

Case No. : <u>GTS20260920002-1-02</u>
Ambient Condition: <u>25°C, 49%RH,</u>
Test Date: <u>2026.9.20-2026.10.08</u> Test Engineer: <u>Evan ouyang</u>

AppendixB.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.480	2406.880	2417.360	0.5	PASS
		2437	10.440	2431.880	2442.320	0.5	PASS
		2462	10.440	2456.880	2467.320	0.5	PASS
11G	Ant1	2412	16.080	2404.160	2420.240	0.5	PASS
		2437	16.080	2429.080	2445.160	0.5	PASS
		2462	16.160	2454.080	2470.240	0.5	PASS
11N20SISO	Ant1	2412	16.160	2404.080	2420.240	0.5	PASS
		2437	16.200	2429.000	2445.200	0.5	PASS
		2462	16.200	2454.040	2470.240	0.5	PASS

Test Graphs

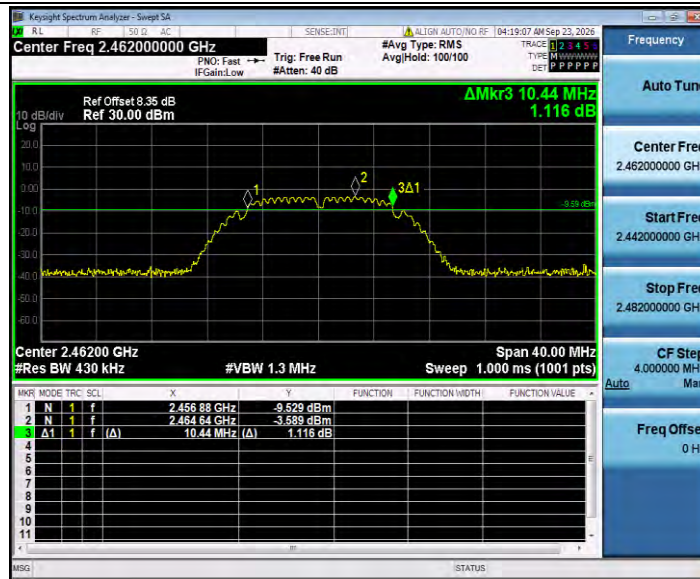
11B_Ant1_2412



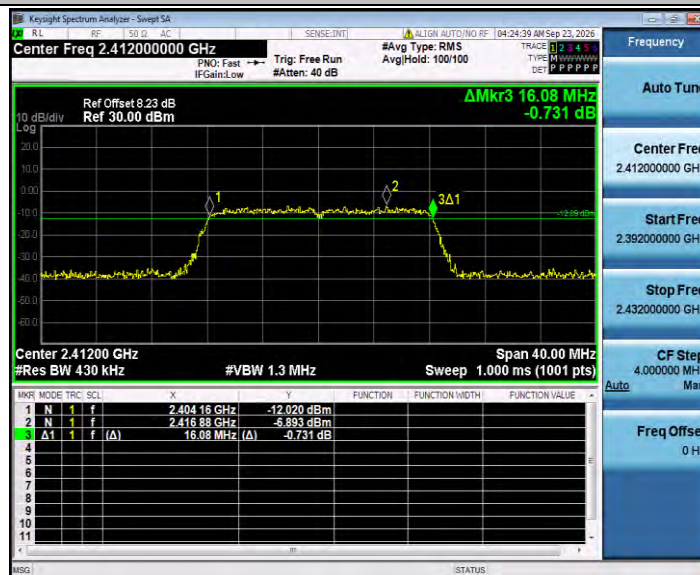
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



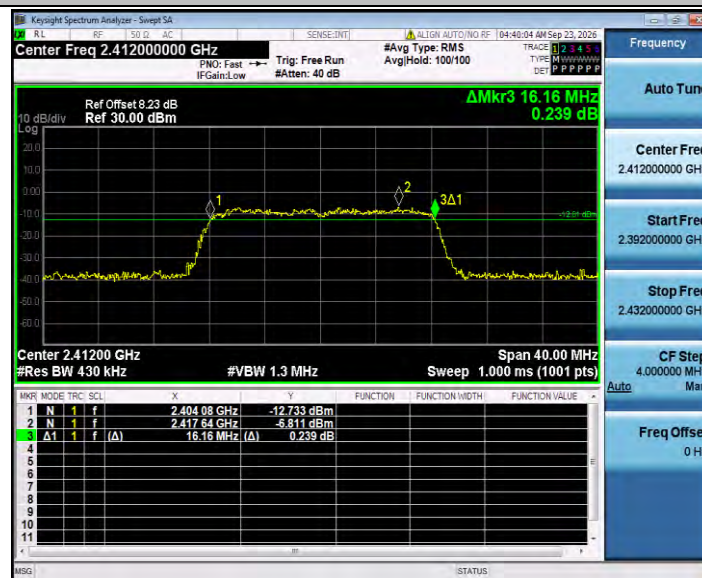
11G_Ant1_2437



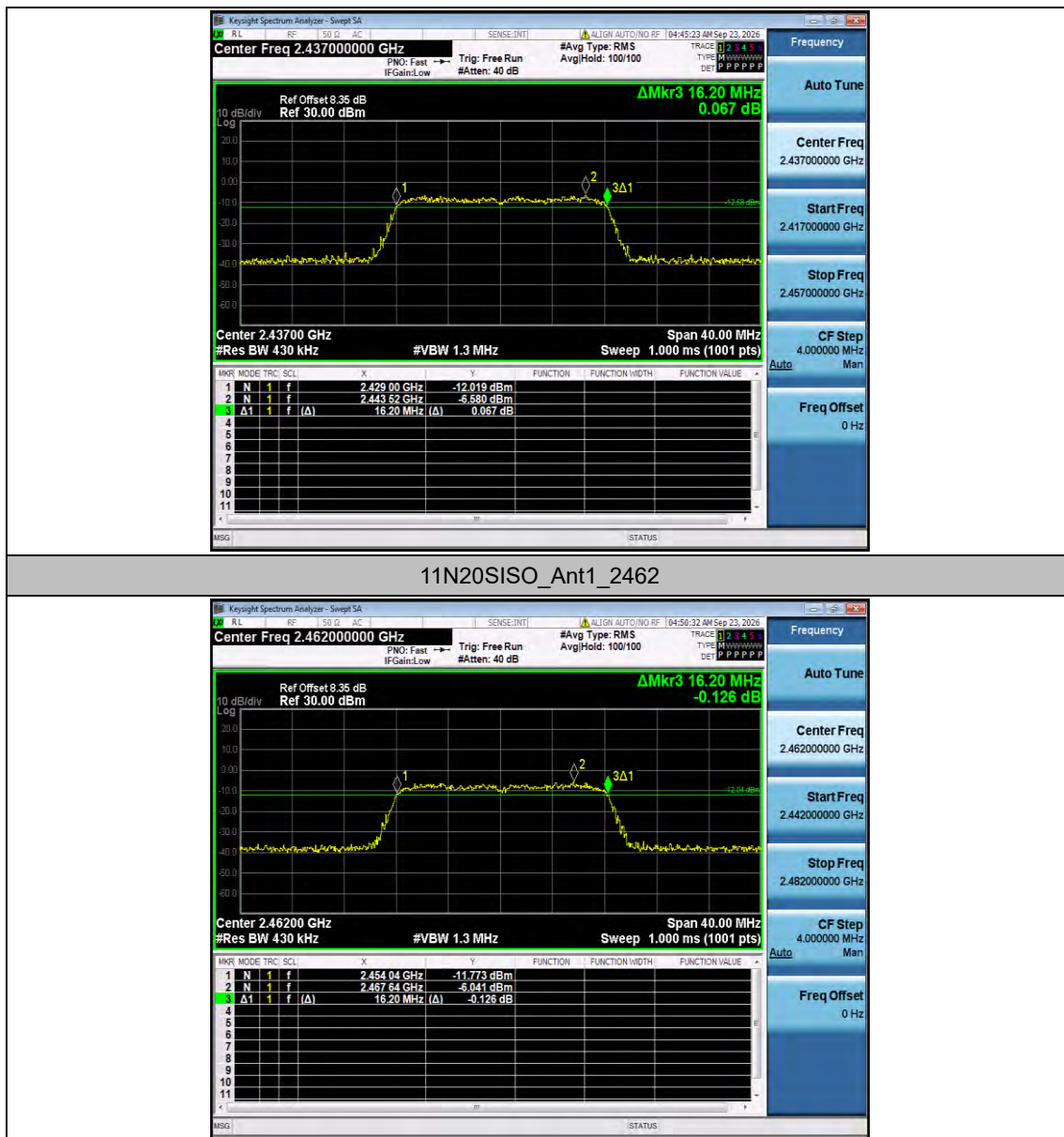
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

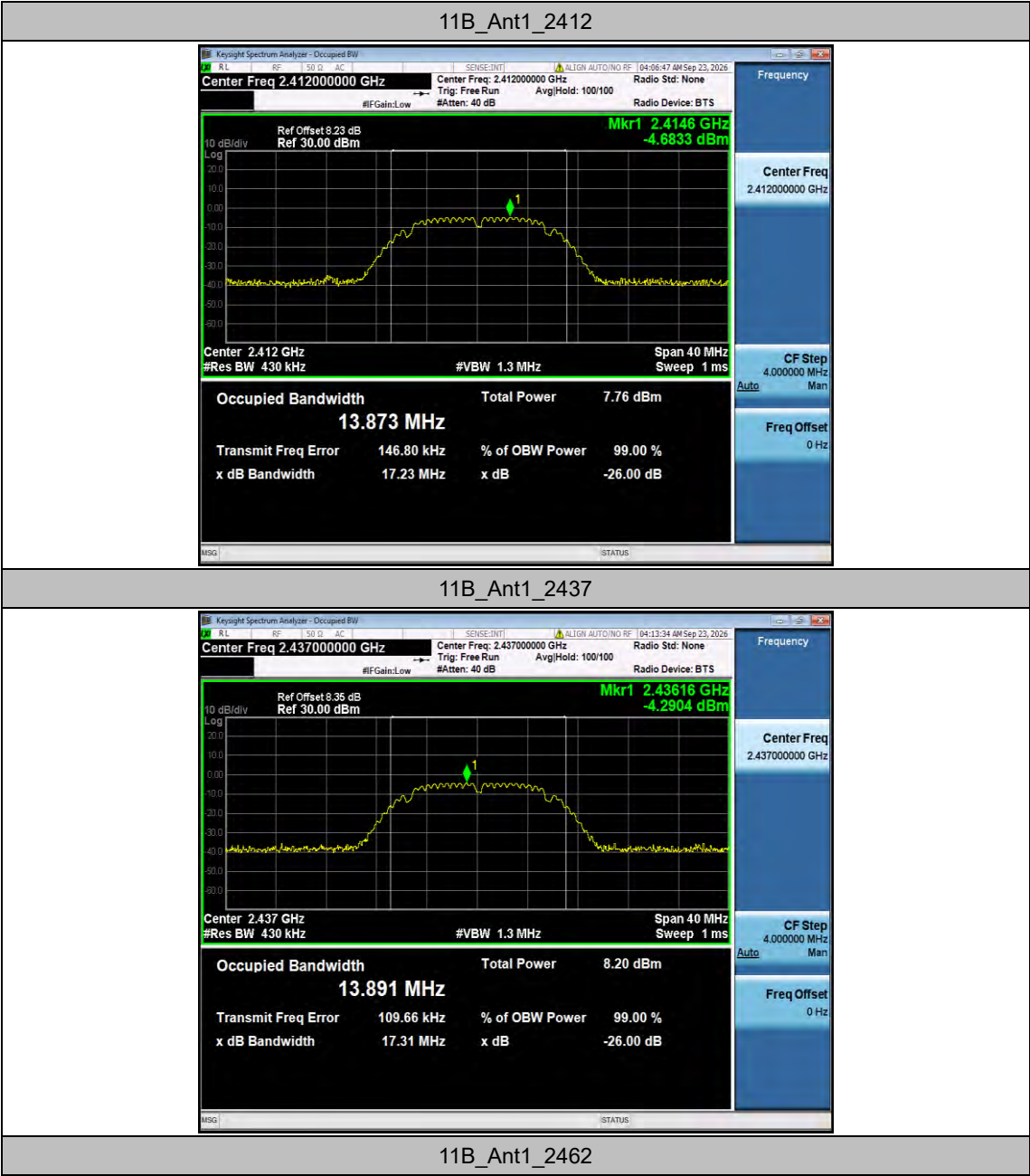


AppendixB.2: Occupied Channel Bandwidth

Test Result

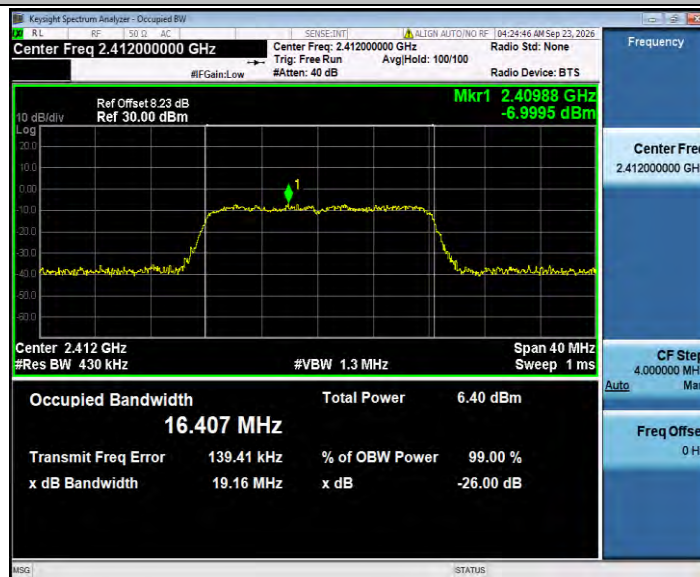
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.873	2405.2103	2419.0833	---	---
		2437	13.891	2430.1642	2444.0552	---	---
		2462	13.822	2455.2175	2469.0395	---	---
11G	Ant1	2412	16.407	2403.9359	2420.3429	---	---
		2437	16.528	2428.8648	2445.3928	---	---
		2462	16.403	2453.9249	2470.3279	---	---
11N20SISO	Ant1	2412	16.513	2403.8535	2420.3665	---	---
		2437	16.564	2428.7995	2445.3635	---	---
		2462	16.464	2453.8715	2470.3355	---	---

Test Graphs

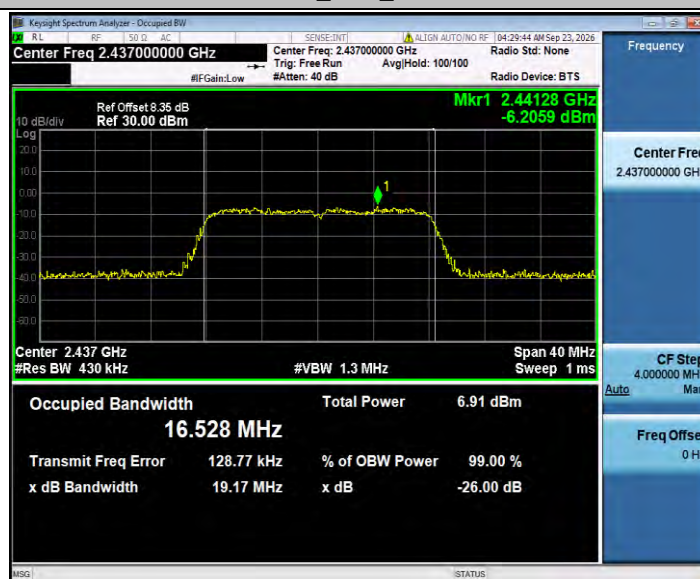




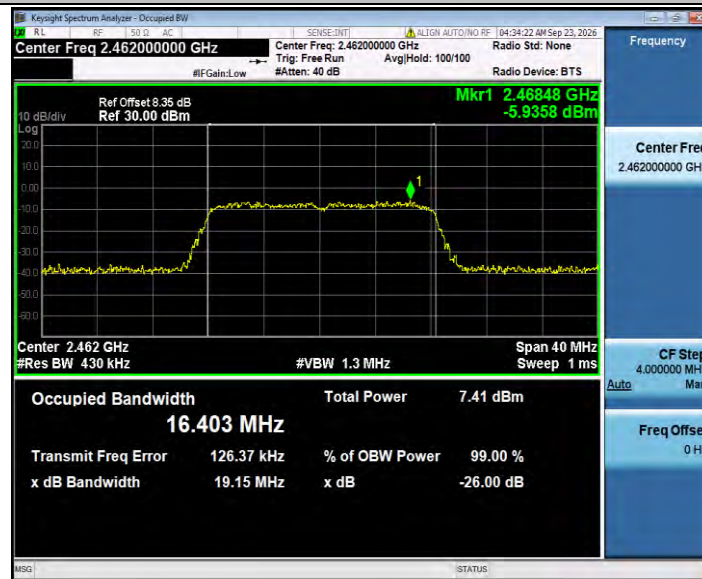
11G_Ant1_2412



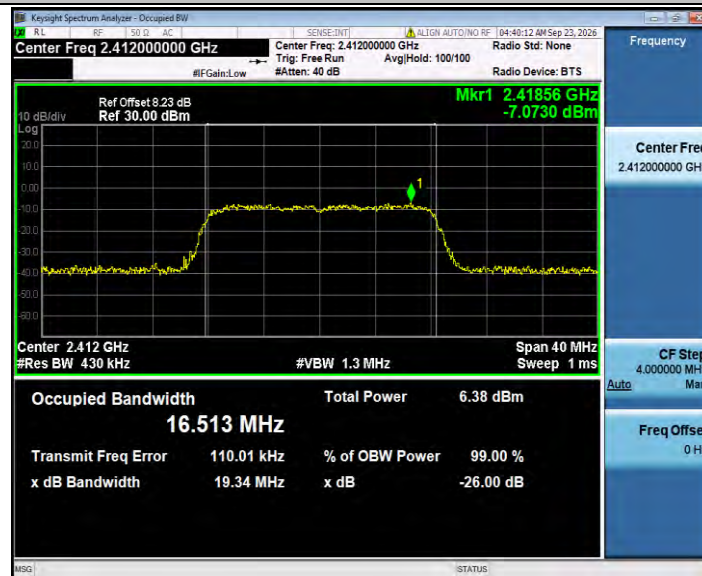
11G_Ant1_2437



11G_Ant1_2462



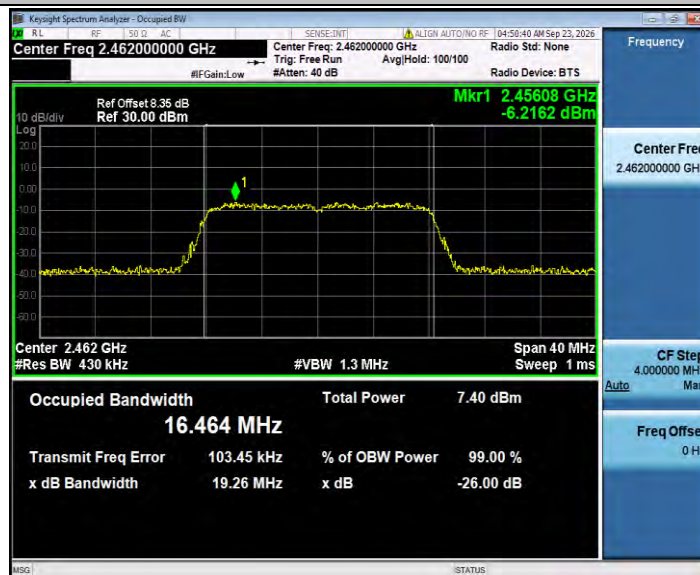
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



AppendixB.3: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	7.83	≤30.00	PASS
		2437	8.26	≤30.00	PASS
		2462	8.85	≤30.00	PASS
11G	Ant1	2412	7.55	≤30.00	PASS
		2437	8.01	≤30.00	PASS
		2462	8.50	≤30.00	PASS
11N20SISO	Ant1	2412	7.49	≤30.00	PASS
		2437	8.02	≤30.00	PASS
		2462	8.55	≤30.00	PASS

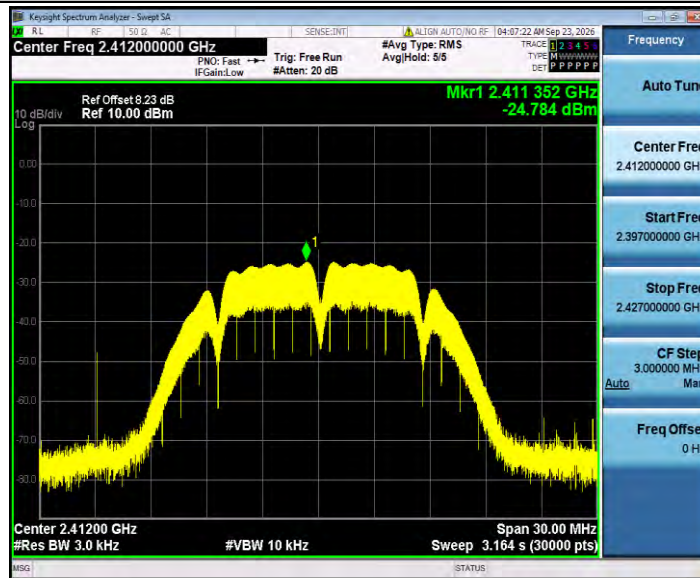
AppendixB.4: Maximum power spectral density

Test Result

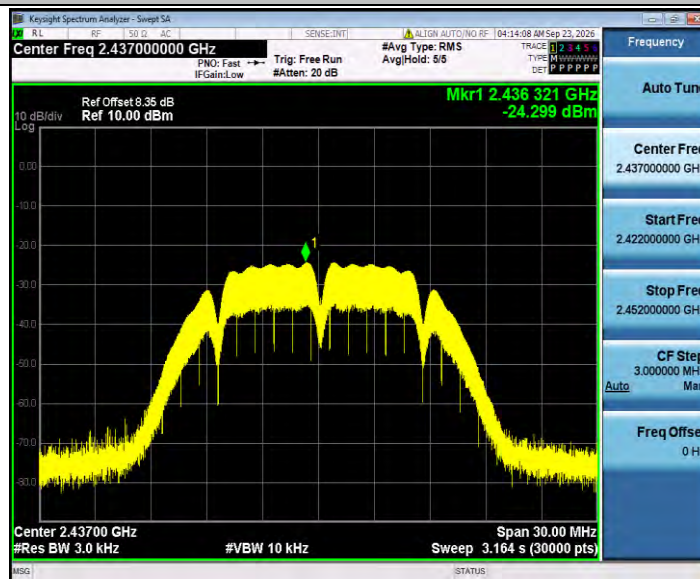
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-24.78	≤8.00	PASS
		2437	-24.30	≤8.00	PASS
		2462	-23.71	≤8.00	PASS
11G	Ant1	2412	-27.72	≤8.00	PASS
		2437	-27.04	≤8.00	PASS
		2462	-26.48	≤8.00	PASS
11N20SISO	Ant1	2412	-27.54	≤8.00	PASS
		2437	-27.28	≤8.00	PASS
		2462	-26.53	≤8.00	PASS

Test Graphs

11B_Ant1_2412



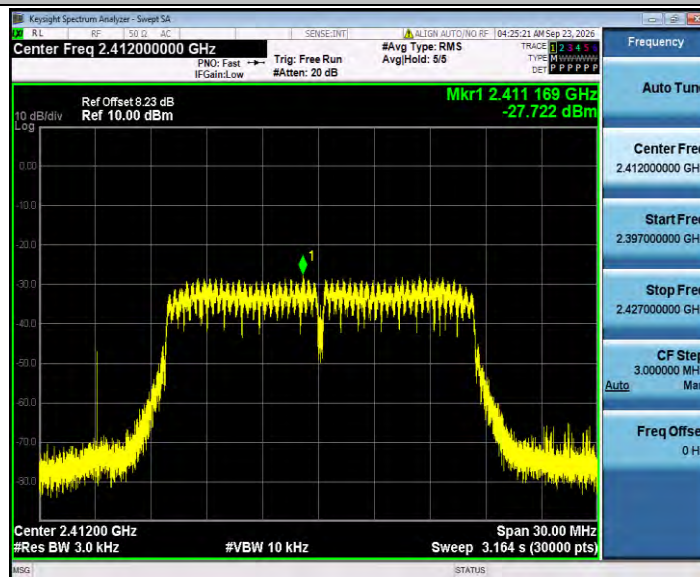
11B_Ant1_2437



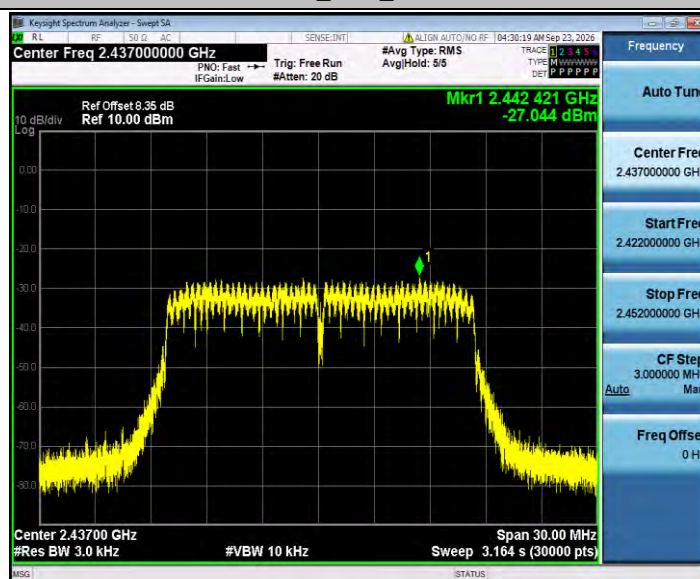
11B_Ant1_2462



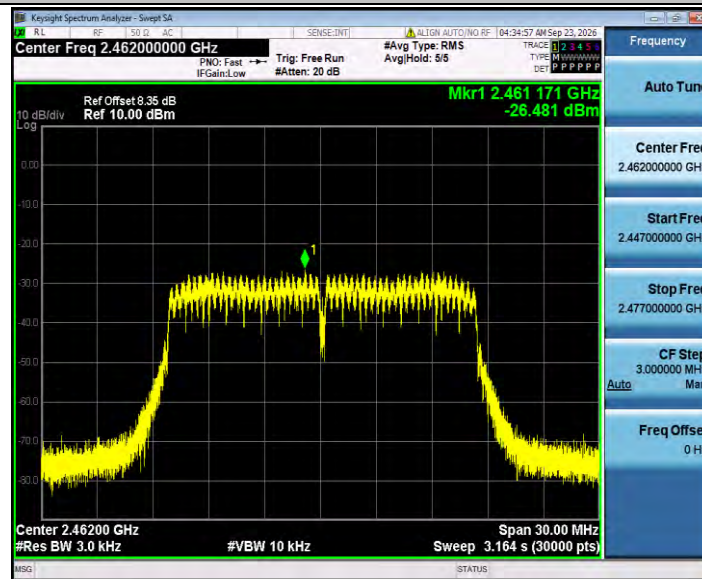
11G_Ant1_2412



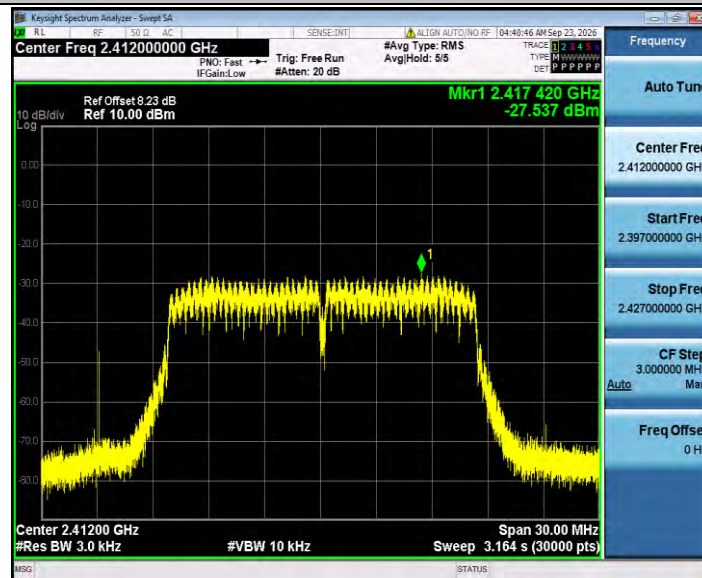
11G_Ant1_2437



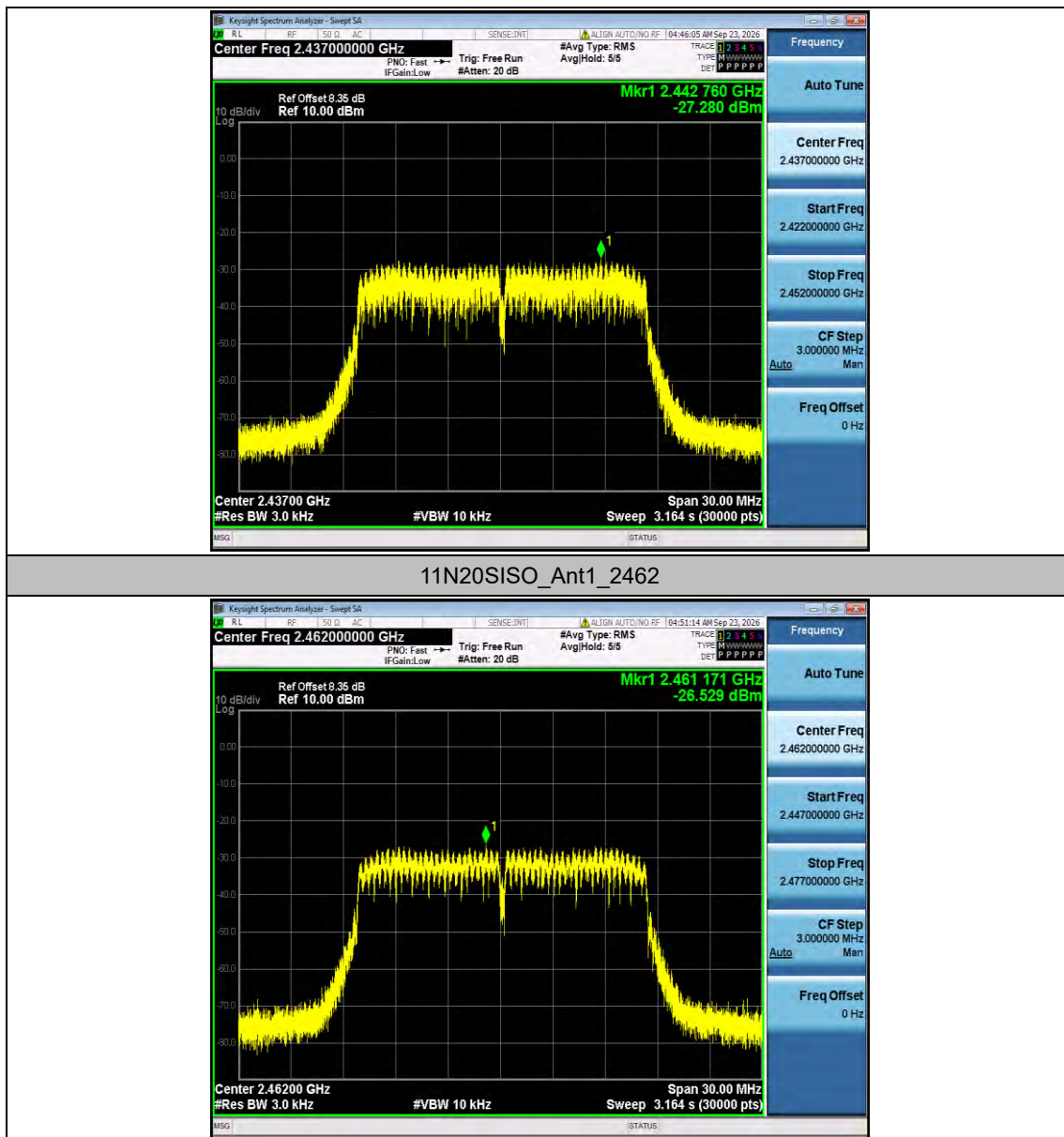
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



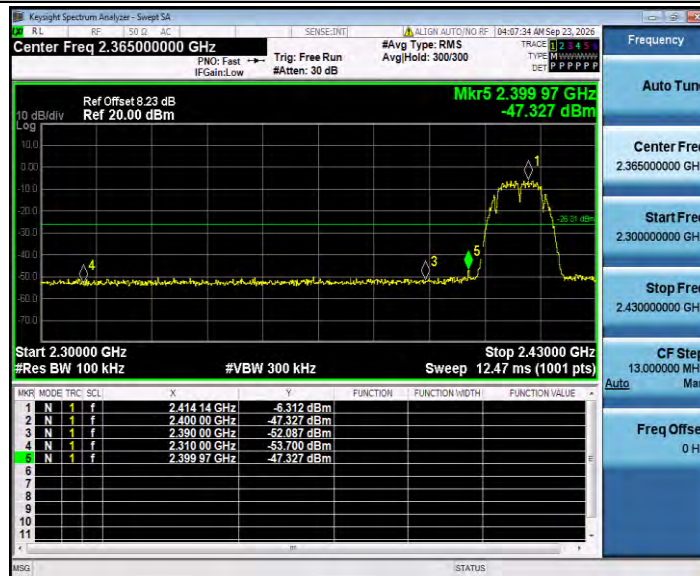
Appendix B.5: Band edge measurements

Test Result

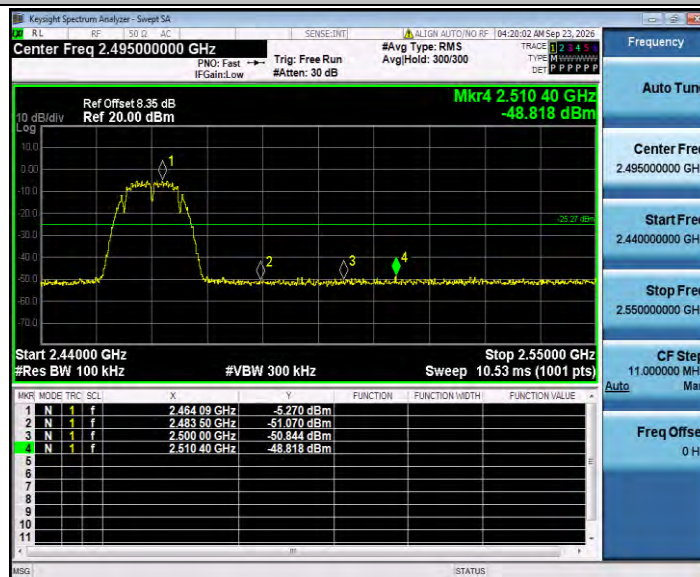
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-6.31	-47.33	≤ -26.31	PASS
		High	2462	-5.27	-48.82	≤ -25.27	PASS
11G	Ant1	Low	2412	-13.70	-47.62	≤ -33.7	PASS
		High	2462	-12.69	-47.69	≤ -32.69	PASS
11N20SISO	Ant1	Low	2412	-13.50	-46.98	≤ -33.5	PASS
		High	2462	-12.57	-49.31	≤ -32.57	PASS

Test Graphs

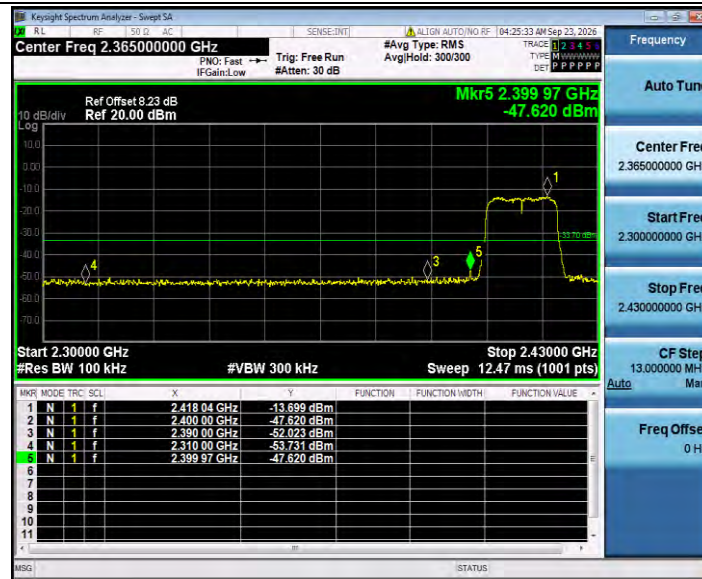
11B_Ant1_Low_2412



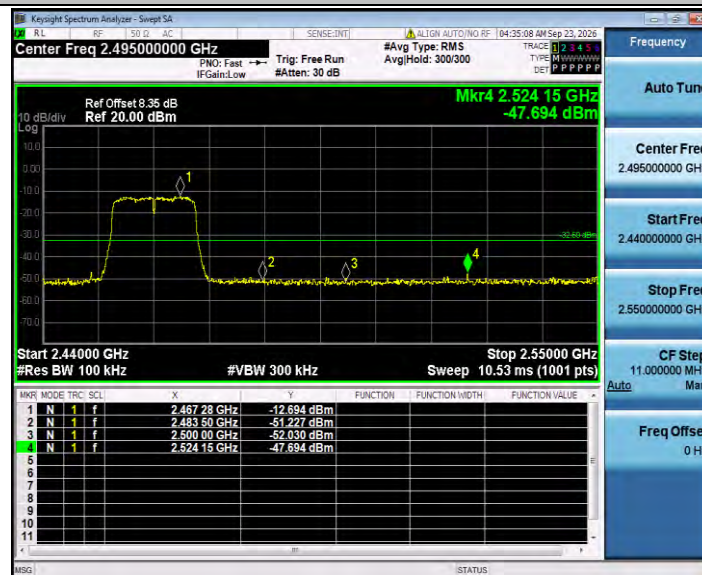
11B_Ant1_High_2462



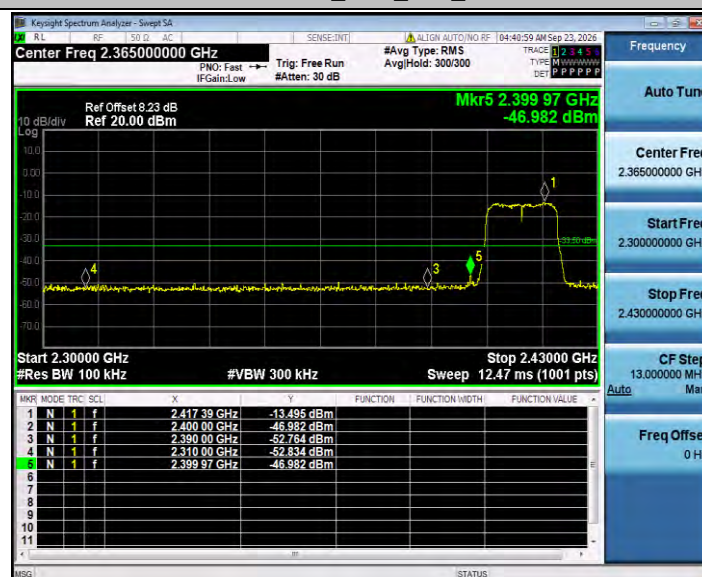
11G_Ant1_Low_2412

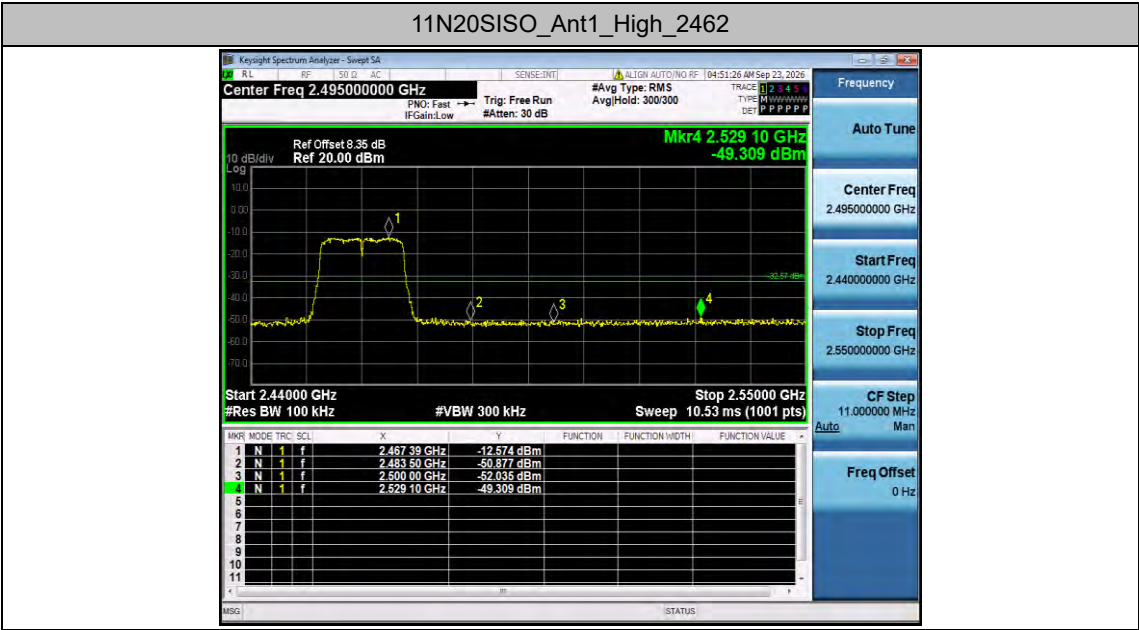


11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



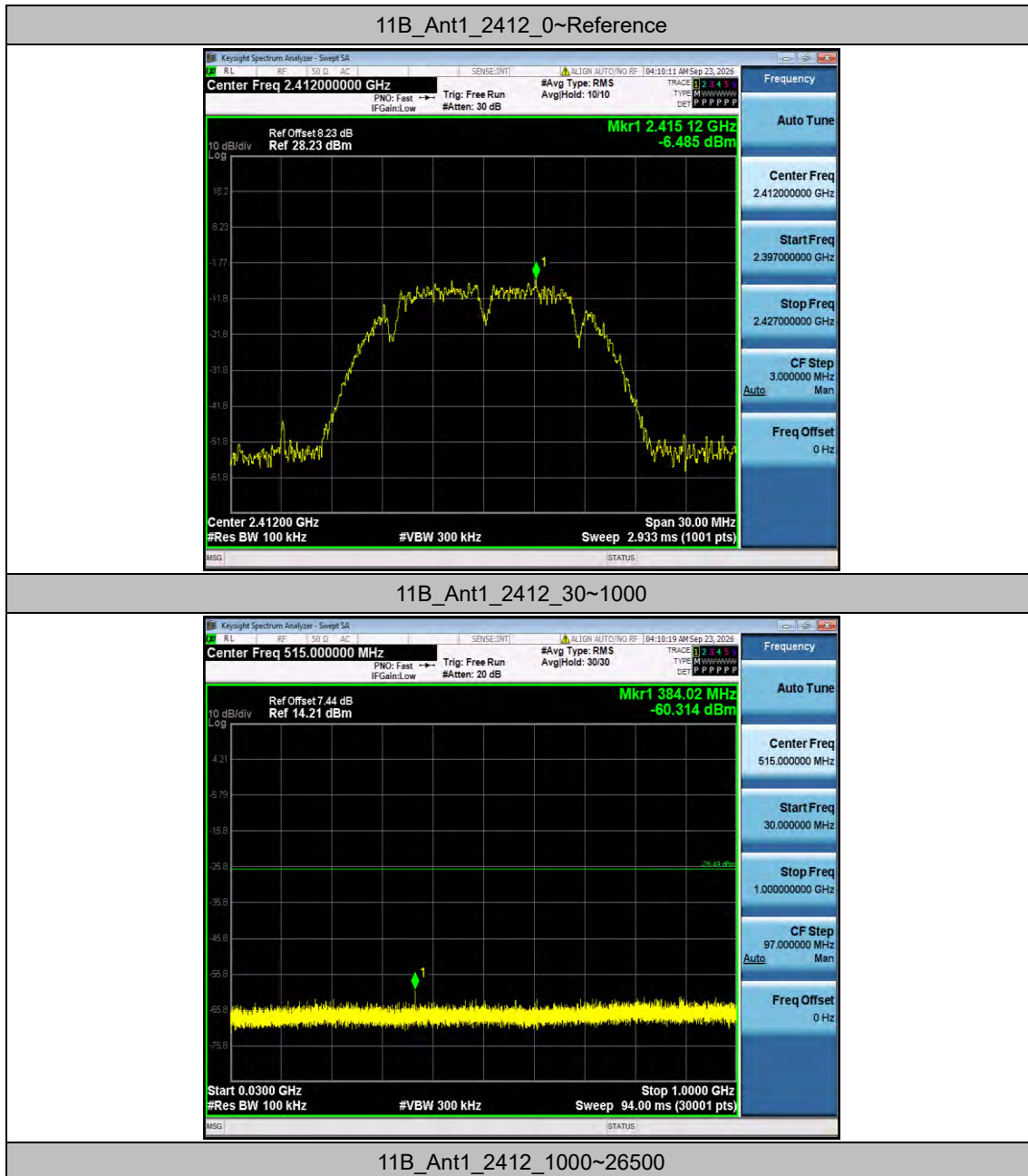


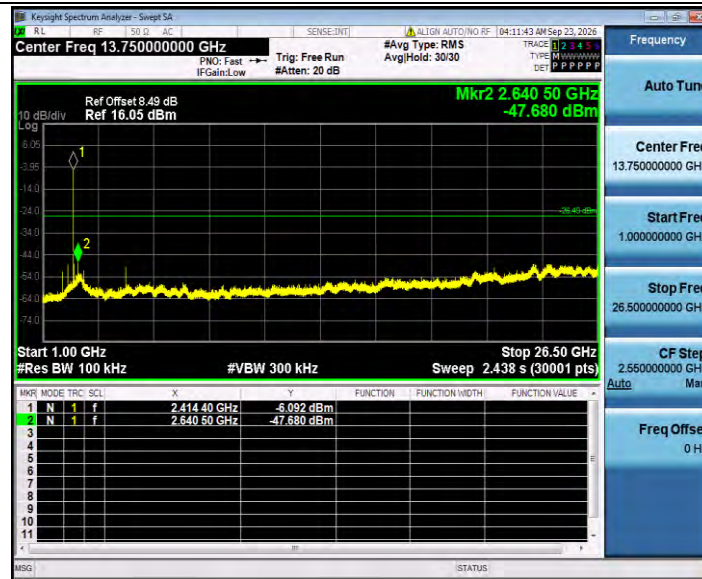
Appendix B.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-6.49	-6.49	---	PASS
			30~1000	-6.49	-60.31	≤ -26.49	PASS
			1000~26500	-6.49	-47.68	≤ -26.49	PASS
		2437	Reference	-5.96	-5.96	---	PASS
			30~1000	-5.96	-61.26	≤ -25.96	PASS
			1000~26500	-5.96	-46.79	≤ -25.96	PASS
		2462	Reference	-5.34	-5.34	---	PASS
			30~1000	-5.34	-61.54	≤ -25.34	PASS
			1000~26500	-5.34	-47.35	≤ -25.34	PASS
11G	Ant1	2412	Reference	-14.16	-14.16	---	PASS
			30~1000	-14.16	-59.98	≤ -34.16	PASS
			1000~26500	-14.16	-47.27	≤ -34.16	PASS
		2437	Reference	-13.69	-13.69	---	PASS
			30~1000	-13.69	-59.36	≤ -33.69	PASS
			1000~26500	-13.69	-47.39	≤ -33.69	PASS
		2462	Reference	-12.88	-12.88	---	PASS
			30~1000	-12.88	-59.92	≤ -32.88	PASS
			1000~26500	-12.88	-47.1	≤ -32.88	PASS
11N20SISO	Ant1	2412	Reference	-14.19	-14.19	---	PASS
			30~1000	-14.19	-59.47	≤ -34.19	PASS
			1000~26500	-14.19	-47.15	≤ -34.19	PASS
		2437	Reference	-13.69	-13.69	---	PASS
			30~1000	-13.69	-59.89	≤ -33.69	PASS
			1000~26500	-13.69	-46.92	≤ -33.69	PASS
		2462	Reference	-12.95	-12.95	---	PASS
			30~1000	-12.95	-61.03	≤ -32.95	PASS
			1000~26500	-12.95	-46.05	≤ -32.95	PASS

Test Graphs

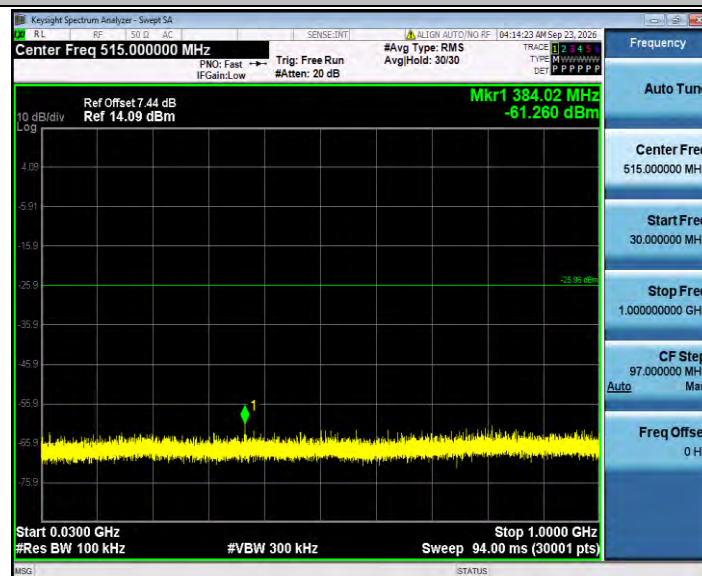




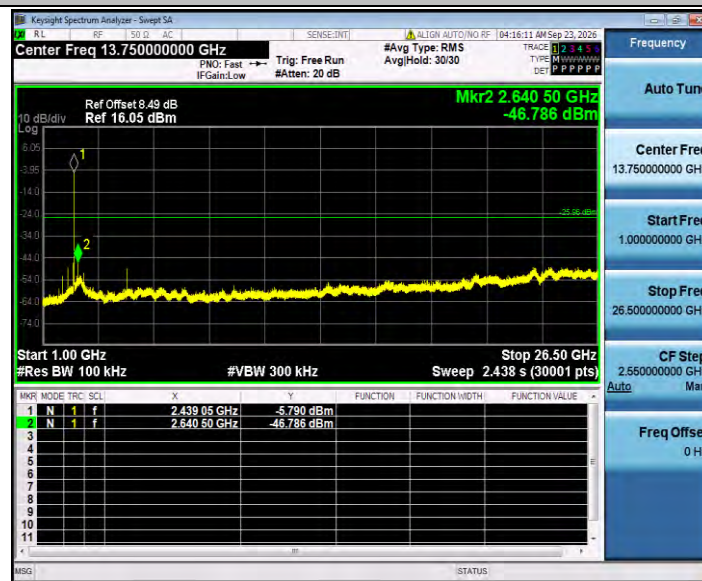
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



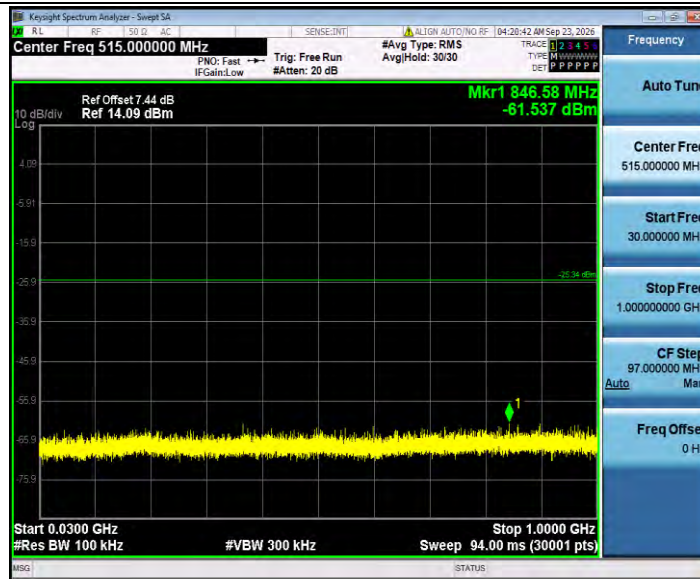
11B_Ant1_2437_1000~26500



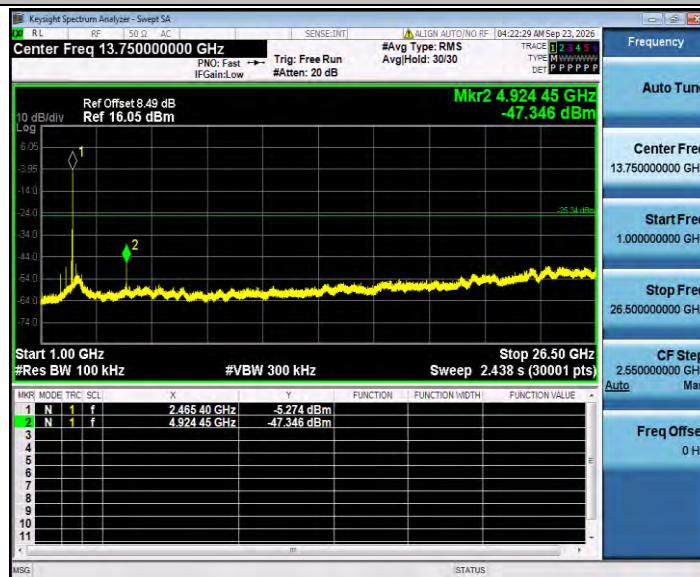
11B_Ant1_2462_0~Reference



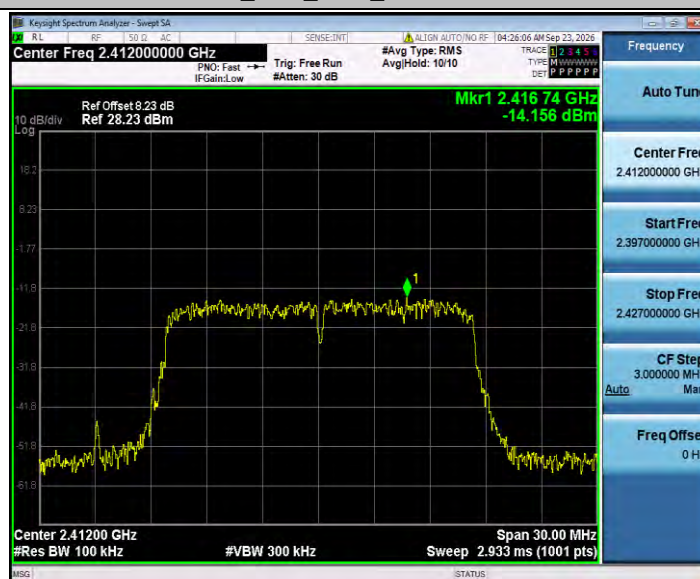
11B_Ant1_2462_30~1000



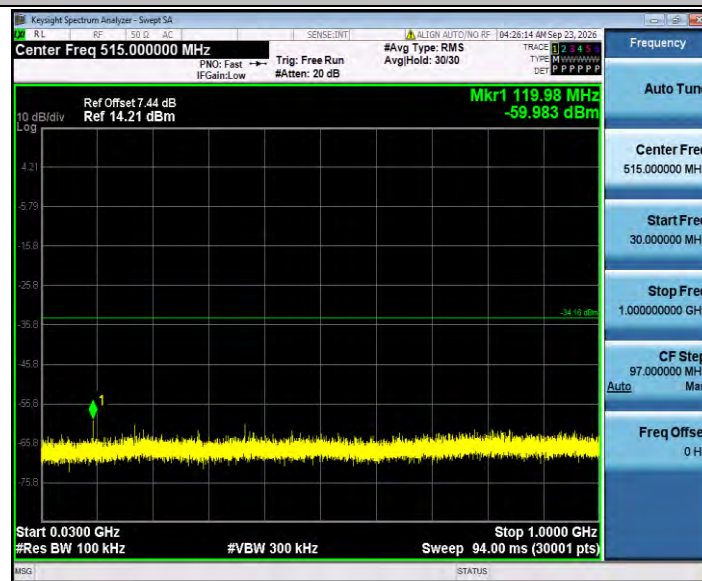
11B_Ant1_2462_1000~26500



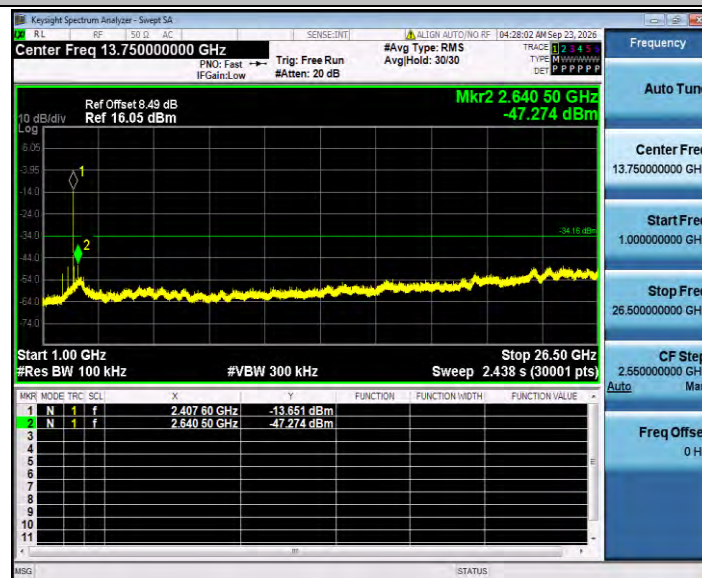
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



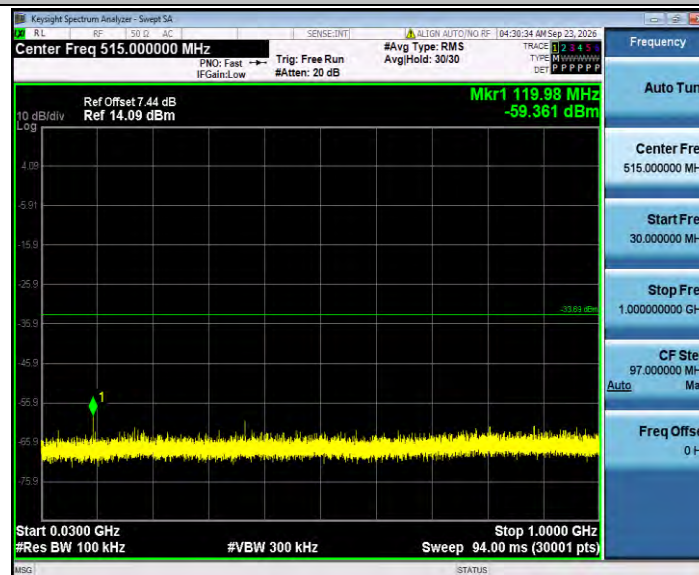
11G_Ant1_2412_1000~26500



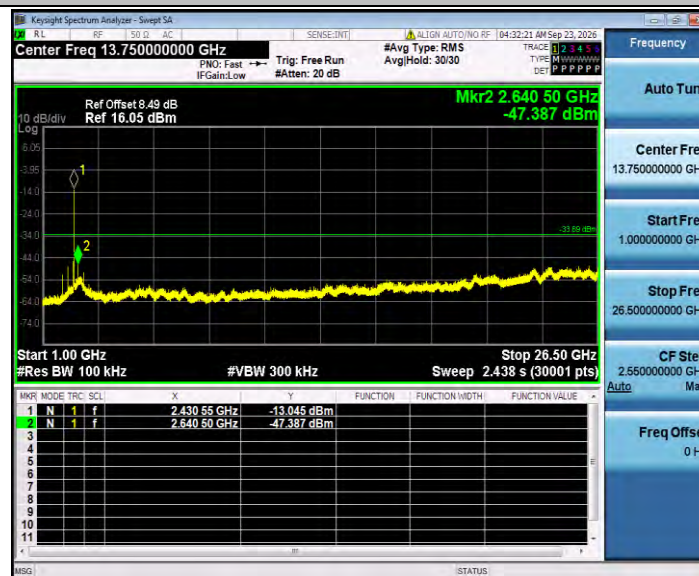
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



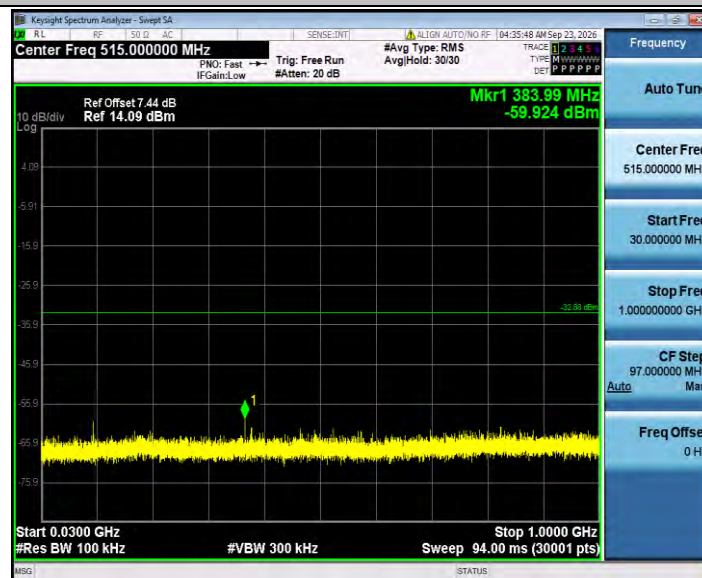
11G_Ant1_2437_1000~26500



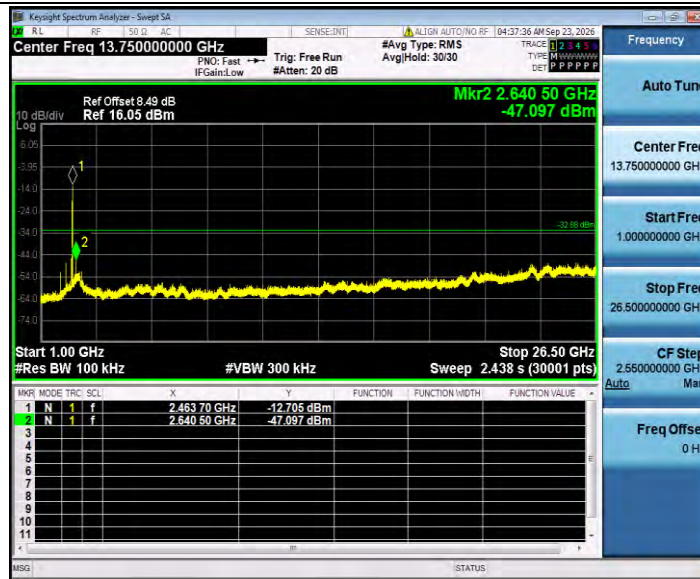
11G_Ant1_2462_0~Reference



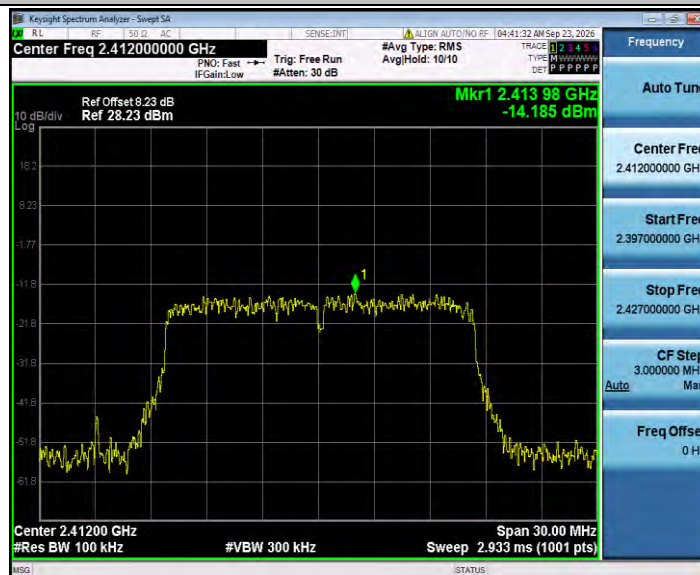
11G_Ant1_2462_30~1000



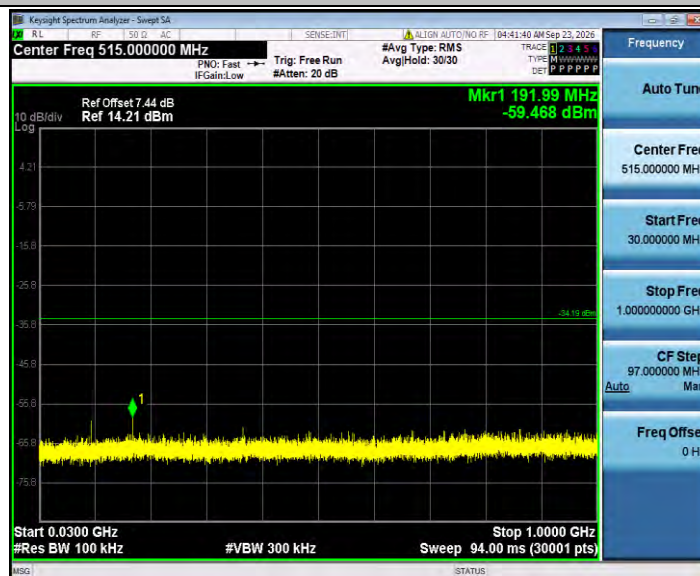
11G_Ant1_2462_1000~26500



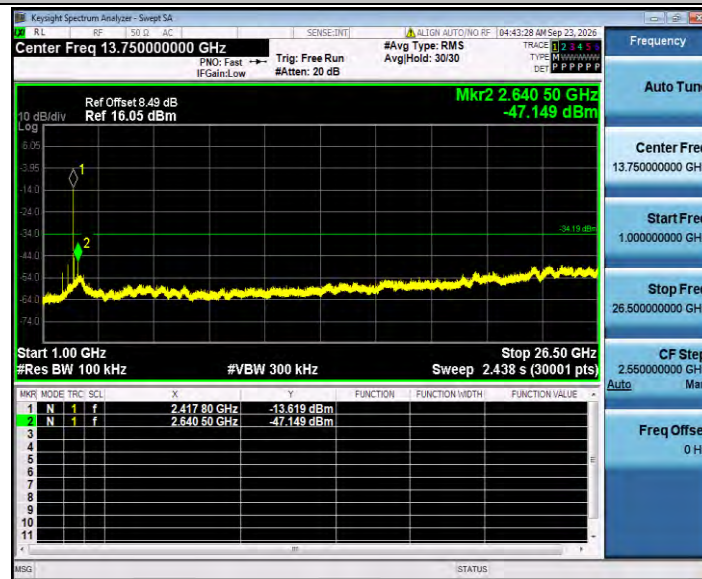
11N20ISO_Ant1_2412_0~Reference



11N20ISO_Ant1_2412_30~1000



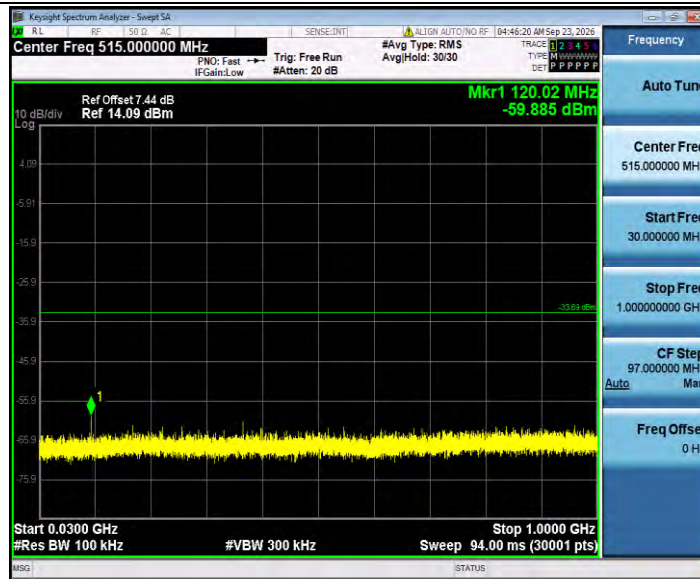
11N20SISO_Ant1_2412_1000~26500



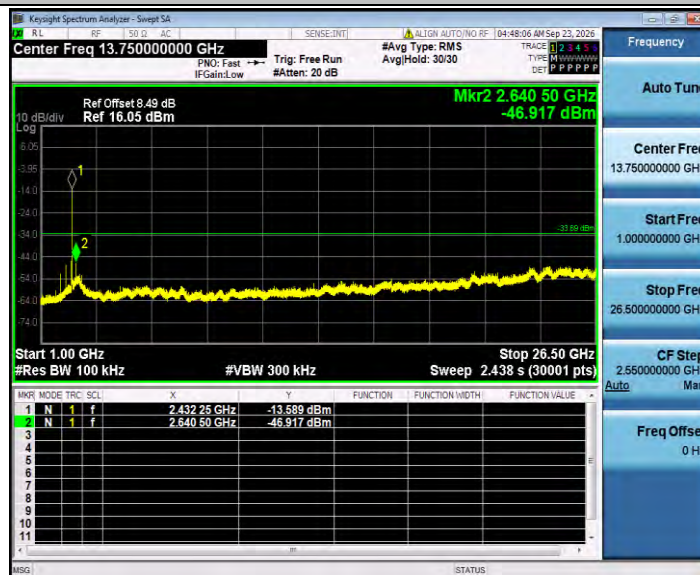
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



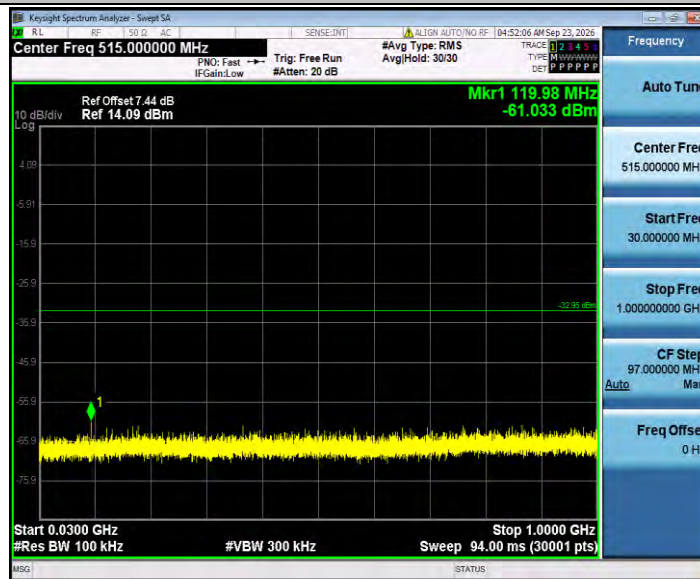
11N20SISO_Ant1_2437_1000~26500



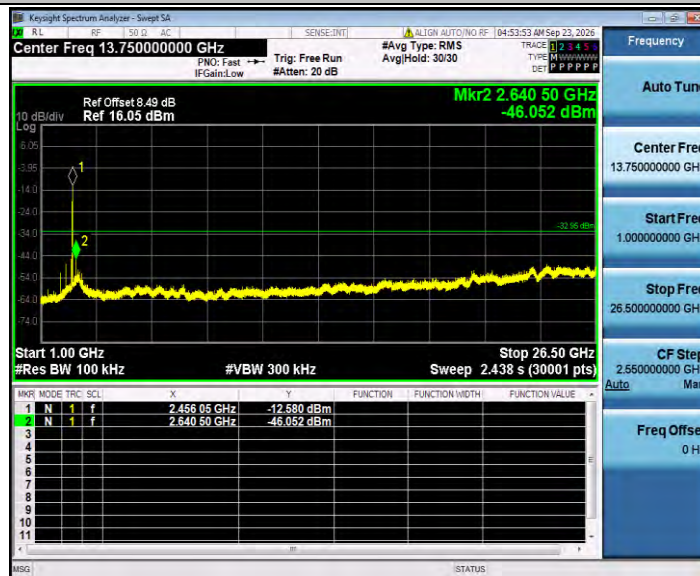
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



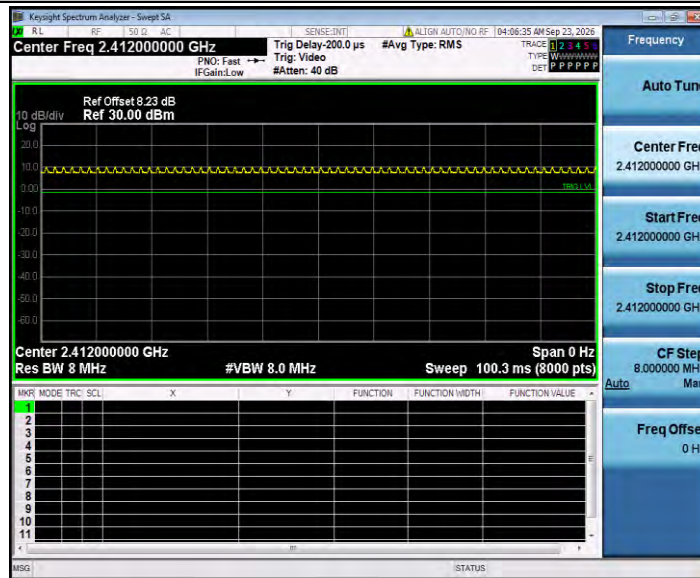
AppendixB.7: Duty Cycle

Test Result

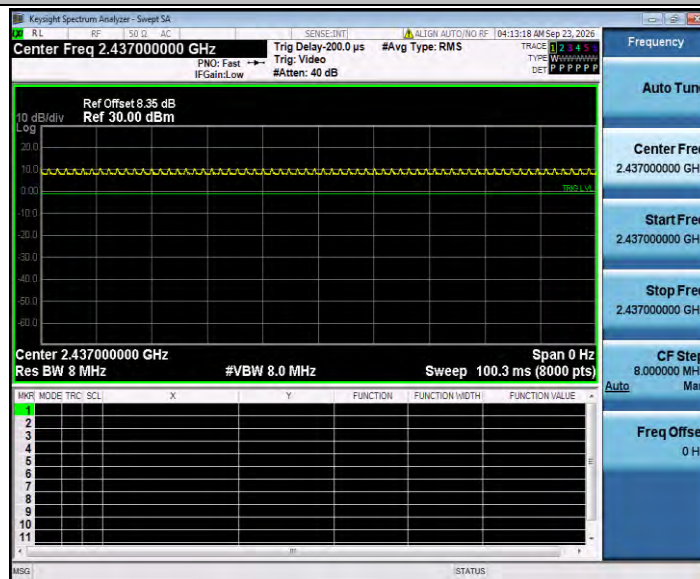
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	100.00	100.00	100.00	0.00	0.01
		2437	100.00	100.00	100.00	0.00	0.01
		2462	100.00	100.00	100.00	0.00	0.01
11G	Ant1	2412	100.00	100.00	100.00	0.00	0.01
		2437	100.00	100.00	100.00	0.00	0.01
		2462	100.00	100.00	100.00	0.00	0.01
11N20SISO	Ant1	2412	100.00	100.00	100.00	0.00	0.01
		2437	100.00	100.00	100.00	0.00	0.01
		2462	100.00	100.00	100.00	0.00	0.01

Test Graphs

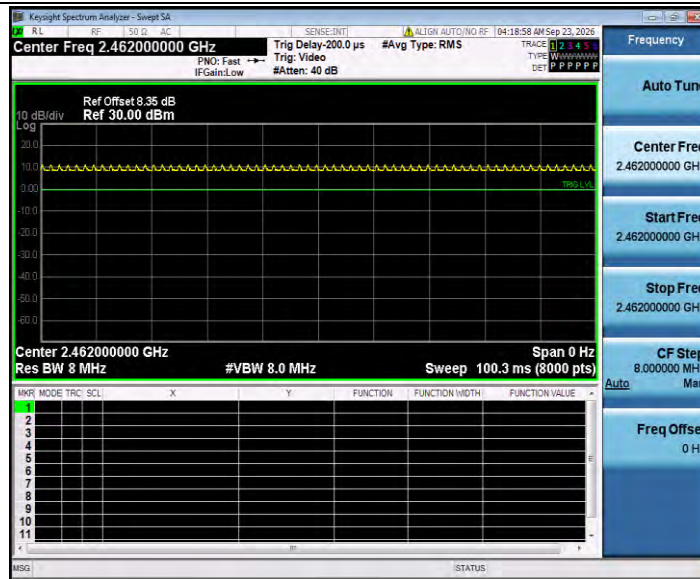
11B_Ant1_2412



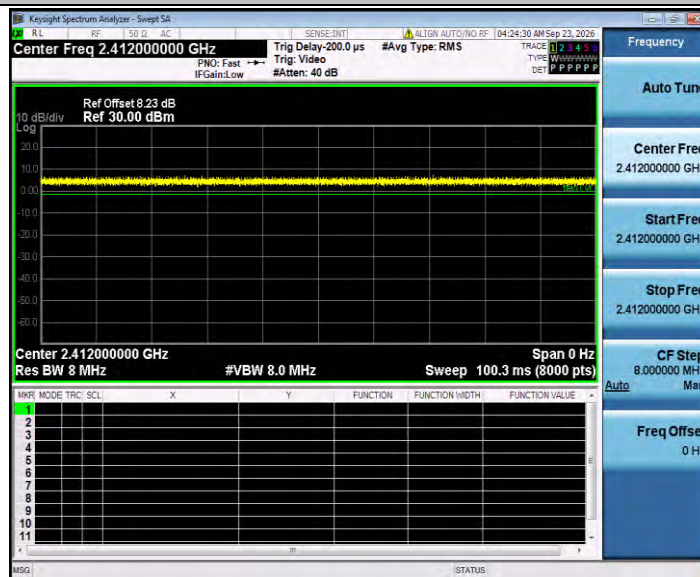
11B_Ant1_2437



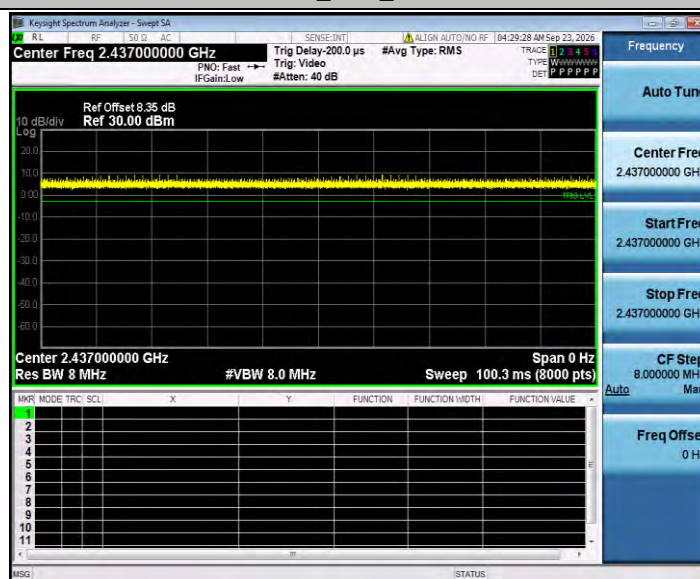
11B_Ant1_2462



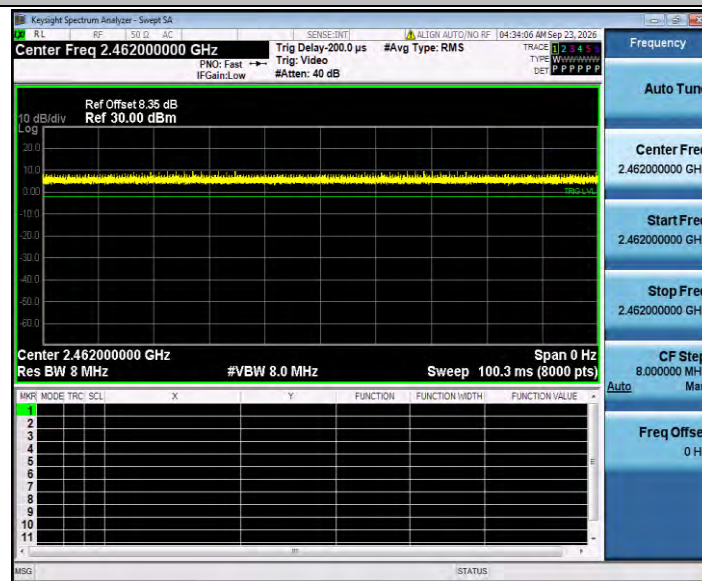
11G_Ant1_2412



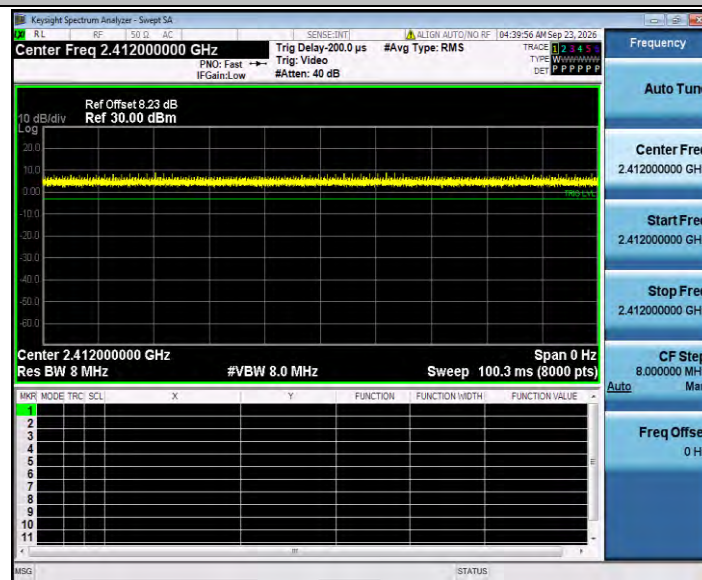
11G_Ant1_2437



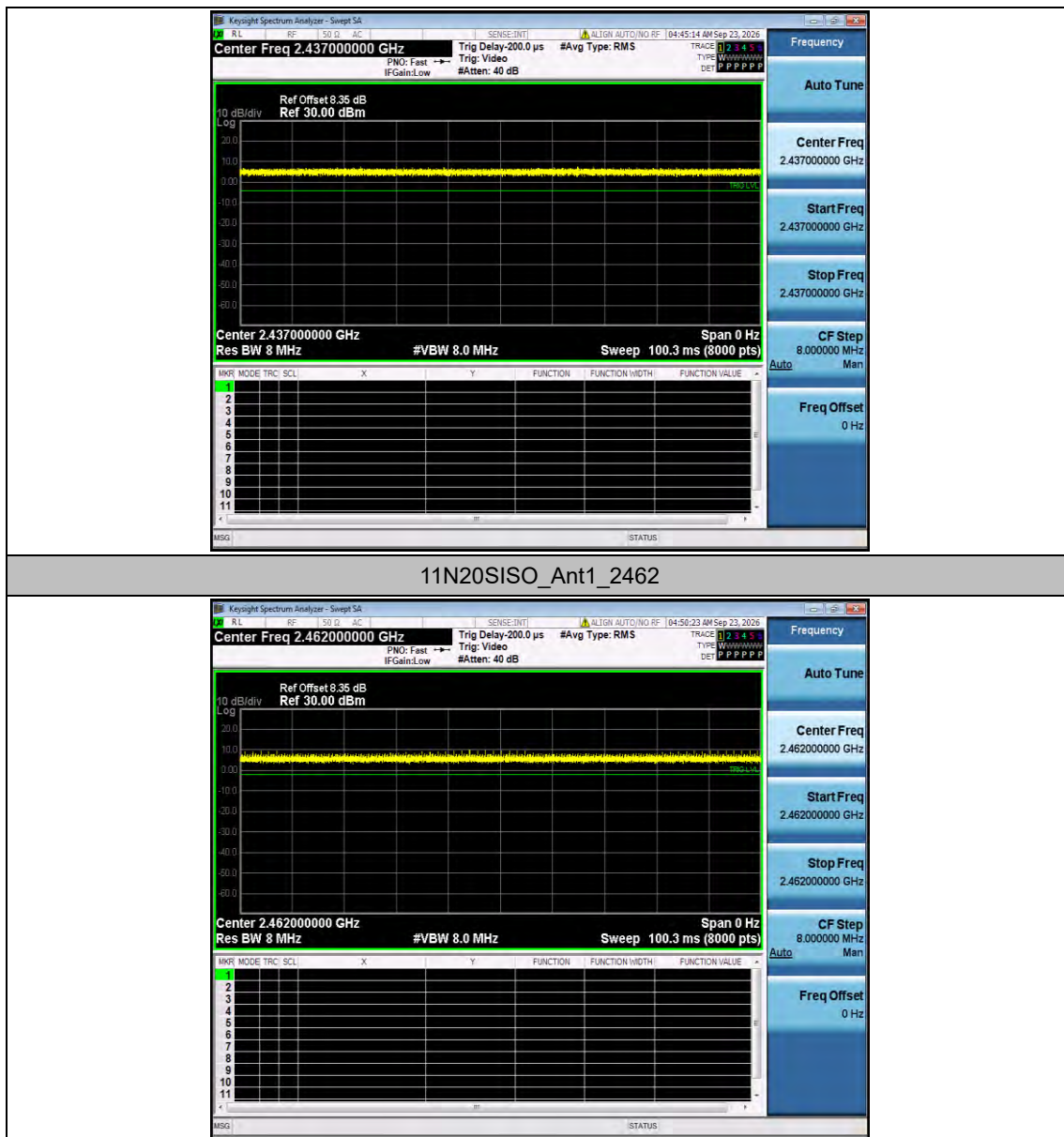
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



Appendix B.8: Emissions in Restricted Bands

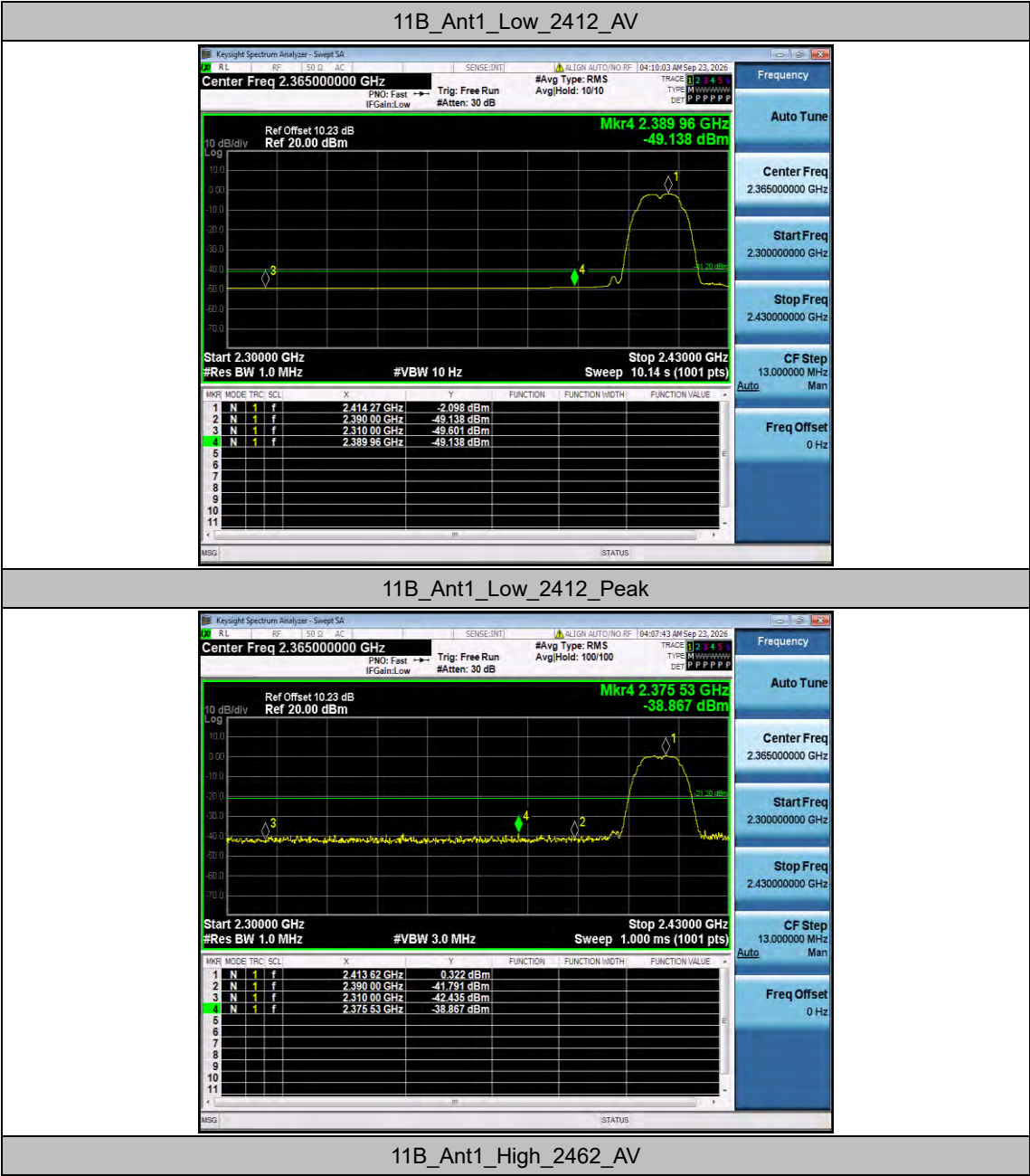
Test Result

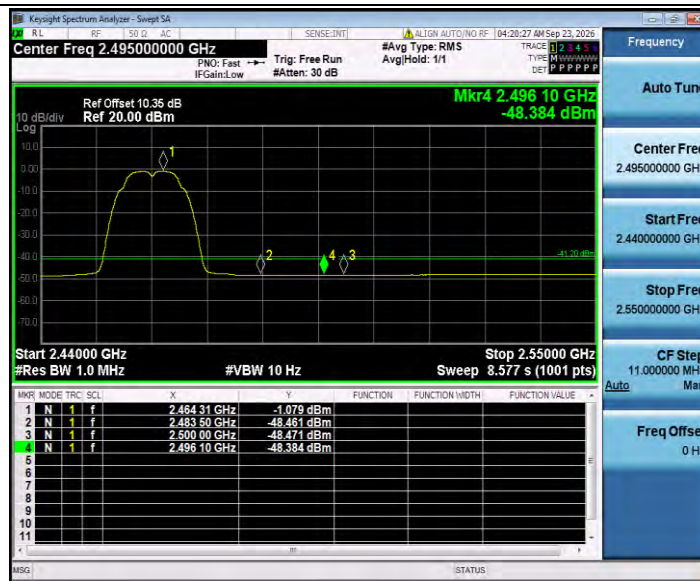
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.6	≤-41.20	45.60	≤54	PASS
				AV	2389.960	-49.14	≤-41.20	46.06	≤54	PASS
				AV	2390.000	-49.14	≤-41.20	46.06	≤54	PASS
				Peak	2310.000	-42.44	≤-21.20	52.76	≤74	PASS
				Peak	2375.530	-38.87	≤-21.20	56.33	≤74	PASS
				Peak	2390.000	-41.79	≤-21.20	53.41	≤74	PASS
		High	2462	AV	2483.500	-48.46	≤-41.20	46.74	≤54	PASS
				AV	2496.100	-48.38	≤-41.20	46.82	≤54	PASS
				AV	2500.000	-48.47	≤-41.20	46.73	≤54	PASS
				Peak	2483.500	-41.56	≤-21.20	53.64	≤74	PASS
				Peak	2489.500	-37.89	≤-21.20	57.31	≤74	PASS
				Peak	2500.000	-41.04	≤-21.20	54.16	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.67	≤-41.20	45.53	≤54	PASS
				AV	2389.700	-49.27	≤-41.20	45.93	≤54	PASS
				AV	2390.000	-49.3	≤-41.20	45.90	≤54	PASS
				Peak	2310.000	-42.31	≤-21.20	52.89	≤74	PASS
				Peak	2356.810	-39.08	≤-21.20	56.12	≤74	PASS
				Peak	2390.000	-40.95	≤-21.20	54.25	≤74	PASS
		High	2462	AV	2483.500	-48.6	≤-41.20	46.60	≤54	PASS
				AV	2495.990	-48.37	≤-41.20	46.83	≤54	PASS
				AV	2500.000	-48.54	≤-41.20	46.66	≤54	PASS
				Peak	2483.500	-41.05	≤-21.20	54.15	≤74	PASS
				Peak	2493.790	-38.92	≤-21.20	56.28	≤74	PASS
				Peak	2500.000	-39.91	≤-21.20	55.29	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.66	≤-41.20	45.54	≤54	PASS
				AV	2388.790	-49.25	≤-41.20	45.95	≤54	PASS
				AV	2390.000	-49.31	≤-41.20	45.89	≤54	PASS
				Peak	2310.000	-43.09	≤-21.20	52.11	≤74	PASS
				Peak	2384.500	-38.67	≤-21.20	56.53	≤74	PASS
				Peak	2390.000	-42.44	≤-21.20	52.76	≤74	PASS
		High	2462	AV	2483.500	-48.58	≤-41.20	46.62	≤54	PASS
				AV	2496.100	-48.39	≤-41.20	46.81	≤54	PASS
				AV	2500.000	-48.53	≤-41.20	46.67	≤54	PASS
				Peak	2483.500	-40.91	≤-21.20	54.29	≤74	PASS
				Peak	2489.170	-39.13	≤-21.20	56.07	≤74	PASS
				Peak	2500.000	-42.06	≤-21.20	53.14	≤74	PASS

Note:

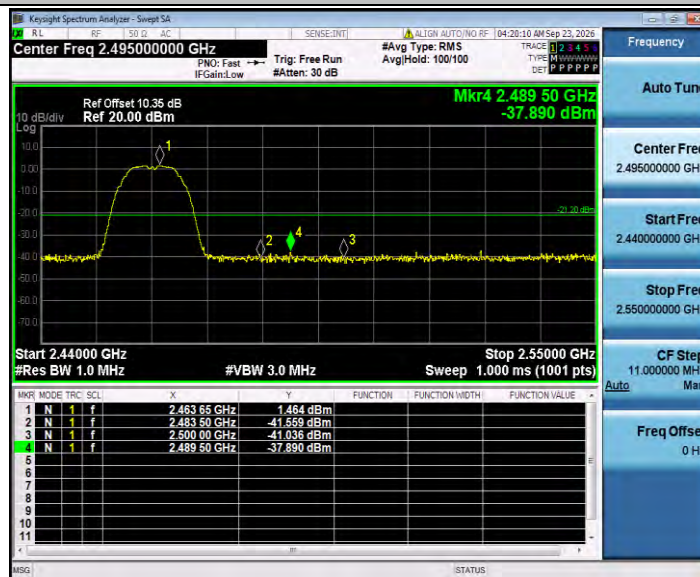
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

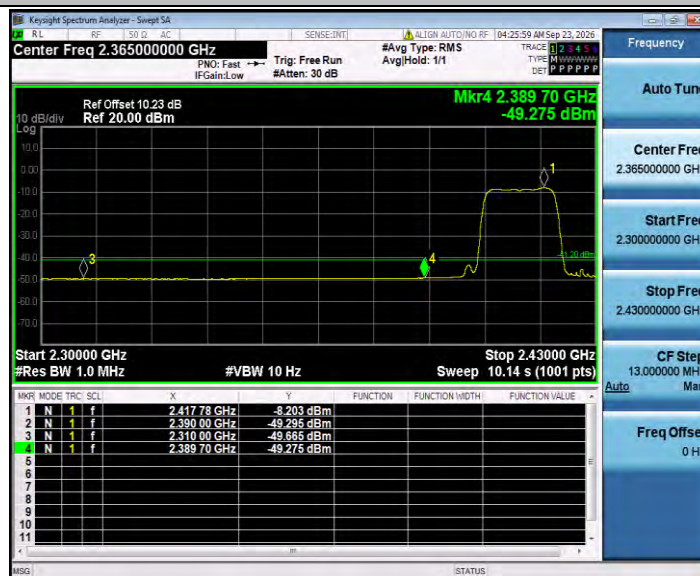




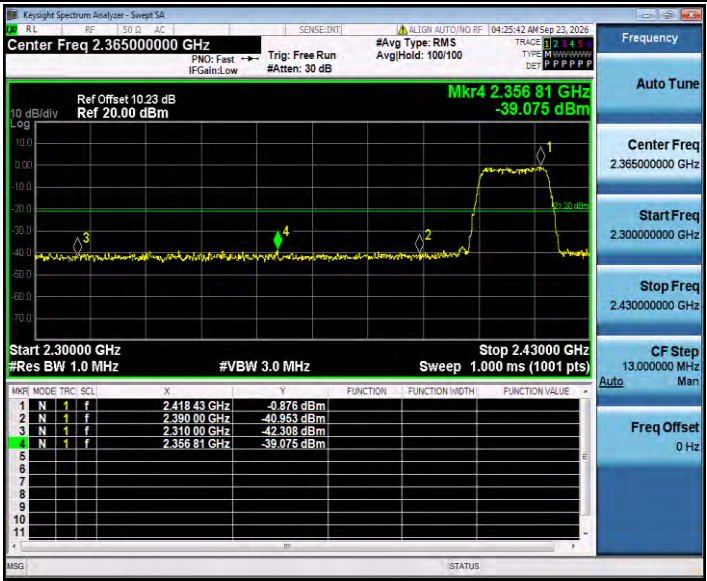
11B_Ant1_High_2462_Peak



11G_Ant1_Low_2412_AV



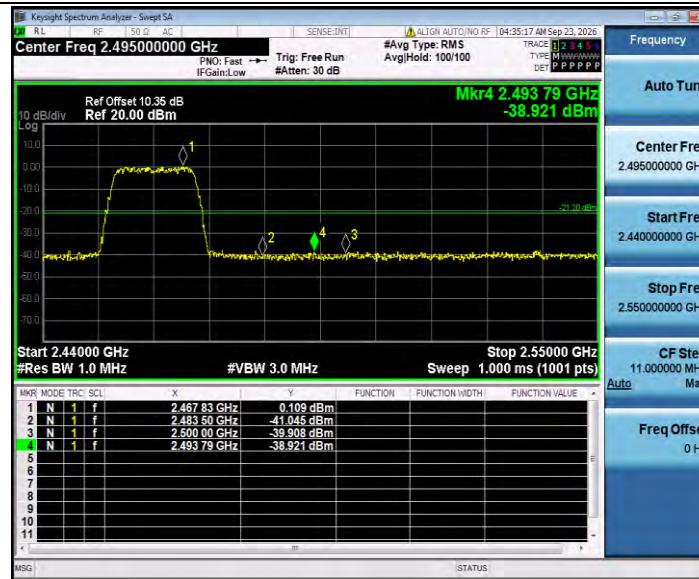
11G_Ant1_Low_2412_Peak



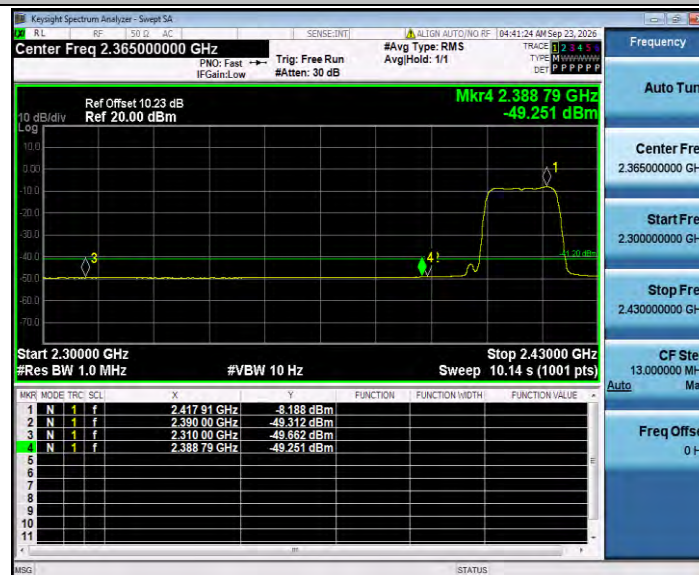
11G_Ant1_High_2462_AV



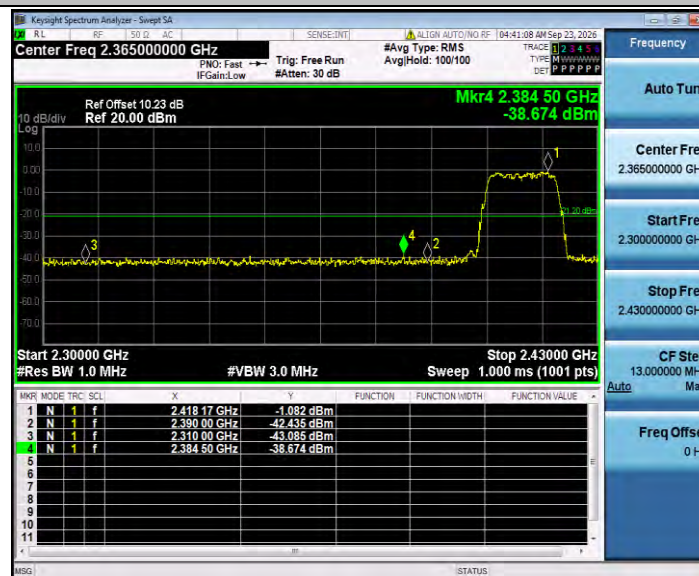
11G_Ant1_High_2462_Peak



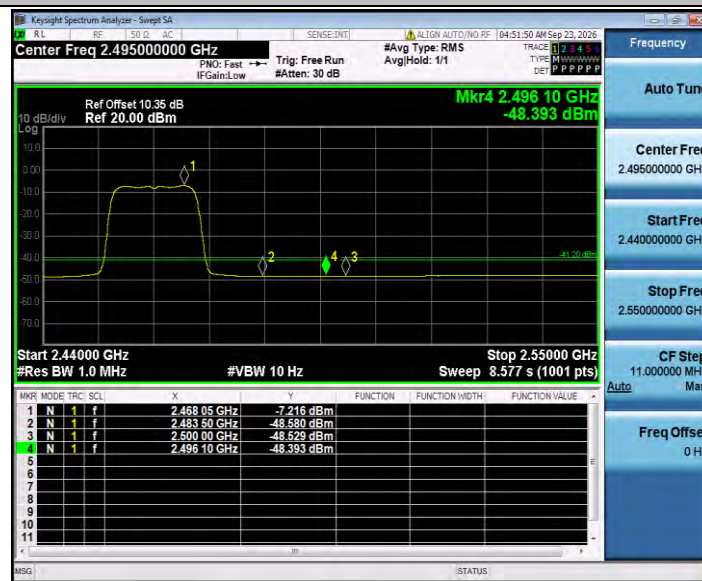
11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak

