

Case No. : _GTS20250724013-2-03	
Ambient Condition: <u>24</u> °C, <u>50</u> %RH,	
Test Date: <u>2025.8.8</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.520	2408.480	2416.000	0.5	PASS
		2437	7.560	2433.480	2441.040	0.5	PASS
		2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant1	2412	16.400	2403.840	2420.240	0.5	PASS
		2437	16.080	2429.080	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	0.5	PASS
		2437	17.560	2428.240	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.080	2404.080	2440.160	0.5	PASS
		2437	35.680	2419.480	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



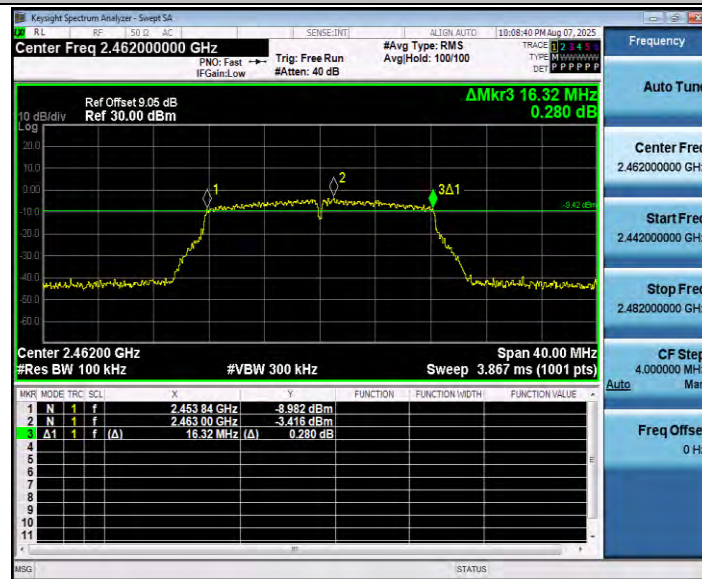
11G_Ant1_2412



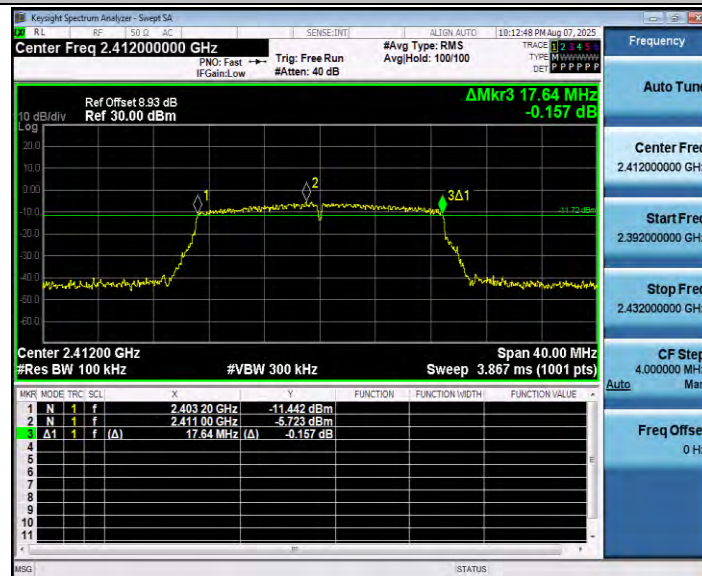
11G_Ant1_2437



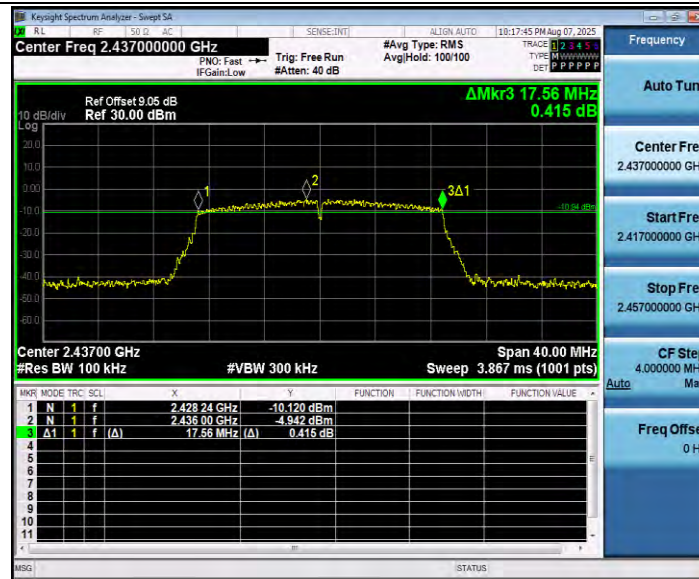
11G_Ant1_2462



11N20SISO_Ant1_2412



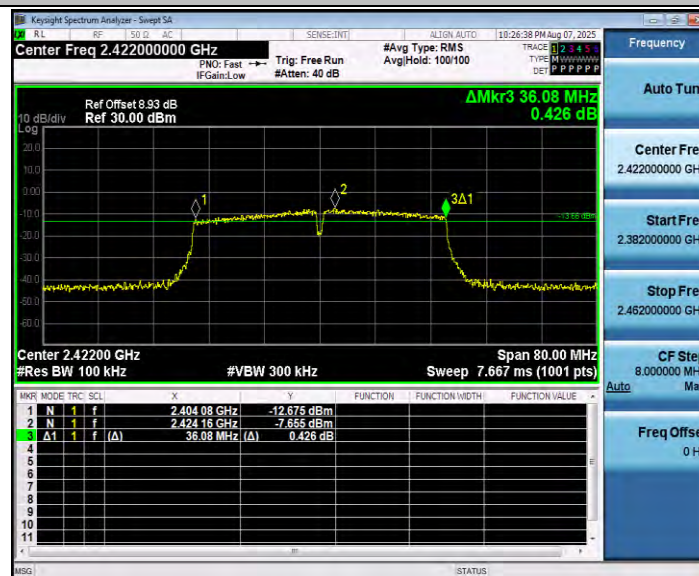
11N20SISO_Ant1_2437



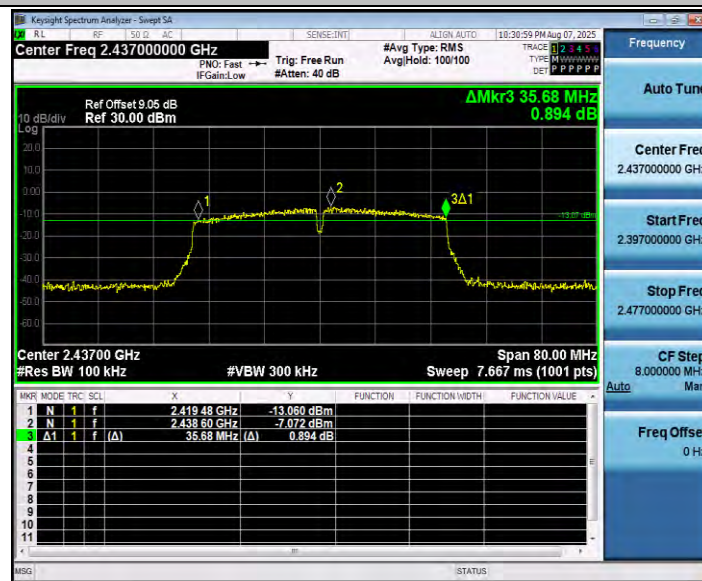
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	12.974	2405.5767	2418.5507
		2437	12.868	2430.6326	2443.5006
		2462	12.830	2455.6277	2468.4577
11G	Ant1	2412	16.852	2403.5886	2420.4406
		2437	16.761	2428.6969	2445.4579
		2462	16.804	2453.6581	2470.4621
11N20SISO	Ant1	2412	17.878	2403.1397	2421.0177
		2437	17.839	2428.1579	2445.9969
		2462	17.785	2453.1073	2470.8923
11N40SISO	Ant1	2422	36.210	2403.9820	2440.1920
		2437	36.142	2419.0632	2455.2052
		2452	36.173	2433.9864	2470.1594

Test Graphs

11B_Ant1_2412



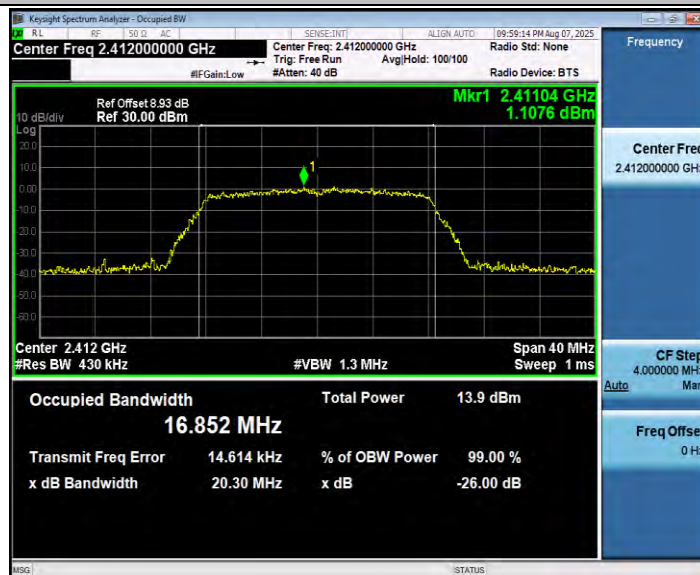
11B_Ant1_2437



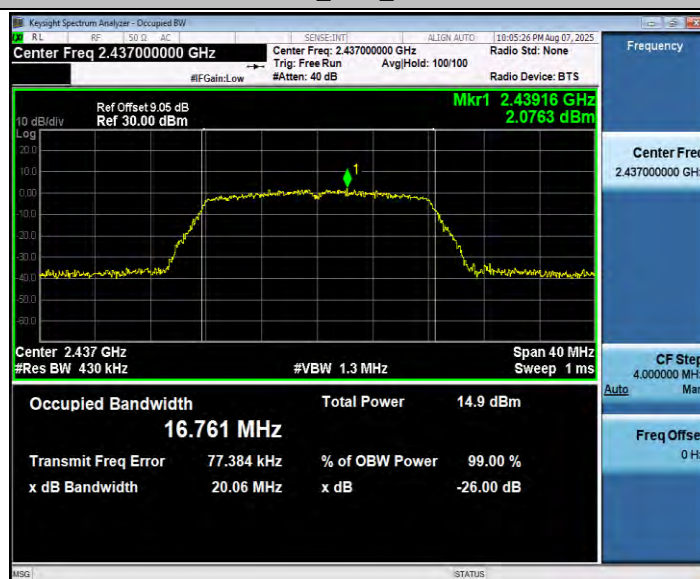
11B_Ant1_2462



11G_Ant1_2412



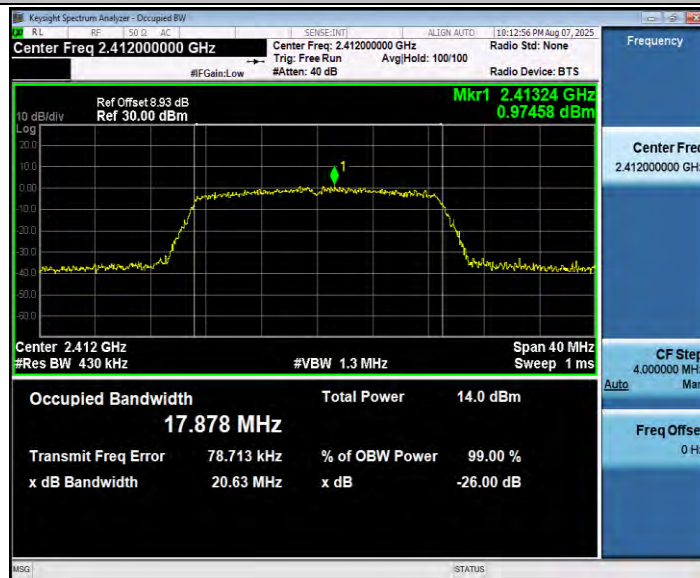
11G_Ant1_2437



11G_Ant1_2462



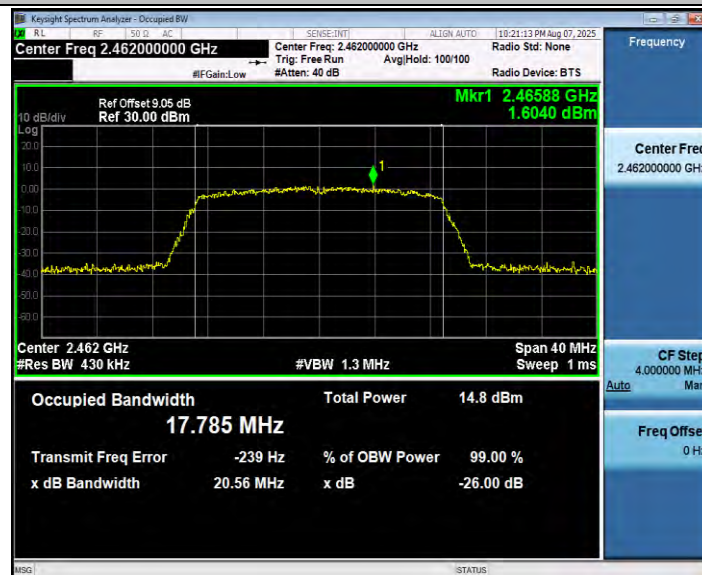
11N20SISO_Ant1_2412



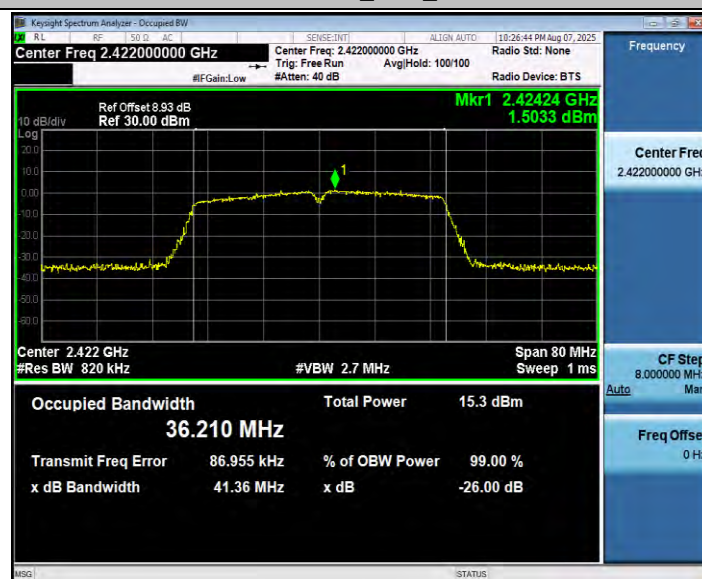
11N20SISO_Ant1_2437



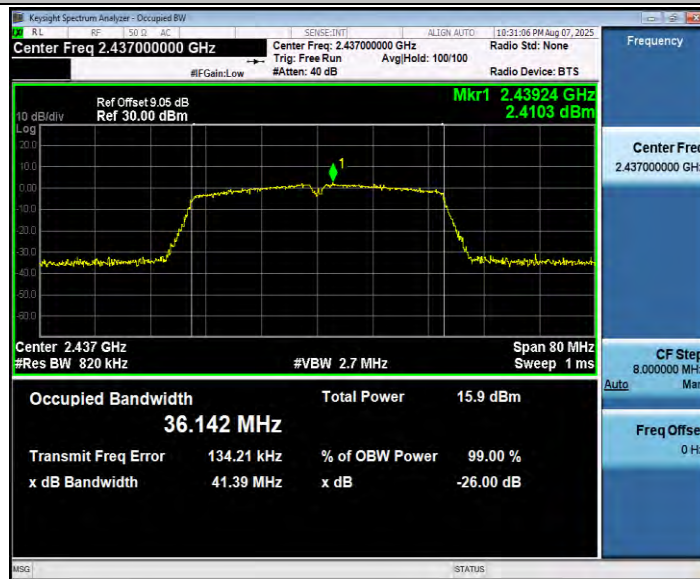
11N20SISO_Ant1_2462



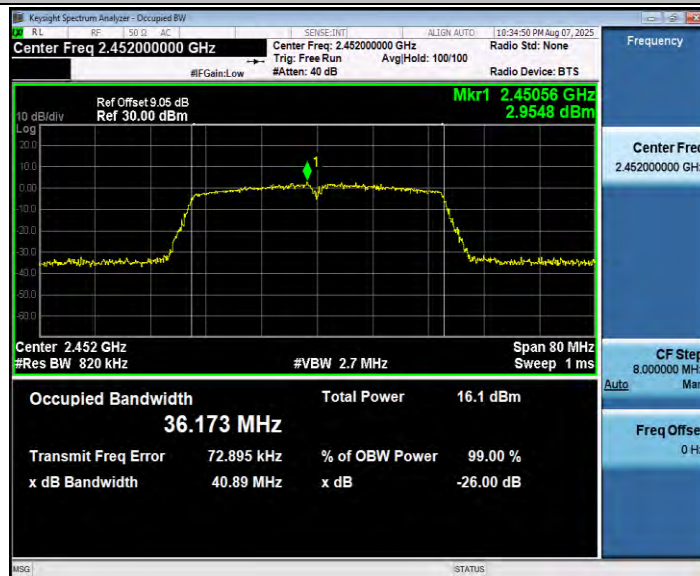
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Mode	Antenna	Frequency[M Hz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	11.75	≤30.00	PASS
		2437	12.66	≤30.00	PASS
		2462	13.36	≤30.00	PASS
11G	Ant1	2412	15.10	≤30.00	PASS
		2437	16.02	≤30.00	PASS
		2462	16.44	≤30.00	PASS
11N20SISO	Ant1	2412	15.18	≤30.00	PASS
		2437	15.92	≤30.00	PASS
		2462	16.09	≤30.00	PASS
11N40SISO	Ant1	2422	15.68	≤30.00	PASS
		2437	16.30	≤30.00	PASS
		2452	16.46	≤30.00	PASS

Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.06	≤8.00	PASS
		2437	-13.21	≤8.00	PASS
		2462	-10.74	≤8.00	PASS
11G	Ant1	2412	-16.41	≤8.00	PASS
		2437	-15.68	≤8.00	PASS
		2462	-16.16	≤8.00	PASS
11N20SISO	Ant1	2412	-17.32	≤8.00	PASS
		2437	-16.82	≤8.00	PASS
		2462	-16.32	≤8.00	PASS
11N40SISO	Ant1	2422	-18.42	≤8.00	PASS
		2437	-18.37	≤8.00	PASS
		2452	-17.82	≤8.00	PASS

Note:

1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

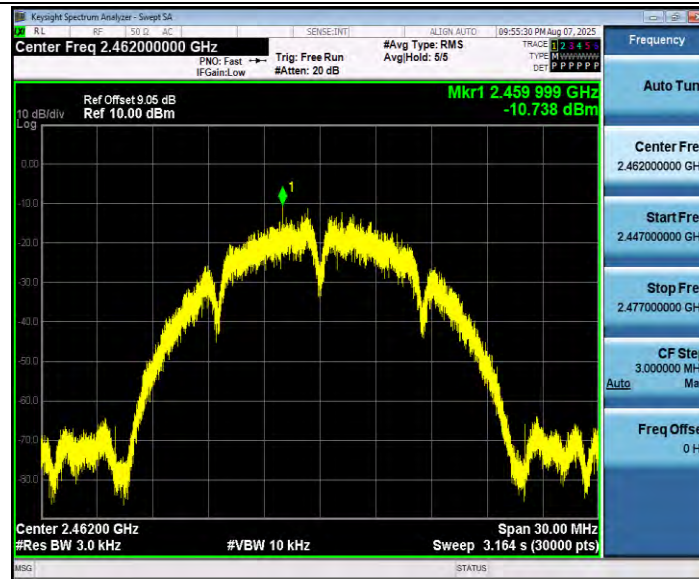
11B_Ant1_2412



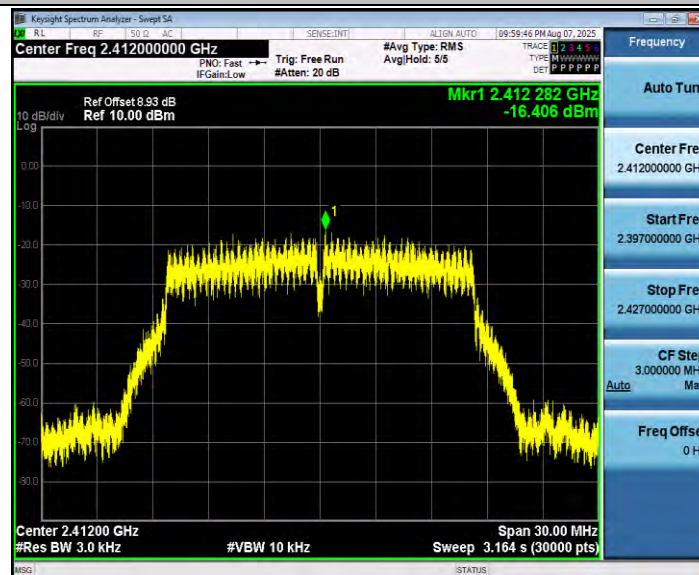
11B_Ant1_2437



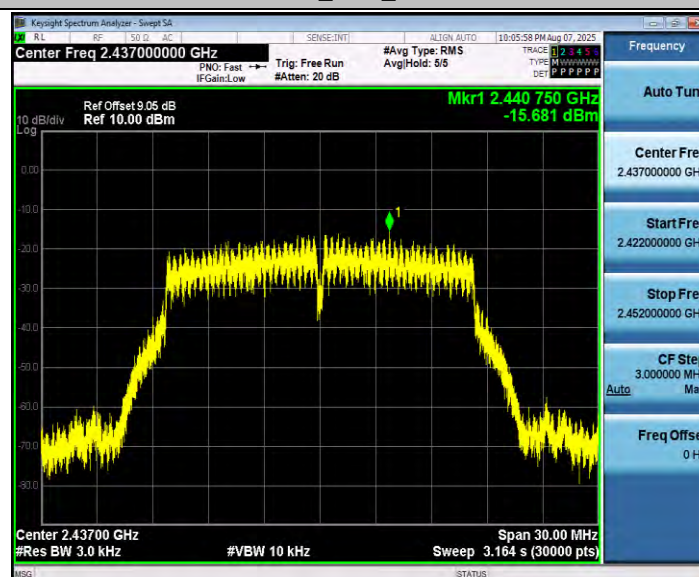
11B_Ant1_2462



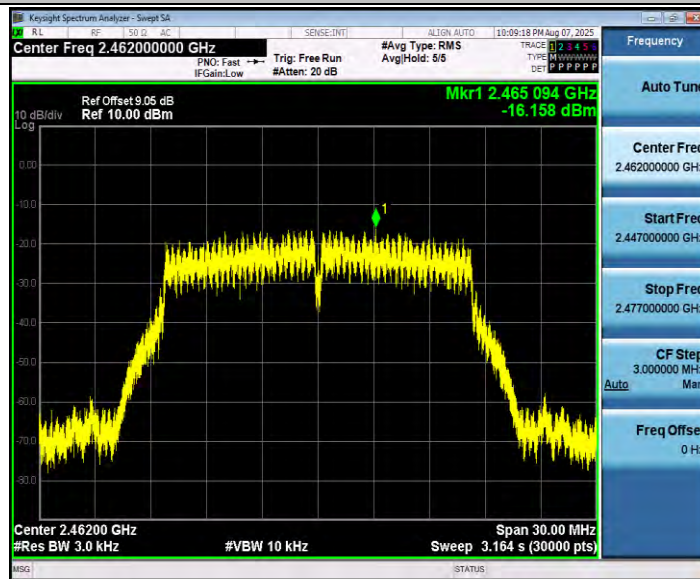
11G_Ant1_2412



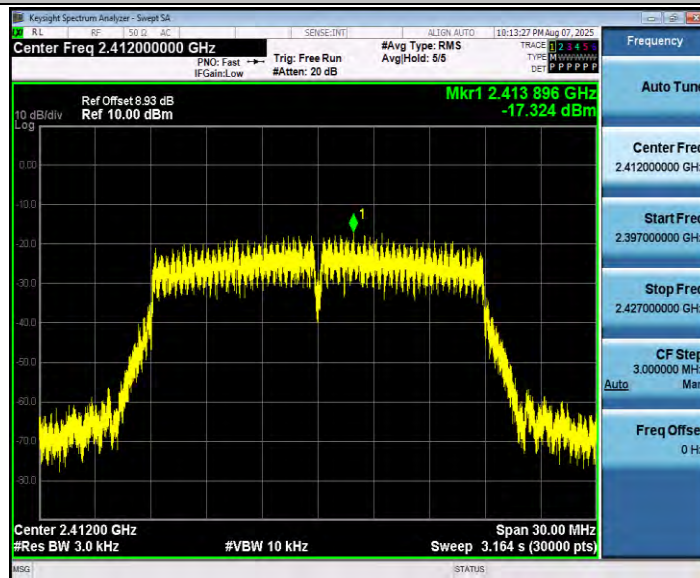
11G_Ant1_2437



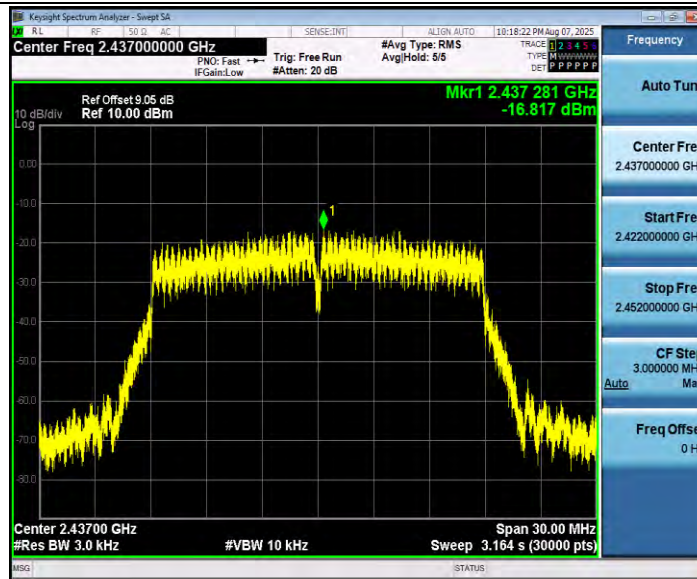
11G_Ant1_2462



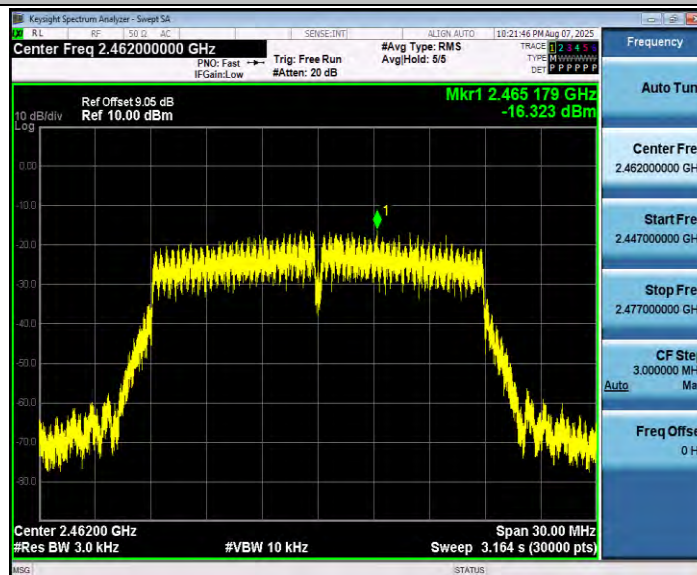
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



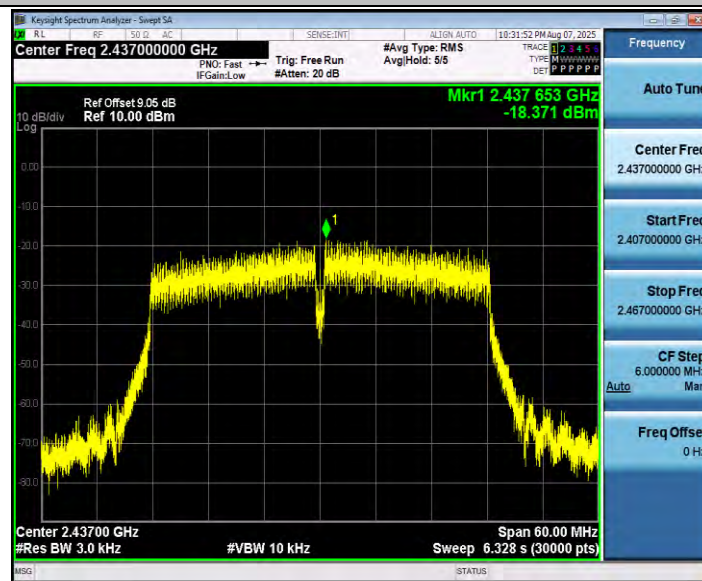
11N20SISO_Ant1_2462



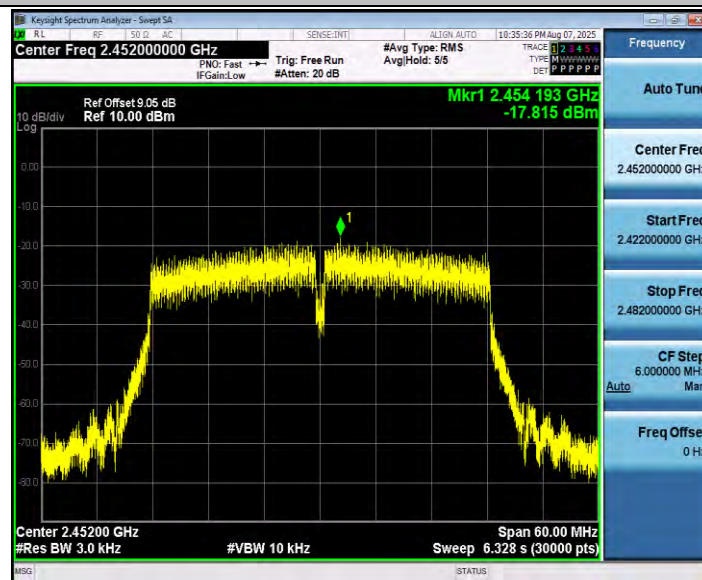
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



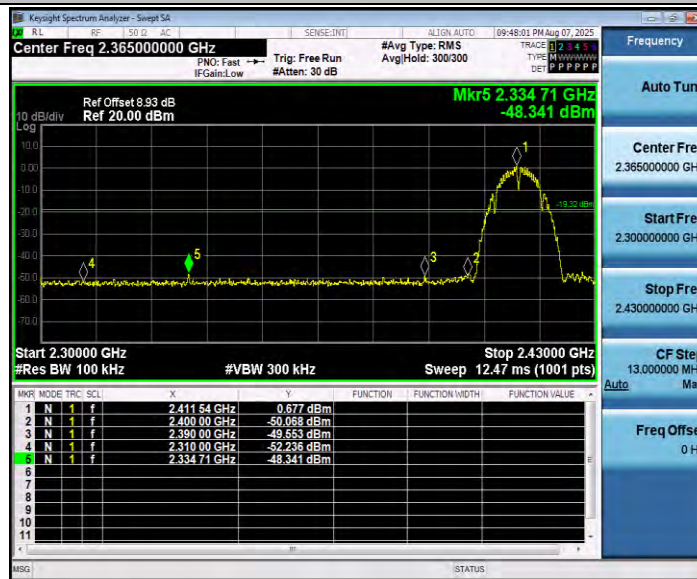
Appendix A.5: Band edge measurements

Test Result

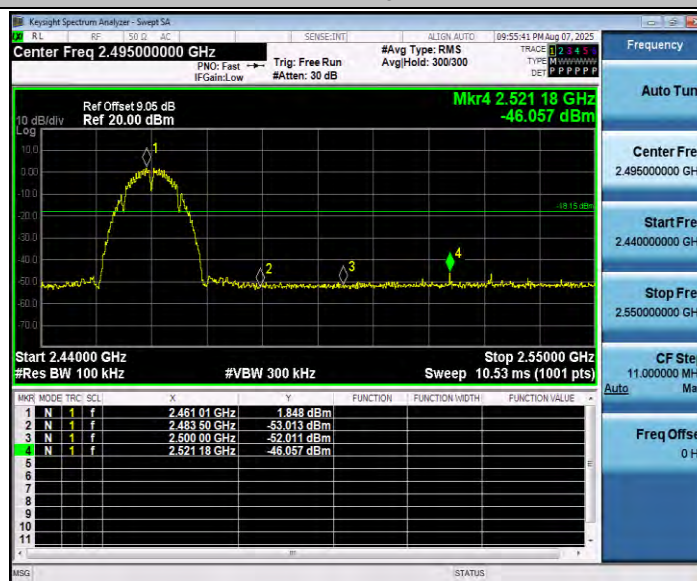
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.68	-48.34	≤-19.32	PASS
		High	2462	1.85	-46.06	≤-18.15	PASS
11G	Ant1	Low	2412	-5.15	-43.05	≤-25.15	PASS
		High	2462	-4.02	-48.5	≤-24.02	PASS
11N20SISO	Ant1	Low	2412	-5.62	-41.37	≤-25.62	PASS
		High	2462	-4.43	-48.99	≤-24.43	PASS
11N40SISO	Ant1	Low	2422	-7.91	-45.63	≤-27.91	PASS
		High	2452	-6.55	-47.43	≤-26.55	PASS

Test Graphs

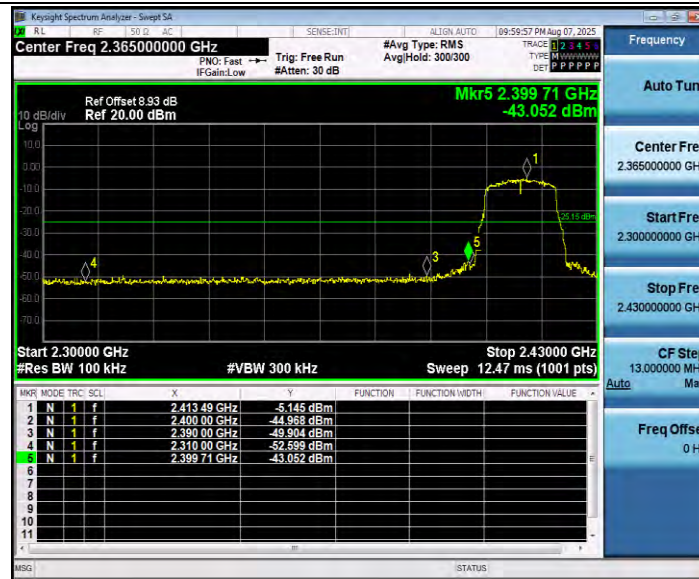
11B_Ant1_Low_2412



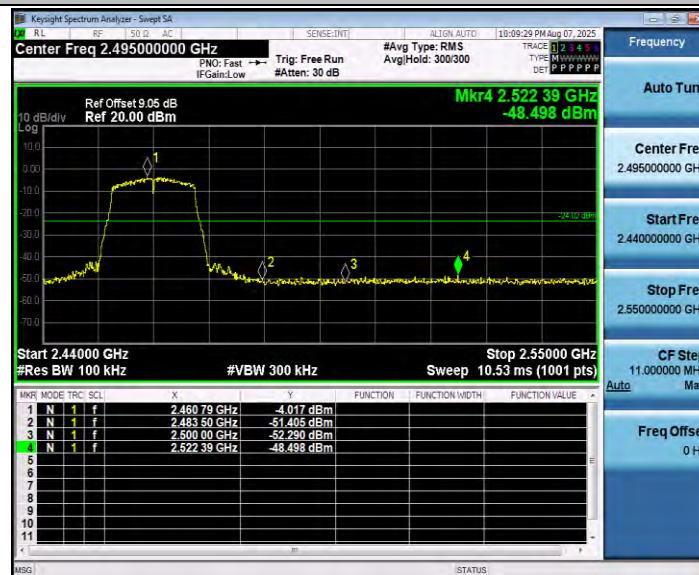
11B_Ant1_High_2462



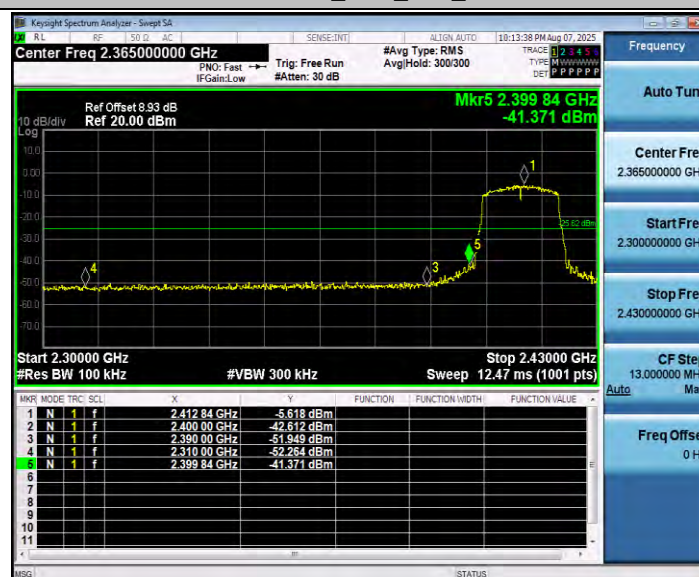
11G_Ant1_Low_2412



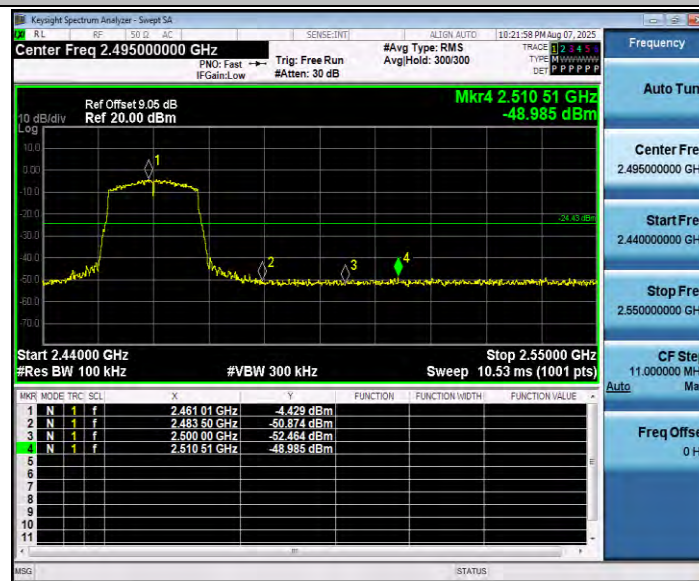
11G_Ant1_High_2462



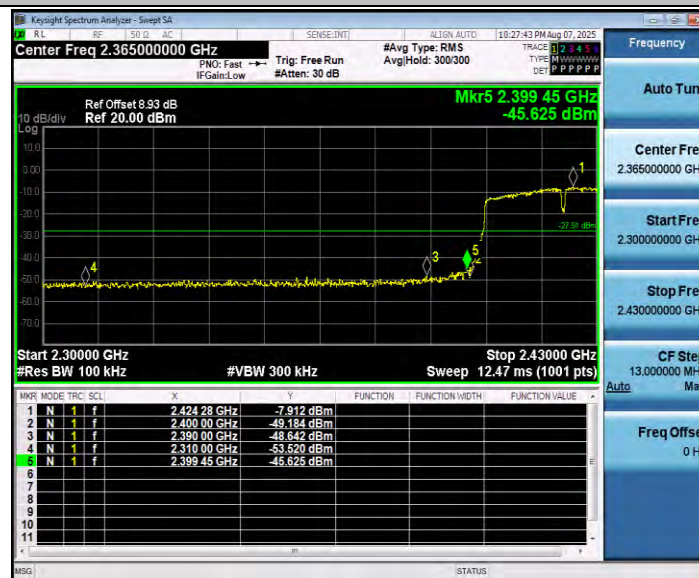
11N20SISO_Ant1_Low_2412



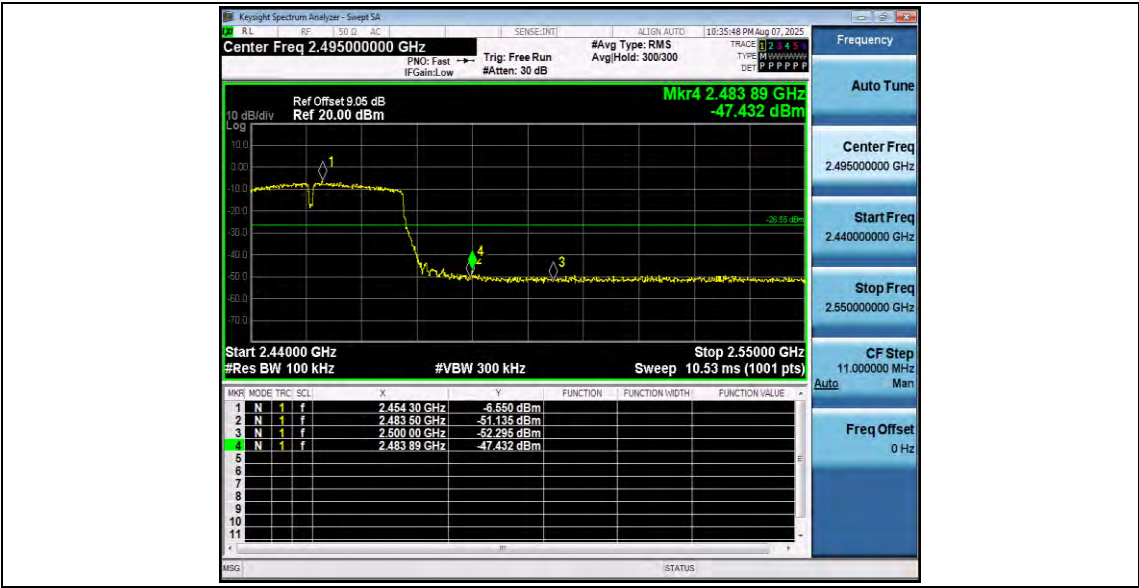
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

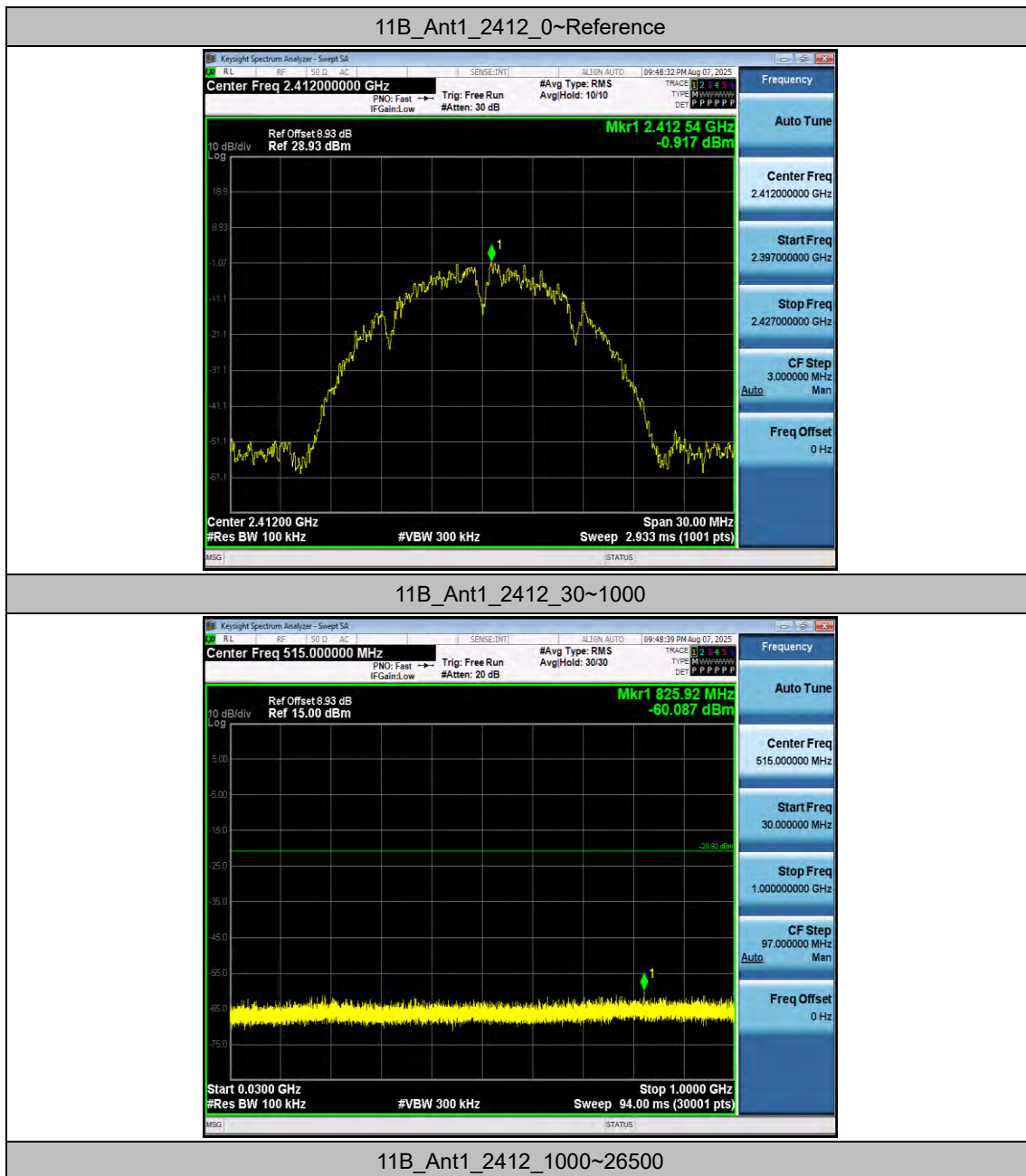


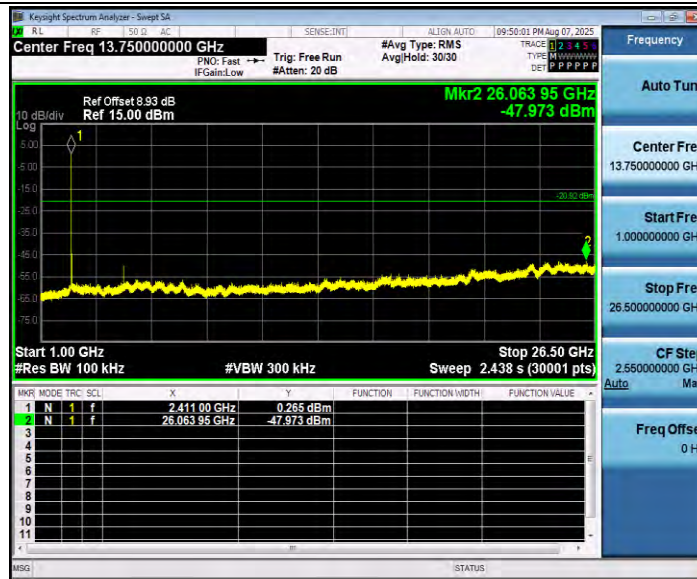
Appendix A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.92	-0.92	---	PASS
			30~1000	-0.92	-60.09	≤-20.92	PASS
			1000~26500	-0.92	-47.97	≤-20.92	PASS
		2437	Reference	0.05	0.05	---	PASS
			30~1000	0.05	-60.1	≤-19.95	PASS
			1000~26500	0.05	-47.4	≤-19.95	PASS
		2462	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-60.06	≤-17.57	PASS
			1000~26500	2.43	-47.8	≤-17.57	PASS
11G	Ant1	2412	Reference	-5.84	-5.84	---	PASS
			30~1000	-5.84	-61.14	≤-25.84	PASS
			1000~26500	-5.84	-47.67	≤-25.84	PASS
		2437	Reference	-4.61	-4.61	---	PASS
			30~1000	-4.61	-60.5	≤-24.61	PASS
			1000~26500	-4.61	-47.71	≤-24.61	PASS
		2462	Reference	-4.38	-4.38	---	PASS
			30~1000	-4.38	-60.82	≤-24.38	PASS
			1000~26500	-4.38	-47.77	≤-24.38	PASS
11N20SISO	Ant1	2412	Reference	-5.55	-5.55	---	PASS
			30~1000	-5.55	-60.57	≤-25.55	PASS
			1000~26500	-5.55	-47.38	≤-25.55	PASS
		2437	Reference	-5.22	-5.22	---	PASS
			30~1000	-5.22	-60.38	≤-25.22	PASS
			1000~26500	-5.22	-47.66	≤-25.22	PASS
		2462	Reference	-4.88	-4.88	---	PASS
			30~1000	-4.88	-60.89	≤-24.88	PASS
			1000~26500	-4.88	-47.8	≤-24.88	PASS
11N40SISO	Ant1	2422	Reference	-8.81	-8.81	---	PASS
			30~1000	-8.81	-60.95	≤-28.81	PASS
			1000~26500	-8.81	-47.73	≤-28.81	PASS
		2437	Reference	-7.97	-7.97	---	PASS
			30~1000	-7.97	-59.76	≤-27.97	PASS
			1000~26500	-7.97	-47.15	≤-27.97	PASS
		2452	Reference	-8.30	-8.30	---	PASS
			30~1000	-8.30	-60.63	≤-28.3	PASS
			1000~26500	-8.30	-48.26	≤-28.3	PASS

Test Graphs

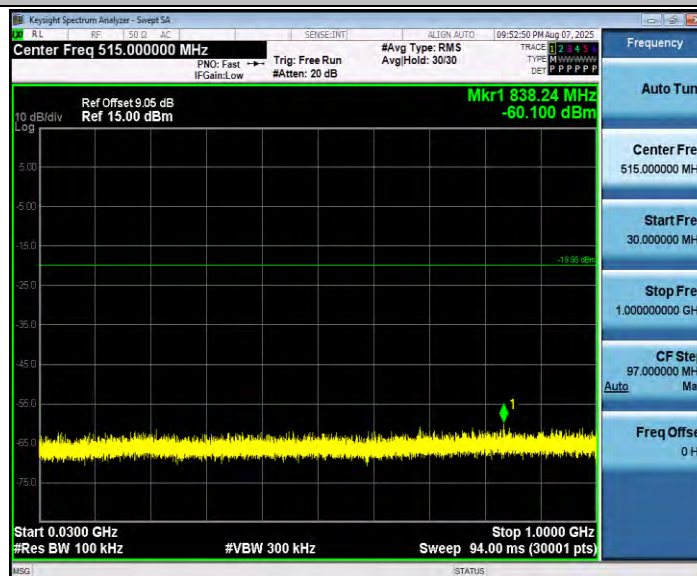




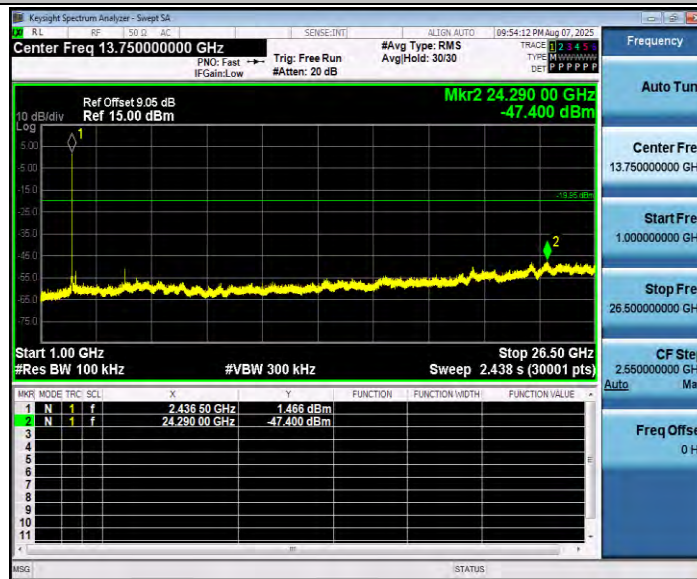
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



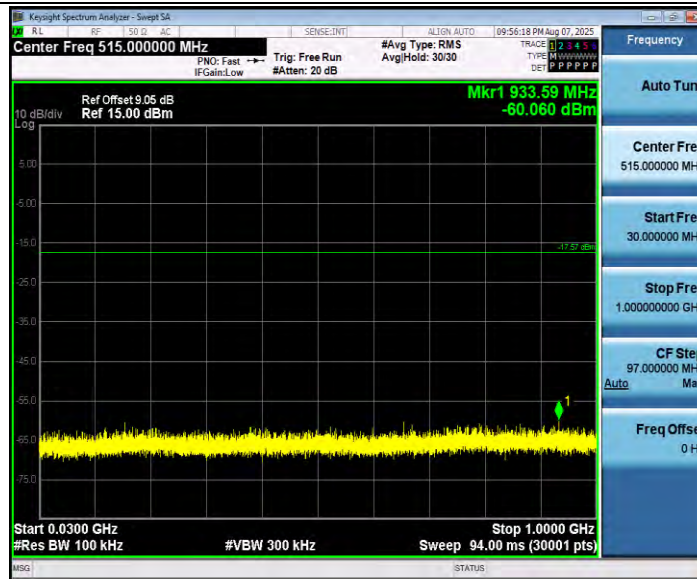
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



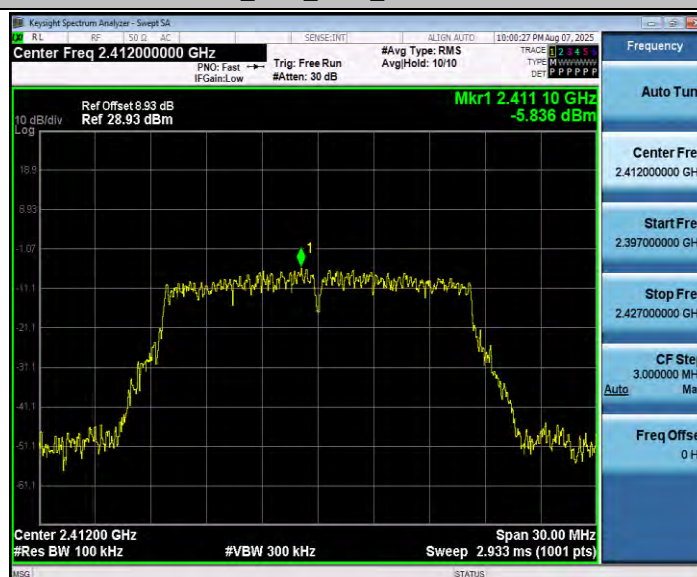
11B_Ant1_2462_30~1000



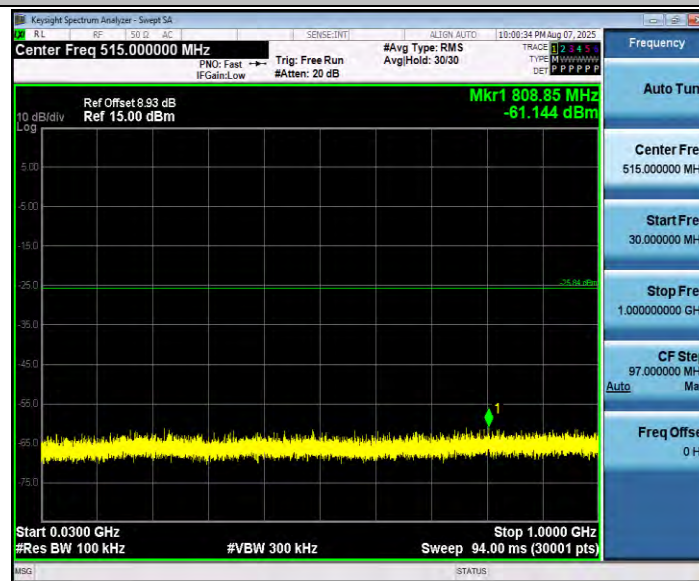
11B_Ant1_2462_1000~26500



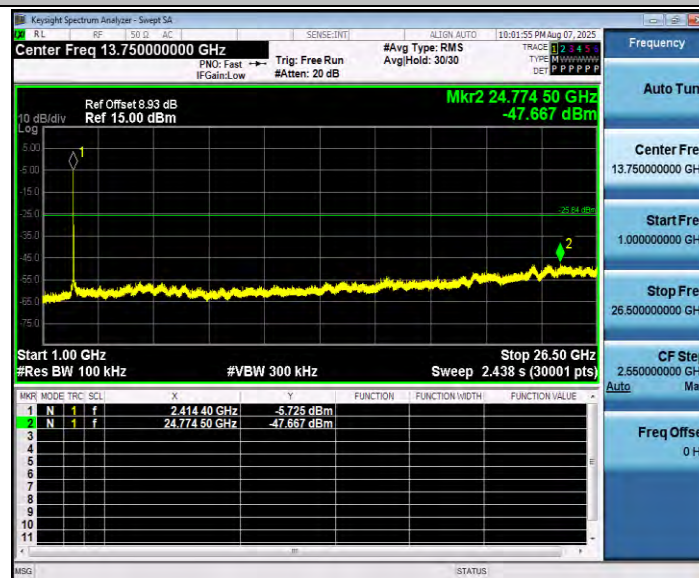
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



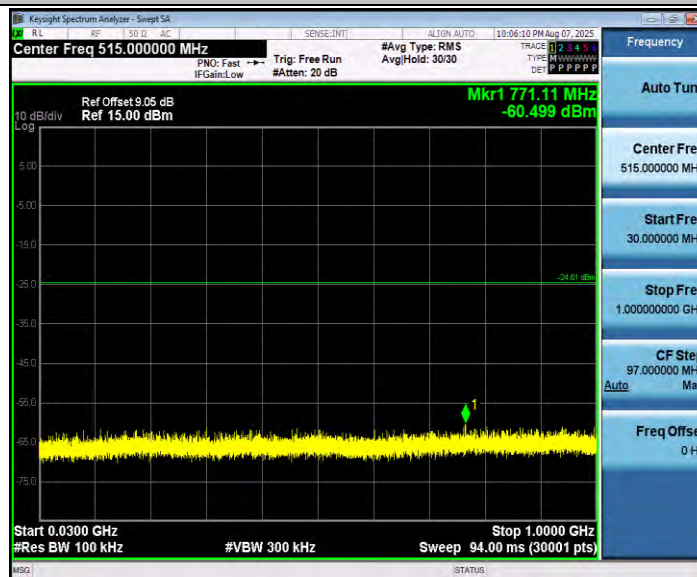
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



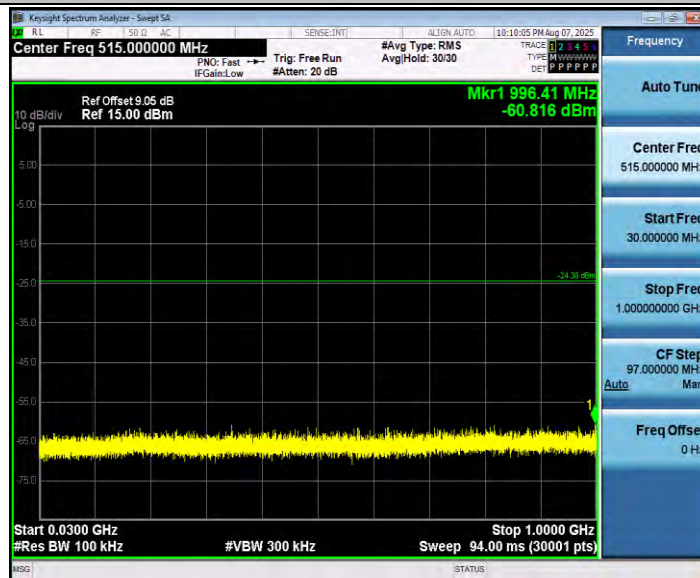
11G_Ant1_2437_1000~26500



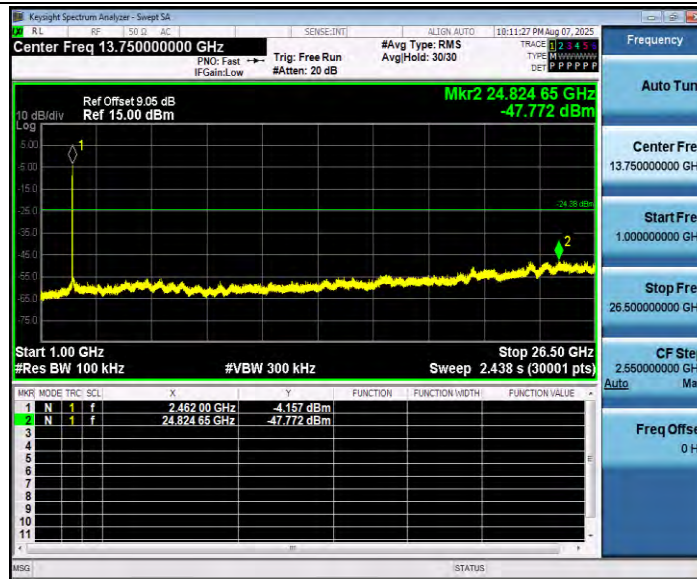
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



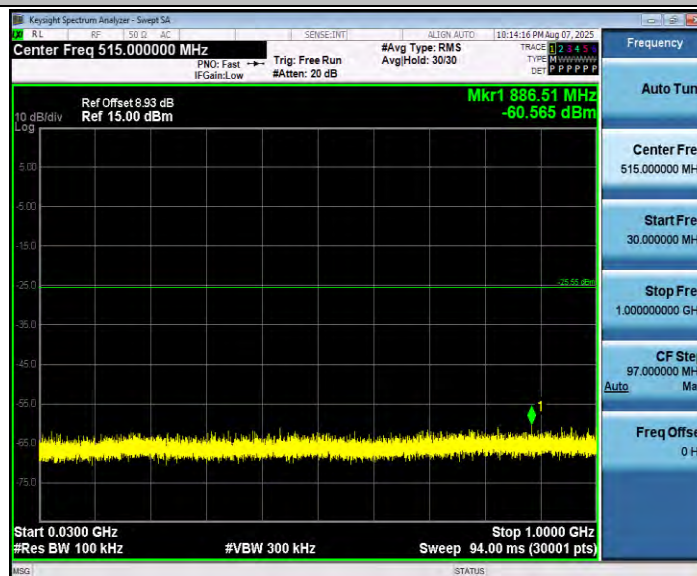
11G_Ant1_2462_1000~26500



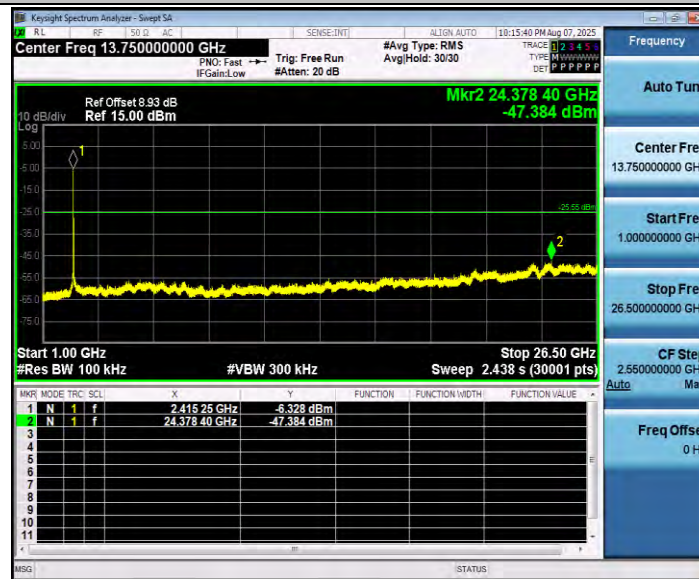
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



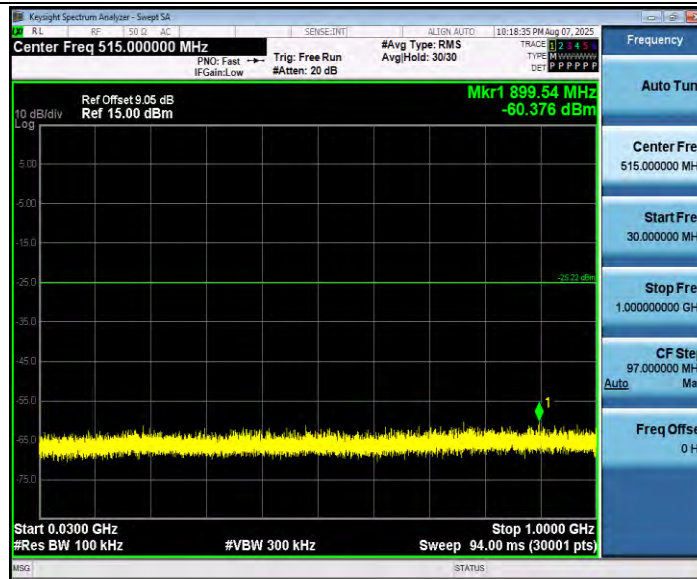
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



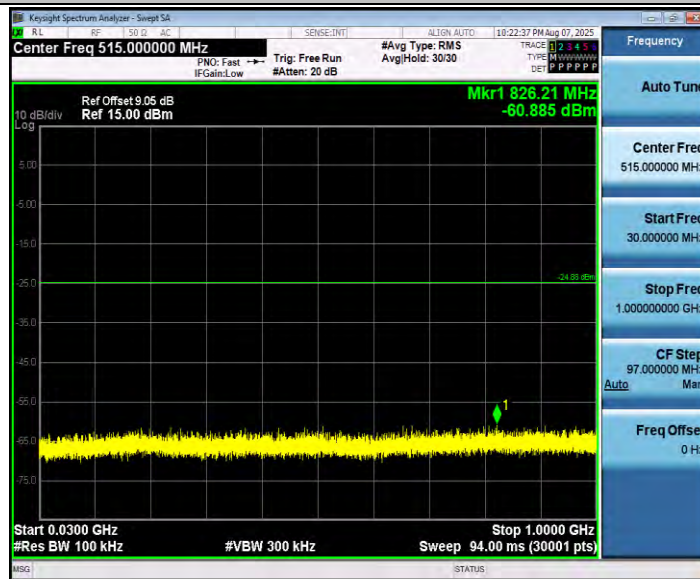
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



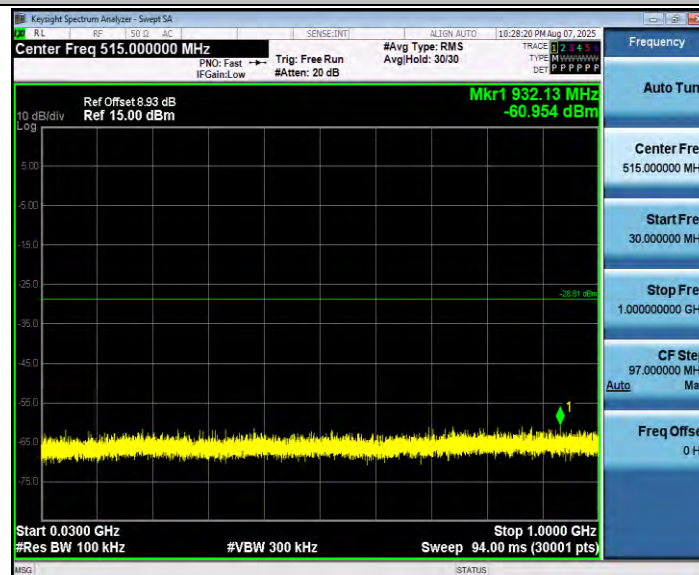
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



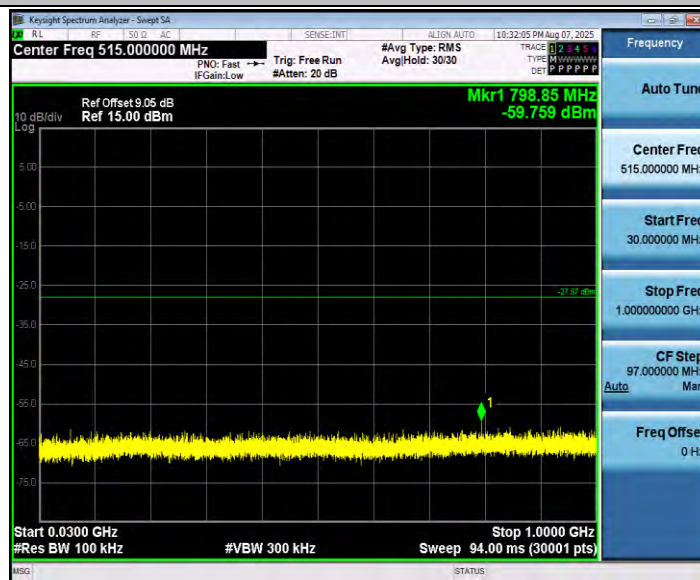
11N40SISO_Ant1_2422_1000~26500



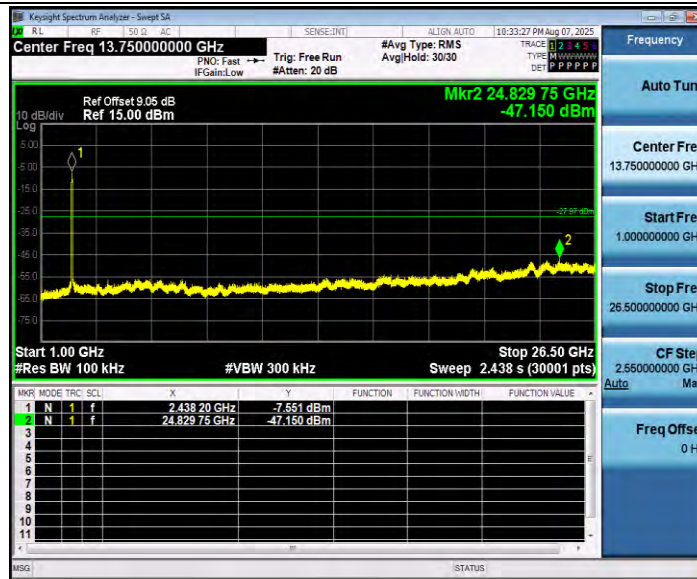
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



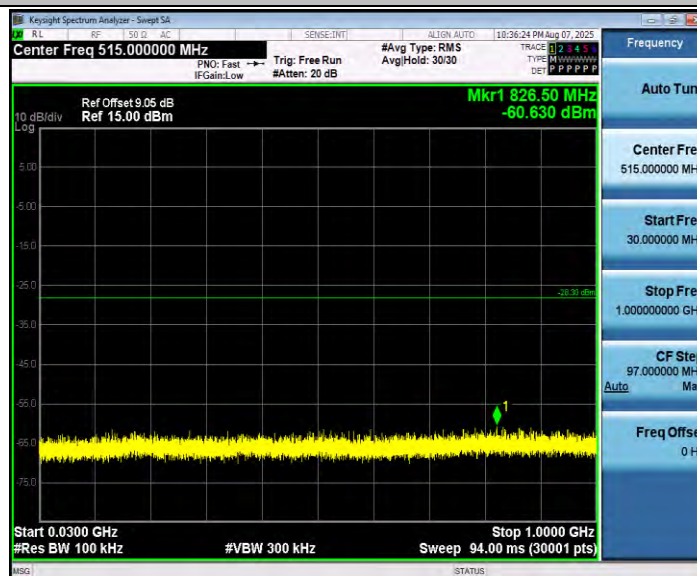
11N40SISO_Ant1_2437_1000~26500

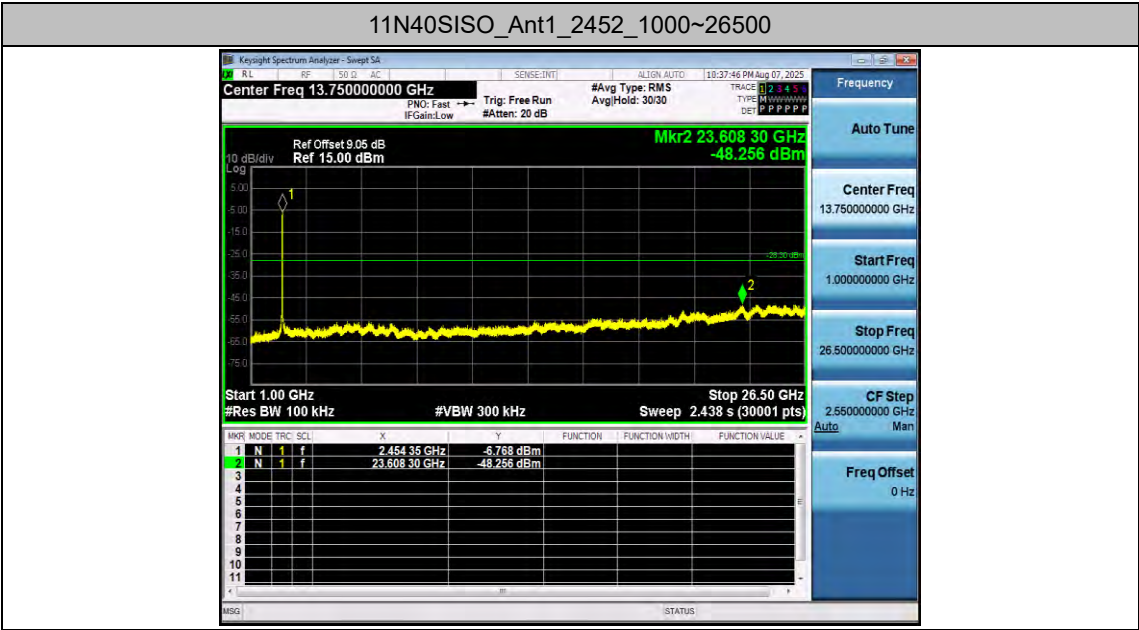


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000





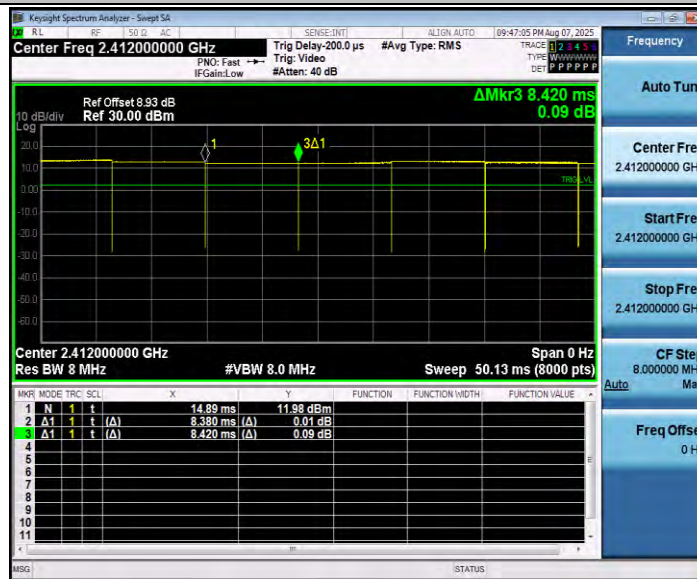
Appendix A.7: Duty Cycle

Test Result

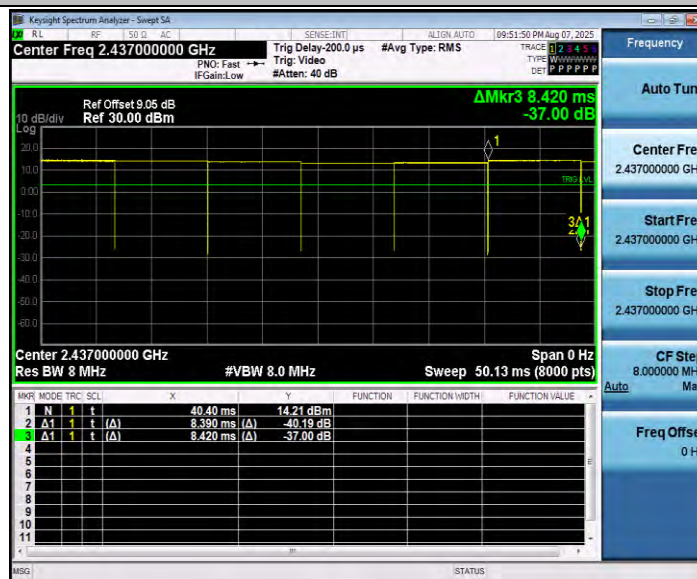
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	8.38	8.42	99.52	0.02	0.12
		2437	8.39	8.42	99.64	0.02	0.12
		2462	8.39	8.42	99.64	0.02	0.12
11G	Ant1	2412	50.00	50.00	100.00	0.00	0.02
		2437	50.00	50.00	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

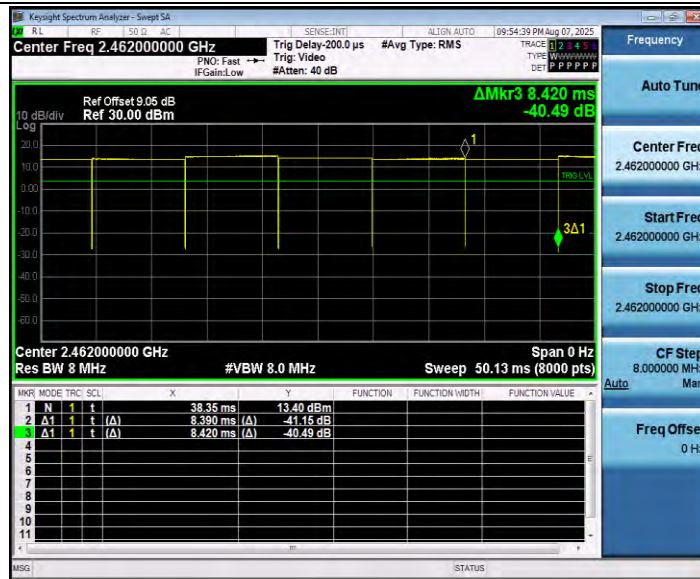
11B_Ant1_2412



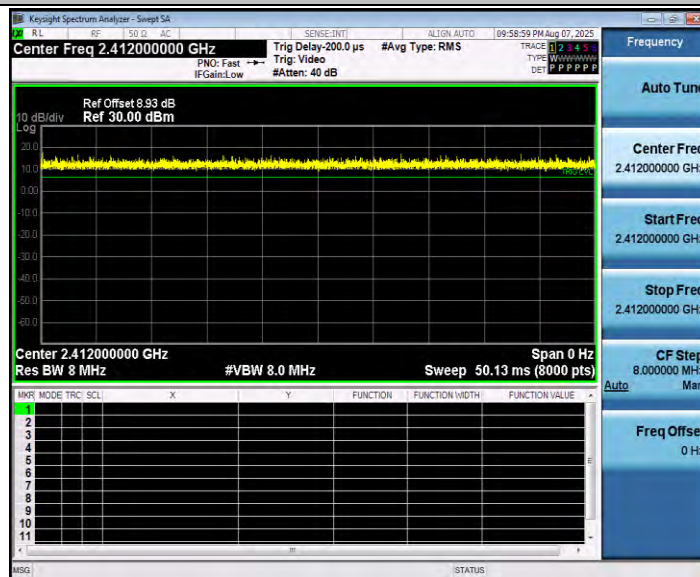
11B_Ant1_2437



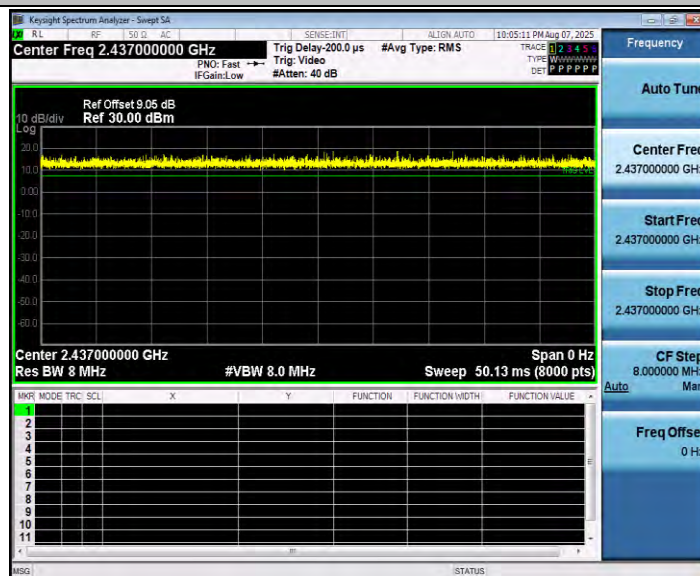
11B_Ant1_2462



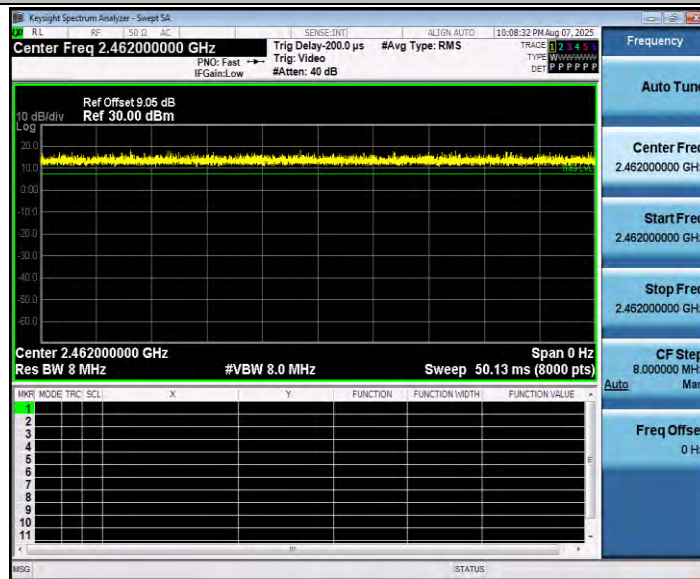
11G_Ant1_2412



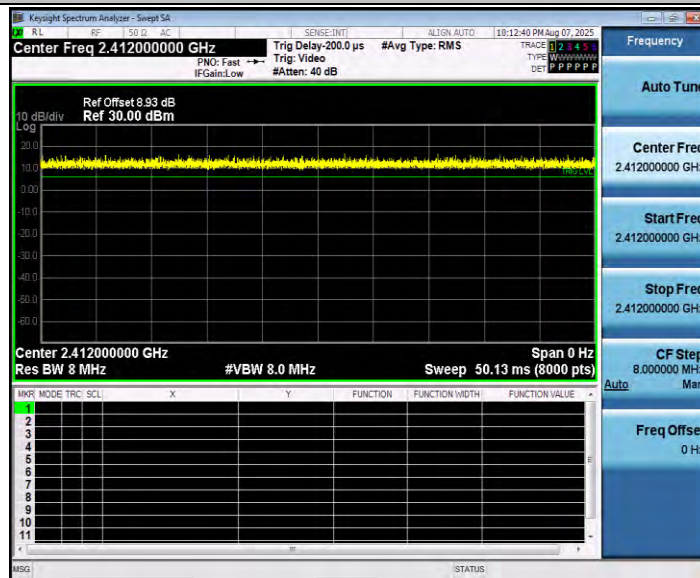
11G_Ant1_2437



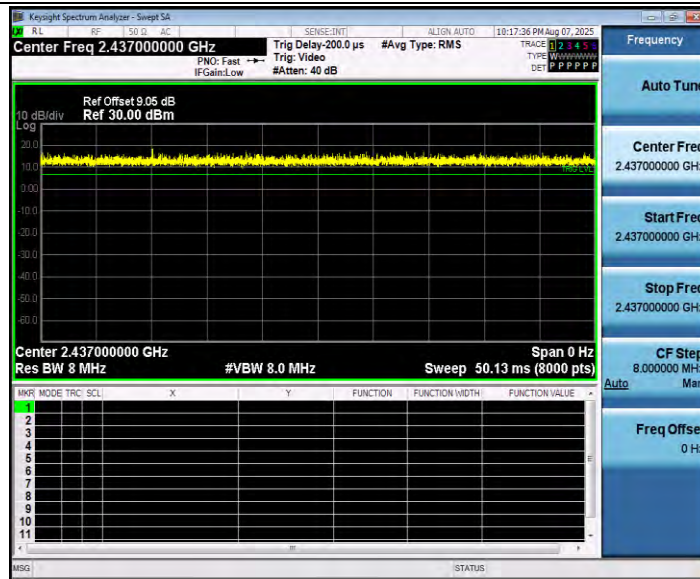
11G_Ant1_2462



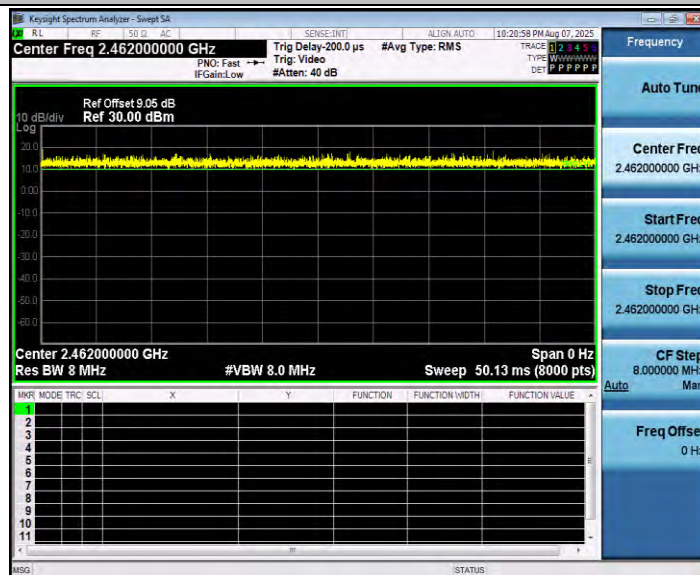
11N20SISO_Ant1_2412



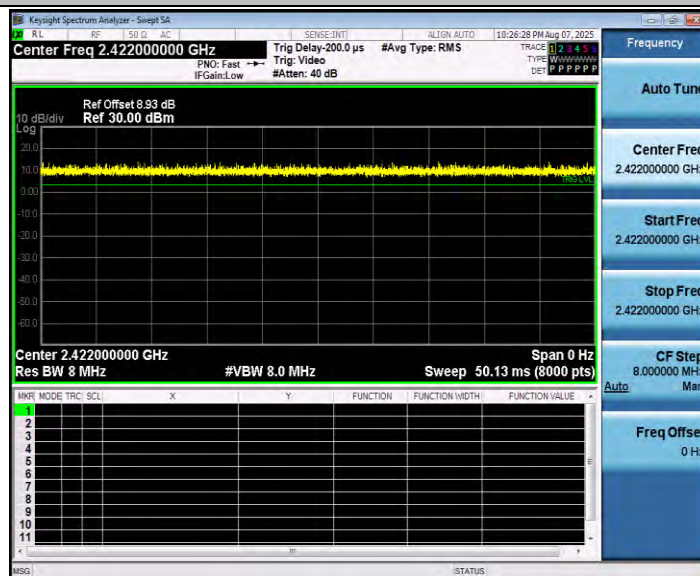
11N20SISO_Ant1_2437



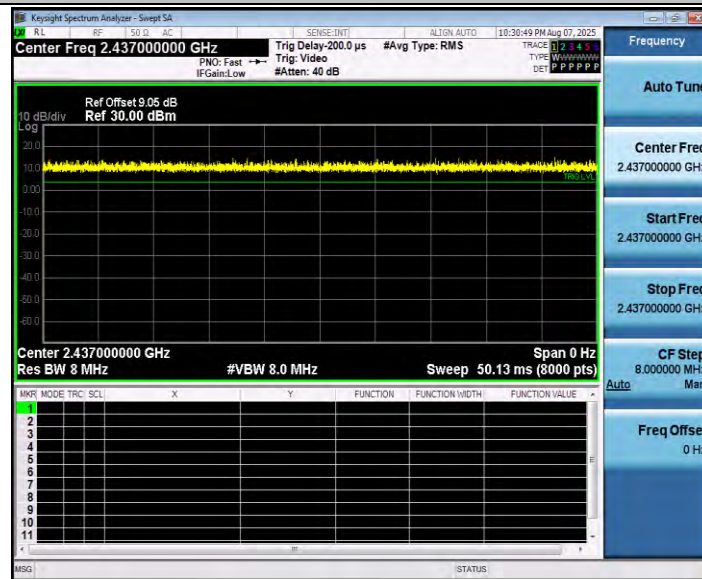
11N20SISO_Ant1_2462



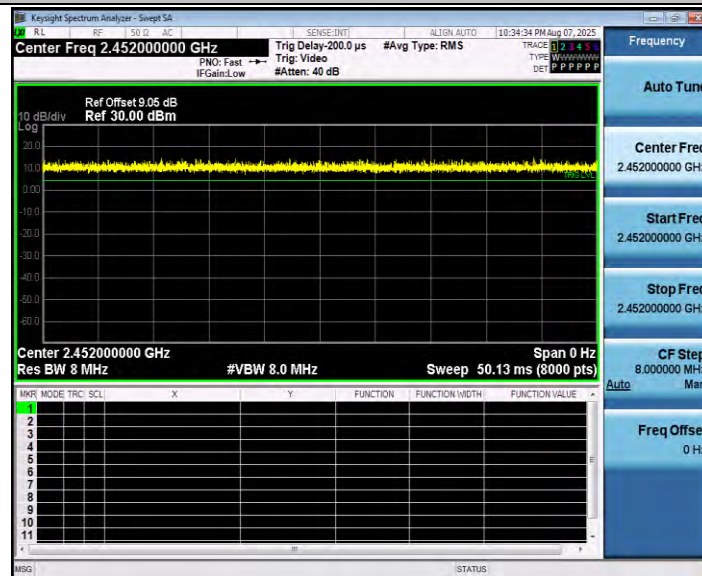
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix 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	-49.59	≤-41.20	45.61	≤54	PASS
				AV	2387.880	-49.07	≤-41.20	46.13	≤54	PASS
				AV	2390.000	-49.12	≤-41.20	46.08	≤54	PASS
				Peak	2310.000	-46.31	≤-21.20	48.89	≤74	PASS
				Peak	2361.230	-40.18	≤-21.20	55.02	≤74	PASS
				Peak	2390.000	-45.91	≤-21.20	49.29	≤74	PASS
		High	2462	AV	2483.500	-48.95	≤-41.20	46.25	≤54	PASS
				AV	2498.300	-48.67	≤-41.20	46.53	≤54	PASS
				AV	2500.000	-48.71	≤-41.20	46.49	≤54	PASS
				Peak	2483.500	-45.67	≤-21.20	49.53	≤74	PASS
				Peak	2497.090	-40.43	≤-21.20	54.77	≤74	PASS
				Peak	2500.000	-45.65	≤-21.20	49.55	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.37	≤-41.20	45.83	≤54	PASS
				AV	2389.960	-48.25	≤-41.20	46.95	≤54	PASS
				AV	2390.000	-48.25	≤-41.20	46.95	≤54	PASS
				Peak	2310.000	-50.35	≤-21.20	44.85	≤74	PASS
				Peak	2360.320	-40.06	≤-21.20	55.14	≤74	PASS
				Peak	2390.000	-45.16	≤-21.20	50.04	≤74	PASS
		High	2462	AV	2483.500	-48.11	≤-41.20	47.09	≤54	PASS
				AV	2483.890	-48.13	≤-41.20	47.07	≤54	PASS
				AV	2500.000	-48.17	≤-41.20	47.03	≤54	PASS
				Peak	2483.500	-41.9	≤-21.20	53.30	≤74	PASS
				Peak	2493.790	-40.89	≤-21.20	54.31	≤74	PASS
				Peak	2500.000	-46.25	≤-21.20	48.95	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.35	≤-41.20	45.85	≤54	PASS
				AV	2389.960	-48.07	≤-41.20	47.13	≤54	PASS
				AV	2390.000	-48.07	≤-41.20	47.13	≤54	PASS
				Peak	2310.000	-46.81	≤-21.20	48.39	≤74	PASS
				Peak	2315.990	-39.78	≤-21.20	55.42	≤74	PASS
				Peak	2390.000	-47.77	≤-21.20	47.43	≤74	PASS
		High	2462	AV	2483.500	-48.1	≤-41.20	47.10	≤54	PASS
				AV	2483.670	-48.09	≤-41.20	47.11	≤54	PASS
				AV	2500.000	-48.22	≤-41.20	46.98	≤54	PASS
				Peak	2483.500	-42.79	≤-21.20	52.41	≤74	PASS
				Peak	2487.960	-39.91	≤-21.20	55.29	≤74	PASS
				Peak	2500.000	-47.85	≤-21.20	47.35	≤74	PASS
11N40SIS	Ant1	Low	2422	AV	2310.000	-49.39	≤-41.20	45.81	≤54	PASS

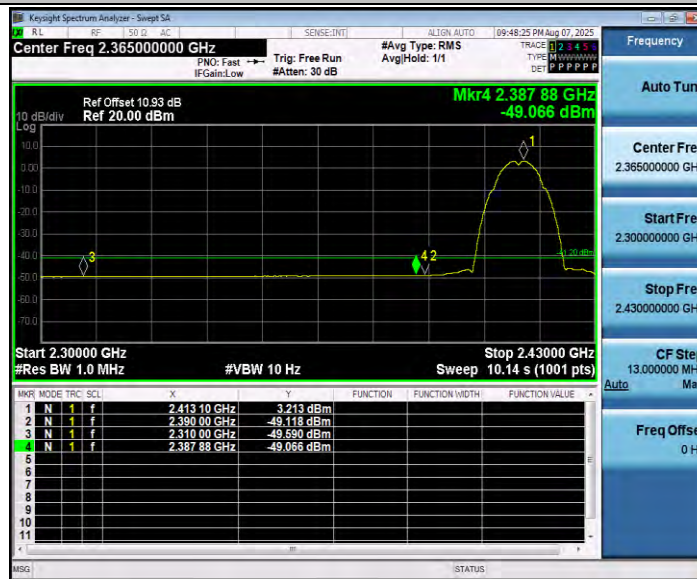
O				AV	2389.960	-47.29	≤-41.20	47.91	≤54	PASS
				AV	2390.000	-47.29	≤-41.20	47.91	≤54	PASS
				Peak	2310.000	-46.22	≤-21.20	48.98	≤74	PASS
				Peak	2381.510	-40.44	≤-21.20	54.76	≤74	PASS
				Peak	2390.000	-43.66	≤-21.20	51.54	≤74	PASS
		High	2452	AV	2483.500	-47.47	≤-41.20	47.73	≤54	PASS
				AV	2484.440	-47.39	≤-41.20	47.81	≤54	PASS
				AV	2500.000	-48.22	≤-41.20	46.98	≤54	PASS
				Peak	2483.500	-41	≤-21.20	54.20	≤74	PASS
				Peak	2497.200	-40.84	≤-21.20	54.36	≤74	PASS
				Peak	2500.000	-47.76	≤-21.20	47.44	≤74	PASS

Note:

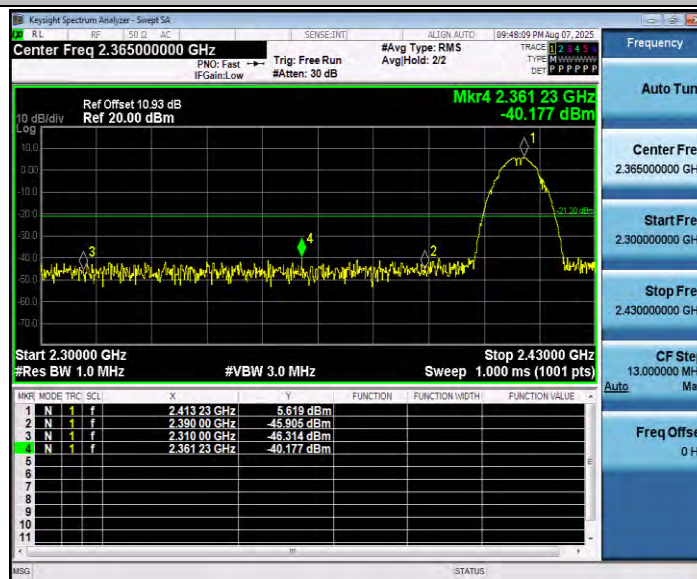
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

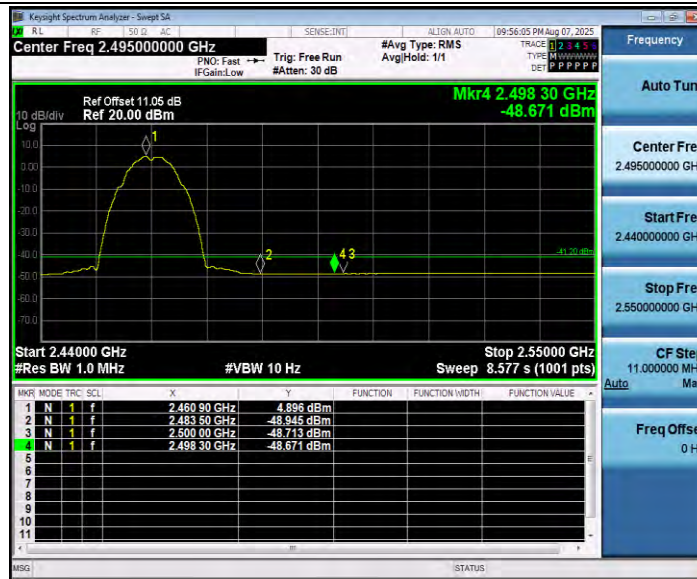
11B_Ant1_Low_2412_AV



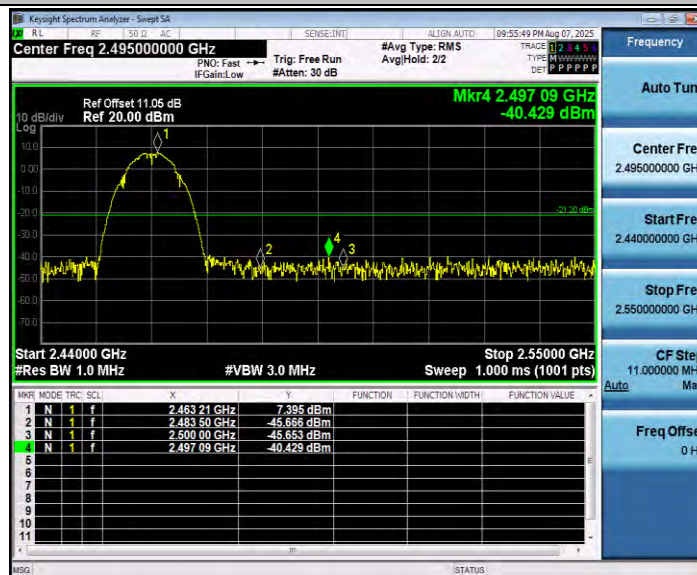
11B_Ant1_Low_2412_Peak



11B_Ant1_High_2462_AV



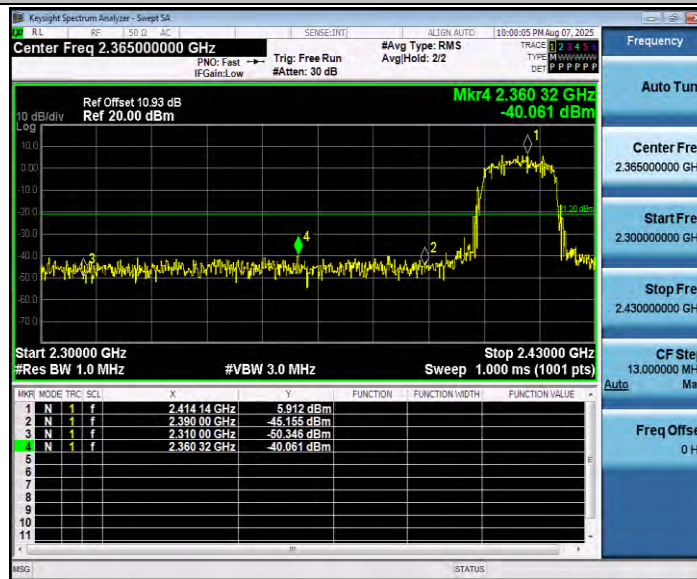
11B_Ant1_High_2462_Peak



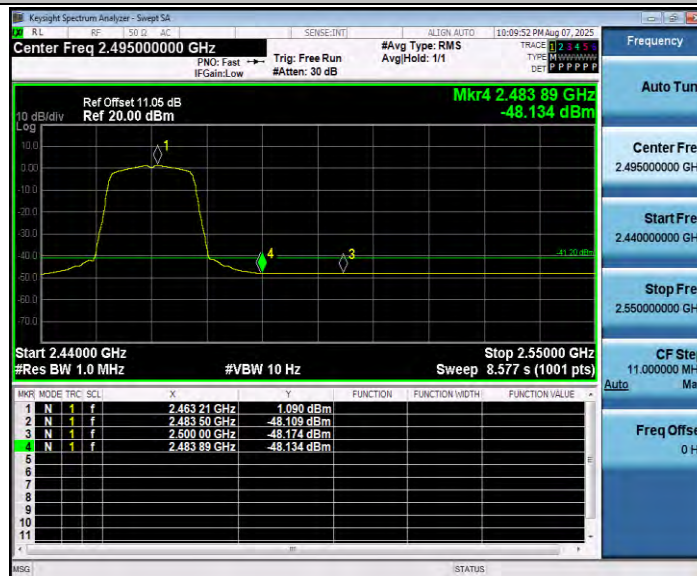
11G_Ant1_Low_2412_AV



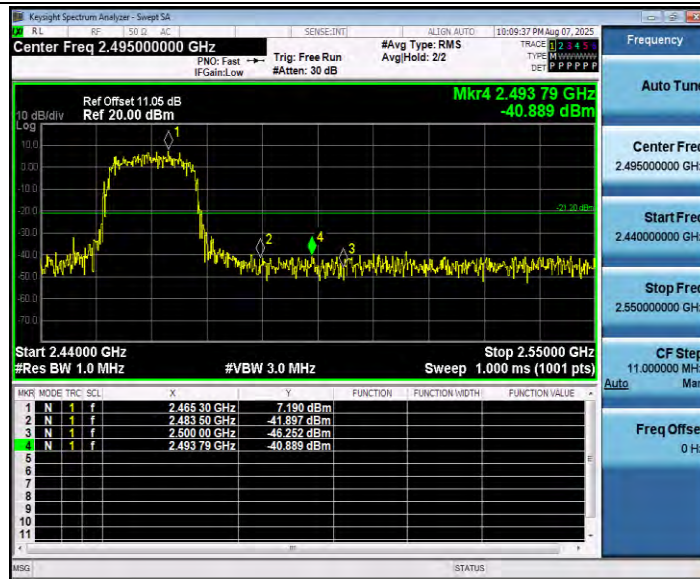
11G_Ant1_Low_2412_Peak



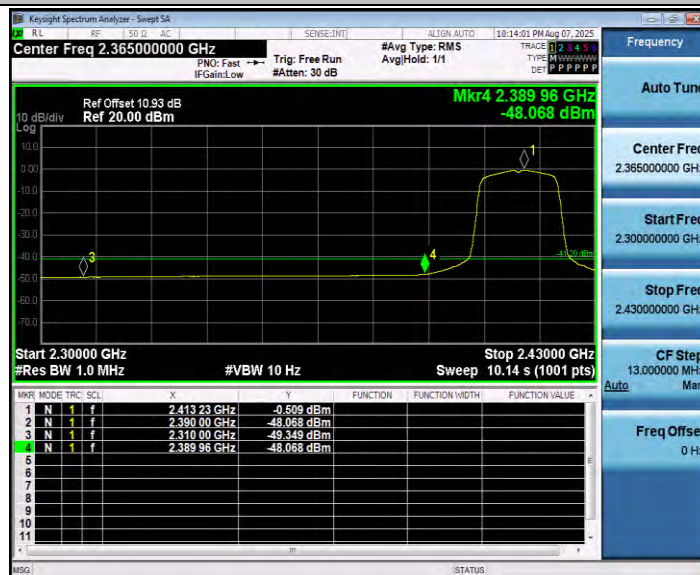
11G_Ant1_High_2462_AV



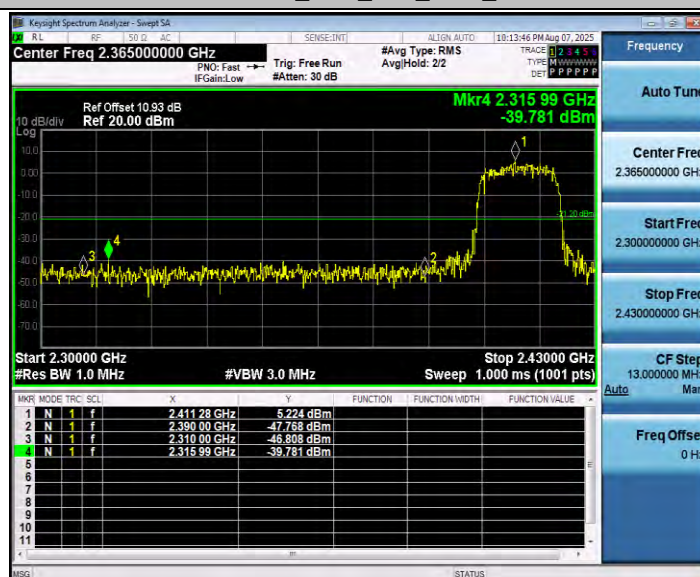
11G_Ant1_High_2462_Peak



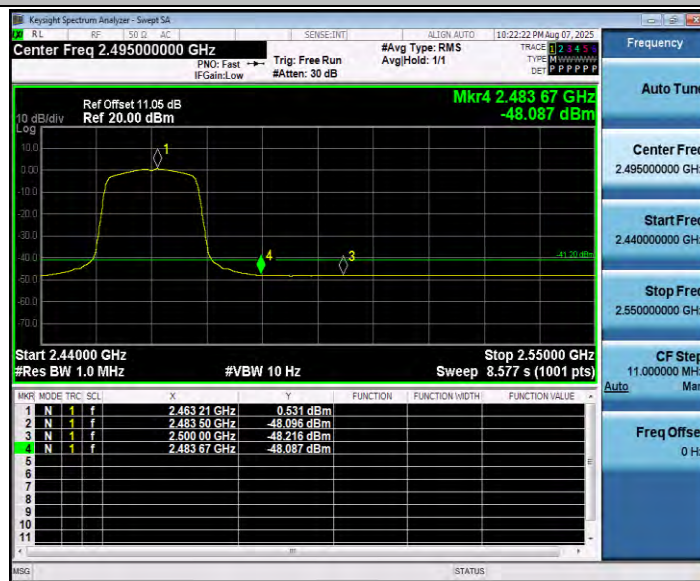
11N20SISO_Ant1_Low_2412_AV



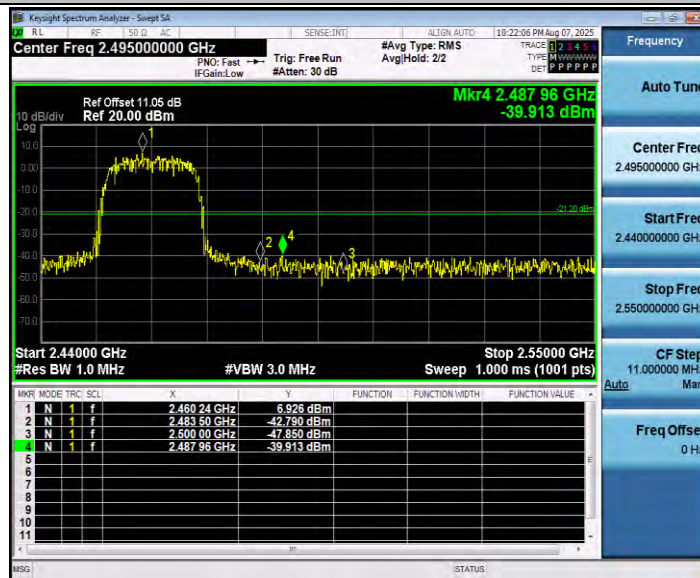
11N20SISO_Ant1_Low_2412_Peak



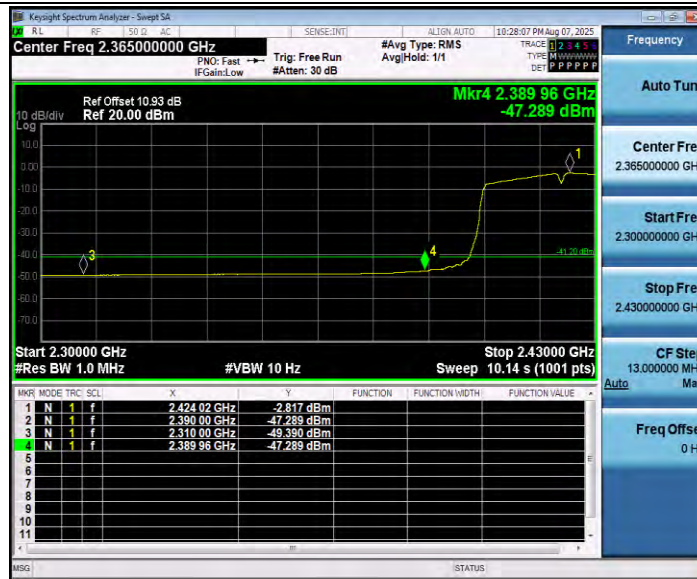
11N20SISO_Ant1_High_2462_AV



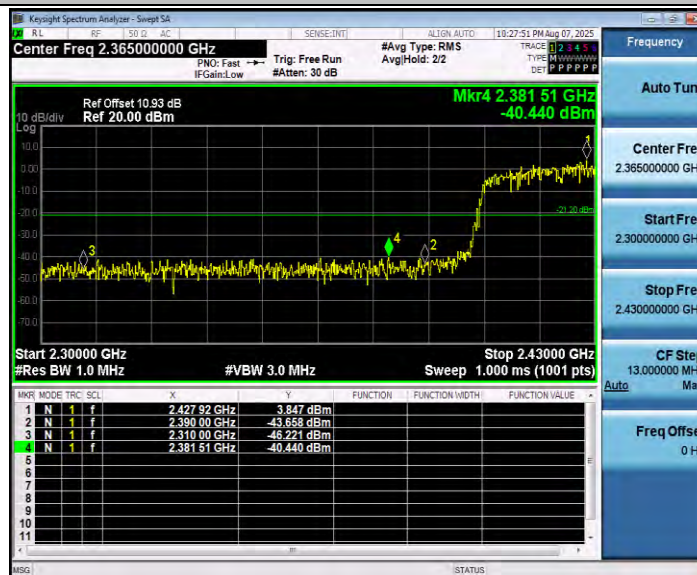
11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV



