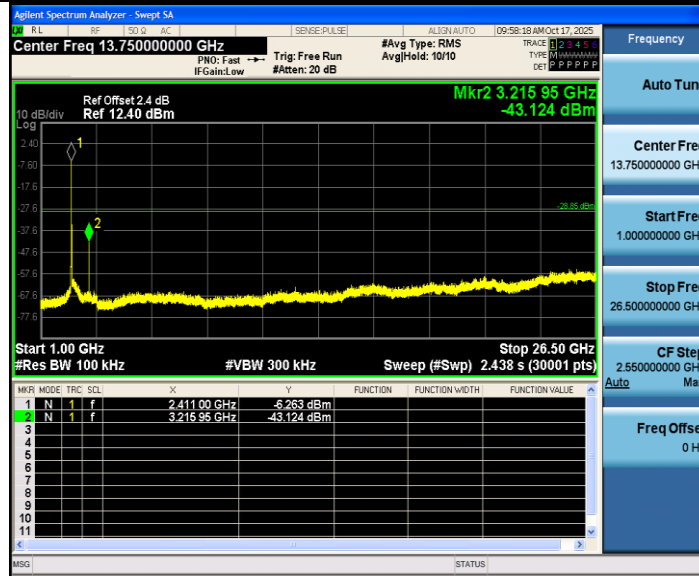


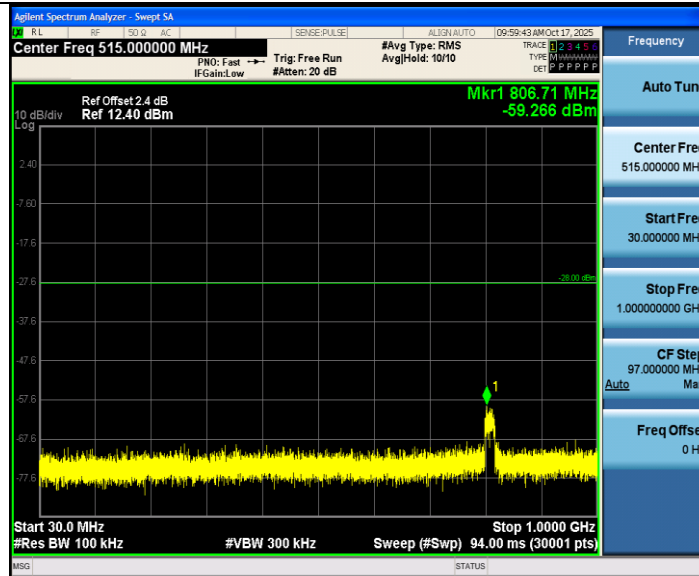
11N20SISO_Ant1_2412_1000~26500



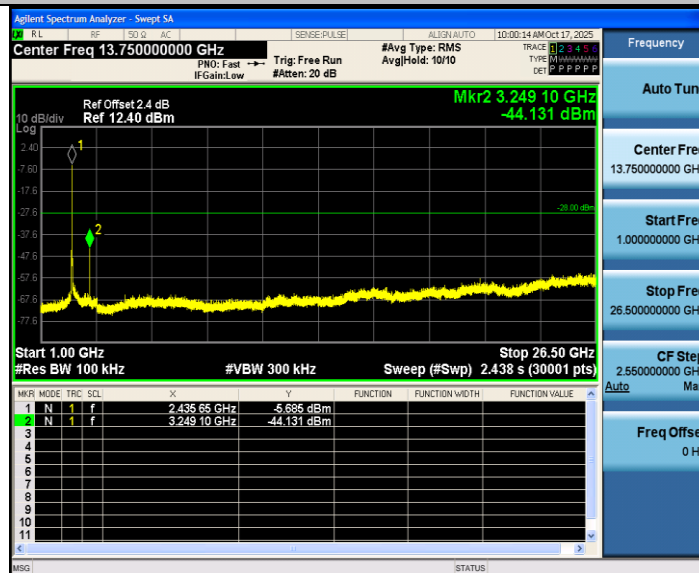
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



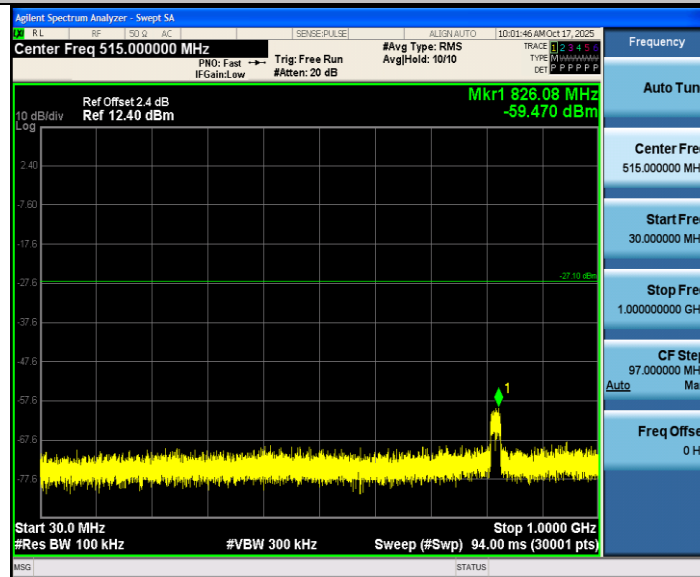
11N20SISO_Ant1_2437_1000~26500



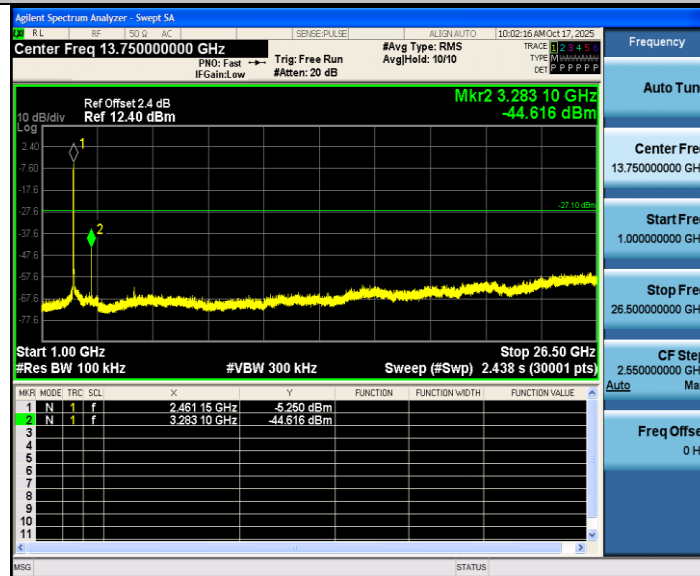
11N20SISO_Ant1_2462_0~Reference



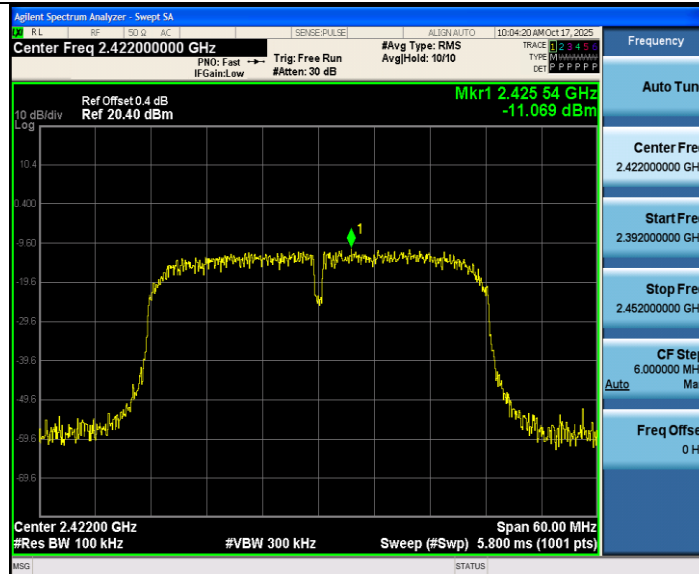
11N20SISO_Ant1_2462_30~1000



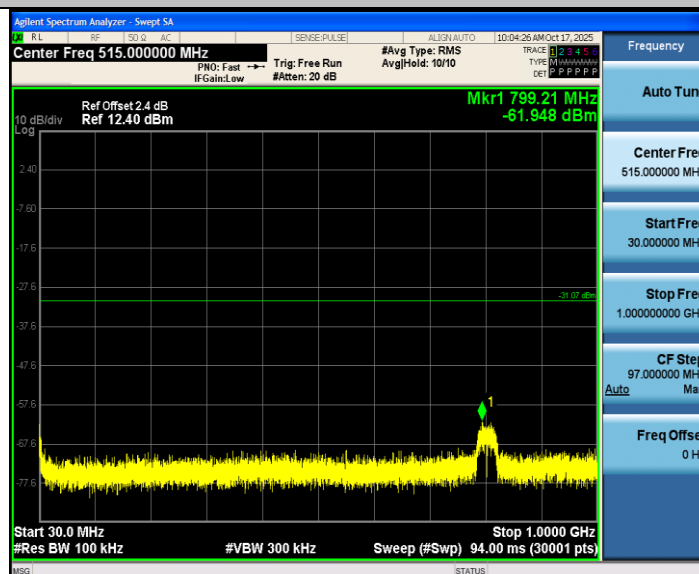
11N20SISO_Ant1_2462_1000~26500



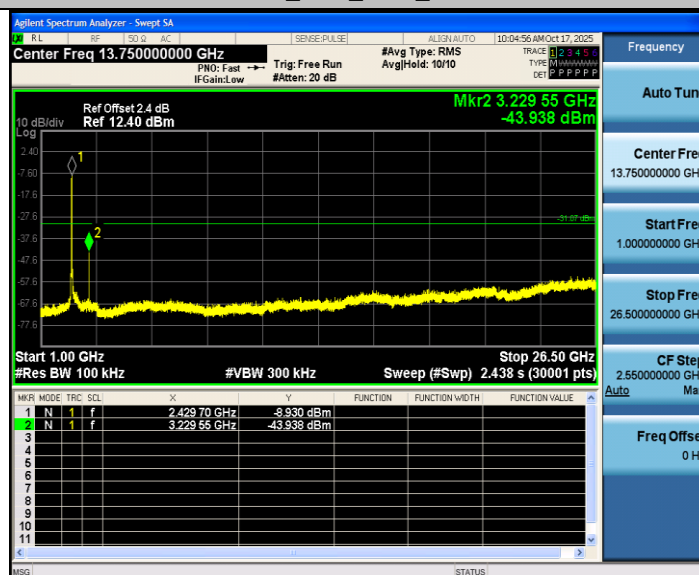
11N40SISO_Ant1_2422_0~Reference



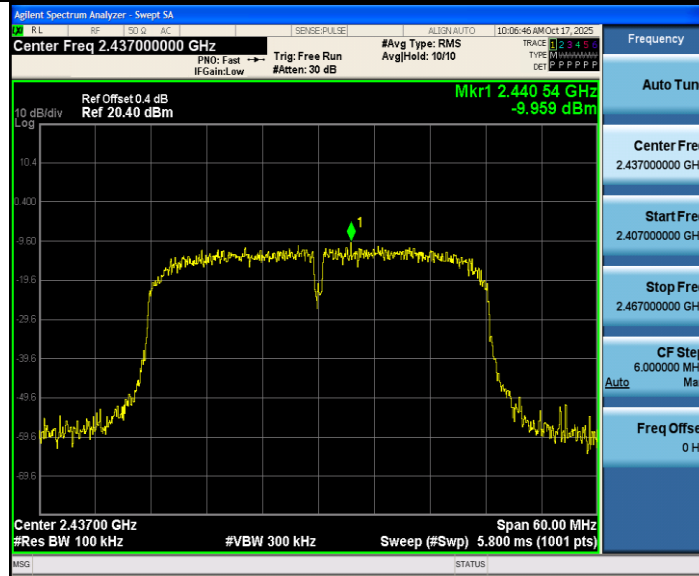
11N40SISO_Ant1_2422_30~1000



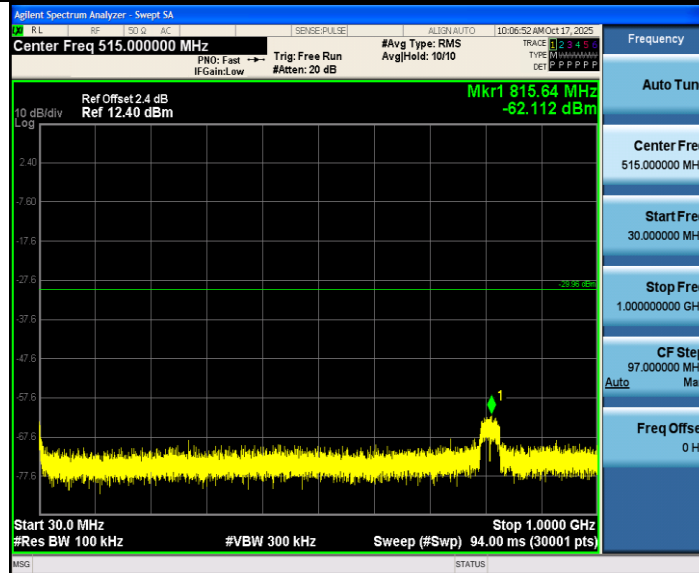
11N40SISO_Ant1_2422_1000~26500



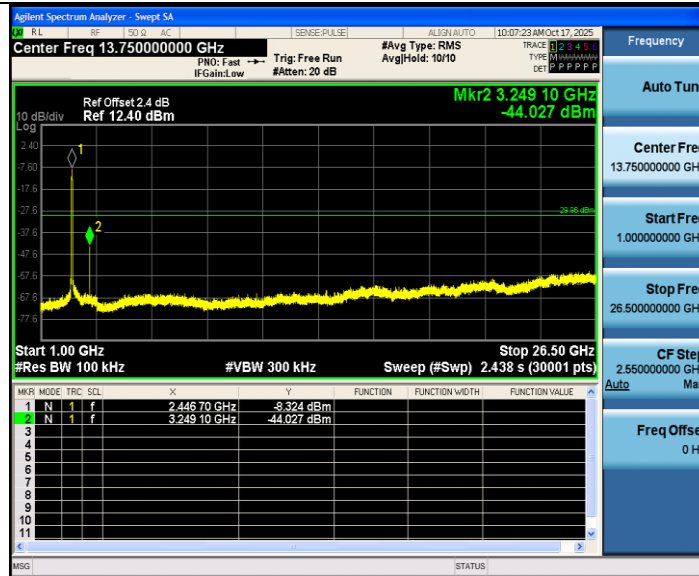
11N40SISO_Ant1_2437_0~Reference



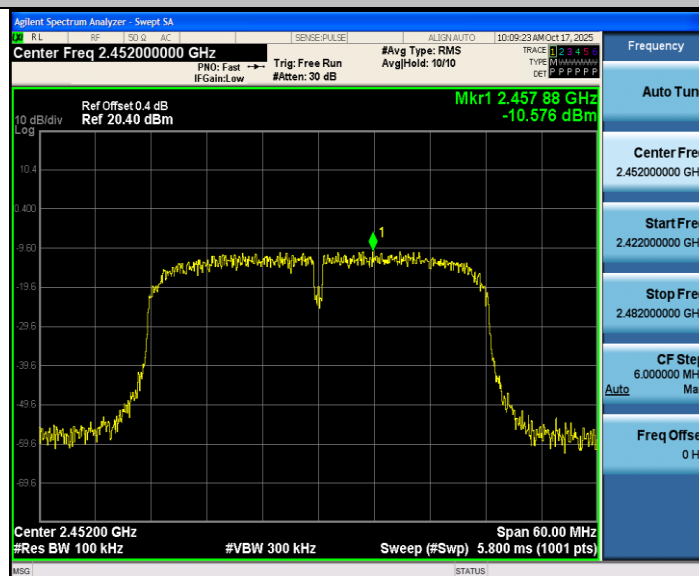
11N40SISO_Ant1_2437_30~1000



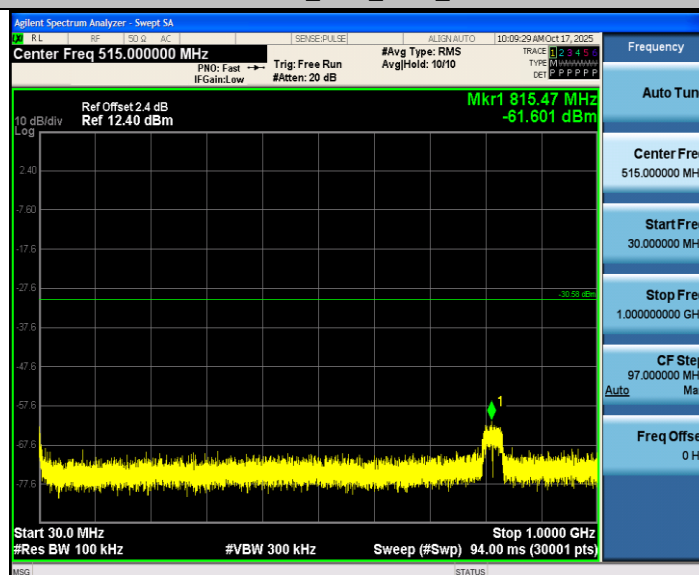
11N40SISO_Ant1_2437_1000~26500



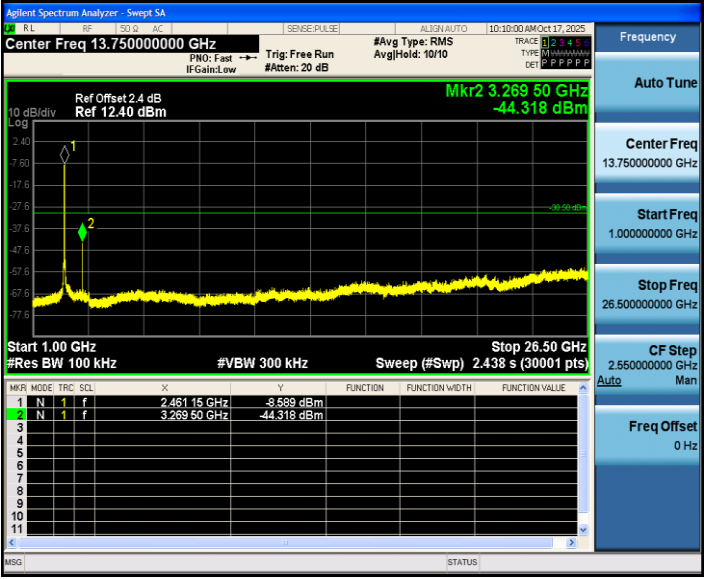
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

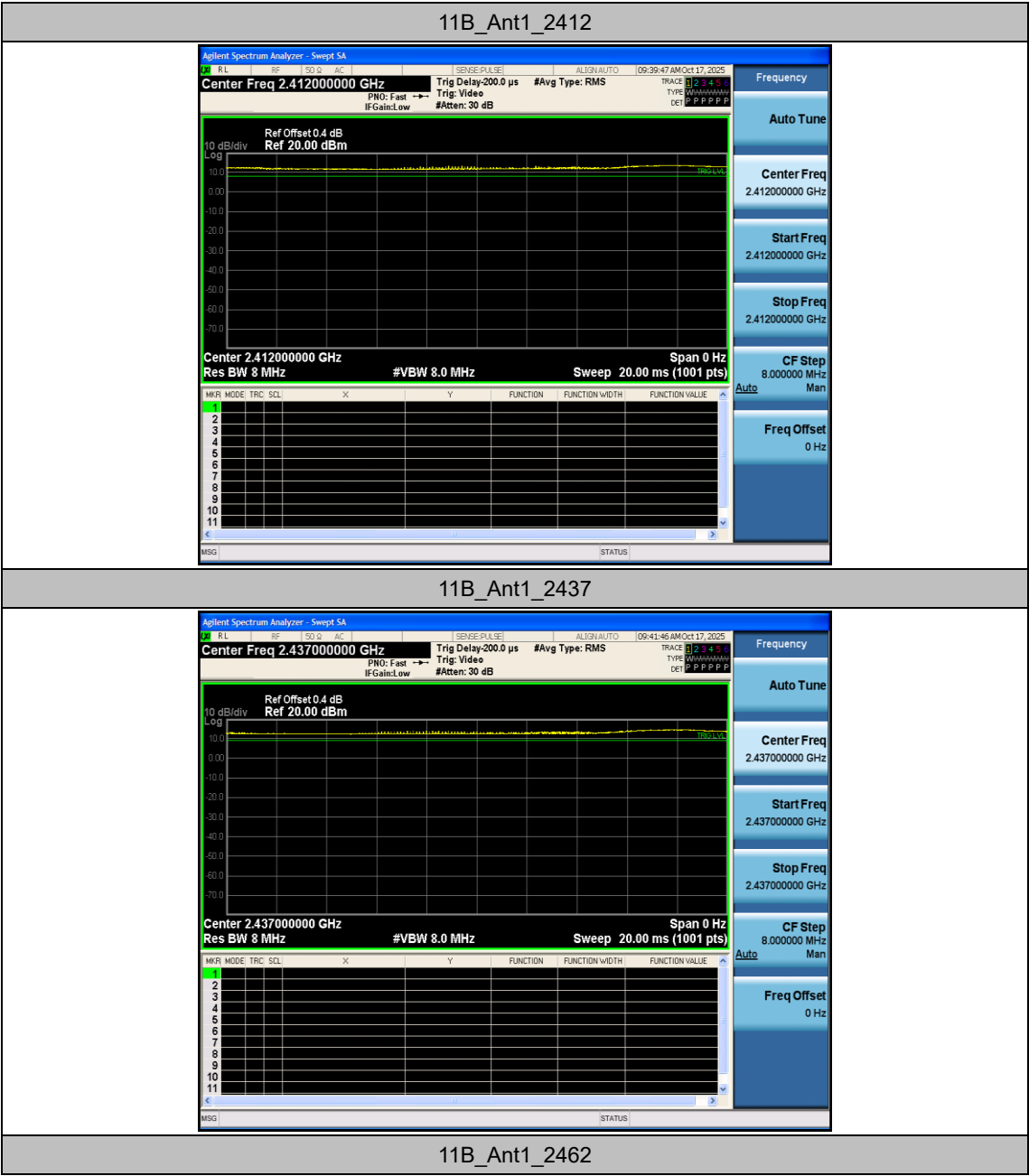


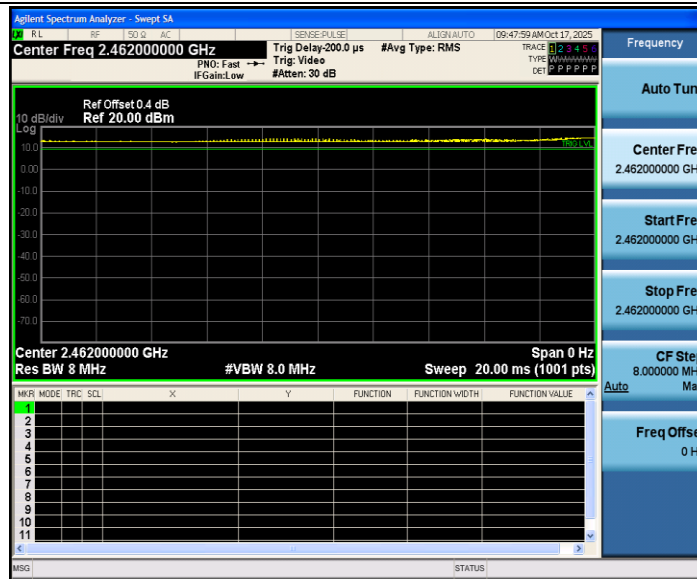
Appendix G: Duty Cycle

Test Result

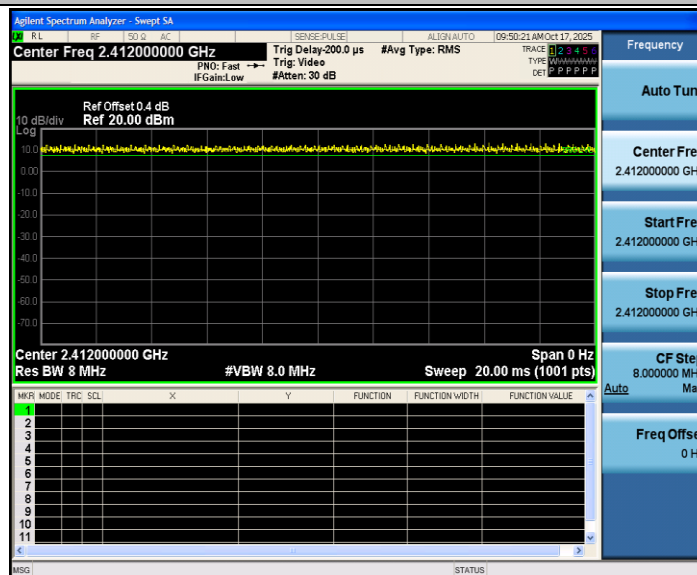
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	20.00	20.00	100.00
		2437	20.00	20.00	100.00
		2462	20.00	20.00	100.00
11G	Ant1	2412	20.00	20.00	100.00
		2437	20.00	20.00	100.00
		2462	20.00	20.00	100.00
11N20SISO	Ant1	2412	20.00	20.00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

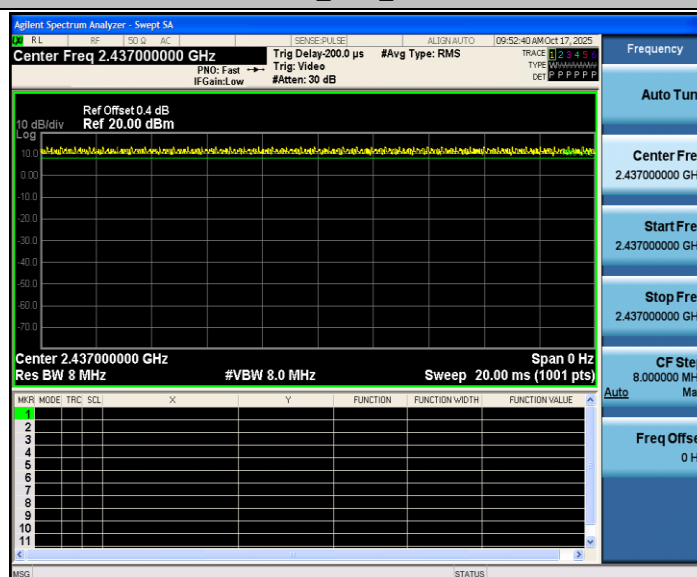




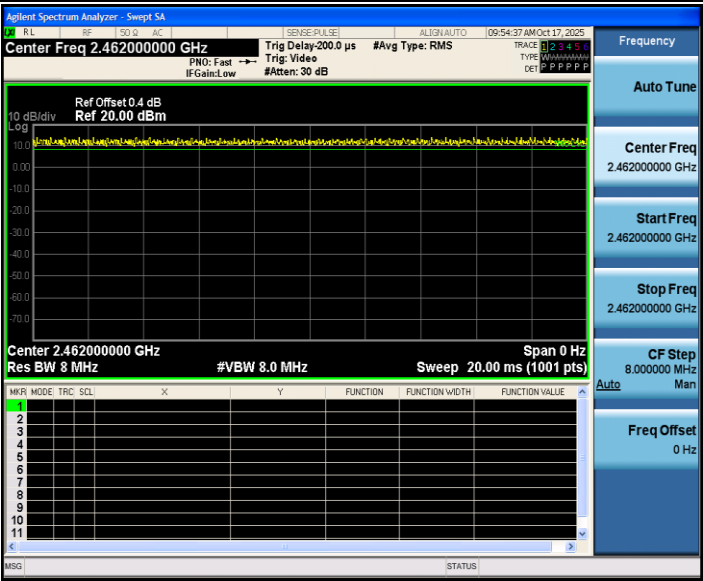
11G_Ant1_2412



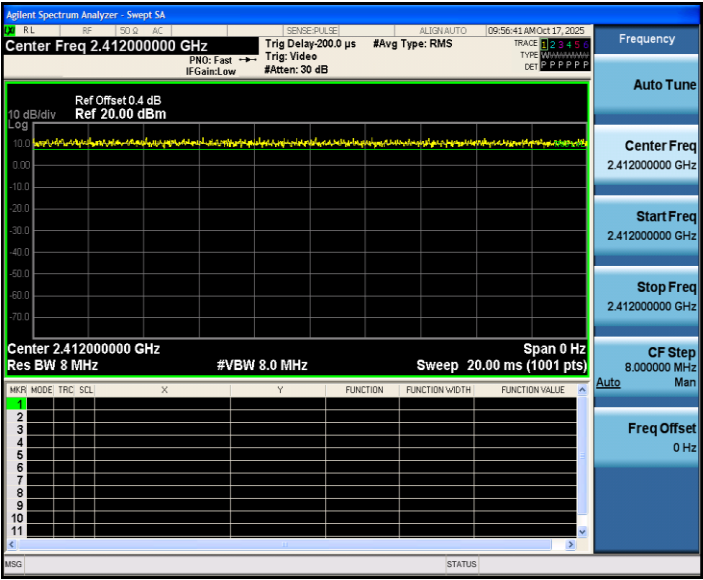
11G_Ant1_2437



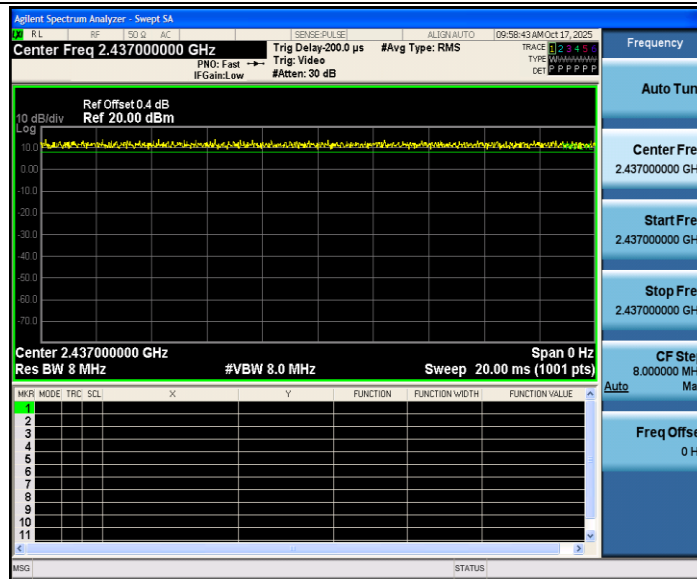
11G_Ant1_2462



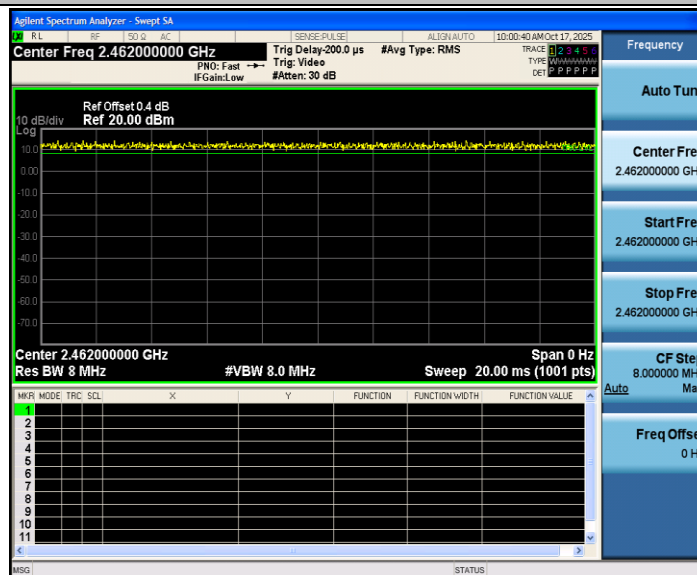
11N20SISO_Ant1_2412



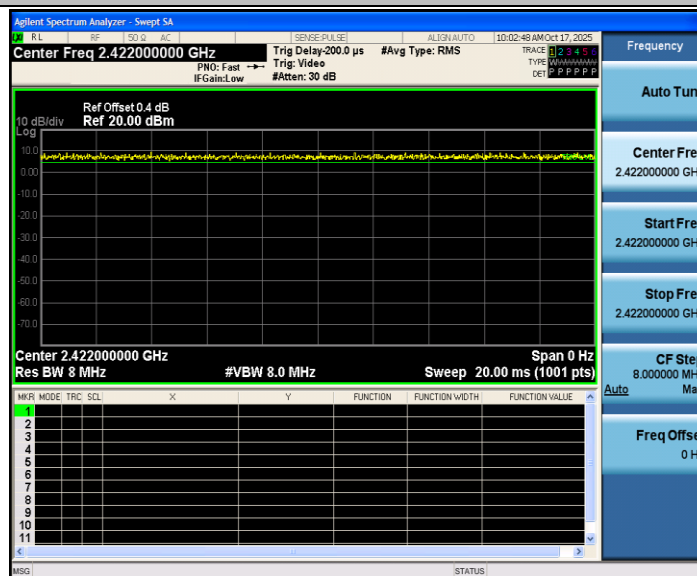
11N20SISO_Ant1_2437



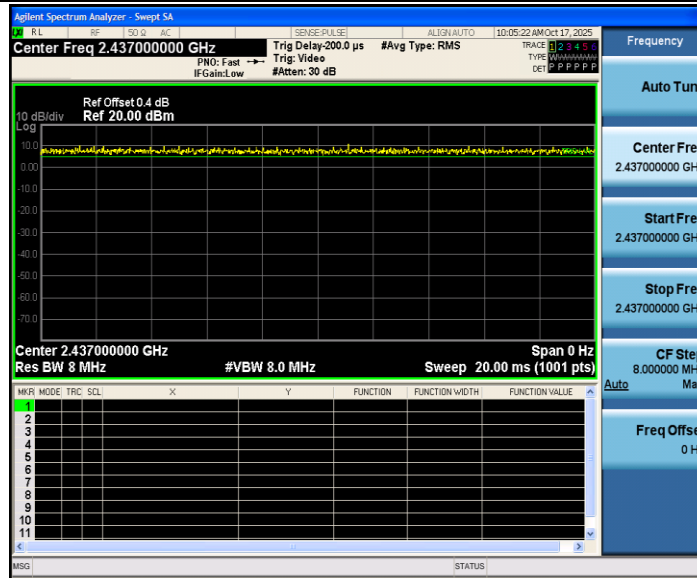
11N20SISO_Ant1_2462



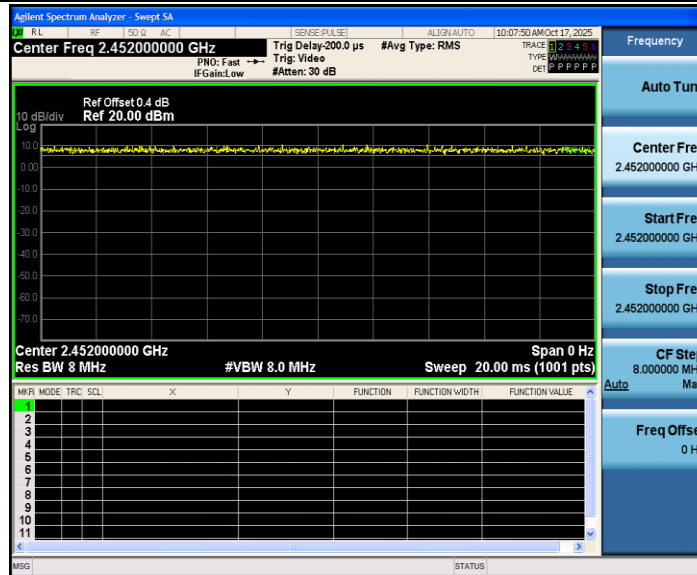
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix RF Test Data for 2.4GWIFI ANT2

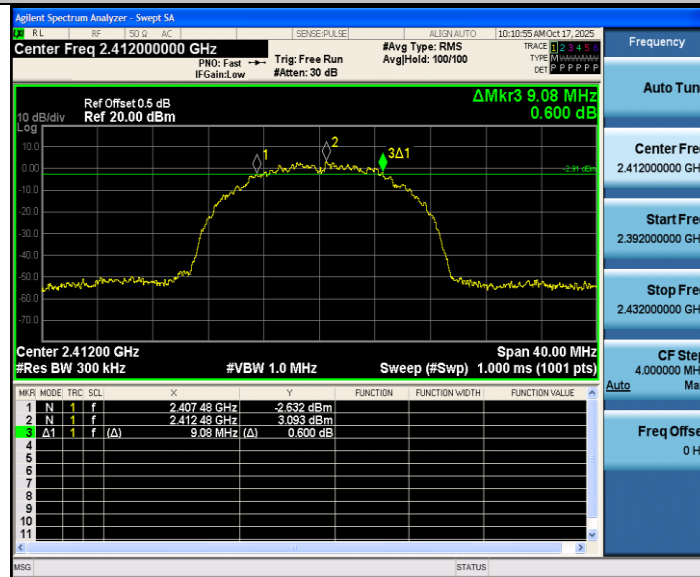
Appendix A: DTS Bandwidth

Test Result

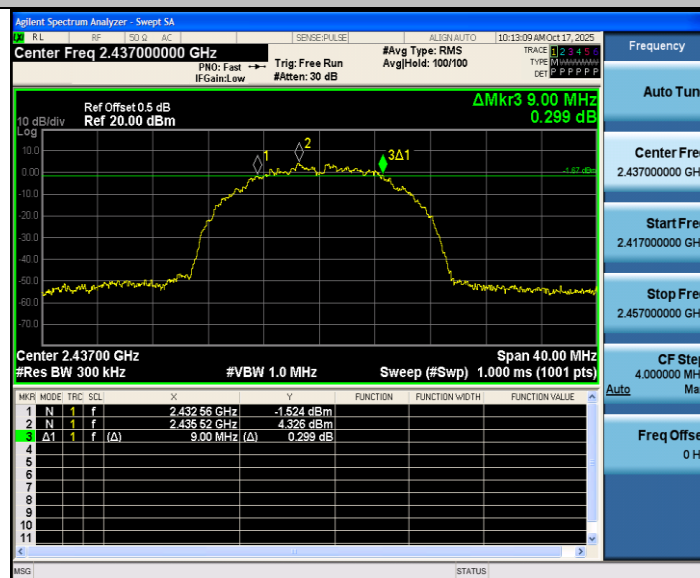
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	9.080	2407.480	2416.560	0.5	PASS
		2437	9.000	2432.560	2441.560	0.5	PASS
		2462	9.120	2457.480	2466.600	0.5	PASS
11G	Ant2	2412	16.280	2403.920	2420.200	0.5	PASS
		2437	16.360	2428.880	2445.240	0.5	PASS
		2462	16.320	2453.880	2470.200	0.5	PASS
11N20SISO	Ant2	2412	17.360	2403.400	2420.760	0.5	PASS
		2437	17.320	2428.400	2445.720	0.5	PASS
		2462	17.280	2453.440	2470.720	0.5	PASS
11N40SISO	Ant2	2422	33.760	2405.440	2439.200	0.5	PASS
		2437	33.760	2420.440	2454.200	0.5	PASS
		2452	34.080	2435.120	2469.200	0.5	PASS

Test Graphs

11B_Ant2_2412



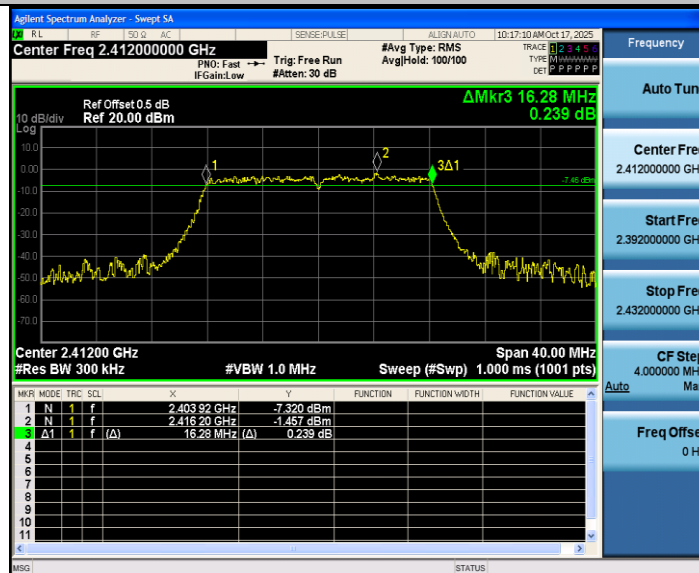
11B_Ant2_2437



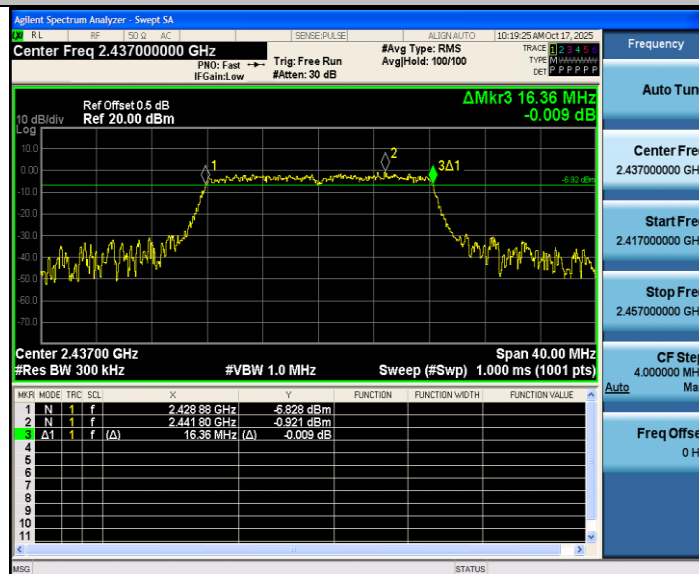
11B_Ant2_2462



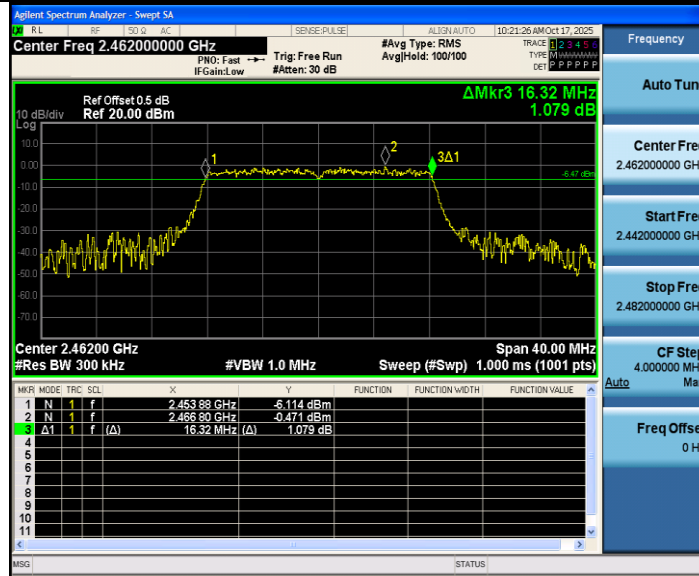
11G_Ant2_2412



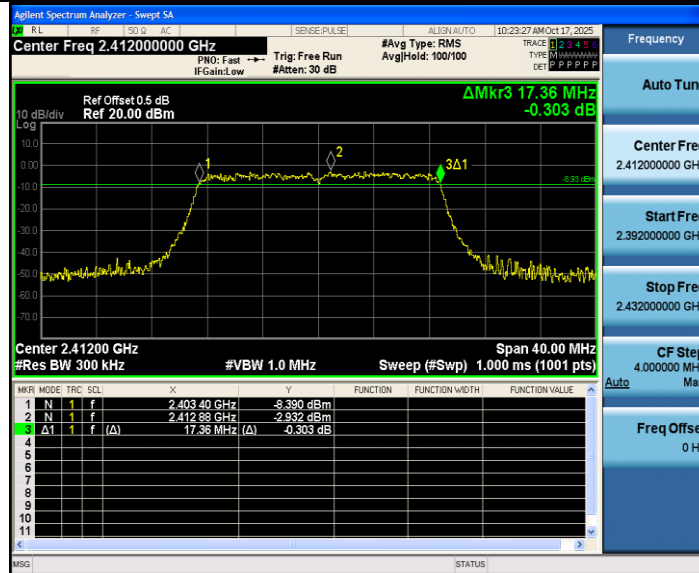
11G_Ant2_2437



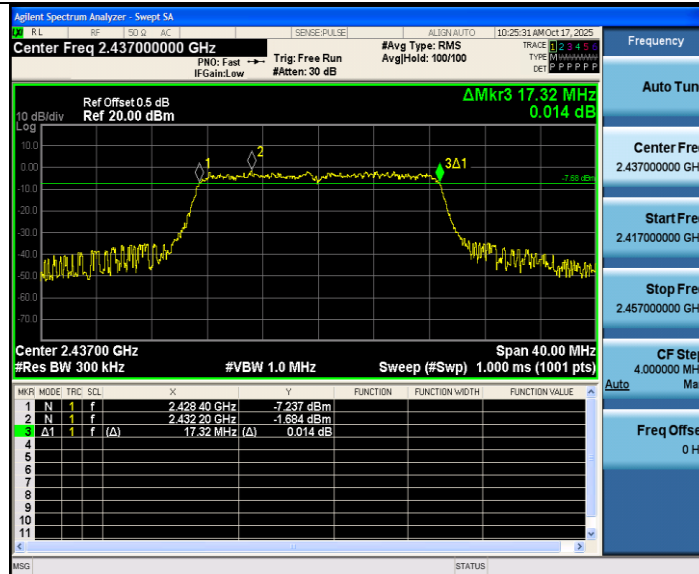
11G_Ant2_2462



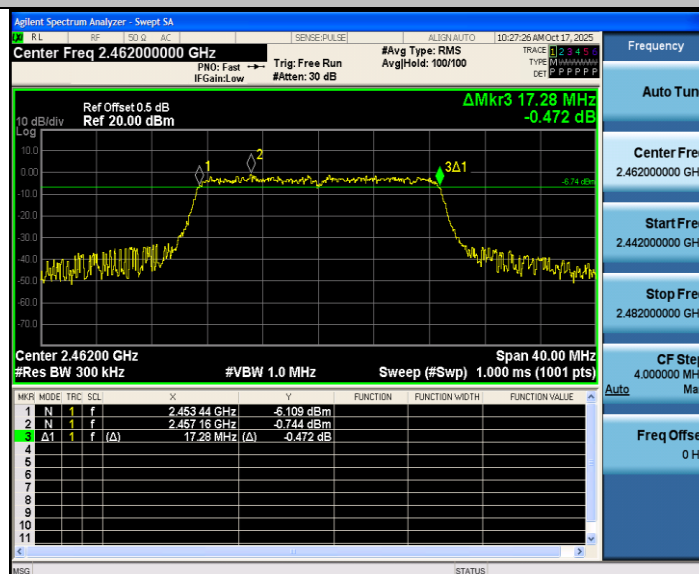
11N20SISO_Ant2_2412



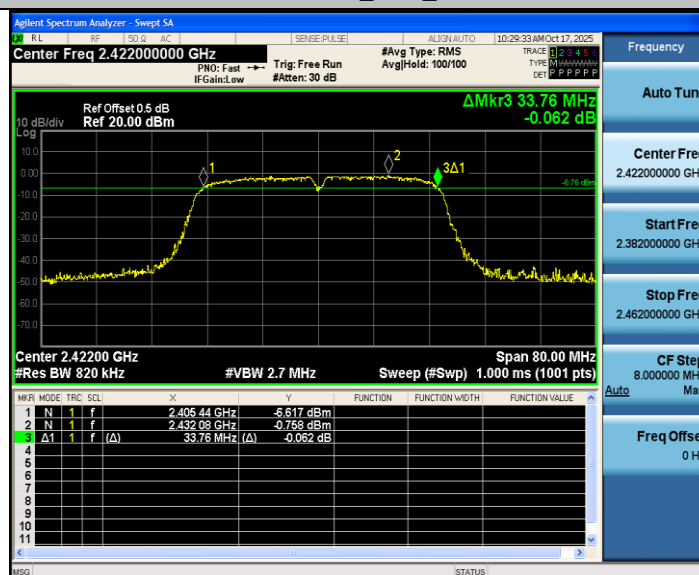
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422

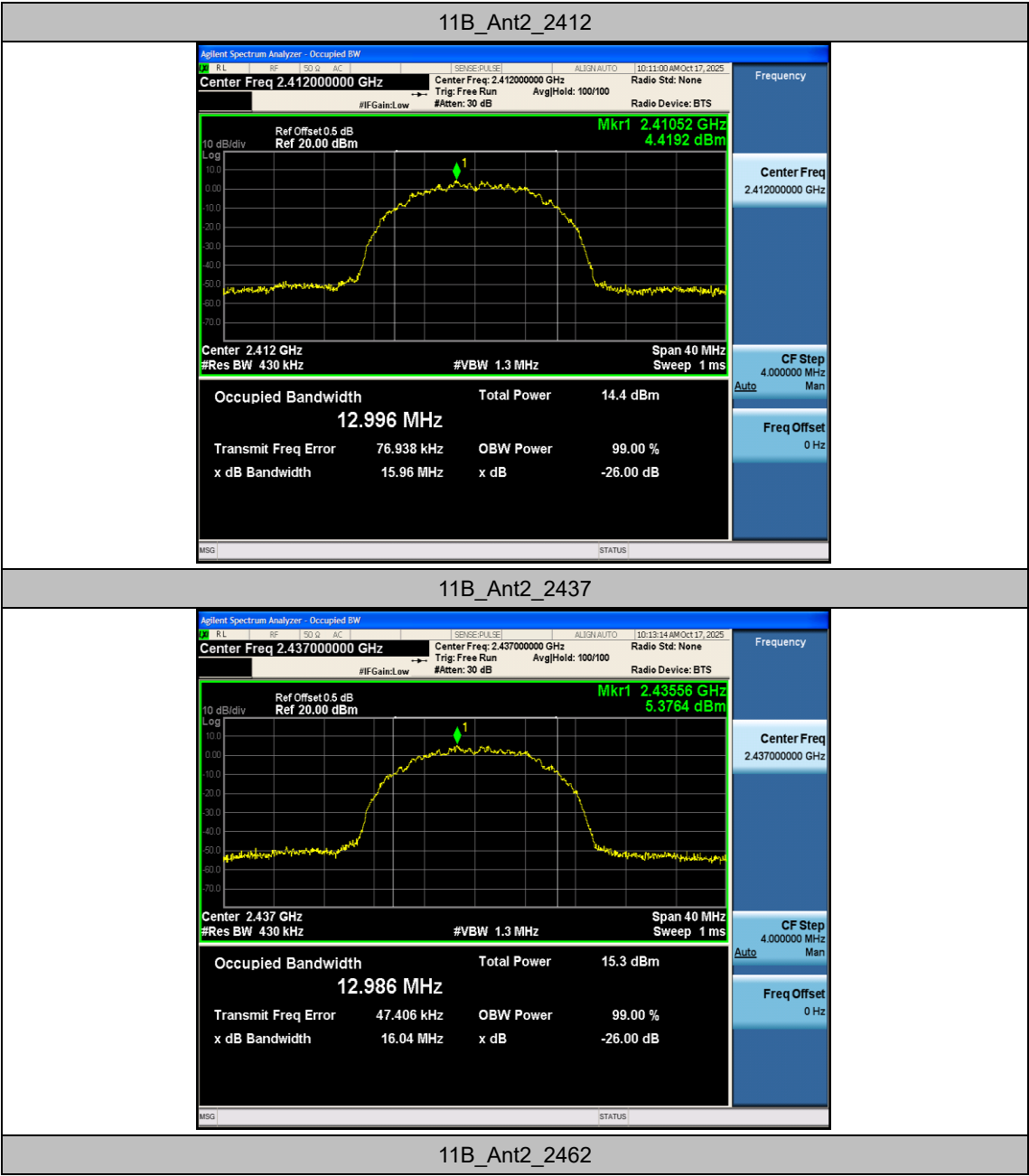


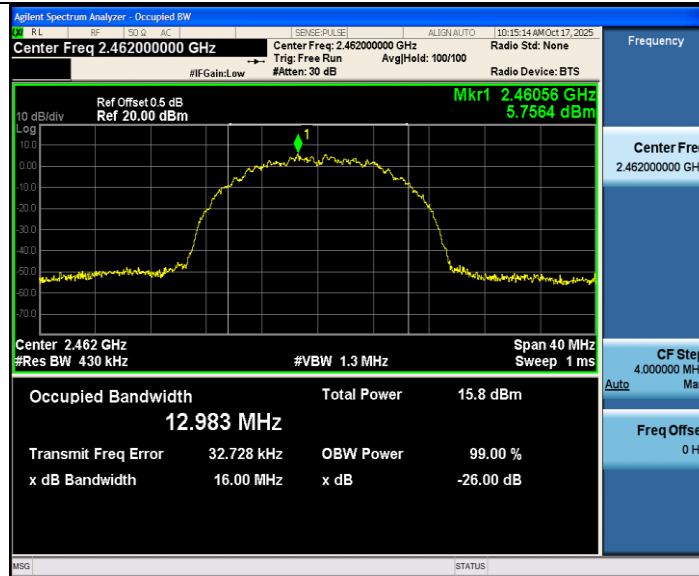
Appendix B: Occupied Channel Bandwidth

Test Result

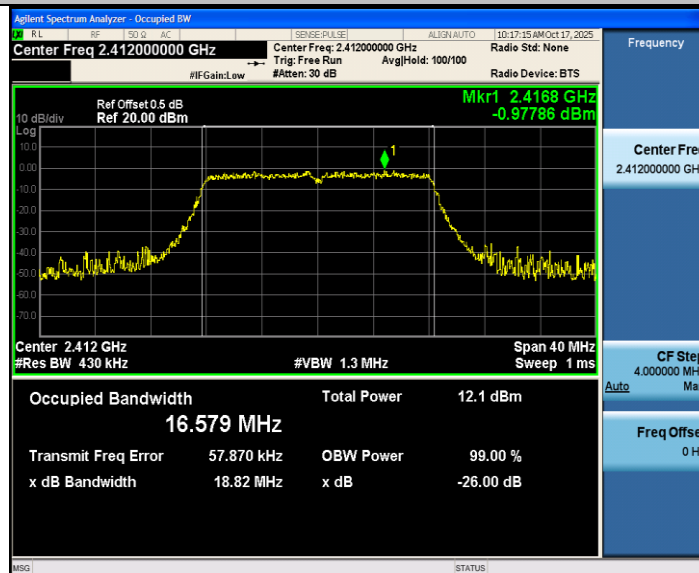
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.996	2405.5789	2418.5749	---	---
		2437	12.986	2430.5544	2443.5404	---	---
		2462	12.983	2455.5412	2468.5242	---	---
11G	Ant2	2412	16.579	2403.7684	2420.3474	---	---
		2437	16.600	2428.7384	2445.3384	---	---
		2462	16.580	2453.7333	2470.3133	---	---
11N20SISO	Ant2	2412	17.460	2403.3325	2420.7925	---	---
		2437	17.473	2428.3177	2445.7907	---	---
		2462	17.493	2453.3038	2470.7968	---	---
11N40SISO	Ant2	2422	34.848	2404.8138	2439.6618	---	---
		2437	34.857	2419.7494	2454.6064	---	---
		2452	34.839	2434.7430	2469.5820	---	---

Test Graphs

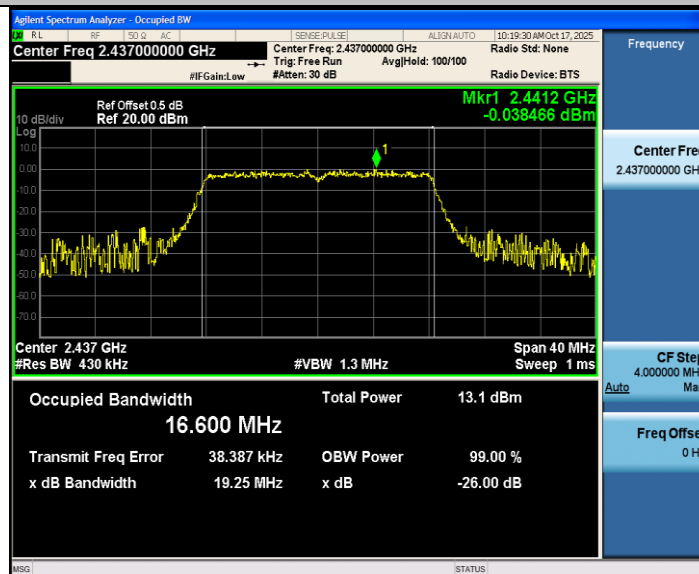




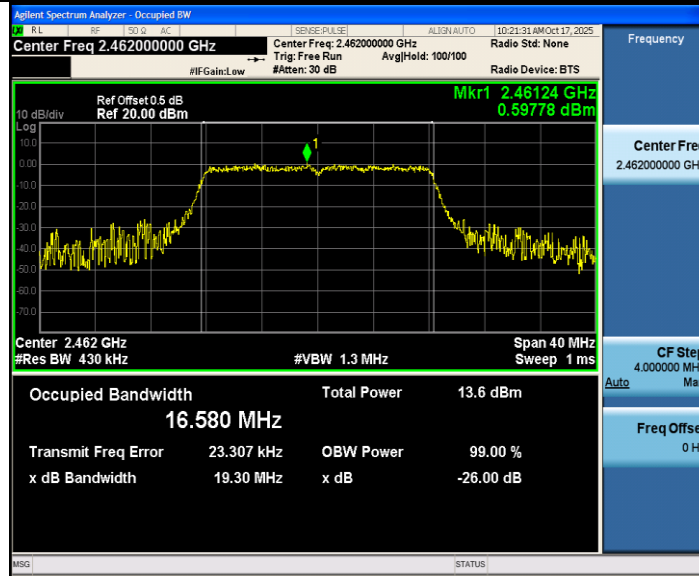
11G_Ant2_2412



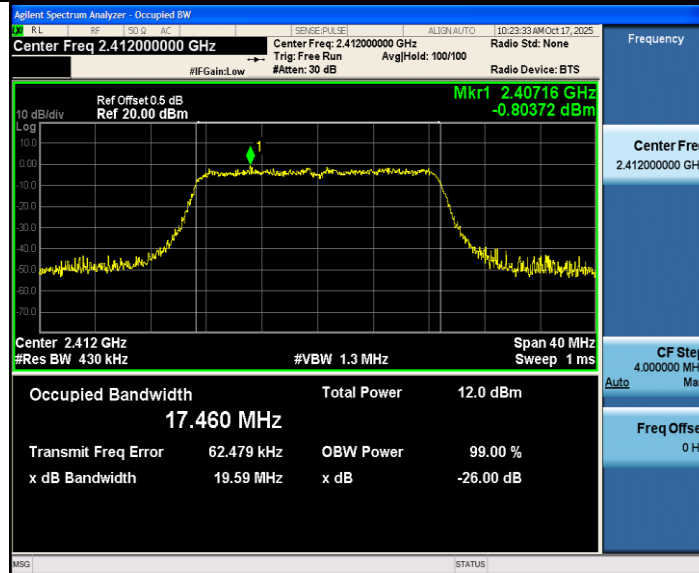
11G_Ant2_2437



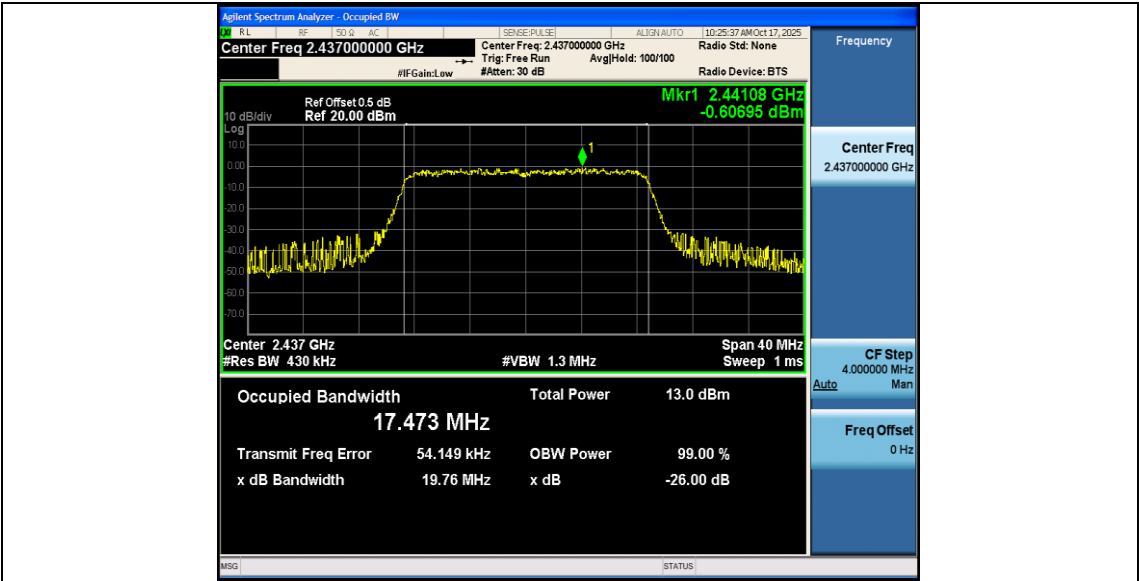
11G_Ant2_2462



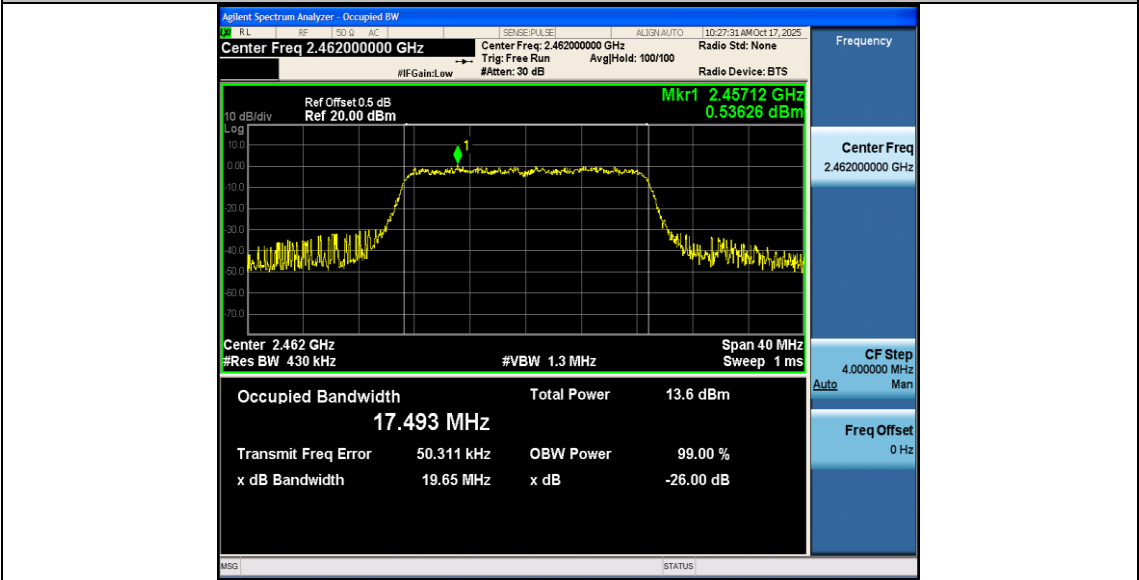
11N20SISO_Ant2_2412



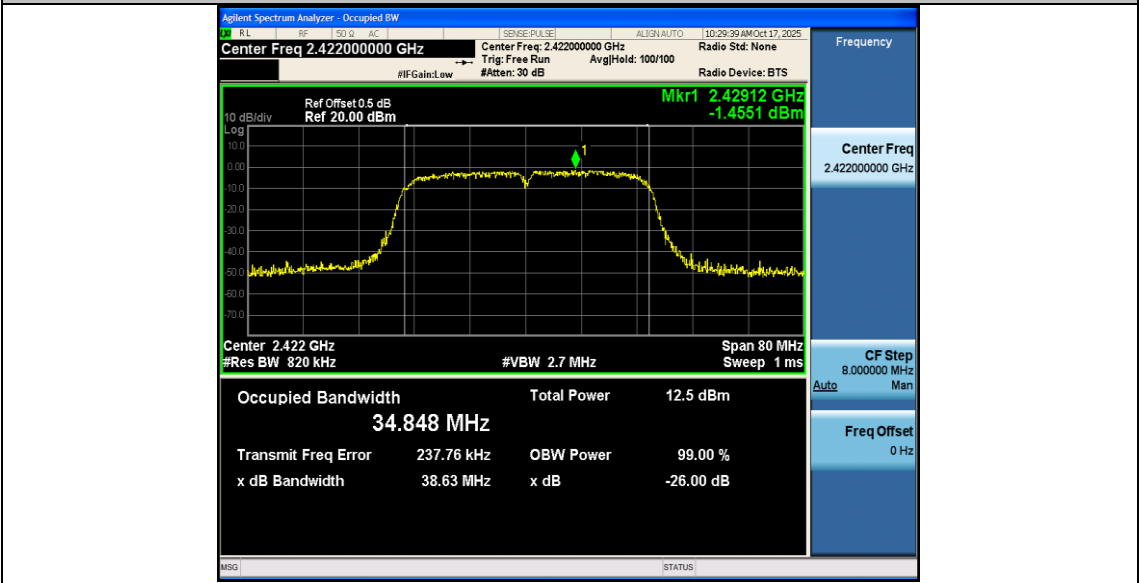
11N20SISO_Ant2_2437



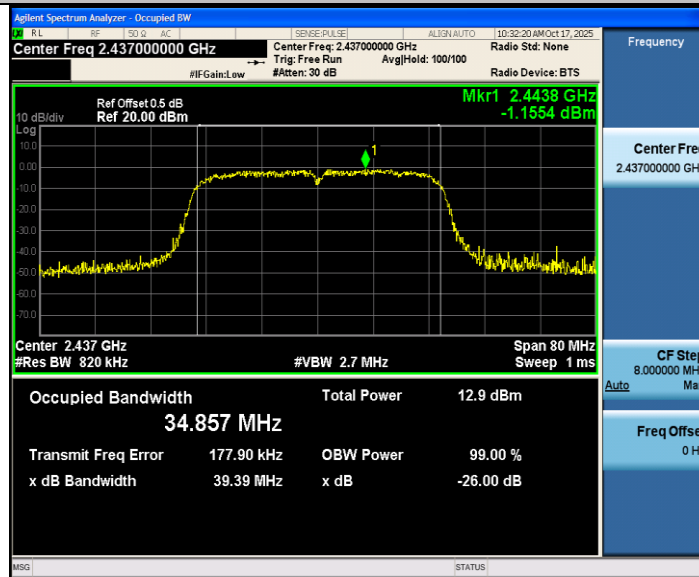
11N20SISO_Ant2_2462



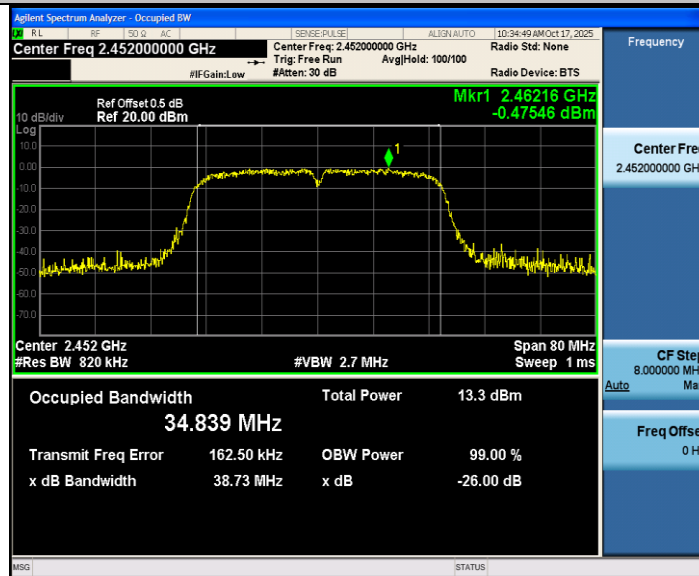
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	13.78	≤30.00	PASS
		2437	14.76	≤30.00	PASS
		2462	15.27	≤30.00	PASS
11G	Ant2	2412	12.94	≤30.00	PASS
		2437	13.83	≤30.00	PASS
		2462	14.40	≤30.00	PASS
11N20SISO	Ant2	2412	13.19	≤30.00	PASS
		2437	14.23	≤30.00	PASS
		2462	14.62	≤30.00	PASS
11N40SISO	Ant2	2422	12.80	≤30.00	PASS
		2437	13.24	≤30.00	PASS
		2452	13.67	≤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	-15.58	≤8.00	PASS
		2437	-14.68	≤8.00	PASS
		2462	-13.57	≤8.00	PASS
11G	Ant2	2412	-21.48	≤8.00	PASS
		2437	-20.53	≤8.00	PASS
		2462	-19.99	≤8.00	PASS
11N20SISO	Ant2	2412	-21.64	≤8.00	PASS
		2437	-19.96	≤8.00	PASS
		2462	-19.59	≤8.00	PASS
11N40SISO	Ant2	2422	-22.78	≤8.00	PASS
		2437	-21.99	≤8.00	PASS
		2452	-21.73	≤8.00	PASS

Test Graphs

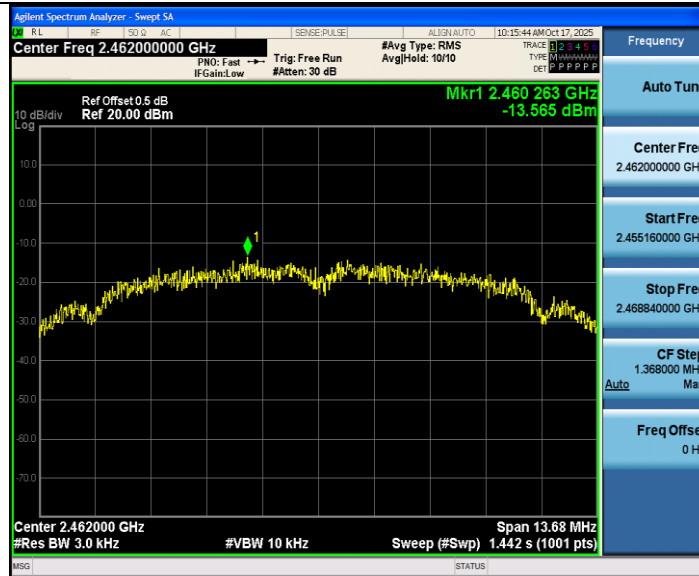
11B_Ant2_2412



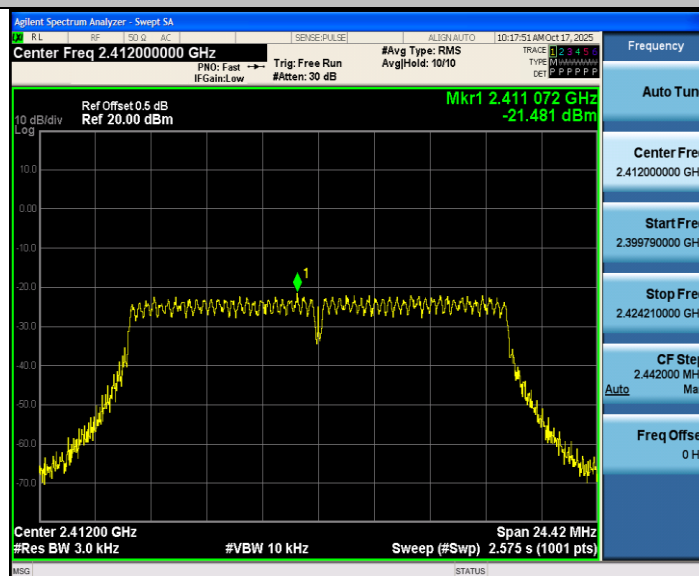
11B_Ant2_2437



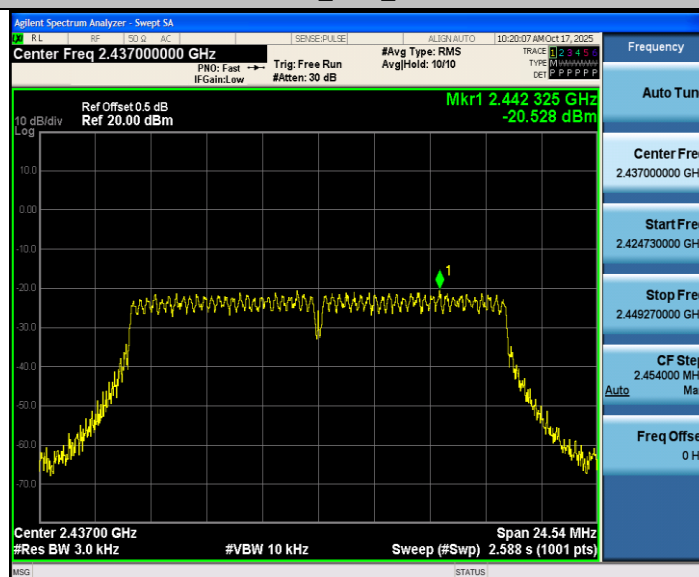
11B_Ant2_2462



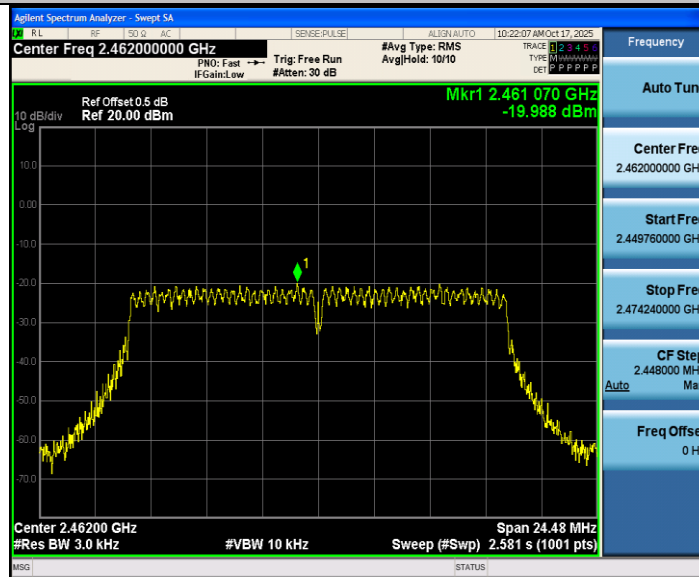
11G_Ant2_2412



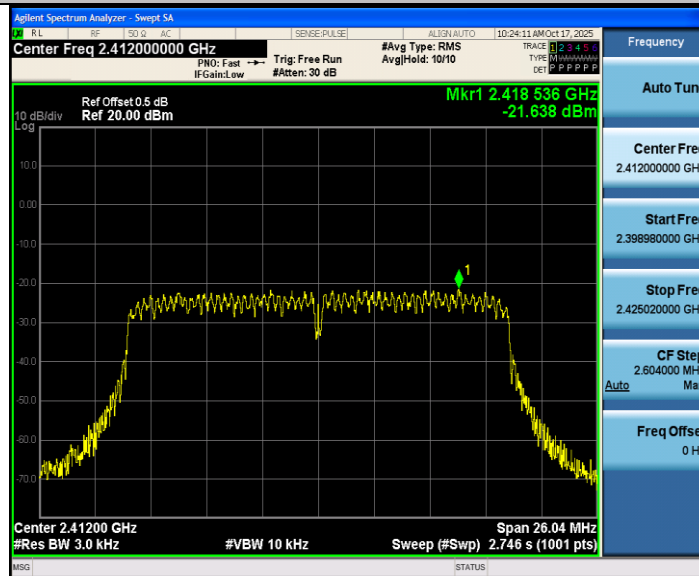
11G_Ant2_2437



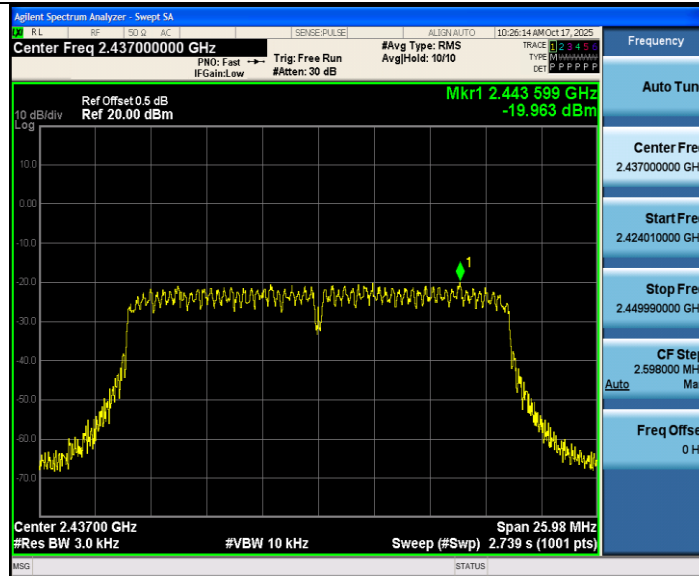
11G_Ant2_2462



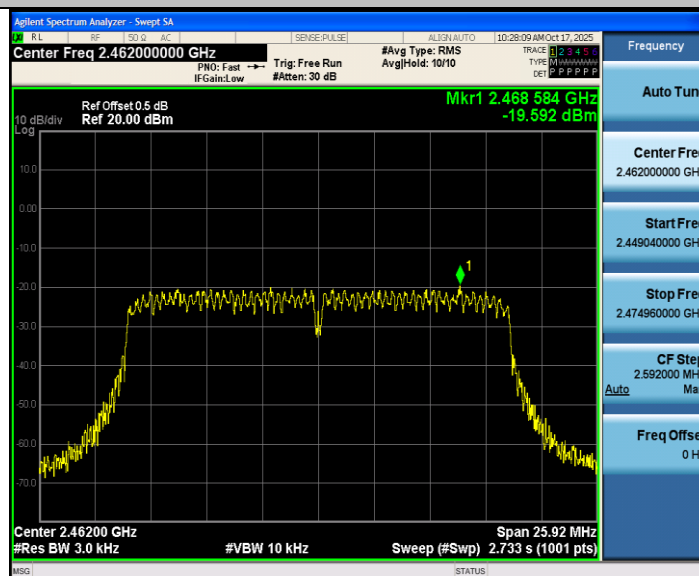
11N20SISO_Ant2_2412



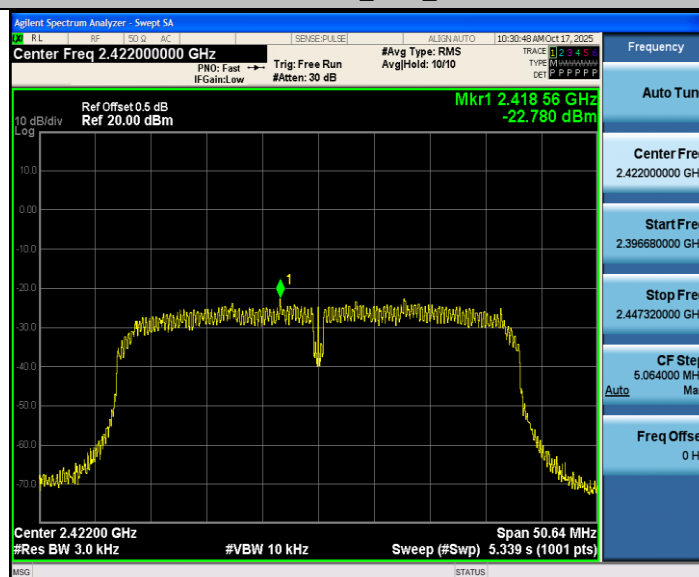
11N20SISO_Ant2_2437



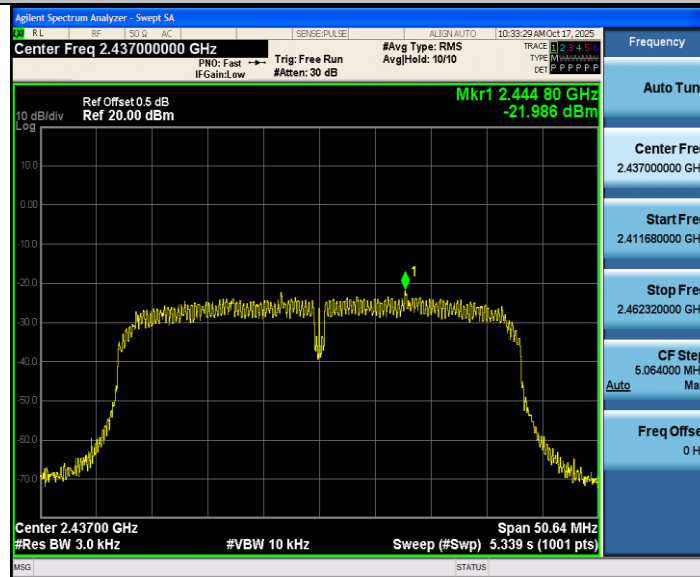
11N20SISO_Ant2_2462



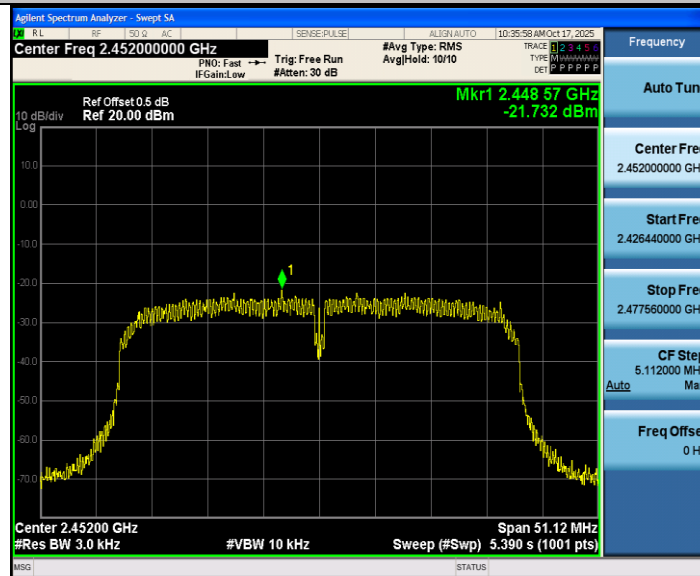
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



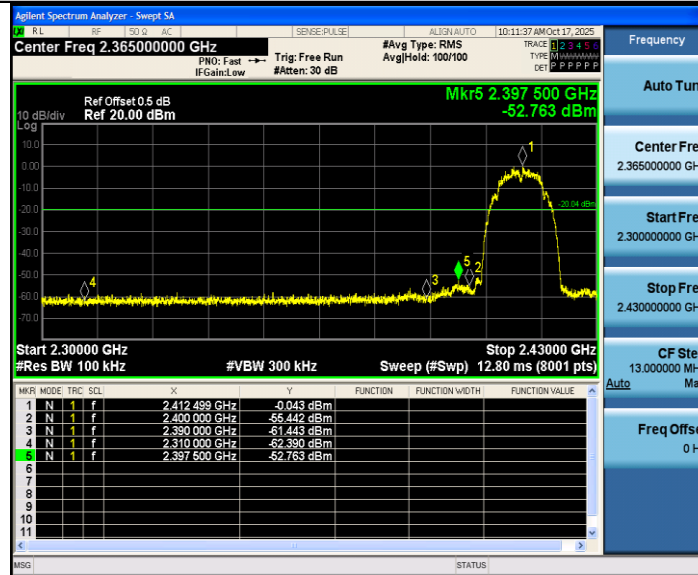
Appendix E: Band edge measurements

Test Result

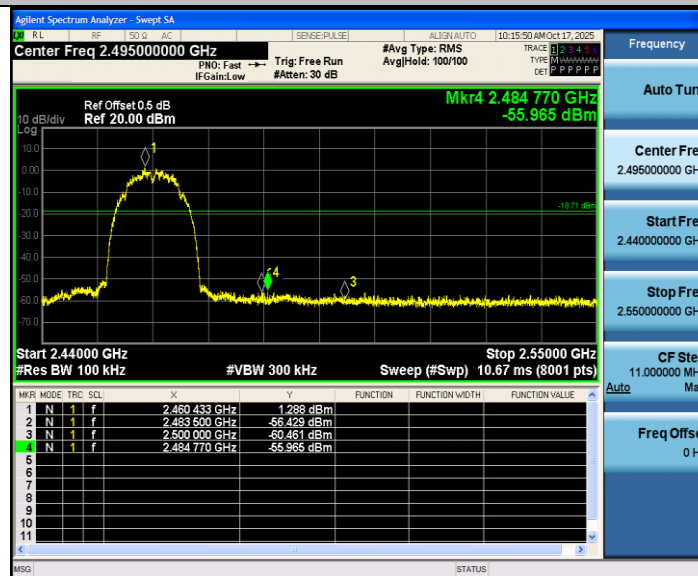
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	-0.04	-52.76	≤-20.04	PASS
		High	2462	1.29	-55.97	≤-18.71	PASS
11G	Ant2	Low	2412	-7.74	-47.69	≤-27.74	PASS
		High	2462	-6.29	-47.84	≤-26.29	PASS
11N20SISO	Ant2	Low	2412	-7.40	-49.18	≤-27.4	PASS
		High	2462	-5.62	-51.62	≤-25.62	PASS
11N40SISO	Ant2	Low	2422	-10.14	-50.55	≤-30.14	PASS
		High	2452	-9.62	-52.4	≤-29.62	PASS

Test Graphs

11B_Ant2_Low_2412



11B_Ant2_High_2462



11G_Ant2_Low_2412