

Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AAMS-D157Y

Company : SHENZHEN NST INDUSTRY AND TRADE CO.,LTD

EUT : Calendar

Model Number : D157Y

Report No. : CTA25073000501

Reviewed By : Eric Wang

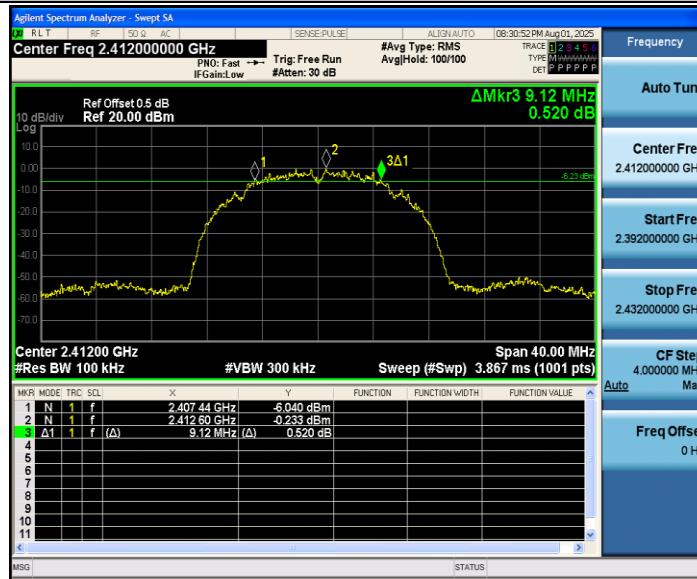
Appendix A: DTS Bandwidth

Test Result

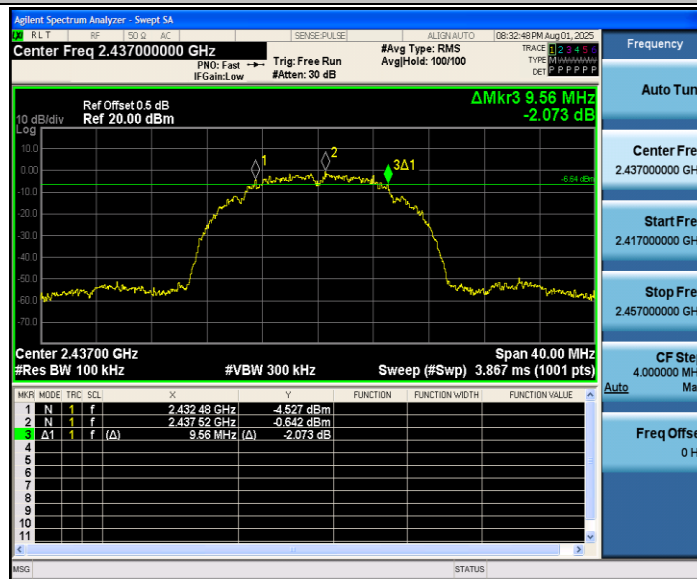
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.440	2416.560	0.5	PASS
		2437	9.560	2432.480	2442.040	0.5	PASS
		2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	16.480	2403.800	2420.280	0.5	PASS
		2437	16.520	2428.760	2445.280	0.5	PASS
		2462	16.520	2453.720	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.480	2420.800	0.5	PASS
		2437	17.560	2428.240	2445.800	0.5	PASS
		2462	17.560	2453.240	2470.800	0.5	PASS
11N40SISO	Ant1	2422	33.280	2405.440	2438.720	0.5	PASS
		2437	33.920	2420.120	2454.040	0.5	PASS
		2452	33.920	2435.120	2469.040	0.5	PASS
11AX20SISO	Ant1	2412	17.520	2403.280	2420.800	0.5	PASS
		2437	17.560	2428.240	2445.800	0.5	PASS
		2462	17.560	2453.240	2470.800	0.5	PASS
11AX40SISO	Ant1	2422	33.520	2405.360	2438.880	0.5	PASS
		2437	33.520	2420.120	2453.640	0.5	PASS
		2452	34.000	2435.120	2469.120	0.5	PASS

Test Graphs

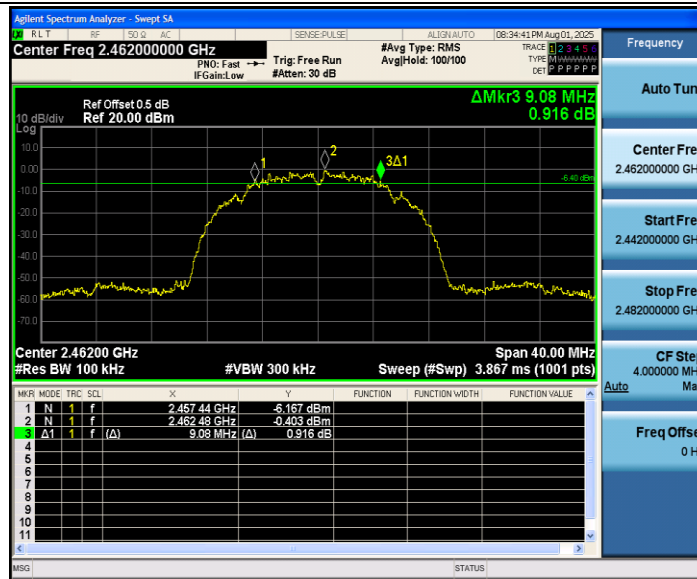
11B_Ant1_2412



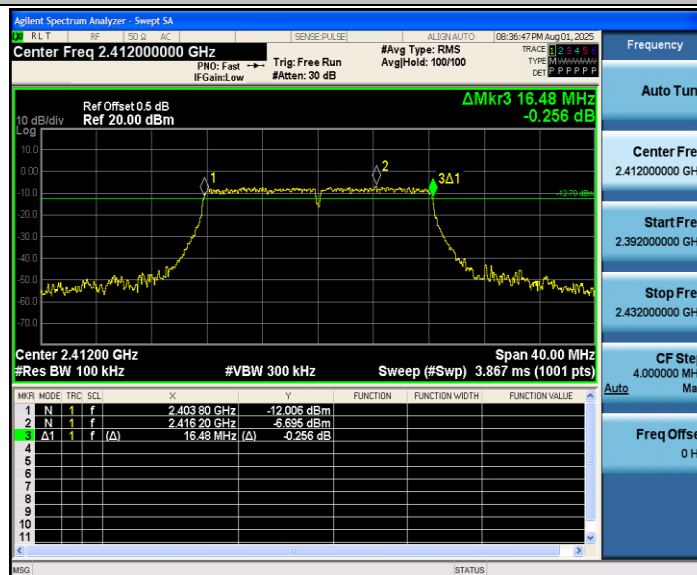
11B_Ant1_2437



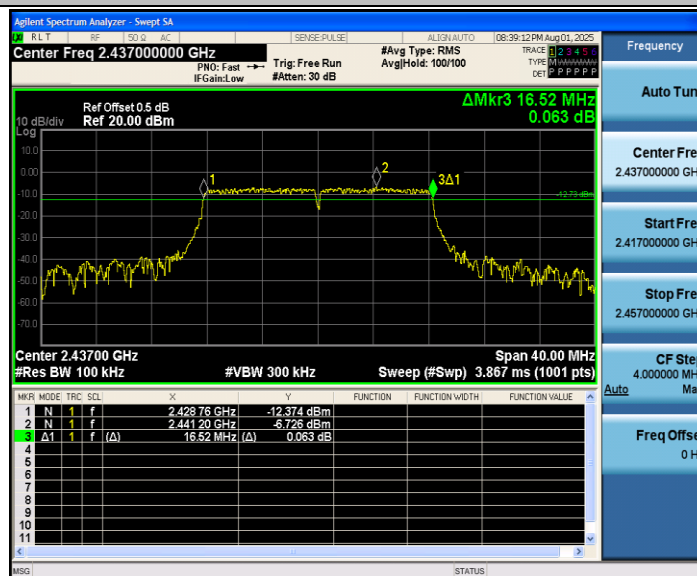
11B_Ant1_2462



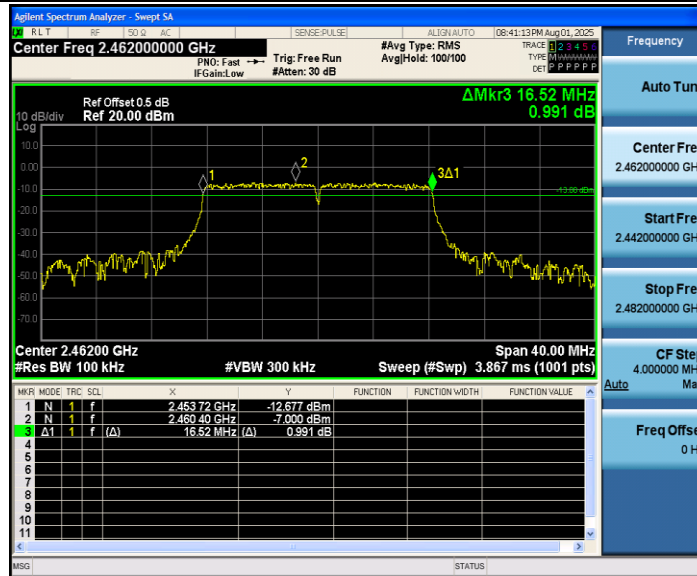
11G_Ant1_2412



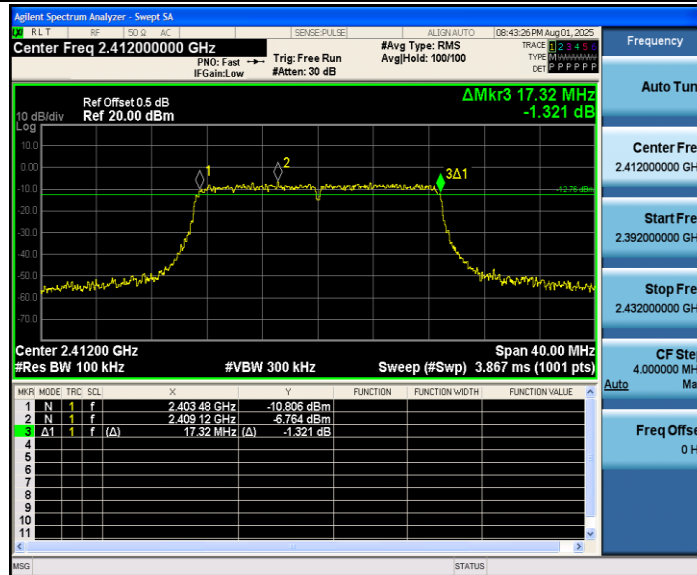
11G_Ant1_2437



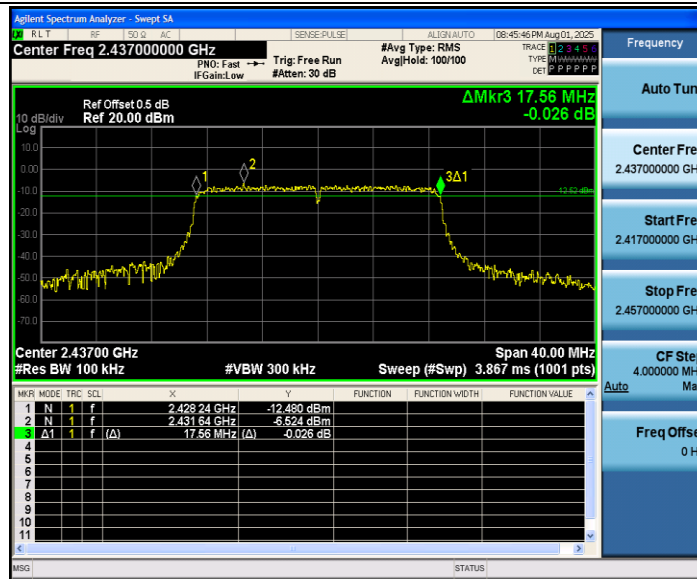
11G_Ant1_2462



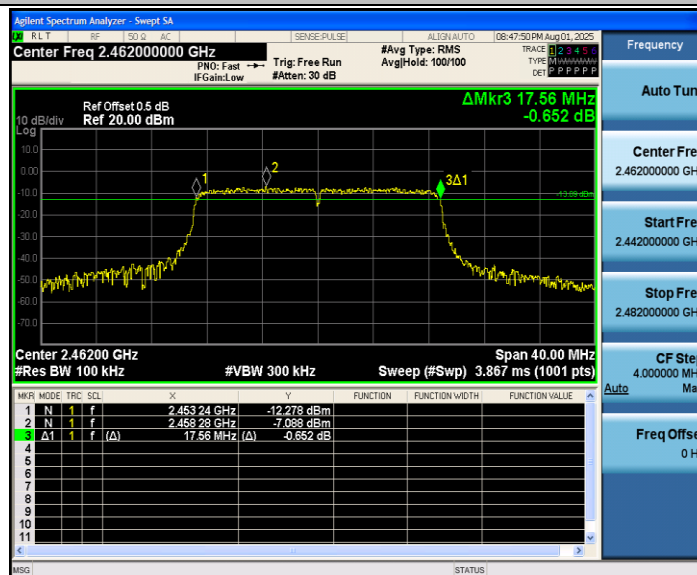
11N20SISO_Ant1_2412



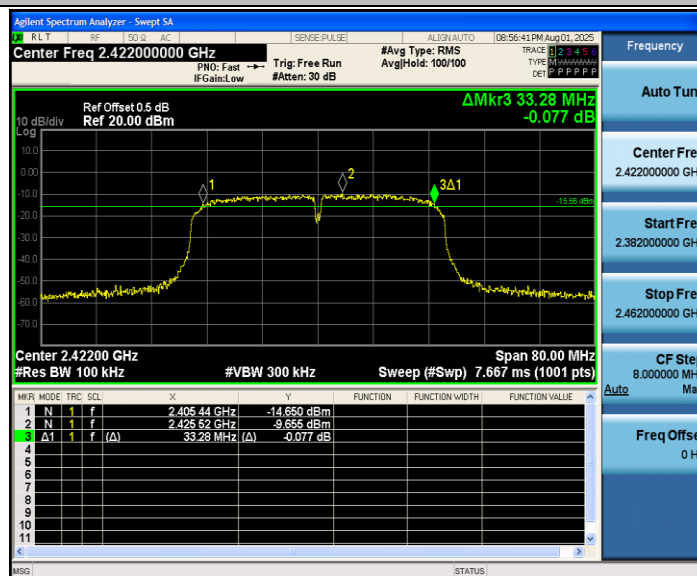
11N20SISO_Ant1_2437



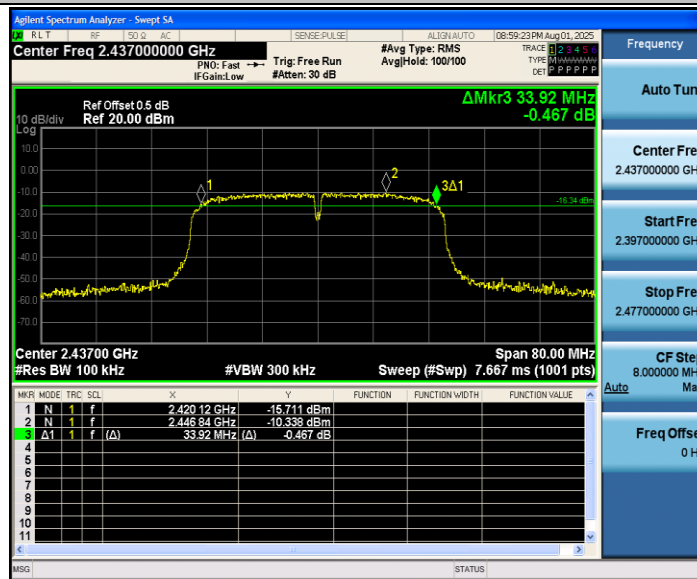
11N20SISO_Ant1_2462



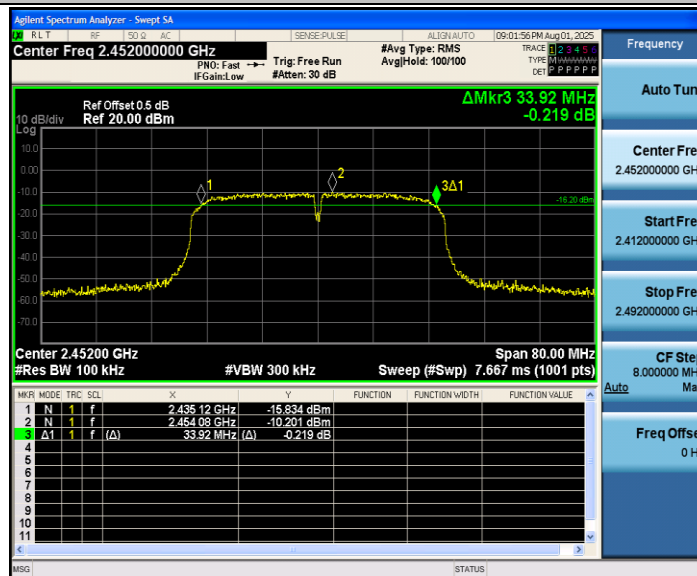
11N40SISO_Ant1_2422



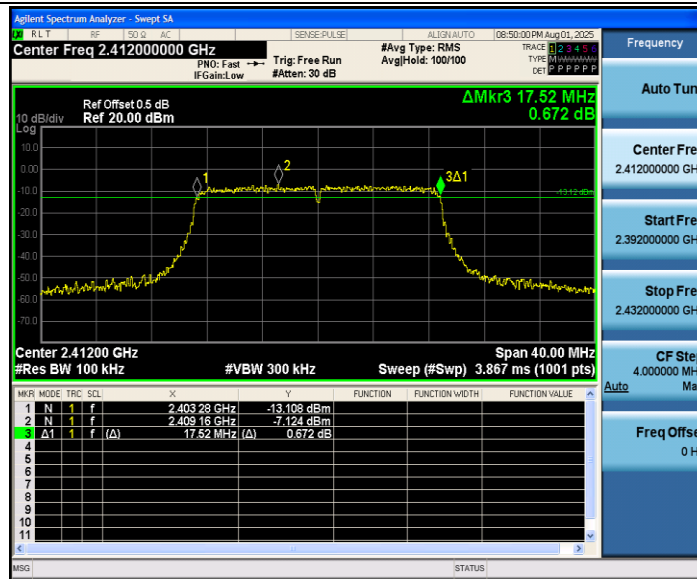
11N40SISO_Ant1_2437



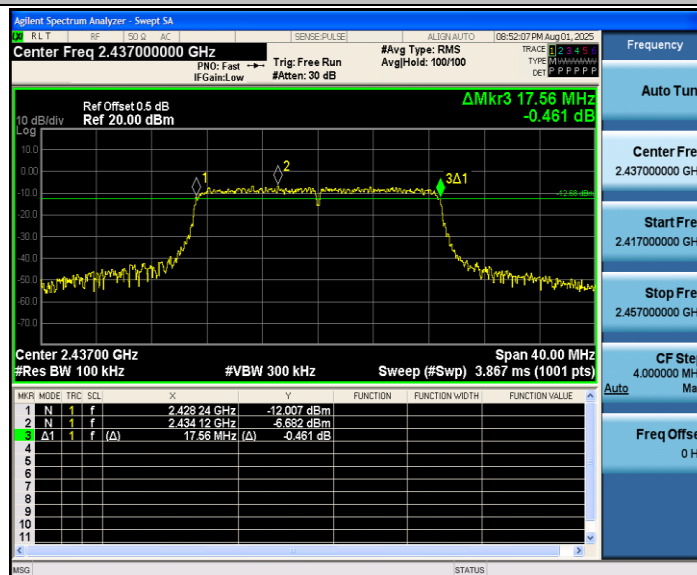
11N40SISO_Ant1_2452



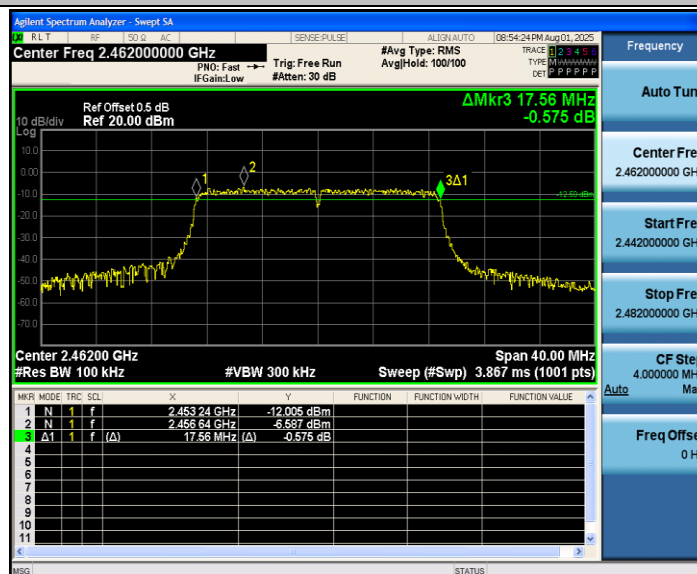
11AX20SISO_Ant1_2412



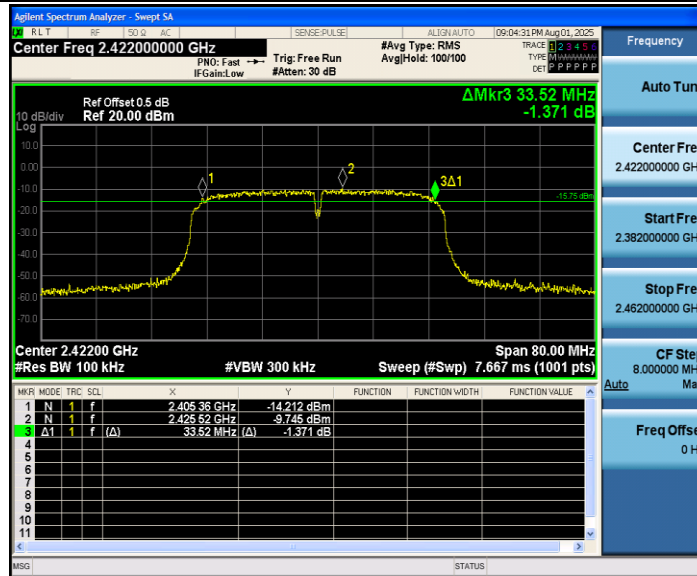
11AX20SISO_Ant1_2437



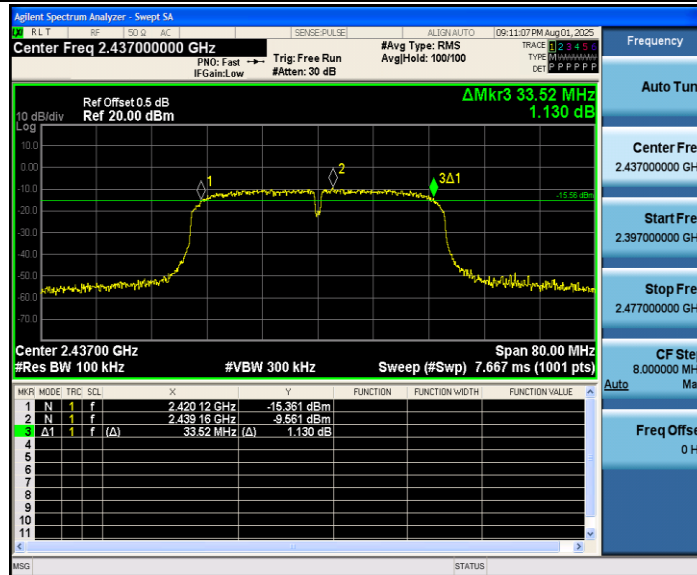
11AX20SISO_Ant1_2462



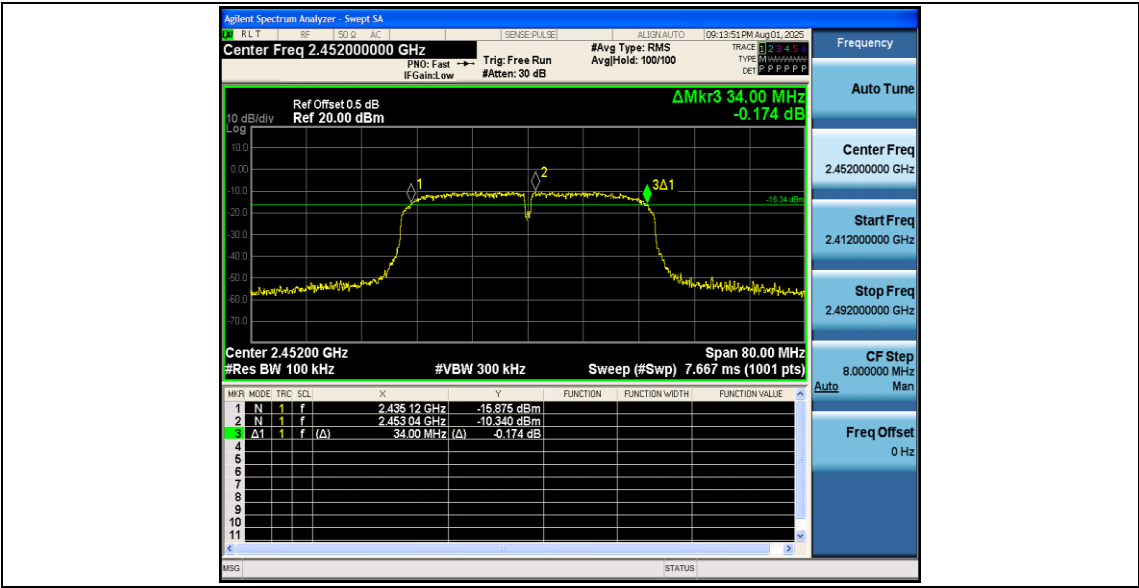
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



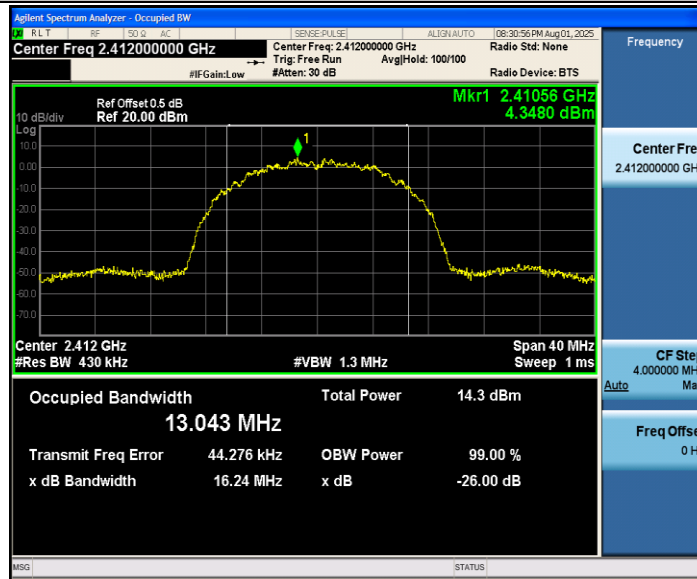
Appendix B: Occupied Channel Bandwidth

Test Result

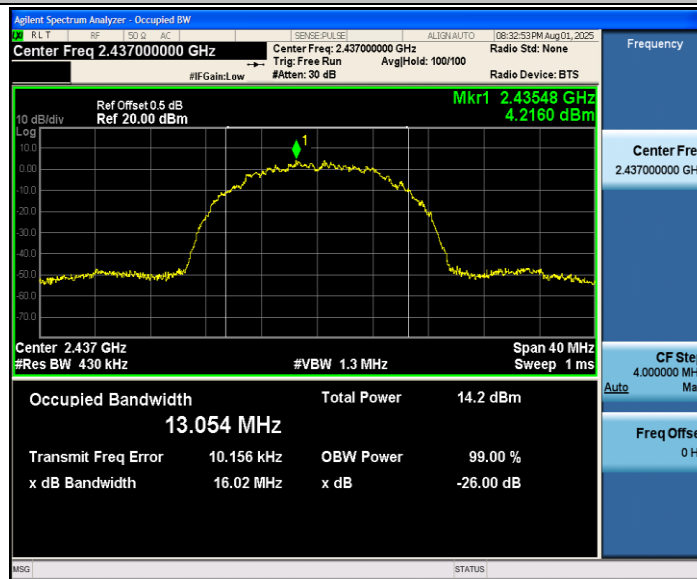
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.043	2405.5228	2418.5658	---	---
		2437	13.054	2430.4832	2443.5372	---	---
		2462	13.091	2455.4349	2468.5259	---	---
11G	Ant1	2412	16.556	2403.7749	2420.3309	---	---
		2437	16.557	2428.7583	2445.3153	---	---
		2462	16.617	2453.7145	2470.3315	---	---
11N20SISO	Ant1	2412	17.431	2403.3409	2420.7719	---	---
		2437	17.456	2428.3057	2445.7617	---	---
		2462	17.447	2453.3150	2470.7620	---	---
11N40SISO	Ant1	2422	34.814	2404.7587	2439.5727	---	---
		2437	34.757	2419.7452	2454.5022	---	---
		2452	34.816	2434.6663	2469.4823	---	---
11AX20SISO	Ant1	2412	17.446	2403.3365	2420.7825	---	---
		2437	17.464	2428.2949	2445.7589	---	---
		2462	17.444	2453.3074	2470.7514	---	---
11AX40SISO	Ant1	2422	34.797	2404.7635	2439.5605	---	---
		2437	34.794	2419.7431	2454.5371	---	---
		2452	34.811	2434.6462	2469.4572	---	---

Test Graphs

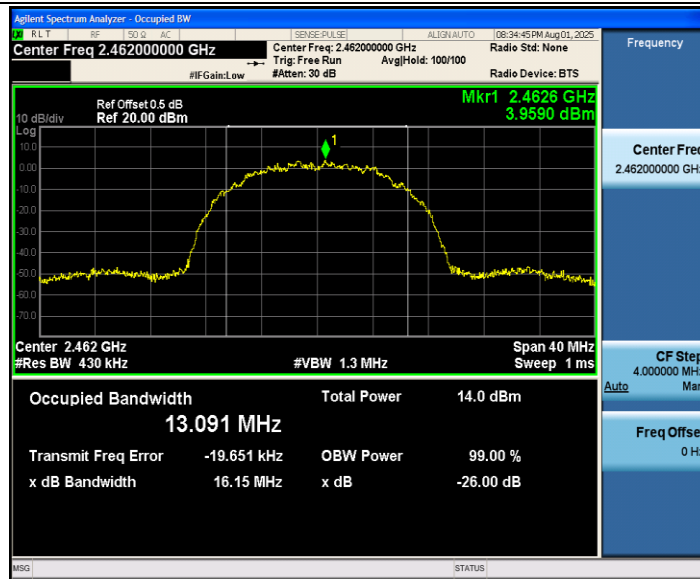
11B_Ant1_2412



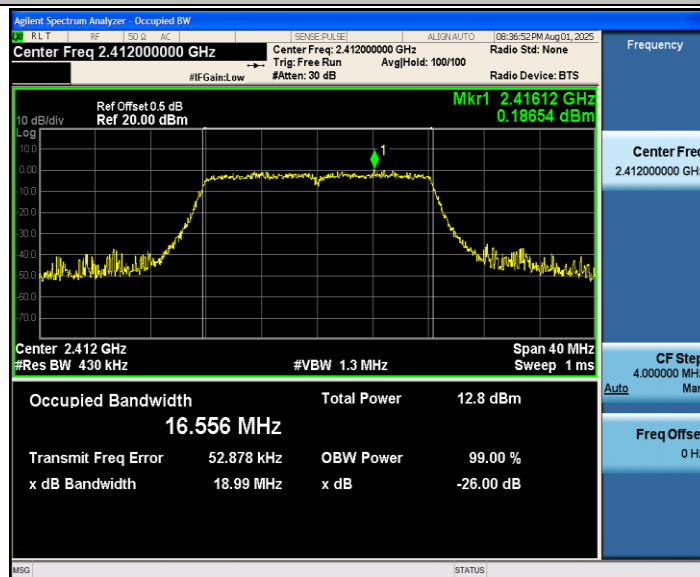
11B_Ant1_2437



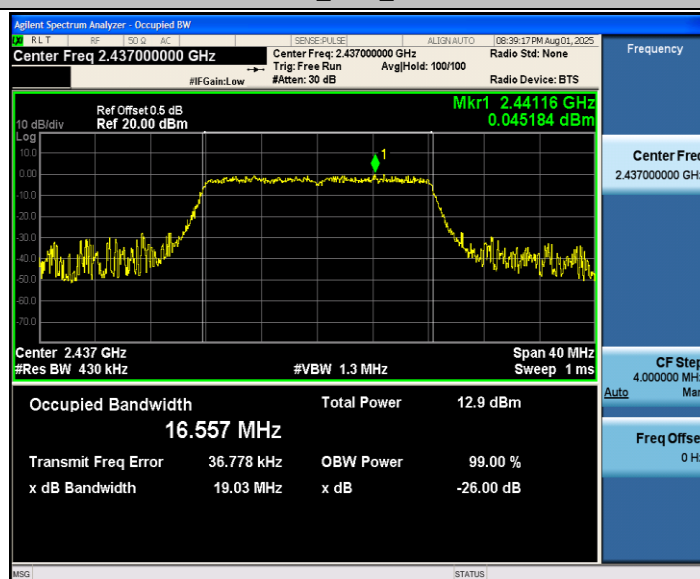
11B_Ant1_2462



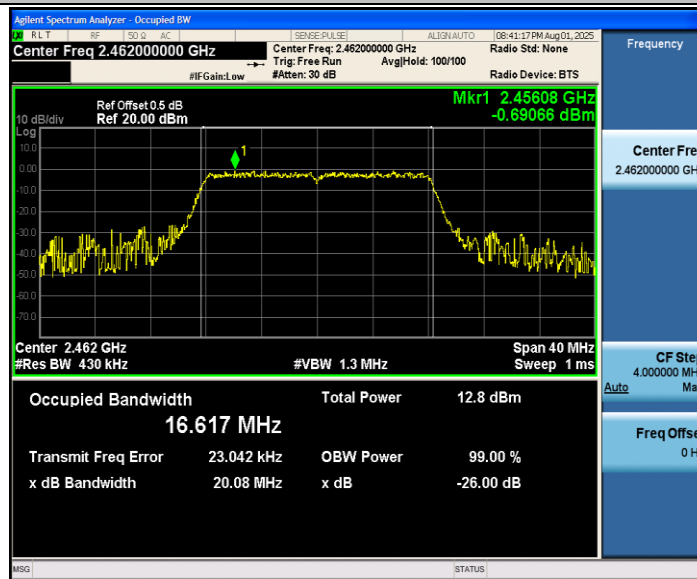
11G_Ant1_2412



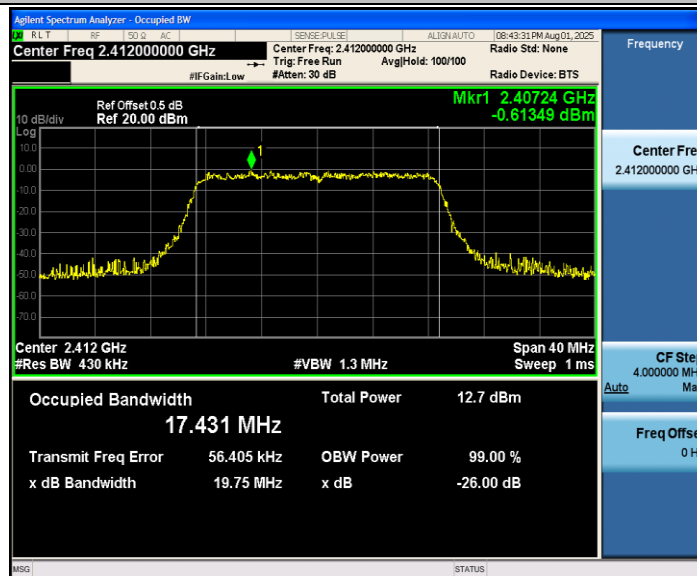
11G_Ant1_2437



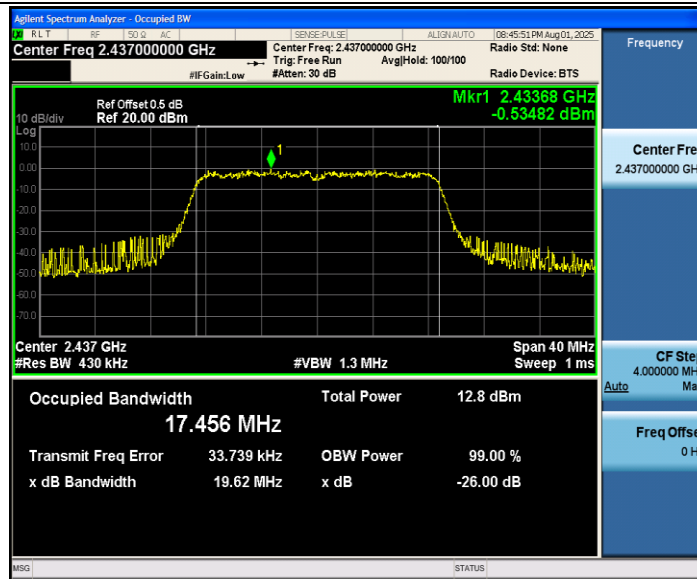
11G_Ant1_2462



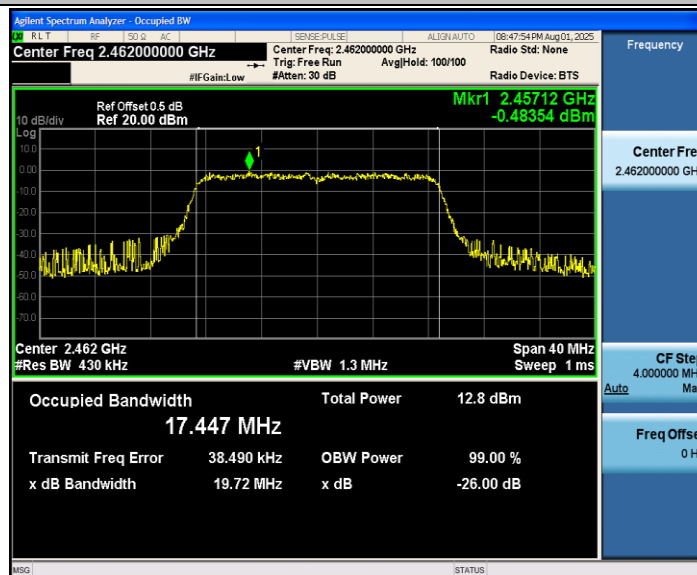
11N20SISO_Ant1_2412



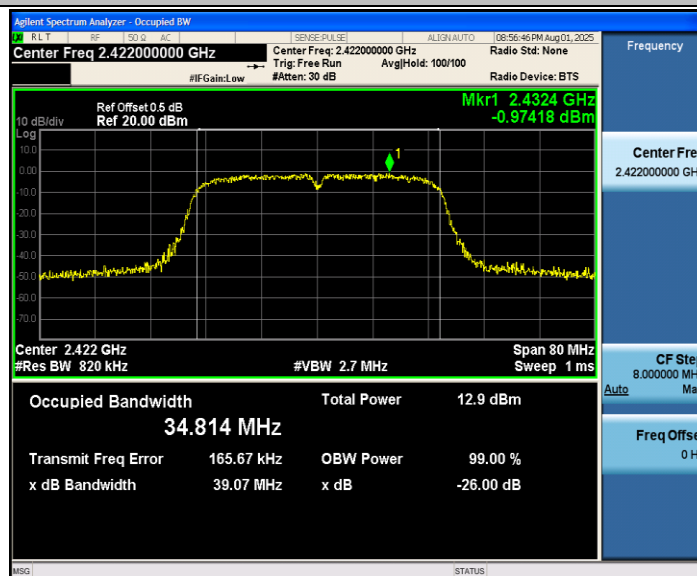
11N20SISO_Ant1_2437



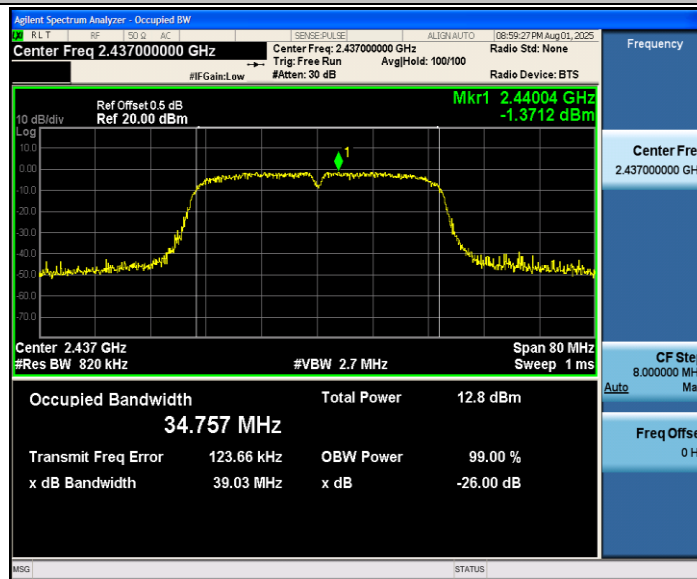
11N20SISO_Ant1_2462



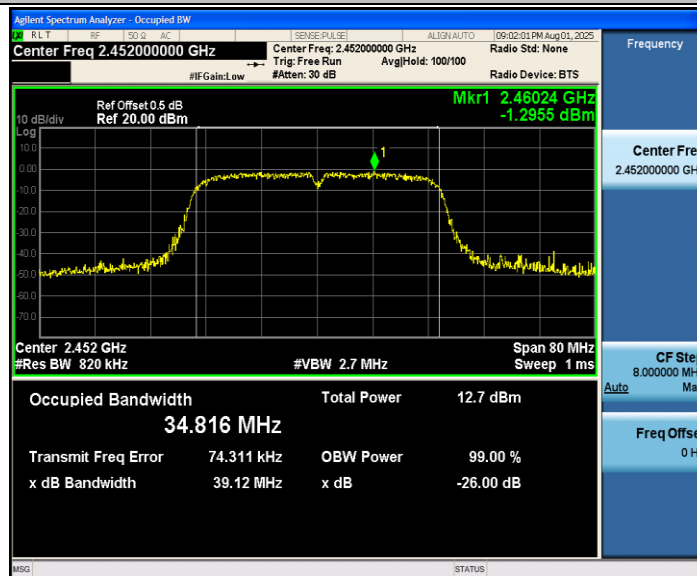
11N40SISO_Ant1_2422



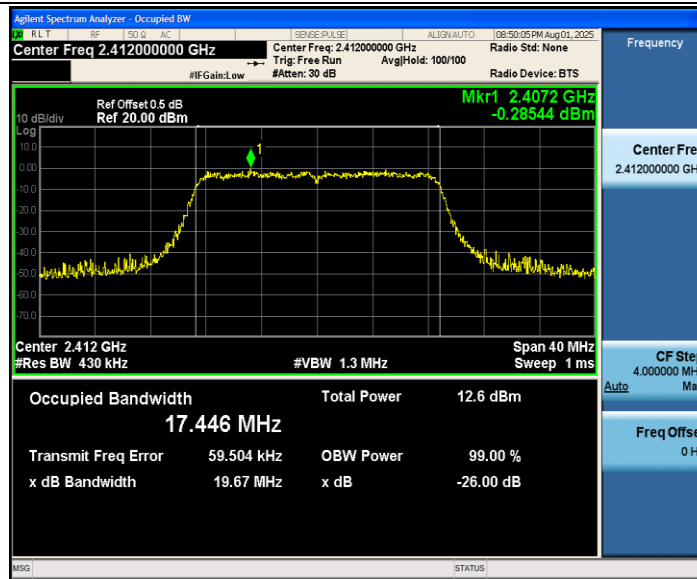
11N40SISO_Ant1_2437



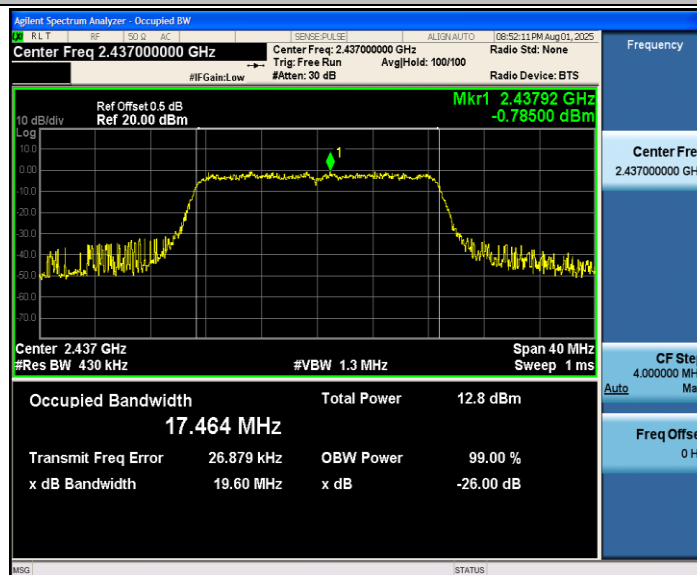
11N40SISO_Ant1_2452



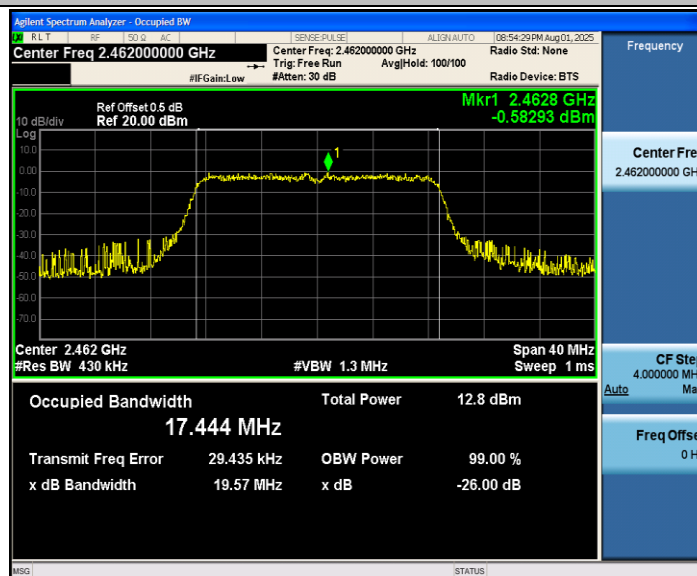
11AX20SISO_Ant1_2412



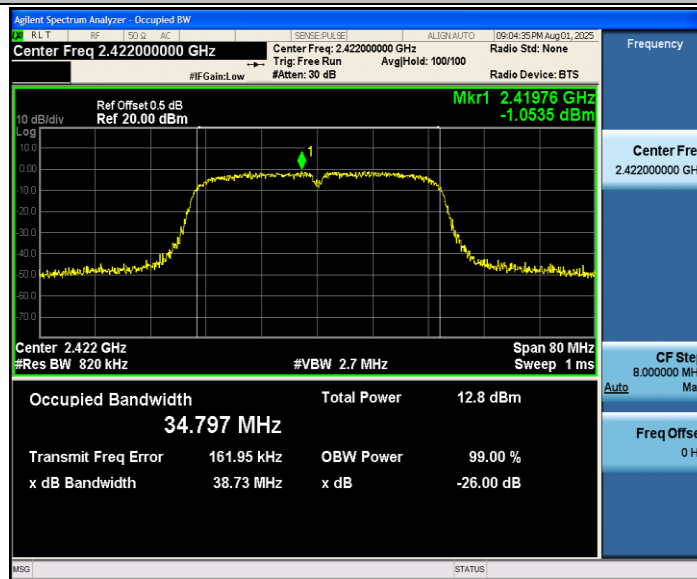
11AX20SISO_Ant1_2437



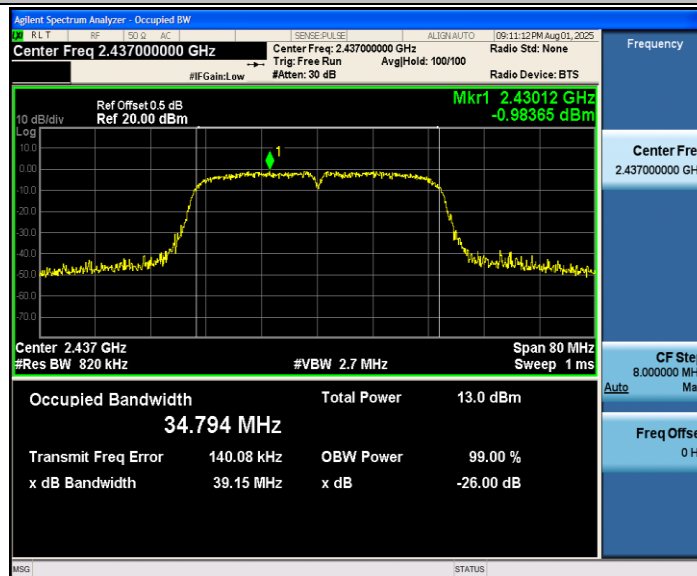
11AX20SISO_Ant1_2462



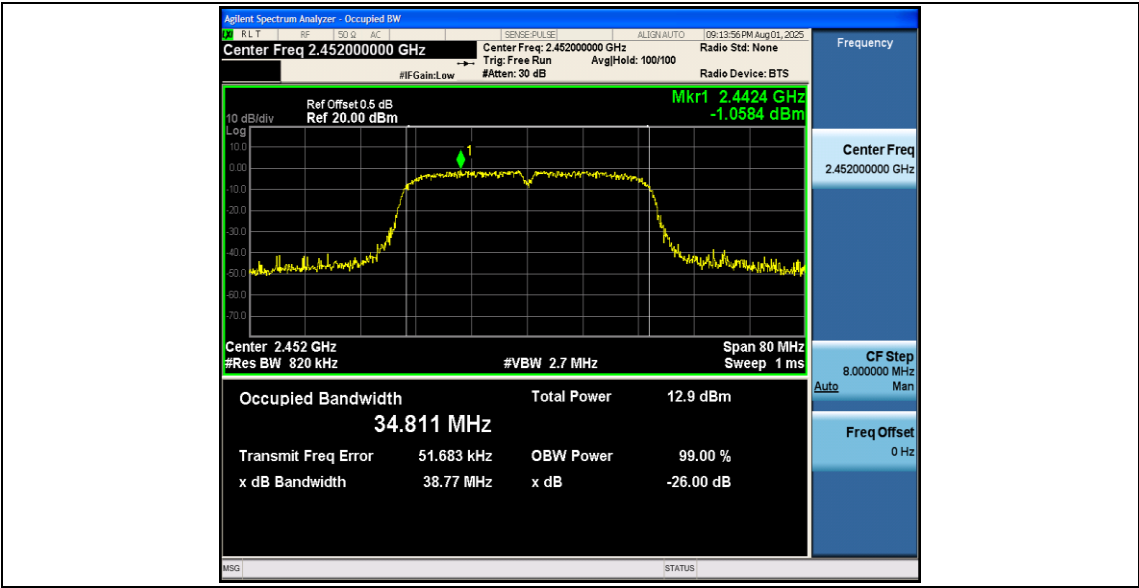
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.96	≤30.00	PASS
		2437	13.68	≤30.00	PASS
		2462	13.59	≤30.00	PASS
11G	Ant1	2412	13.56	≤30.00	PASS
		2437	13.74	≤30.00	PASS
		2462	13.67	≤30.00	PASS
11N20SISO	Ant1	2412	13.83	≤30.00	PASS
		2437	13.94	≤30.00	PASS
		2462	13.94	≤30.00	PASS
11N40SISO	Ant1	2422	13.04	≤30.00	PASS
		2437	13.04	≤30.00	PASS
		2452	13.03	≤30.00	PASS
11AX20SISO	Ant1	2412	13.83	≤30.00	PASS
		2437	14.05	≤30.00	PASS
		2462	13.94	≤30.00	PASS
11AX40SISO	Ant1	2422	13.10	≤30.00	PASS
		2437	13.29	≤30.00	PASS
		2452	13.09	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.95	≤8.00	PASS
		2437	-15.67	≤8.00	PASS
		2462	-15.14	≤8.00	PASS
11G	Ant1	2412	-20.92	≤8.00	PASS
		2437	-20.62	≤8.00	PASS
		2462	-20.79	≤8.00	PASS
11N20SISO	Ant1	2412	-20.48	≤8.00	PASS
		2437	-20.35	≤8.00	PASS
		2462	-20.53	≤8.00	PASS
11N40SISO	Ant1	2422	-22.24	≤8.00	PASS
		2437	-22.35	≤8.00	PASS
		2452	-21.78	≤8.00	PASS
11AX20SISO	Ant1	2412	-20.58	≤8.00	PASS
		2437	-20.54	≤8.00	PASS
		2462	-20.69	≤8.00	PASS
11AX40SISO	Ant1	2422	-22.23	≤8.00	PASS
		2437	-21.53	≤8.00	PASS
		2452	-22.23	≤8.00	PASS

Test Graphs

11B_Ant1_2412



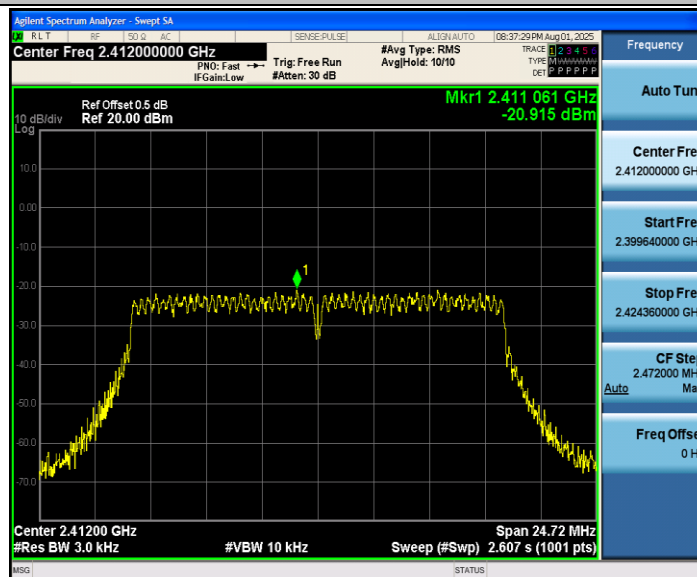
11B_Ant1_2437



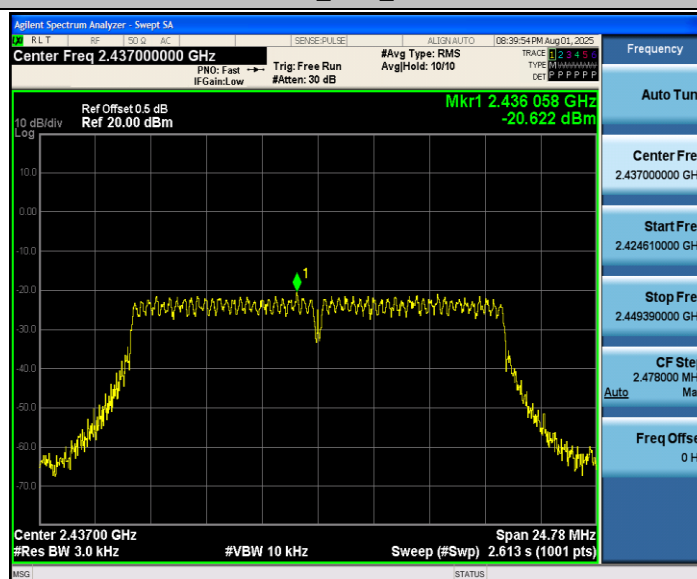
11B_Ant1_2462



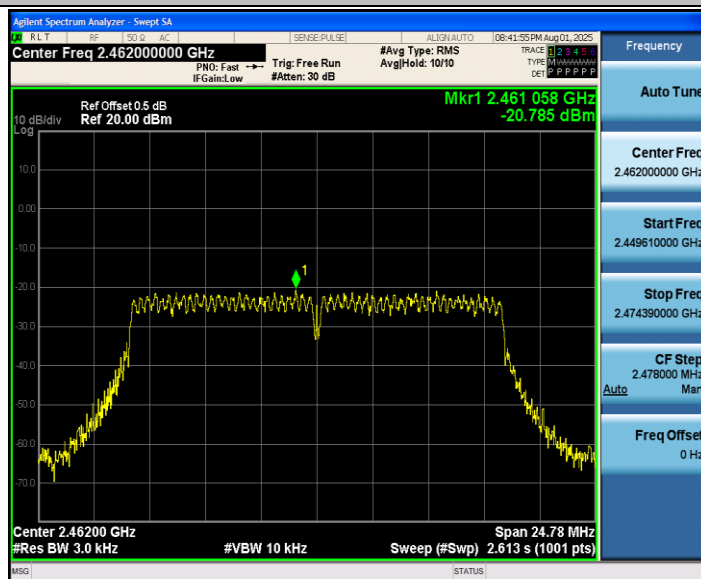
11G_Ant1_2412



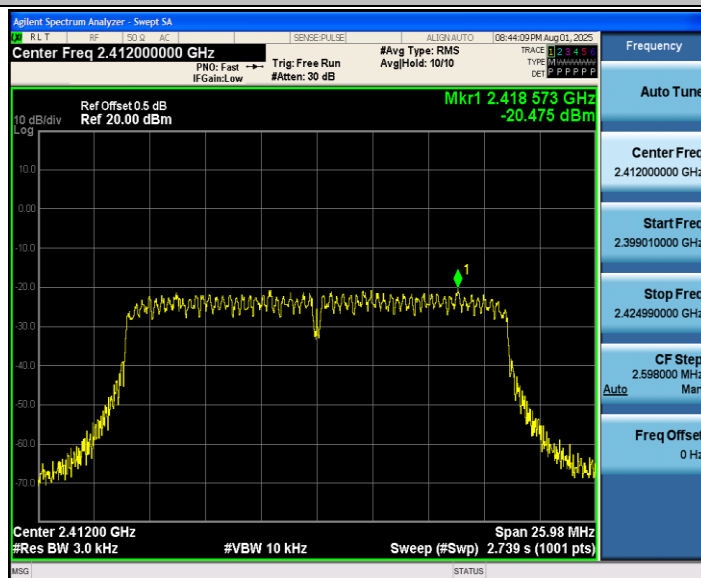
11G_Ant1_2437



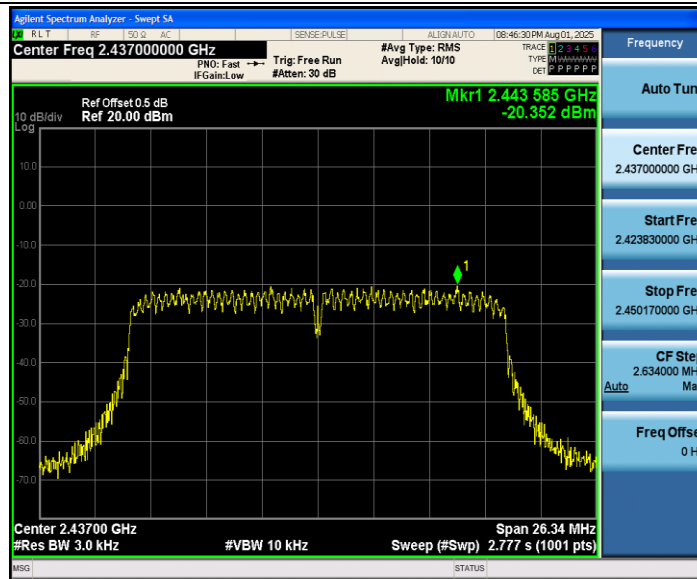
11G_Ant1_2462



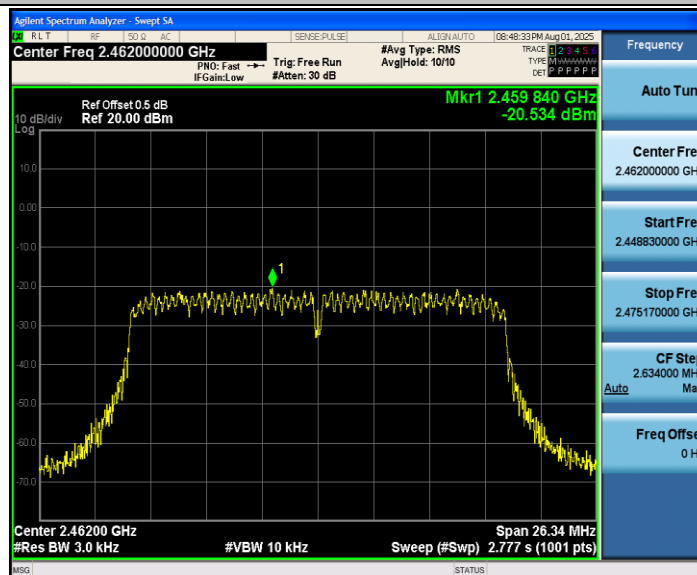
11N20SISO_Ant1_2412



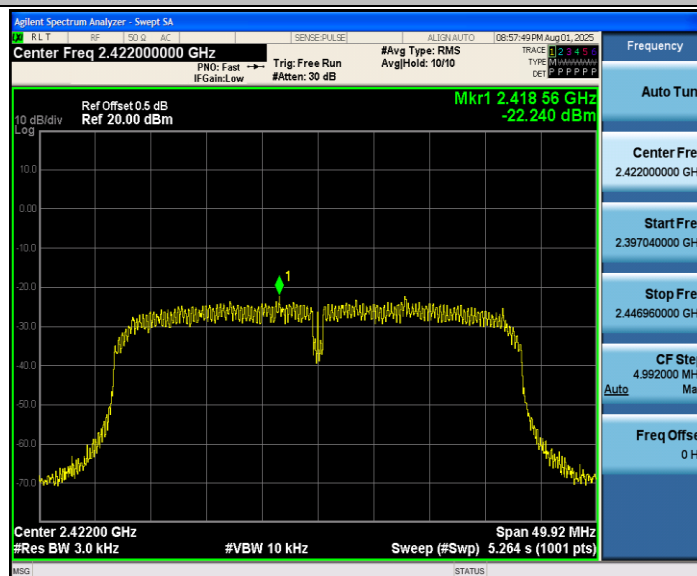
11N20SISO_Ant1_2437



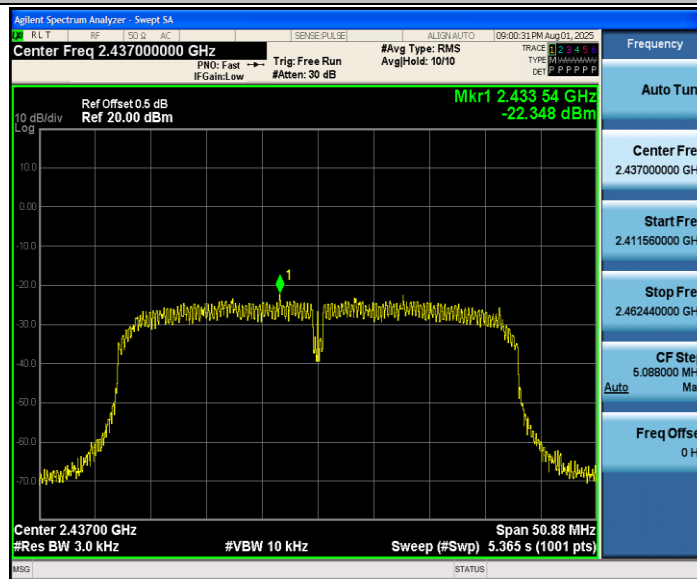
11N20SISO_Ant1_2462



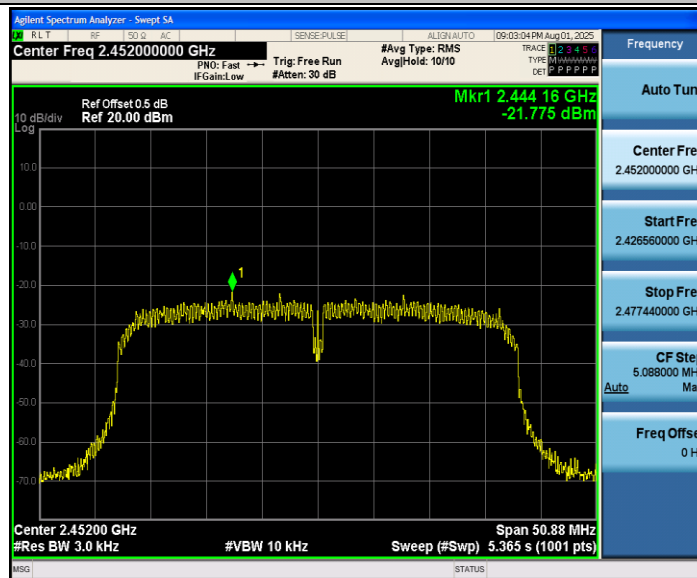
11N40SISO_Ant1_2422



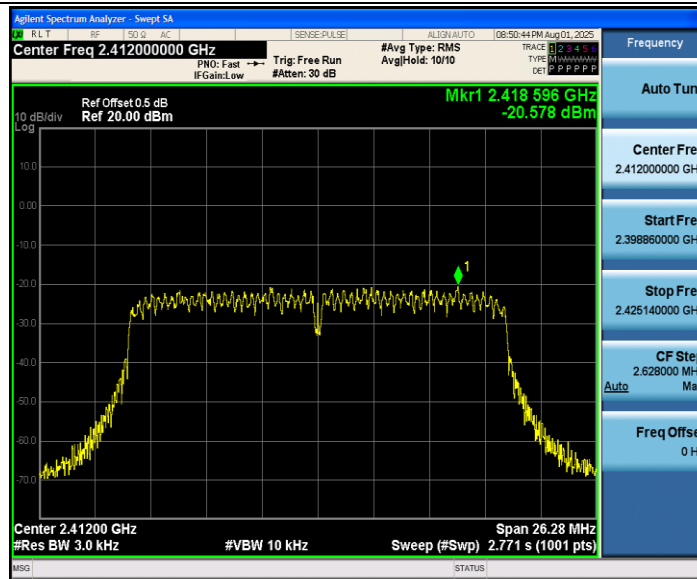
11N40SISO_Ant1_2437



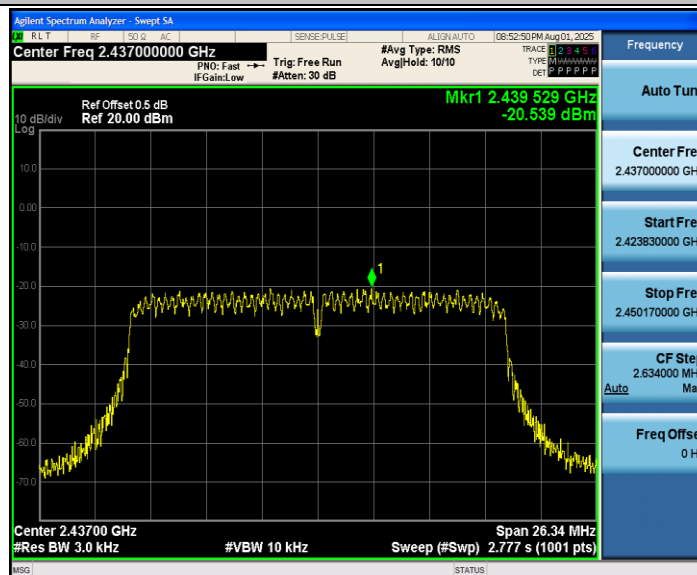
11N40SISO_Ant1_2452



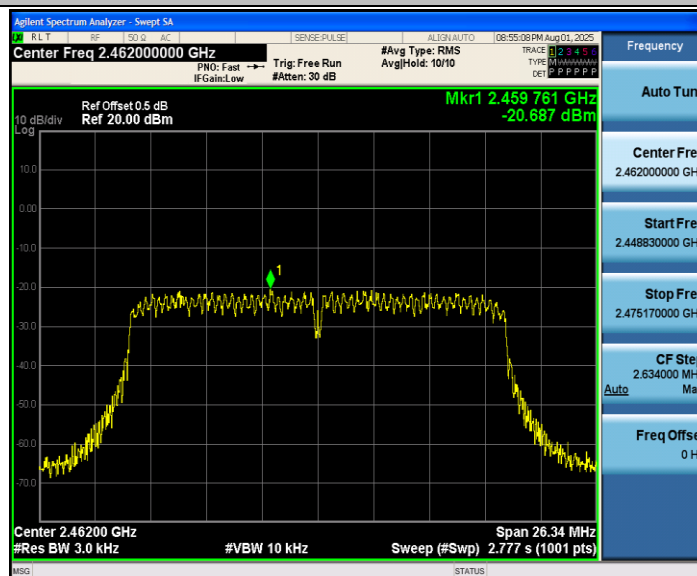
11AX20SISO_Ant1_2412



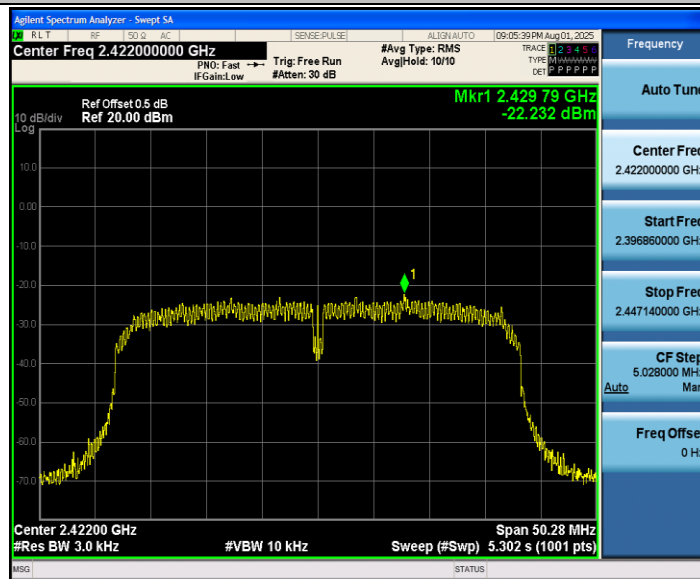
11AX20SISO_Ant1_2437



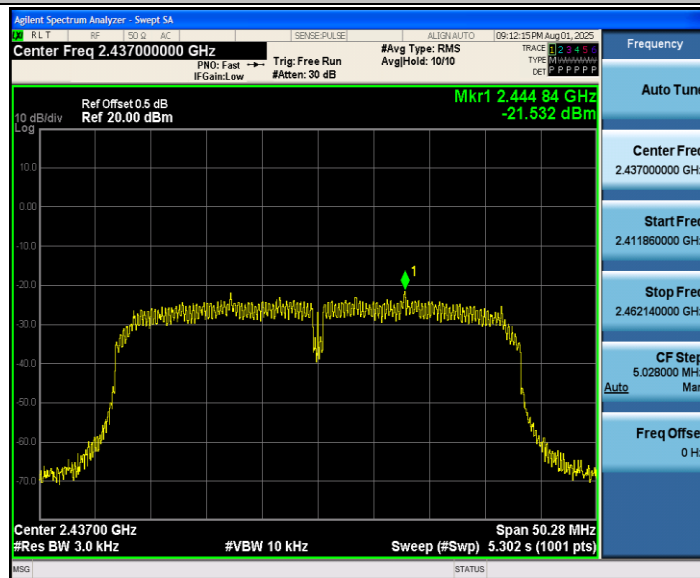
11AX20SISO_Ant1_2462



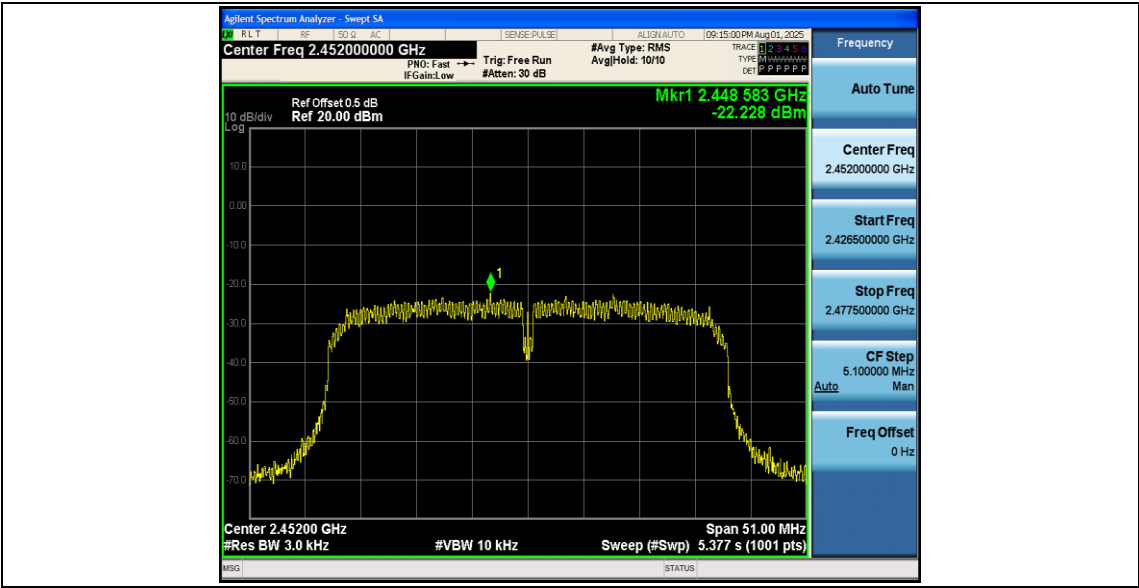
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



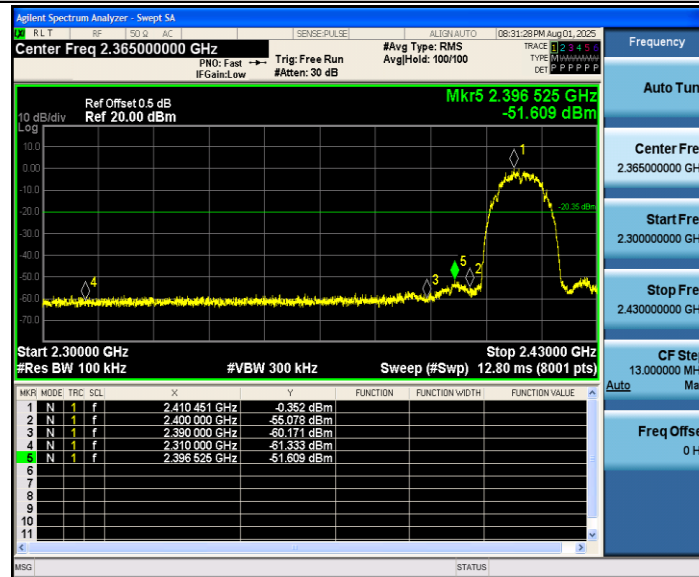
Appendix E: Band edge measurements

Test Result

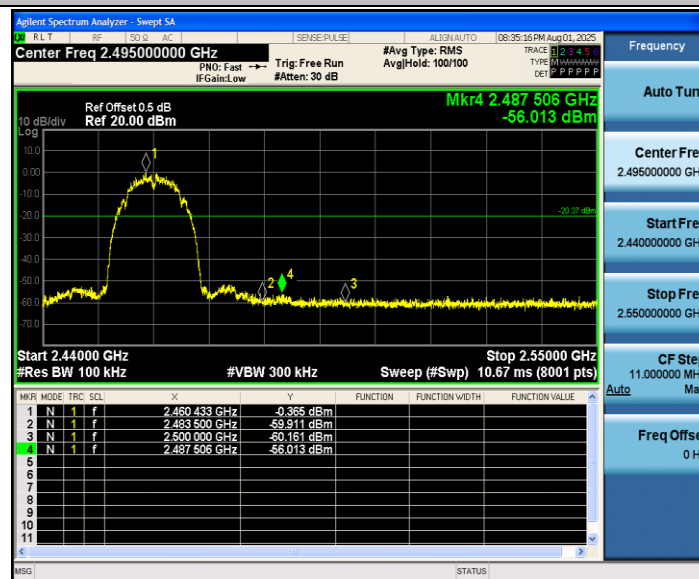
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.35	-51.61	≤-20.35	PASS
		High	2462	-0.37	-56.01	≤-20.37	PASS
11G	Ant1	Low	2412	-6.79	-46.24	≤-26.79	PASS
		High	2462	-7.00	-48.8	≤-27	PASS
11N20SISO	Ant1	Low	2412	-6.75	-47.29	≤-26.75	PASS
		High	2462	-6.29	-53.25	≤-26.29	PASS
11N40SISO	Ant1	Low	2422	-10.05	-50.41	≤-30.05	PASS
		High	2452	-9.84	-52.45	≤-29.84	PASS
11AX20SISO	Ant1	Low	2412	-6.80	-48.01	≤-26.8	PASS
		High	2462	-6.44	-52.93	≤-26.44	PASS
11AX40SISO	Ant1	Low	2422	-10.28	-50.62	≤-30.28	PASS
		High	2452	-10.32	-51.67	≤-30.32	PASS

Test Graphs

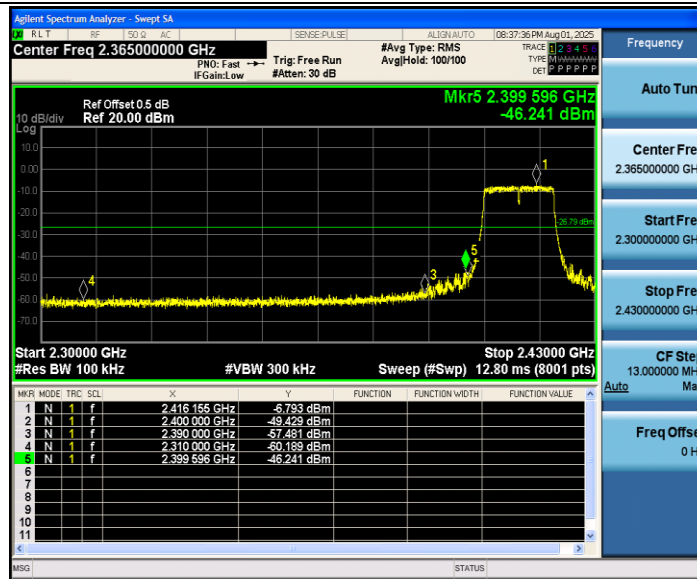
11B_Ant1_Low_2412



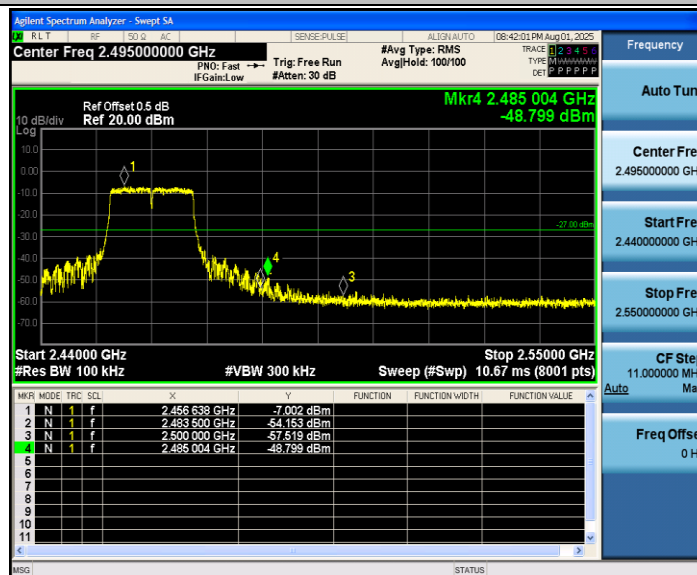
11B_Ant1_High_2462



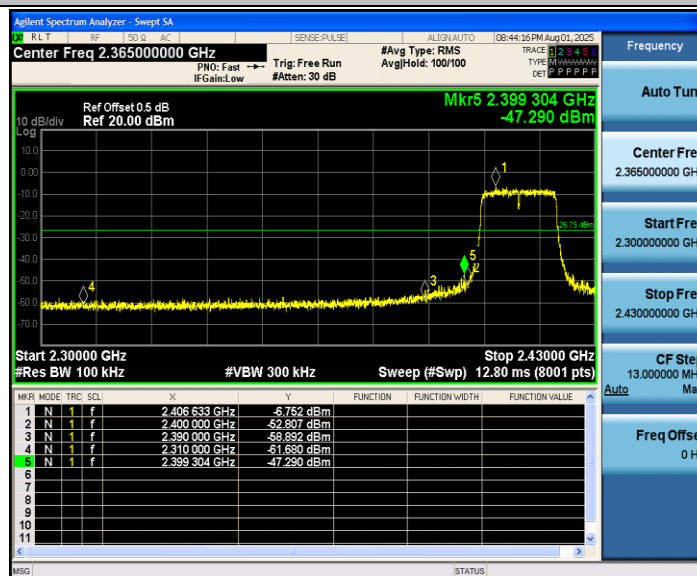
11G_Ant1_Low_2412



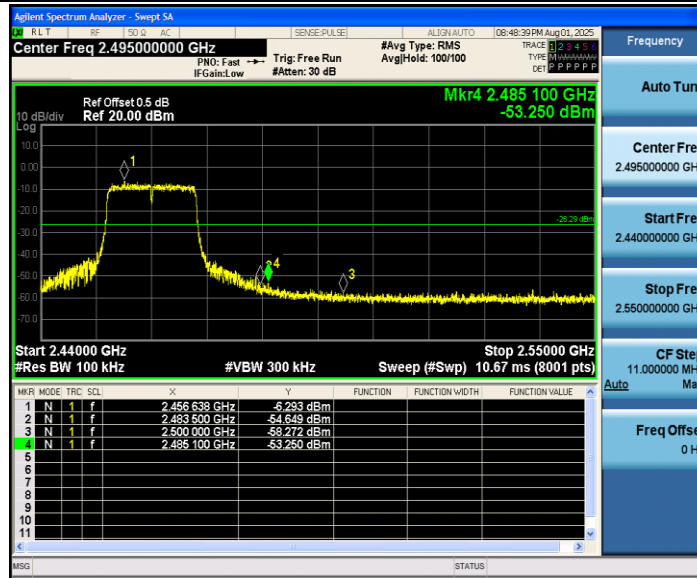
11G_Ant1_High_2462



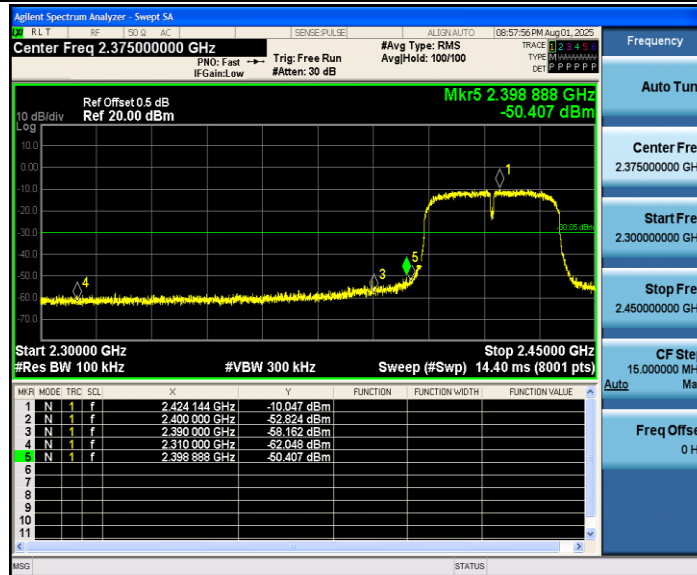
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452