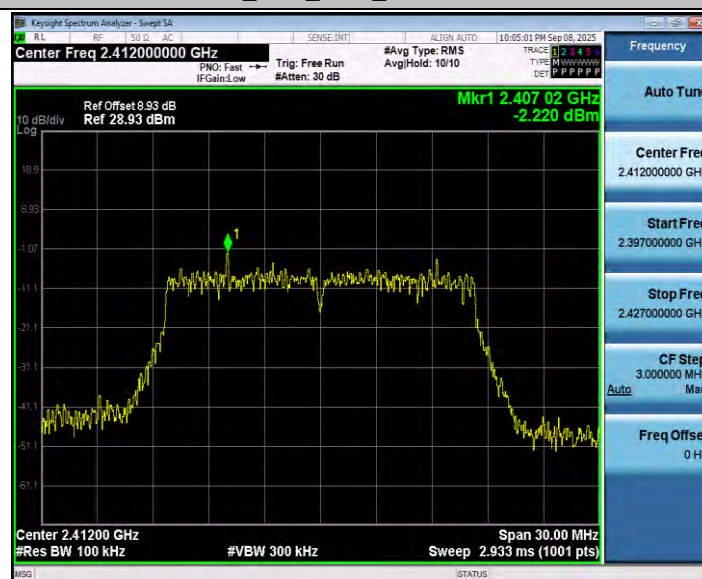




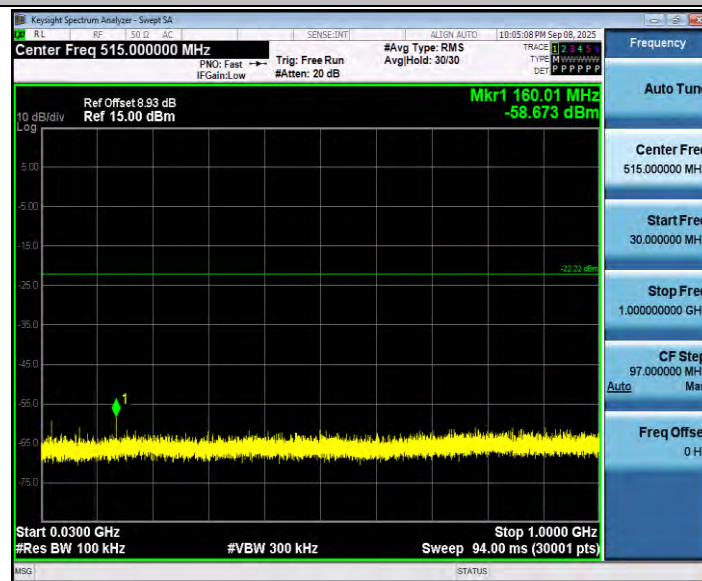
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



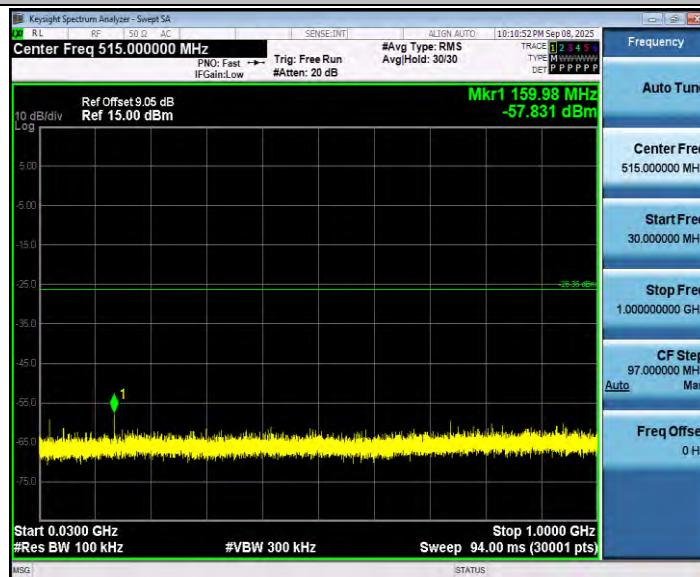
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



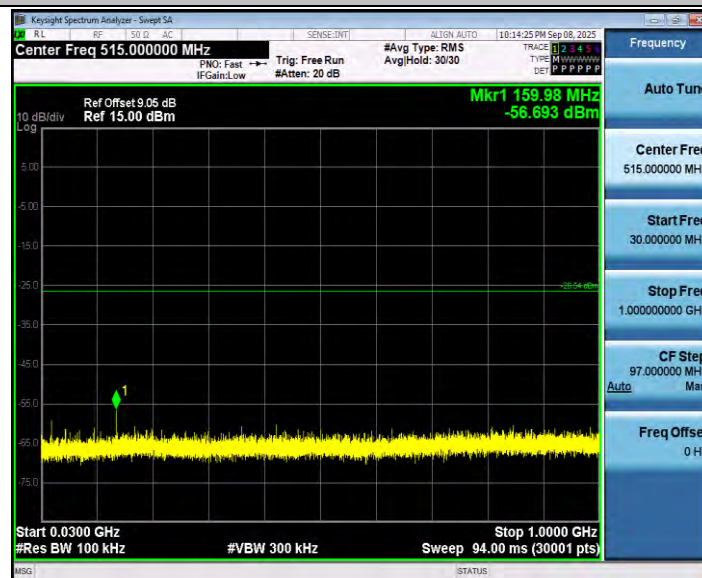
11G_Ant1_2437_1000~26500



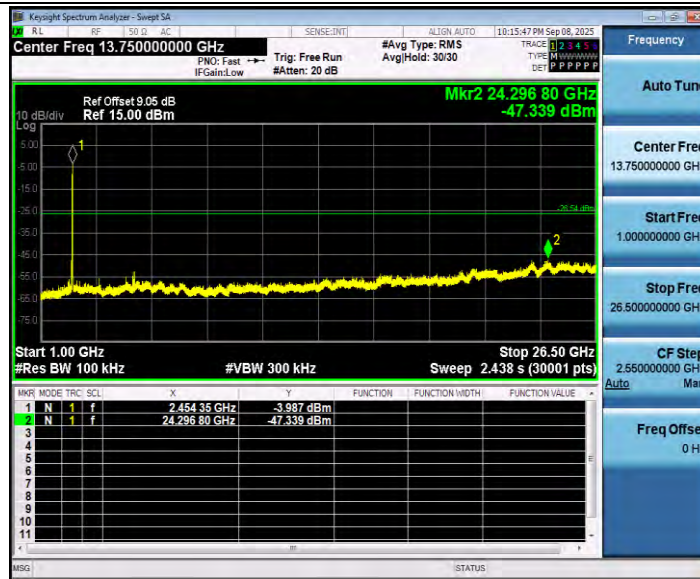
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



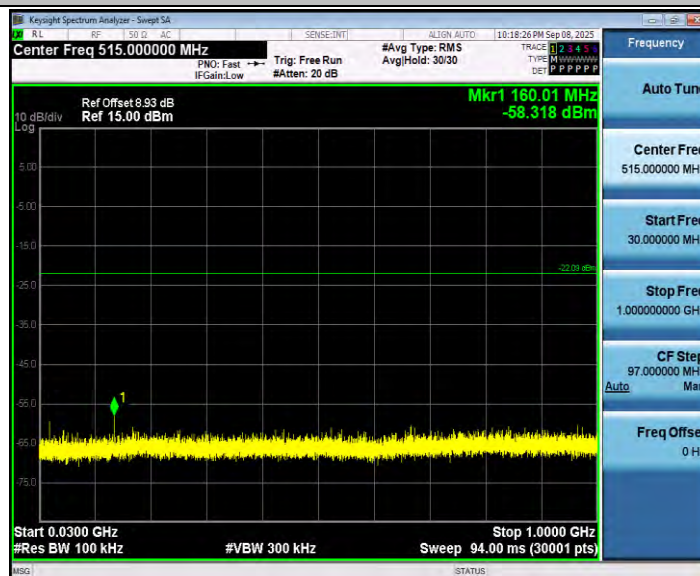
11G_Ant1_2462_1000~26500



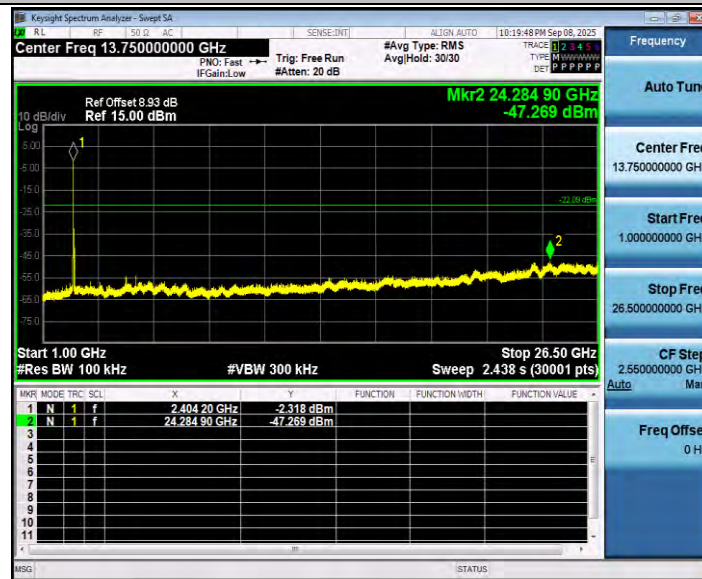
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



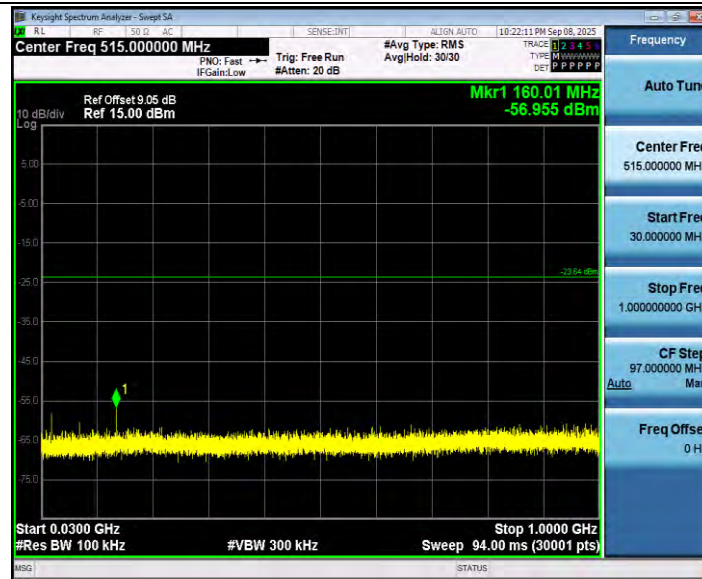
11N20SISO_Ant1_2412_1000~26500



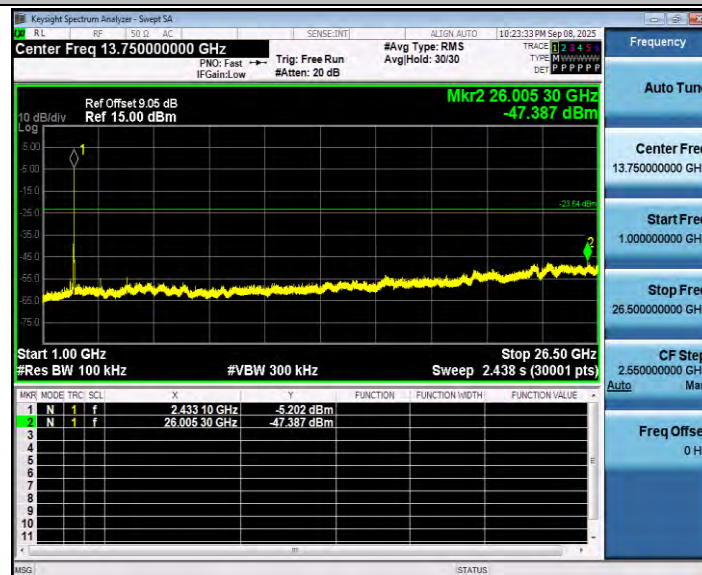
11N20SISO_Ant1_2437_0~Reference



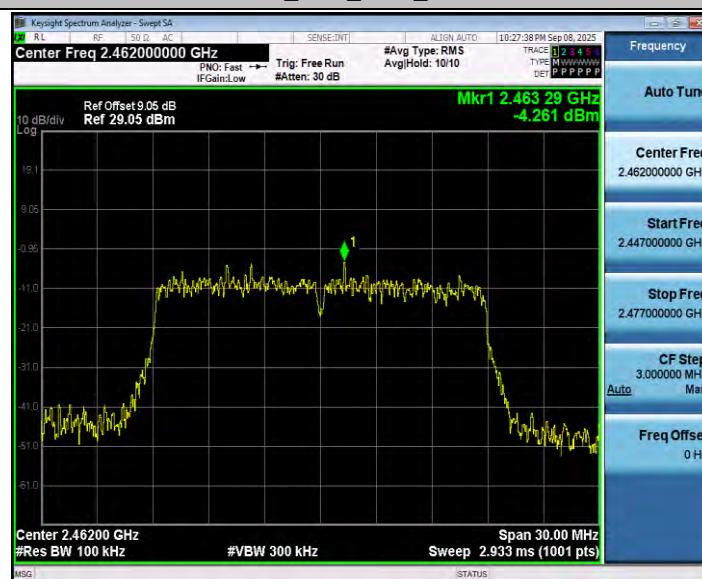
11N20SISO_Ant1_2437_30~1000

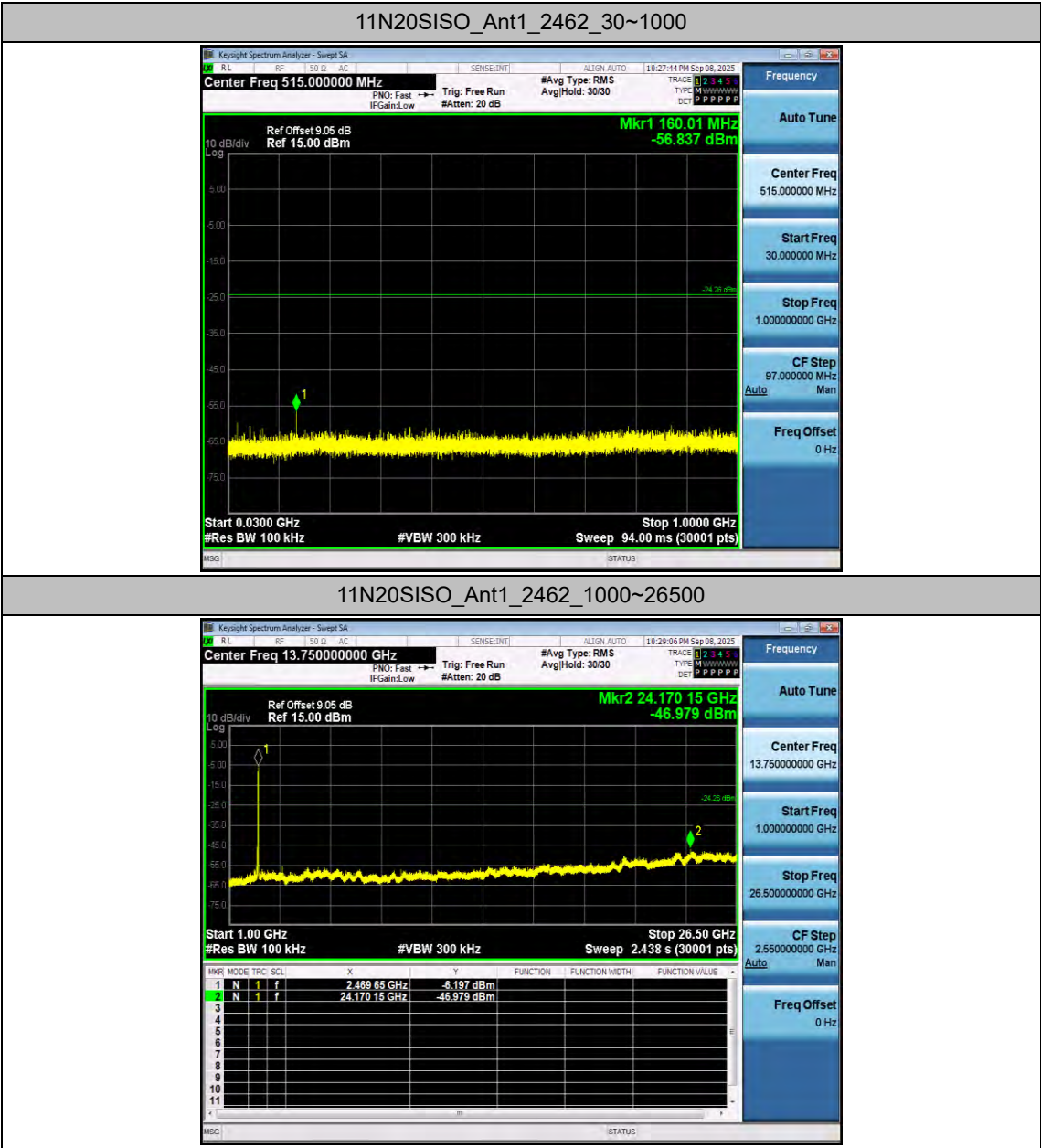


11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference





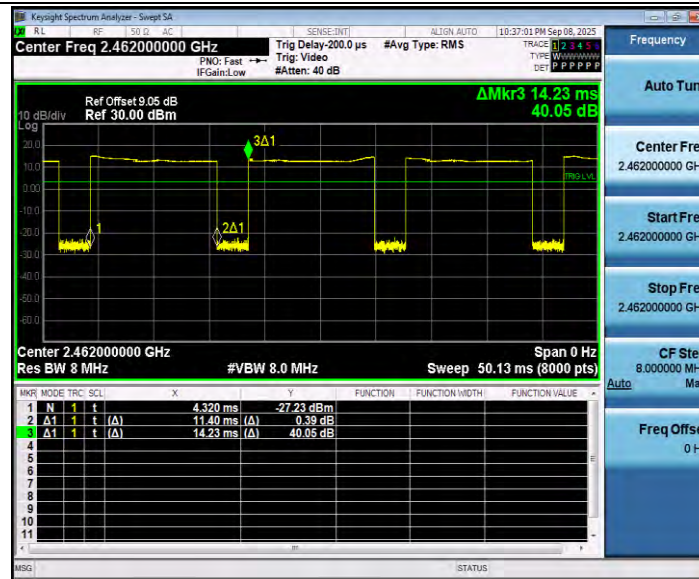
Appendix A.7: Duty Cycle

Test Result

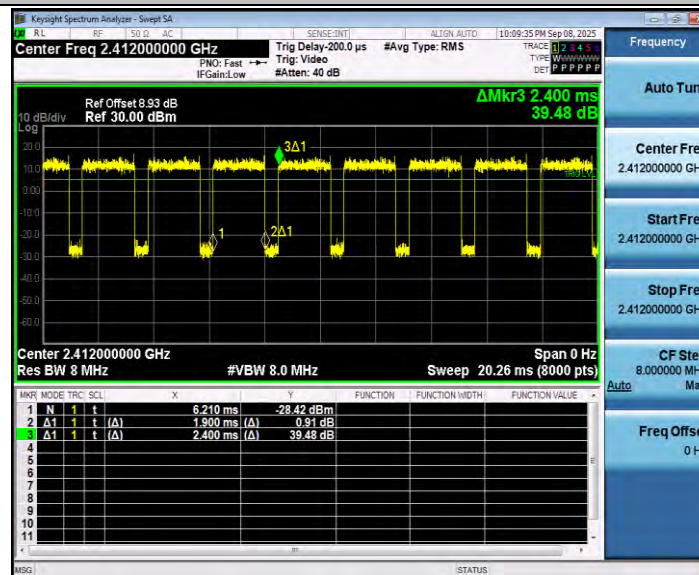
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	11.39	14.21	80.15	0.96	0.09
		2437	11.39	14.23	80.04	0.97	0.09
		2462	11.40	14.23	80.11	0.96	0.09
11G	Ant1	2412	1.90	2.40	79.17	1.01	0.53
		2437	1.89	2.39	79.08	1.02	0.53
		2462	1.89	2.39	79.08	1.02	0.53
11N20SISO	Ant1	2412	1.77	2.23	79.37	1.00	0.56
		2437	1.76	2.22	79.28	1.01	0.57
		2462	1.76	2.22	79.28	1.01	0.57

Test Graphs

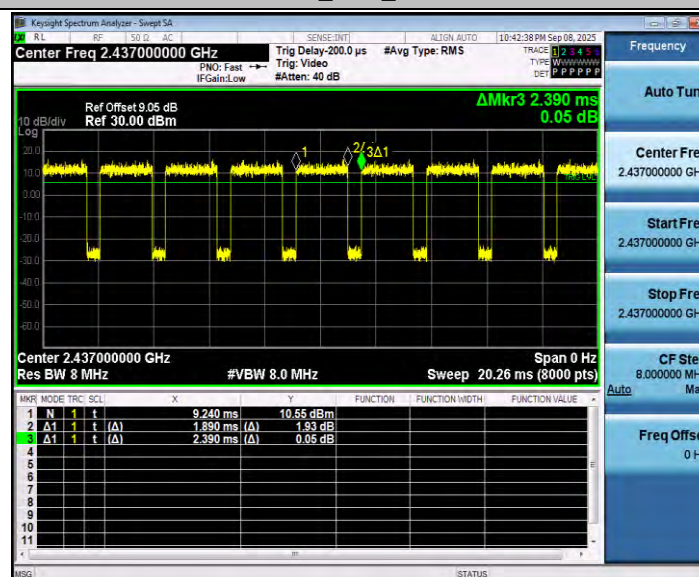




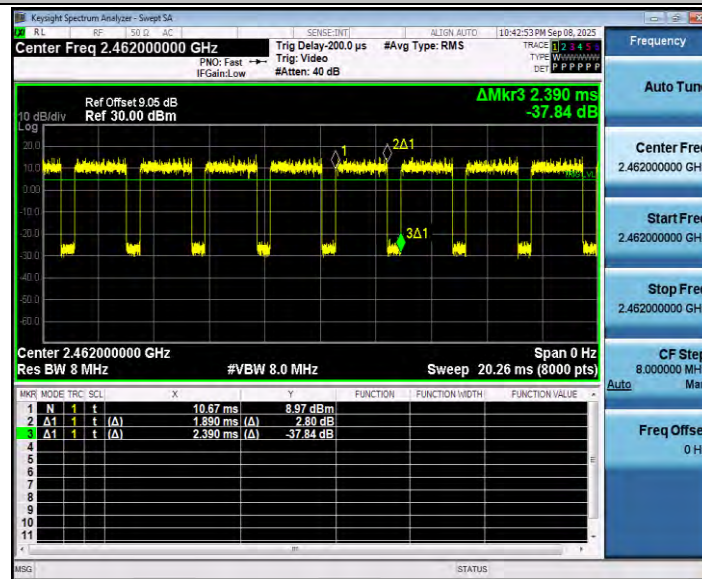
11G_Ant1_2412



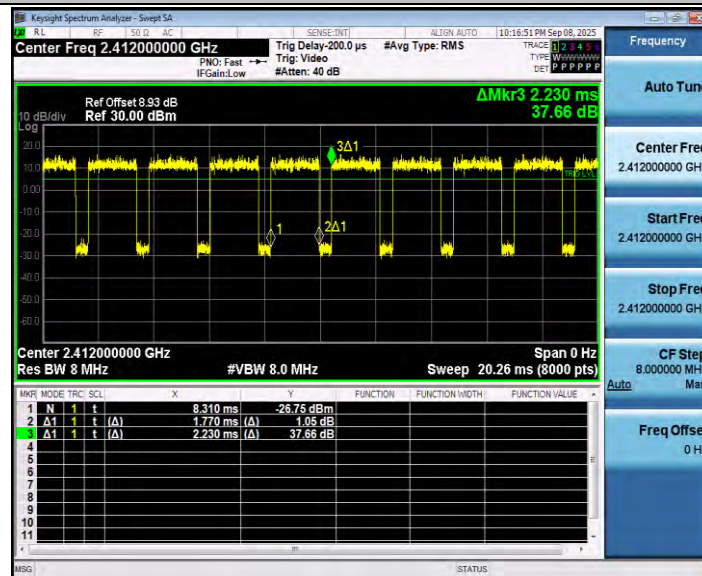
11G_Ant1_2437



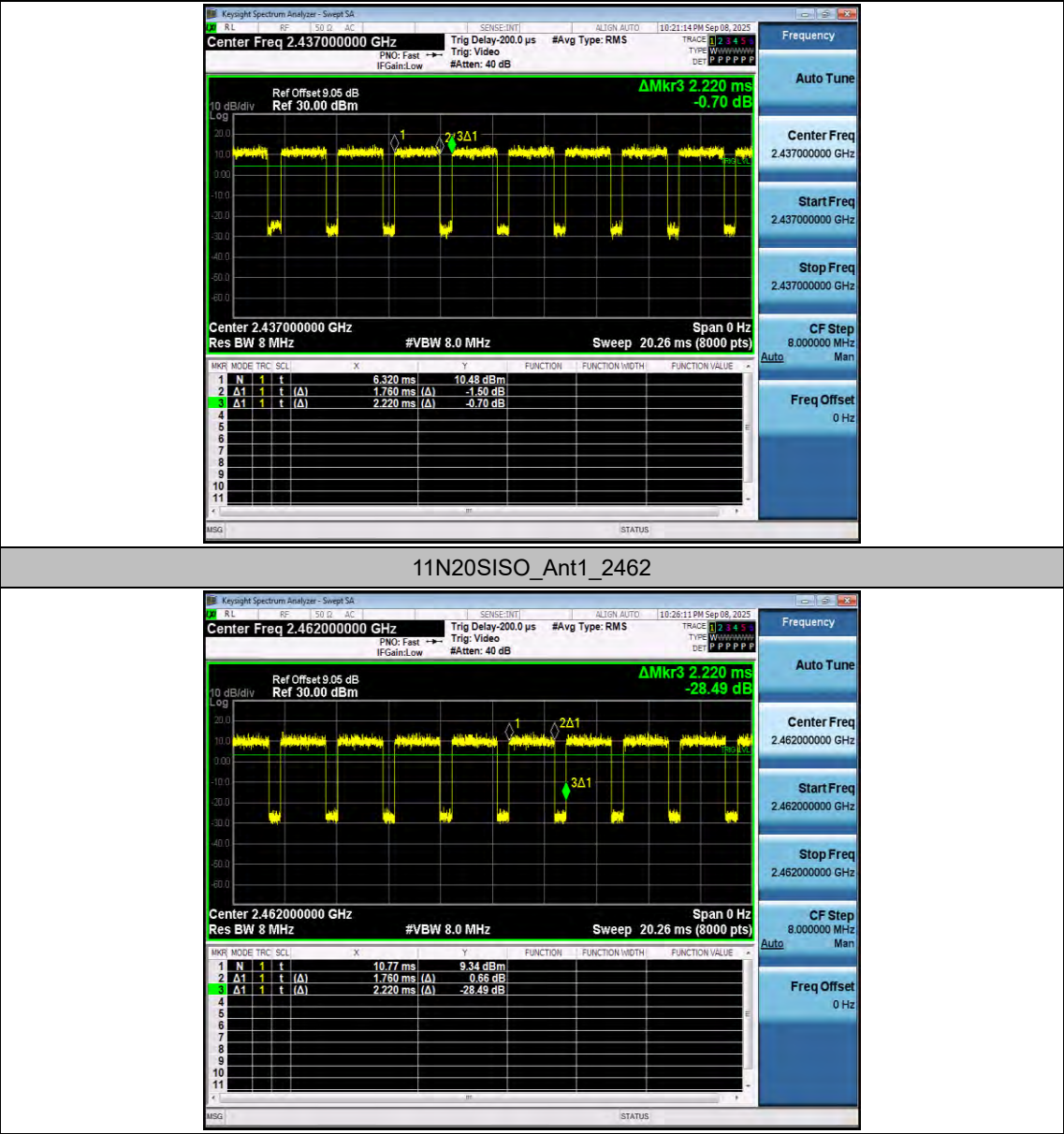
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



Appendix A.8: Emissions in Restricted Bands

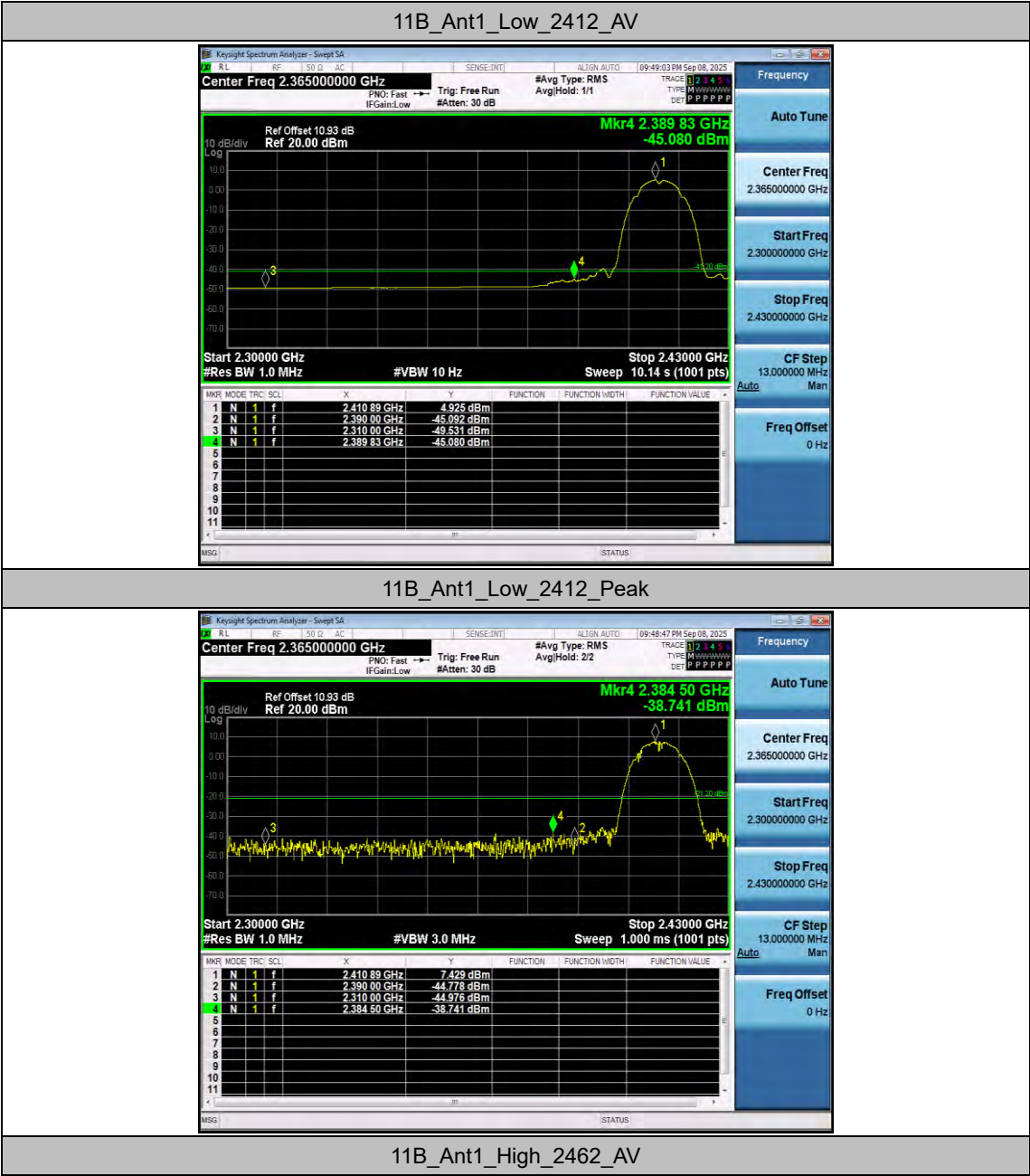
Test Result

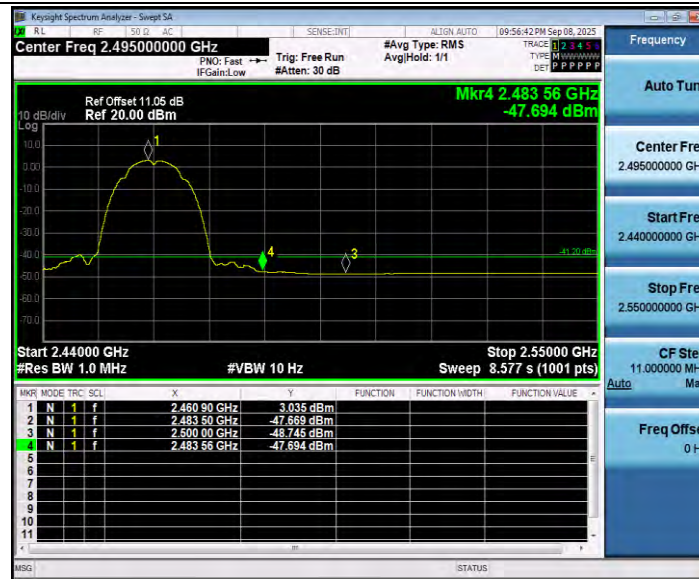
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.53	≤-41.20	45.67	≤54	PASS
				AV	2389.830	-45.08	≤-41.20	50.12	≤54	PASS
				AV	2390.000	-45.09	≤-41.20	50.11	≤54	PASS
				Peak	2310.000	-44.98	≤-21.20	50.22	≤74	PASS
				Peak	2384.500	-38.74	≤-21.20	56.46	≤74	PASS
				Peak	2390.000	-44.78	≤-21.20	50.42	≤74	PASS
		High	2462	AV	2483.500	-47.67	≤-41.20	47.53	≤54	PASS
				AV	2483.560	-47.69	≤-41.20	47.51	≤54	PASS
				AV	2500.000	-48.75	≤-41.20	46.45	≤54	PASS
				Peak	2483.500	-50.62	≤-21.20	44.58	≤74	PASS
				Peak	2494.450	-40.32	≤-21.20	54.88	≤74	PASS
				Peak	2500.000	-45.42	≤-21.20	49.78	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.67	≤-41.20	45.53	≤54	PASS
				AV	2389.960	-45.09	≤-41.20	50.11	≤54	PASS
				AV	2390.000	-45.09	≤-41.20	50.11	≤54	PASS
				Peak	2310.000	-51.18	≤-21.20	44.02	≤74	PASS
				Peak	2389.700	-37.79	≤-21.20	57.41	≤74	PASS
				Peak	2390.000	-46.73	≤-21.20	48.47	≤74	PASS
		High	2462	AV	2483.500	-47.48	≤-41.20	47.72	≤54	PASS
				AV	2483.560	-47.48	≤-41.20	47.72	≤54	PASS
				AV	2500.000	-48.8	≤-41.20	46.40	≤54	PASS
				Peak	2483.500	-42.91	≤-21.20	52.29	≤74	PASS
				Peak	2491.150	-39.73	≤-21.20	55.47	≤74	PASS
				Peak	2500.000	-44.64	≤-21.20	50.56	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.64	≤-41.20	45.56	≤54	PASS
				AV	2389.830	-44.25	≤-41.20	50.95	≤54	PASS
				AV	2390.000	-44.35	≤-41.20	50.85	≤54	PASS
				Peak	2310.000	-48.78	≤-21.20	46.42	≤74	PASS
				Peak	2389.700	-33.24	≤-21.20	61.96	≤74	PASS
				Peak	2390.000	-38.37	≤-21.20	56.83	≤74	PASS
		High	2462	AV	2483.500	-47.03	≤-41.20	48.17	≤54	PASS
				AV	2483.560	-47.11	≤-41.20	48.09	≤54	PASS
				AV	2500.000	-48.79	≤-41.20	46.41	≤54	PASS
				Peak	2483.500	-44.67	≤-21.20	50.53	≤74	PASS
				Peak	2485.540	-40.39	≤-21.20	54.81	≤74	PASS
				Peak	2500.000	-46.51	≤-21.20	48.69	≤74	PASS

Note:

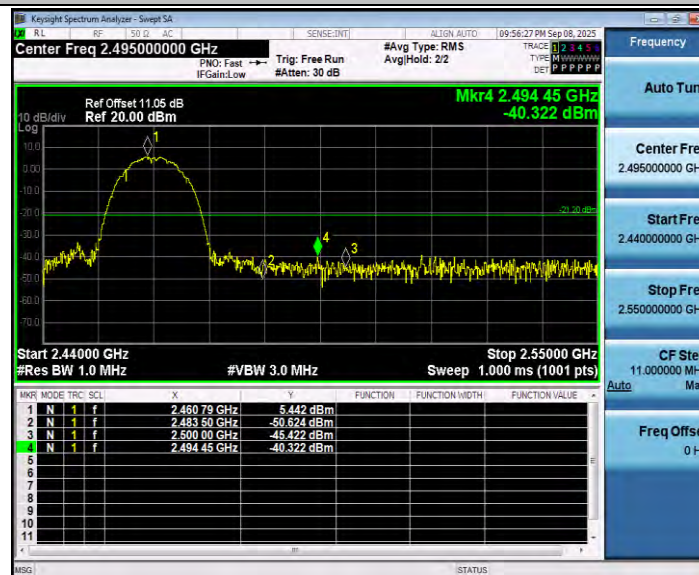
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





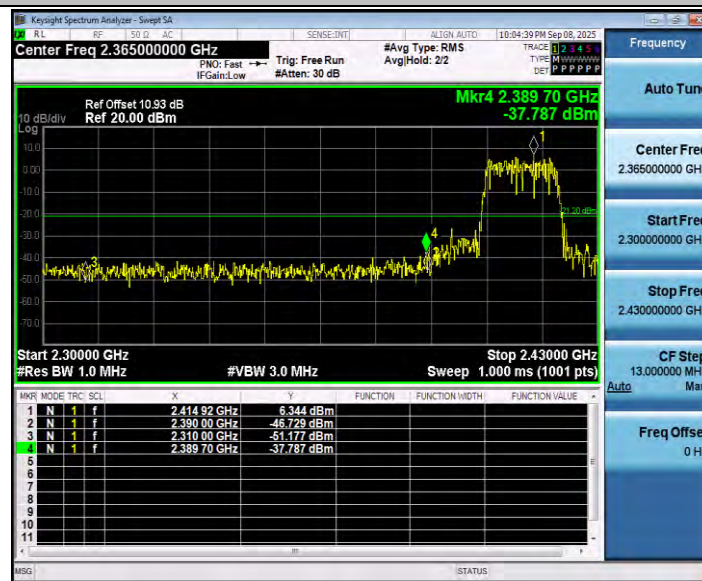
11B_Ant1_High_2462_Peak



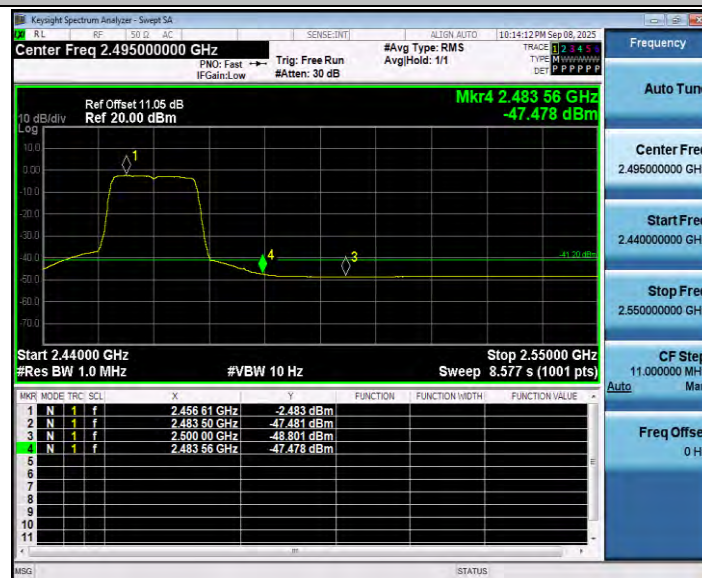
11G_Ant1_Low_2412_AV



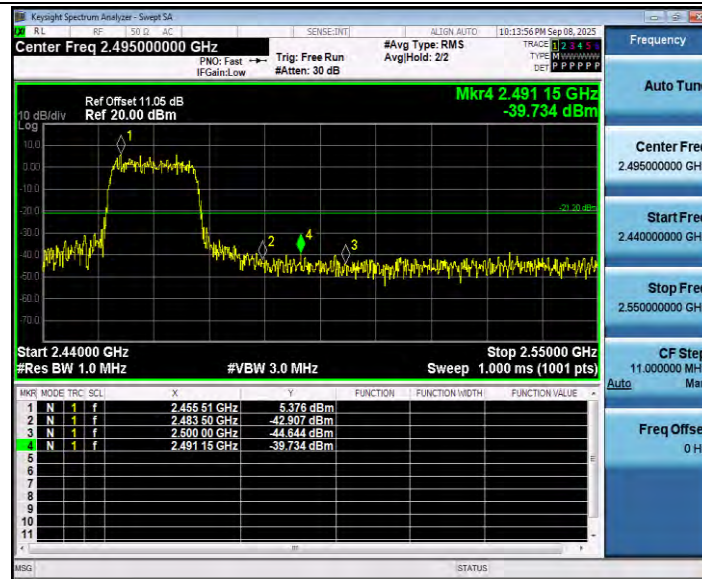
11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV



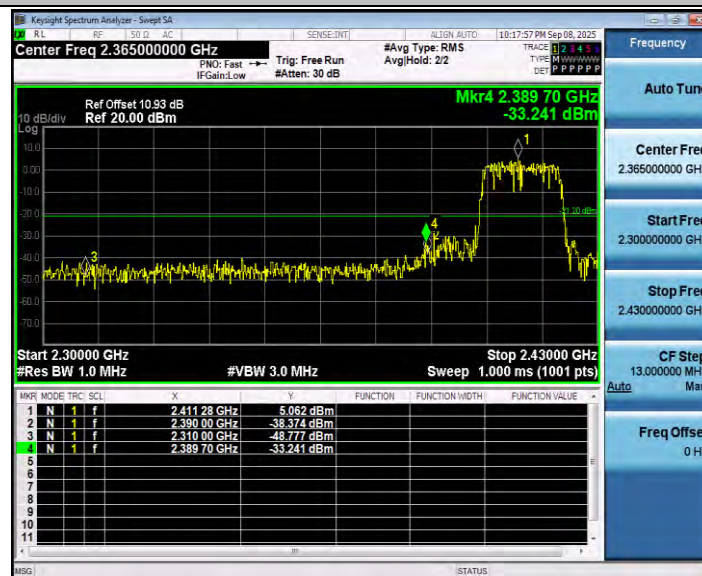
11G_Ant1_High_2462_Peak



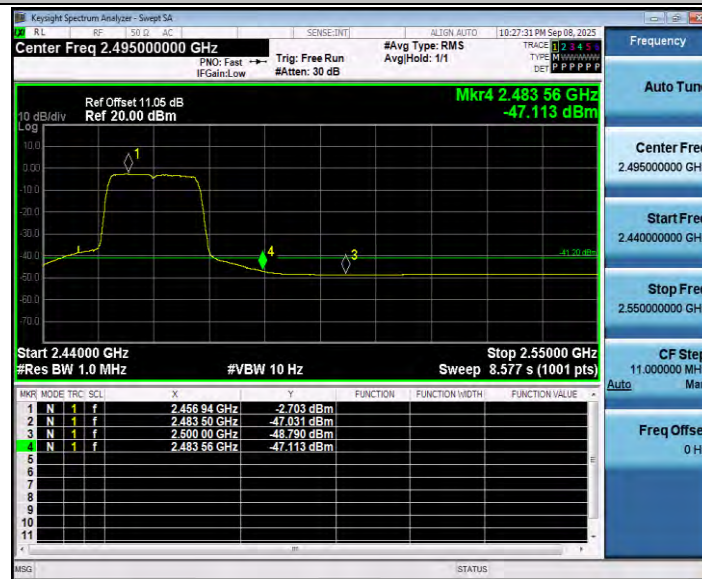
11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak

