

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BSRW-D2

Company : StreamVision Technology Limited

EUT : Smart Media Player

Model Number : DingBox D2

Report No. : CTA25101600303

Reviewed By : Eric Wang

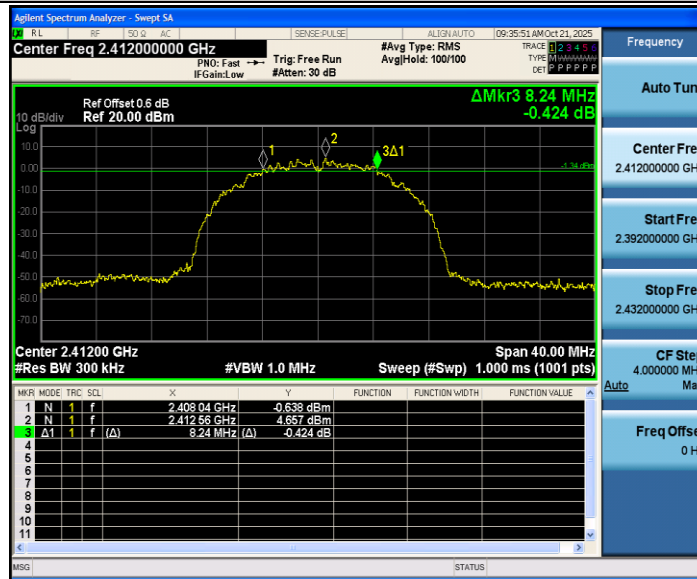
Appendix A: DTS Bandwidth

Test Result

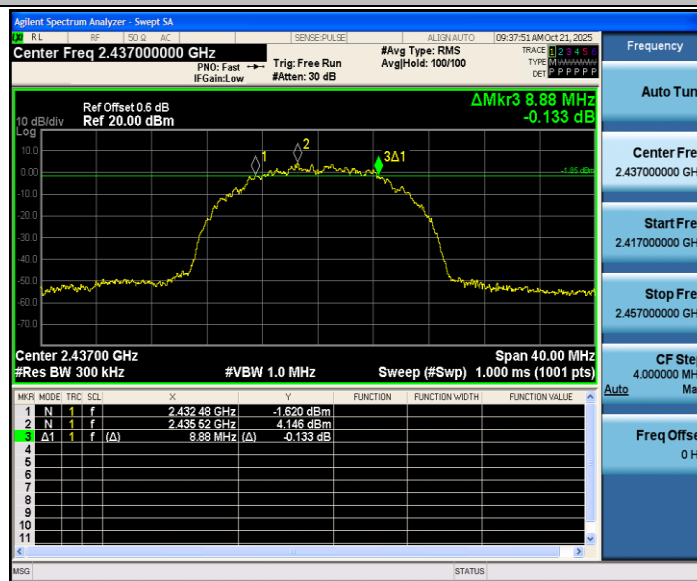
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.240	2408.040	2416.280	0.5	PASS
		2437	8.880	2432.480	2441.360	0.5	PASS
		2462	8.720	2457.600	2466.320	0.5	PASS
11G	Ant1	2412	16.240	2403.920	2420.160	0.5	PASS
		2437	16.360	2428.880	2445.240	0.5	PASS
		2462	16.360	2453.880	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.360	2403.360	2420.720	0.5	PASS
		2437	17.280	2428.400	2445.680	0.5	PASS
		2462	17.320	2453.360	2470.680	0.5	PASS
11N40SISO	Ant1	2422	33.920	2405.280	2439.200	0.5	PASS
		2437	33.680	2420.360	2454.040	0.5	PASS
		2452	34.000	2435.120	2469.120	0.5	PASS
11AX20SISO	Ant1	2412	17.320	2403.400	2420.720	0.5	PASS
		2437	17.240	2428.440	2445.680	0.5	PASS
		2462	17.280	2453.360	2470.640	0.5	PASS
11AX40SISO	Ant1	2422	34.000	2405.200	2439.200	0.5	PASS
		2437	33.840	2420.200	2454.040	0.5	PASS
		2452	34.080	2435.040	2469.120	0.5	PASS

Test Graphs

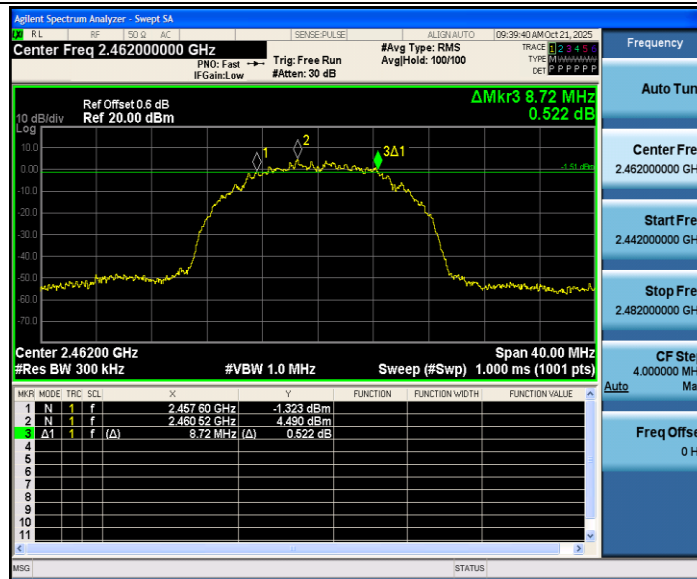
11B_Ant1_2412



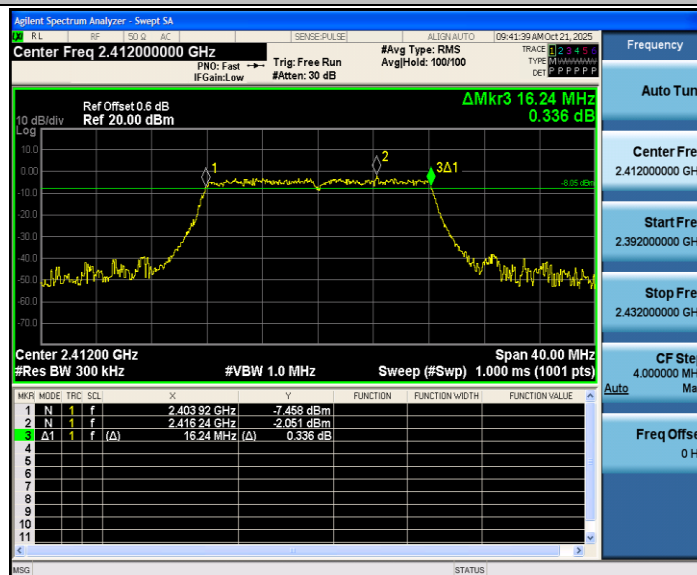
11B_Ant1_2437



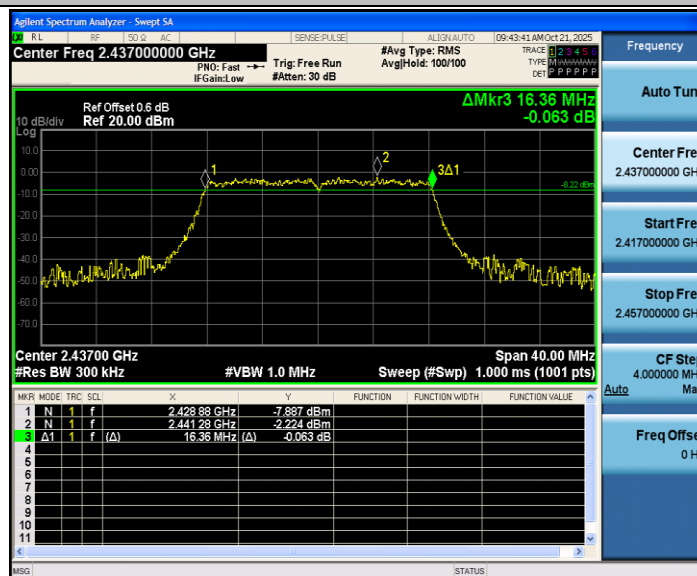
11B_Ant1_2462



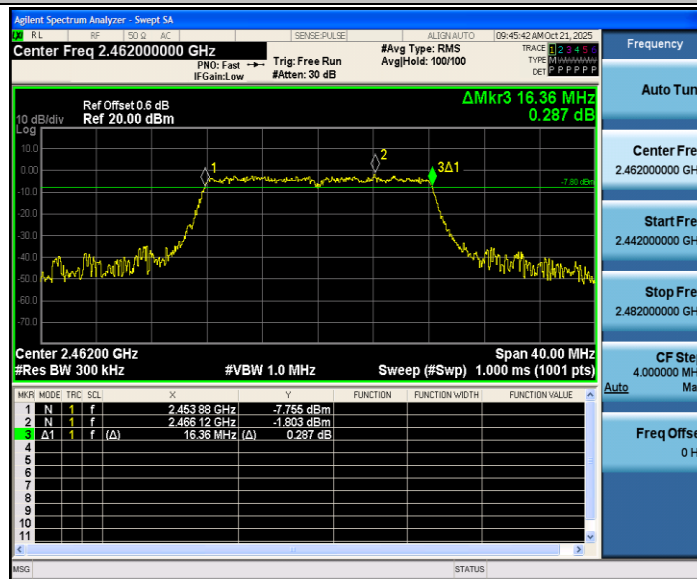
11G_Ant1_2412



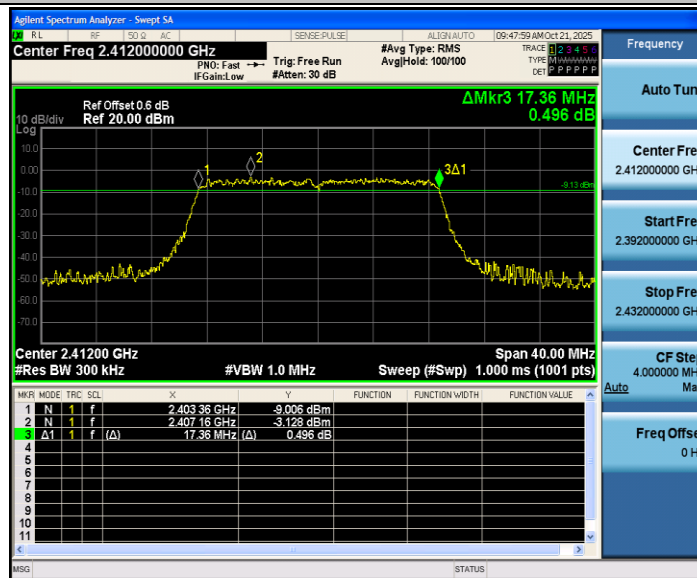
11G_Ant1_2437



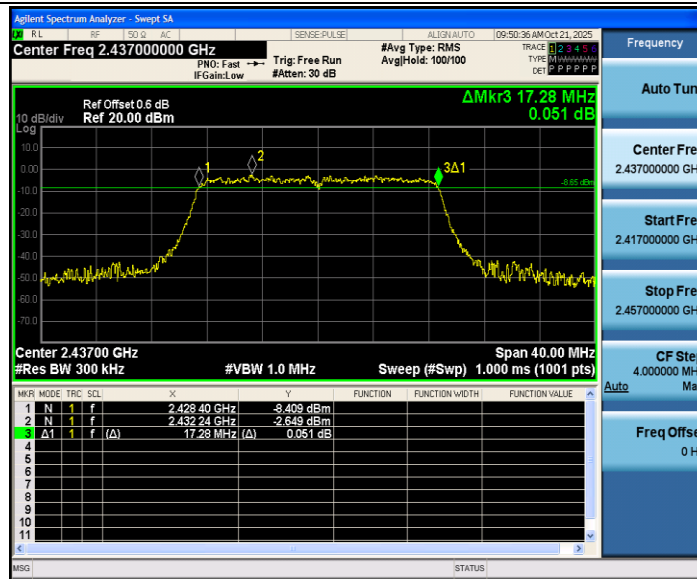
11G_Ant1_2462



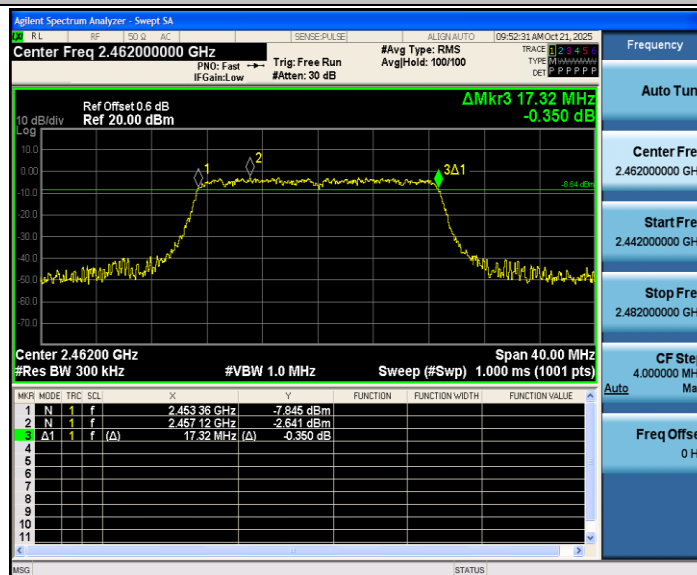
11N20SISO_Ant1_2412



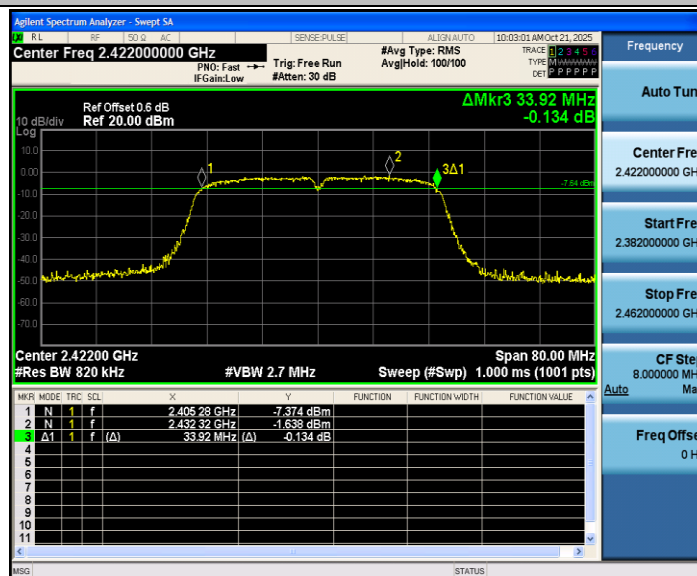
11N20SISO_Ant1_2437



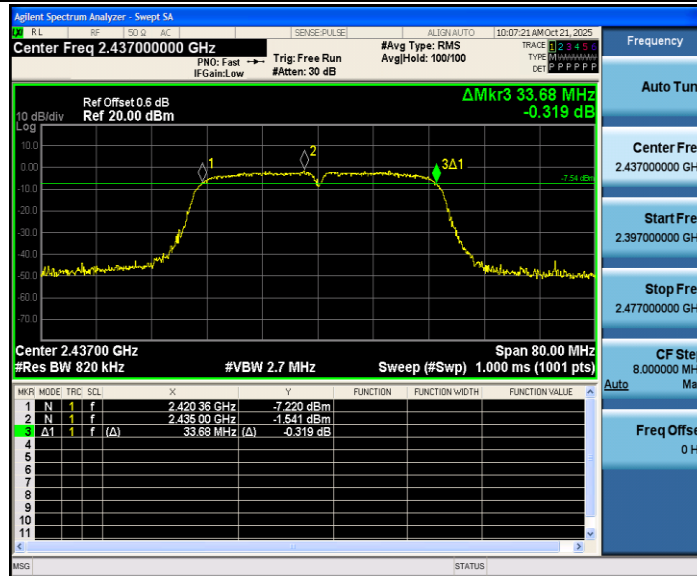
11N20SISO_Ant1_2462



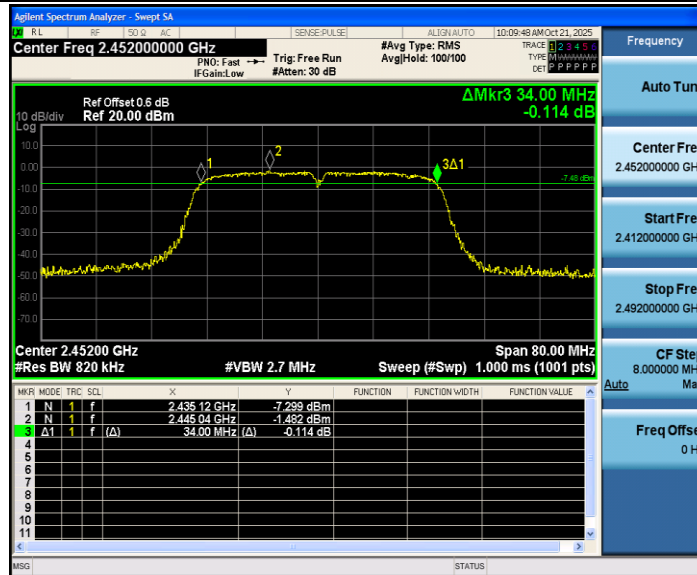
11N40SISO_Ant1_2422



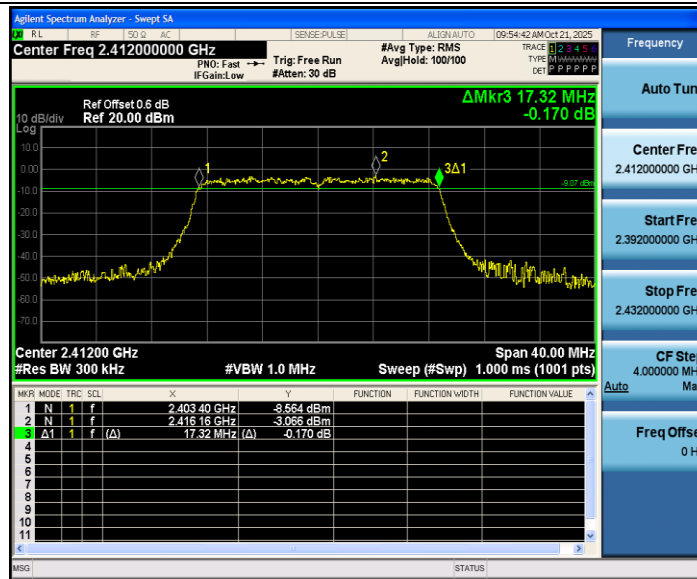
11N40SISO_Ant1_2437



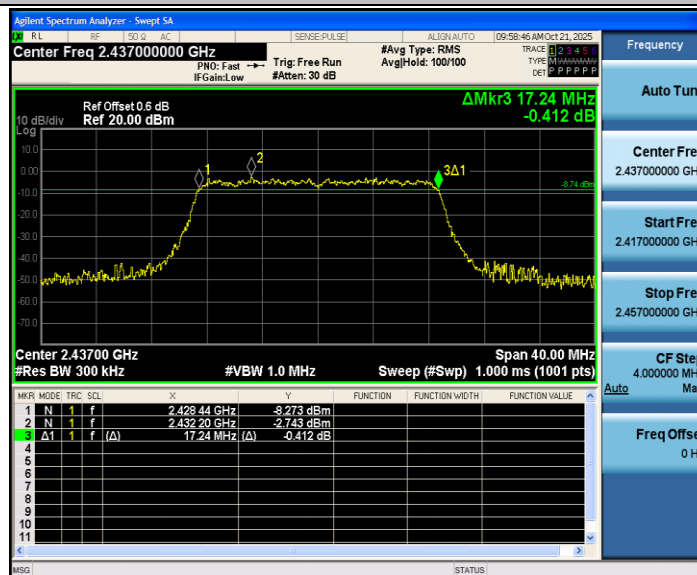
11N40SISO_Ant1_2452



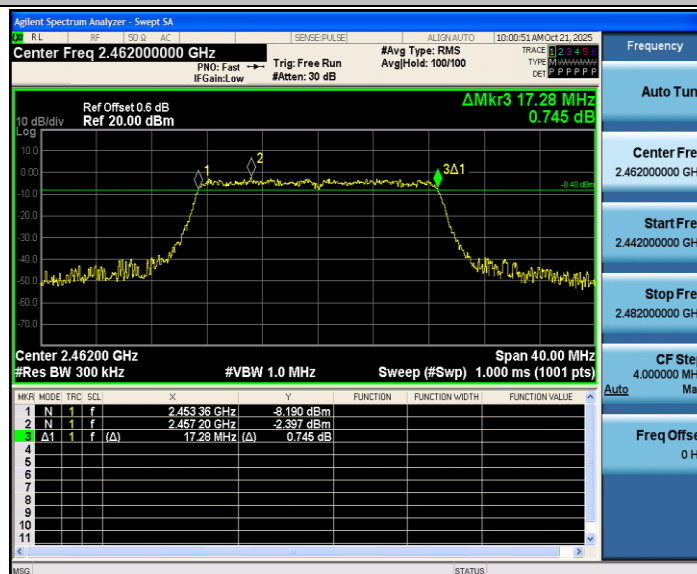
11AX20SISO_Ant1_2412



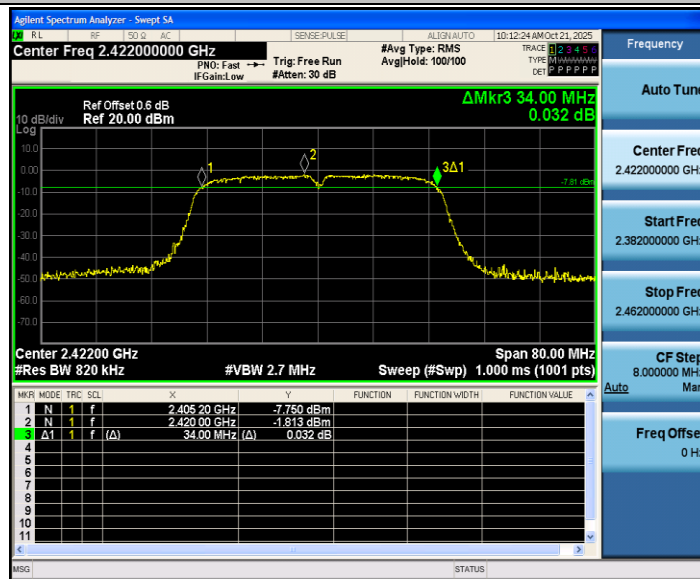
11AX20SISO_Ant1_2437



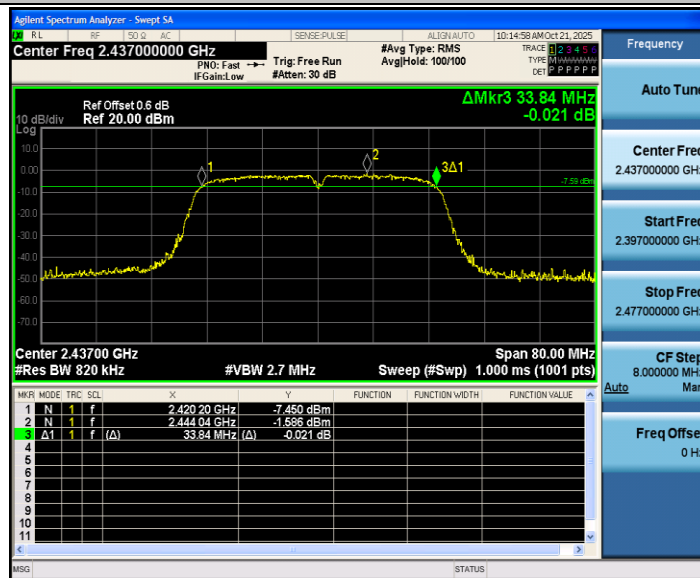
11AX20SISO_Ant1_2462



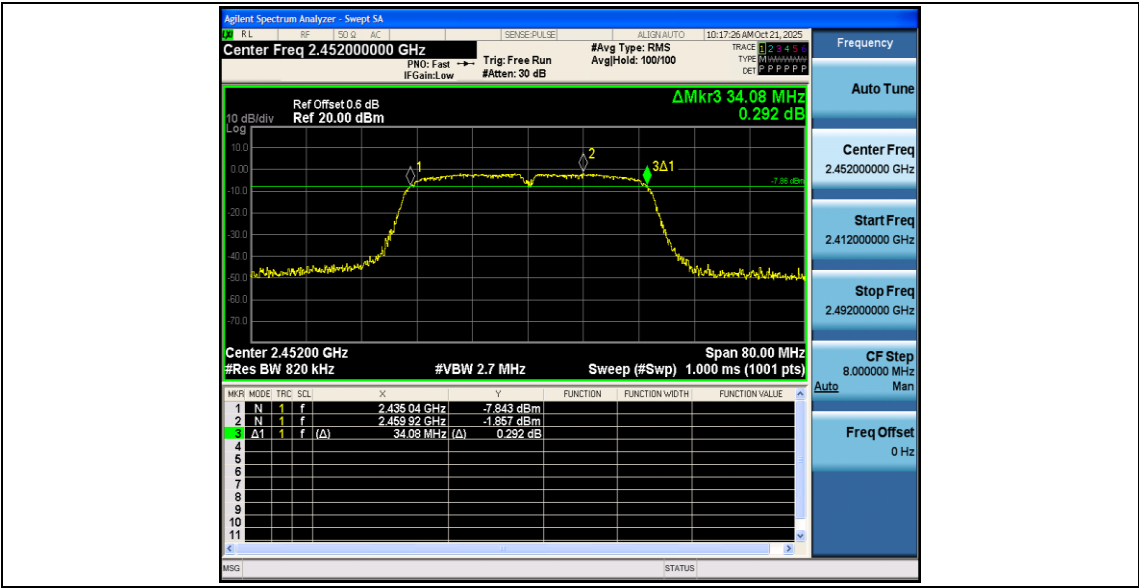
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



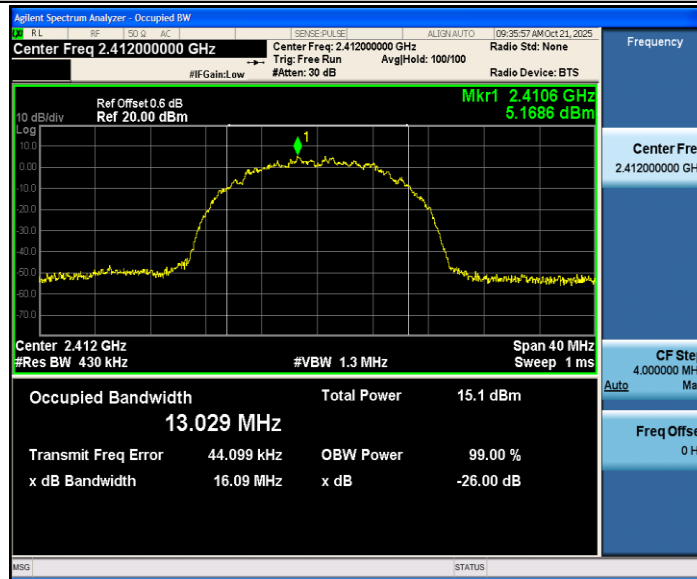
Appendix B: Occupied Channel Bandwidth

Test Result

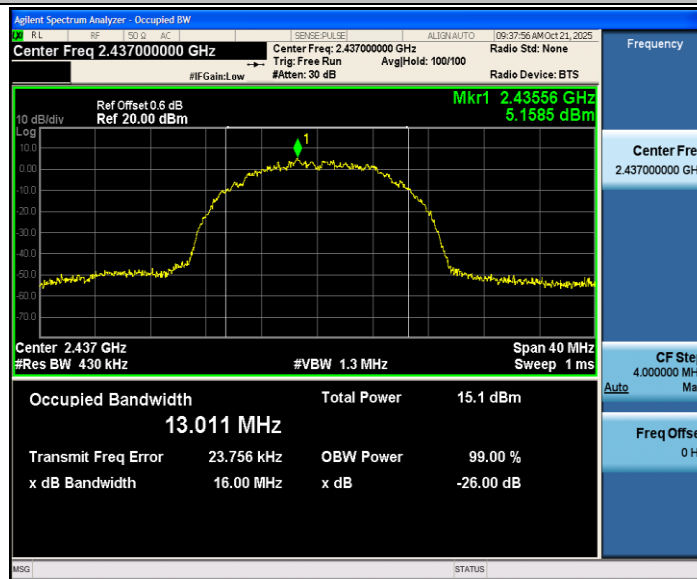
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.029	2405.5296	2418.5586	---	---
		2437	13.011	2430.5183	2443.5293	---	---
		2462	13.038	2455.4874	2468.5254	---	---
11G	Ant1	2412	16.604	2403.7519	2420.3559	---	---
		2437	16.594	2428.7424	2445.3364	---	---
		2462	16.611	2453.7090	2470.3200	---	---
11N20SISO	Ant1	2412	17.455	2403.3117	2420.7667	---	---
		2437	17.441	2428.3060	2445.7470	---	---
		2462	17.449	2453.3039	2470.7529	---	---
11N40SISO	Ant1	2422	34.817	2404.7081	2439.5251	---	---
		2437	34.790	2419.7115	2454.5015	---	---
		2452	34.827	2434.6559	2469.4829	---	---
11AX20SISO	Ant1	2412	17.463	2403.3099	2420.7729	---	---
		2437	17.460	2428.3044	2445.7644	---	---
		2462	17.465	2453.3025	2470.7675	---	---
11AX40SISO	Ant1	2422	34.796	2404.7238	2439.5198	---	---
		2437	34.800	2419.7518	2454.5518	---	---
		2452	34.831	2434.6572	2469.4882	---	---

Test Graphs

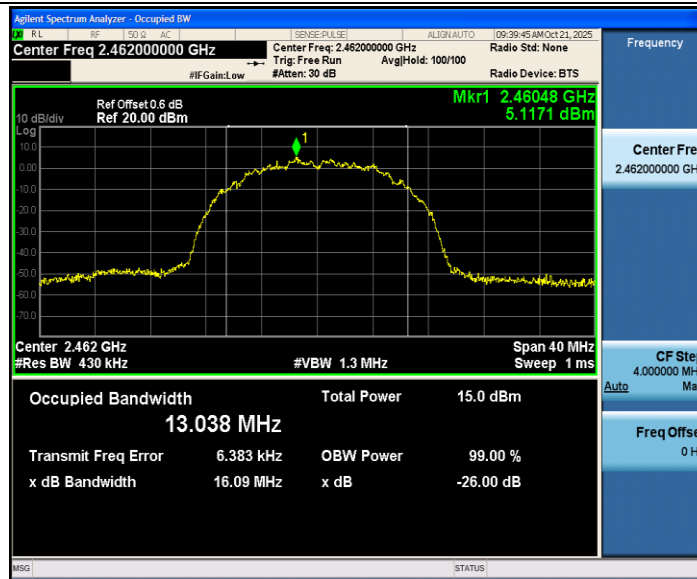
11B_Ant1_2412



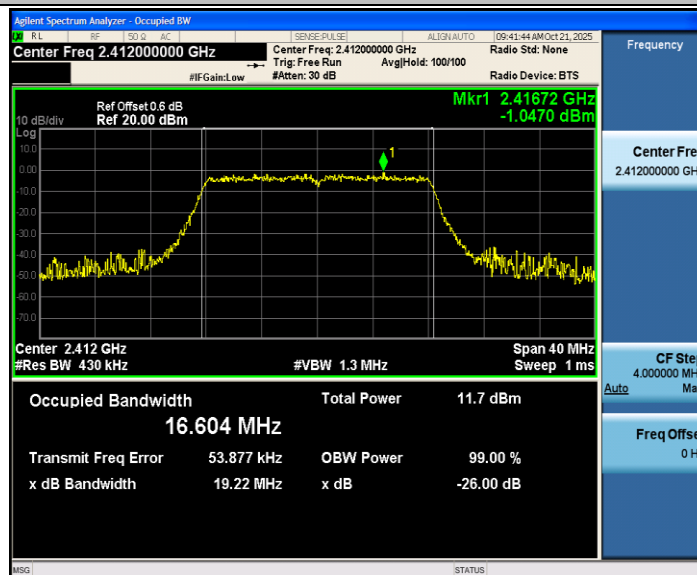
11B_Ant1_2437



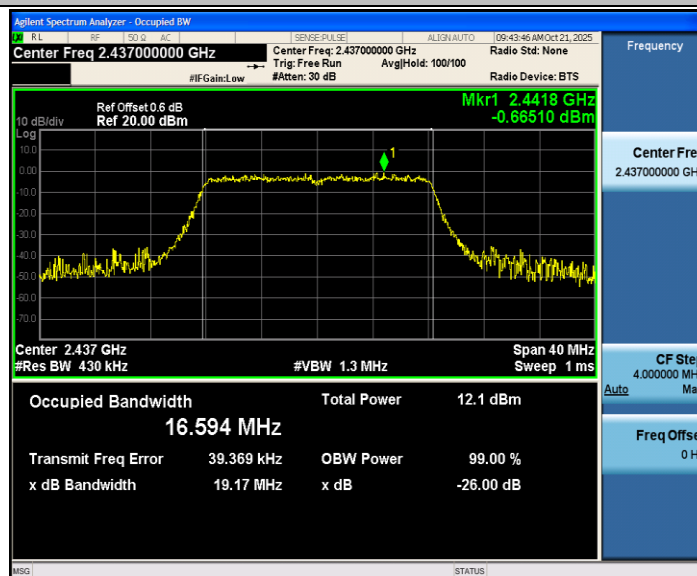
11B_Ant1_2462



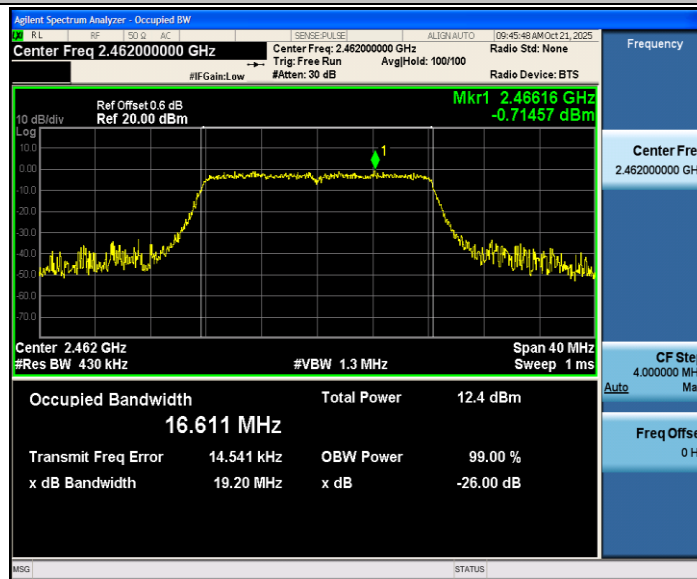
11G_Ant1_2412



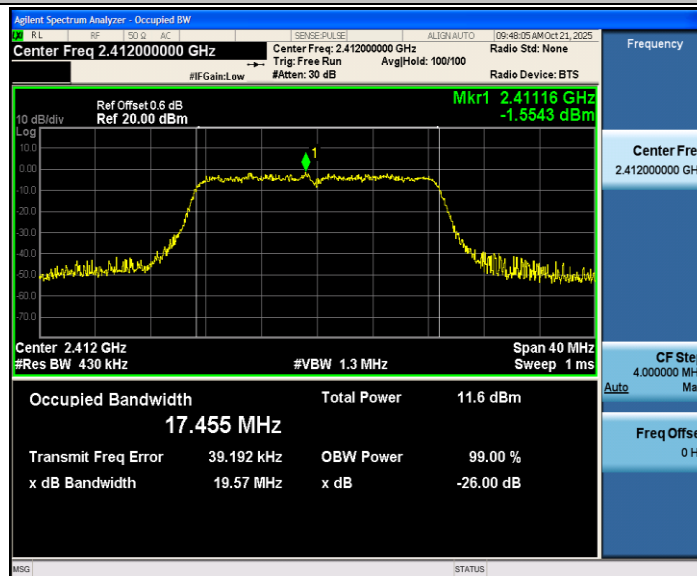
11G_Ant1_2437



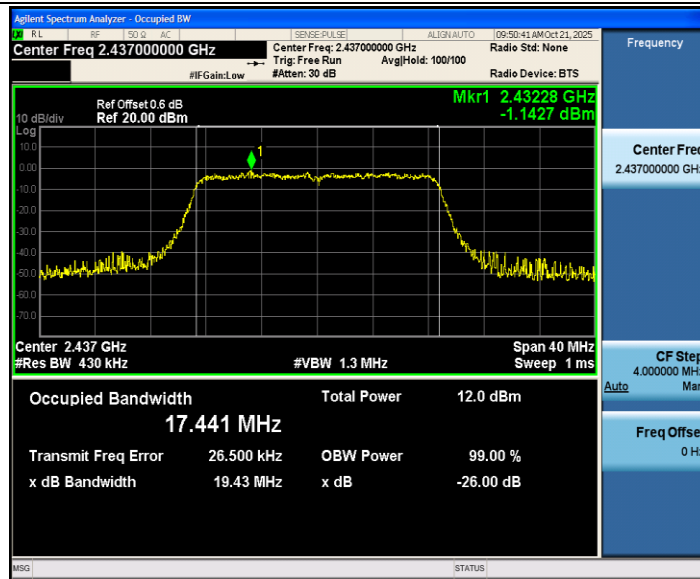
11G_Ant1_2462



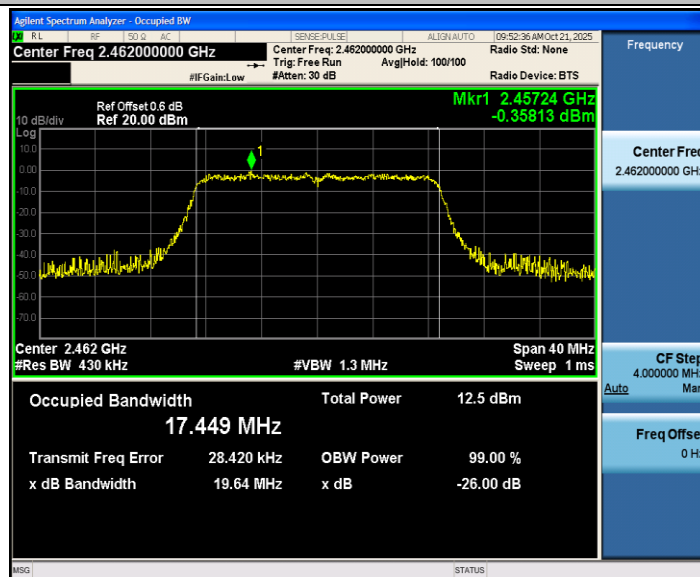
11N20SISO_Ant1_2412



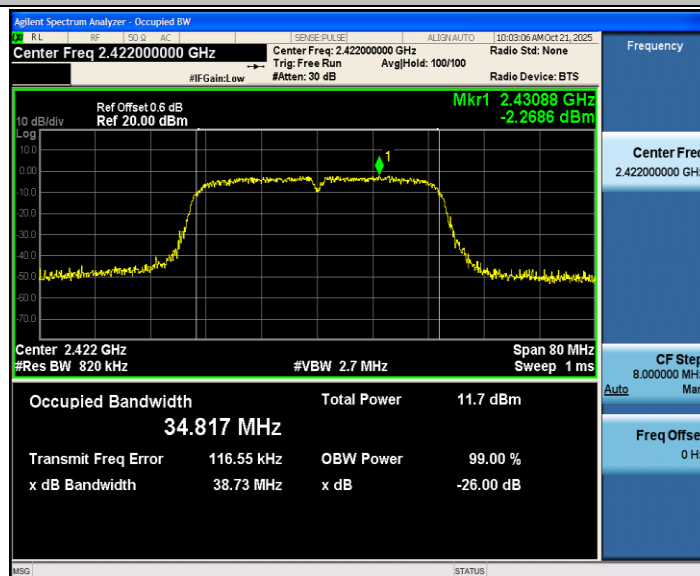
11N20SISO_Ant1_2437



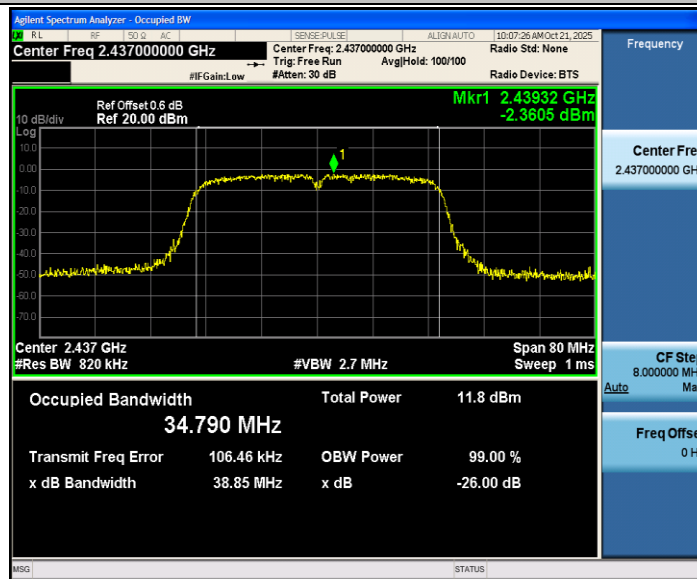
11N20SISO_Ant1_2462



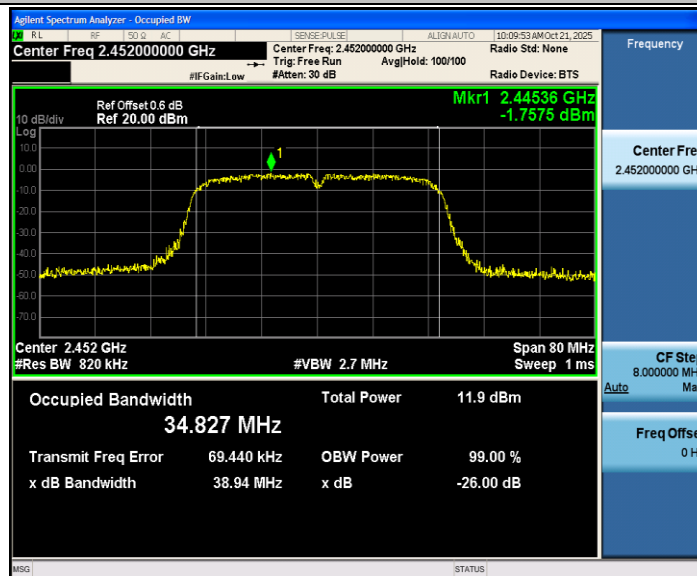
11N40SISO_Ant1_2422



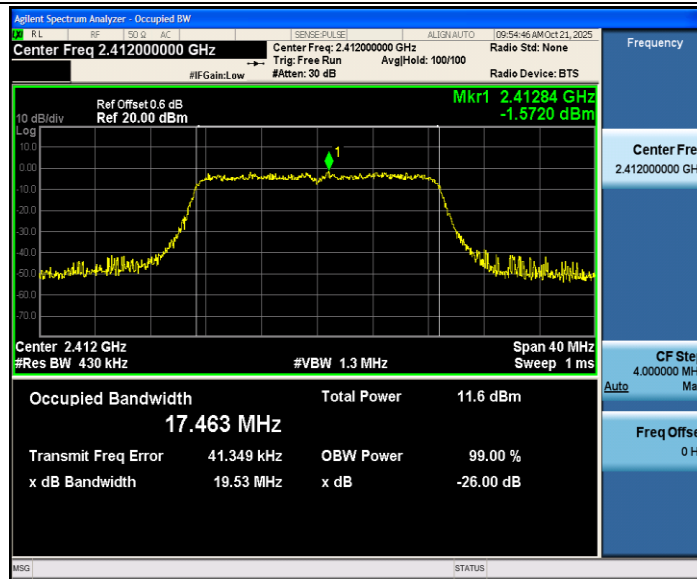
11N40SISO_Ant1_2437



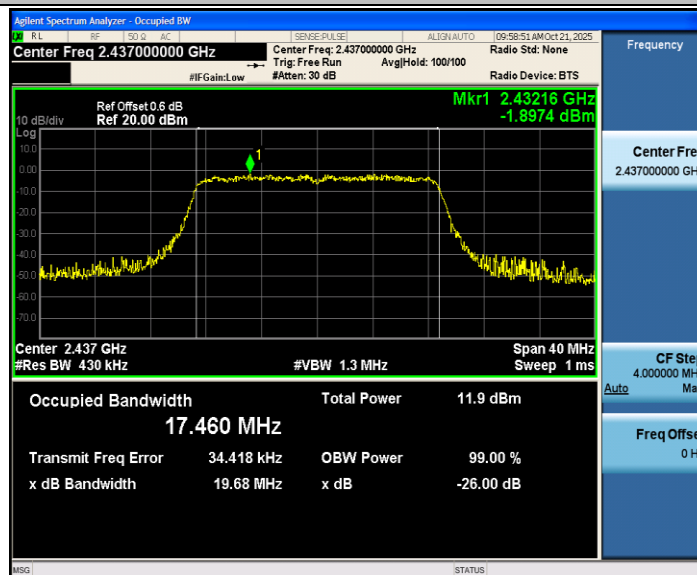
11N40SISO_Ant1_2452



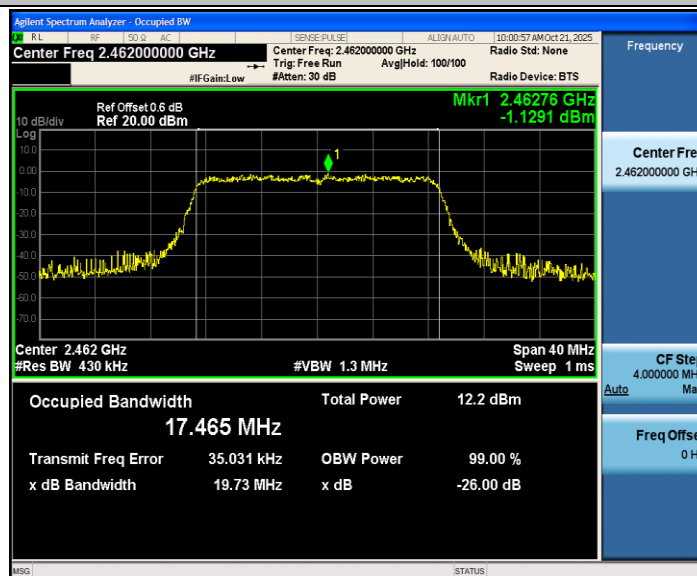
11AX20SISO_Ant1_2412



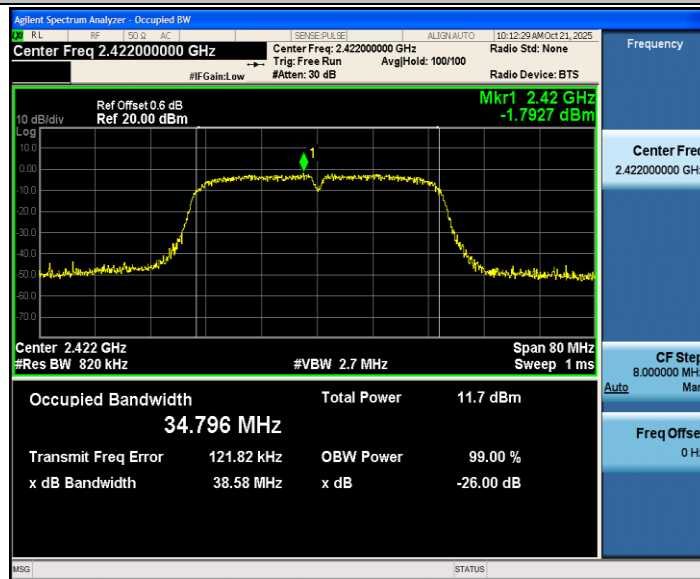
11AX20SISO_Ant1_2437



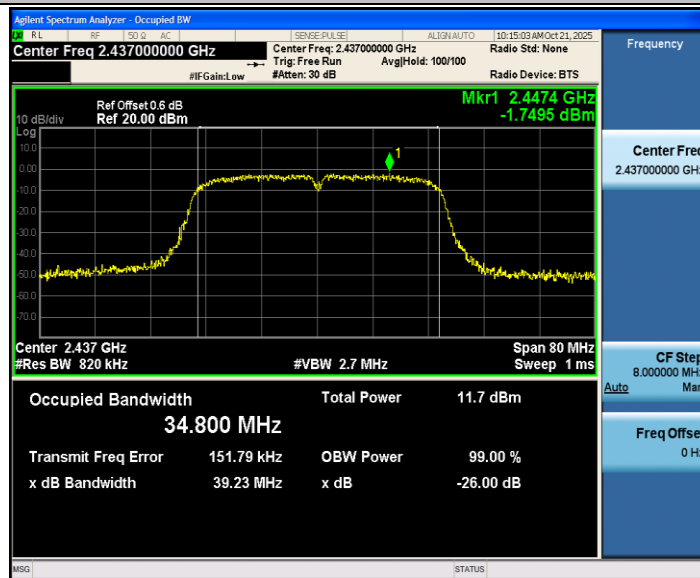
11AX20SISO_Ant1_2462



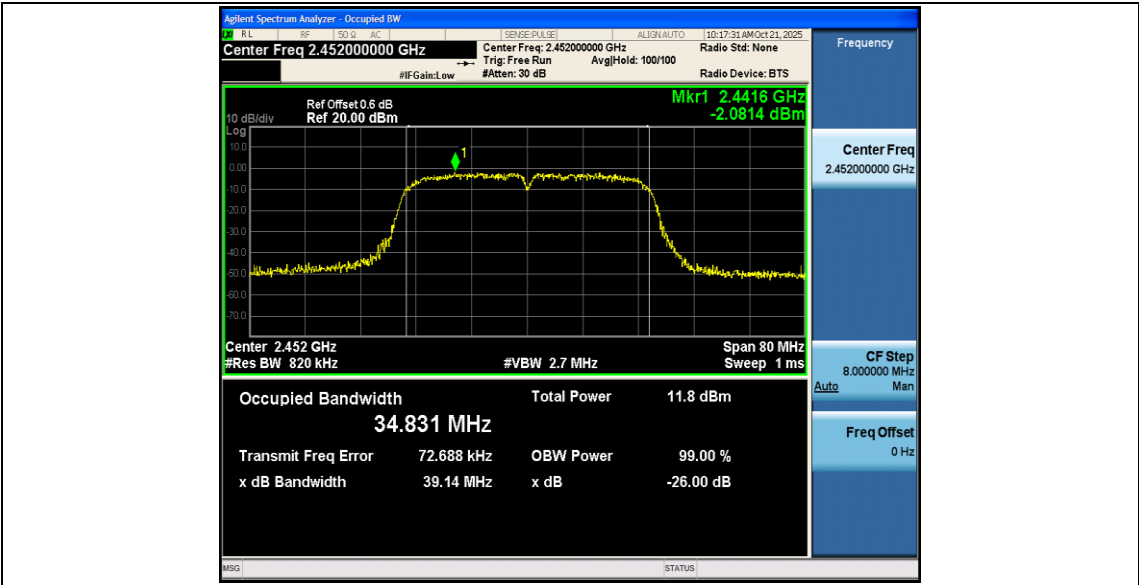
11AX40SISO_Ant1_2422



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	14.42	≤30.00	PASS
		2437	14.52	≤30.00	PASS
		2462	14.26	≤30.00	PASS
11G	Ant1	2412	12.51	≤30.00	PASS
		2437	12.90	≤30.00	PASS
		2462	13.28	≤30.00	PASS
11N20SISO	Ant1	2412	12.90	≤30.00	PASS
		2437	13.22	≤30.00	PASS
		2462	13.43	≤30.00	PASS
11N40SISO	Ant1	2422	12.06	≤30.00	PASS
		2437	12.08	≤30.00	PASS
		2452	12.21	≤30.00	PASS
11AX20SISO	Ant1	2412	12.84	≤30.00	PASS
		2437	13.09	≤30.00	PASS
		2462	13.40	≤30.00	PASS
11AX40SISO	Ant1	2422	12.00	≤30.00	PASS
		2437	11.99	≤30.00	PASS
		2452	12.05	≤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	-14.20	≤8.00	PASS
		2437	-14.09	≤8.00	PASS
		2462	-14.32	≤8.00	PASS
11G	Ant1	2412	-21.81	≤8.00	PASS
		2437	-21.43	≤8.00	PASS
		2462	-21.12	≤8.00	PASS
11N20SISO	Ant1	2412	-21.73	≤8.00	PASS
		2437	-21.20	≤8.00	PASS
		2462	-20.89	≤8.00	PASS
11N40SISO	Ant1	2422	-23.27	≤8.00	PASS
		2437	-23.62	≤8.00	PASS
		2452	-24.08	≤8.00	PASS
11AX20SISO	Ant1	2412	-21.32	≤8.00	PASS
		2437	-21.39	≤8.00	PASS
		2462	-21.19	≤8.00	PASS
11AX40SISO	Ant1	2422	-22.57	≤8.00	PASS
		2437	-22.56	≤8.00	PASS
		2452	-23.13	≤8.00	PASS

Test Graphs

11B_Ant1_2412



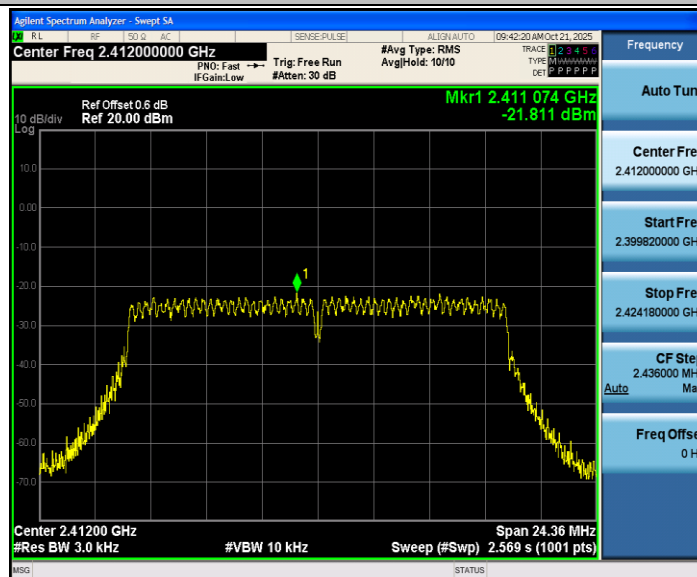
11B_Ant1_2437



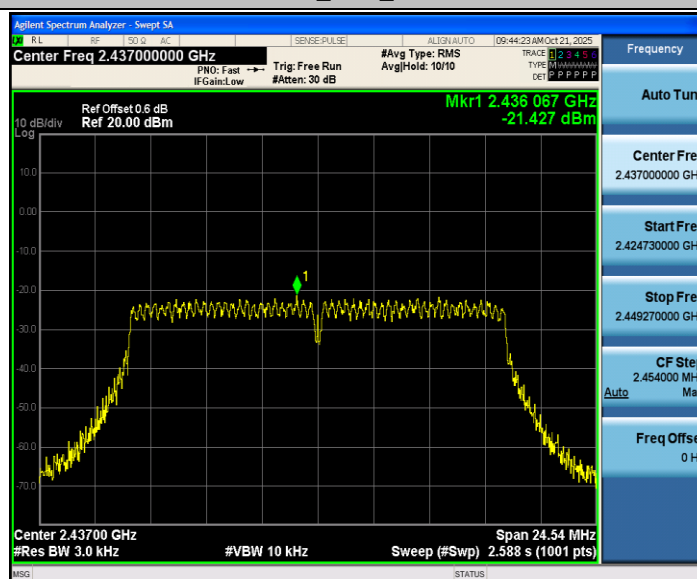
11B_Ant1_2462



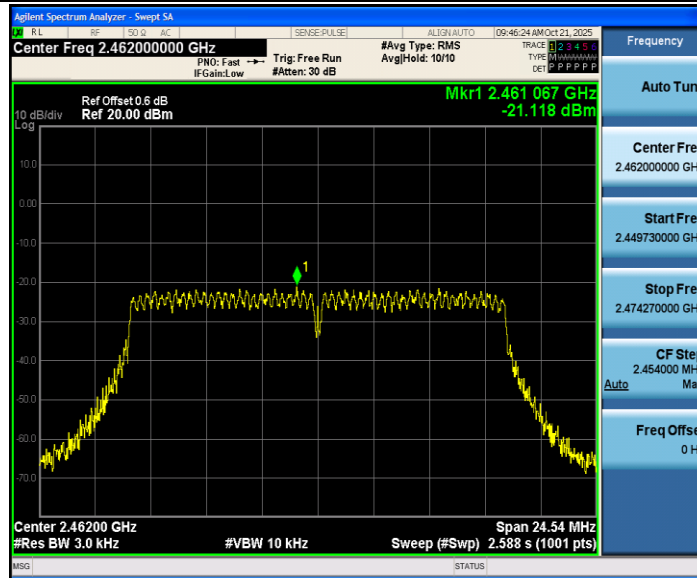
11G_Ant1_2412



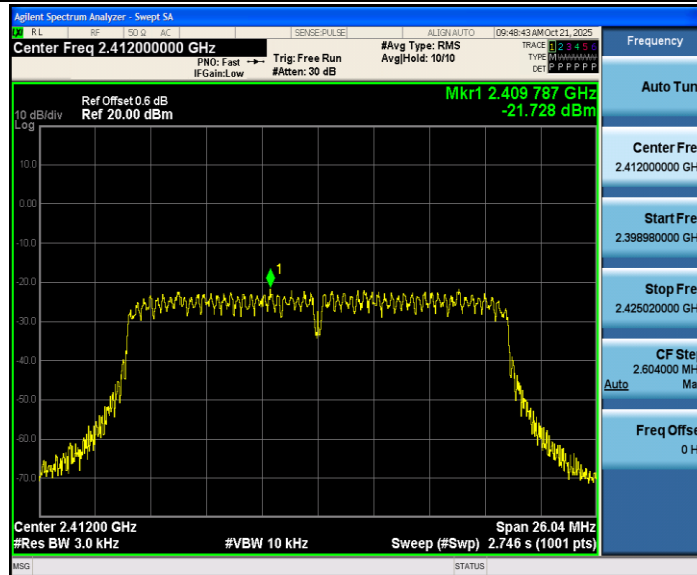
11G_Ant1_2437



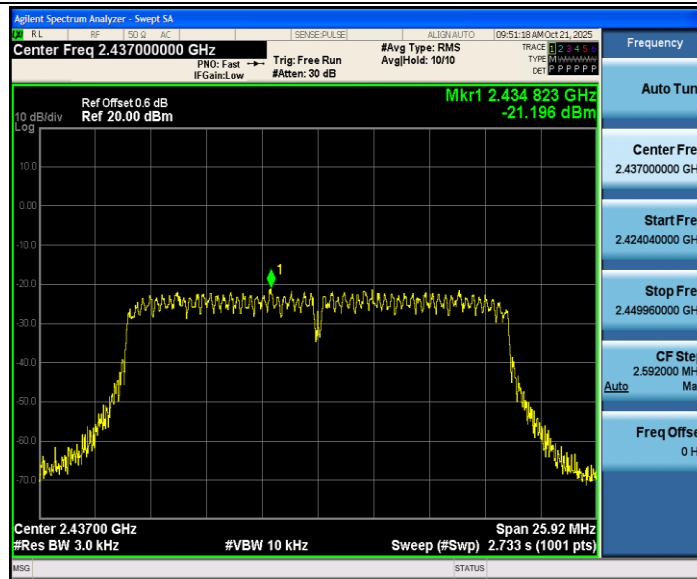
11G_Ant1_2462



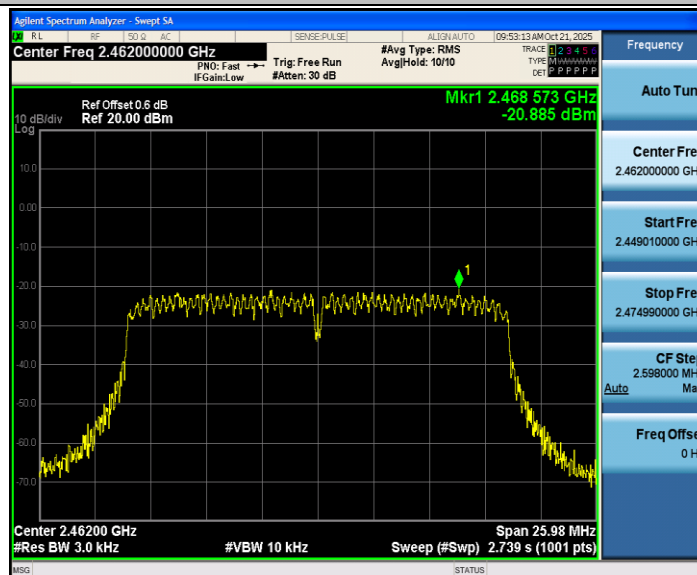
11N20SISO_Ant1_2412



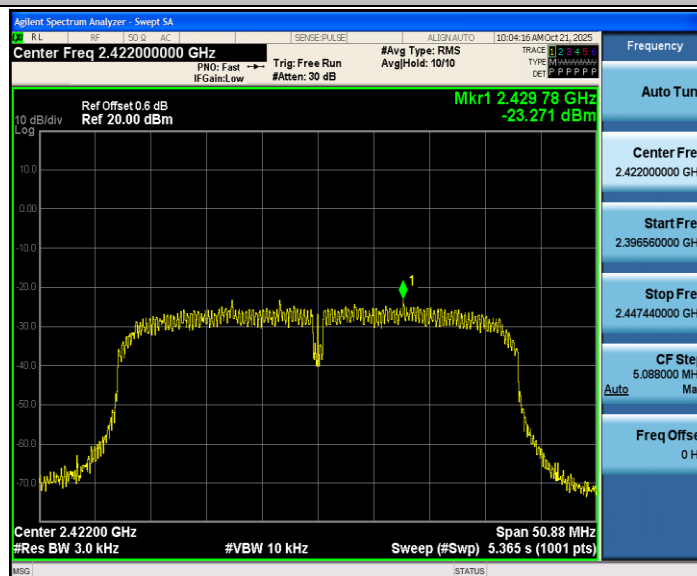
11N20SISO_Ant1_2437



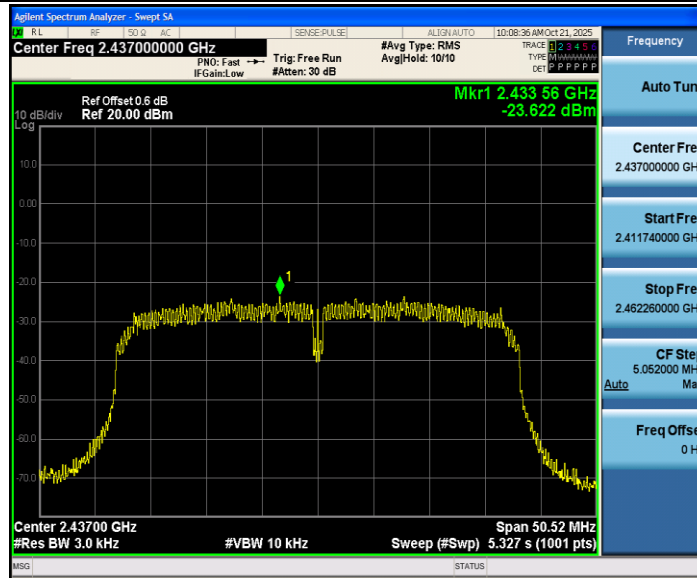
11N20SISO_Ant1_2462



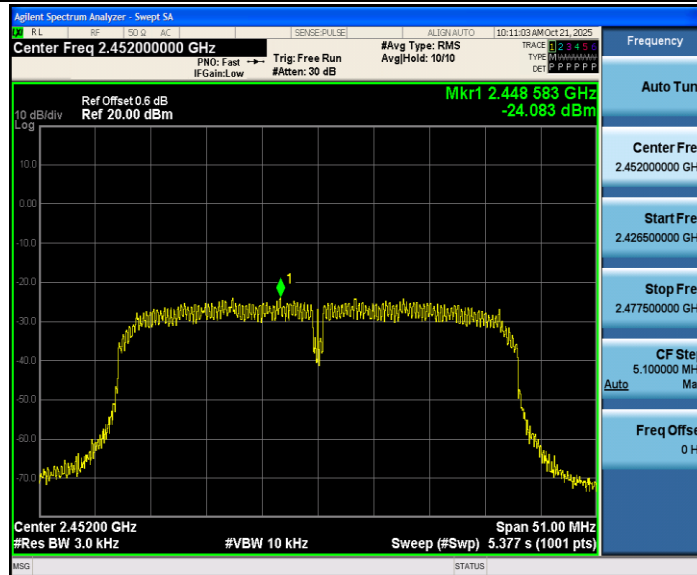
11N40SISO_Ant1_2422



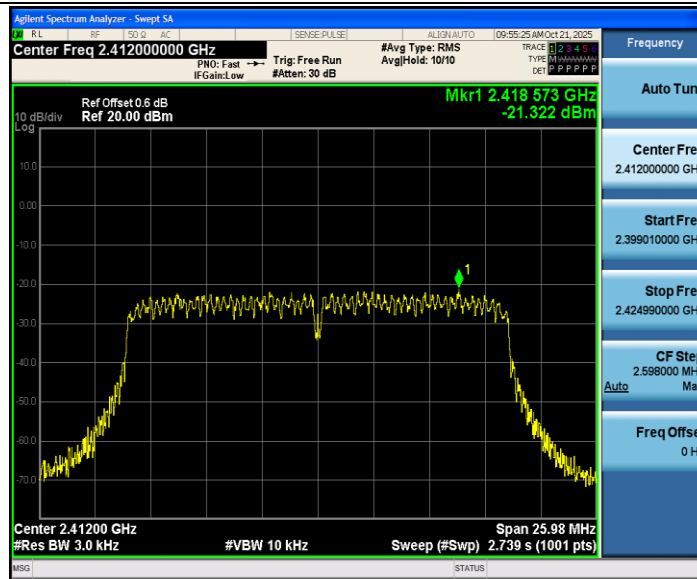
11N40SISO_Ant1_2437



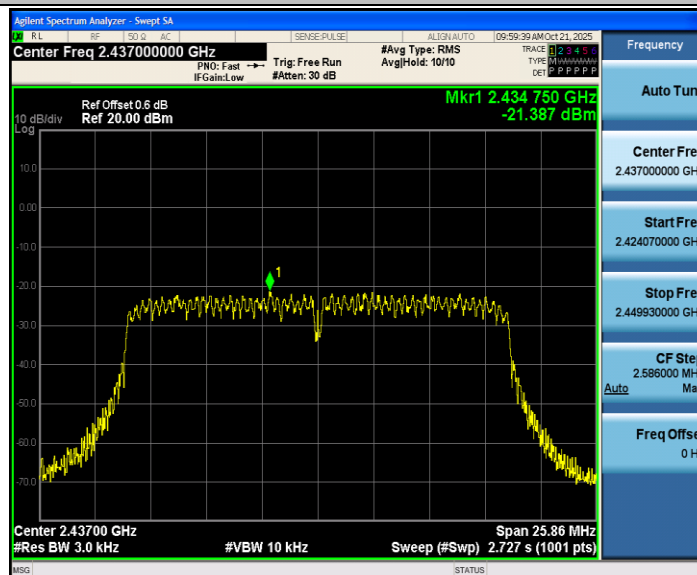
11N40SISO_Ant1_2452



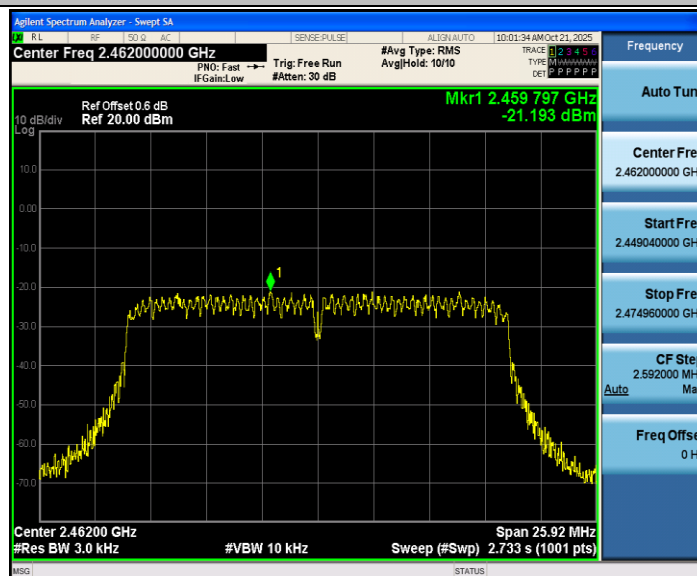
11AX20SISO_Ant1_2412



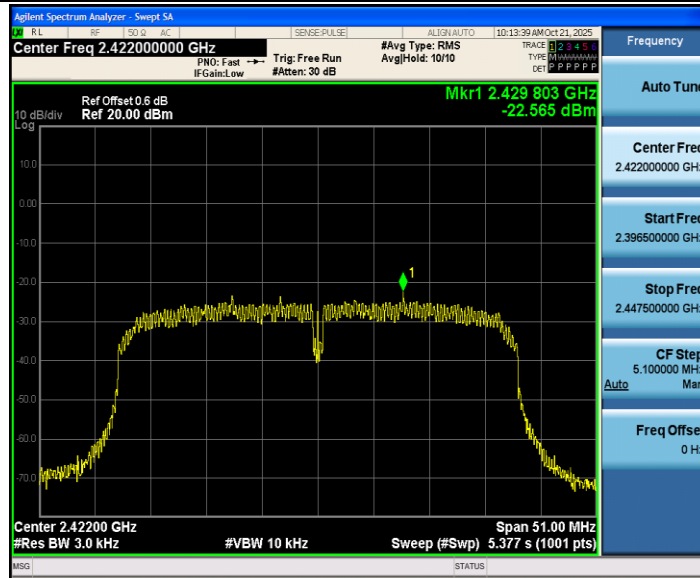
11AX20SISO_Ant1_2437



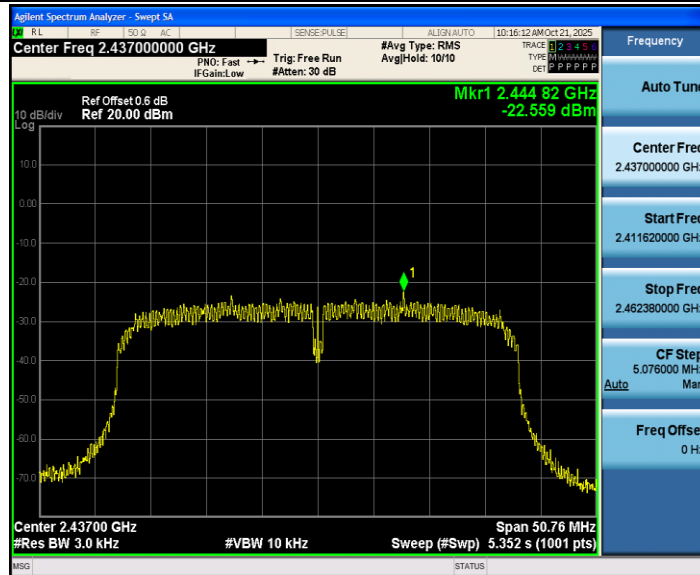
11AX20SISO_Ant1_2462



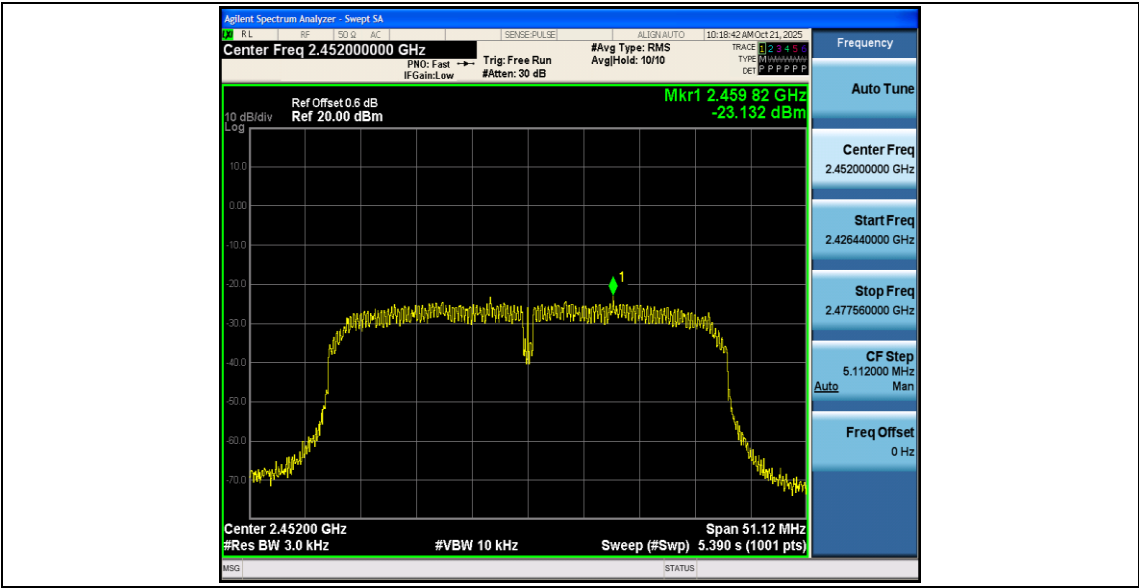
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



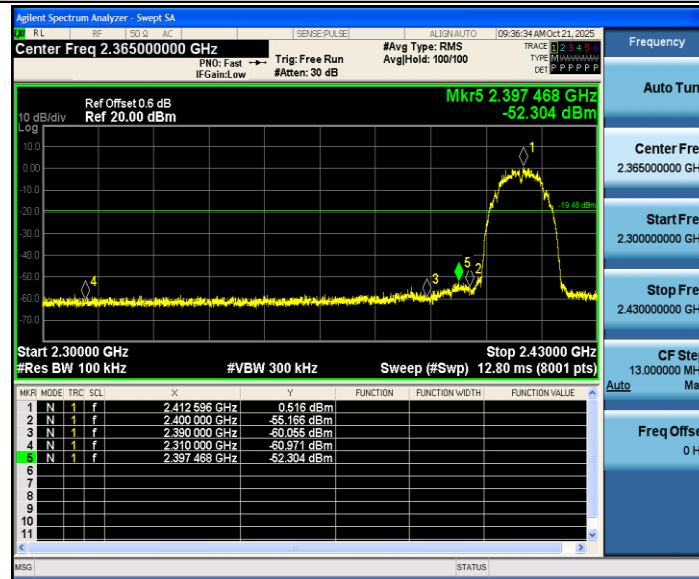
Appendix E: Band edge measurements

Test Result

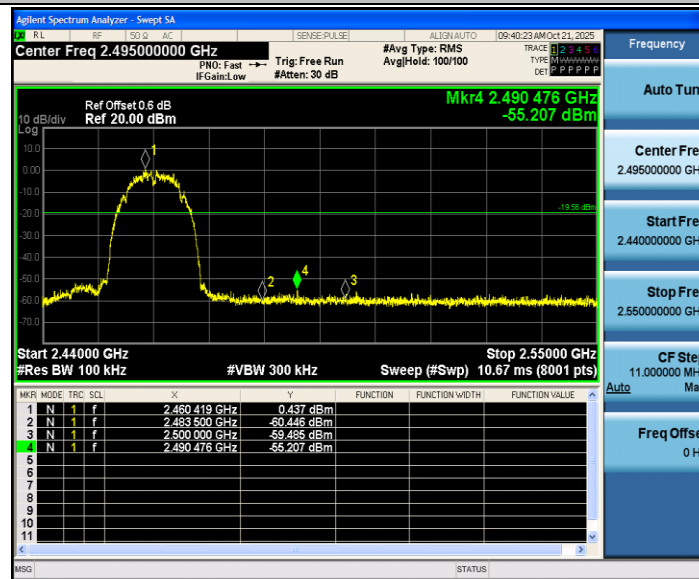
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.52	-52.3	≤-19.48	PASS
		High	2462	0.44	-55.21	≤-19.56	PASS
11G	Ant1	Low	2412	-7.81	-46.65	≤-27.81	PASS
		High	2462	-7.23	-53.97	≤-27.23	PASS
11N20SISO	Ant1	Low	2412	-7.76	-48.66	≤-27.76	PASS
		High	2462	-6.99	-52.67	≤-26.99	PASS
11N40SISO	Ant1	Low	2422	-10.99	-51.58	≤-30.99	PASS
		High	2452	-10.89	-54.65	≤-30.89	PASS
11AX20SISO	Ant1	Low	2412	-7.69	-49.03	≤-27.69	PASS
		High	2462	-7.28	-53.45	≤-27.28	PASS
11AX40SISO	Ant1	Low	2422	-10.99	-51.47	≤-30.99	PASS
		High	2452	-11.22	-56.07	≤-31.22	PASS

Test Graphs

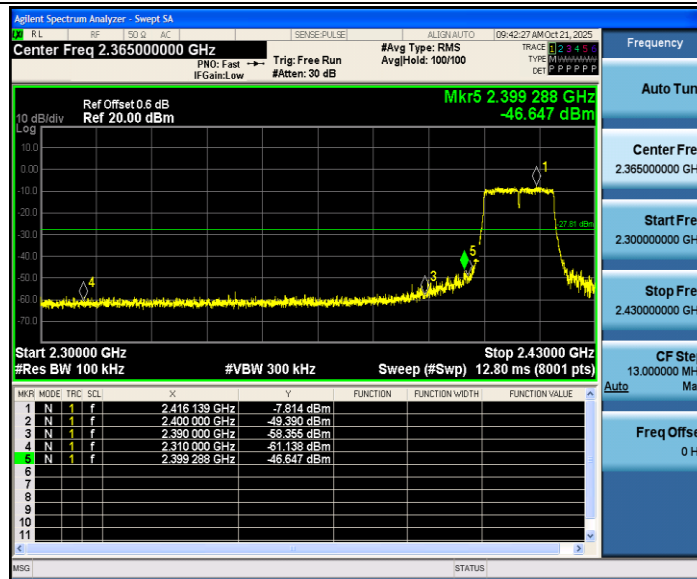
11B_Ant1_Low_2412



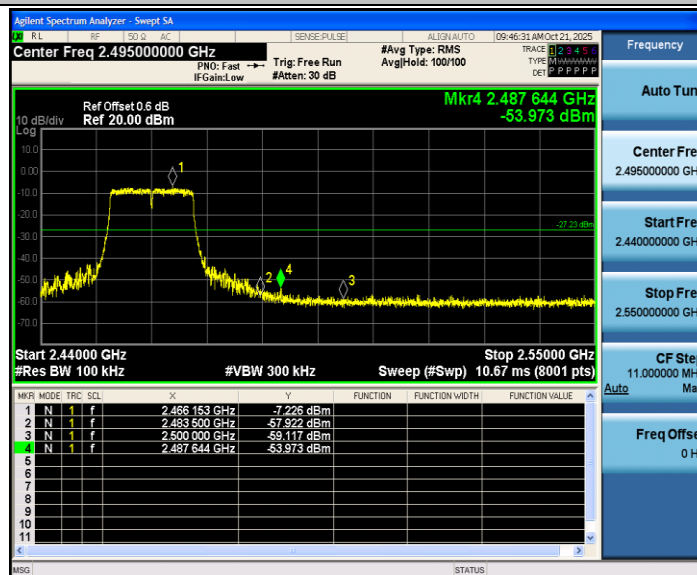
11B_Ant1_High_2462



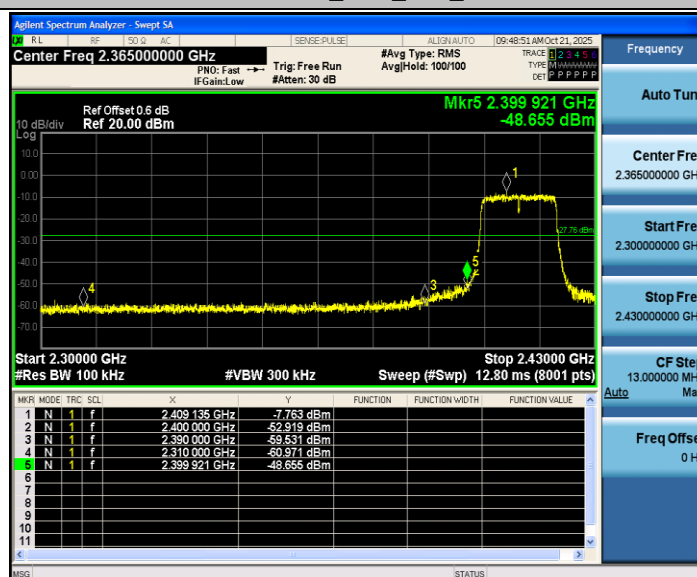
11G_Ant1_Low_2412



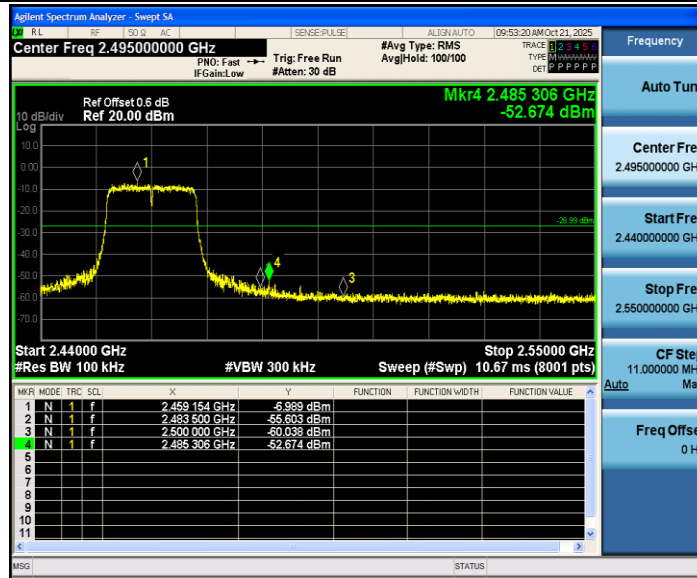
11G_Ant1_High_2462



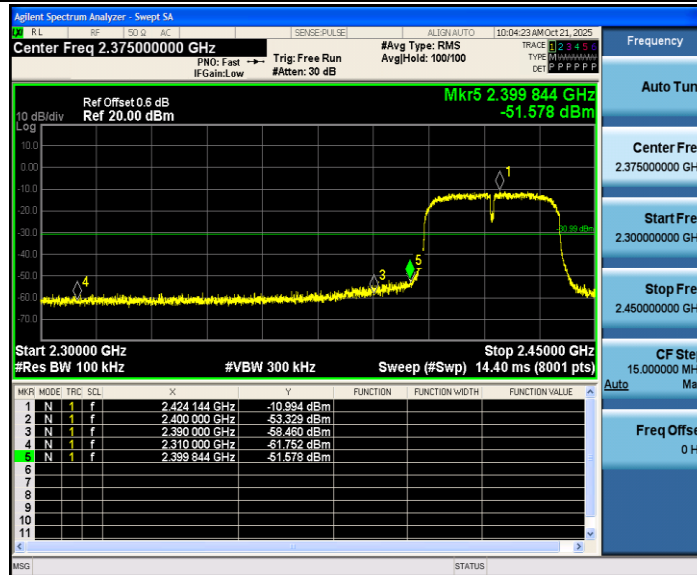
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452