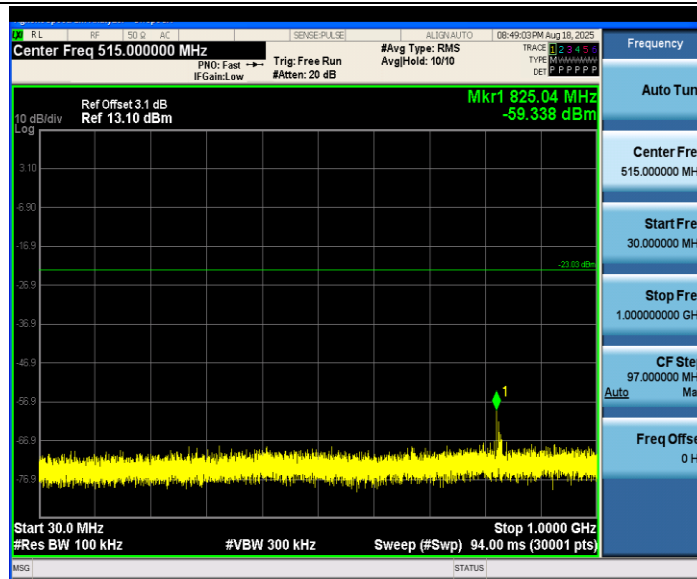
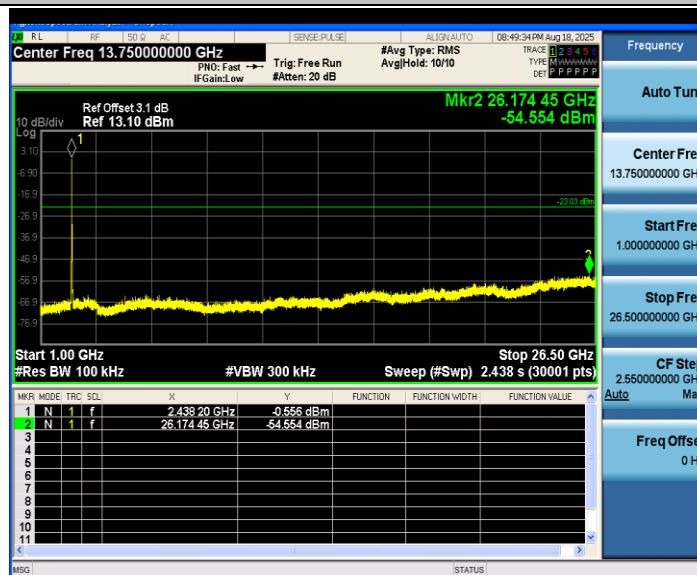
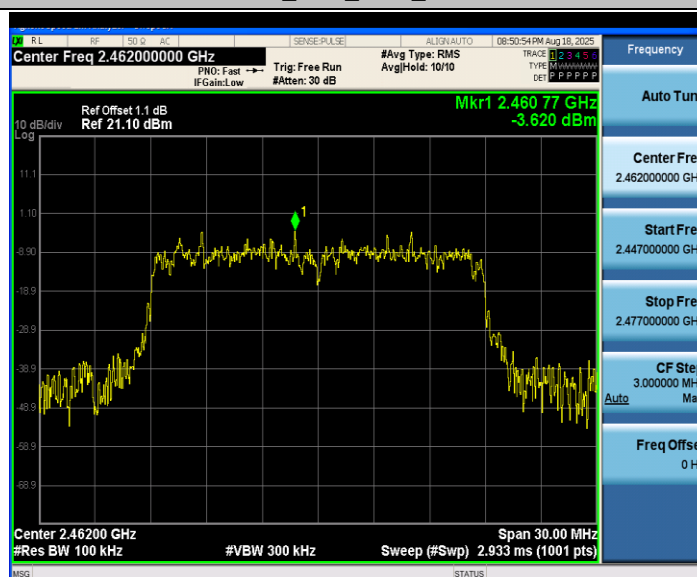




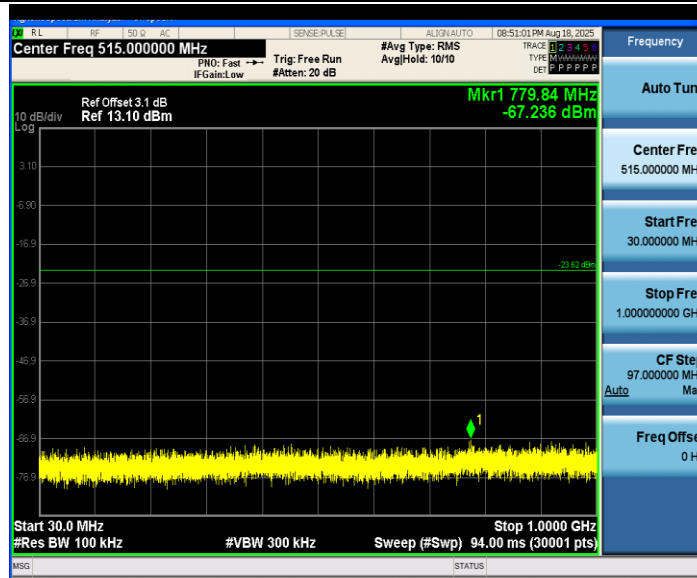
11N20ISO_Ant1_2437_1000~26500



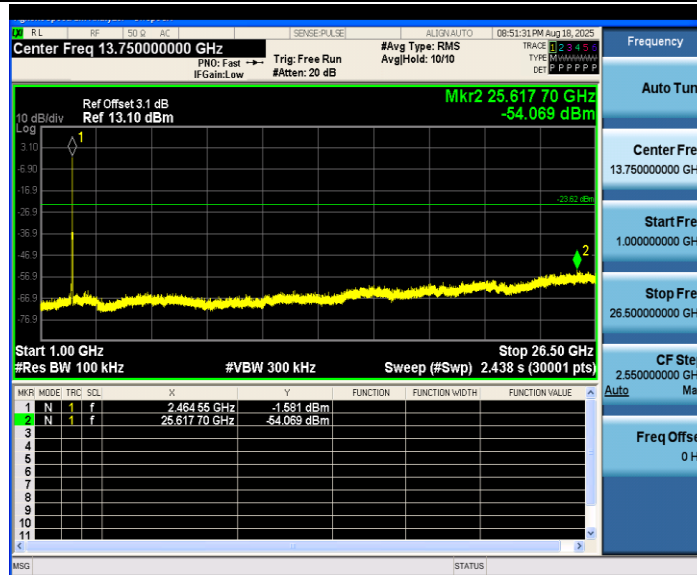
11N20ISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



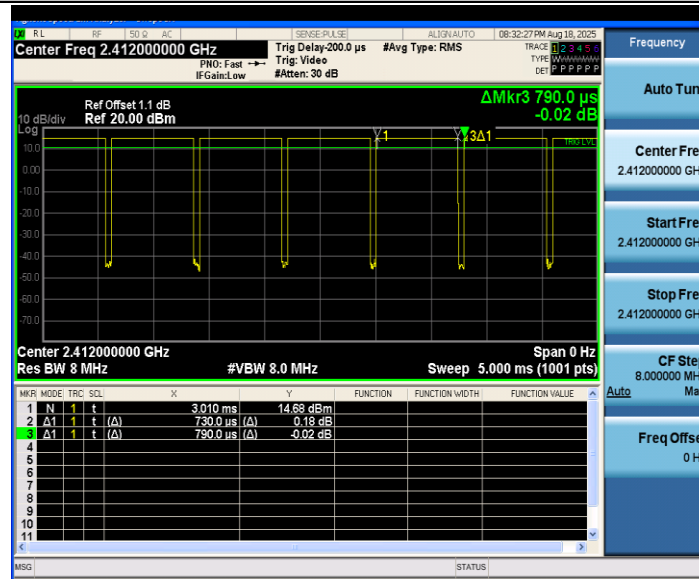
Appendix G: Duty Cycle

Test Result

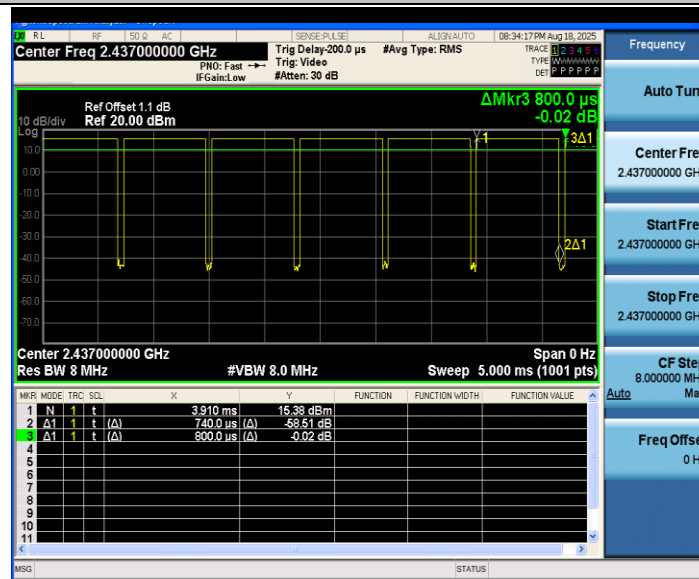
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	0.73	0.79	92.41
		2437	0.74	0.80	92.50
		2462	0.74	0.80	92.50
11G	Ant1	2412	0.11	0.18	61.11
		2437	0.12	0.18	66.67
		2462	0.12	0.18	66.67
11N20SISO	Ant1	2412	0.11	0.18	61.11
		2437	0.11	0.18	61.11
		2462	0.11	0.18	61.11

Test Graphs

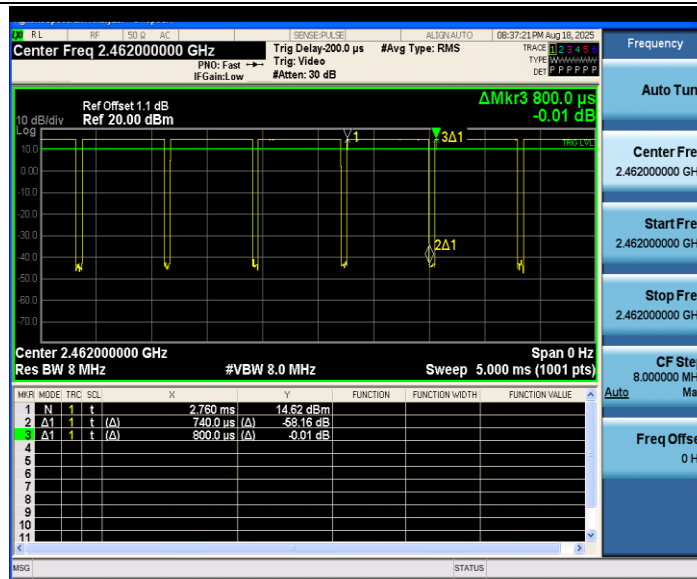
11B_Ant1_2412



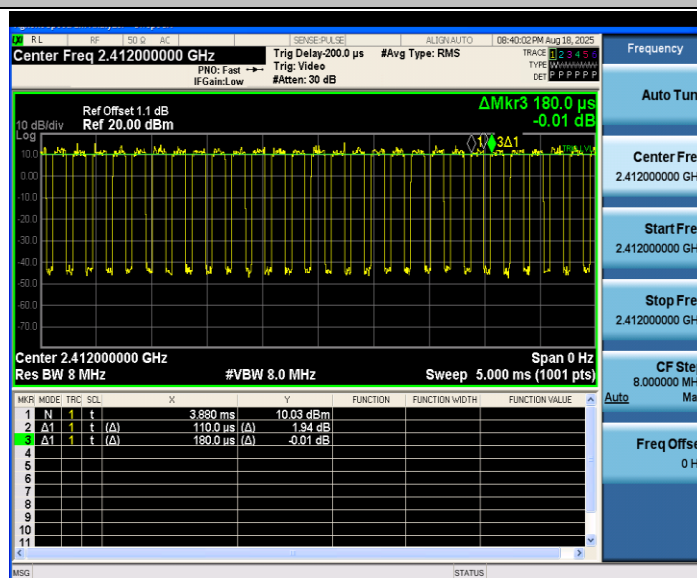
11B_Ant1_2437



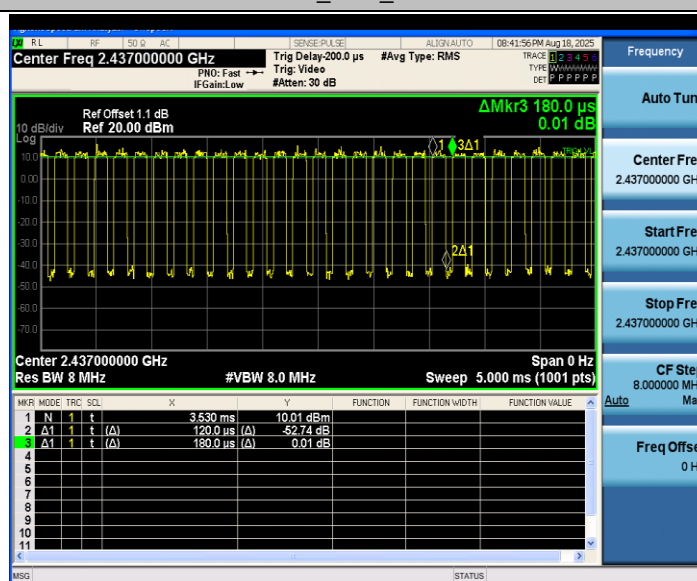
11B_Ant1_2462



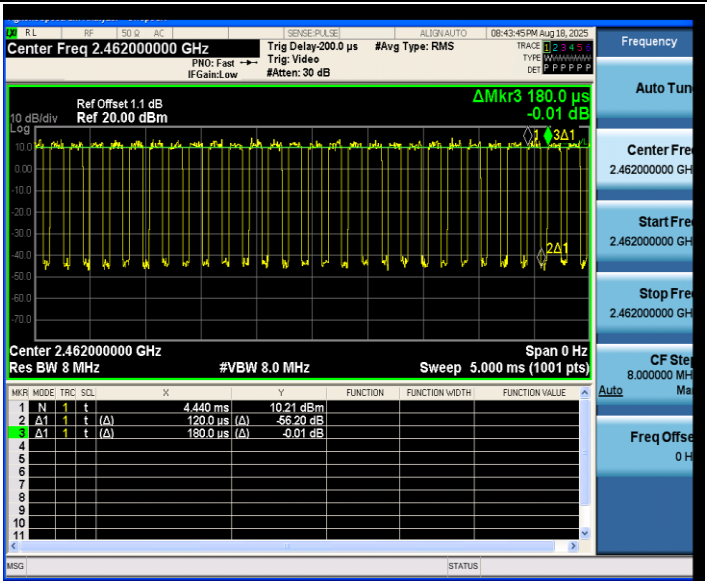
11G_Ant1_2412



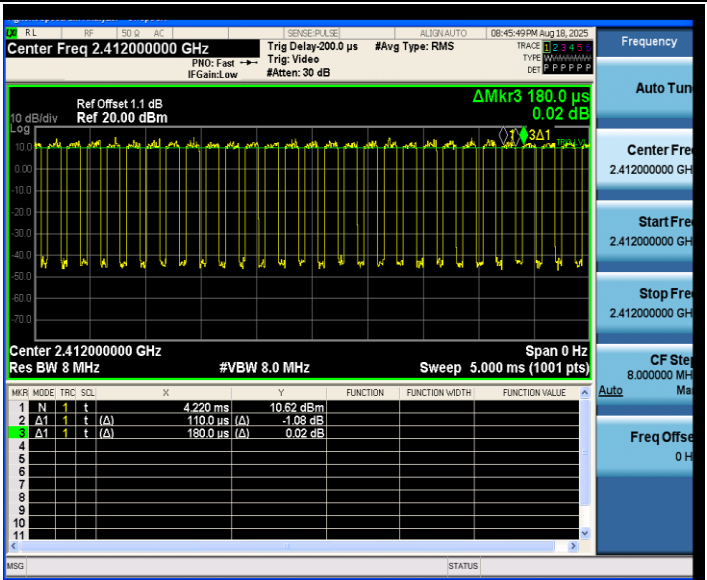
11G_Ant1_2437



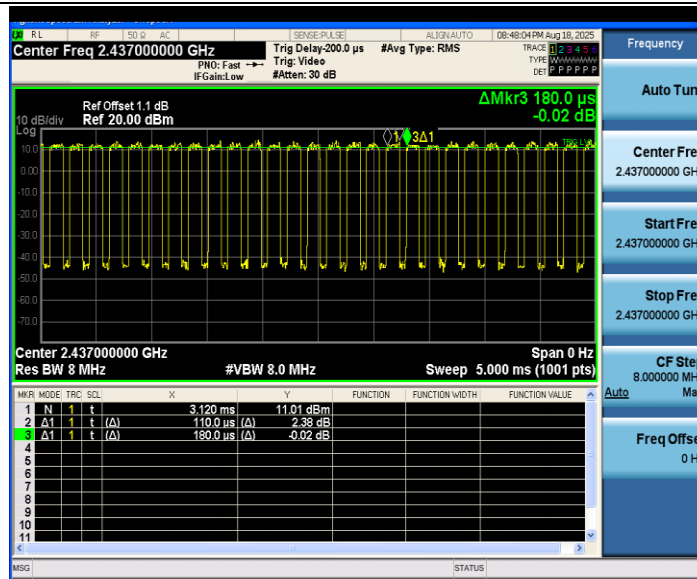
11G_Ant1_2462



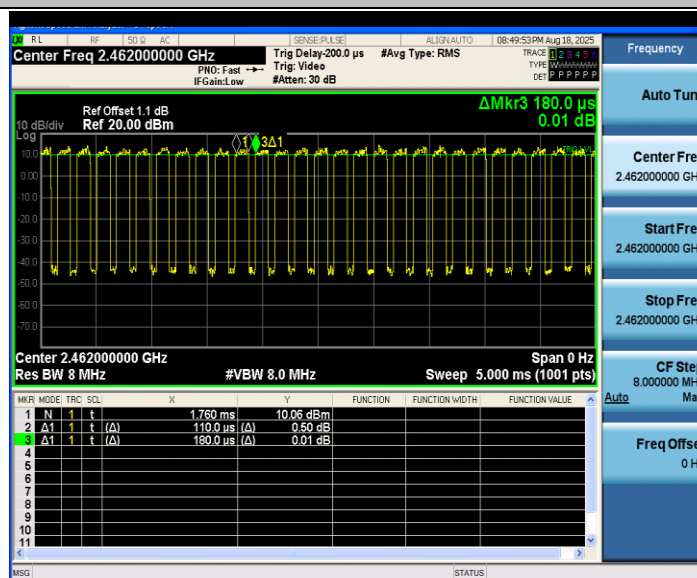
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Test Data for 2.4GWIFI ANT2

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	8.520	2407.960	2416.480	0.5	PASS
		2437	8.560	2432.480	2441.040	0.5	PASS
		2462	9.040	2457.520	2466.560	0.5	PASS
11G	Ant2	2412	15.720	2404.440	2420.160	0.5	PASS
		2437	15.760	2428.840	2444.600	0.5	PASS
		2462	16.280	2453.880	2470.160	0.5	PASS
11N20SISO	Ant2	2412	16.040	2404.440	2420.480	0.5	PASS
		2437	16.320	2428.720	2445.040	0.5	PASS
		2462	16.840	2453.400	2470.240	0.5	PASS

Test Graphs

11B_Ant2_2412



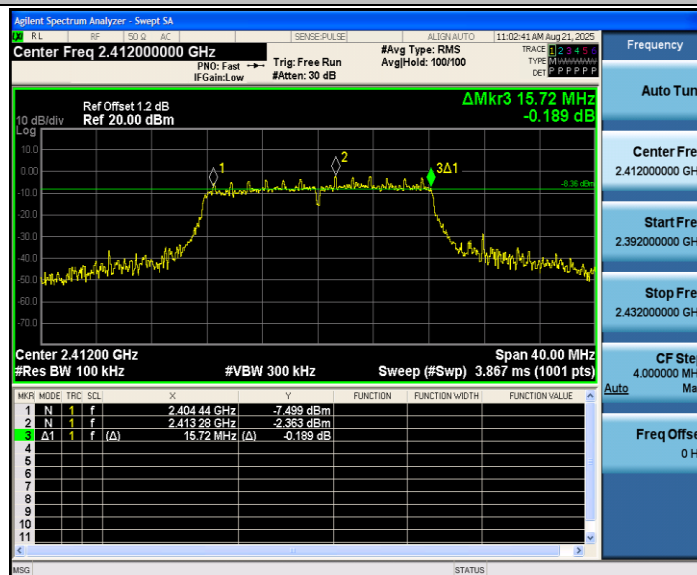
11B_Ant2_2437



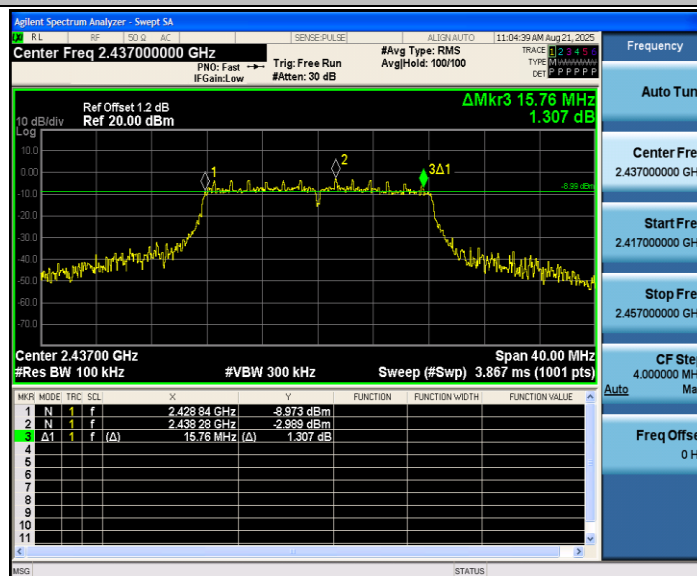
11B_Ant2_2462



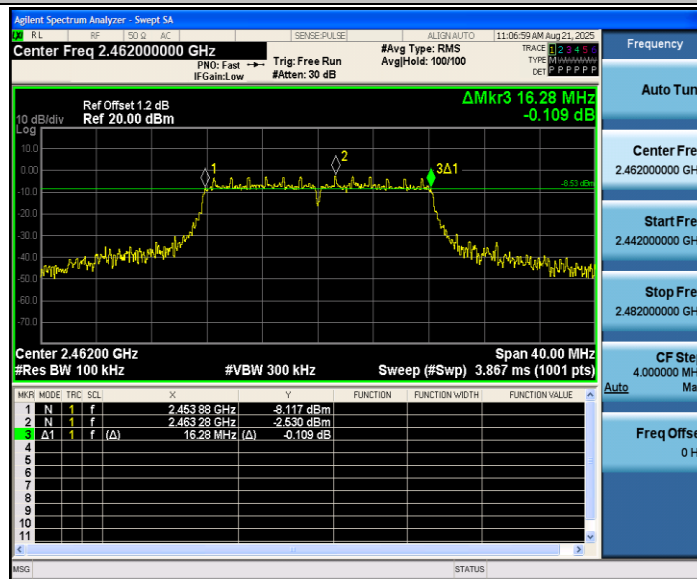
11G_Ant2_2412



11G_Ant2_2437



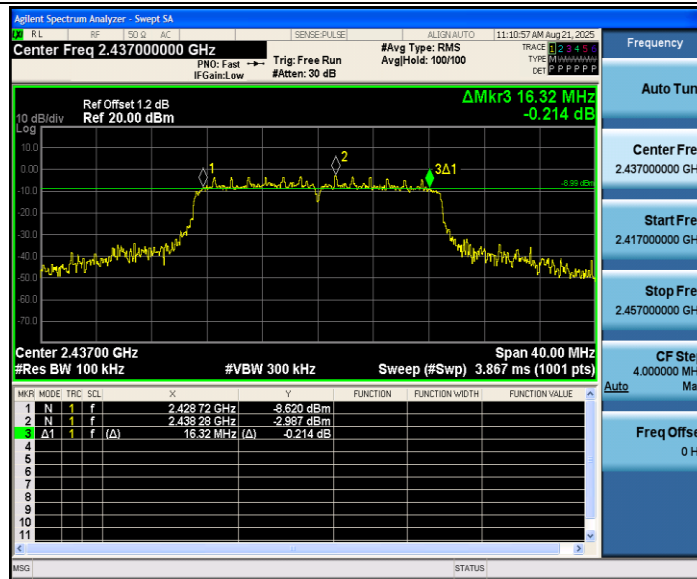
11G_Ant2_2462



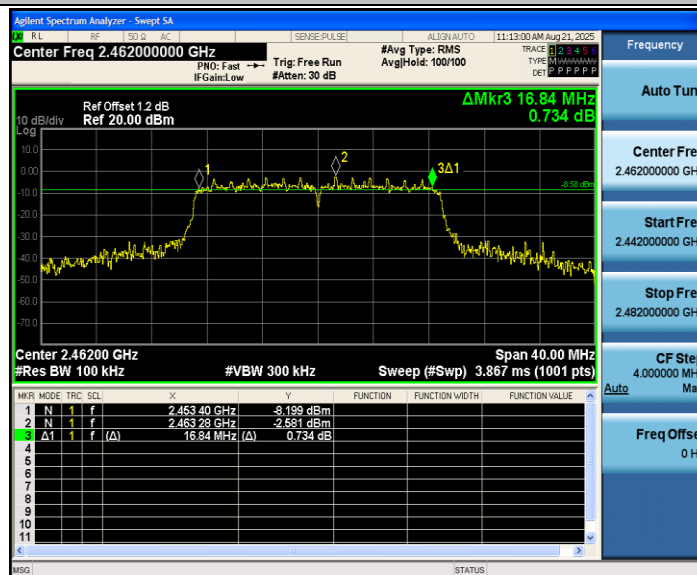
11N20SISO_Ant2_2412



11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



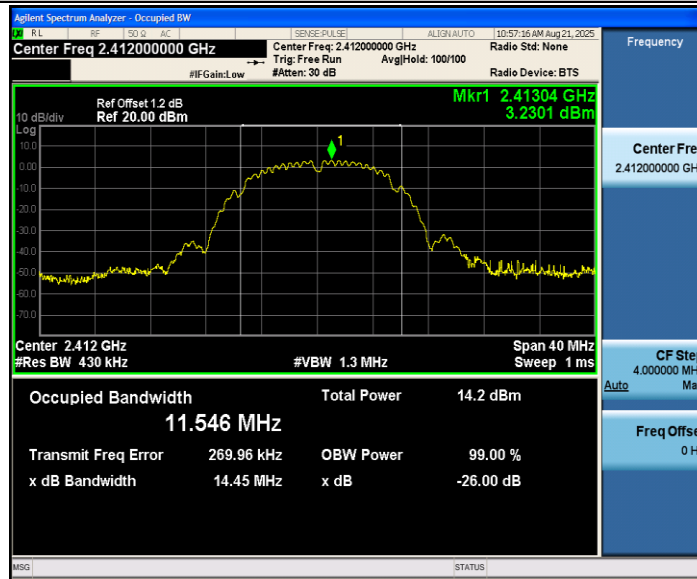
Appendix B: Occupied Channel Bandwidth

Test Result

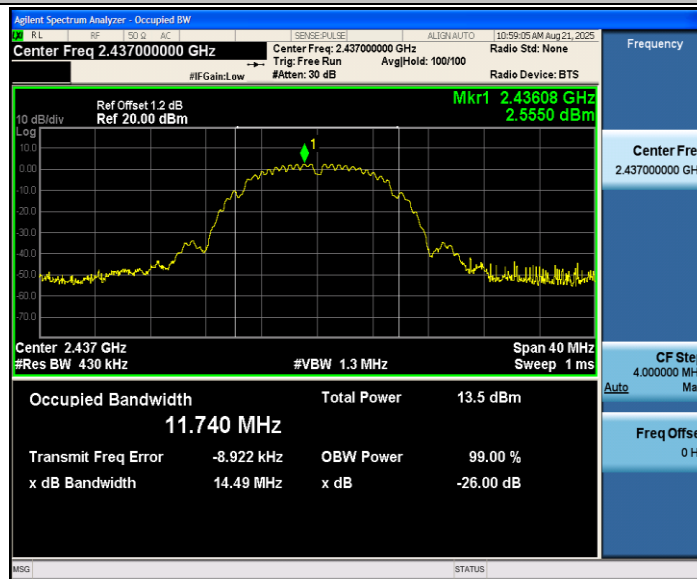
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	11.546	2406.4970	2418.0430	---	---
		2437	11.740	2431.1211	2442.8611	---	---
		2462	11.811	2456.1381	2467.9491	---	---
11G	Ant2	2412	16.640	2403.8323	2420.4723	---	---
		2437	16.590	2428.7380	2445.3280	---	---
		2462	16.732	2453.7041	2470.4361	---	---
11N20SISO	Ant2	2412	17.566	2403.3504	2420.9164	---	---
		2437	17.590	2428.1919	2445.7819	---	---
		2462	17.689	2453.1860	2470.8750	---	---

Test Graphs

11B_Ant2_2412



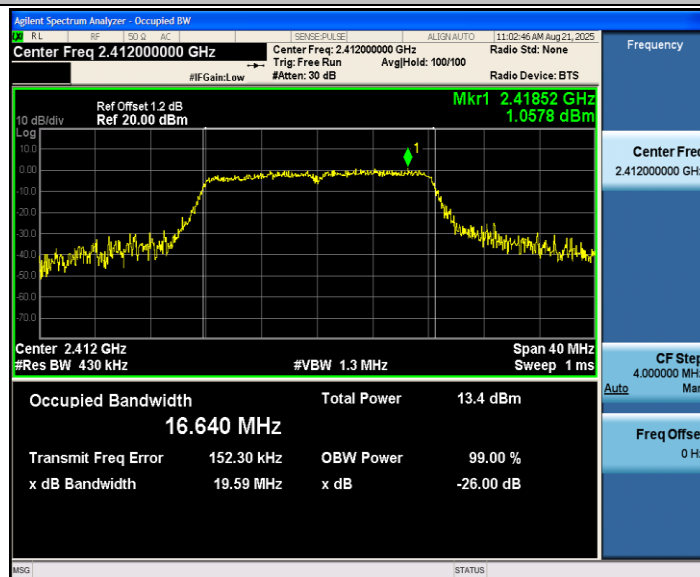
11B_Ant2_2437



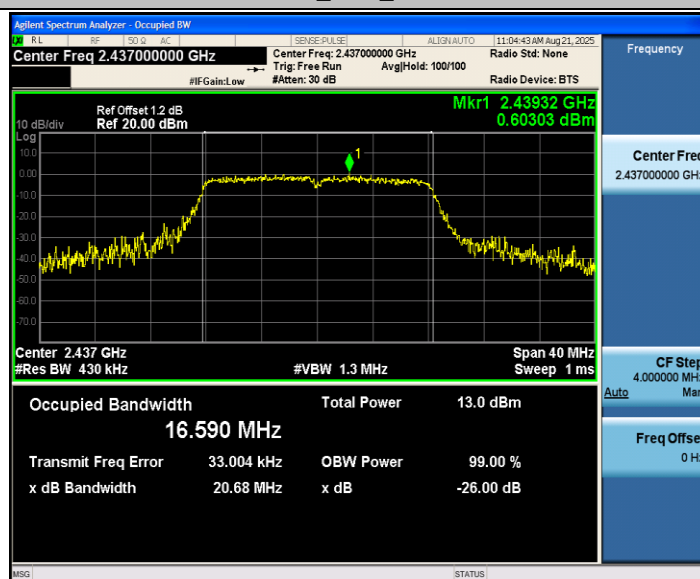
11B_Ant2_2462



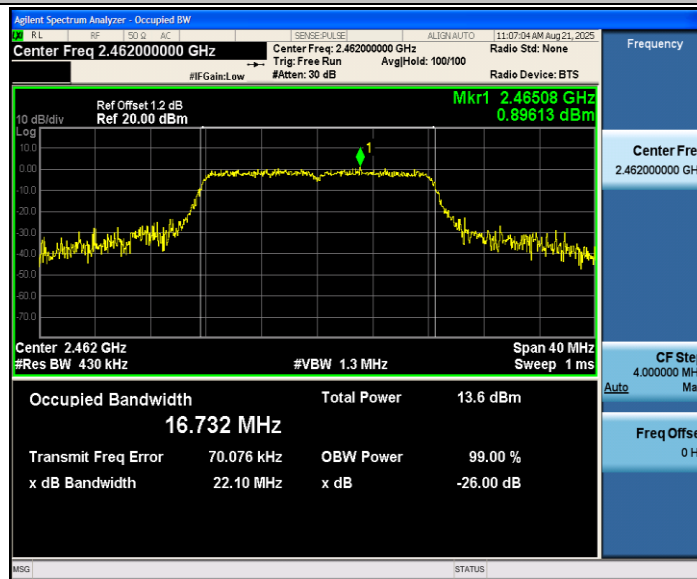
11G_Ant2_2412



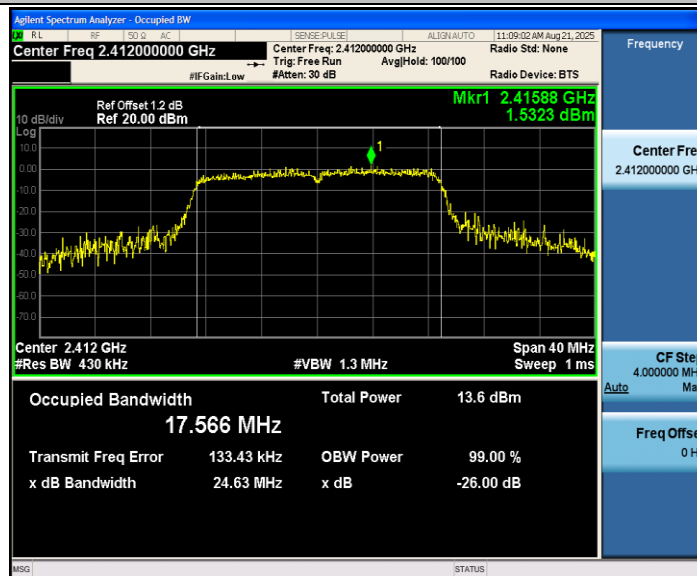
11G_Ant2_2437



11G_Ant2_2462



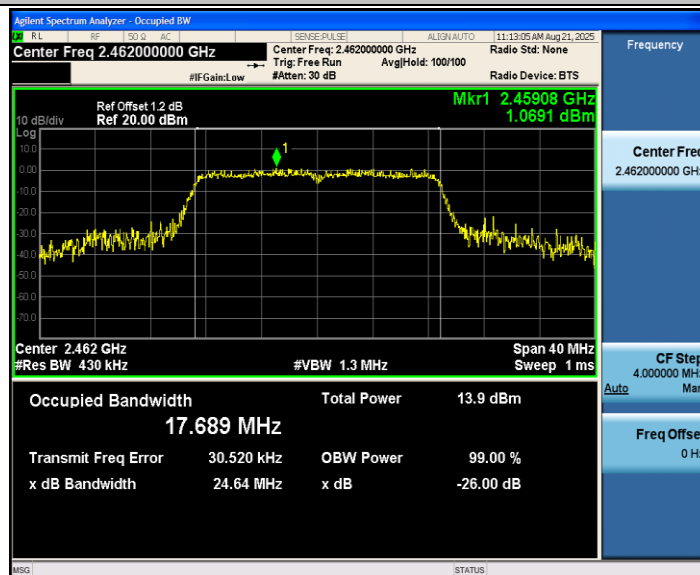
11N20SISO_Ant2_2412



11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	13.93	≤30.00	PASS
		2437	13.27	≤30.00	PASS
		2462	14.05	≤30.00	PASS
11G	Ant2	2412	14.01	≤30.00	PASS
		2437	13.68	≤30.00	PASS
		2462	14.38	≤30.00	PASS
11N20SISO	Ant2	2412	14.13	≤30.00	PASS
		2437	13.93	≤30.00	PASS
		2462	14.63	≤30.00	PASS

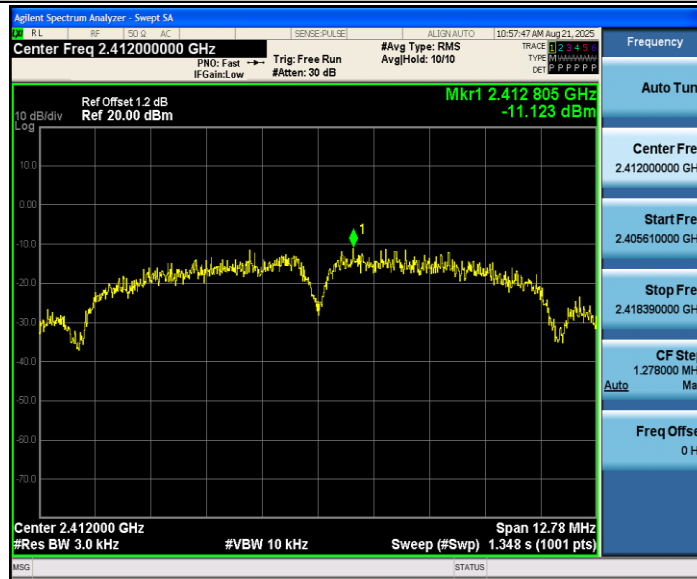
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-11.12	≤8.00	PASS
		2437	-12.05	≤8.00	PASS
		2462	-10.93	≤8.00	PASS
11G	Ant2	2412	-16.53	≤8.00	PASS
		2437	-18.41	≤8.00	PASS
		2462	-17.35	≤8.00	PASS
11N20SISO	Ant2	2412	-16.89	≤8.00	PASS
		2437	-18.24	≤8.00	PASS
		2462	-17.38	≤8.00	PASS

Test Graphs

11B_Ant2_2412



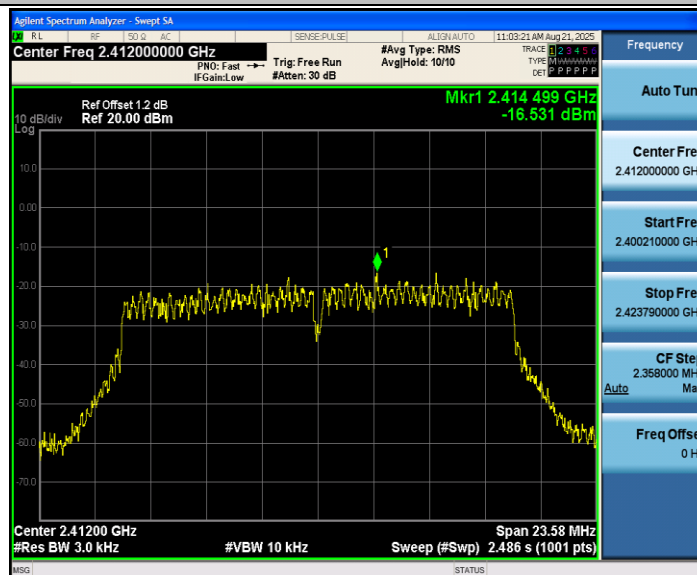
11B_Ant2_2437



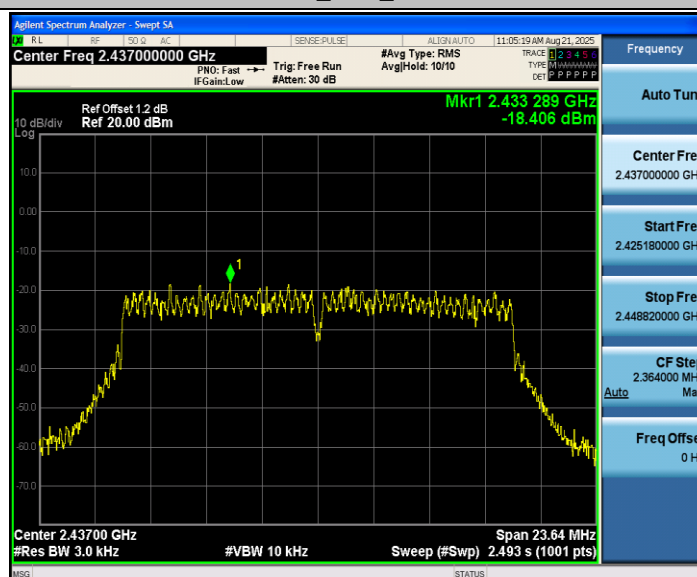
11B_Ant2_2462



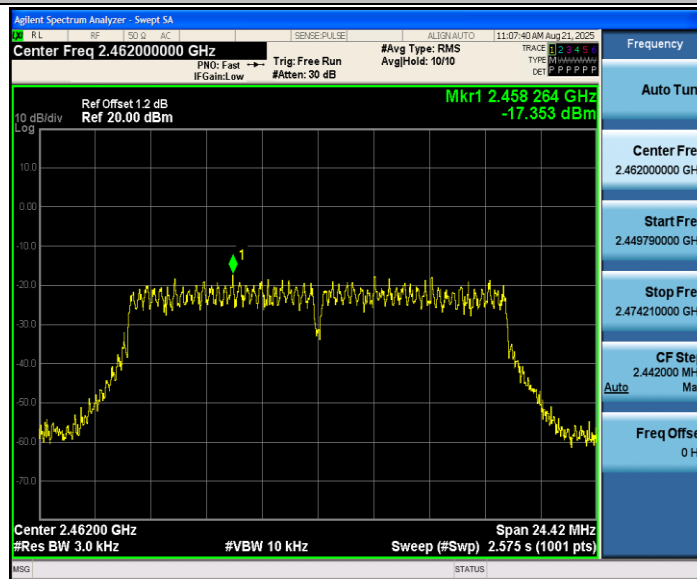
11G_Ant2_2412



11G_Ant2_2437



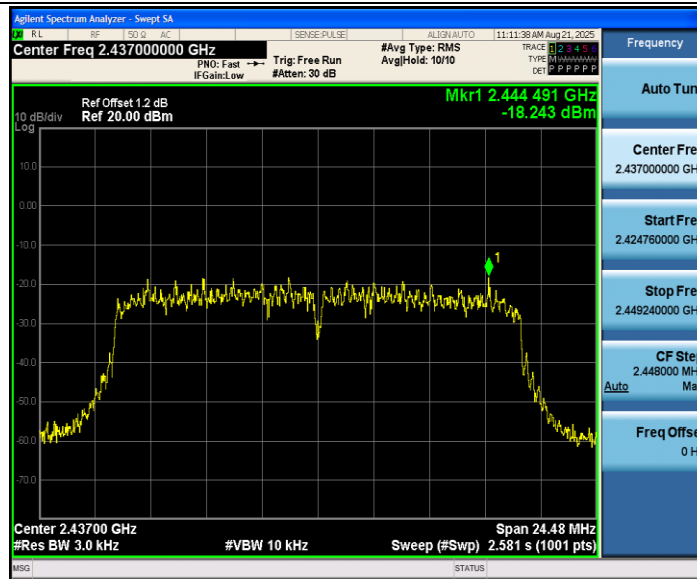
11G_Ant2_2462



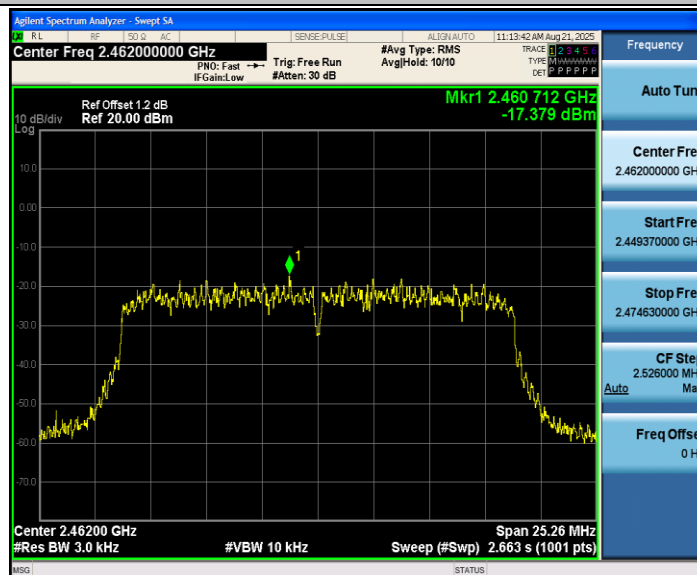
11N20SISO_Ant2_2412



11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



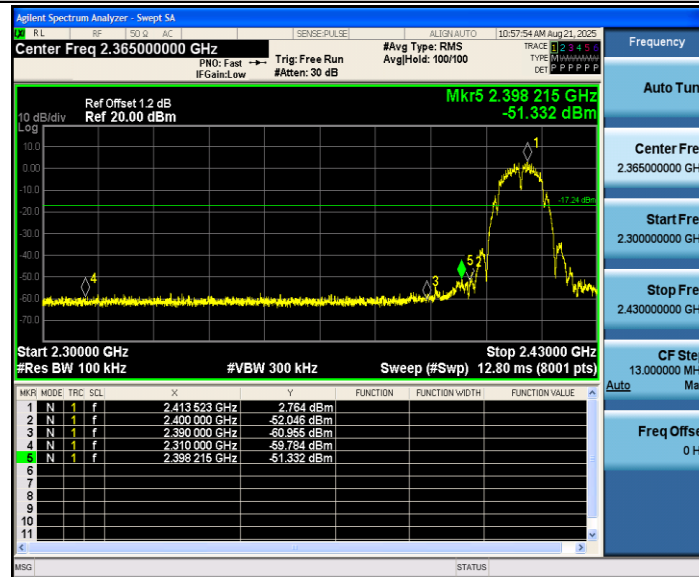
Appendix E: Band edge measurements

Test Result

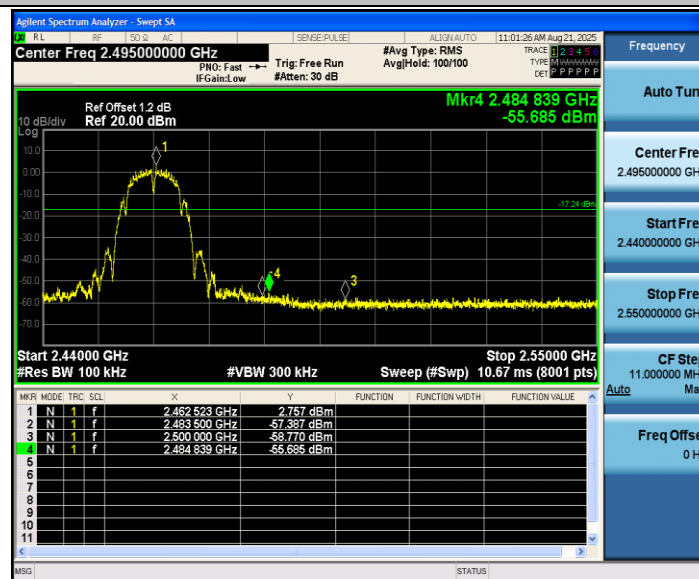
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	2.76	-51.33	≤-17.24	PASS
		High	2462	2.76	-55.69	≤-17.24	PASS
11G	Ant2	Low	2412	-2.46	-37.11	≤-22.46	PASS
		High	2462	-2.48	-45.93	≤-22.48	PASS
11N20SISO	Ant2	Low	2412	-2.32	-37.63	≤-22.32	PASS
		High	2462	-2.76	-45.78	≤-22.76	PASS

Test Graphs

11B_Ant2_Low_2412



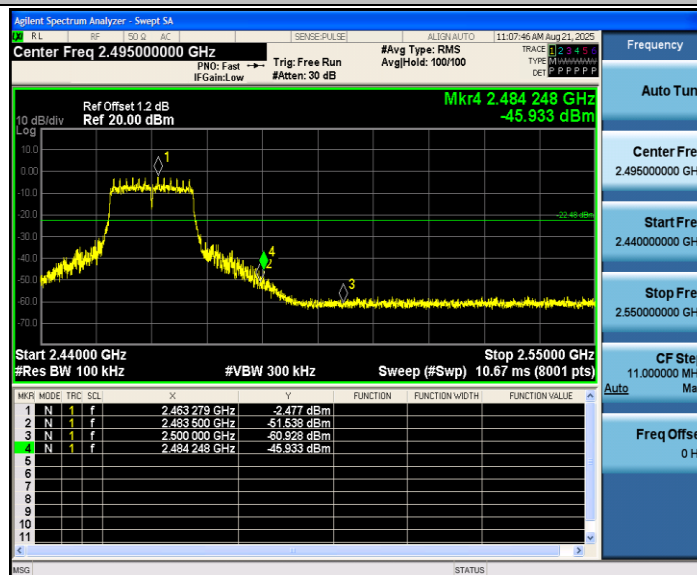
11B_Ant2_High_2462



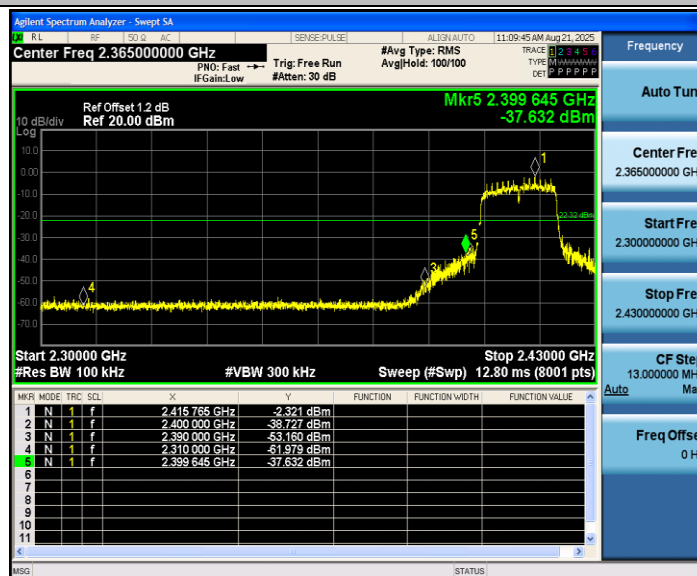
11G_Ant2_Low_2412



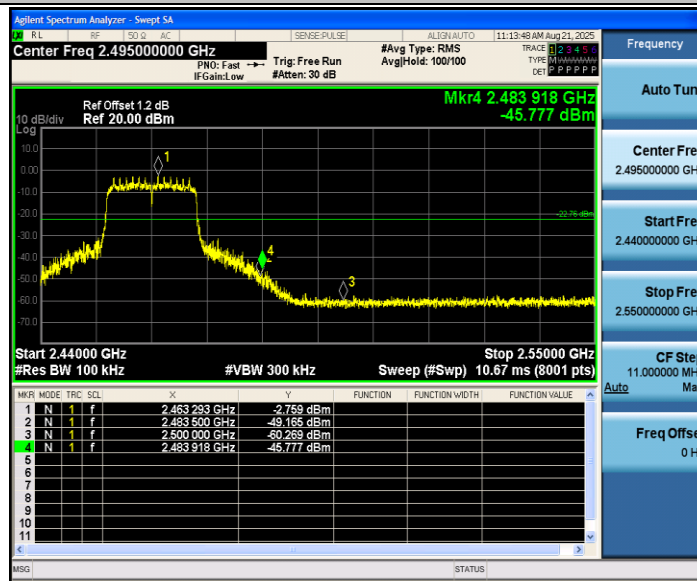
11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



Appendix F: Conducted Spurious Emission

Test Result

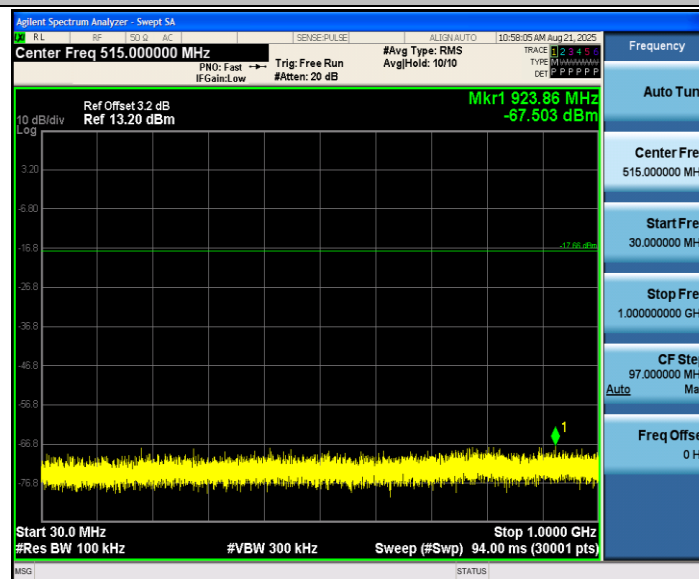
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	2.34	2.34	---	PASS
			30~1000	2.34	-67.5	≤-17.66	PASS
			1000~26500	2.34	-54.43	≤-17.66	PASS
		2437	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-66.77	≤-19.45	PASS
			1000~26500	0.55	-53.04	≤-19.45	PASS
		2462	Reference	1.63	1.63	---	PASS
			30~1000	1.63	-66.89	≤-18.37	PASS
			1000~26500	1.63	-52.34	≤-18.37	PASS
11G	Ant2	2412	Reference	-2.41	-2.41	---	PASS
			30~1000	-2.41	-66.51	≤-22.41	PASS
			1000~26500	-2.41	-53.95	≤-22.41	PASS
		2437	Reference	-3.75	-3.75	---	PASS
			30~1000	-3.75	-67.07	≤-23.75	PASS
			1000~26500	-3.75	-53.18	≤-23.75	PASS
		2462	Reference	-3.59	-3.59	---	PASS
			30~1000	-3.59	-67.48	≤-23.59	PASS
			1000~26500	-3.59	-54.36	≤-23.59	PASS
11N20SISO	Ant2	2412	Reference	-2.48	-2.48	---	PASS
			30~1000	-2.48	-67.25	≤-22.48	PASS
			1000~26500	-2.48	-53.22	≤-22.48	PASS
		2437	Reference	-3.64	-3.64	---	PASS
			30~1000	-3.64	-66.46	≤-23.64	PASS
			1000~26500	-3.64	-54.72	≤-23.64	PASS
		2462	Reference	-3.06	-3.06	---	PASS
			30~1000	-3.06	-66.83	≤-23.06	PASS
			1000~26500	-3.06	-53.24	≤-23.06	PASS

Test Graphs

11B_Ant2_2412_0~Reference



11B_Ant2_2412_30~1000



11B_Ant2_2412_1000~26500