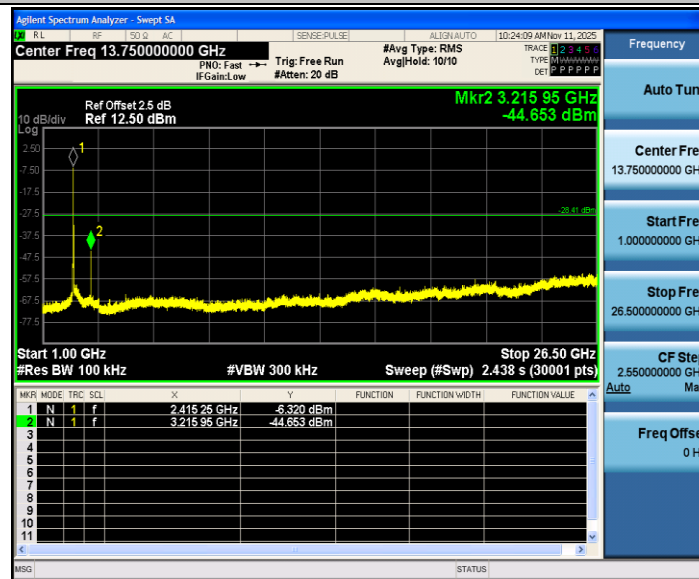
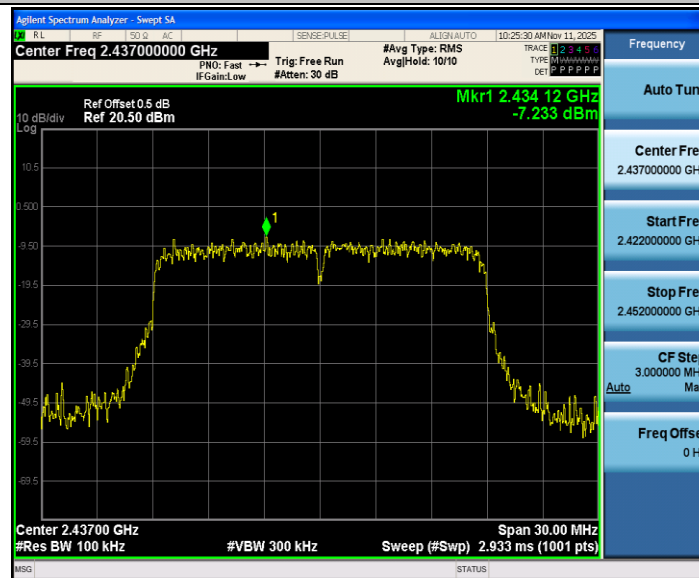


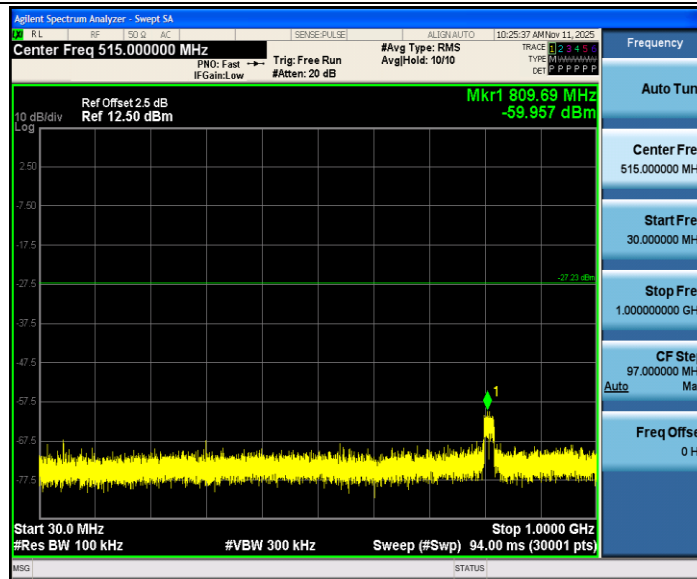
11N20SISO_Ant1_2412_1000~26500



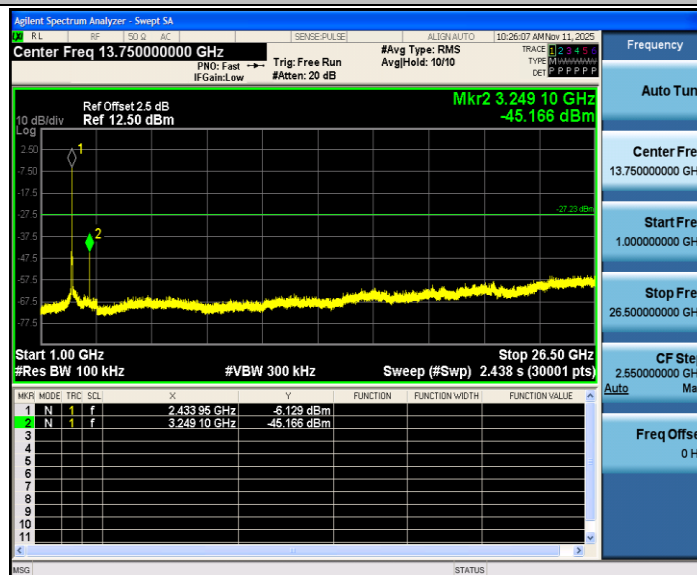
11N20SISO_Ant1_2437_0~Reference



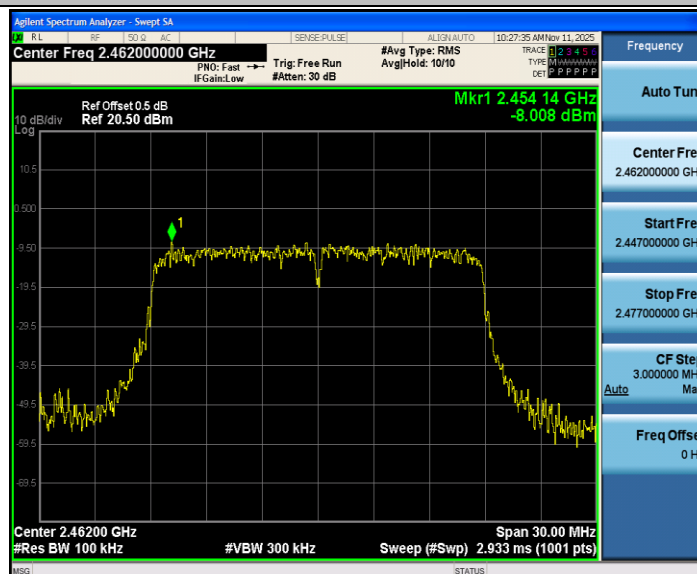
11N20SISO_Ant1_2437_30~1000



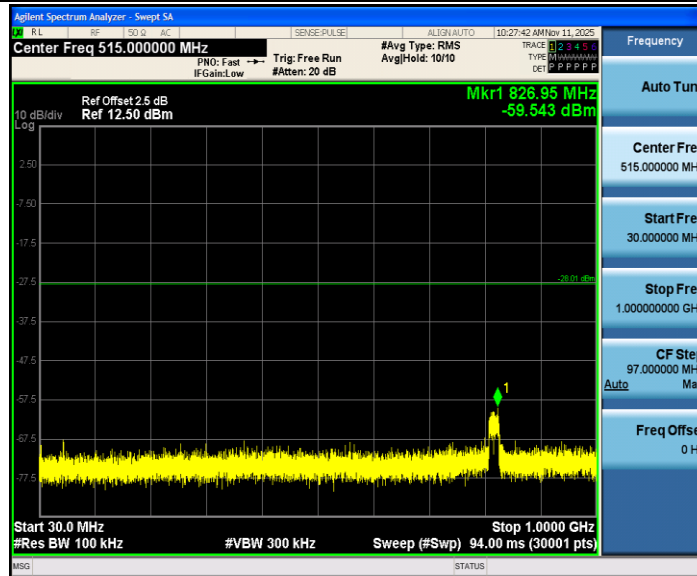
11N20SISO_Ant1_2437_1000~26500



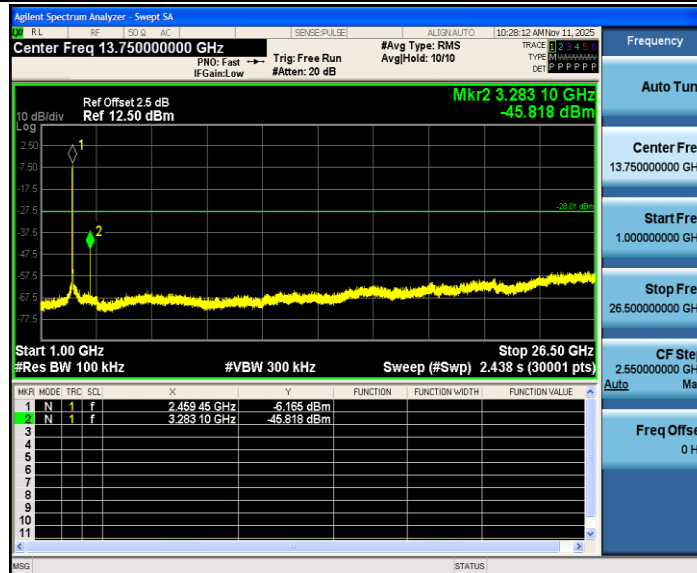
11N20SISO_Ant1_2462_0~Reference



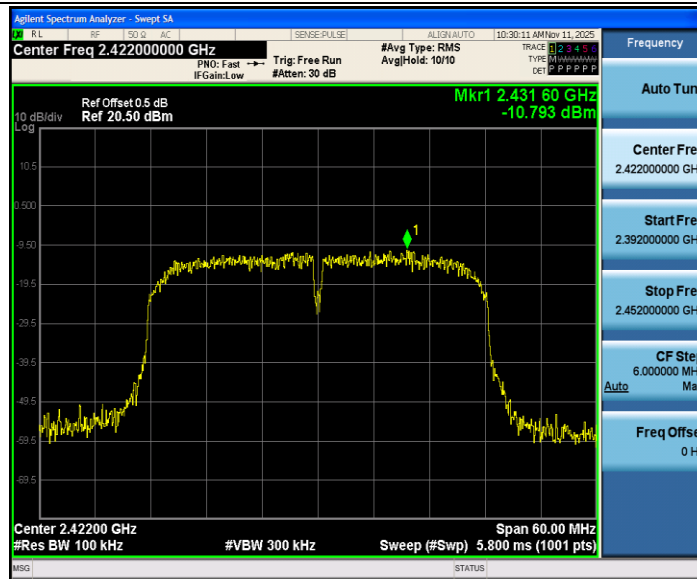
11N20SISO_Ant1_2462_30~1000



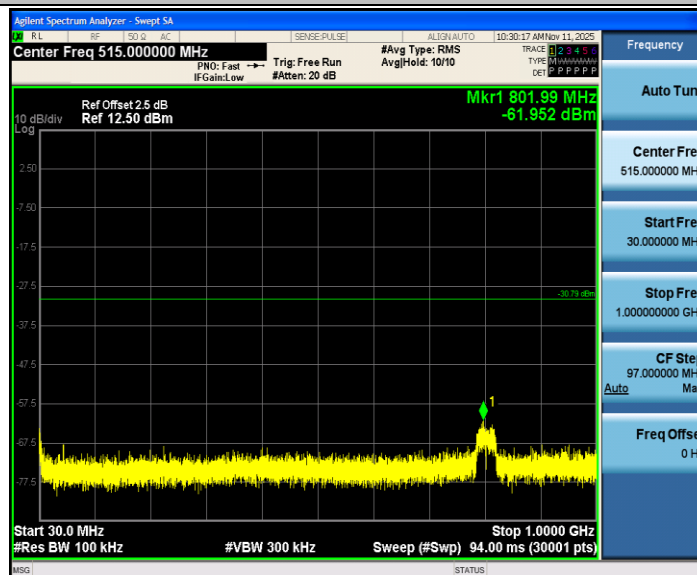
11N20SISO_Ant1_2462_1000~26500



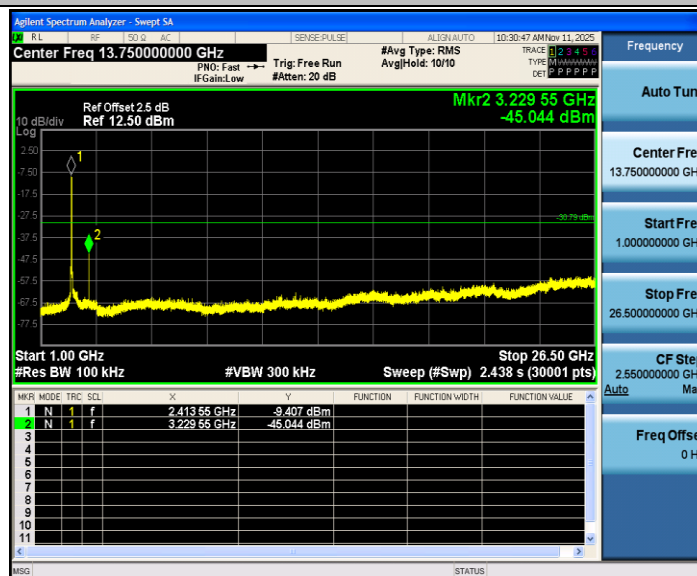
11N40SISO_Ant1_2422_0~Reference



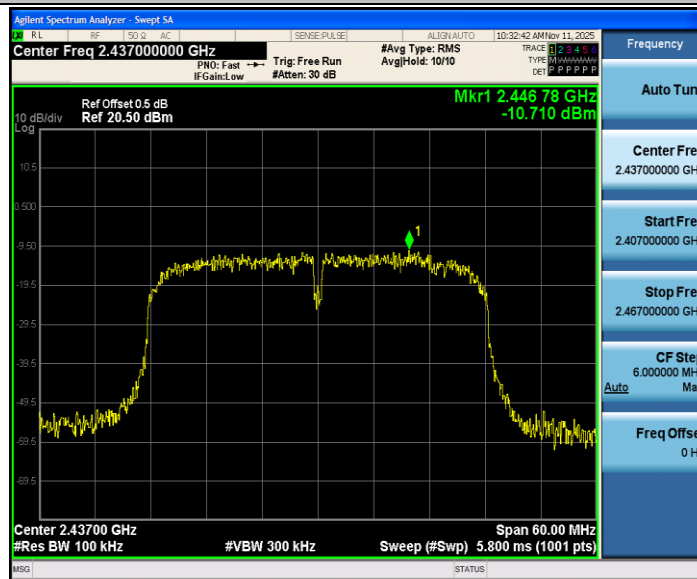
11N40SISO_Ant1_2422_30~1000



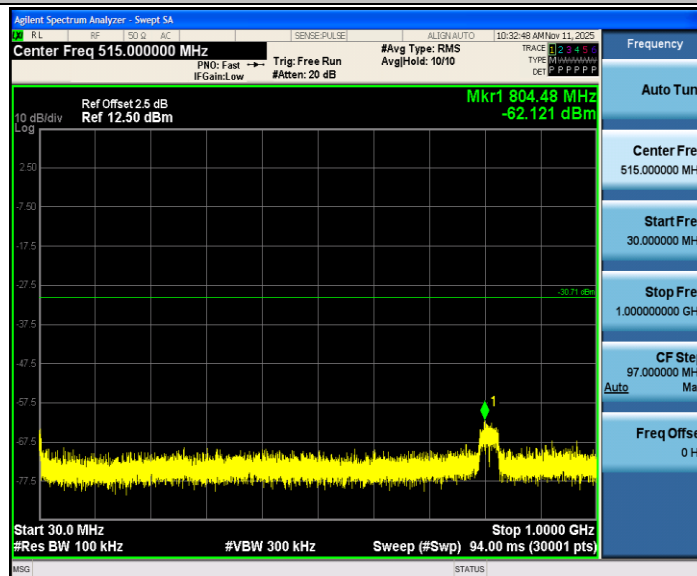
11N40SISO_Ant1_2422_1000~26500



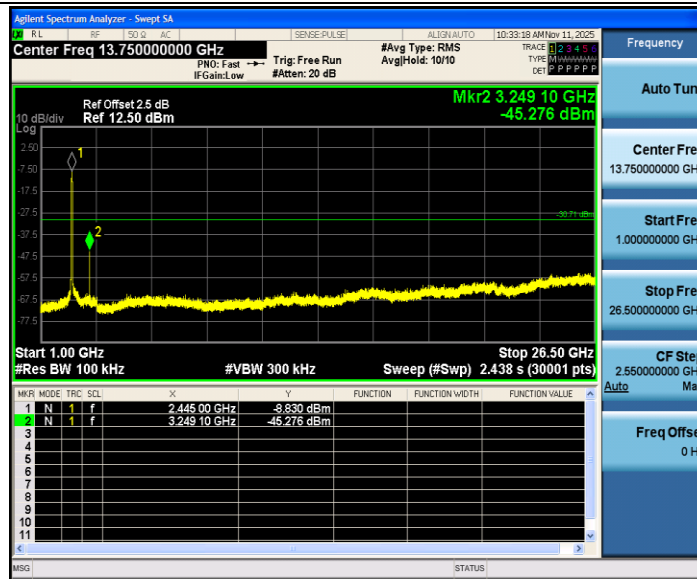
11N40SISO_Ant1_2437_0~Reference



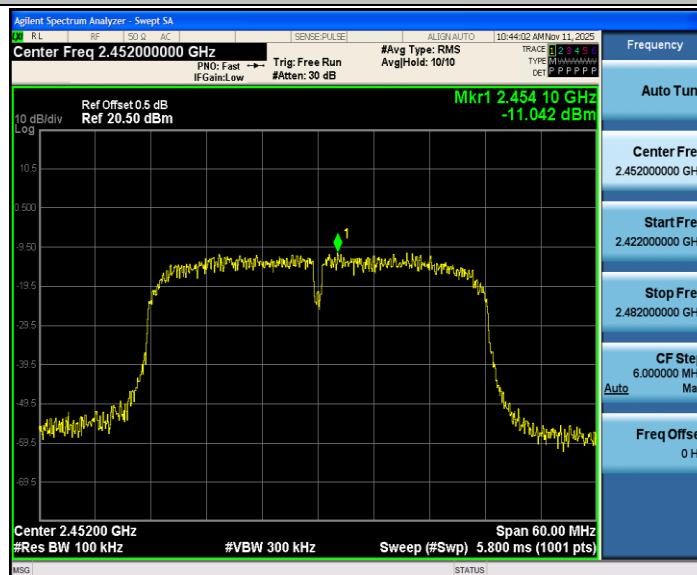
11N40SISO_Ant1_2437_30~1000



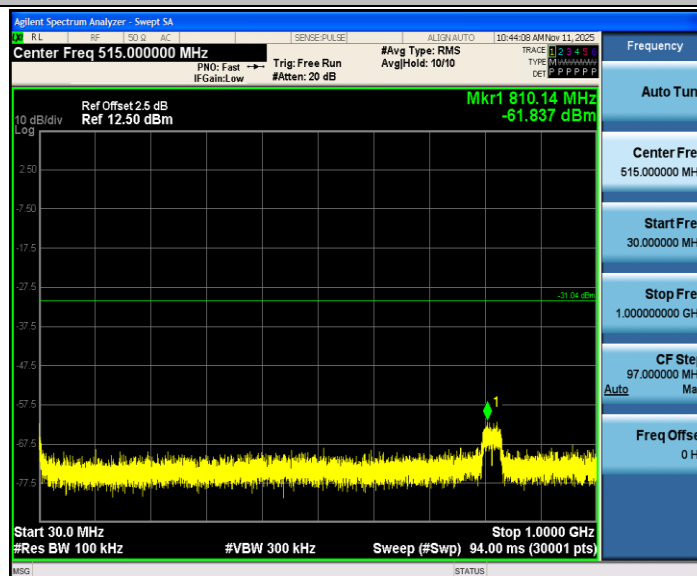
11N40SISO_Ant1_2437_1000~26500



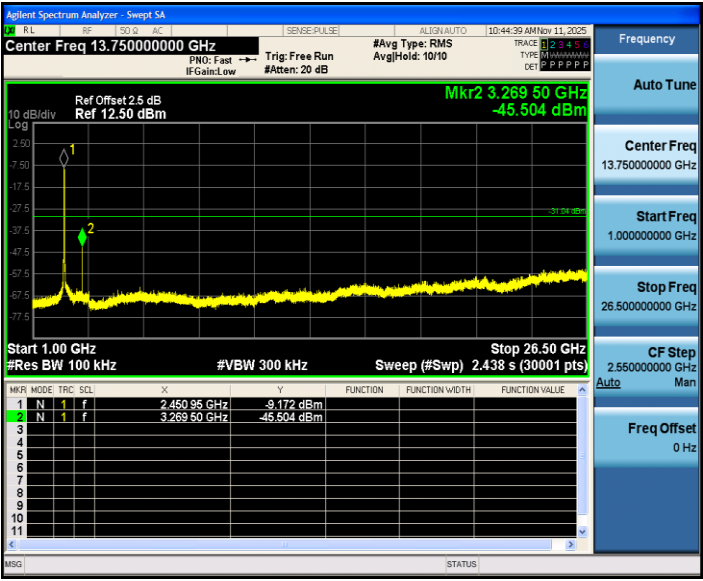
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



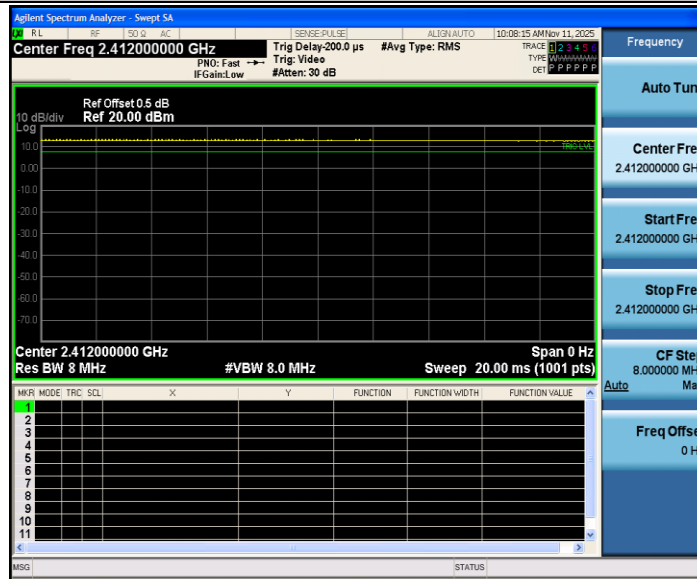
Appendix G: Duty Cycle

Test Result

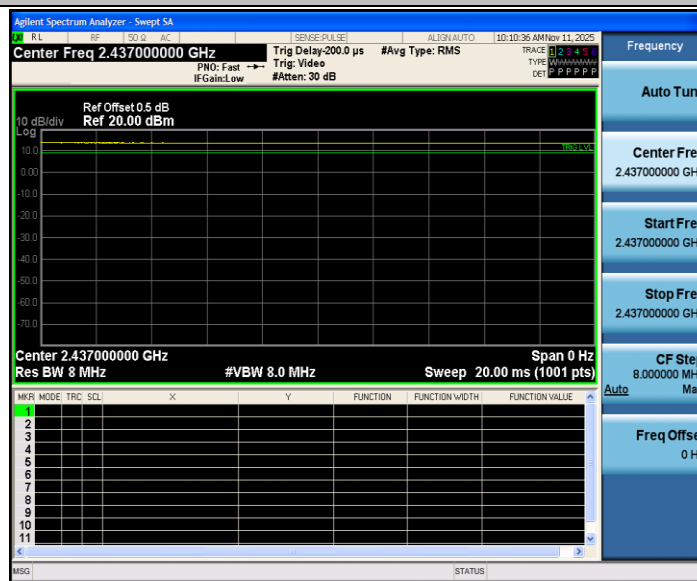
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	20.00	20.00	100.00
		2437	20.00	20.00	100.00
		2462	20.00	20.00	100.00
11G	Ant1	2412	20.00	20.00	100.00
		2437	20.00	20.00	100.00
		2462	20.00	20.00	100.00
11N20SISO	Ant1	2412	20.00	20.00	100.00
		2437	20.00	20.00	100.00
		2462	20.00	20.00	100.00
11N40SISO	Ant1	2422	20.00	20.00	100.00
		2437	20.00	20.00	100.00
		2452	20.00	20.00	100.00

Test Graphs

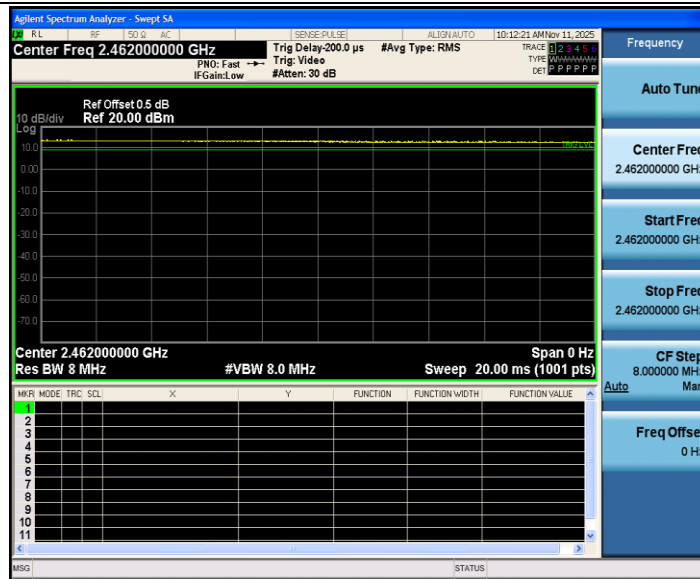
11B_Ant1_2412



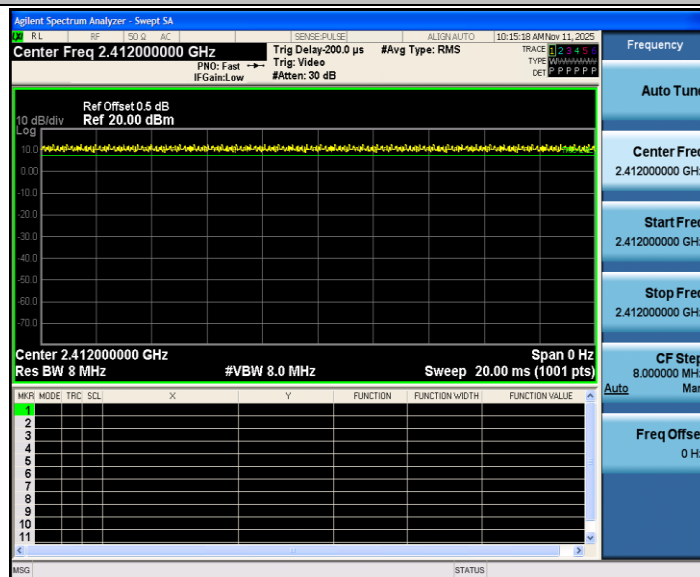
11B_Ant1_2437



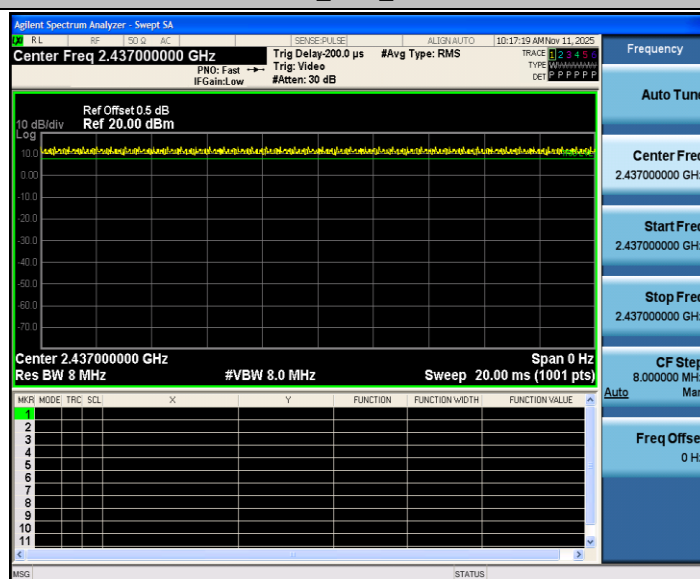
11B_Ant1_2462



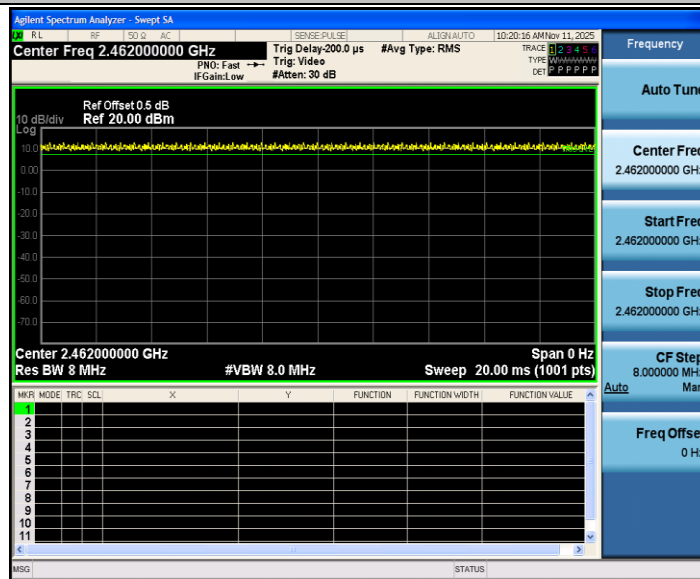
11G_Ant1_2412



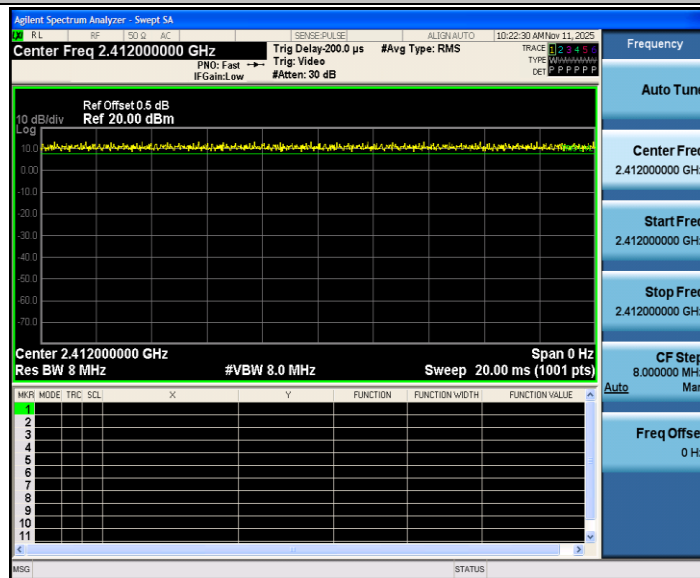
11G_Ant1_2437



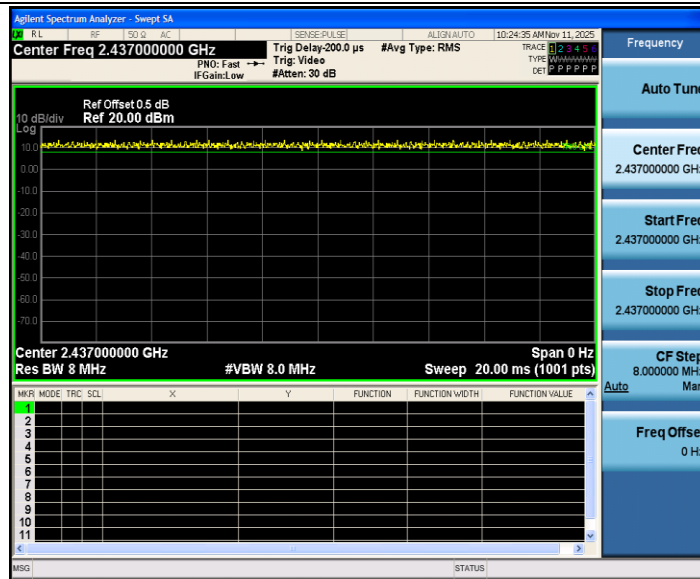
11G_Ant1_2462



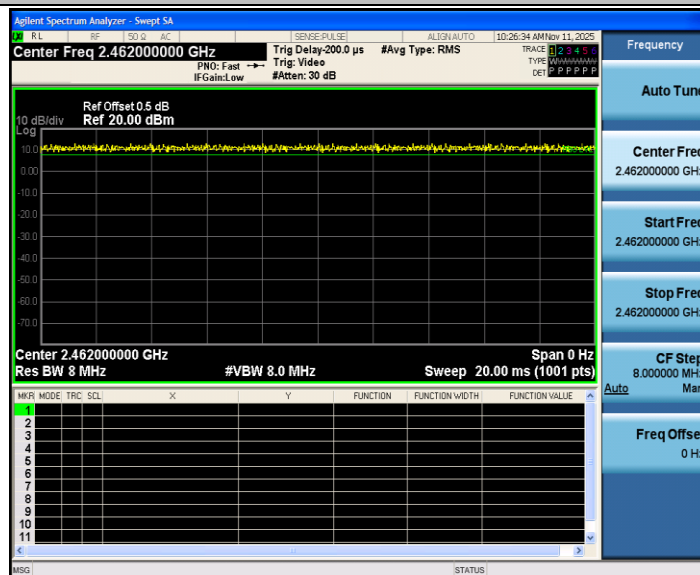
11N20SISO_Ant1_2412



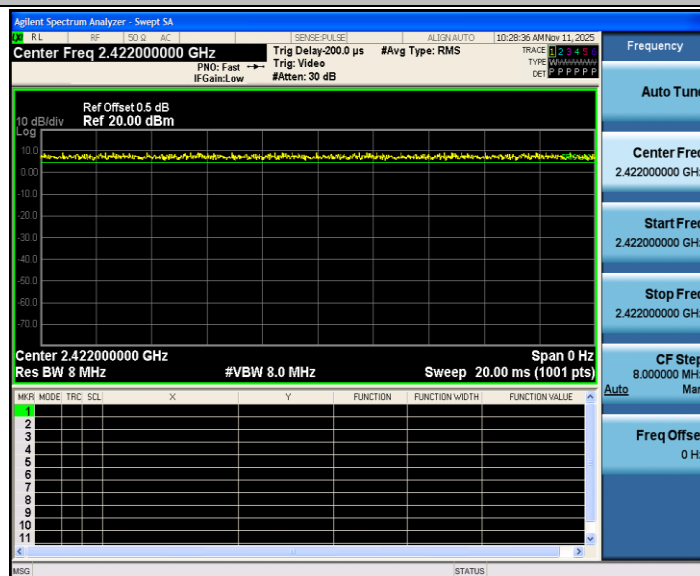
11N20SISO_Ant1_2437



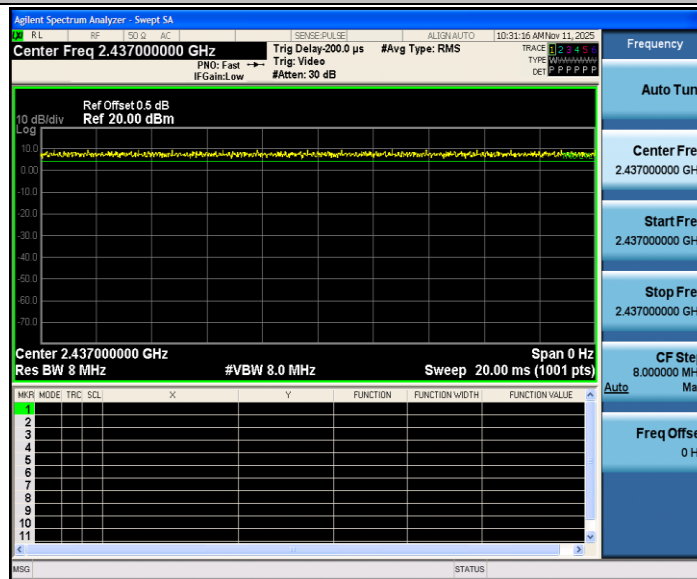
11N20SISO_Ant1_2462



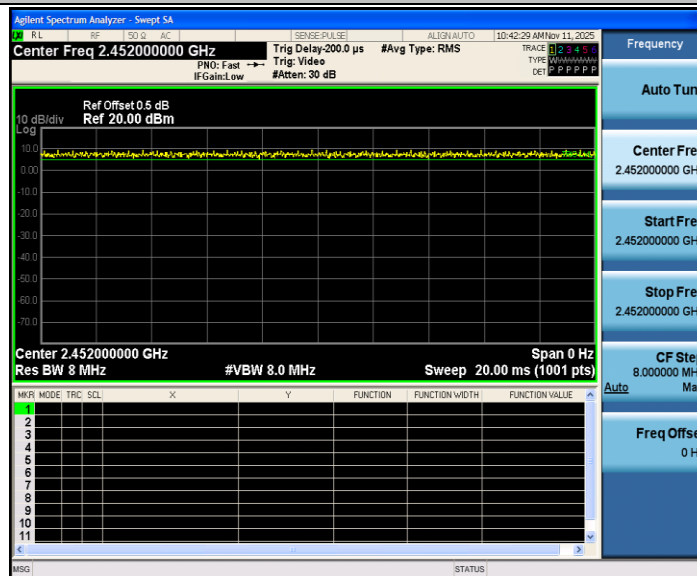
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



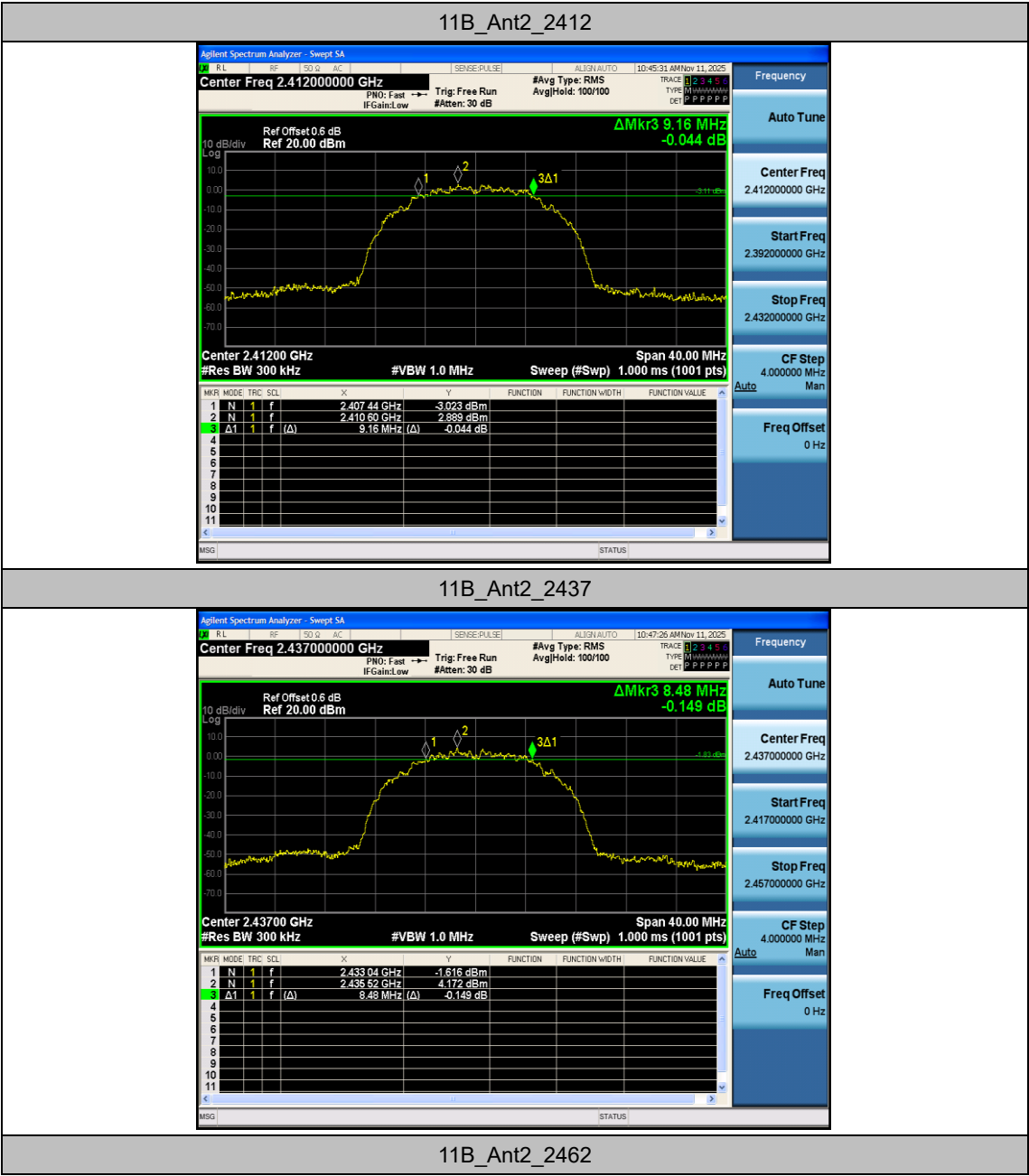
Appendix RF Test Data for 2.4GWIFI ANT2

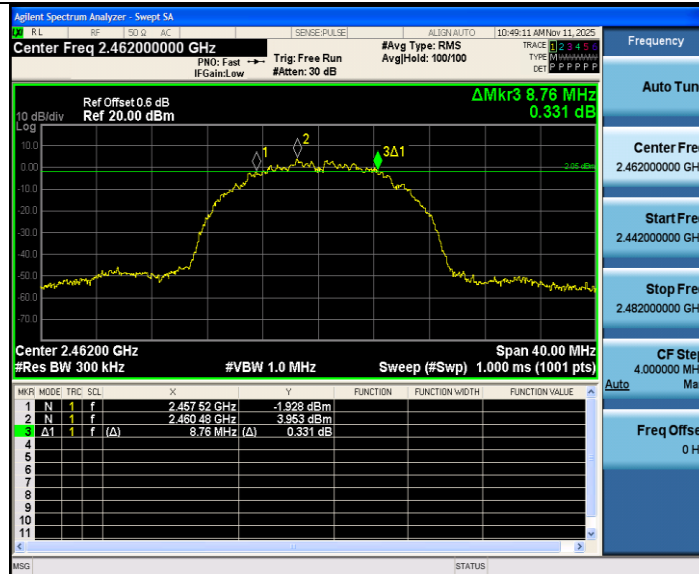
Appendix A: DTS Bandwidth

Test Result

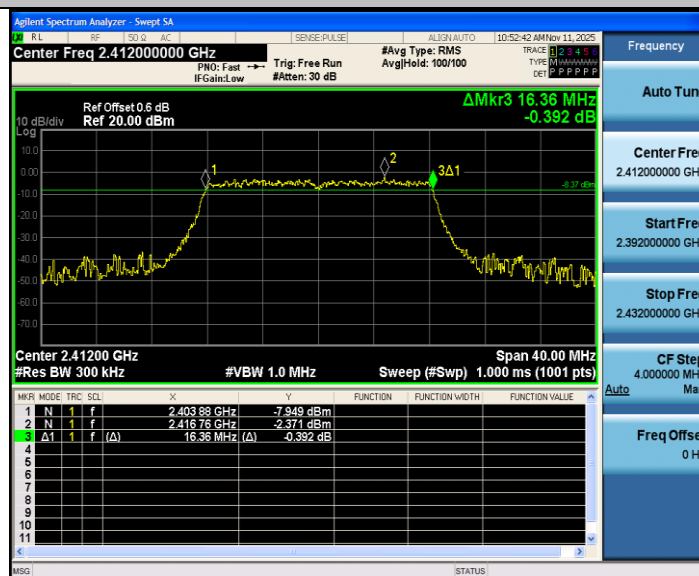
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	9.160	2407.440	2416.600	0.5	PASS
		2437	8.480	2433.040	2441.520	0.5	PASS
		2462	8.760	2457.520	2466.280	0.5	PASS
11G	Ant2	2412	16.360	2403.880	2420.240	0.5	PASS
		2437	16.400	2428.840	2445.240	0.5	PASS
		2462	16.400	2453.840	2470.240	0.5	PASS
11N20SISO	Ant2	2412	17.400	2403.320	2420.720	0.5	PASS
		2437	17.200	2428.360	2445.560	0.5	PASS
		2462	17.320	2453.360	2470.680	0.5	PASS
11N40SISO	Ant2	2422	33.760	2405.360	2439.120	0.5	PASS
		2437	33.920	2420.200	2454.120	0.5	PASS
		2452	33.840	2435.120	2468.960	0.5	PASS

Test Graphs

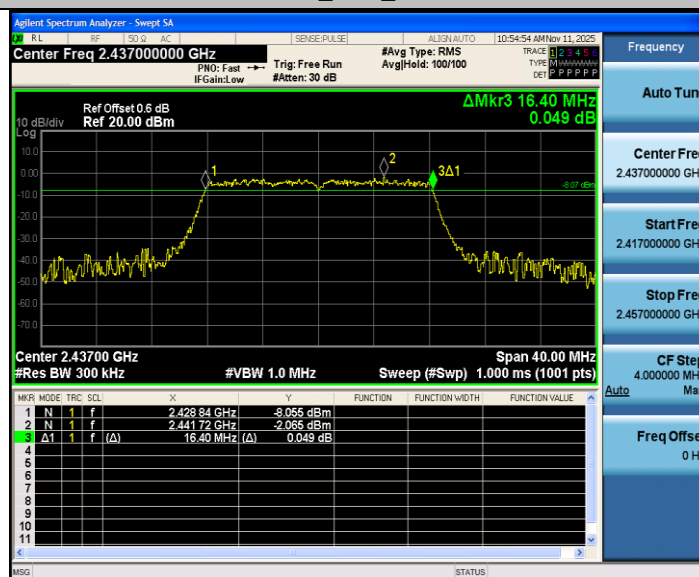




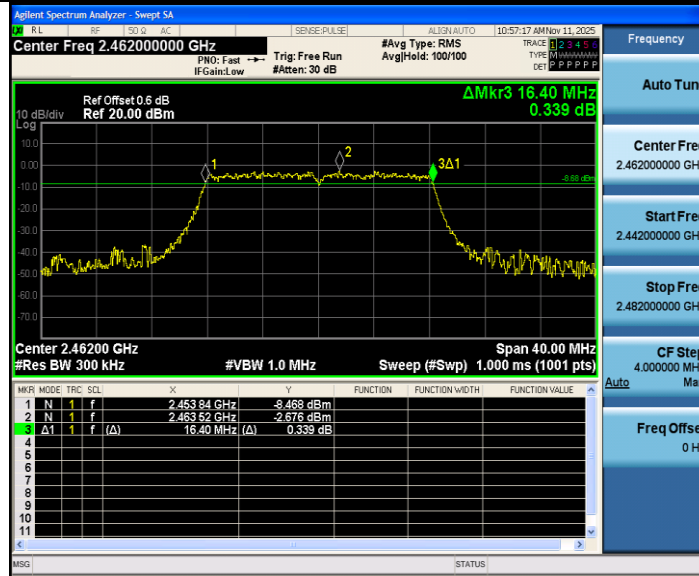
11G_Ant2_2412



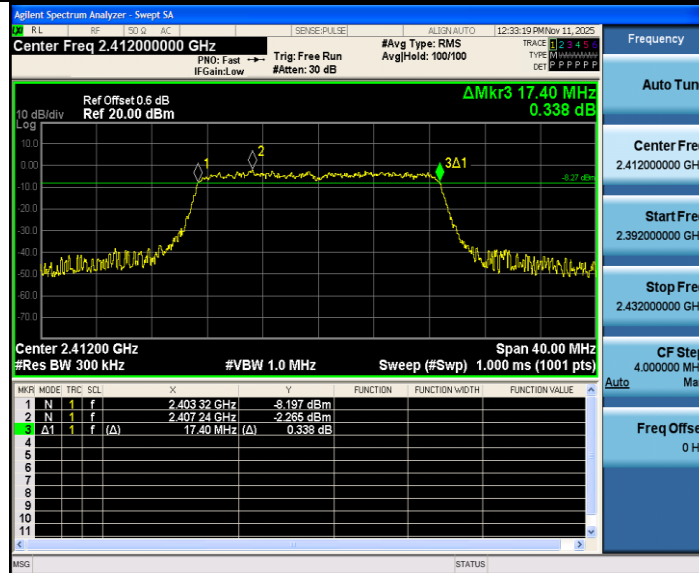
11G_Ant2_2437



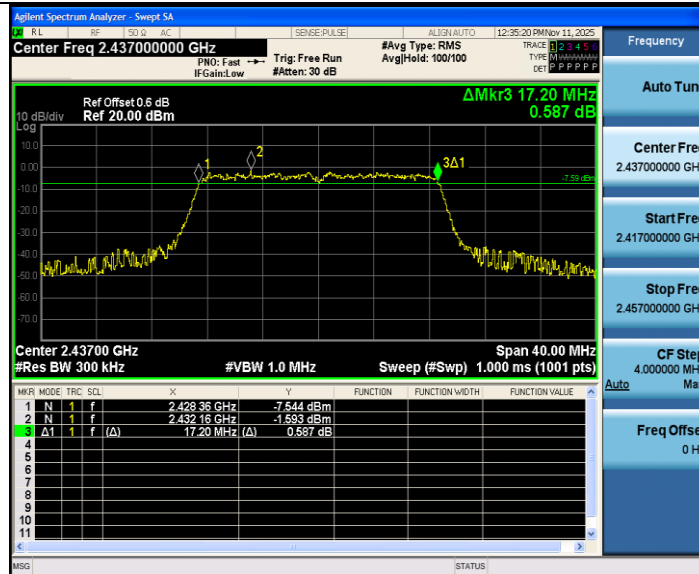
11G_Ant2_2462



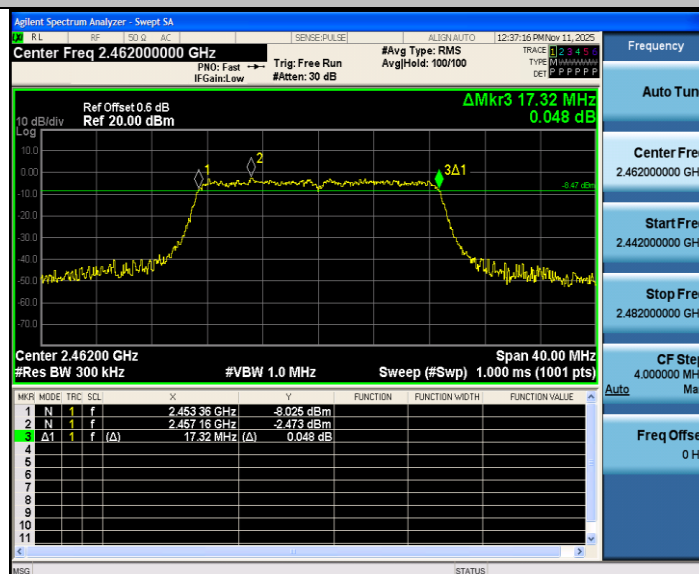
11N20SISO_Ant2_2412



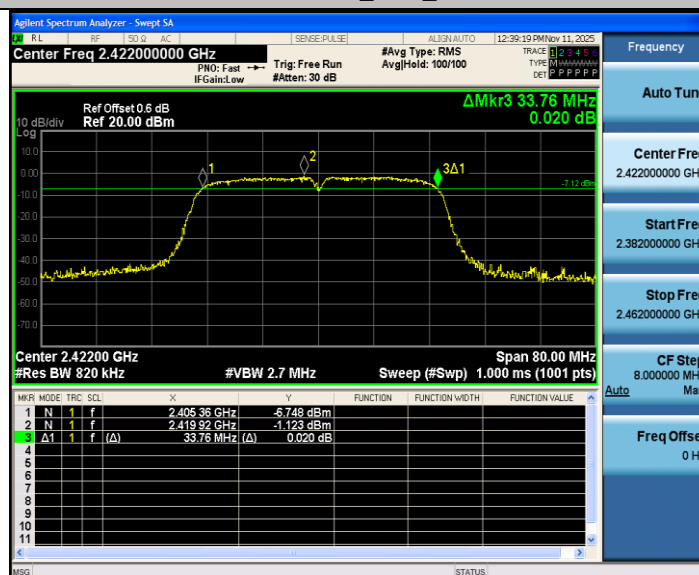
11N20SISO_Ant2_2437



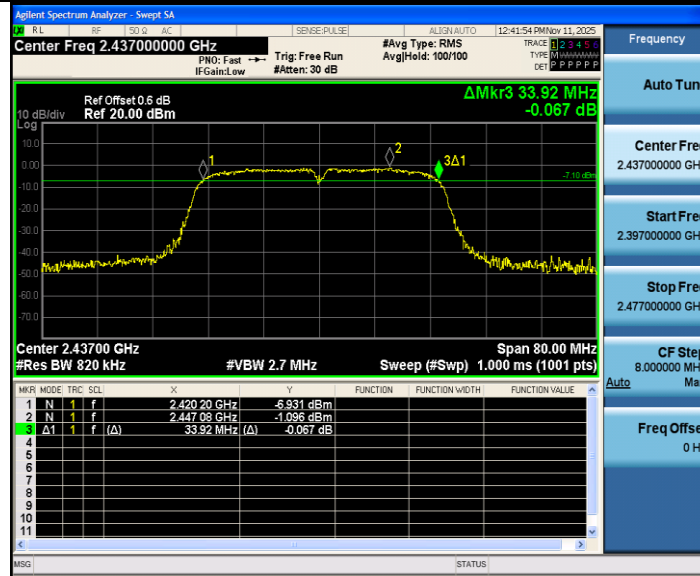
11N20SISO_Ant2_2462



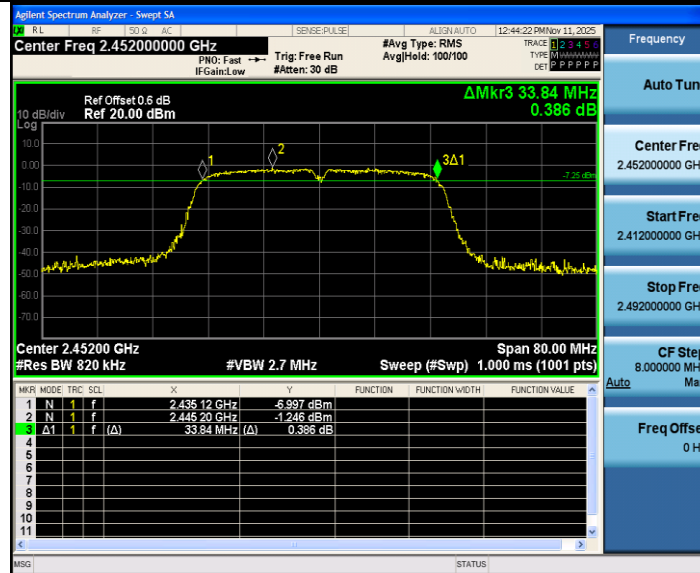
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



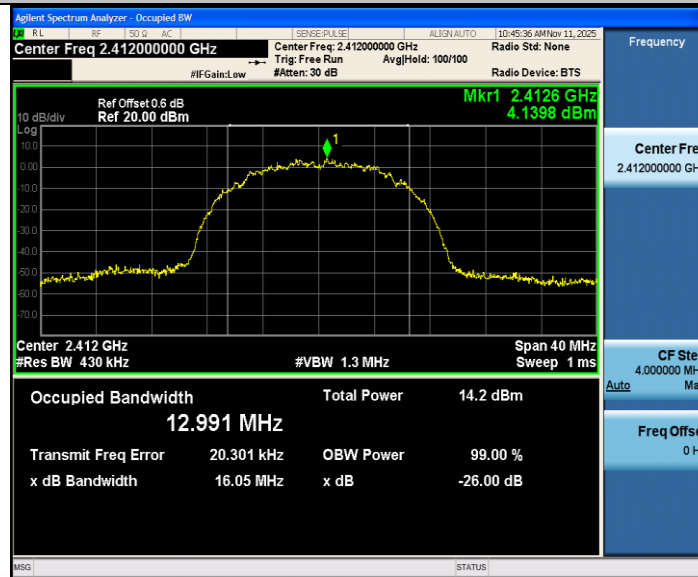
Appendix B: Occupied Channel Bandwidth

Test Result

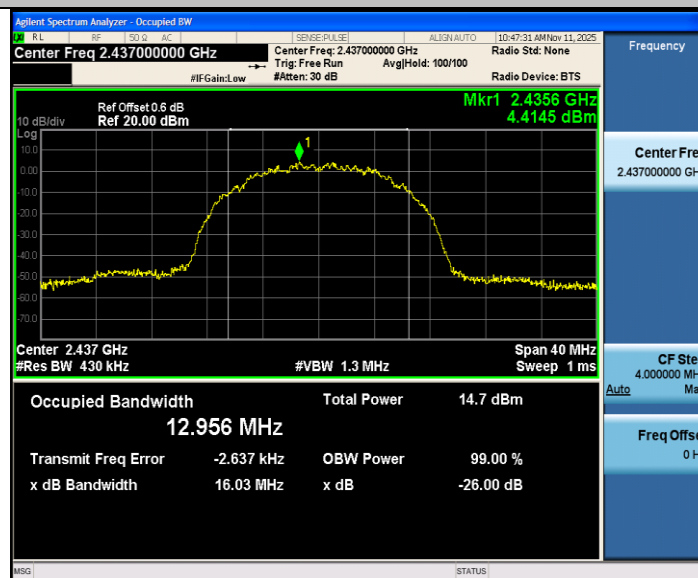
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.991	2405.5248	2418.5158	---	---
		2437	12.956	2430.5194	2443.4754	---	---
		2462	12.962	2455.5280	2468.4900	---	---
11G	Ant2	2412	16.559	2403.7482	2420.3072	---	---
		2437	16.562	2428.7567	2445.3187	---	---
		2462	16.568	2453.7301	2470.2981	---	---
11N20SISO	Ant2	2412	17.427	2403.3157	2420.7427	---	---
		2437	17.453	2428.3071	2445.7601	---	---
		2462	17.448	2453.3047	2470.7527	---	---
11N40SISO	Ant2	2422	34.754	2404.7740	2439.5280	---	---
		2437	34.787	2419.7345	2454.5215	---	---
		2452	34.830	2434.6869	2469.5169	---	---

Test Graphs

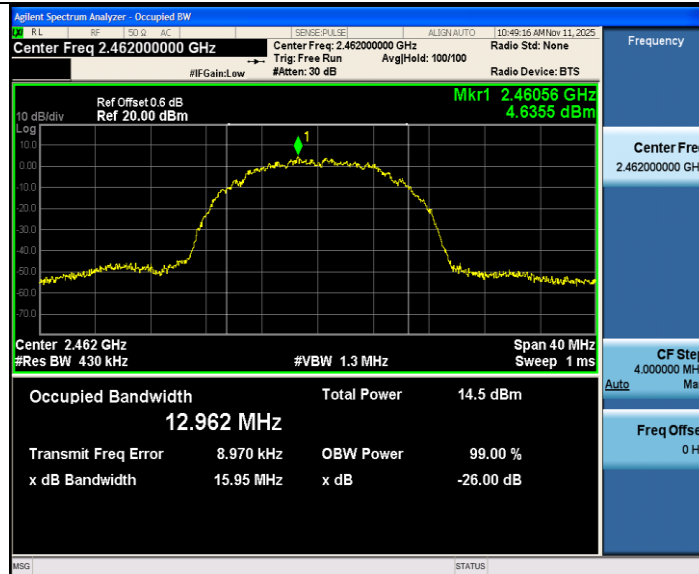
11B_Ant2_2412



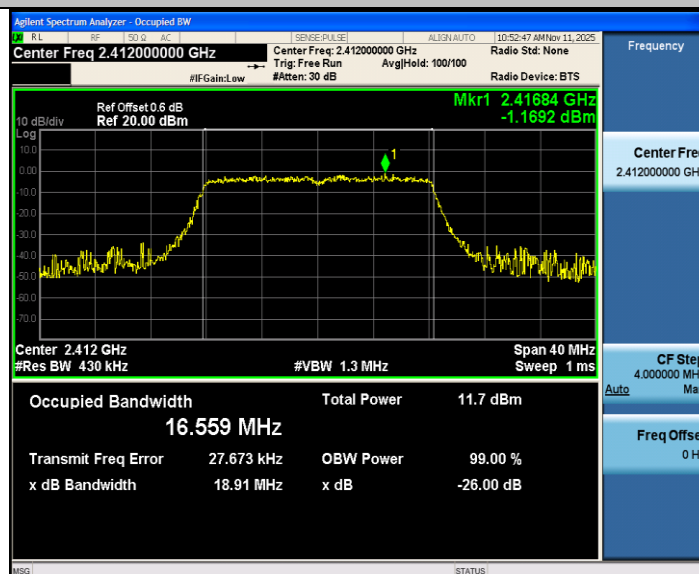
11B_Ant2_2437



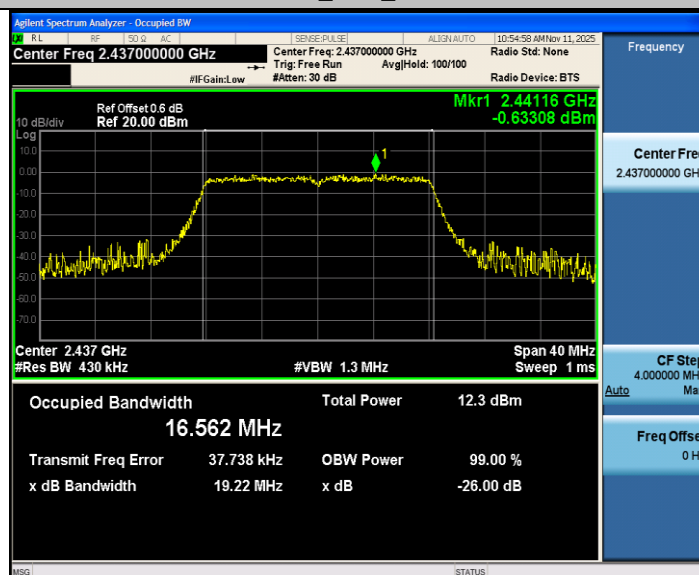
11B_Ant2_2462



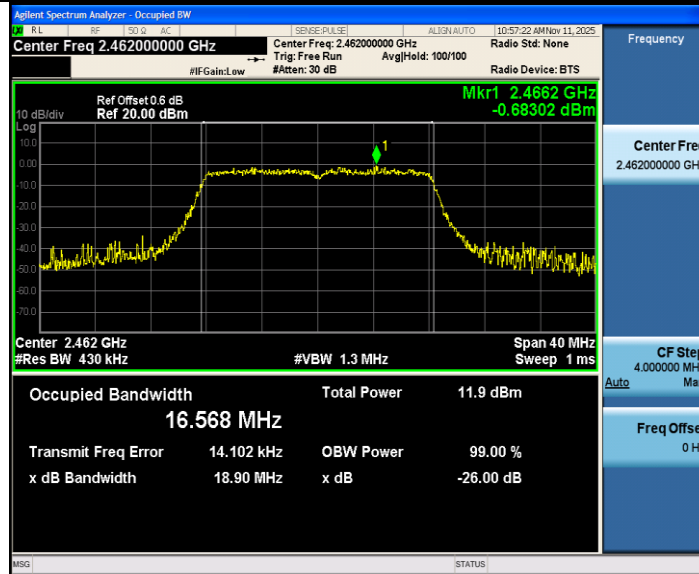
11G_Ant2_2412



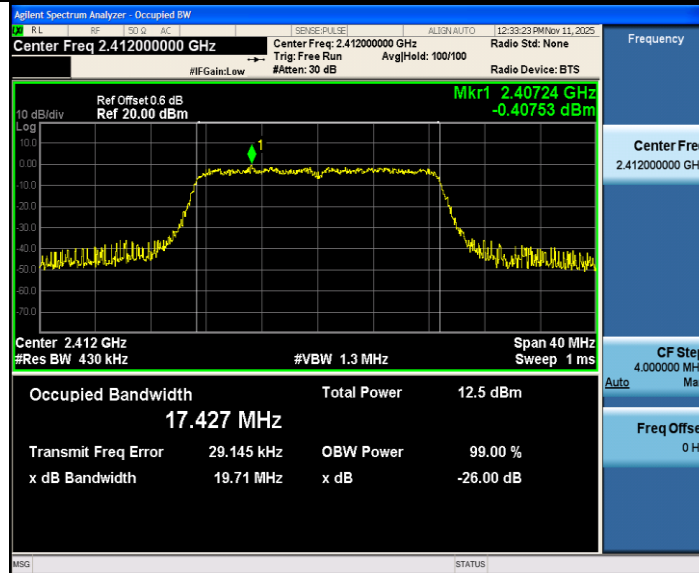
11G_Ant2_2437



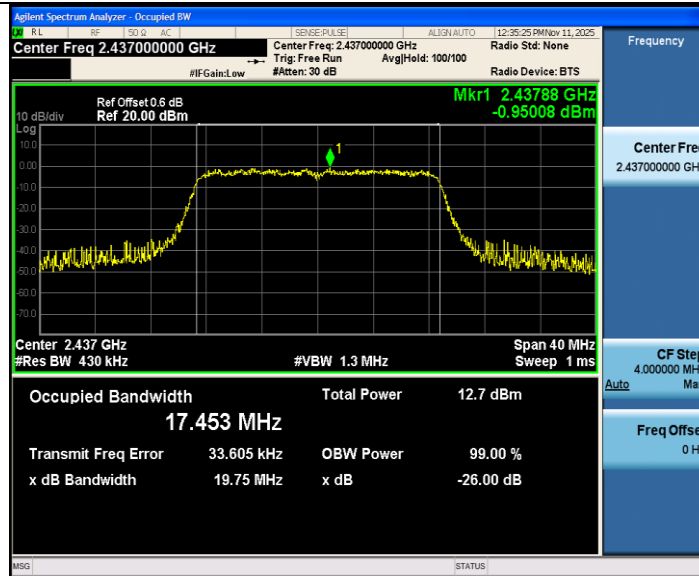
11G_Ant2_2462



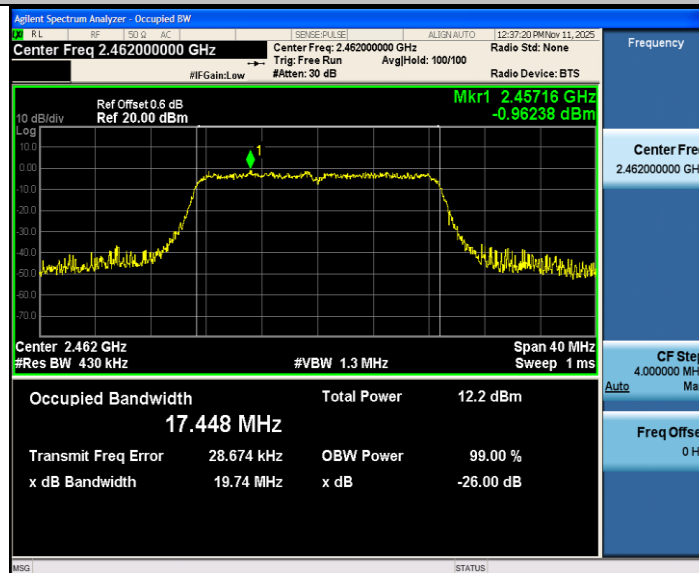
11N20SISO_Ant2_2412



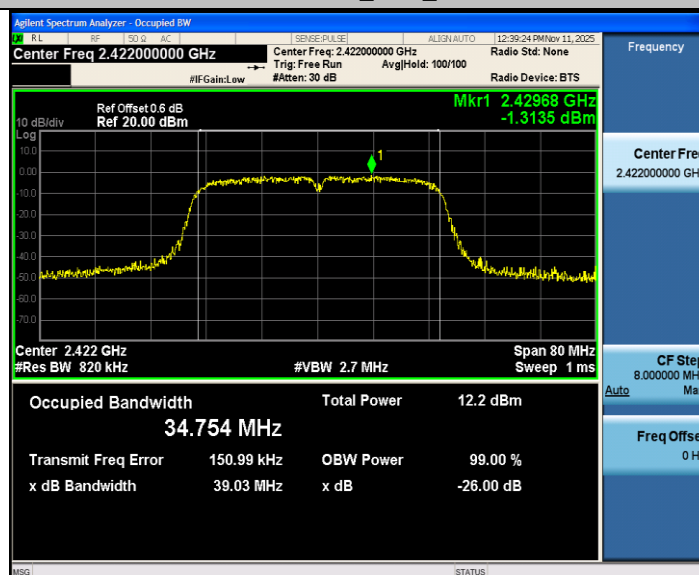
11N20SISO_Ant2_2437



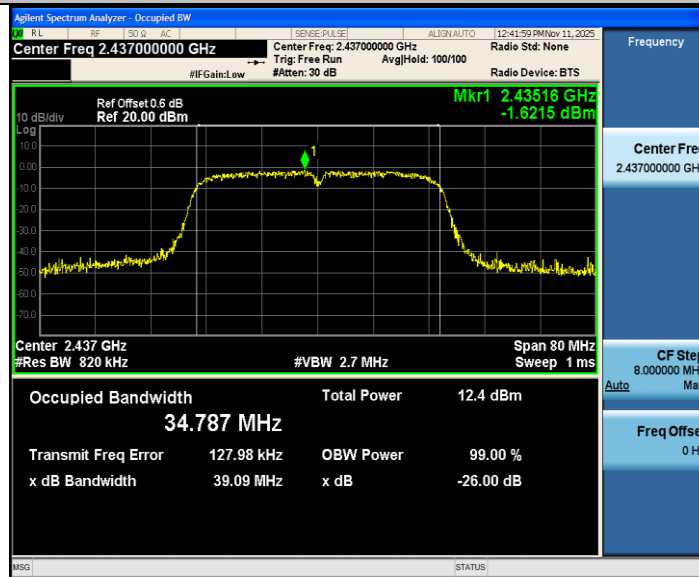
11N20SISO_Ant2_2462



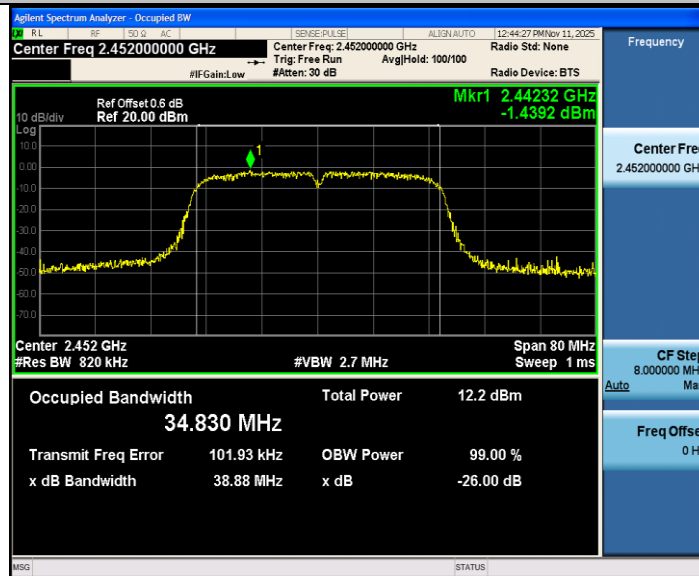
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	13.75	≤30.00	PASS
		2437	14.01	≤30.00	PASS
		2462	13.87	≤30.00	PASS
11G	Ant2	2412	12.45	≤30.00	PASS
		2437	13.14	≤30.00	PASS
		2462	12.62	≤30.00	PASS
11N20SISO	Ant2	2412	13.81	≤30.00	PASS
		2437	13.98	≤30.00	PASS
		2462	13.36	≤30.00	PASS
11N40SISO	Ant2	2422	12.45	≤30.00	PASS
		2437	12.61	≤30.00	PASS
		2452	12.47	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

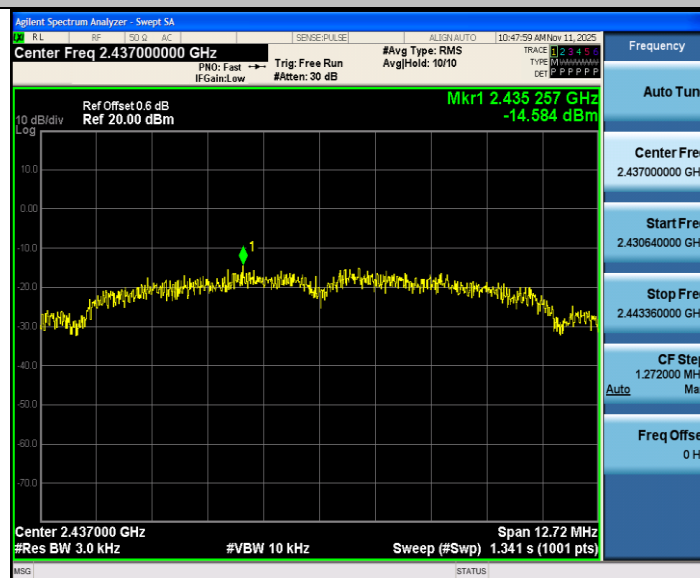
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-15.37	≤8.00	PASS
		2437	-14.58	≤8.00	PASS
		2462	-14.92	≤8.00	PASS
11G	Ant2	2412	-21.87	≤8.00	PASS
		2437	-21.27	≤8.00	PASS
		2462	-21.78	≤8.00	PASS
11N20SISO	Ant2	2412	-20.75	≤8.00	PASS
		2437	-20.48	≤8.00	PASS
		2462	-21.03	≤8.00	PASS
11N40SISO	Ant2	2422	-23.17	≤8.00	PASS
		2437	-21.91	≤8.00	PASS
		2452	-23.13	≤8.00	PASS

Test Graphs

11B_Ant2_2412



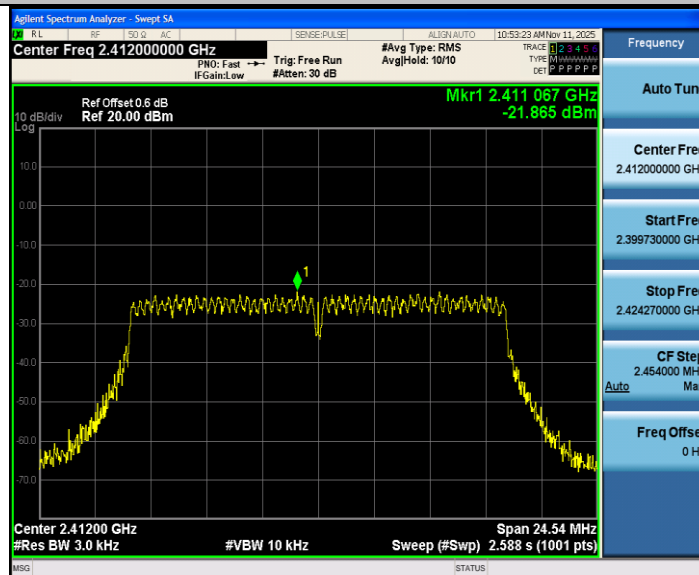
11B_Ant2_2437



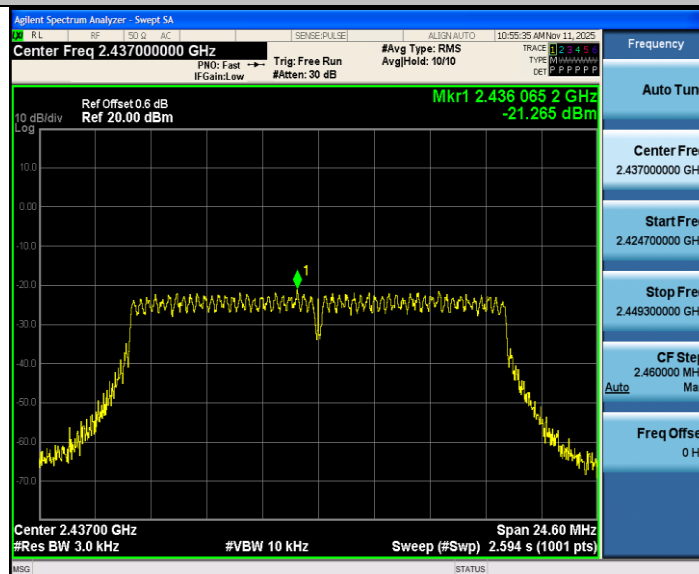
11B_Ant2_2462



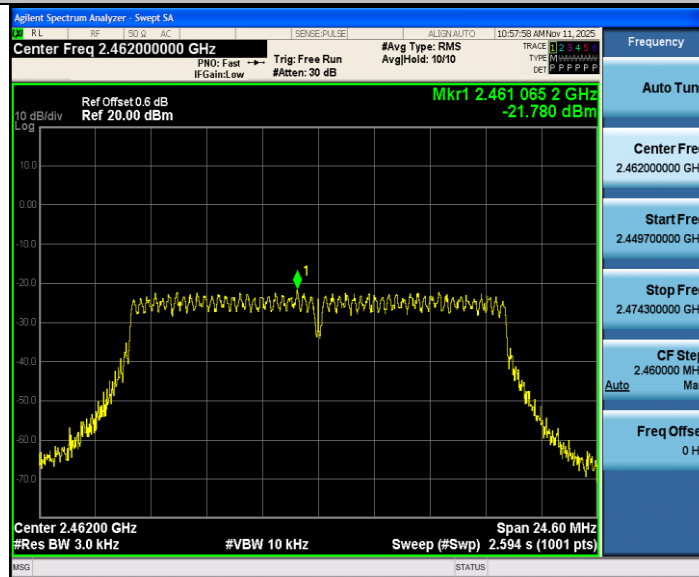
11G_Ant2_2412



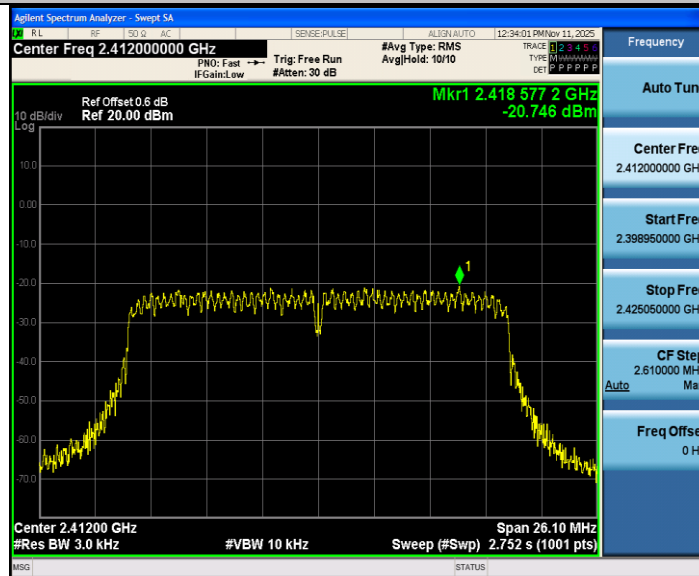
11G_Ant2_2437



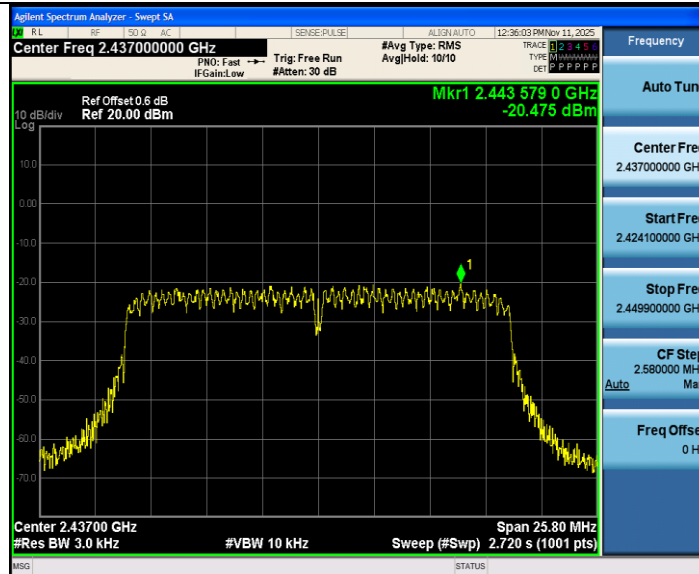
11G_Ant2_2462



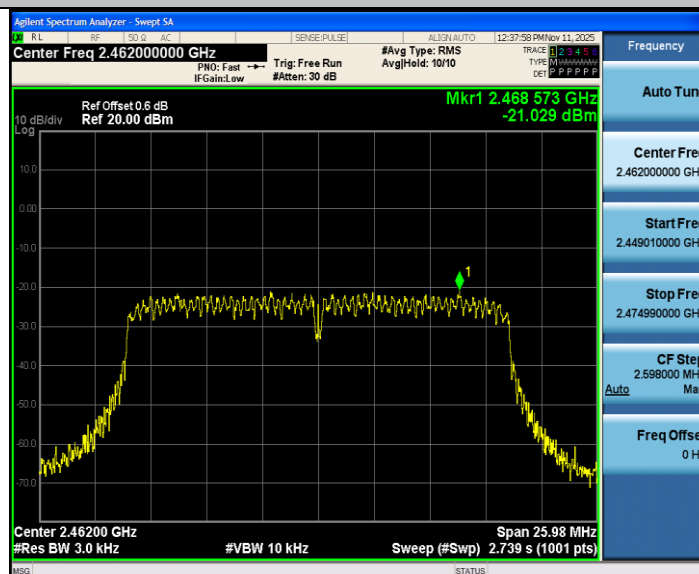
11N20SISO_Ant2_2412



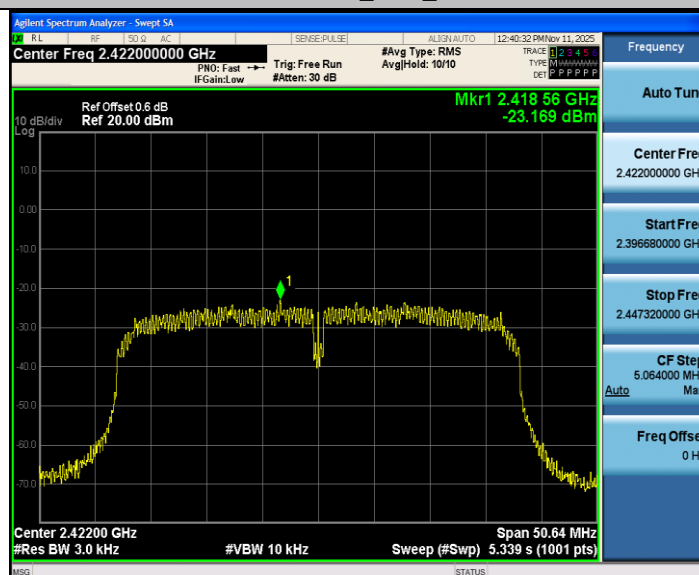
11N20SISO_Ant2_2437



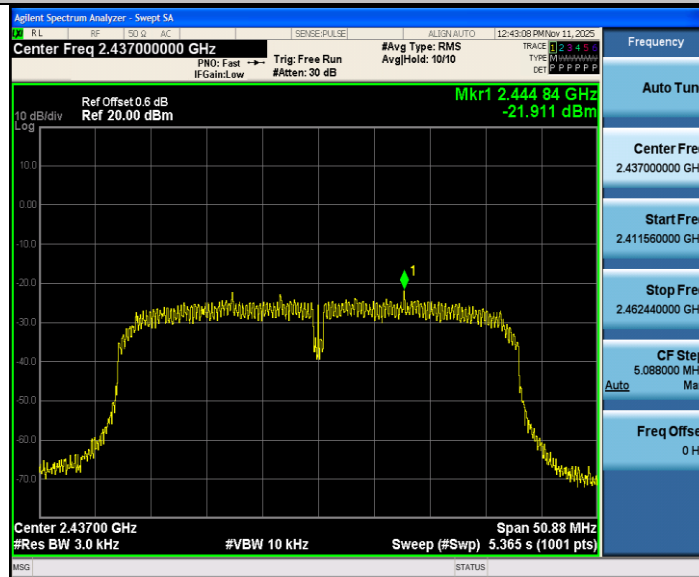
11N20SISO_Ant2_2462



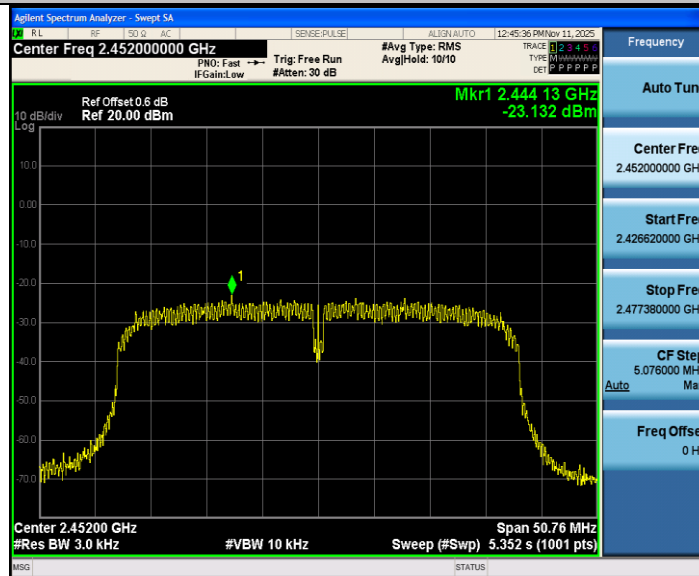
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



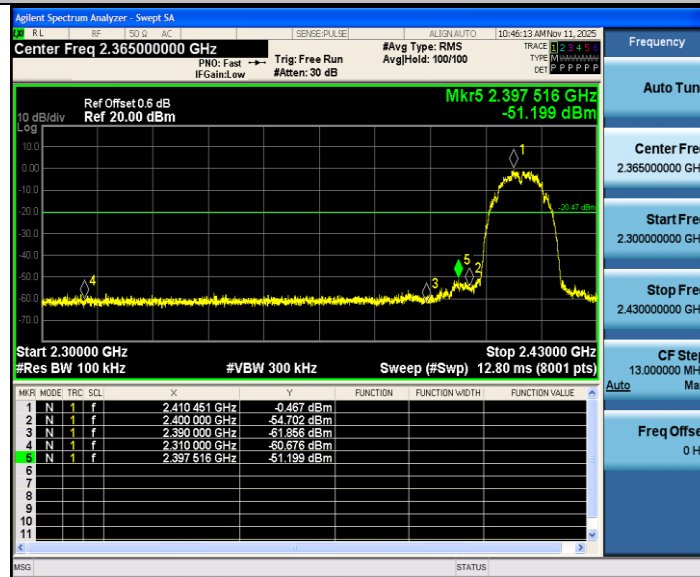
Appendix E: Band edge measurements

Test Result

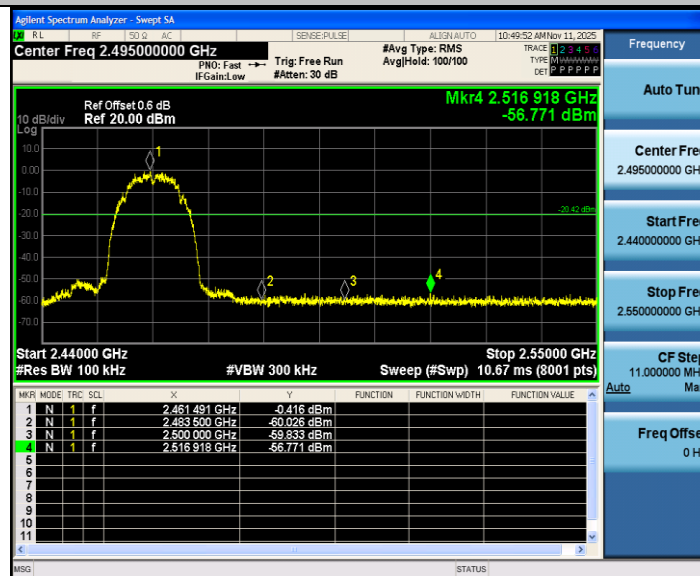
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	-0.47	-51.2	≤-20.47	PASS
		High	2462	-0.42	-56.77	≤-20.42	PASS
11G	Ant2	Low	2412	-7.68	-44.58	≤-27.68	PASS
		High	2462	-7.69	-52.64	≤-27.69	PASS
11N20SISO	Ant2	Low	2412	-7.02	-45.12	≤-27.02	PASS
		High	2462	-7.78	-54.65	≤-27.78	PASS
11N40SISO	Ant2	Low	2422	-10.68	-49.03	≤-30.68	PASS
		High	2452	-10.47	-53.92	≤-30.47	PASS

Test Graphs

11B_Ant2_Low_2412



11B_Ant2_High_2462



11G_Ant2_Low_2412