

Case No. : <u>GTS20260718003-1-03</u>
Ambient Condition: <u>23℃,53%RH,</u>
Test Date: <u>2026.7.24-2026.8.12</u> Test Engineer: <u>Evan ouyang</u>

AppendixC.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.320	2406.840	2417.160	0.5	PASS
		2437	10.320	2431.840	2442.160	0.5	PASS
		2462	10.320	2456.840	2467.160	0.5	PASS
11G	Ant2	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.480	2428.760	2445.240	0.5	PASS
		2462	16.440	2453.800	2470.240	0.5	PASS
11N20SISO	Ant2	2412	17.520	2403.240	2420.760	0.5	PASS
		2437	17.520	2428.240	2445.760	0.5	PASS
		2462	17.520	2453.240	2470.760	0.5	PASS
11N40SISO	Ant2	2422	36.160	2404.000	2440.160	0.5	PASS
		2437	36.240	2419.000	2455.240	0.5	PASS
		2452	36.240	2433.920	2470.160	0.5	PASS

Test Graphs

11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



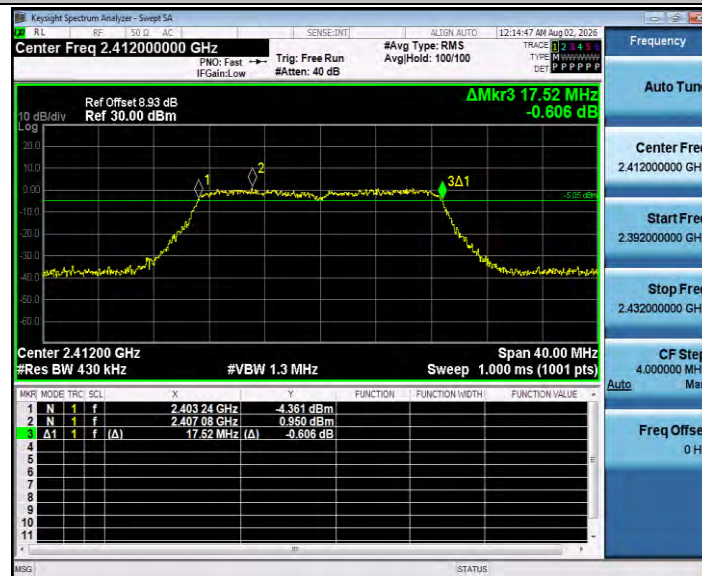
11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



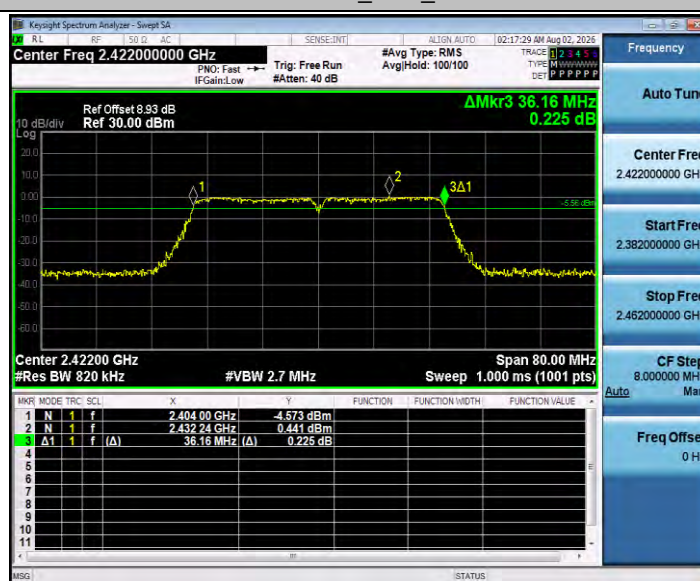
11N20SISO_Ant2_2437



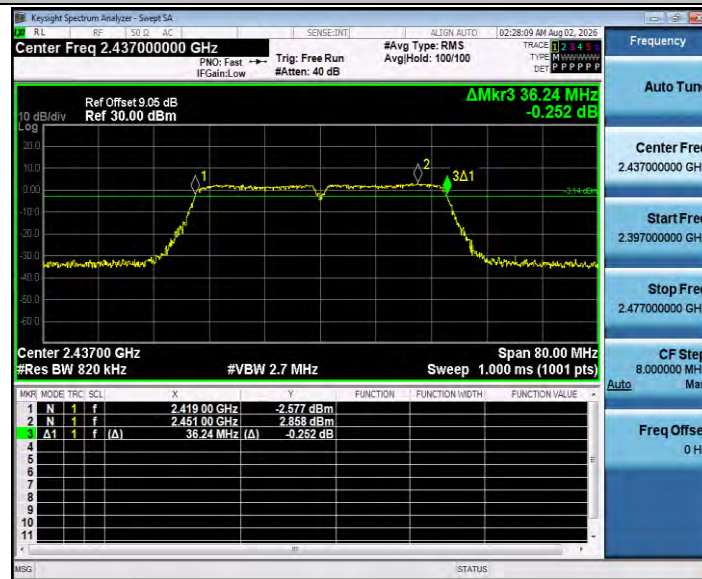
11N20SISO_Ant2_2462



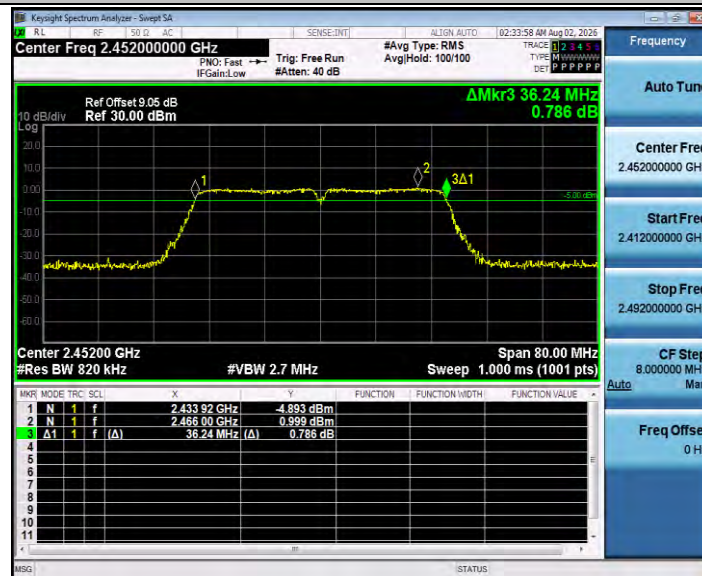
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



AppendixC.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	15.089	2404.4340	2419.5230	---	---
		2437	15.084	2429.4330	2444.5170	---	---
		2462	15.045	2454.4490	2469.4940	---	---
11G	Ant2	2412	17.013	2403.3943	2420.4073	---	---
		2437	16.935	2428.4797	2445.4147	---	---
		2462	16.912	2453.4734	2470.3854	---	---
11N20SISO	Ant2	2412	17.971	2402.9895	2420.9605	---	---
		2437	17.923	2428.0372	2445.9602	---	---
		2462	17.898	2453.0234	2470.9214	---	---
11N40SISO	Ant2	2422	36.463	2403.8054	2440.2684	---	---
		2437	36.480	2418.8365	2455.3165	---	---
		2452	36.417	2433.8339	2470.2509	---	---

Test Graphs

11B_Ant2_2412



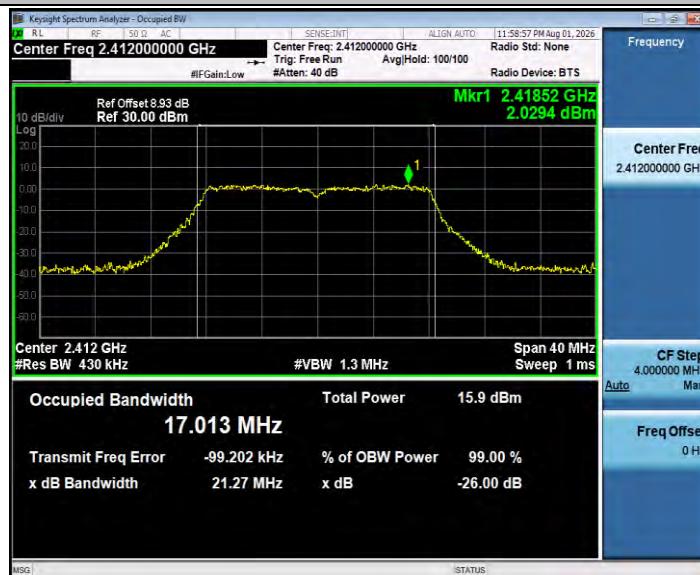
11B_Ant2_2437



11B_Ant2_2462



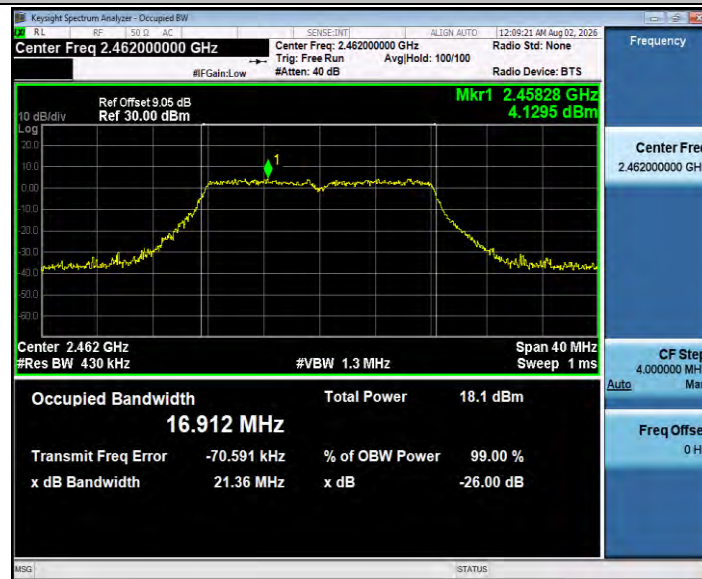
11G_Ant2_2412



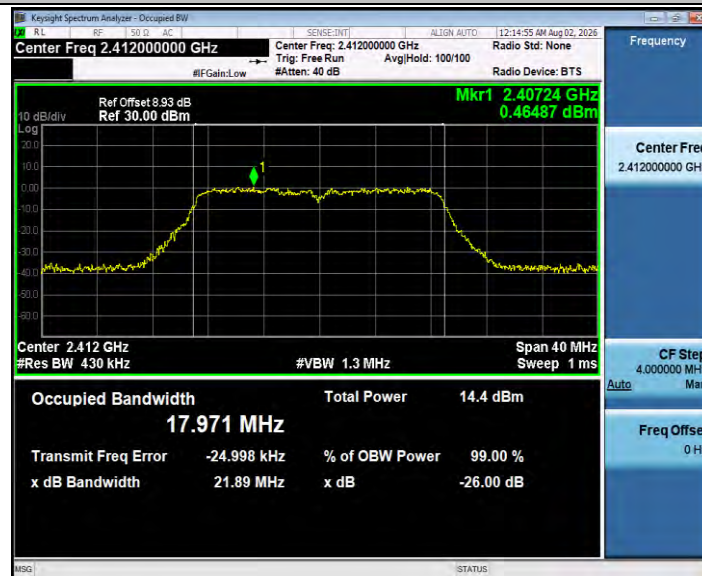
11G_Ant2_2437



11G_Ant2_2462



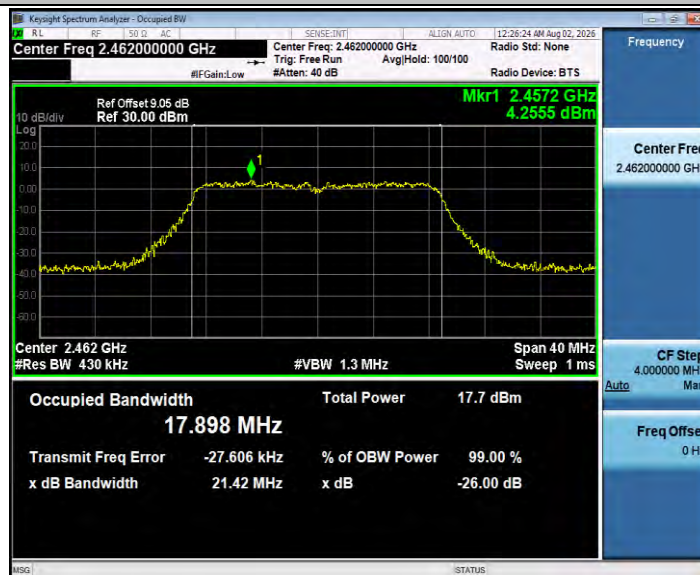
11N20SISO_Ant2_2412



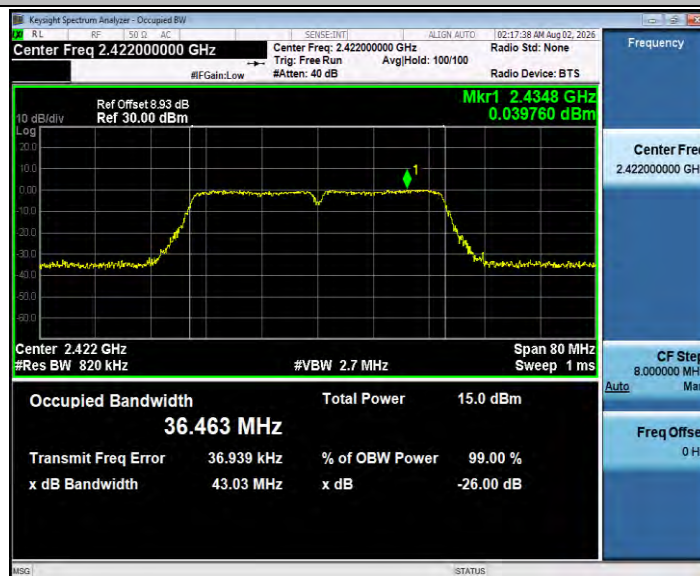
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



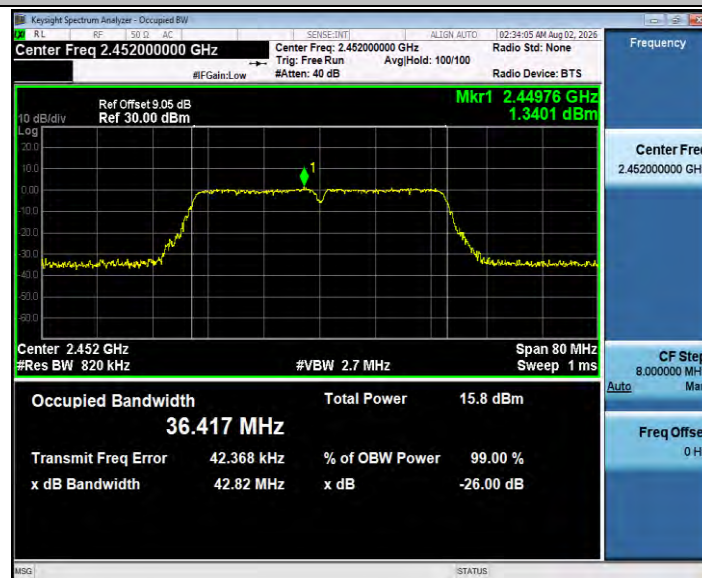
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



AppendixC.3: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	14.43	≤30.00	PASS
		2437	15.20	≤30.00	PASS
		2462	16.26	≤30.00	PASS
11G	Ant2	2412	17.02	≤30.00	PASS
		2437	17.81	≤30.00	PASS
		2462	19.22	≤30.00	PASS
11N20SISO	Ant2	2412	15.80	≤30.00	PASS
		2437	18.75	≤30.00	PASS
		2462	19.07	≤30.00	PASS
11N40SISO	Ant2	2422	15.37	≤30.00	PASS
		2437	17.93	≤30.00	PASS
		2452	16.20	≤30.00	PASS

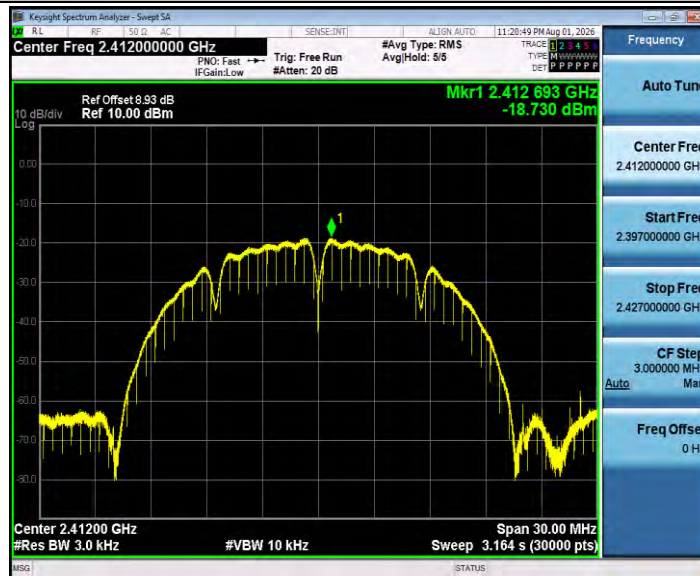
AppendixC.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-18.73	≤8.00	PASS
		2437	-17.96	≤8.00	PASS
		2462	-16.84	≤8.00	PASS
11G	Ant2	2412	-18.33	≤8.00	PASS
		2437	-17.15	≤8.00	PASS
		2462	-16.48	≤8.00	PASS
11N20SISO	Ant2	2412	-18.96	≤8.00	PASS
		2437	-16.27	≤8.00	PASS
		2462	-15.41	≤8.00	PASS
11N40SISO	Ant2	2422	-20.07	≤8.00	PASS
		2437	-18.13	≤8.00	PASS
		2452	-20.37	≤8.00	PASS

Test Graphs

11B_Ant2_2412



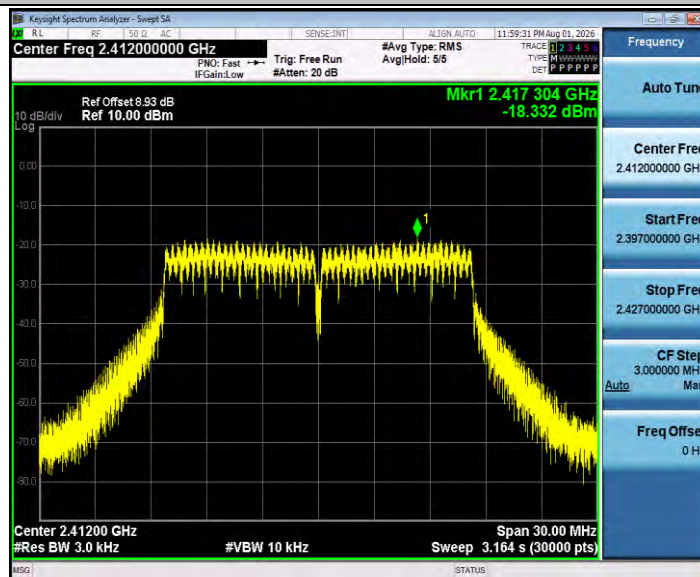
11B_Ant2_2437



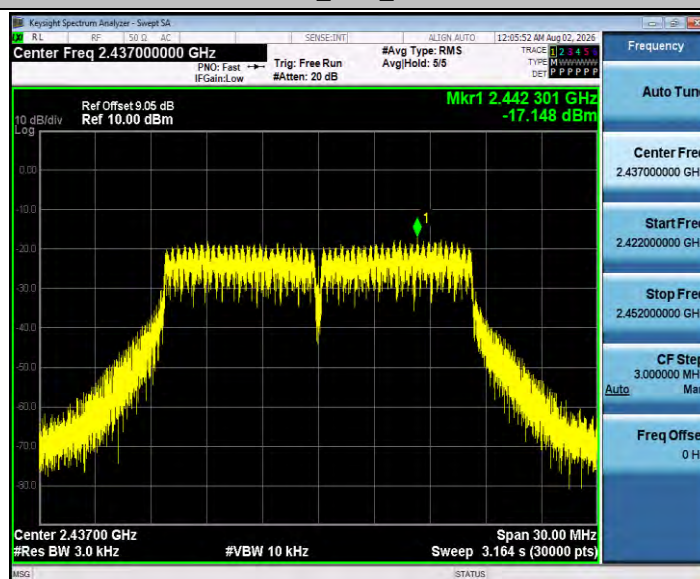
11B_Ant2_2462



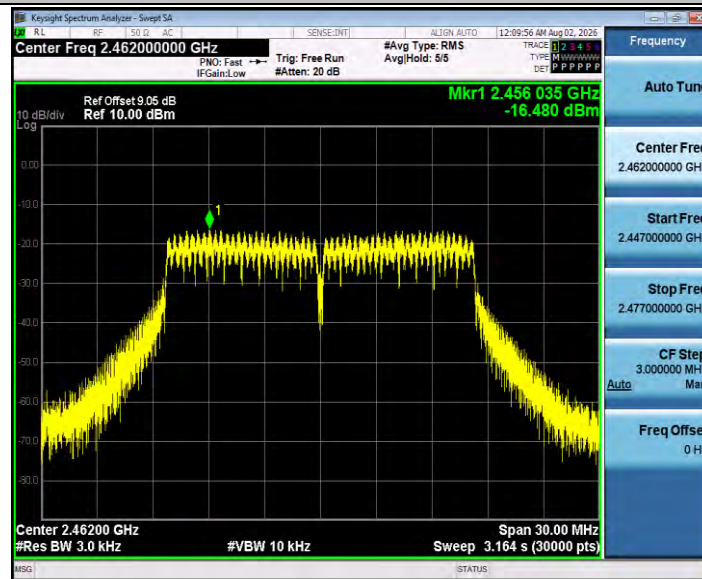
11G_Ant2_2412



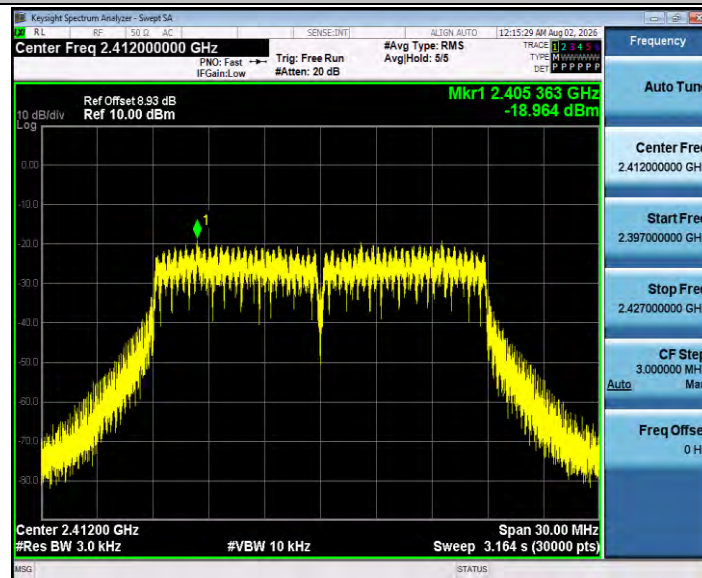
11G_Ant2_2437



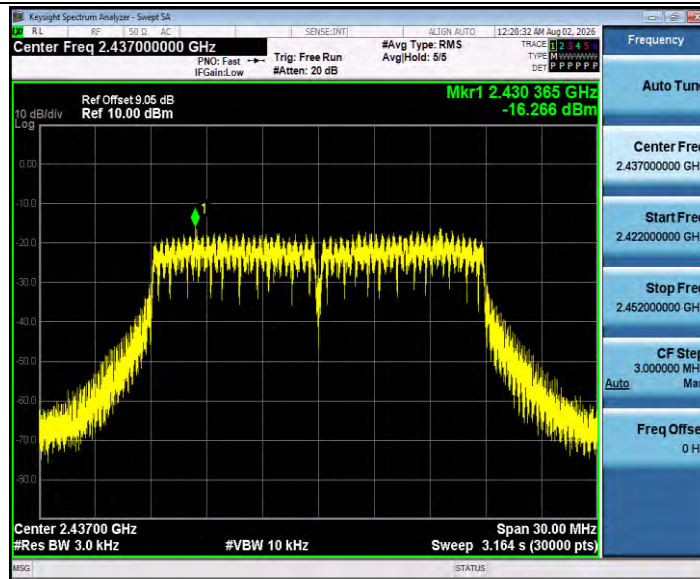
11G_Ant2_2462



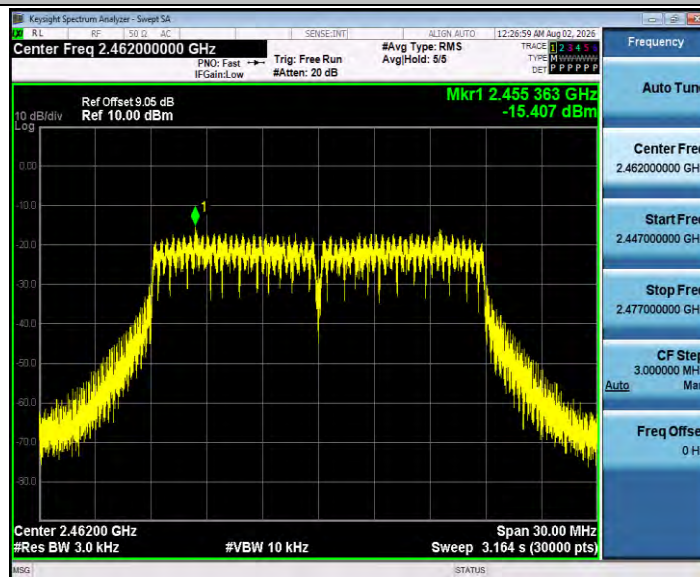
11N20SISO_Ant2_2412



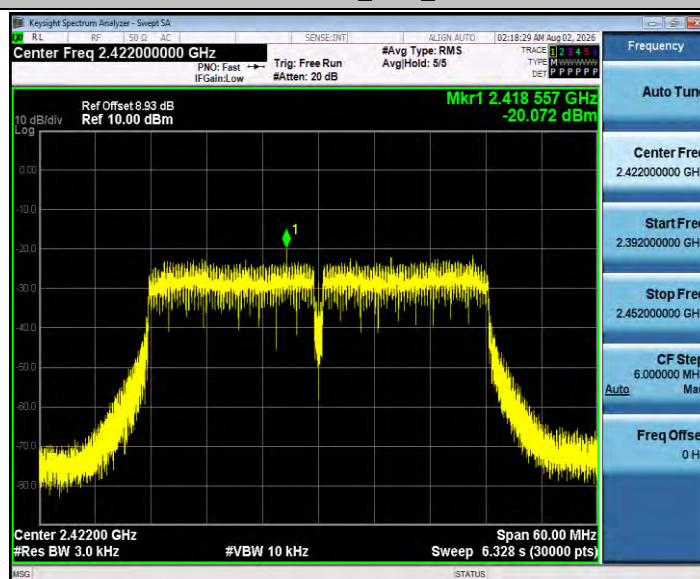
11N20SISO_Ant2_2437



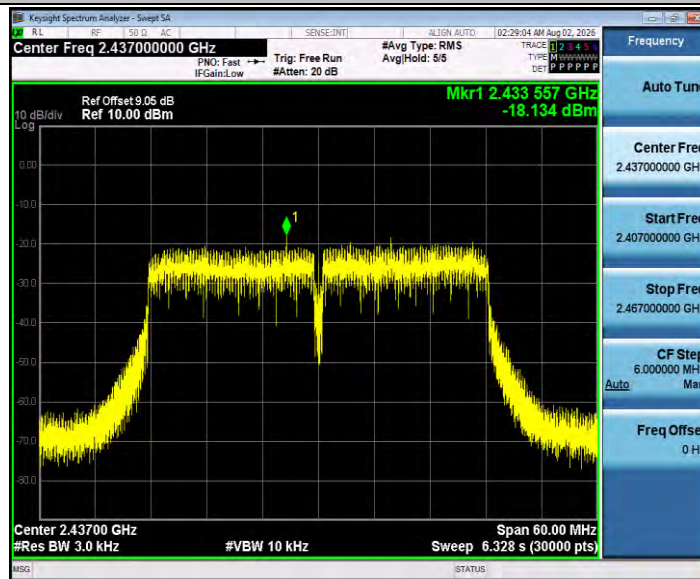
11N20SISO_Ant2_2462



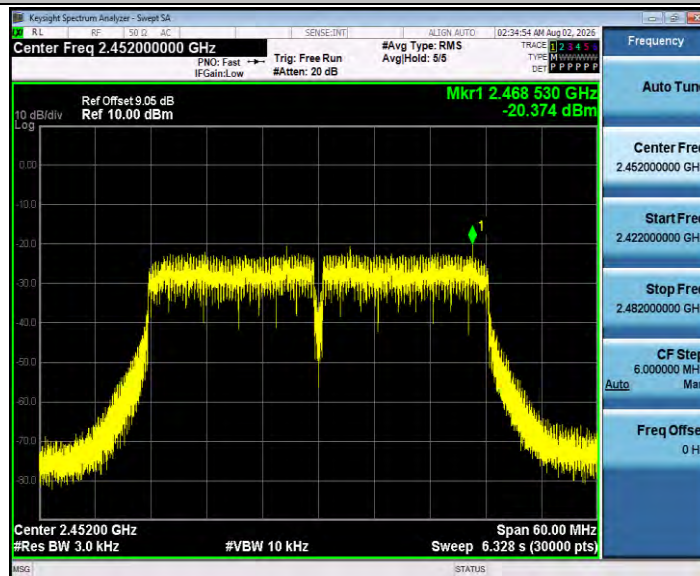
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

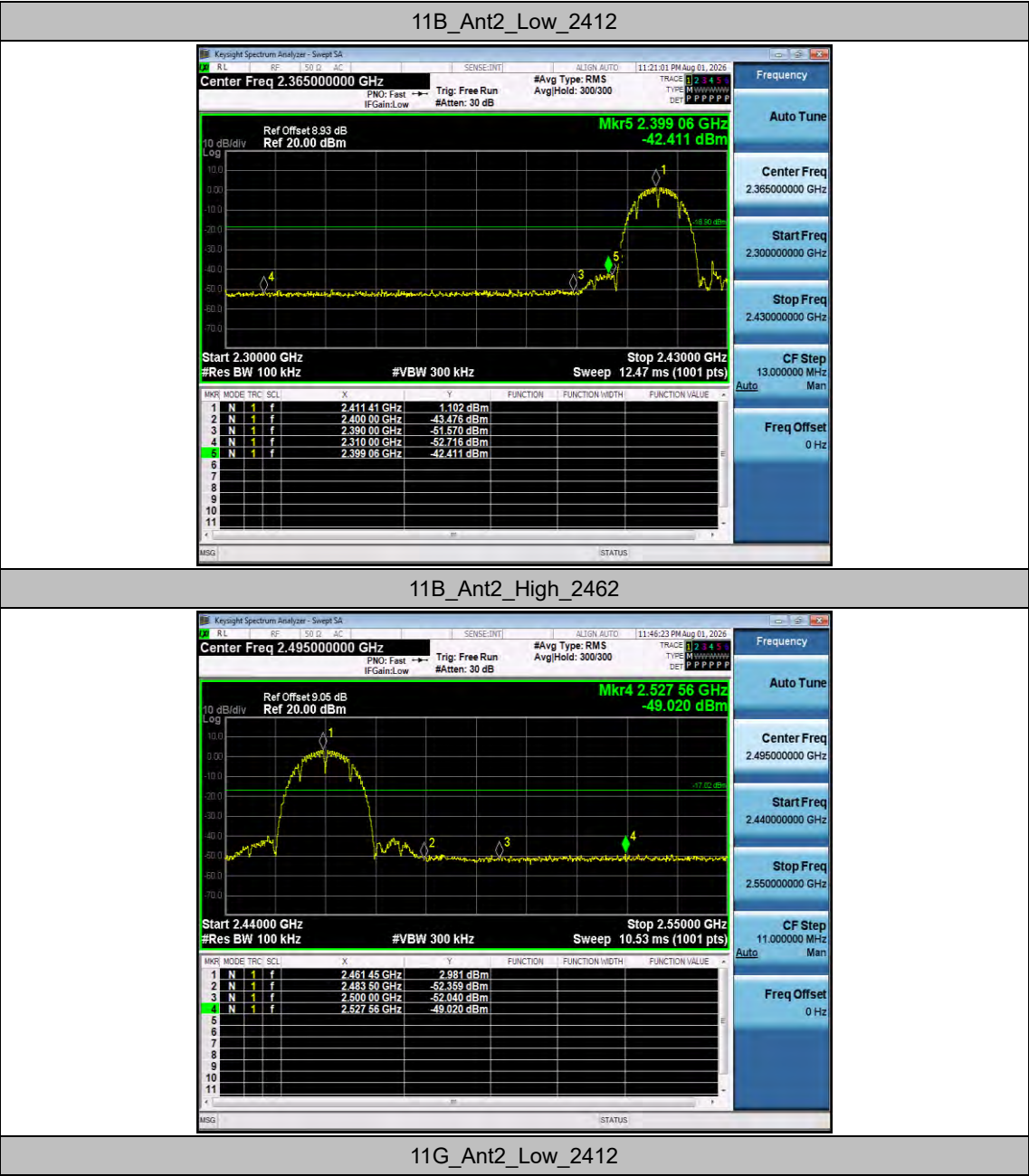


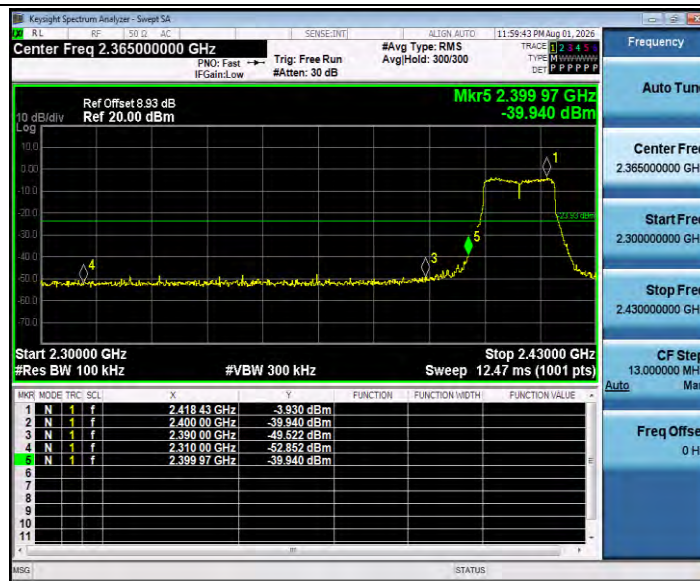
Appendix C.5: Band edge measurements

Test Result

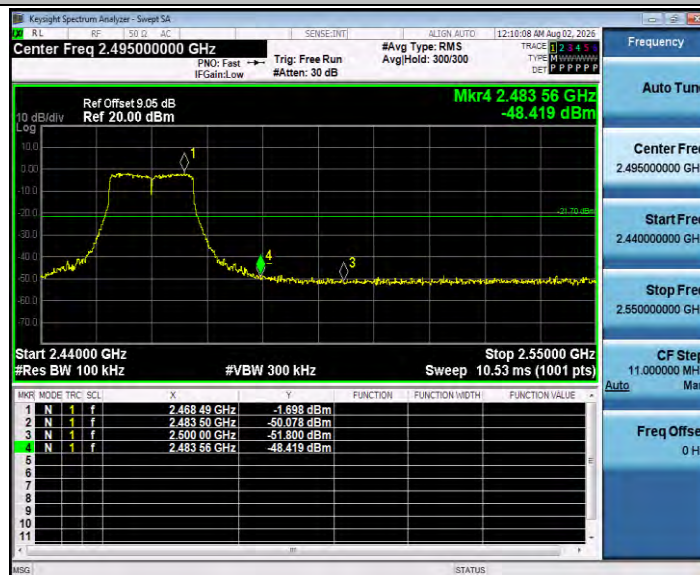
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	1.10	-42.41	≤-18.9	PASS
		High	2462	2.98	-49.02	≤-17.02	PASS
11G	Ant2	Low	2412	-3.93	-39.94	≤-23.93	PASS
		High	2462	-1.70	-48.42	≤-21.7	PASS
11N20SISO	Ant2	Low	2412	-5.43	-41.66	≤-25.43	PASS
		High	2462	-1.72	-47.28	≤-21.72	PASS
11N40SISO	Ant2	Low	2422	-8.75	-42.6	≤-28.75	PASS
		High	2452	-8.00	-48	≤-28	PASS

Test Graphs

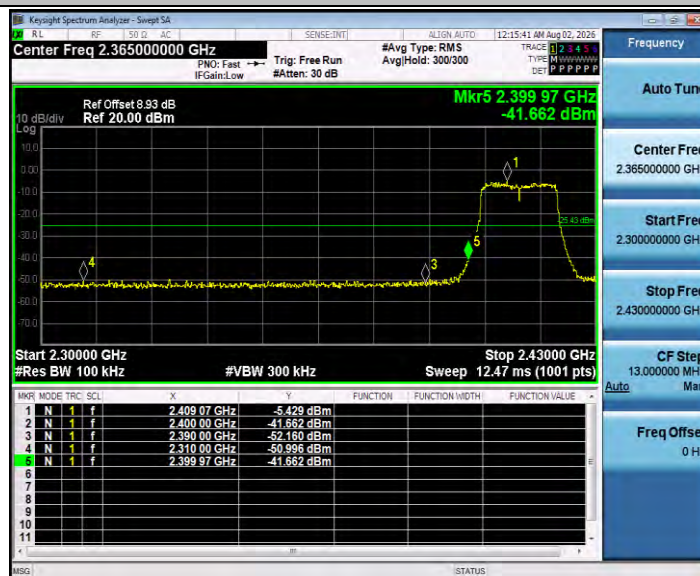




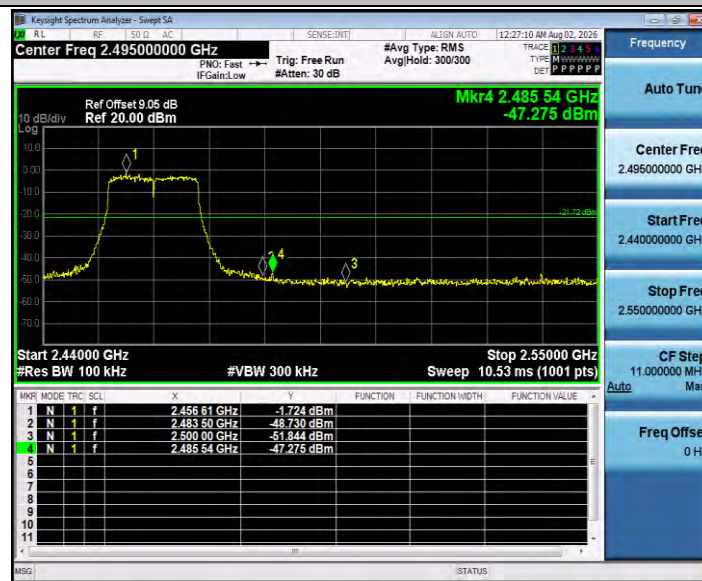
11G_Ant2_High_2462



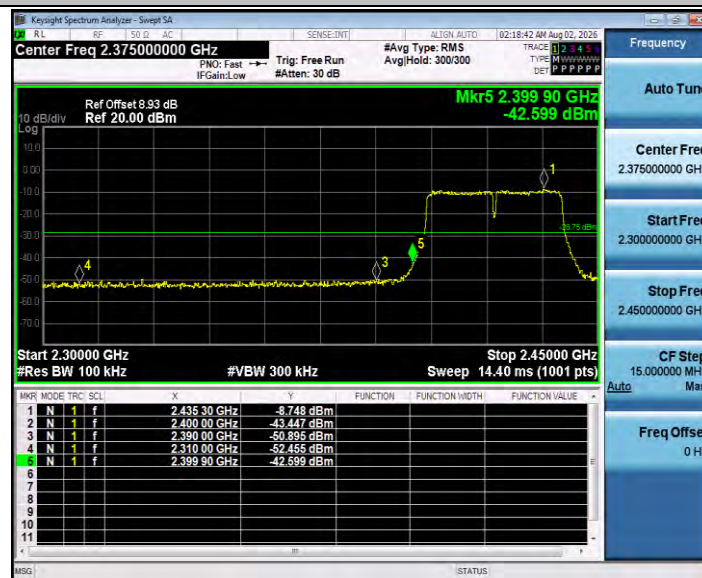
11N20SISO_Ant2_Low_2412



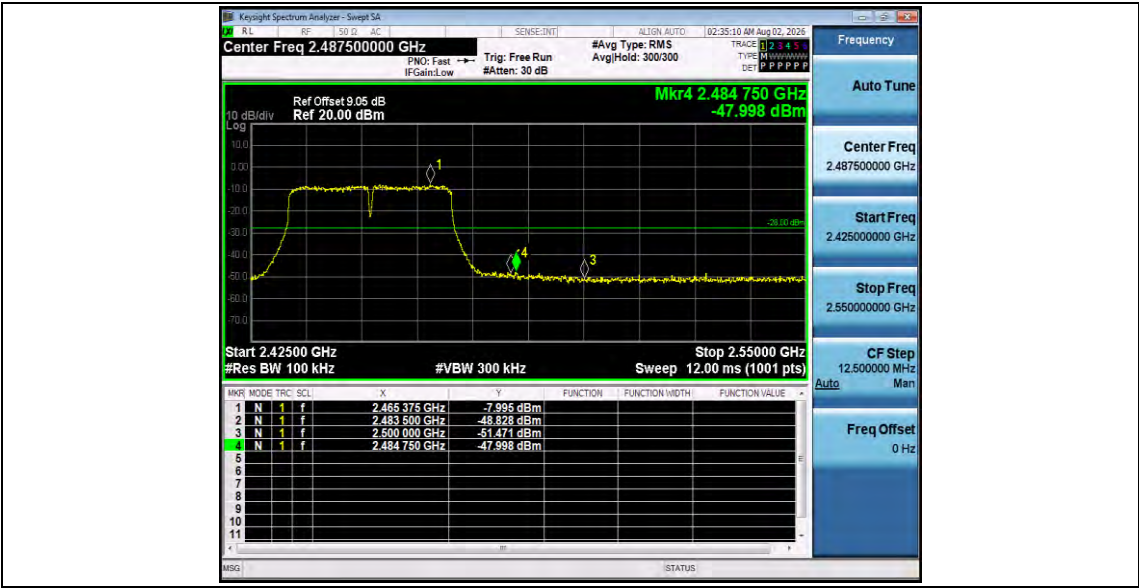
11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

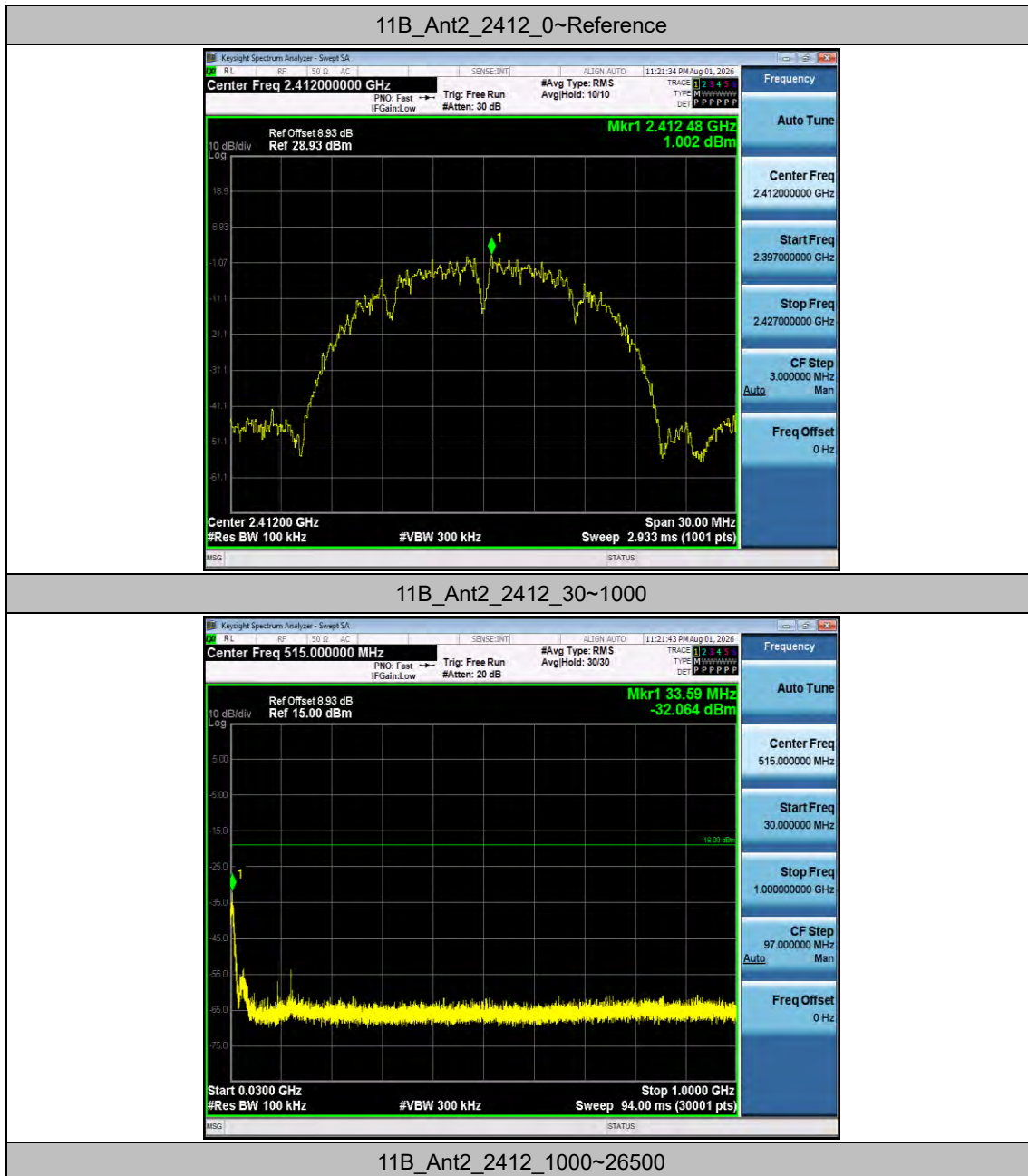


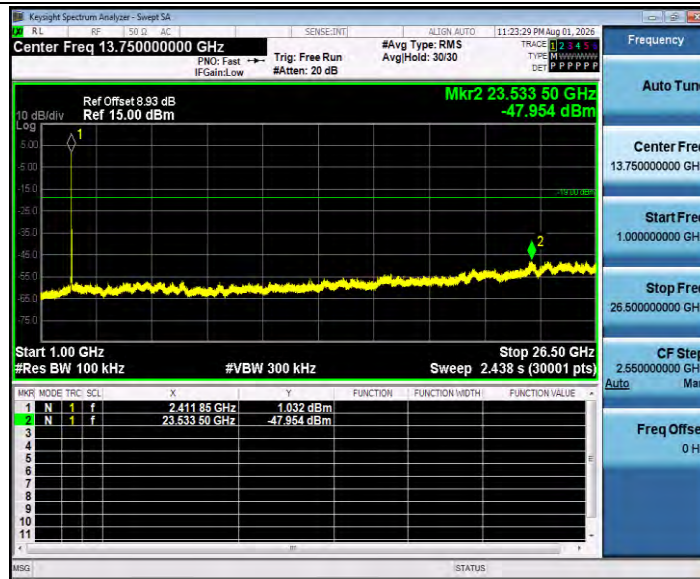
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	1.00	1.00	---	PASS
			30~1000	1.00	-32.06	≤-19	PASS
			1000~26500	1.00	-47.95	≤-19	PASS
		2437	Reference	1.34	1.34	---	PASS
			30~1000	1.34	-32.8	≤-18.66	PASS
			1000~26500	1.34	-46.86	≤-18.66	PASS
		2462	Reference	2.77	2.77	---	PASS
			30~1000	2.77	-60.57	≤-17.23	PASS
			1000~26500	2.77	-47.46	≤-17.23	PASS
11G	Ant2	2412	Reference	-4.67	-4.67	---	PASS
			30~1000	-4.67	-60.42	≤-24.67	PASS
			1000~26500	-4.67	-47.27	≤-24.67	PASS
		2437	Reference	-3.74	-3.74	---	PASS
			30~1000	-3.74	-60.94	≤-23.74	PASS
			1000~26500	-3.74	-47.95	≤-23.74	PASS
		2462	Reference	-2.36	-2.36	---	PASS
			30~1000	-2.36	-59.91	≤-22.36	PASS
			1000~26500	-2.36	-47.15	≤-22.36	PASS
11N20SISO	Ant2	2412	Reference	-6.31	-6.31	---	PASS
			30~1000	-6.31	-60.78	≤-26.31	PASS
			1000~26500	-6.31	-47.76	≤-26.31	PASS
		2437	Reference	-2.52	-2.52	---	PASS
			30~1000	-2.52	-59.81	≤-22.52	PASS
			1000~26500	-2.52	-47.93	≤-22.52	PASS
		2462	Reference	-3.50	-3.50	---	PASS
			30~1000	-3.50	-60.6	≤-23.5	PASS
			1000~26500	-3.50	-48.07	≤-23.5	PASS
11N40SISO	Ant2	2422	Reference	-9.54	-9.54	---	PASS
			30~1000	-9.54	-60.64	≤-29.54	PASS
			1000~26500	-9.54	-47.11	≤-29.54	PASS
		2437	Reference	-6.71	-6.71	---	PASS
			30~1000	-6.71	-60.62	≤-26.71	PASS
			1000~26500	-6.71	-47.94	≤-26.71	PASS
		2452	Reference	-8.20	-8.20	---	PASS
			30~1000	-8.20	-59.85	≤-28.2	PASS
			1000~26500	-8.20	-47.14	≤-28.2	PASS

Test Graphs

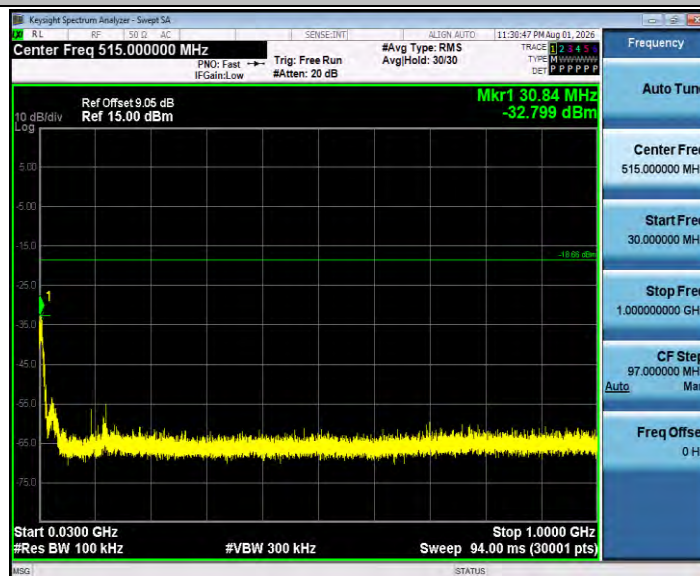




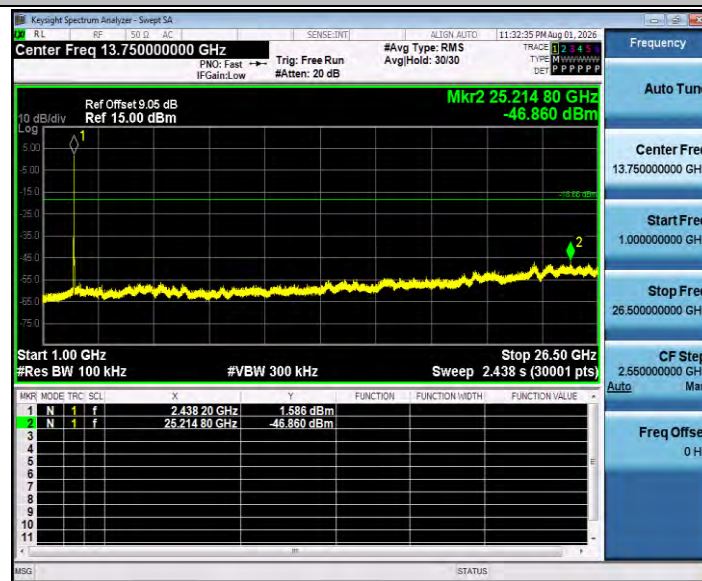
11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



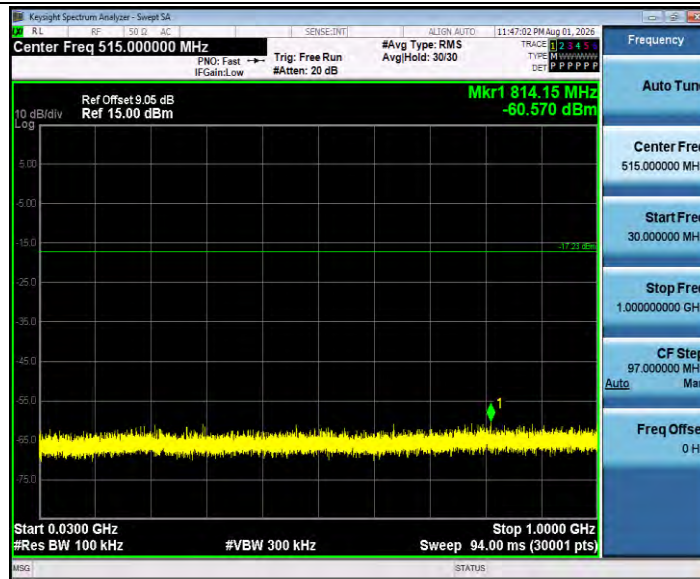
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000



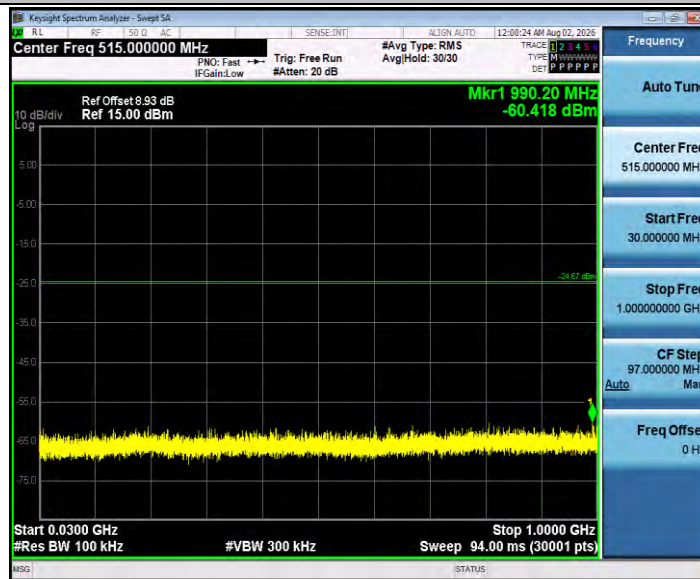
11B_Ant2_2462_1000~26500



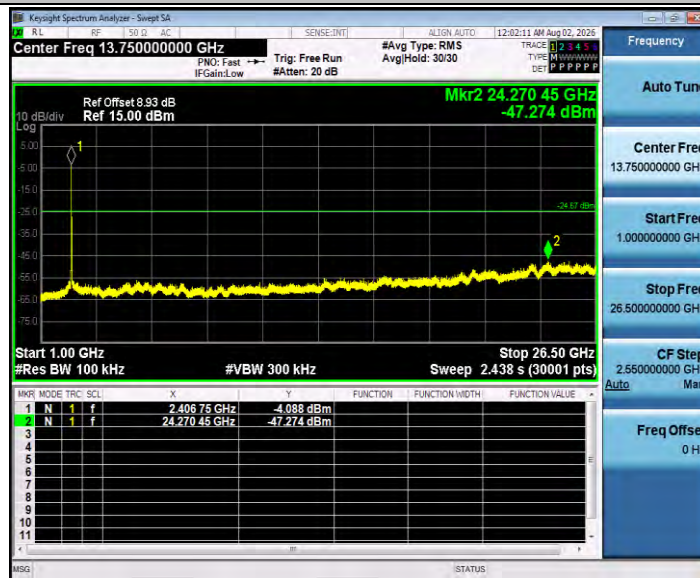
11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



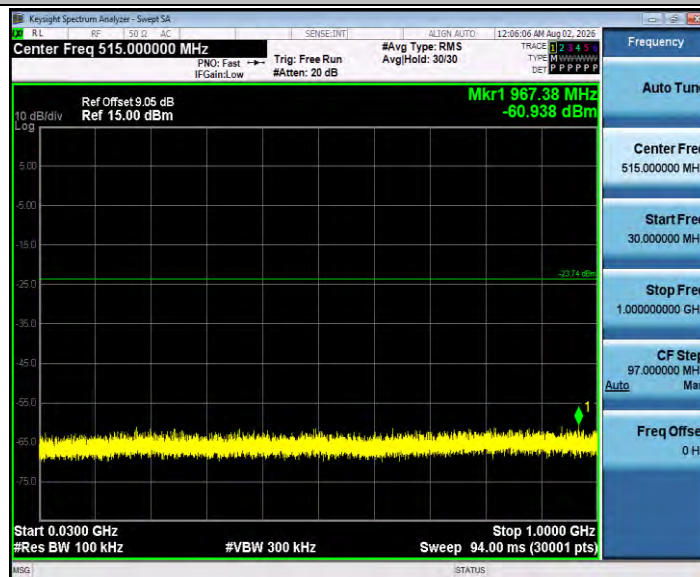
11G_Ant2_2412_1000~26500



11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000



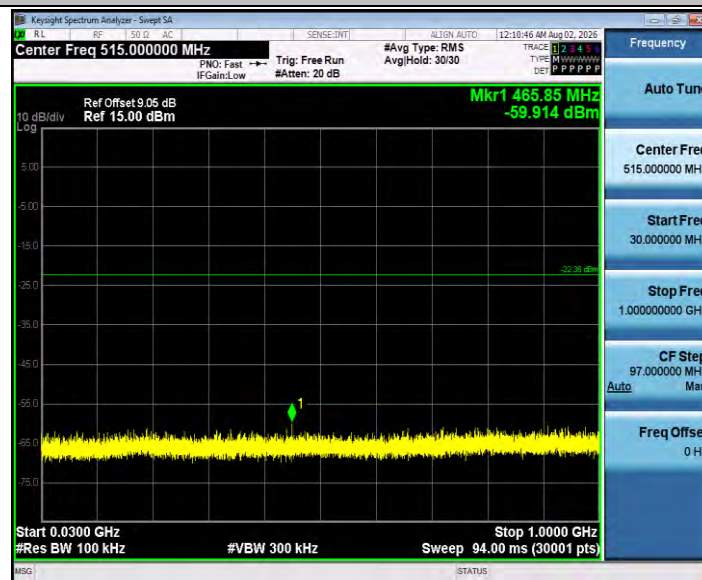
11G_Ant2_2437_1000~26500



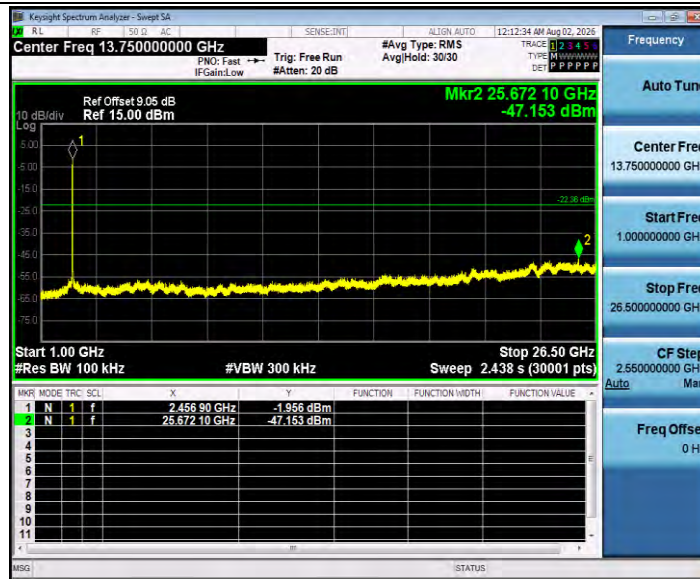
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



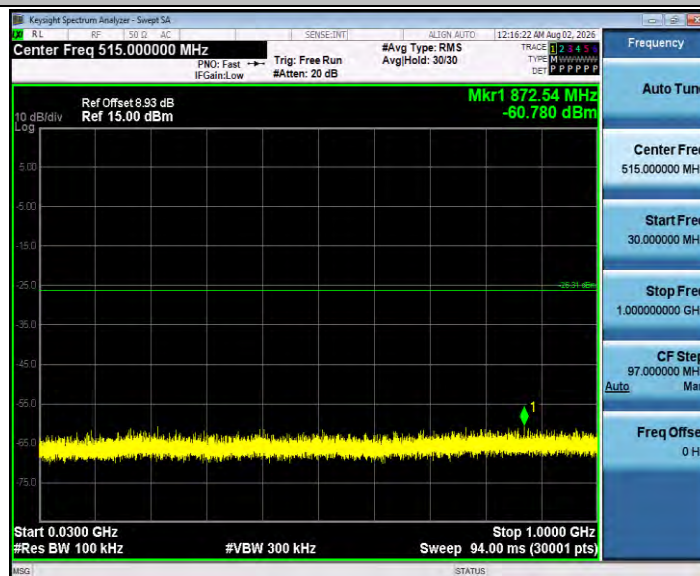
11G_Ant2_2462_1000~26500



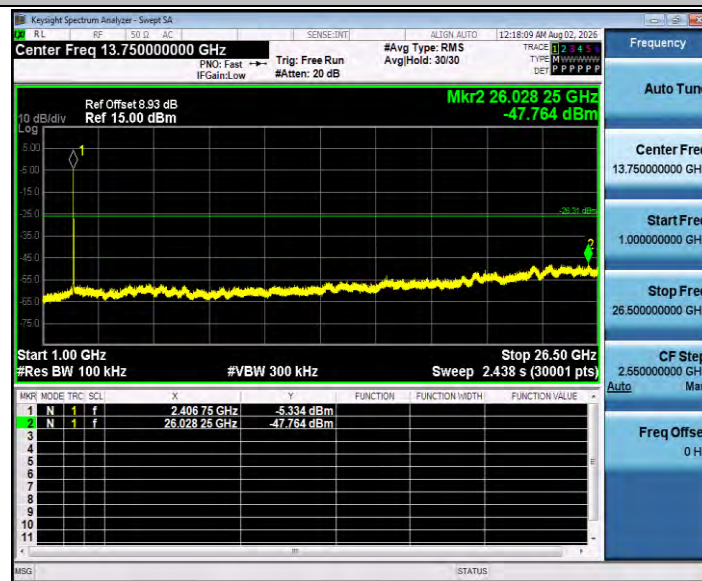
11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



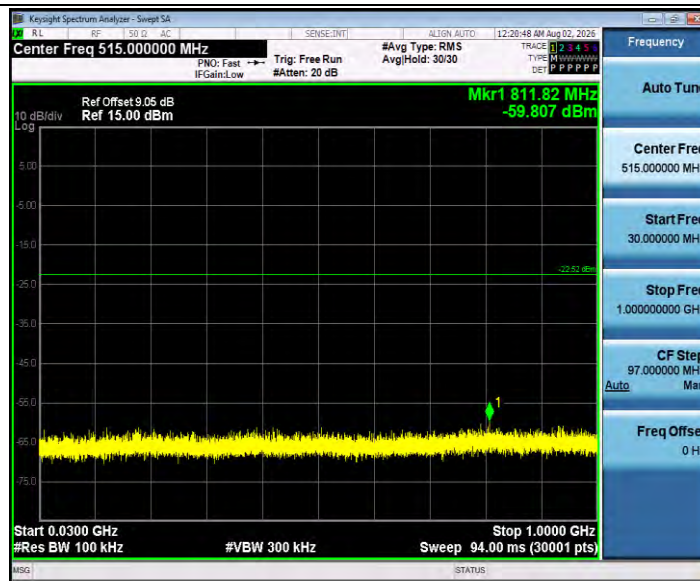
11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference



11N20SISO_Ant2_2437_30~1000

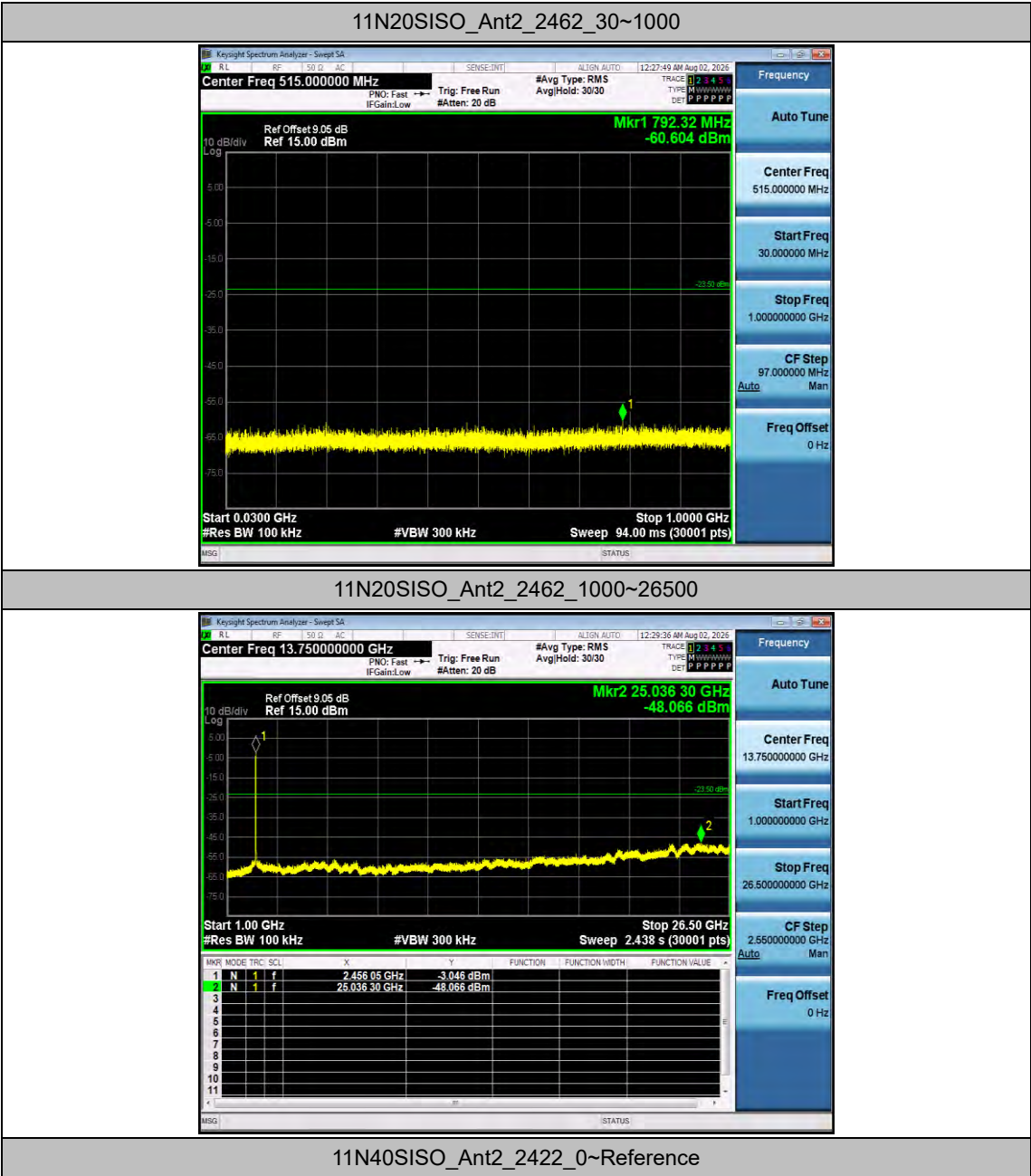


11N20SISO_Ant2_2437_1000~26500



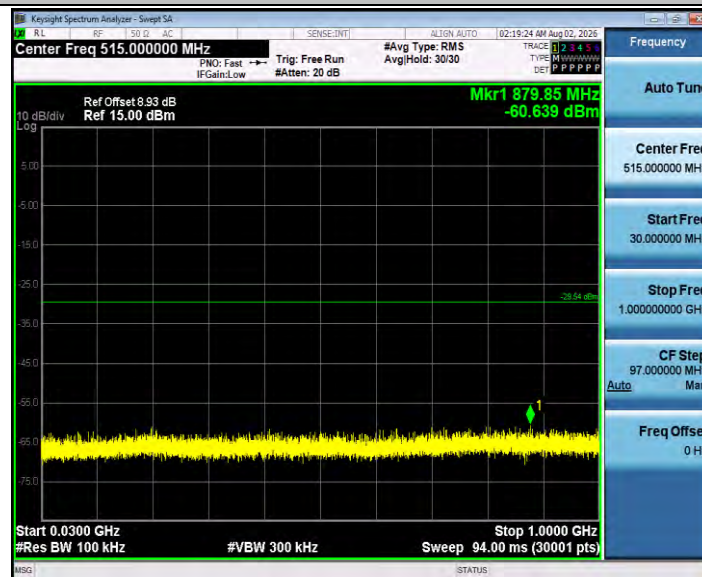
11N20SISO_Ant2_2462_0~Reference







11N40SISO_Ant2_2422_30~1000



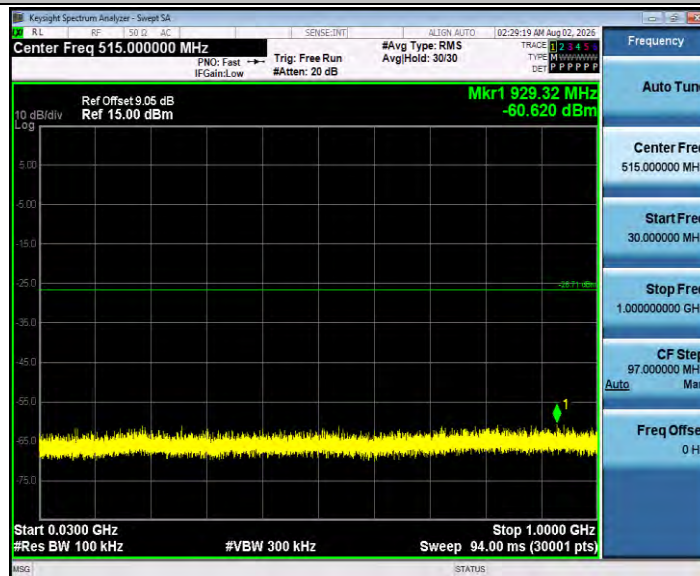
11N40SISO_Ant2_2422_1000~26500



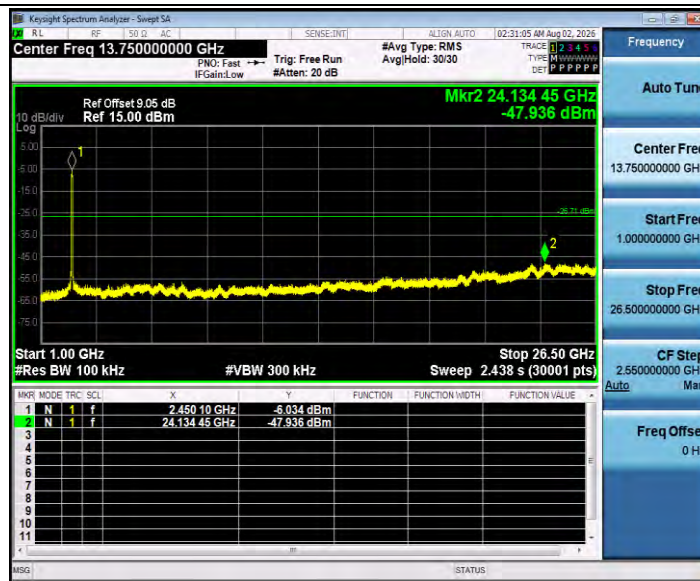
11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



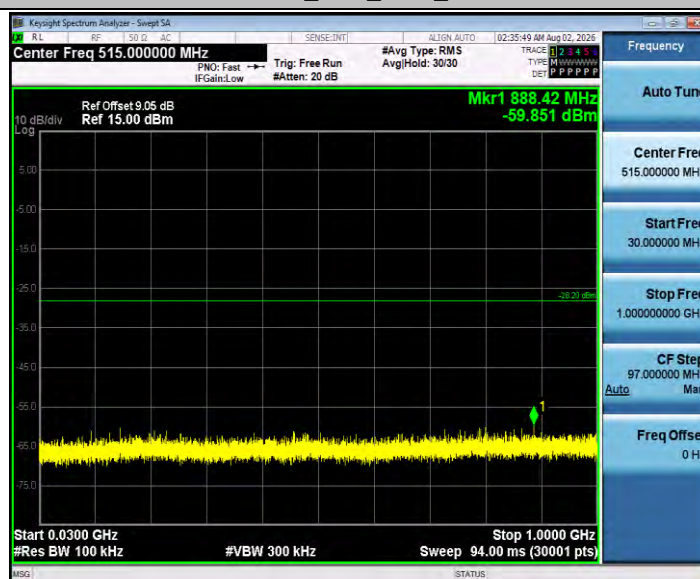
11N40SISO_Ant2_2437_1000~26500

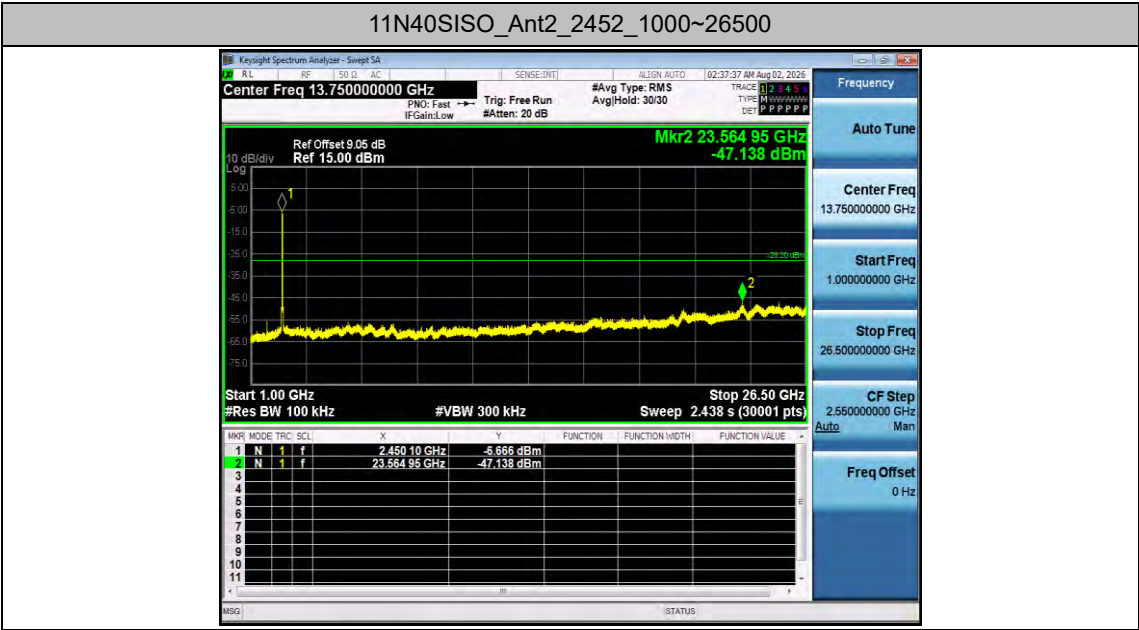


11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000



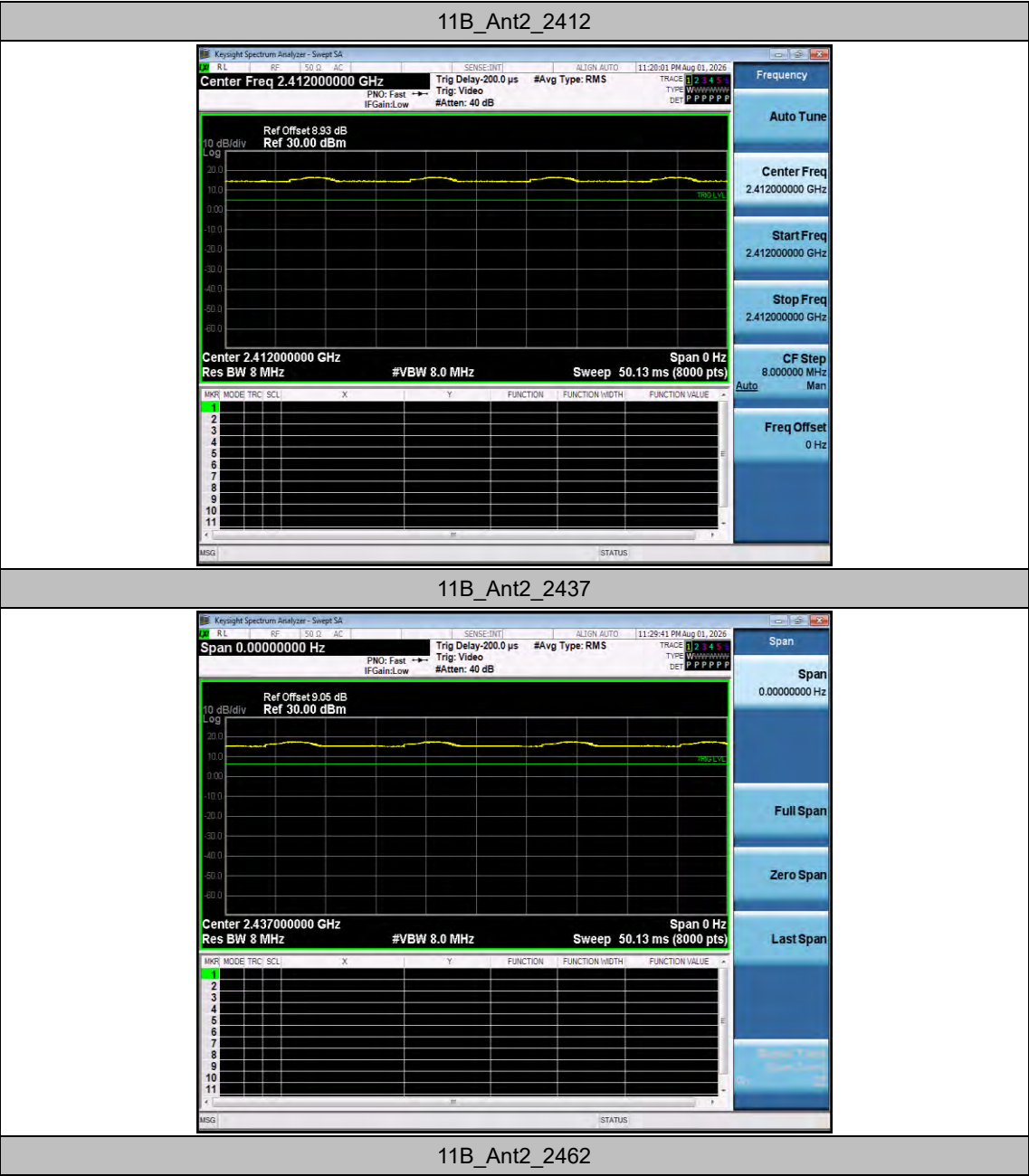


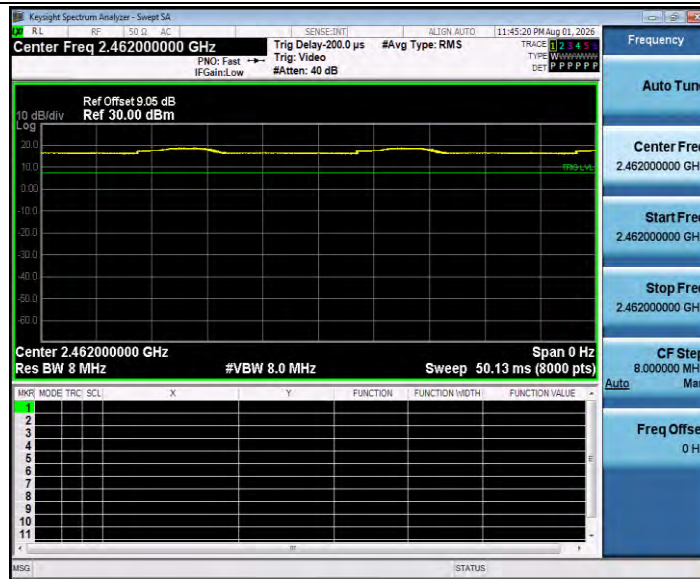
AppendixC.7: Duty Cycle

Test Result

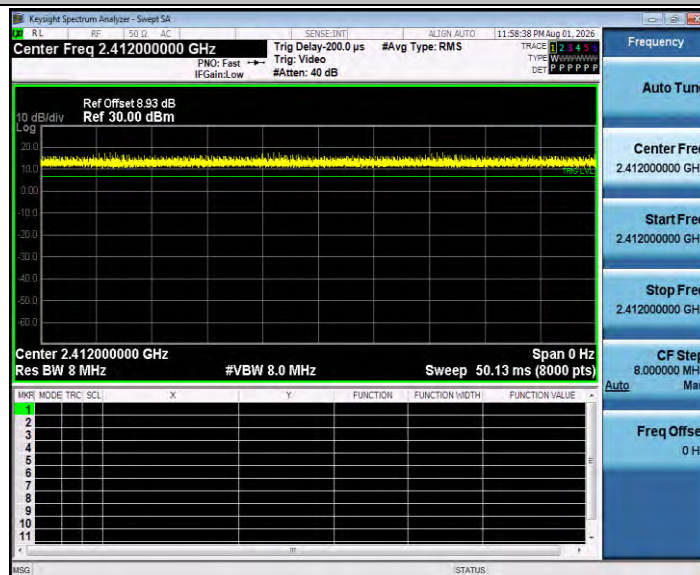
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant2	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11G	Ant2	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11N20SISO	Ant2	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11N40SISO	Ant2	2422	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2452	50.00	50.00	100.00	0.00	0.02

Test Graphs

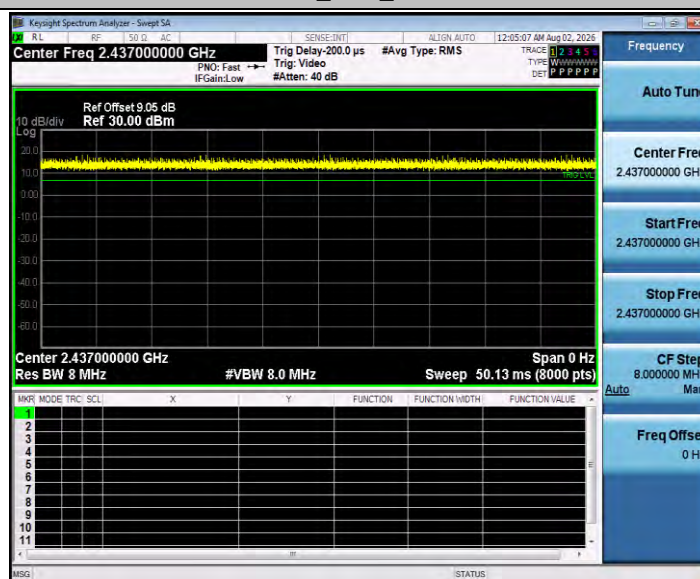




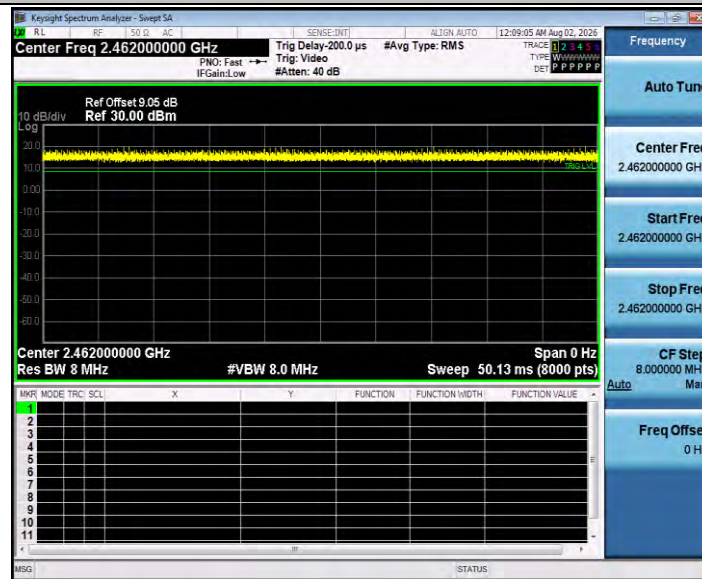
11G_Ant2_2412



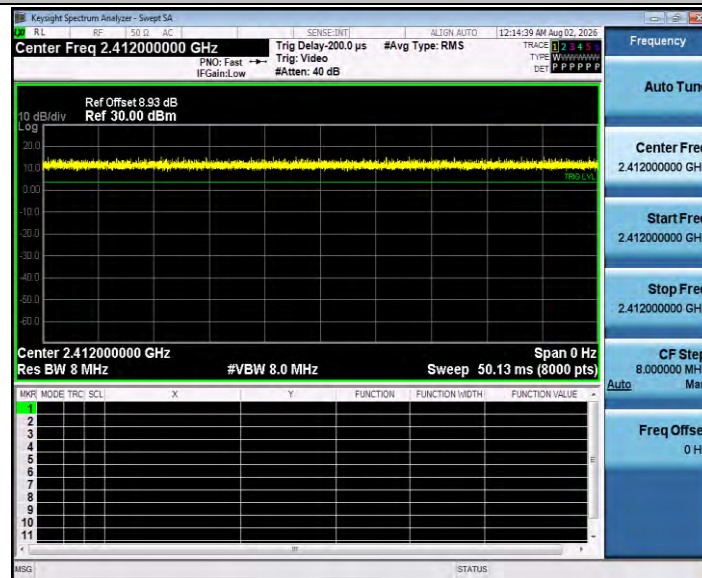
11G_Ant2_2437



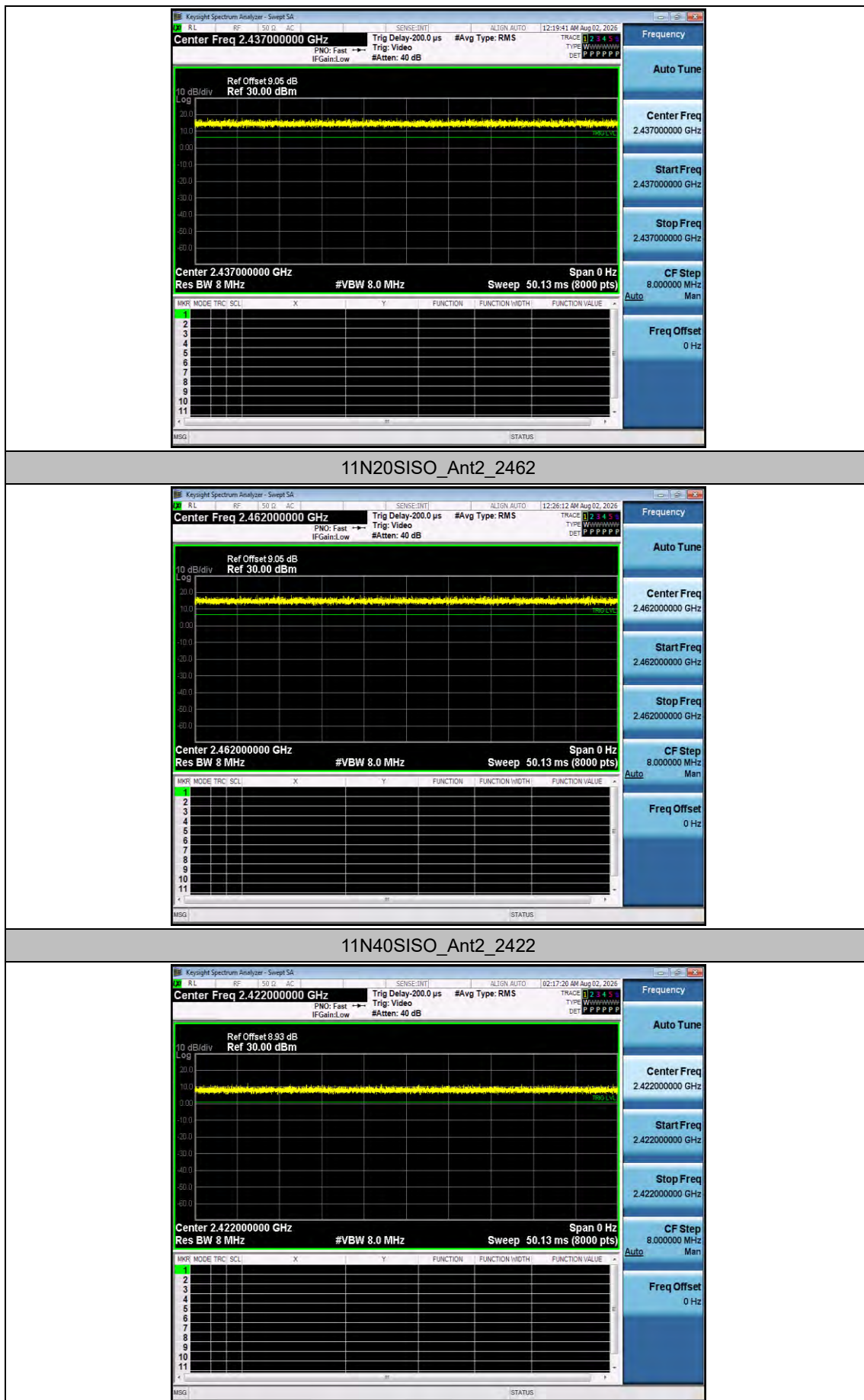
11G_Ant2_2462



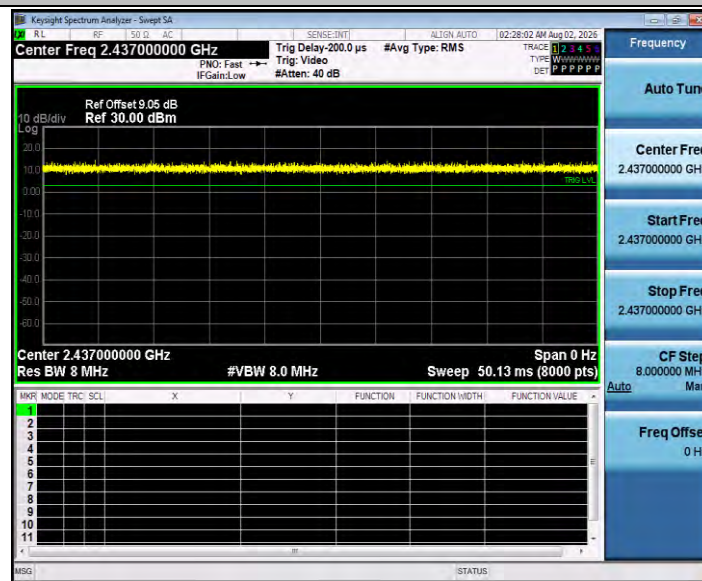
11N20SISO_Ant2_2412



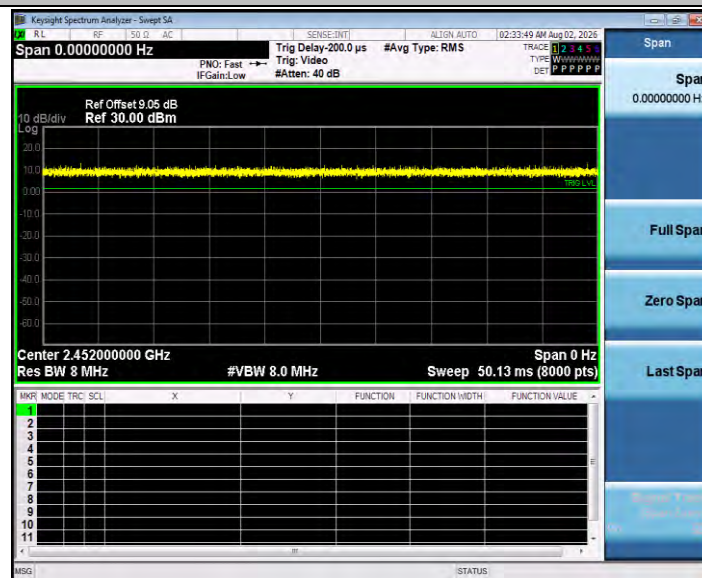
11N20SISO_Ant2_2437



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C.8: Emissions in Restricted Bands

Test Result

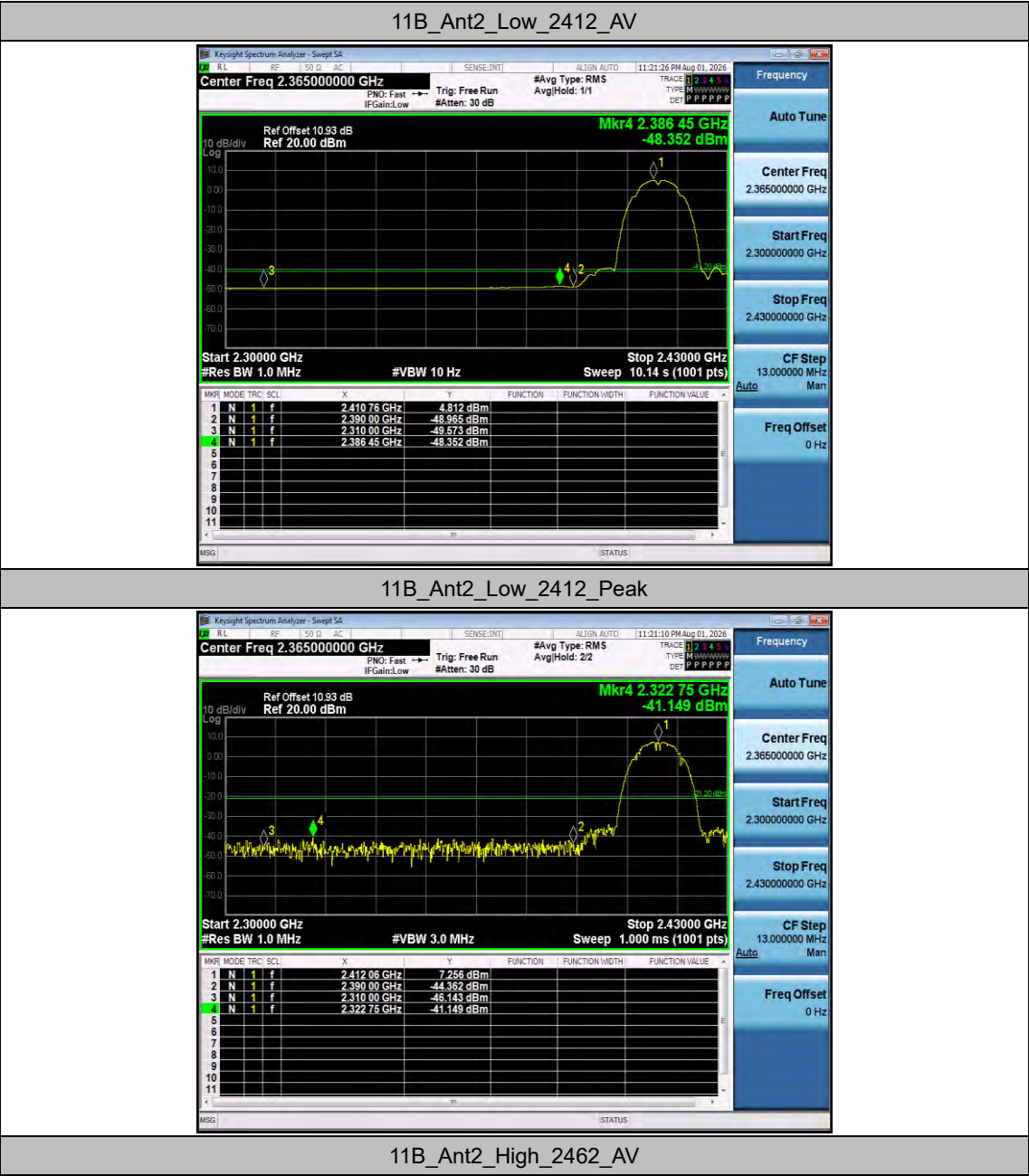
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant2	Low	2412	AV	2310.000	-49.57	≤-41.20	45.63	≤54	PASS
				AV	2386.450	-48.35	≤-41.20	46.85	≤54	PASS
				AV	2390.000	-48.97	≤-41.20	46.23	≤54	PASS
				Peak	2310.000	-46.14	≤-21.20	49.06	≤74	PASS
				Peak	2322.750	-41.15	≤-21.20	54.05	≤74	PASS
				Peak	2390.000	-44.36	≤-21.20	50.84	≤74	PASS
		High	2462	AV	2483.500	-48.14	≤-41.20	47.06	≤54	PASS
				AV	2487.520	-47.22	≤-41.20	47.98	≤54	PASS
				AV	2500.000	-48.49	≤-41.20	46.71	≤54	PASS
				Peak	2483.500	-46.33	≤-21.20	48.87	≤74	PASS
				Peak	2487.850	-40.11	≤-21.20	55.09	≤74	PASS
				Peak	2500.000	-48.64	≤-21.20	46.56	≤74	PASS
11G	Ant2	Low	2412	AV	2310.000	-49.07	≤-41.20	46.13	≤54	PASS
				AV	2389.960	-47.44	≤-41.20	47.76	≤54	PASS
				AV	2390.000	-47.44	≤-41.20	47.76	≤54	PASS
				Peak	2310.000	-49.54	≤-21.20	45.66	≤74	PASS
				Peak	2365.910	-39.54	≤-21.20	55.66	≤74	PASS
				Peak	2390.000	-50.59	≤-21.20	44.61	≤74	PASS
		High	2462	AV	2483.500	-45.88	≤-41.20	49.32	≤54	PASS
				AV	2483.560	-45.91	≤-41.20	49.29	≤54	PASS
				AV	2500.000	-48.2	≤-41.20	47.00	≤54	PASS
				Peak	2483.500	-44.22	≤-21.20	50.98	≤74	PASS
				Peak	2491.810	-38.91	≤-21.20	56.29	≤74	PASS
				Peak	2500.000	-40.87	≤-21.20	54.33	≤74	PASS
11N20SISO	Ant2	Low	2412	AV	2310.000	-49.5	≤-41.20	45.70	≤54	PASS
				AV	2389.700	-48.62	≤-41.20	46.58	≤54	PASS
				AV	2390.000	-48.63	≤-41.20	46.57	≤54	PASS
				Peak	2310.000	-48.43	≤-21.20	46.77	≤74	PASS
				Peak	2317.810	-40.74	≤-21.20	54.46	≤74	PASS
				Peak	2390.000	-44.39	≤-21.20	50.81	≤74	PASS
		High	2462	AV	2483.500	-45.93	≤-41.20	49.27	≤54	PASS
				AV	2483.560	-45.98	≤-41.20	49.22	≤54	PASS
				AV	2500.000	-48.21	≤-41.20	46.99	≤54	PASS
				Peak	2483.500	-42.7	≤-21.20	52.50	≤74	PASS
				Peak	2485.870	-39.77	≤-21.20	55.43	≤74	PASS
				Peak	2500.000	-50.72	≤-21.20	44.48	≤74	PASS

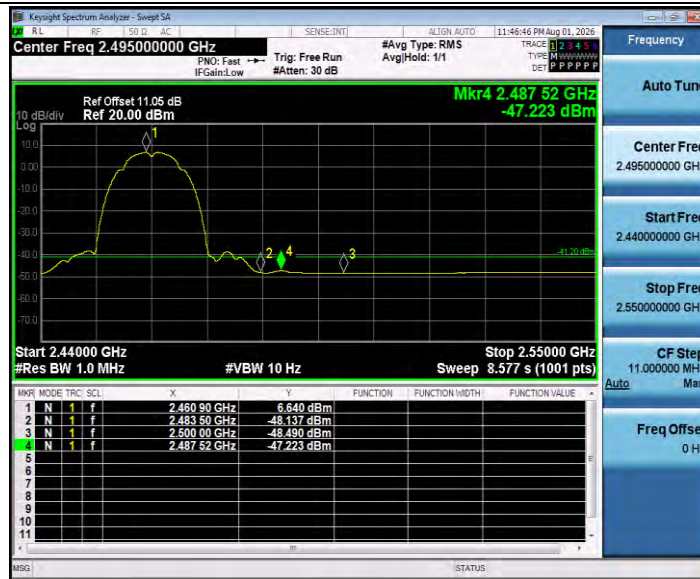
11N40SIS O	Ant2	Low	2422	AV	2310.000	-49.5	≤-41.20	45.70	≤54	PASS
				AV	2389.850	-48.04	≤-41.20	47.16	≤54	PASS
				AV	2390.000	-48.04	≤-41.20	47.16	≤54	PASS
				Peak	2310.000	-46.85	≤-21.20	48.35	≤74	PASS
				Peak	2388.200	-39.54	≤-21.20	55.66	≤74	PASS
				Peak	2390.000	-45.37	≤-21.20	49.83	≤74	PASS
		High	2452	AV	2483.500	-46.53	≤-41.20	48.67	≤54	PASS
				AV	2483.625	-46.54	≤-41.20	48.66	≤54	PASS
				AV	2500.000	-48.22	≤-41.20	46.98	≤54	PASS
				Peak	2483.500	-41.02	≤-21.20	54.18	≤74	PASS
				Peak	2488.375	-37.83	≤-21.20	57.37	≤74	PASS
				Peak	2500.000	-43.96	≤-21.20	51.24	≤74	PASS

Note:

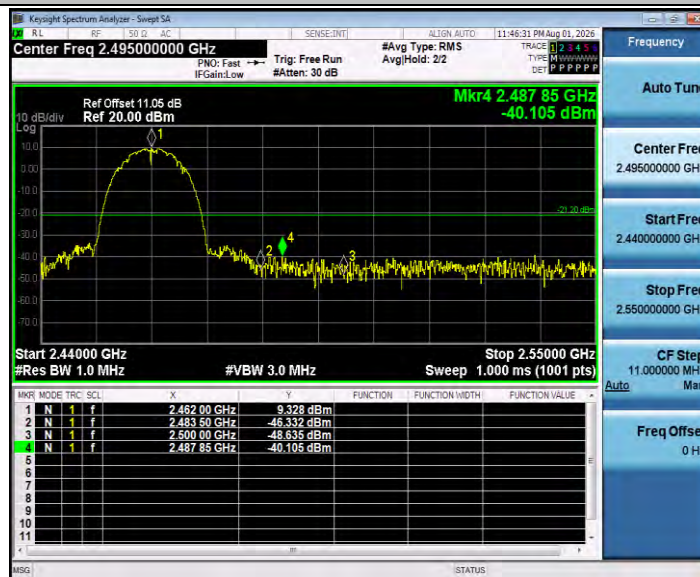
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

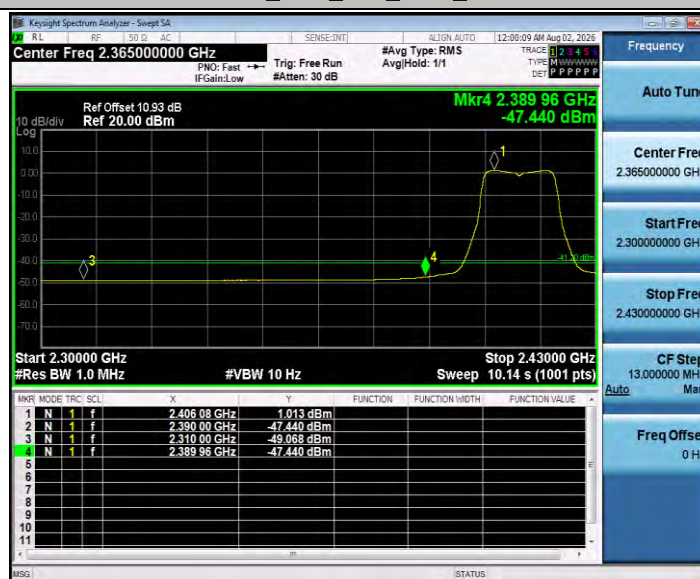




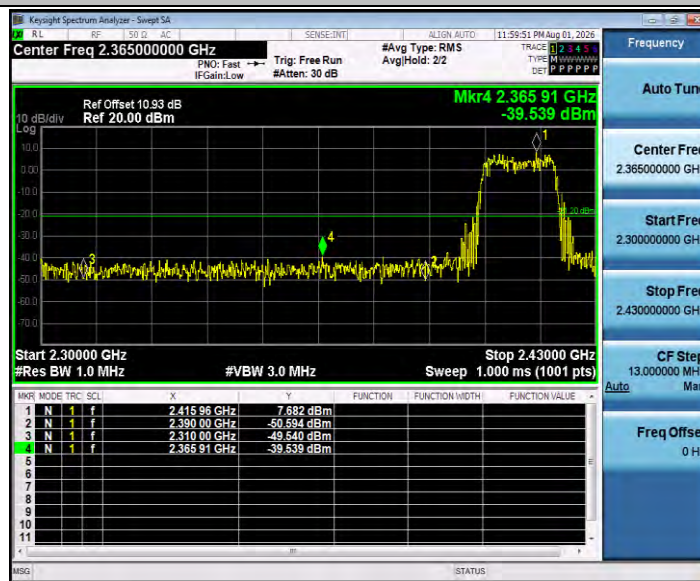
11B_Ant2_High_2462_Peak



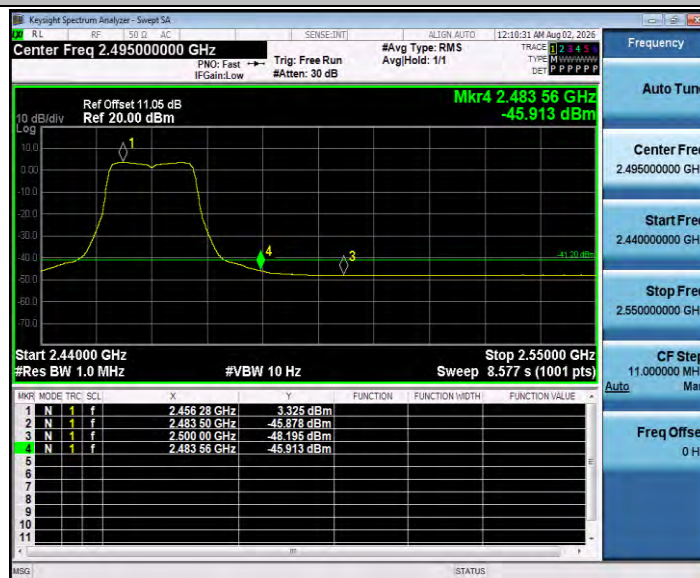
11G_Ant2_Low_2412_AV



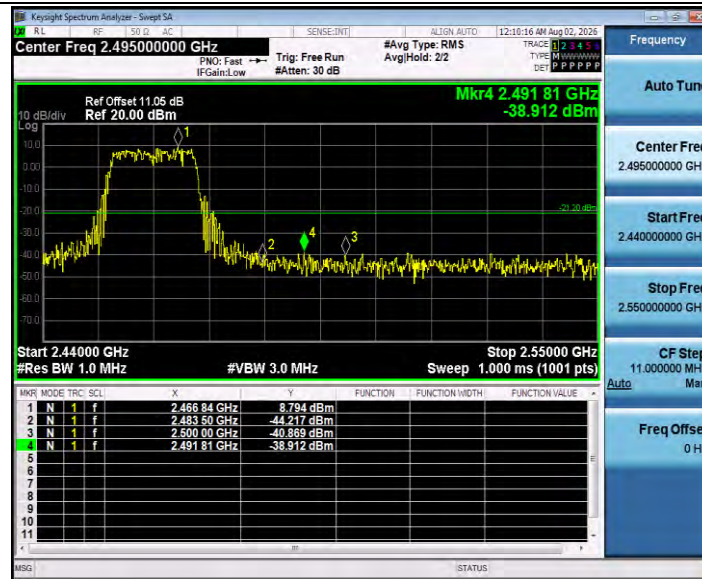
11G_Ant2_Low_2412_Peak



11G_Ant2_High_2462_AV



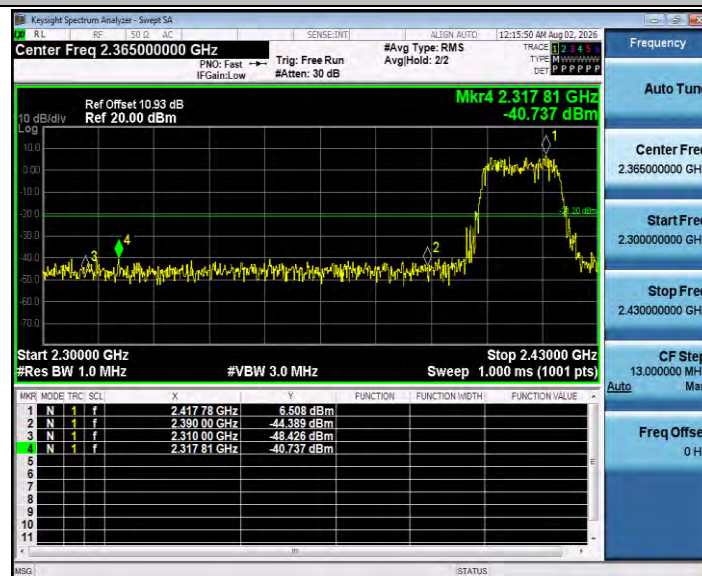
11G_Ant2_High_2462_Peak



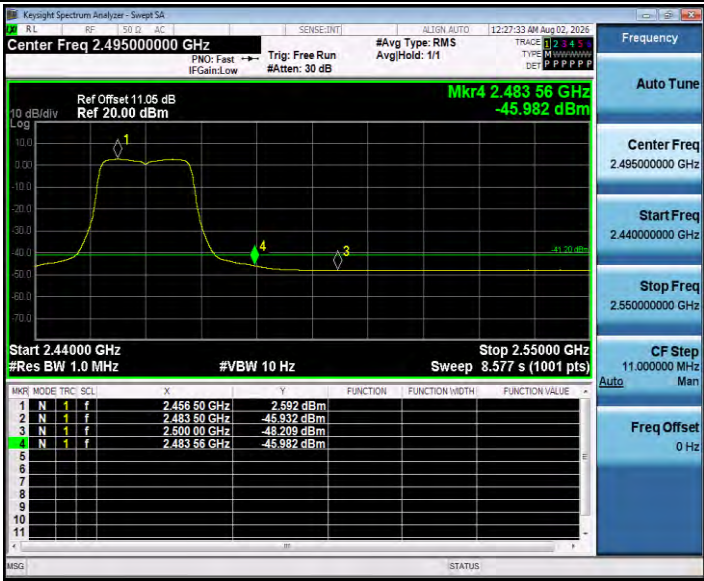
11N20SISO_Ant2_Low_2412_AV



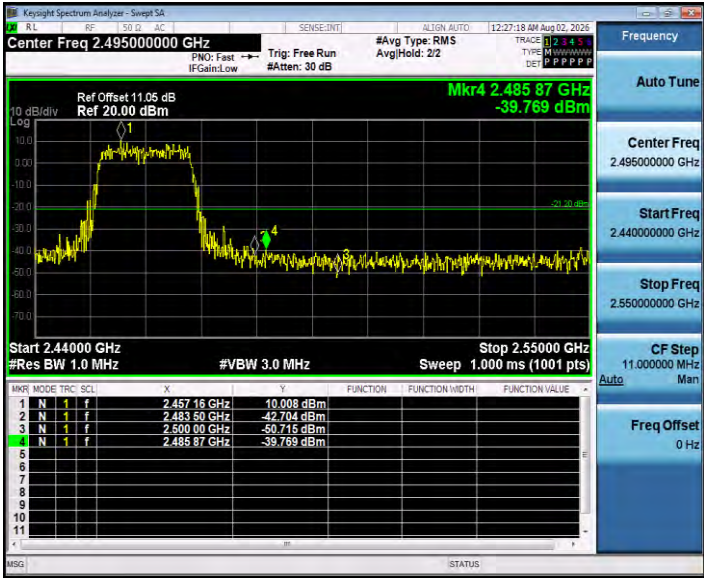
11N20SISO_Ant2_Low_2412_Peak



11N20SISO_Ant2_High_2462_AV



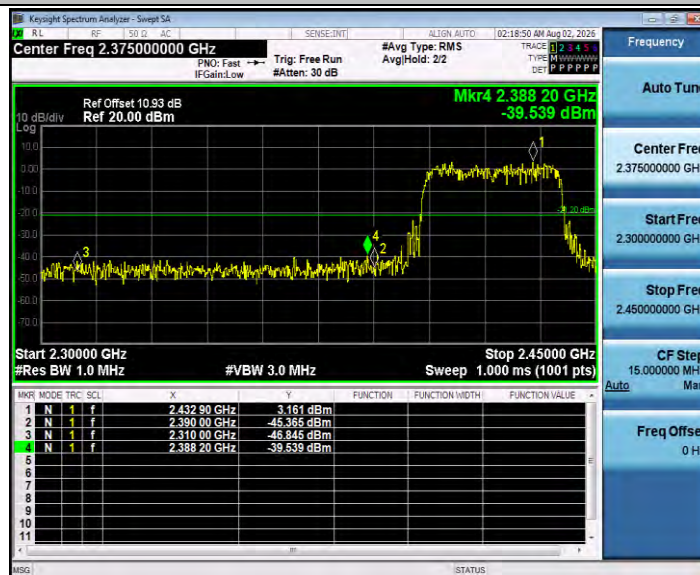
11N20SISO_Ant2_High_2462_Peak



11N40SISO_Ant2_Low_2422_AV



11N40SISO_Ant2_Low_2422_Peak



11N40SISO_Ant2_High_2452_AV

