

Case No. : <u>GTS20260718003-1-03</u>
Ambient Condition: <u>22°C, 48%RH,</u>
Test Date: <u>2026.7.24-2026.8.12</u> Test Engineer: <u>Evan ouyang</u>

AppendixC.1: DTS Bandwidth

Test Result

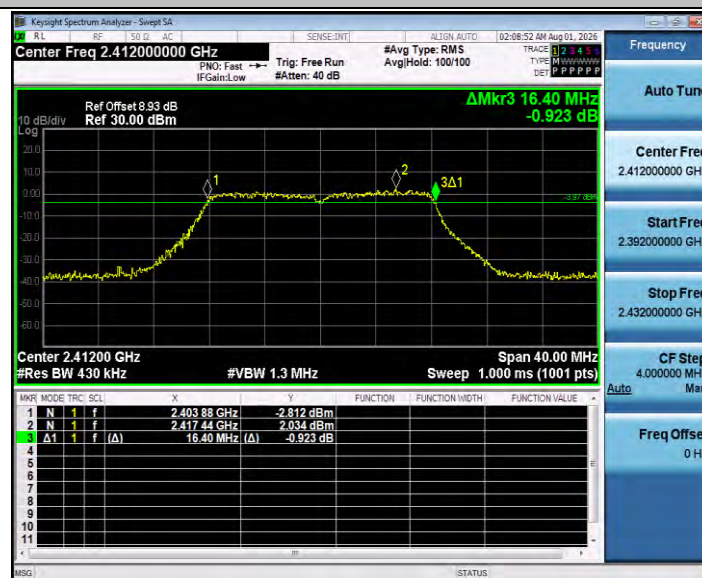
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.280	2406.880	2417.160	0.5	PASS
		2437	10.320	2431.840	2442.160	0.5	PASS
		2462	10.320	2456.840	2467.160	0.5	PASS
11G	Ant1	2412	16.400	2403.880	2420.280	0.5	PASS
		2437	16.520	2428.760	2445.280	0.5	PASS
		2462	16.400	2453.760	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.520	2403.240	2420.760	0.5	PASS
		2437	17.440	2428.280	2445.720	0.5	PASS
		2462	17.480	2453.280	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.240	2404.000	2440.240	0.5	PASS
		2437	36.240	2418.920	2455.160	0.5	PASS
		2452	36.160	2433.920	2470.080	0.5	PASS

Test Graphs





11G_Ant1_2412



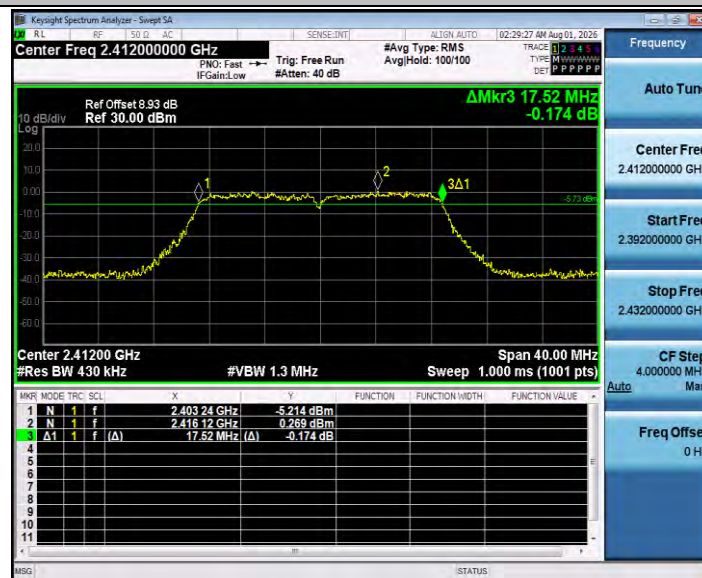
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



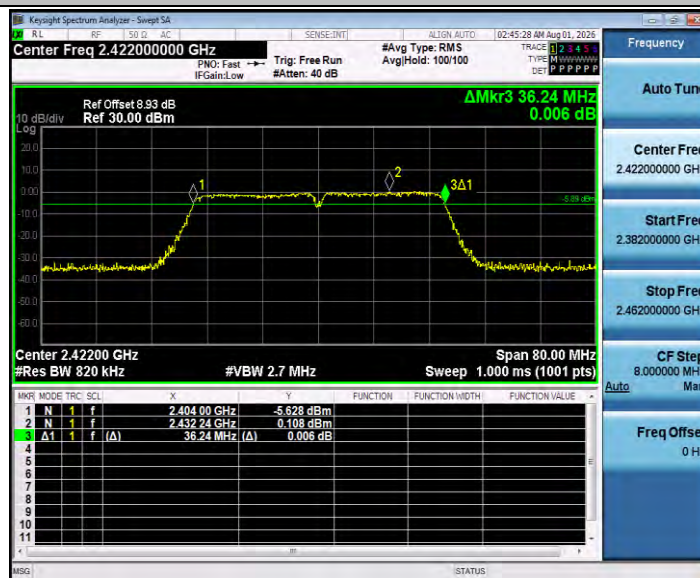
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



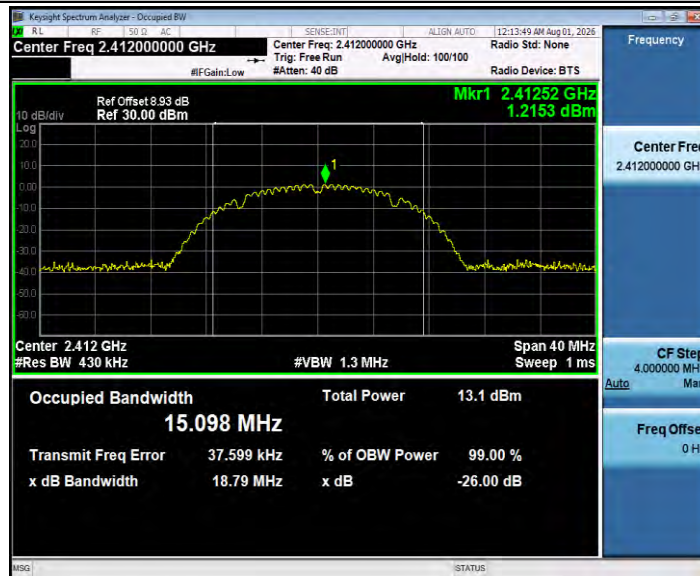
AppendixC.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.098	2404.4886	2419.5866	---	---
		2437	15.061	2429.4475	2444.5085	---	---
		2462	15.043	2454.4543	2469.4973	---	---
11G	Ant1	2412	16.962	2403.4847	2420.4467	---	---
		2437	16.906	2428.4698	2445.3758	---	---
		2462	16.971	2453.4085	2470.3795	---	---
11N20SISO	Ant1	2412	17.934	2403.0609	2420.9949	---	---
		2437	17.894	2428.0171	2445.9111	---	---
		2462	17.915	2453.0141	2470.9291	---	---
11N40SISO	Ant1	2422	36.364	2403.8871	2440.2511	---	---
		2437	36.363	2418.8476	2455.2106	---	---
		2452	36.424	2433.7971	2470.2211	---	---

Test Graphs

11B_Ant1_2412



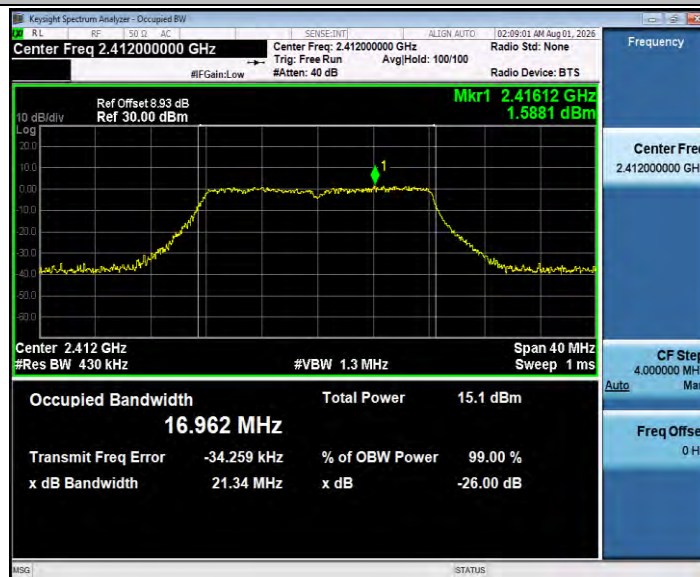
11B_Ant1_2437



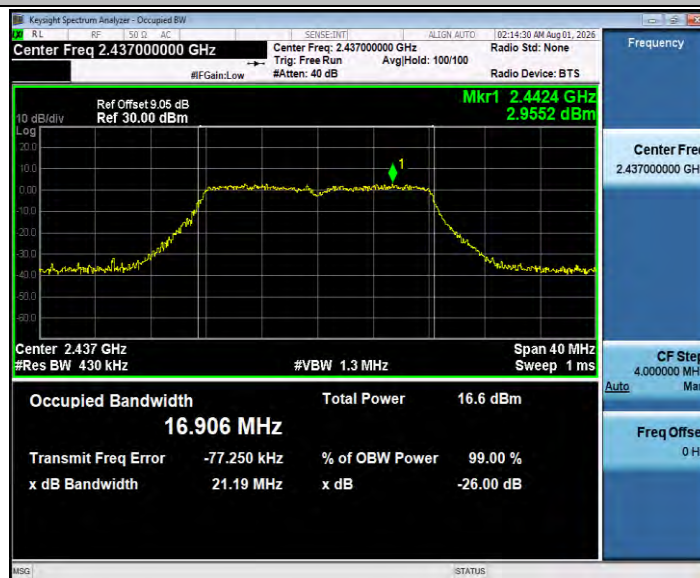
11B_Ant1_2462



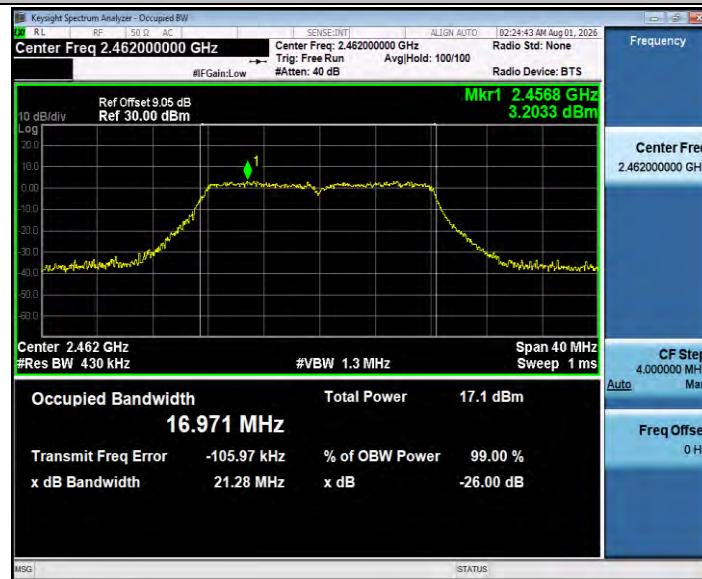
11G_Ant1_2412



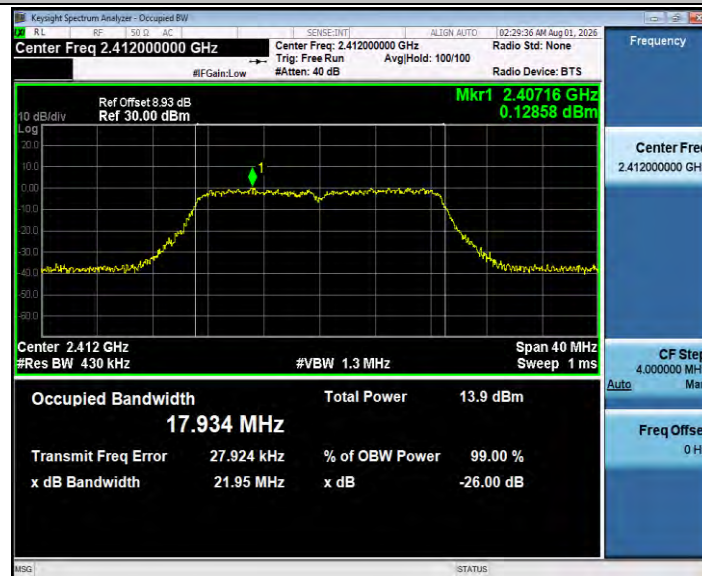
11G_Ant1_2437



11G_Ant1_2462



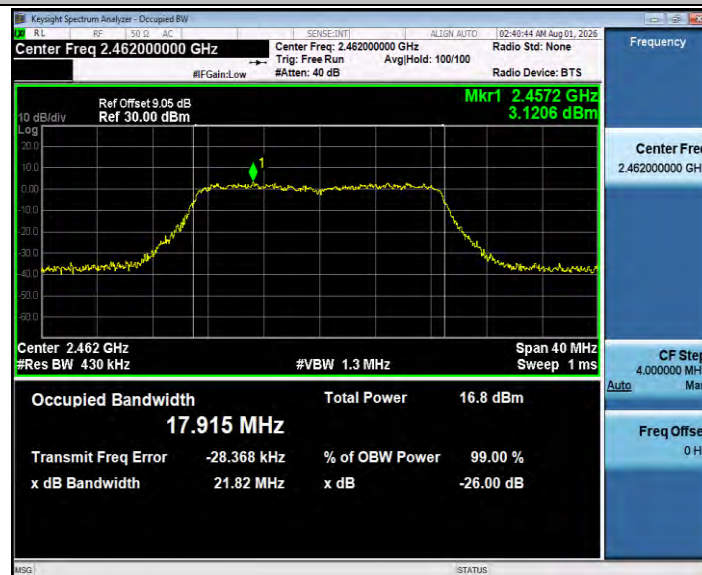
11N20SISO_Ant1_2412



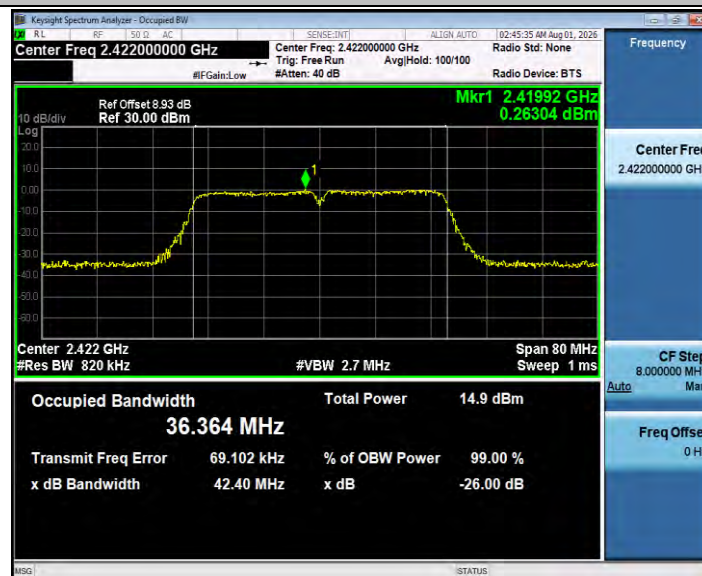
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



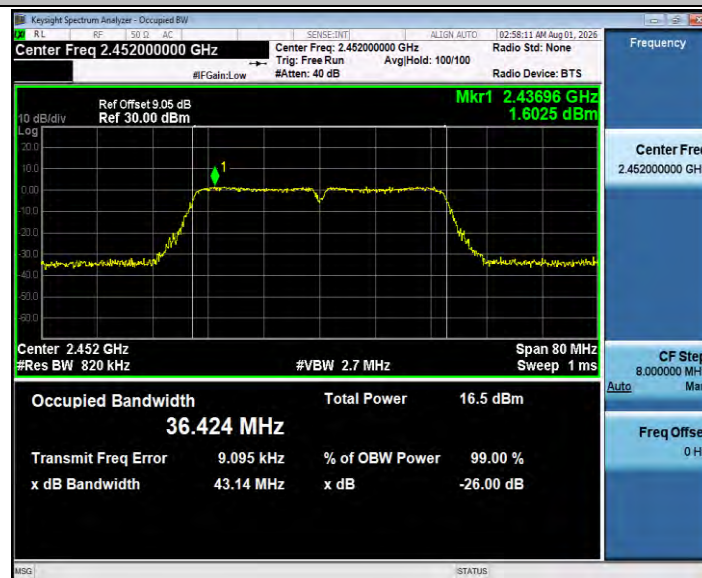
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



AppendixC.3: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.20	≤30.00	PASS
		2437	14.50	≤30.00	PASS
		2462	15.46	≤30.00	PASS
11G	Ant1	2412	16.21	≤30.00	PASS
		2437	17.62	≤30.00	PASS
		2462	18.15	≤30.00	PASS
11N20SISO	Ant1	2412	15.23	≤30.00	PASS
		2437	16.10	≤30.00	PASS
		2462	18.24	≤30.00	PASS
11N40SISO	Ant1	2422	15.17	≤30.00	PASS
		2437	17.68	≤30.00	PASS
		2452	16.78	≤30.00	PASS

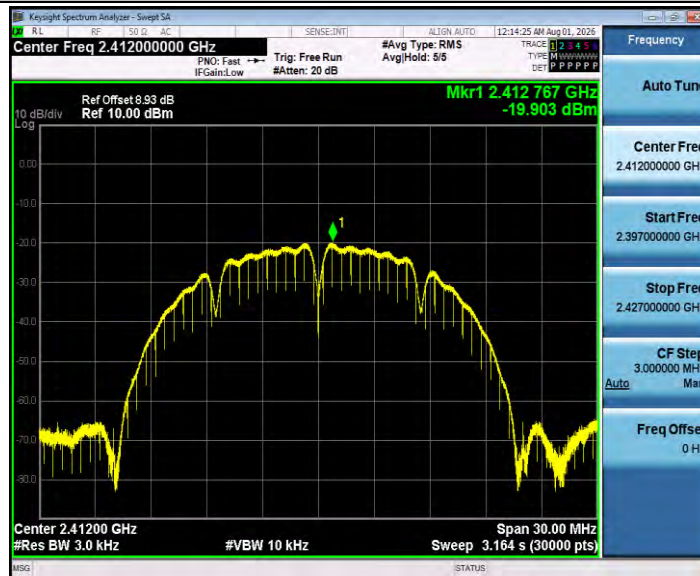
AppendixC.4: Maximum power spectral density

Test Result

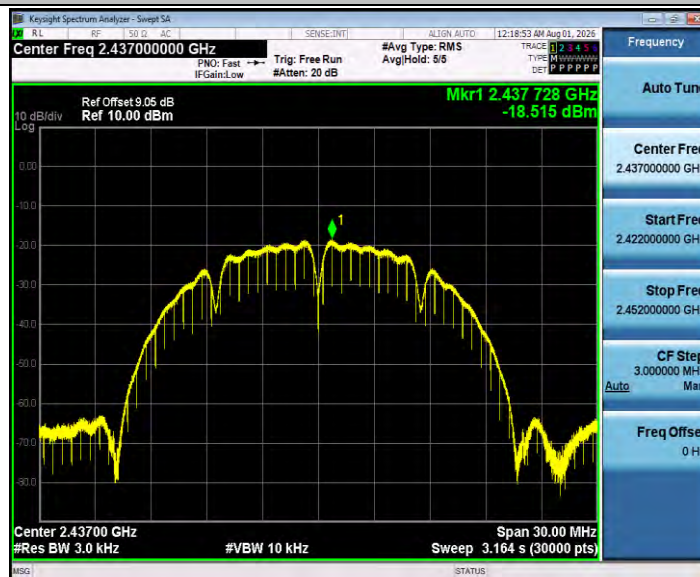
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.90	≤8.00	PASS
		2437	-18.52	≤8.00	PASS
		2462	-17.59	≤8.00	PASS
11G	Ant1	2412	-19.12	≤8.00	PASS
		2437	-17.69	≤8.00	PASS
		2462	-17.10	≤8.00	PASS
11N20SISO	Ant1	2412	-19.75	≤8.00	PASS
		2437	-19.27	≤8.00	PASS
		2462	-16.22	≤8.00	PASS
11N40SISO	Ant1	2422	-21.13	≤8.00	PASS
		2437	-18.98	≤8.00	PASS
		2452	-19.92	≤8.00	PASS

Test Graphs

11B_Ant1_2412



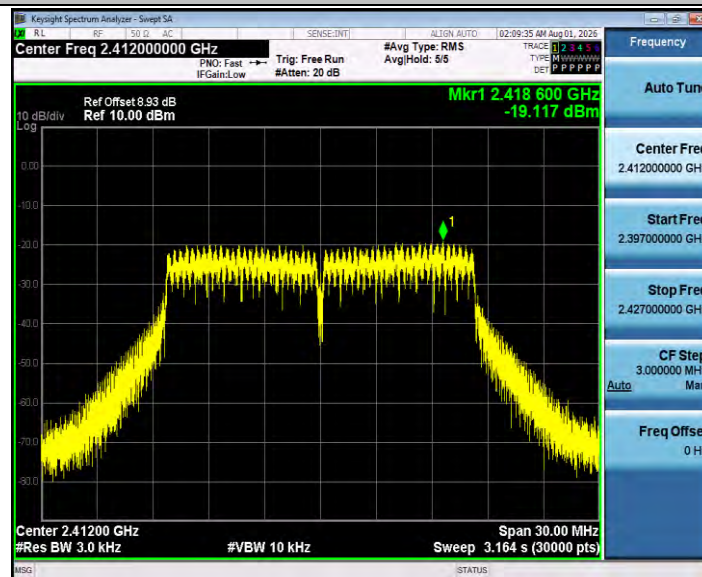
11B_Ant1_2437



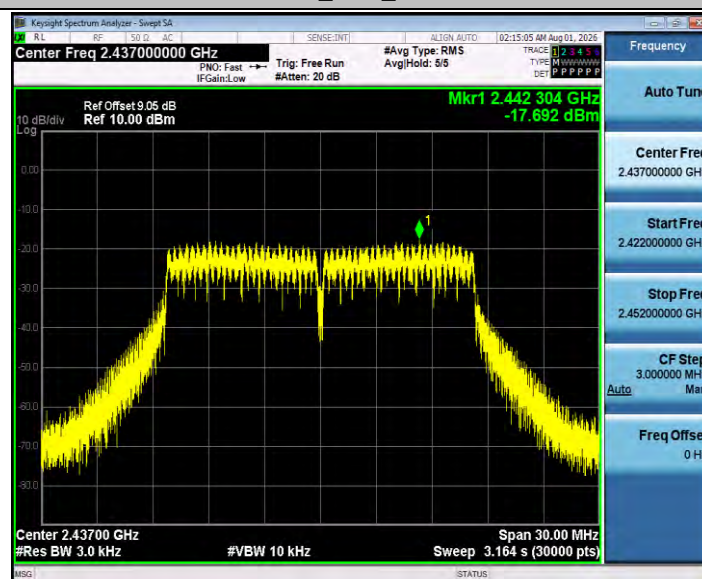
11B_Ant1_2462



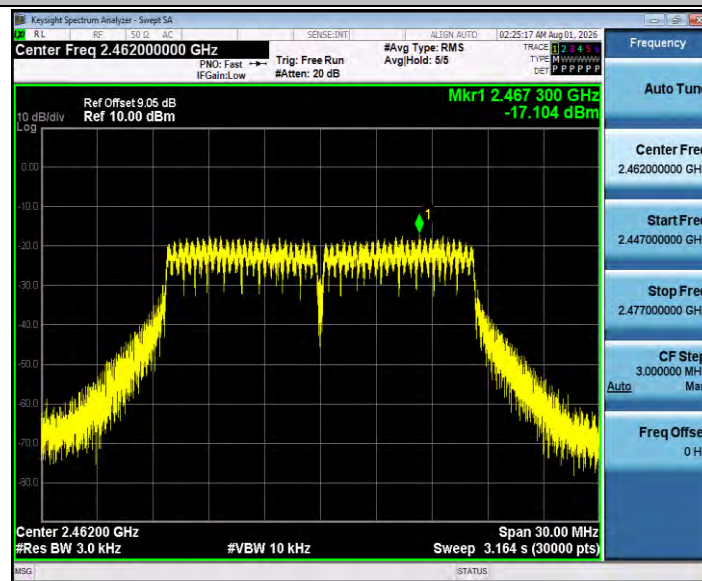
11G_Ant1_2412



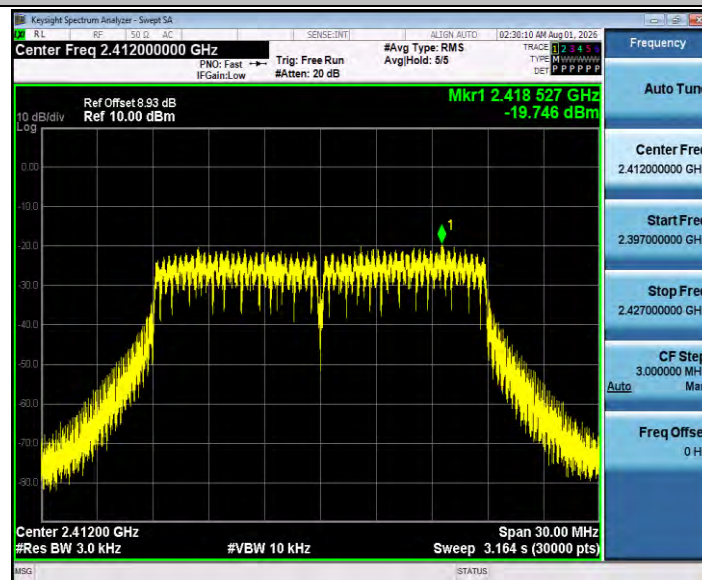
11G_Ant1_2437



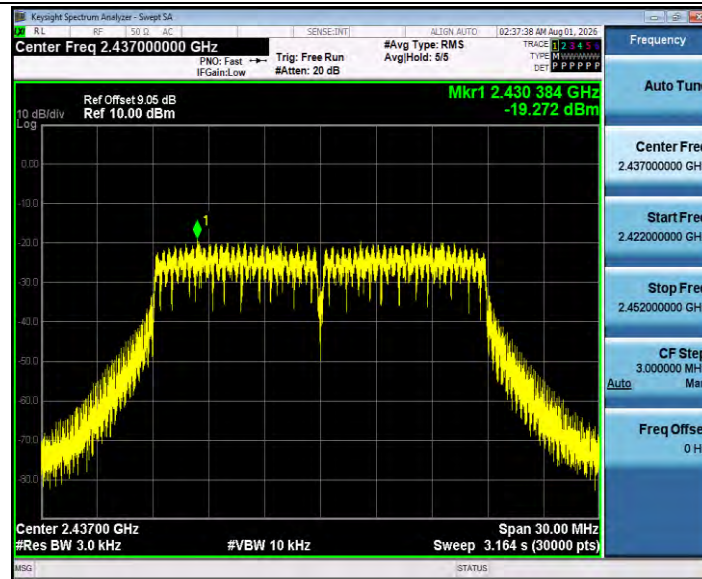
11G_Ant1_2462



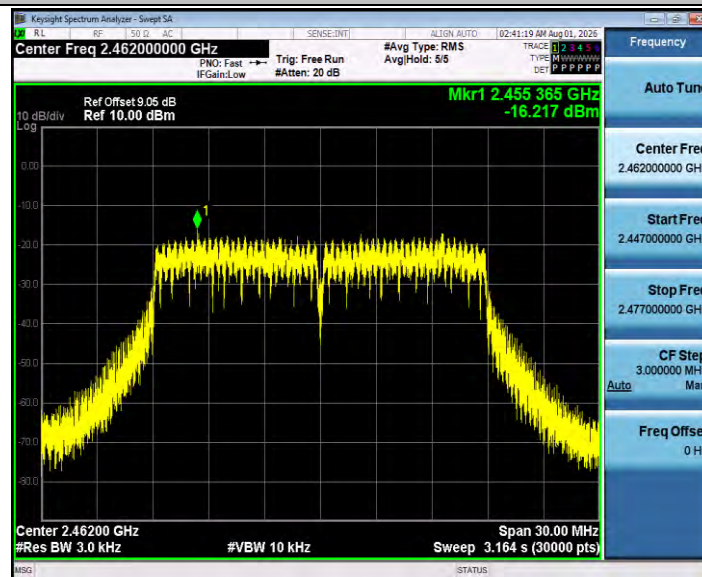
11N20SISO_Ant1_2412



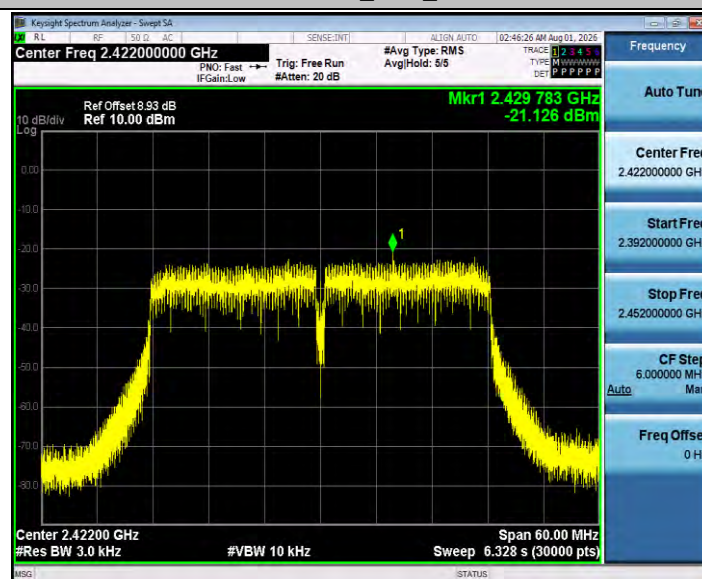
11N20SISO_Ant1_2437



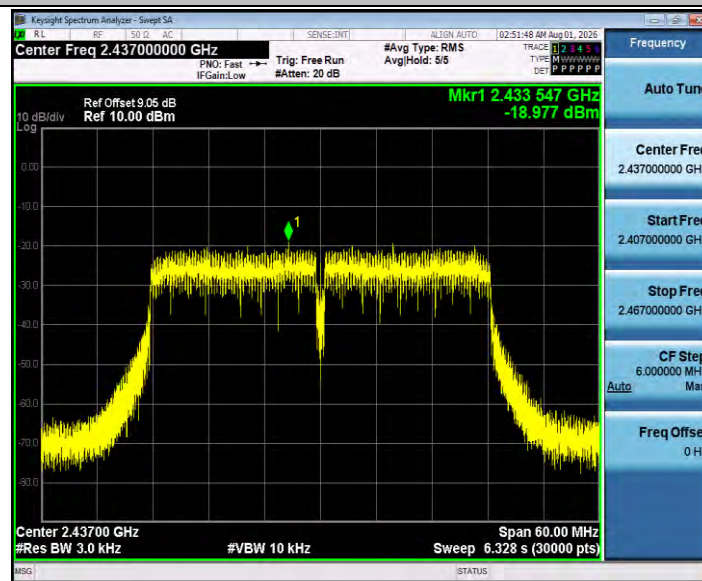
11N20SISO_Ant1_2462



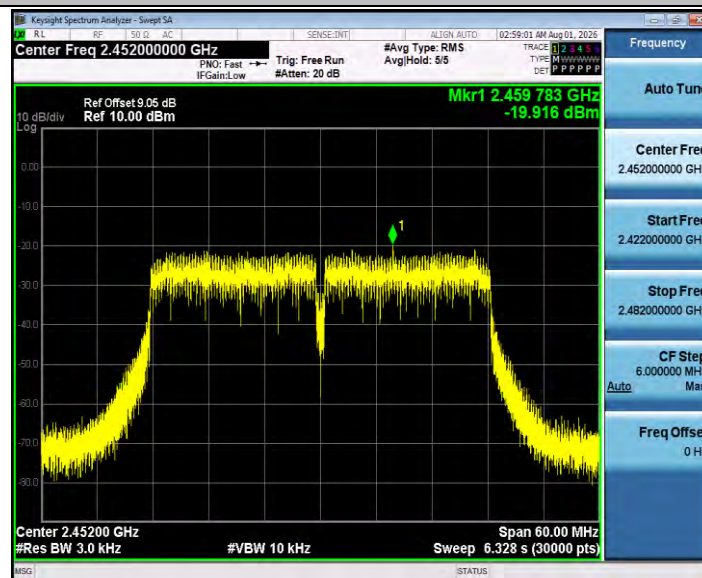
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



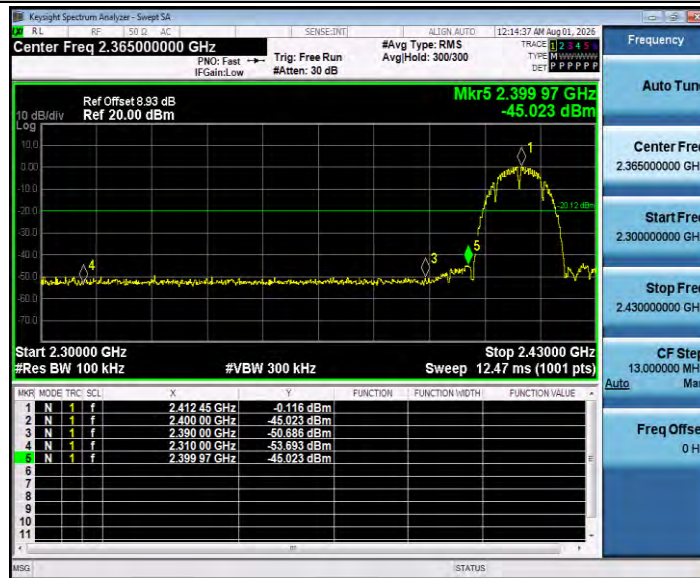
Appendix C.5: Band edge measurements

Test Result

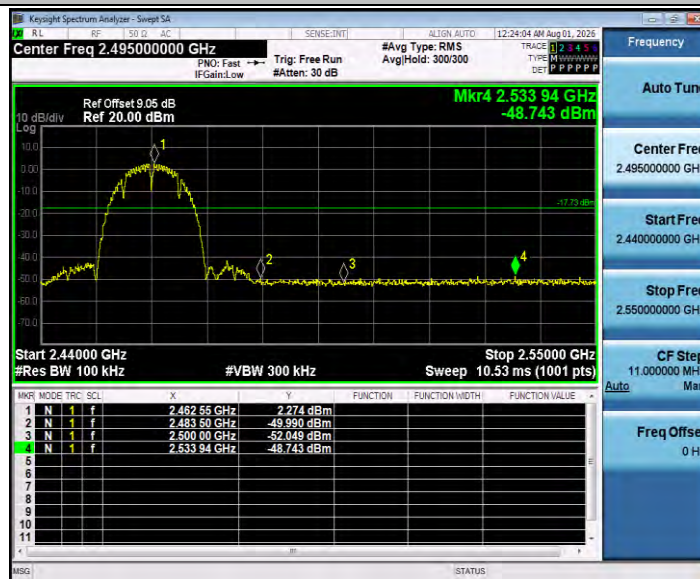
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.12	-45.02	≤ -20.12	PASS
		High	2462	2.27	-48.74	≤ -17.73	PASS
11G	Ant1	Low	2412	-4.64	-42.42	≤ -24.64	PASS
		High	2462	-2.70	-48.42	≤ -22.7	PASS
11N20SISO	Ant1	Low	2412	-6.11	-42.78	≤ -26.11	PASS
		High	2462	-3.10	-48.33	≤ -23.1	PASS
11N40SISO	Ant1	Low	2422	-9.06	-44.21	≤ -29.06	PASS
		High	2452	-7.47	-48.11	≤ -27.47	PASS

Test Graphs

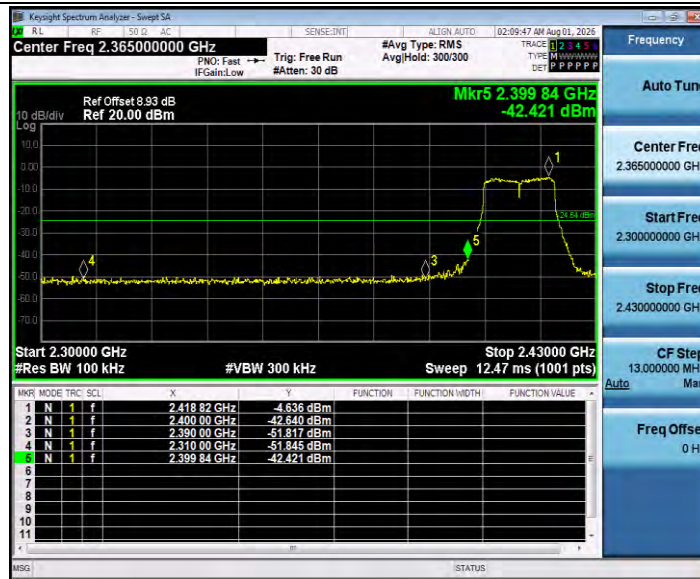
11B_Ant1_Low_2412



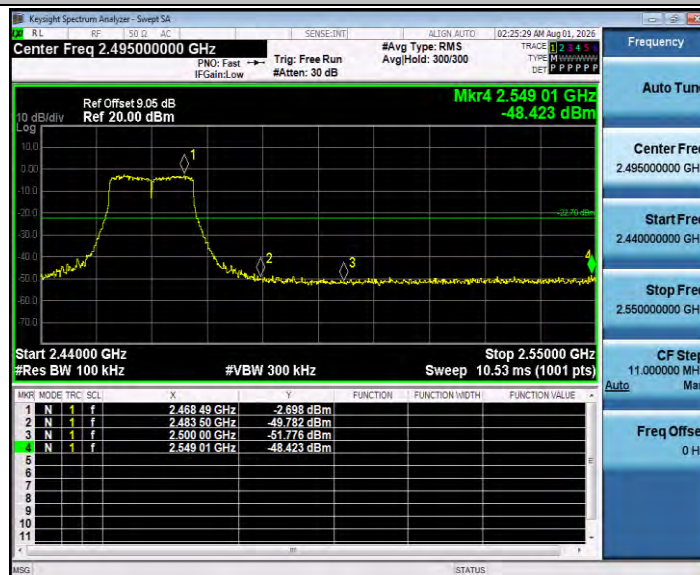
11B_Ant1_High_2462



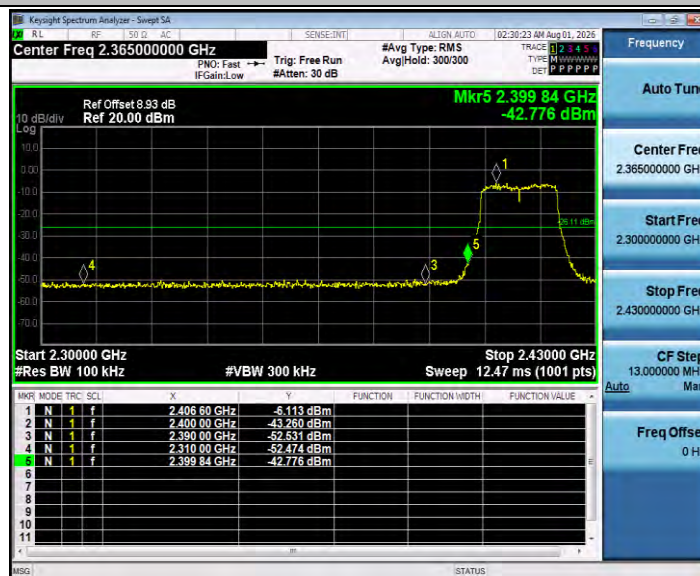
11G_Ant1_Low_2412



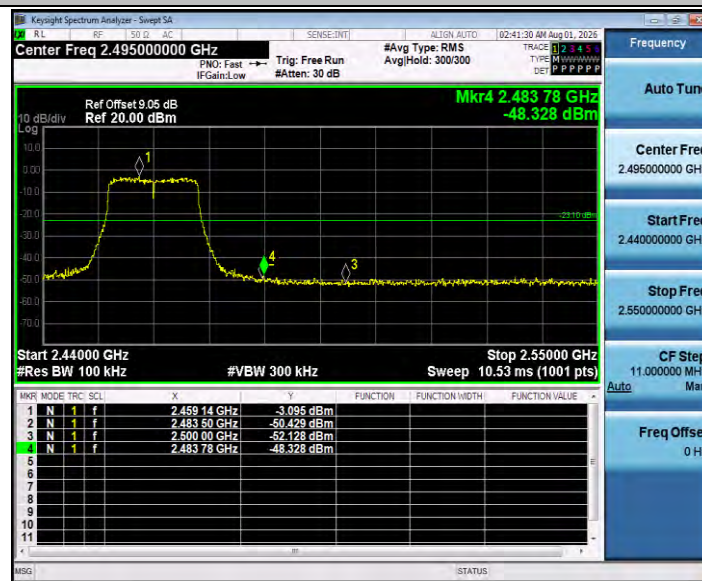
11G_Ant1_High_2462



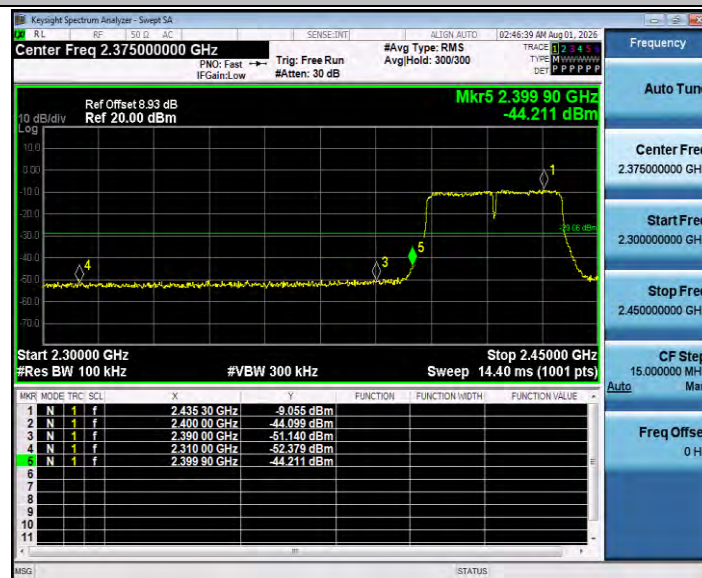
11N20SISO_Ant1_Low_2412



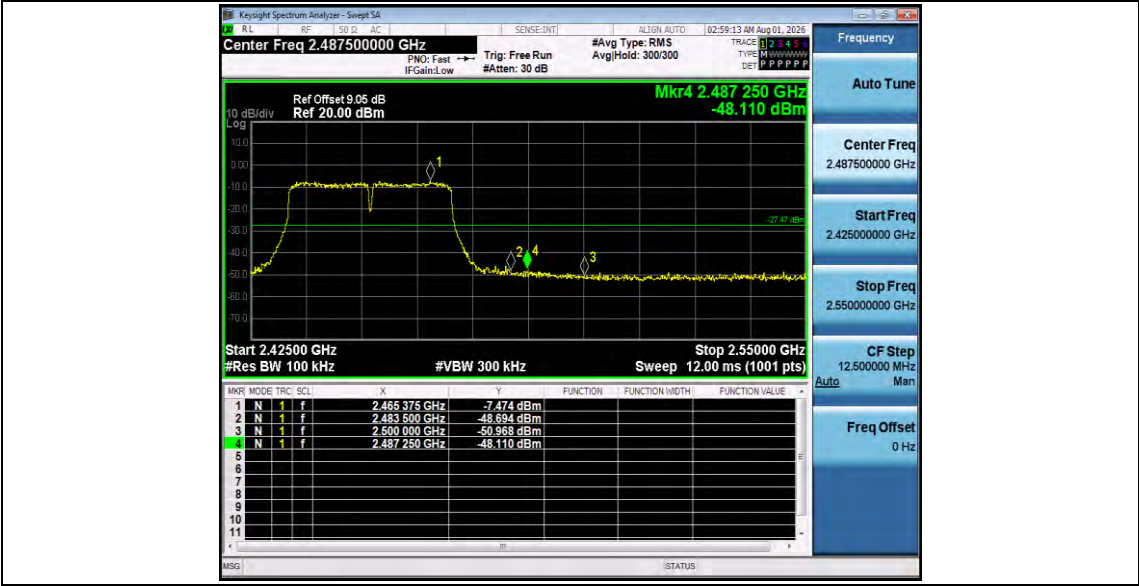
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

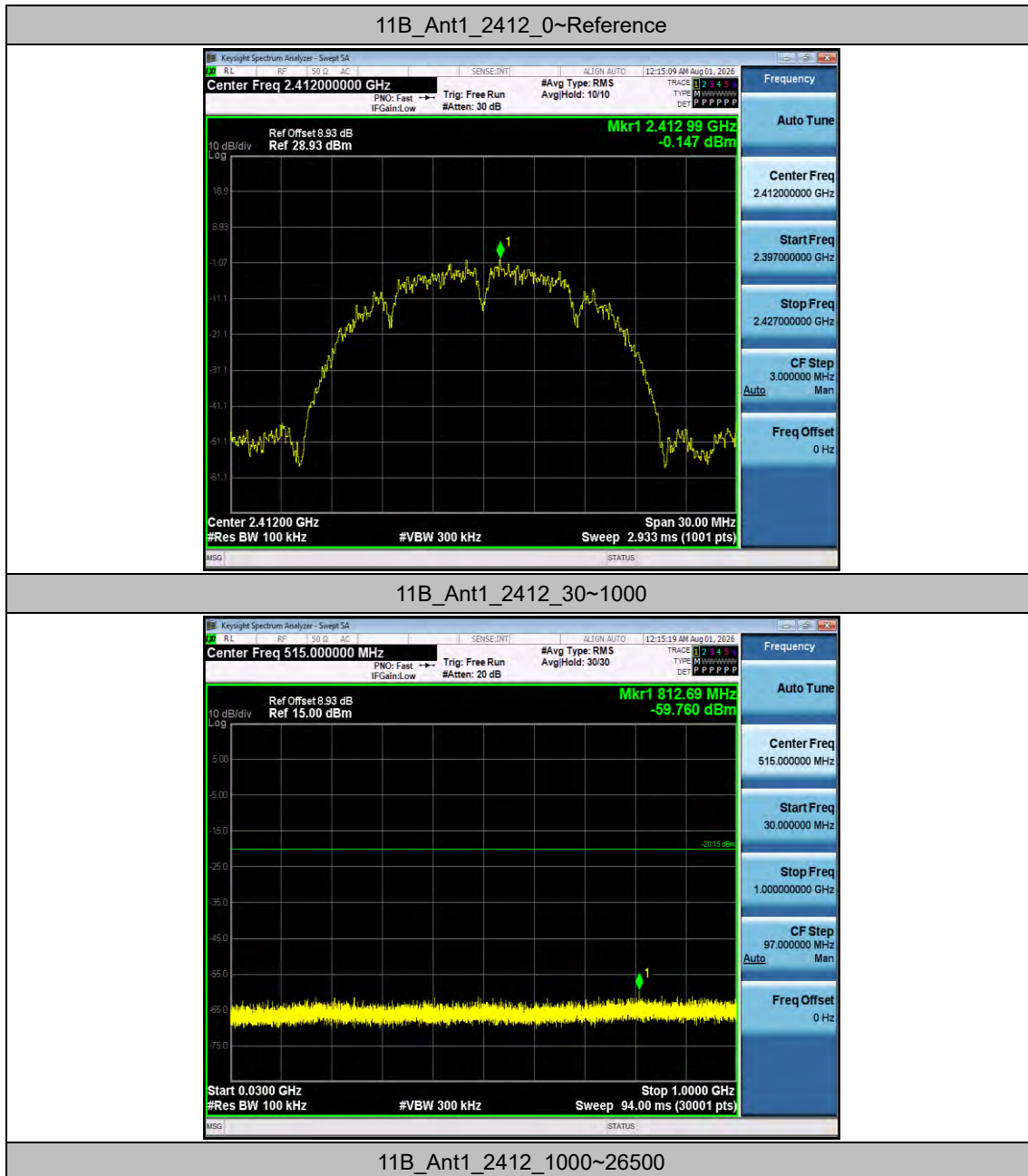


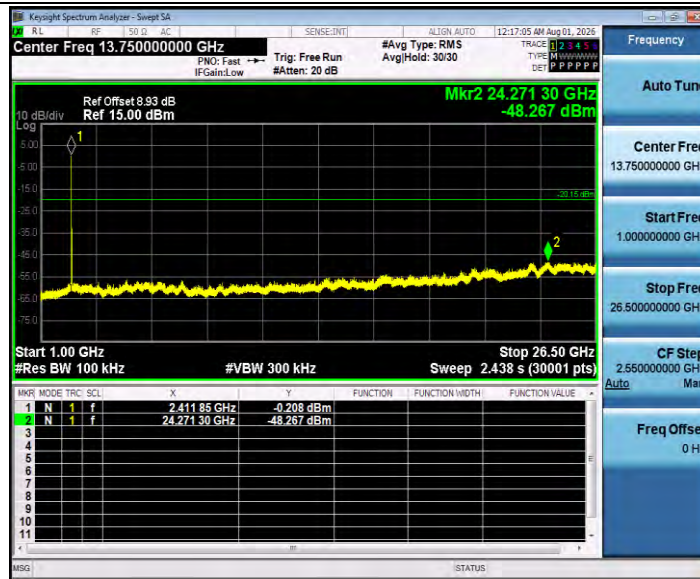
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.15	-0.15	---	PASS
			30~1000	-0.15	-59.76	≤ -20.15	PASS
			1000~26500	-0.15	-48.27	≤ -20.15	PASS
		2437	Reference	1.00	1.00	---	PASS
			30~1000	1.00	-59.26	≤ -19	PASS
			1000~26500	1.00	-47.69	≤ -19	PASS
		2462	Reference	2.14	2.14	---	PASS
			30~1000	2.14	-59.81	≤ -17.86	PASS
			1000~26500	2.14	-47.38	≤ -17.86	PASS
11G	Ant1	2412	Reference	-5.44	-5.44	---	PASS
			30~1000	-5.44	-60.48	≤ -25.44	PASS
			1000~26500	-5.44	-47.62	≤ -25.44	PASS
		2437	Reference	-3.79	-3.79	---	PASS
			30~1000	-3.79	-60	≤ -23.79	PASS
			1000~26500	-3.79	-46.65	≤ -23.79	PASS
		2462	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-60.31	≤ -23.66	PASS
			1000~26500	-3.66	-46.72	≤ -23.66	PASS
11N20SISO	Ant1	2412	Reference	-6.27	-6.27	---	PASS
			30~1000	-6.27	-60.6	≤ -26.27	PASS
			1000~26500	-6.27	-47.14	≤ -26.27	PASS
		2437	Reference	-5.81	-5.81	---	PASS
			30~1000	-5.81	-60.55	≤ -25.81	PASS
			1000~26500	-5.81	-46.99	≤ -25.81	PASS
		2462	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-60.19	≤ -23.29	PASS
			1000~26500	-3.29	-47.02	≤ -23.29	PASS
11N40SISO	Ant1	2422	Reference	-9.63	-9.63	---	PASS
			30~1000	-9.63	-59.83	≤ -29.63	PASS
			1000~26500	-9.63	-47.28	≤ -29.63	PASS
		2437	Reference	-7.19	-7.19	---	PASS
			30~1000	-7.19	-60.64	≤ -27.19	PASS
			1000~26500	-7.19	-47.17	≤ -27.19	PASS
		2452	Reference	-8.28	-8.28	---	PASS
			30~1000	-8.28	-58.83	≤ -28.28	PASS
			1000~26500	-8.28	-47.69	≤ -28.28	PASS

Test Graphs

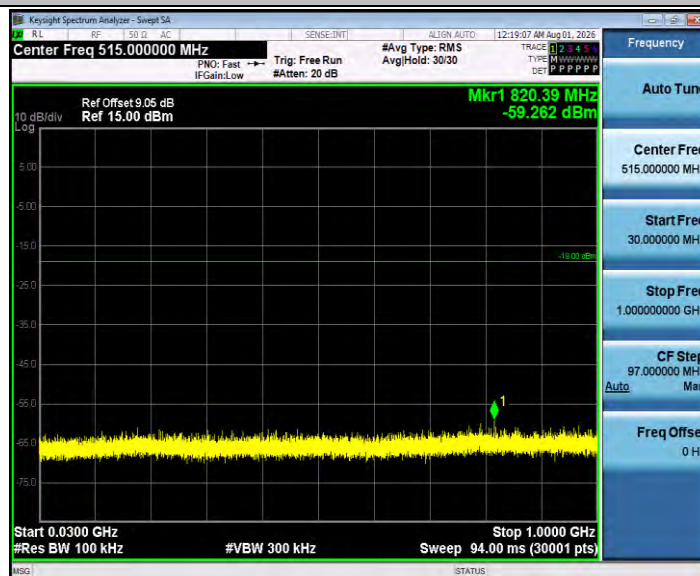




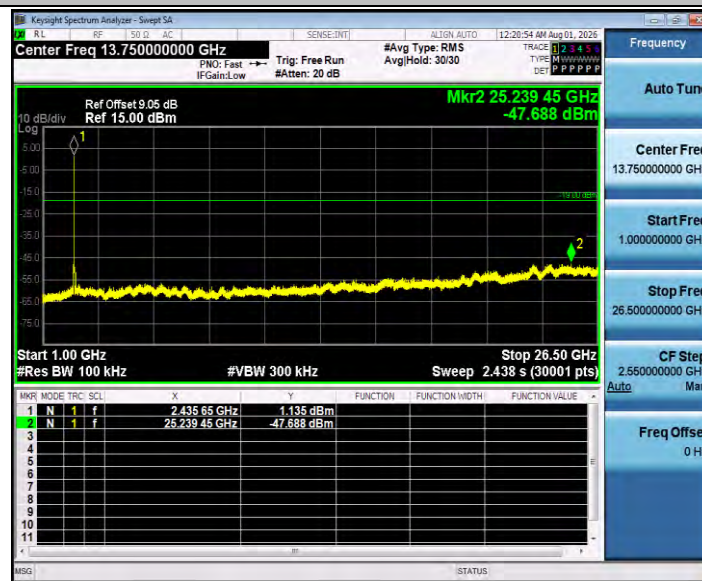
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



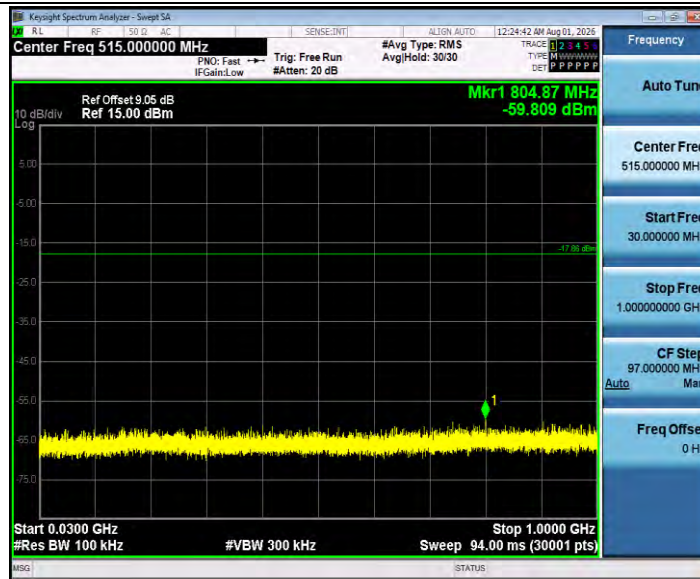
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



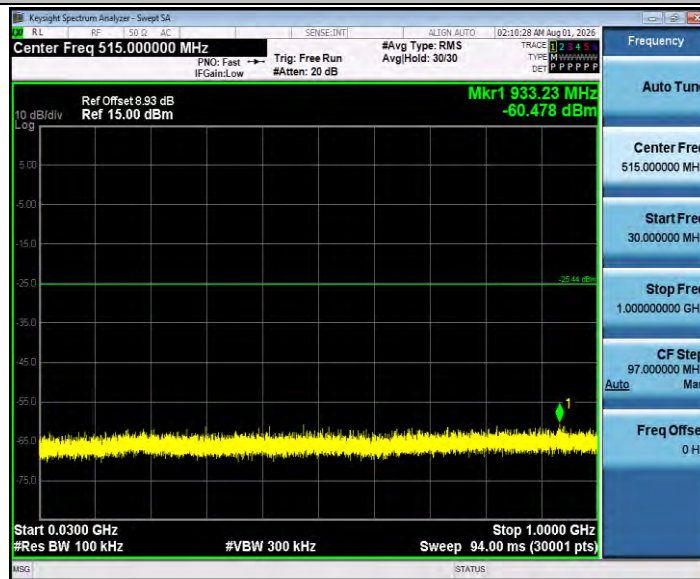
11B_Ant1_2462_1000~26500



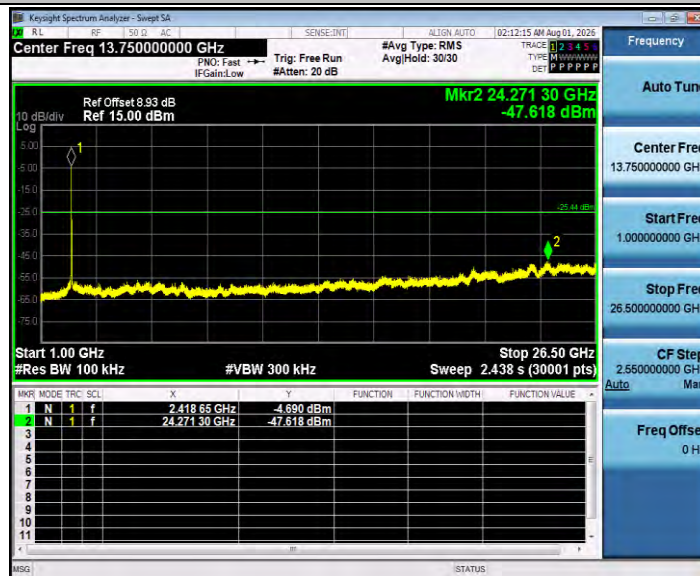
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



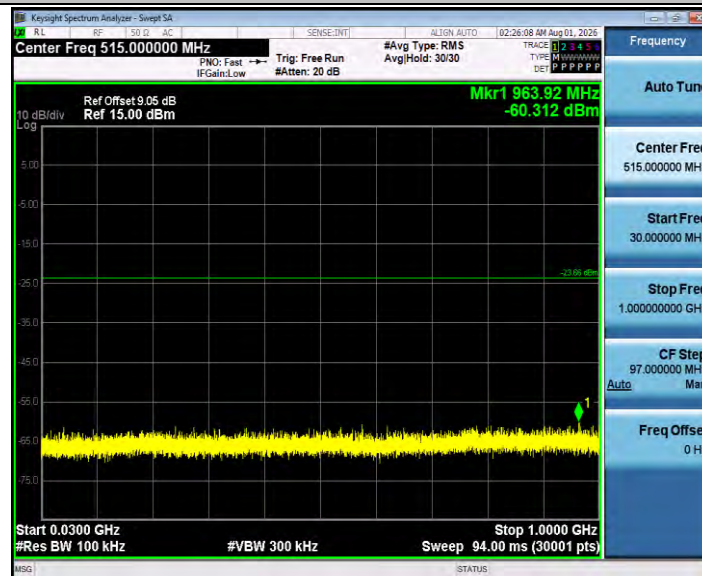
11G_Ant1_2437_1000~26500



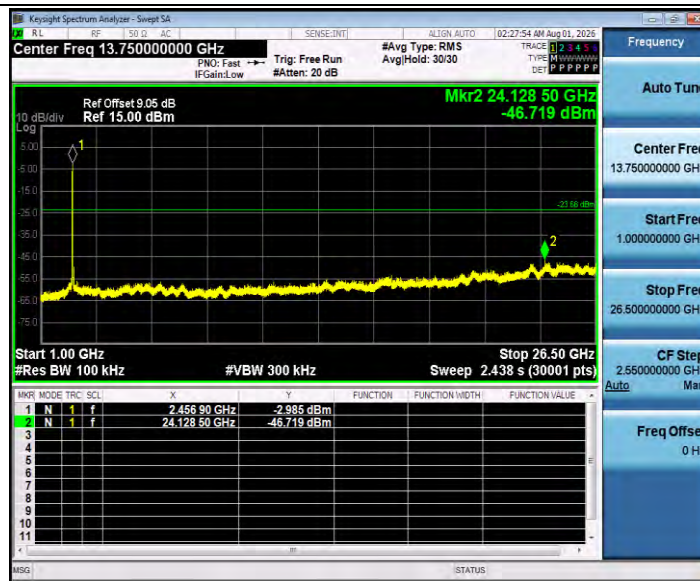
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



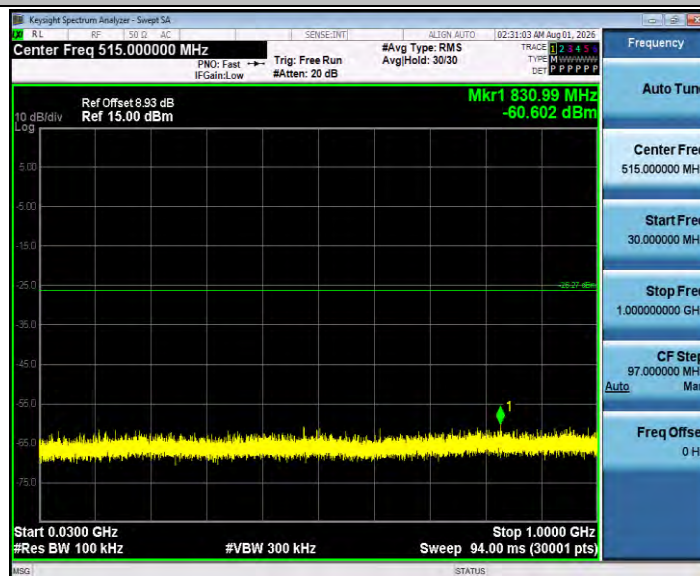
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



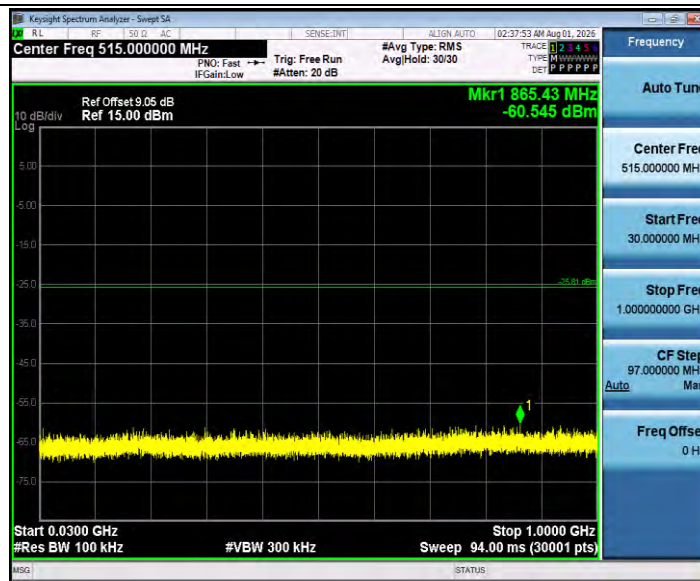
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



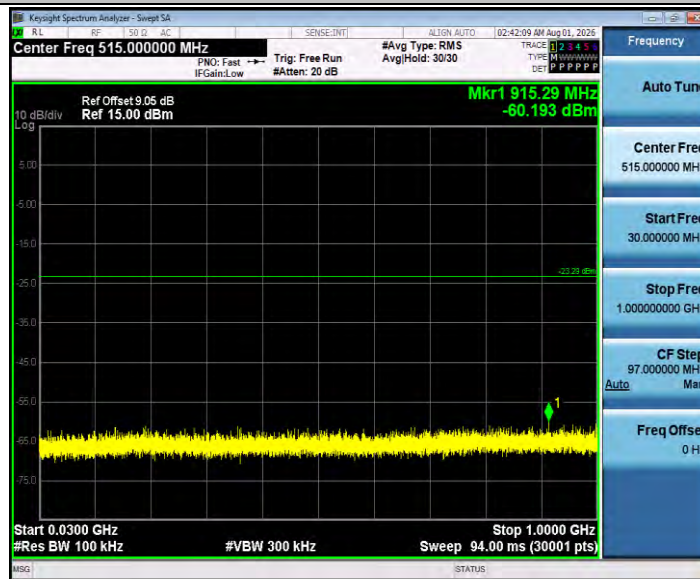
11N20SISO_Ant1_2437_1000~26500



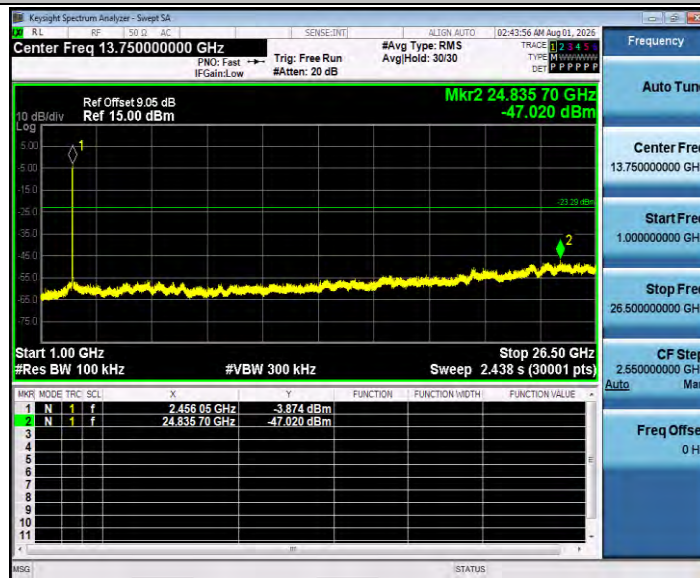
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



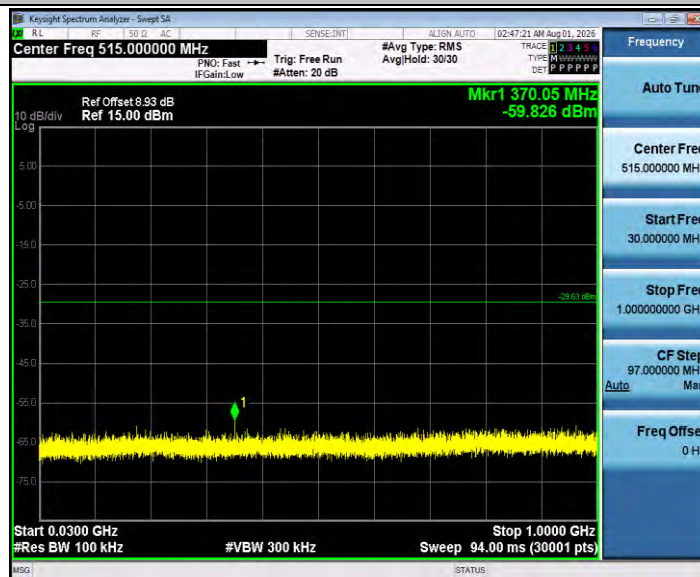
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



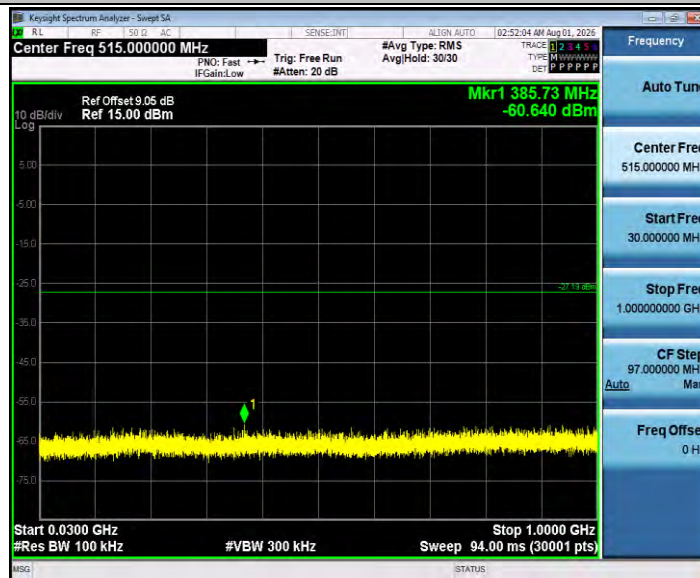
11N40SISO_Ant1_2422_1000~26500



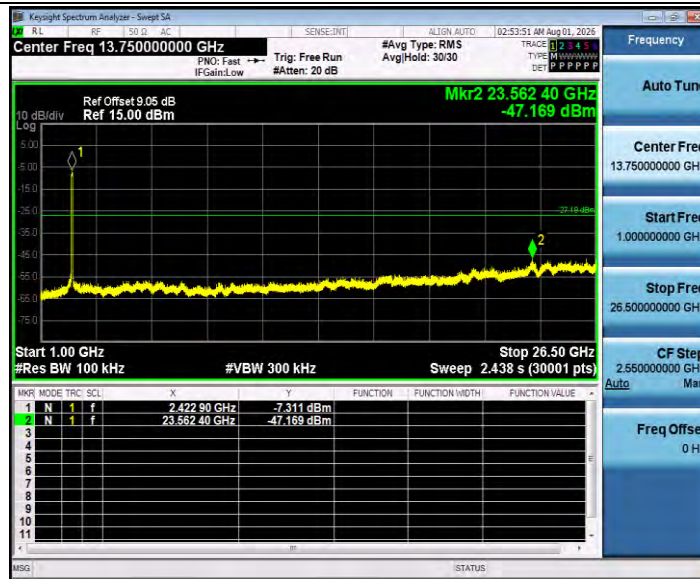
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500

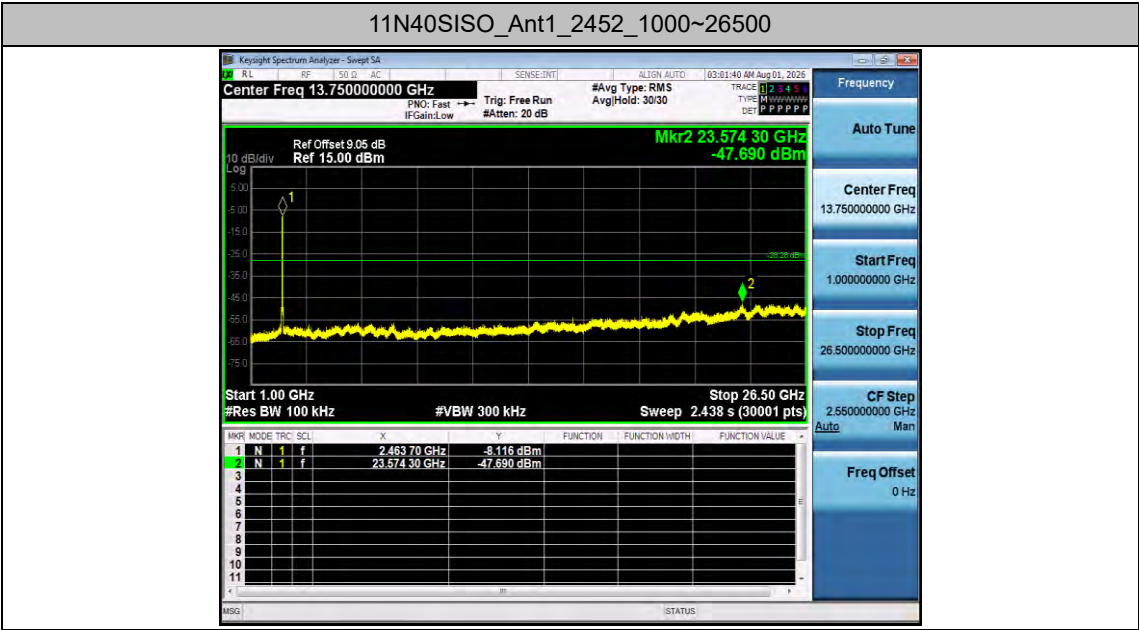


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



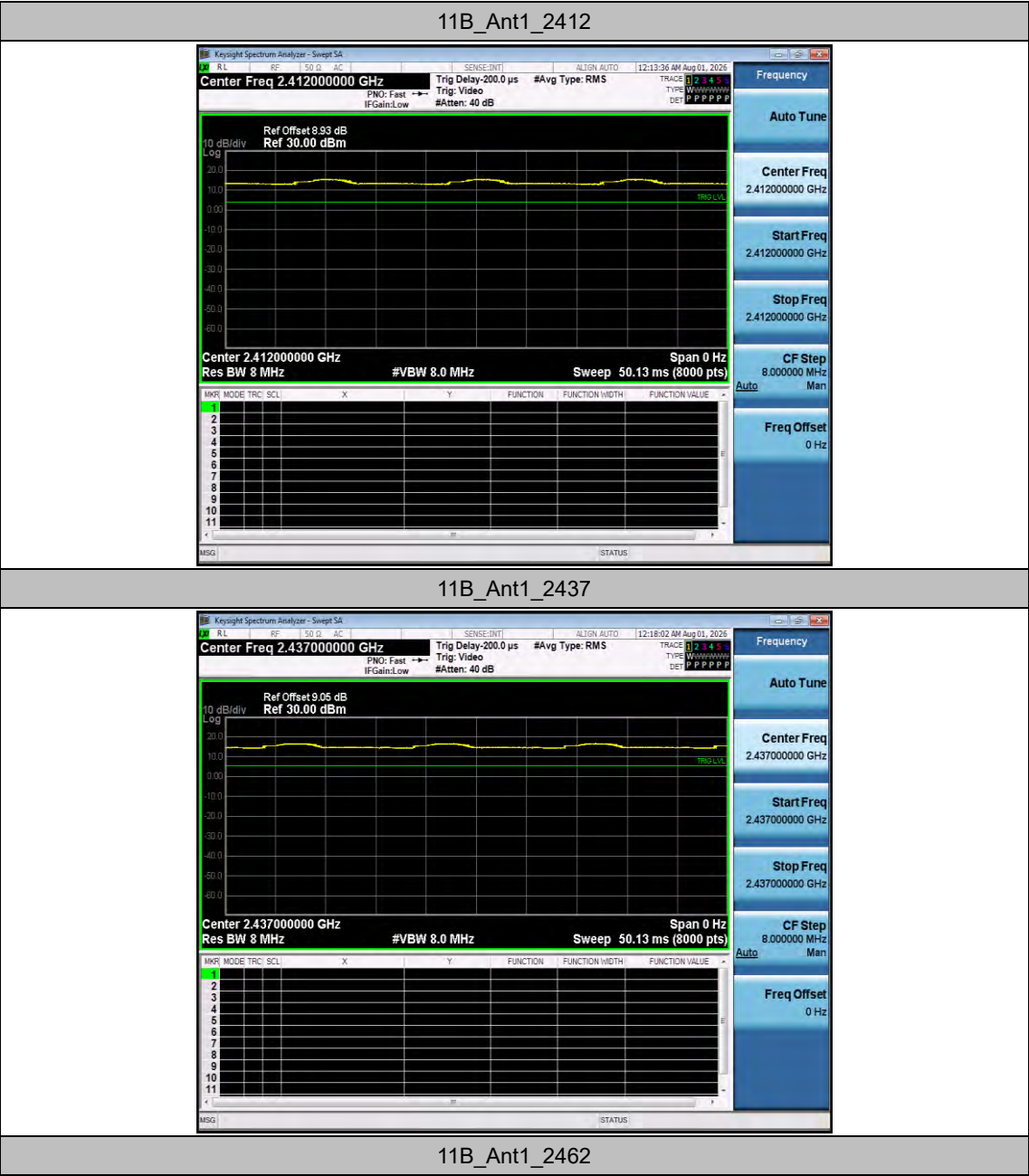


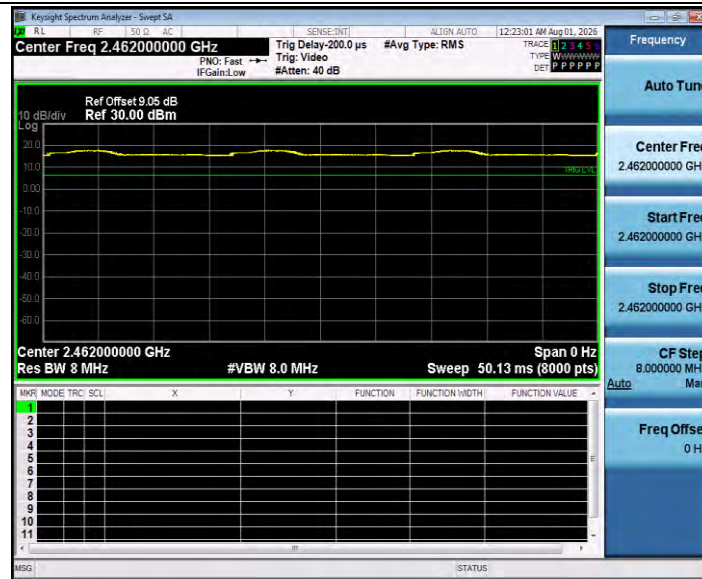
Appendix C.7: Duty Cycle

Test Result

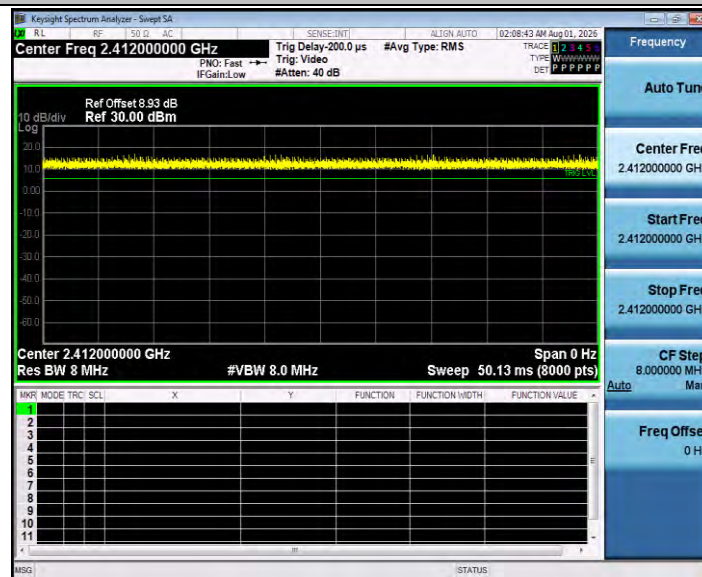
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11G	Ant1	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	100.00	0.00	0.02
		2462	50.00	50.00	100.00	0.00	0.02
11N20SISO	Ant1	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	Ant1	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

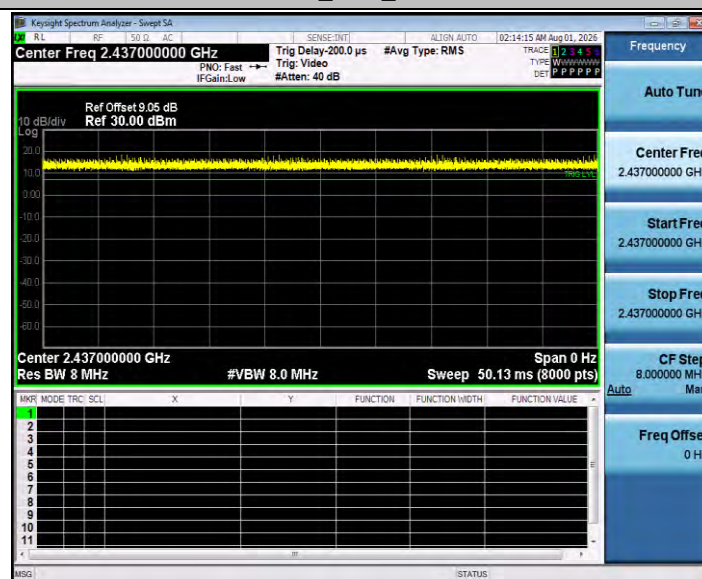




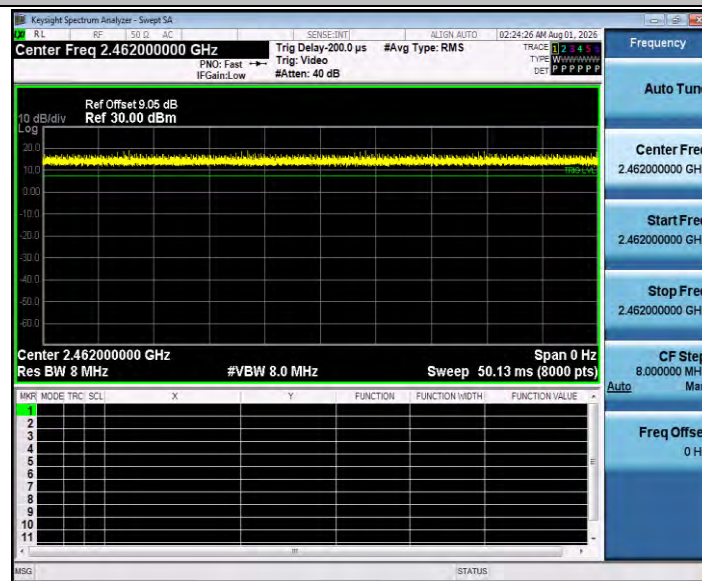
11G_Ant1_2412



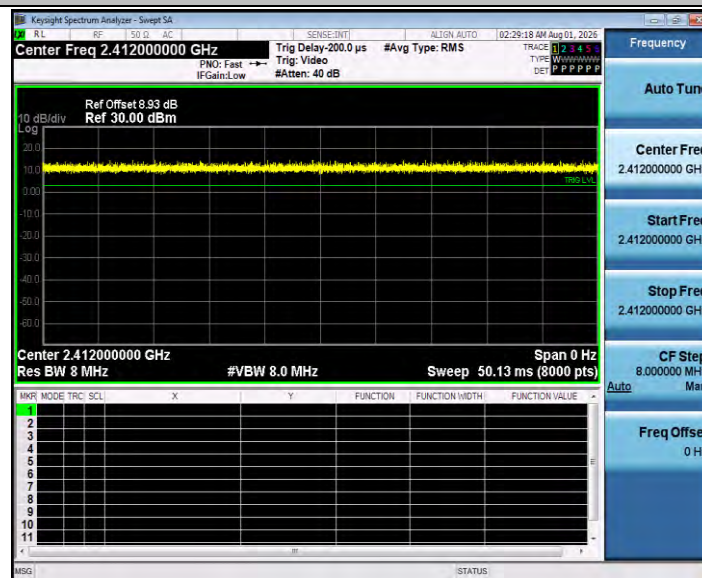
11G_Ant1_2437



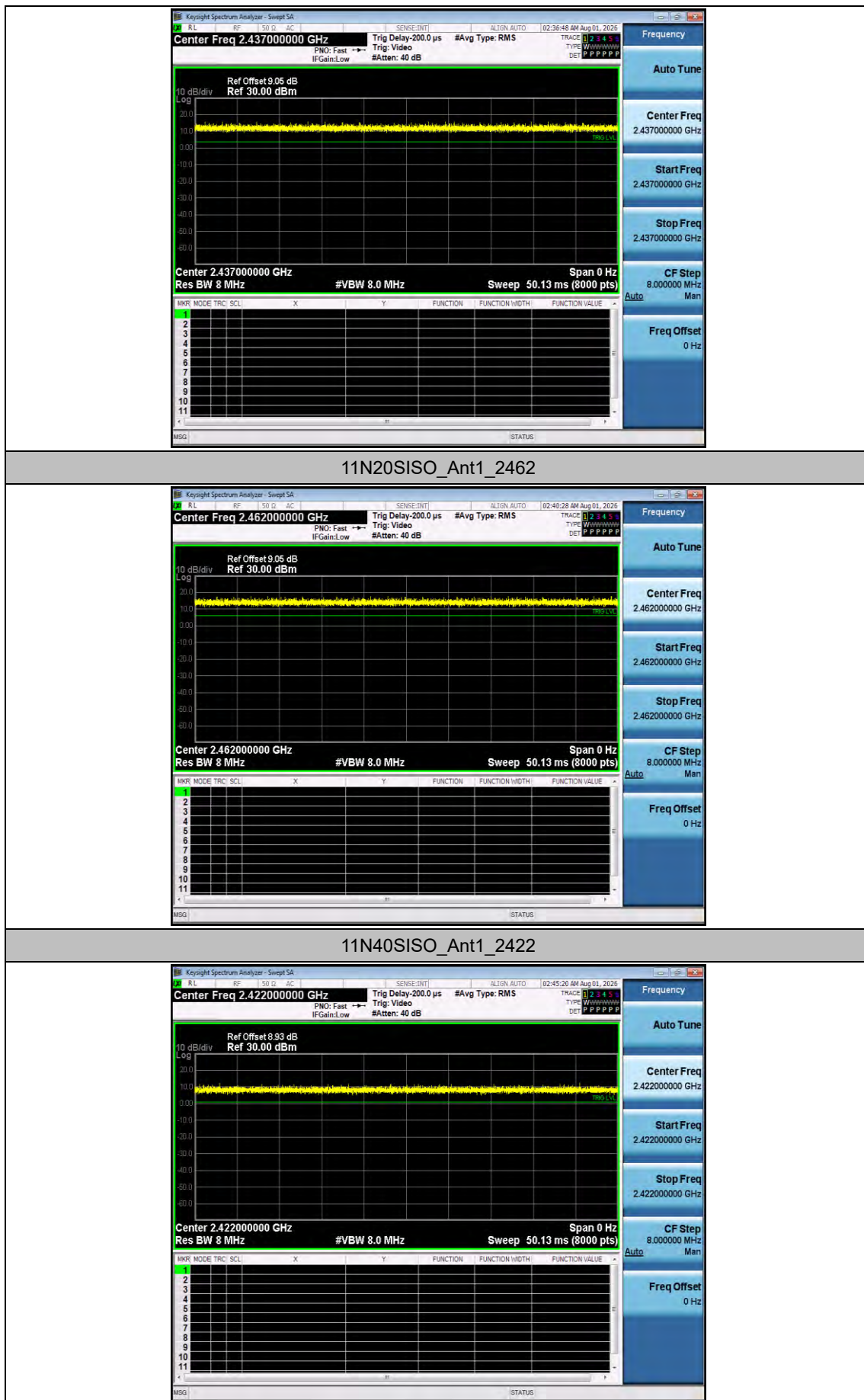
11G_Ant1_2462



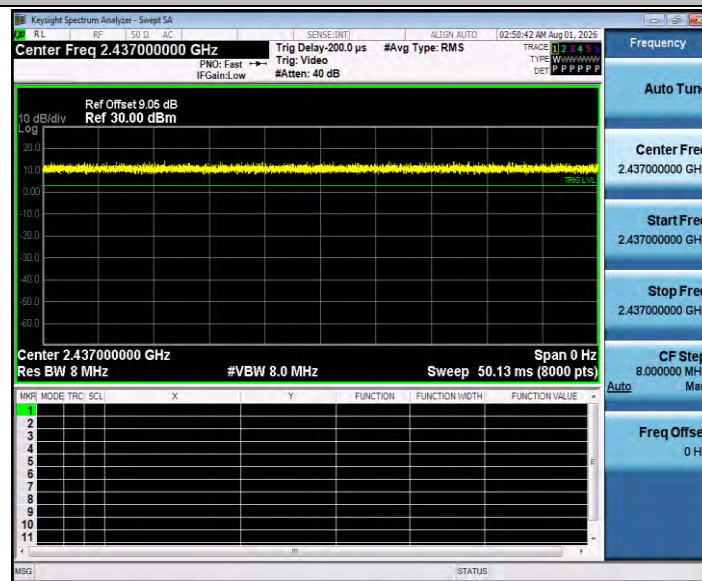
11N20SISO_Ant1_2412



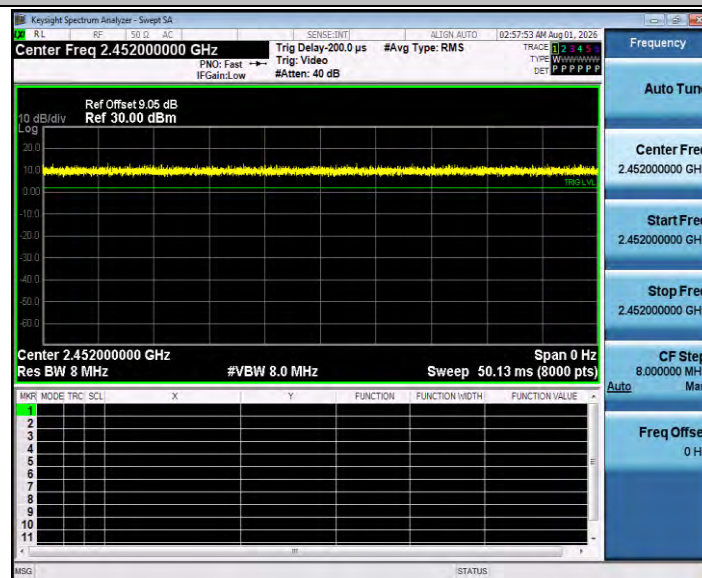
11N20SISO_Ant1_2437



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.8: Emissions in Restricted Bands

Test Result

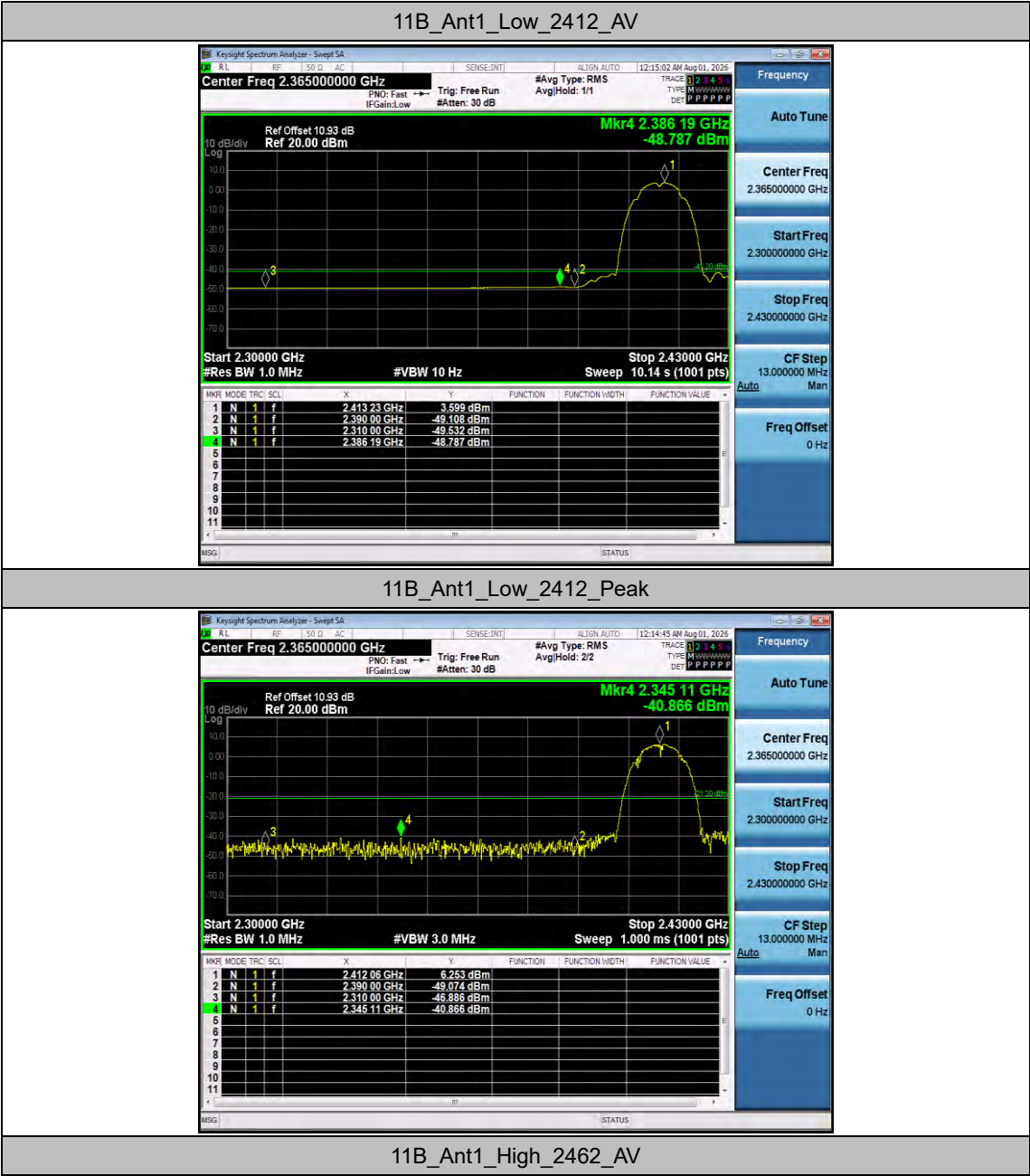
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.53	≤-41.20	45.67	≤54	PASS
				AV	2386.190	-48.79	≤-41.20	46.41	≤54	PASS
				AV	2390.000	-49.11	≤-41.20	46.09	≤54	PASS
				Peak	2310.000	-46.89	≤-21.20	48.31	≤74	PASS
				Peak	2345.110	-40.87	≤-21.20	54.33	≤74	PASS
				Peak	2390.000	-49.07	≤-21.20	46.13	≤74	PASS
		High	2462	AV	2483.500	-48.33	≤-41.20	46.87	≤54	PASS
				AV	2487.630	-47.67	≤-41.20	47.53	≤54	PASS
				AV	2500.000	-48.55	≤-41.20	46.65	≤54	PASS
				Peak	2483.500	-45.21	≤-21.20	49.99	≤74	PASS
				Peak	2489.720	-39.89	≤-21.20	55.31	≤74	PASS
				Peak	2500.000	-44.51	≤-21.20	50.69	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.15	≤-41.20	46.05	≤54	PASS
				AV	2389.960	-47.87	≤-41.20	47.33	≤54	PASS
				AV	2390.000	-47.88	≤-41.20	47.32	≤54	PASS
				Peak	2310.000	-43.16	≤-21.20	52.04	≤74	PASS
				Peak	2346.150	-40.41	≤-21.20	54.79	≤74	PASS
				Peak	2390.000	-44.64	≤-21.20	50.56	≤74	PASS
		High	2462	AV	2483.500	-46.79	≤-41.20	48.41	≤54	PASS
				AV	2483.560	-46.81	≤-41.20	48.39	≤54	PASS
				AV	2500.000	-48.33	≤-41.20	46.87	≤54	PASS
				Peak	2483.500	-46.23	≤-21.20	48.97	≤74	PASS
				Peak	2488.620	-40.92	≤-21.20	54.28	≤74	PASS
				Peak	2500.000	-47.91	≤-21.20	47.29	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.48	≤-41.20	45.72	≤54	PASS
				AV	2389.830	-48.71	≤-41.20	46.49	≤54	PASS
				AV	2390.000	-48.73	≤-41.20	46.47	≤54	PASS
				Peak	2310.000	-46.1	≤-21.20	49.10	≤74	PASS
				Peak	2333.020	-40.39	≤-21.20	54.81	≤74	PASS
				Peak	2390.000	-43.65	≤-21.20	51.55	≤74	PASS
		High	2462	AV	2483.500	-46.78	≤-41.20	48.42	≤54	PASS
				AV	2483.560	-46.82	≤-41.20	48.38	≤54	PASS
				AV	2500.000	-48.31	≤-41.20	46.89	≤54	PASS
				Peak	2483.500	-42.68	≤-21.20	52.52	≤74	PASS
				Peak	2486.530	-38.12	≤-21.20	57.08	≤74	PASS
				Peak	2500.000	-44.72	≤-21.20	50.48	≤74	PASS

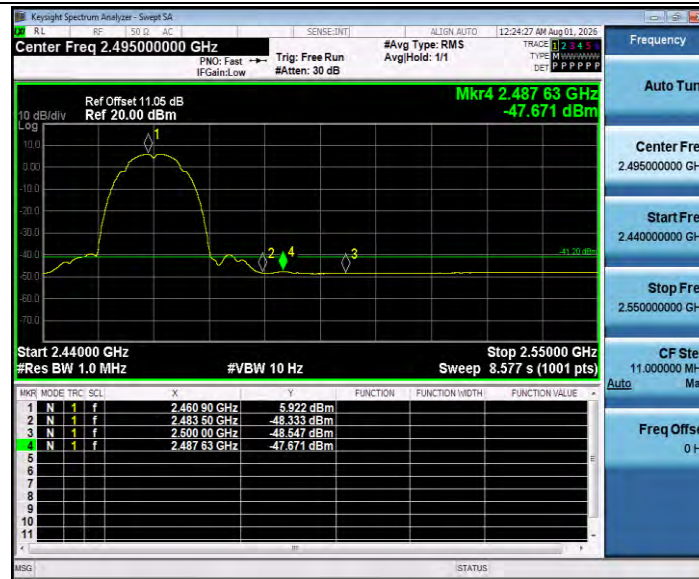
11N40SIS O	Ant1	Low	2422	AV	2310.000	-49.48	≤ -41.20	45.72	≤ 54	PASS
				AV	2389.700	-48.28	≤ -41.20	46.92	≤ 54	PASS
				AV	2390.000	-48.27	≤ -41.20	46.93	≤ 54	PASS
				Peak	2310.000	-46.93	≤ -21.20	48.27	≤ 74	PASS
				Peak	2311.100	-39.83	≤ -21.20	55.37	≤ 74	PASS
				Peak	2390.000	-50.35	≤ -21.20	44.85	≤ 74	PASS
		High	2452	AV	2483.500	-45.93	≤ -41.20	49.27	≤ 54	PASS
				AV	2483.750	-45.97	≤ -41.20	49.23	≤ 54	PASS
				AV	2500.000	-48.15	≤ -41.20	47.05	≤ 54	PASS
				Peak	2483.500	-45.01	≤ -21.20	50.19	≤ 74	PASS
				Peak	2491.625	-38.26	≤ -21.20	56.94	≤ 74	PASS
				Peak	2500.000	-45.14	≤ -21.20	50.06	≤ 74	PASS

Note:

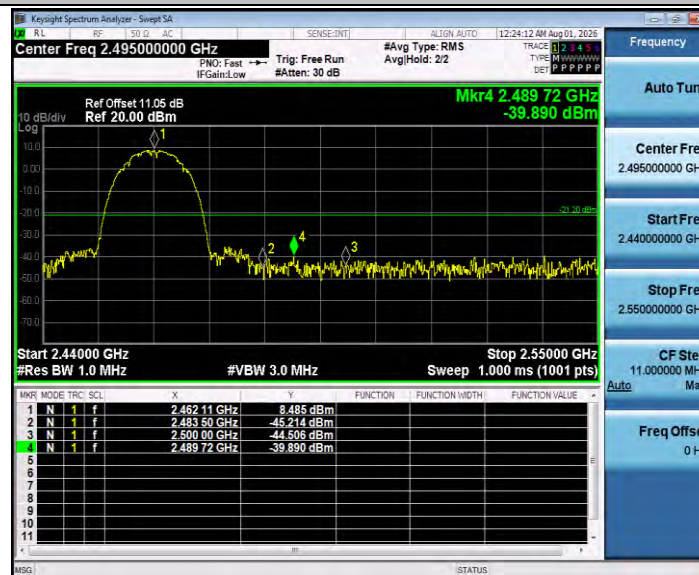
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





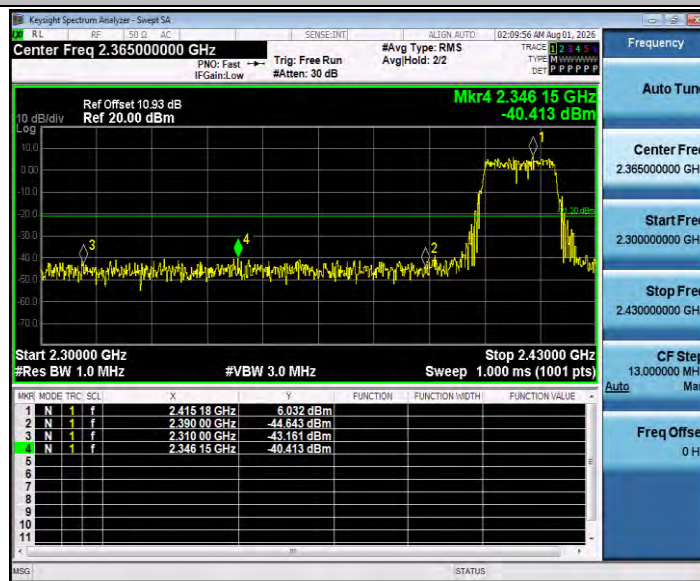
11B_Ant1_High_2462_Peak



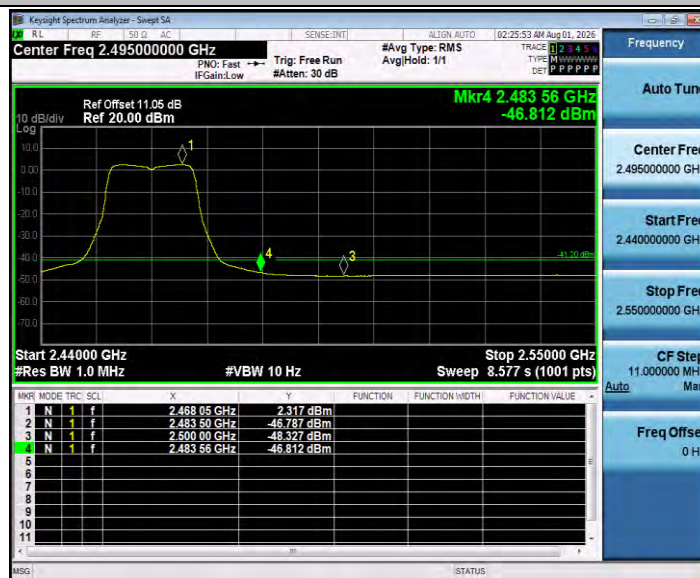
11G_Ant1_Low_2412_AV



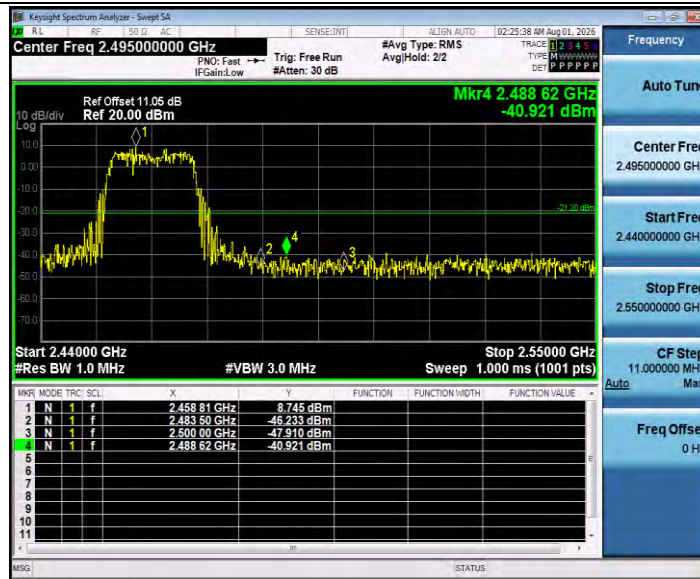
11G_Ant1_Low_2412_Peak



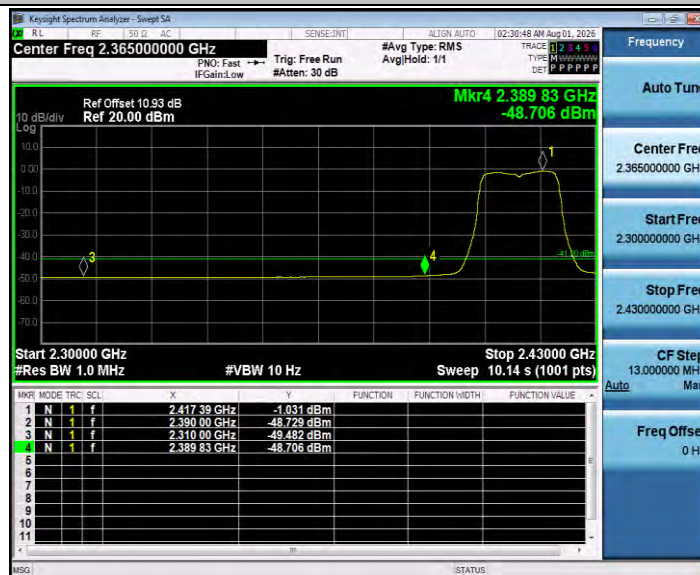
11G_Ant1_High_2462_AV



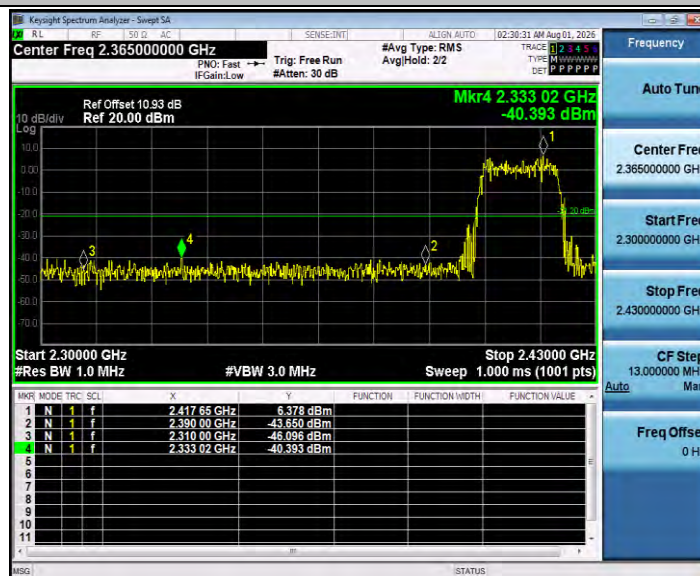
11G_Ant1_High_2462_Peak



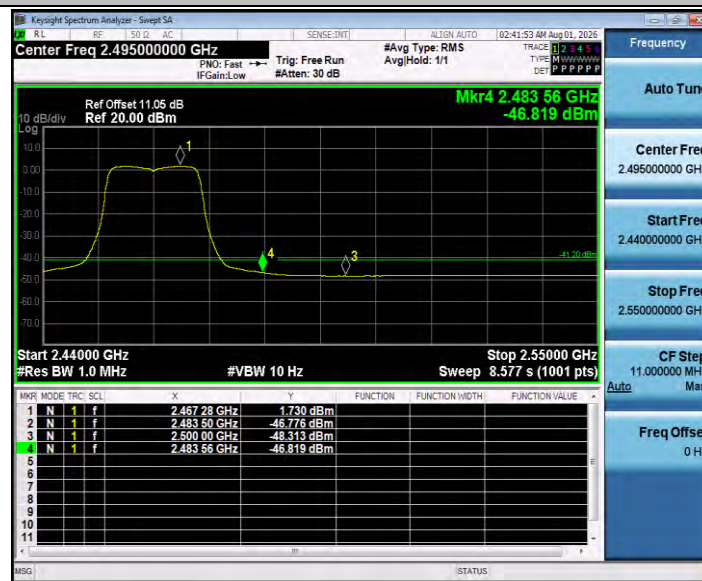
11N20SISO_Ant1_Low_2412_AV



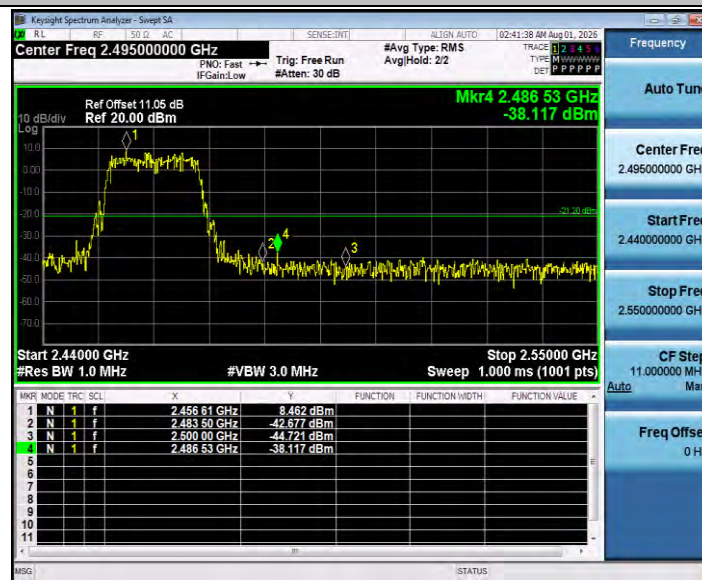
11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



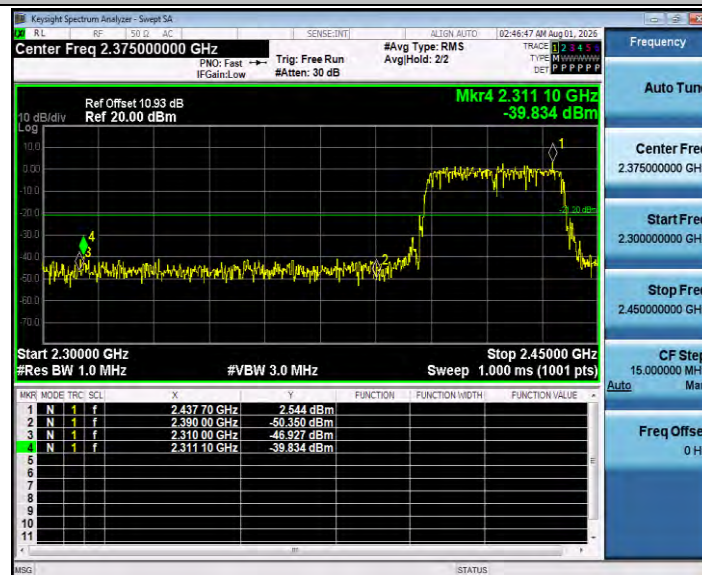
11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV

