

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AC5R-CCTV-01

Company : SUPERSONIC INC

EUT : NVR

Model Number : CCTV-01

Report No. : CTA26011301901

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	10.200	2406.960	2417.160	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.800	2404.160	2419.960	0.5	PASS
		2437	15.880	2429.080	2444.960	0.5	PASS
		2462	15.520	2454.280	2469.800	0.5	PASS
11N20SISO	Ant1	2412	16.320	2403.680	2420.000	0.5	PASS
		2437	17.080	2428.520	2445.600	0.5	PASS
		2462	16.920	2453.680	2470.600	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.080	2439.760	0.5	PASS
		2437	36.240	2418.920	2455.160	0.5	PASS
		2452	35.840	2434.160	2470.000	0.5	PASS
11AX20SISO	Ant1	2412	17.920	2403.280	2421.200	0.5	PASS
		2437	18.120	2428.000	2446.120	0.5	PASS
		2462	17.520	2453.320	2470.840	0.5	PASS
11AX40SISO	Ant1	2422	37.200	2403.600	2440.800	0.5	PASS
		2437	36.400	2419.160	2455.560	0.5	PASS
		2452	37.120	2433.600	2470.720	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



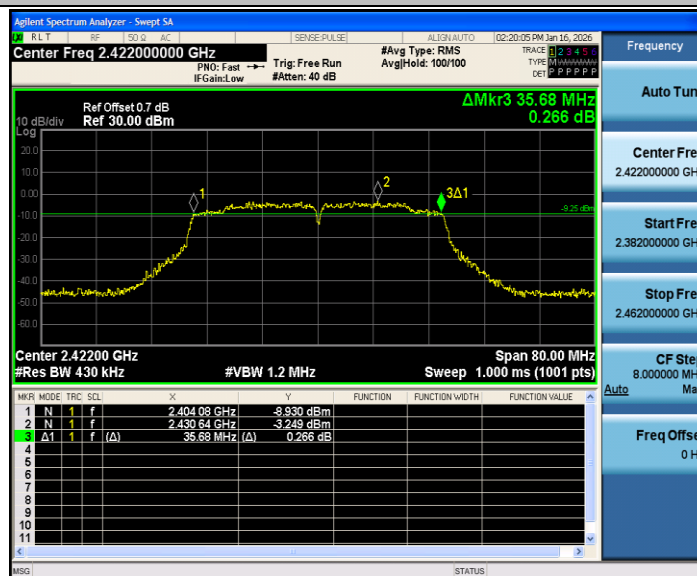
11N20SISO_Ant1_2437



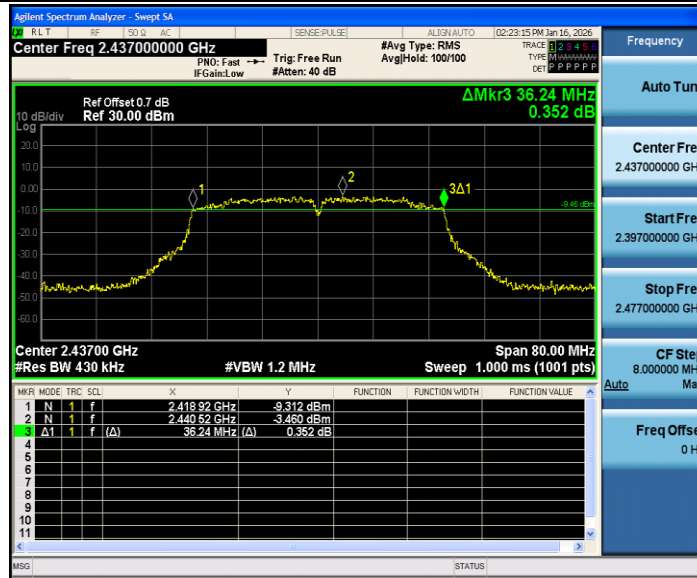
11N20SISO_Ant1_2462



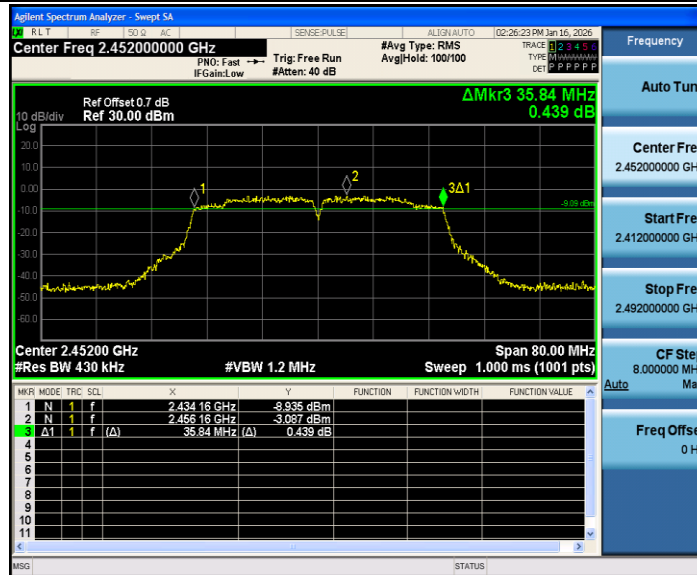
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



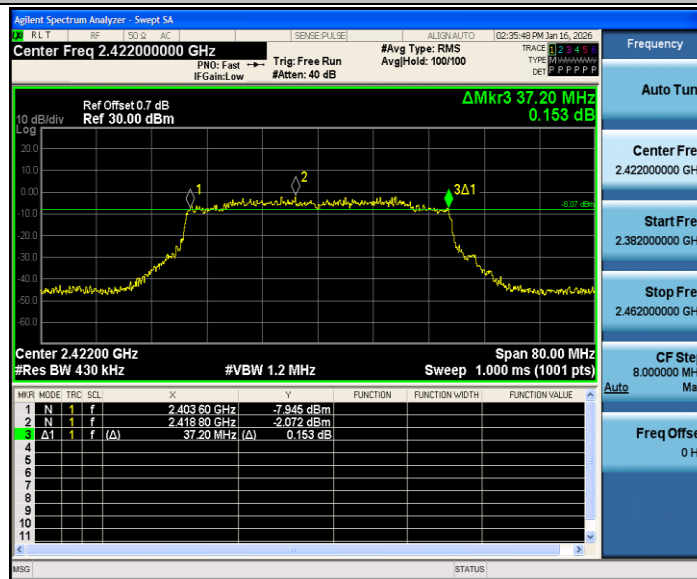
11AX20SISO_Ant1_2437



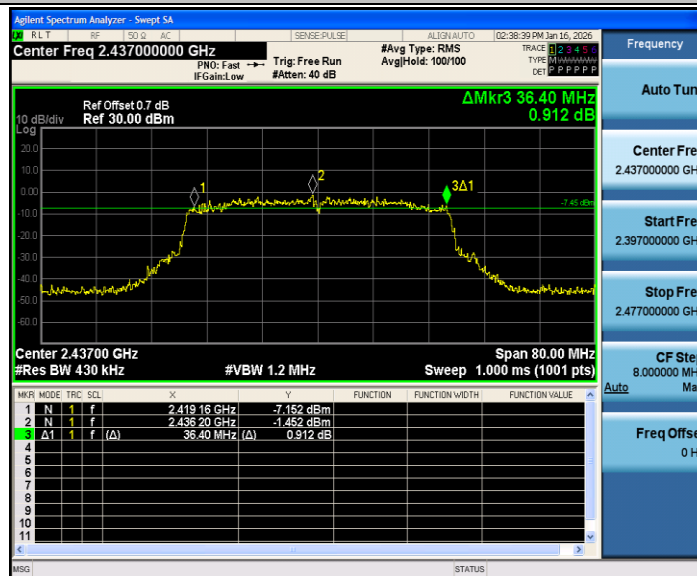
11AX20SISO_Ant1_2462



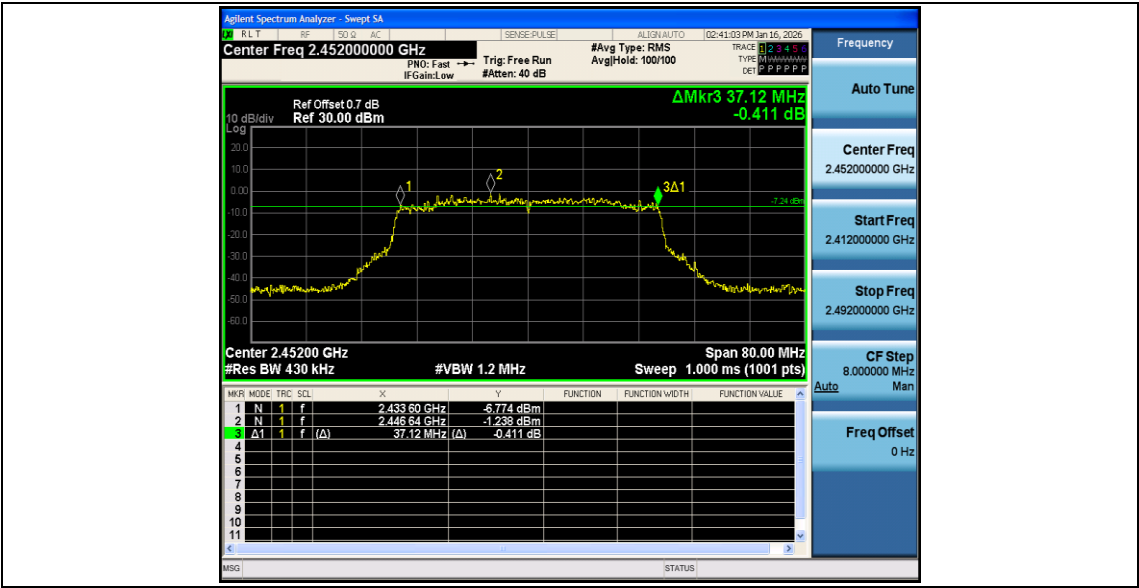
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



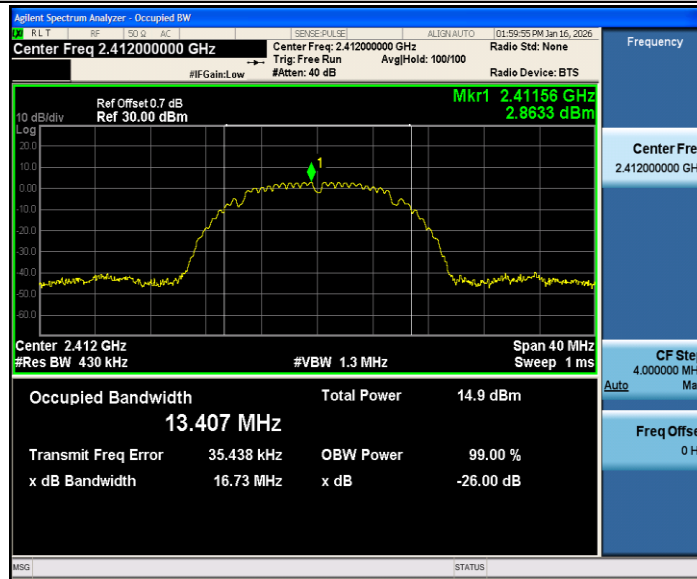
Appendix B: Occupied Channel Bandwidth

Test Result

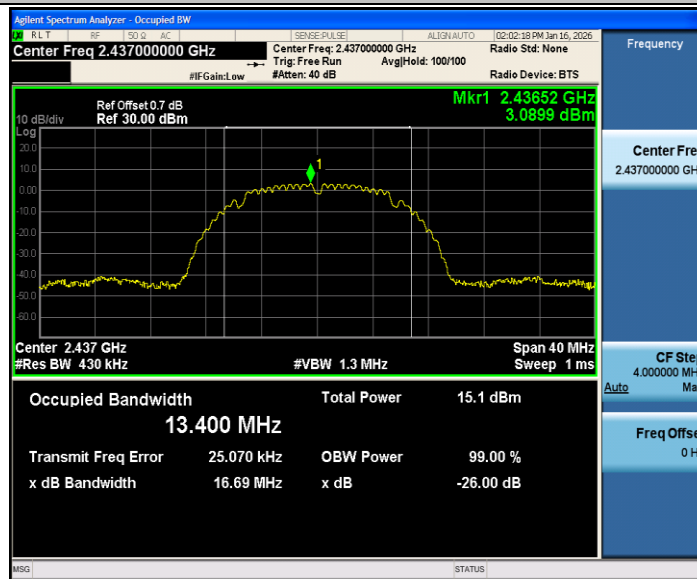
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.407	2405.3319	2418.7389	---	---
		2437	13.400	2430.3251	2443.7251	---	---
		2462	13.415	2455.3021	2468.7171	---	---
11G	Ant1	2412	16.861	2403.6712	2420.5322	---	---
		2437	16.872	2428.5731	2445.4451	---	---
		2462	16.916	2453.5672	2470.4832	---	---
11N20SISO	Ant1	2412	17.884	2403.1067	2420.9907	---	---
		2437	17.893	2428.0777	2445.9707	---	---
		2462	17.892	2453.0478	2470.9398	---	---
11N40SISO	Ant1	2422	36.060	2404.0521	2440.1121	---	---
		2437	36.067	2419.0444	2455.1114	---	---
		2452	36.021	2434.0969	2470.1179	---	---
11AX20SISO	Ant1	2412	18.868	2402.6032	2421.4712	---	---
		2437	18.906	2427.5490	2446.4550	---	---
		2462	18.940	2452.5455	2471.4855	---	---
11AX40SISO	Ant1	2422	37.544	2403.3118	2440.8558	---	---
		2437	37.554	2418.3112	2455.8652	---	---
		2452	37.479	2433.3720	2470.8510	---	---

Test Graphs

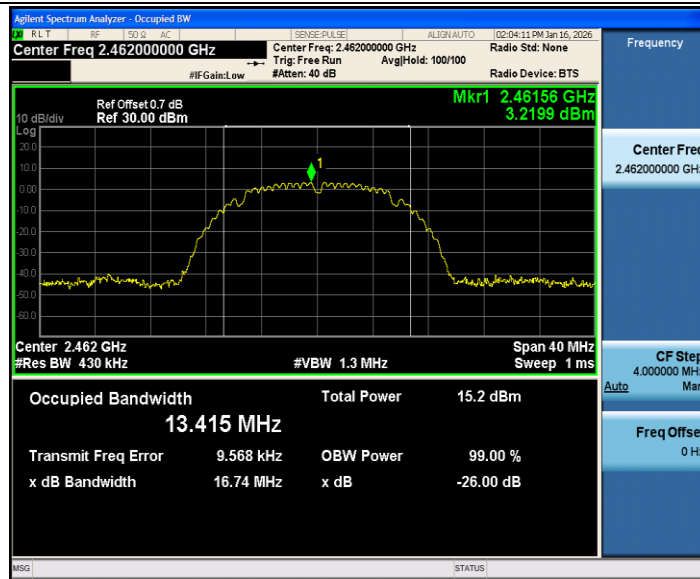
11B_Ant1_2412



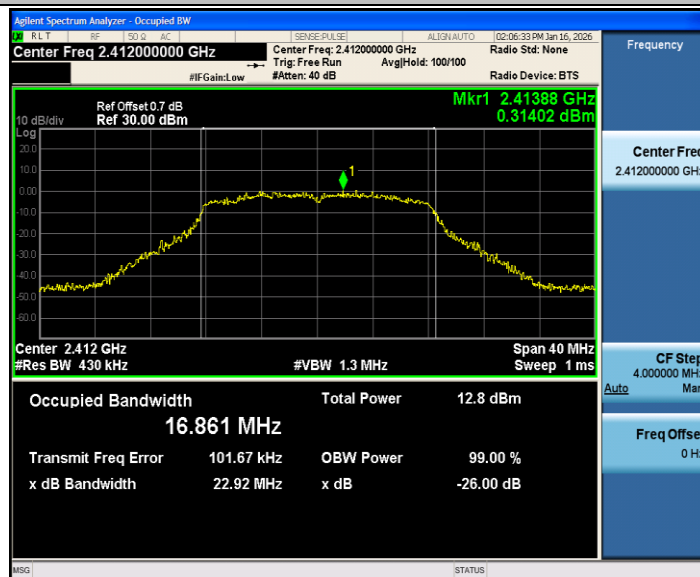
11B_Ant1_2437



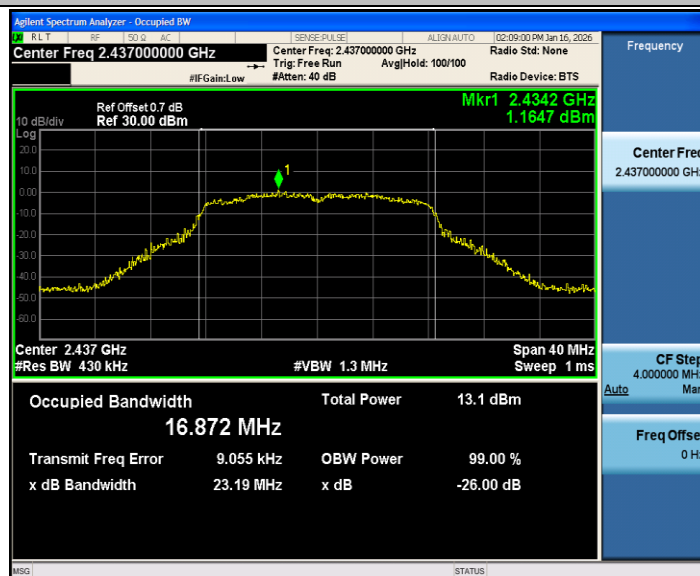
11B_Ant1_2462



11G_Ant1_2412



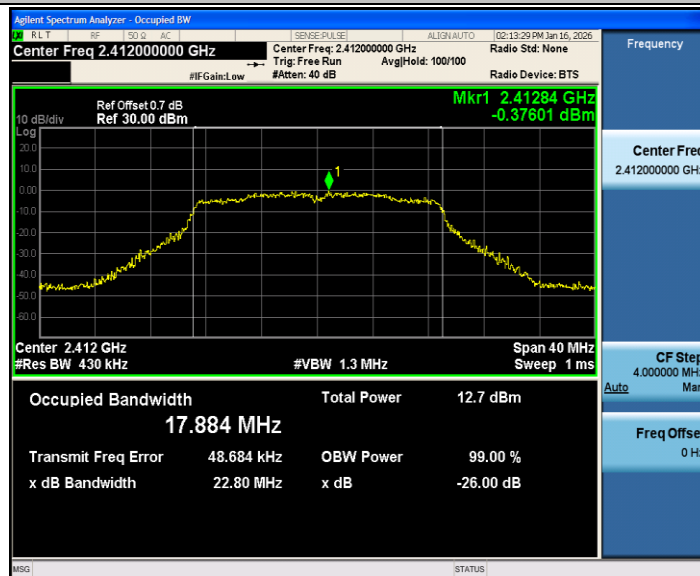
11G_Ant1_2437



11G_Ant1_2462



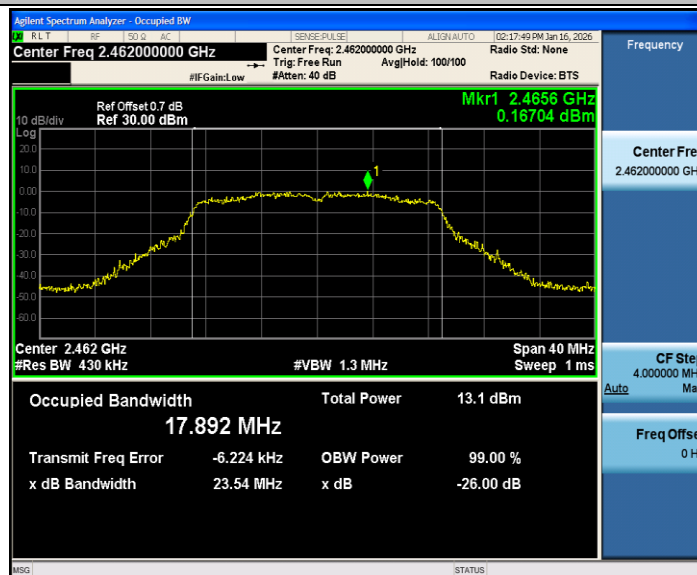
11N20SISO_Ant1_2412



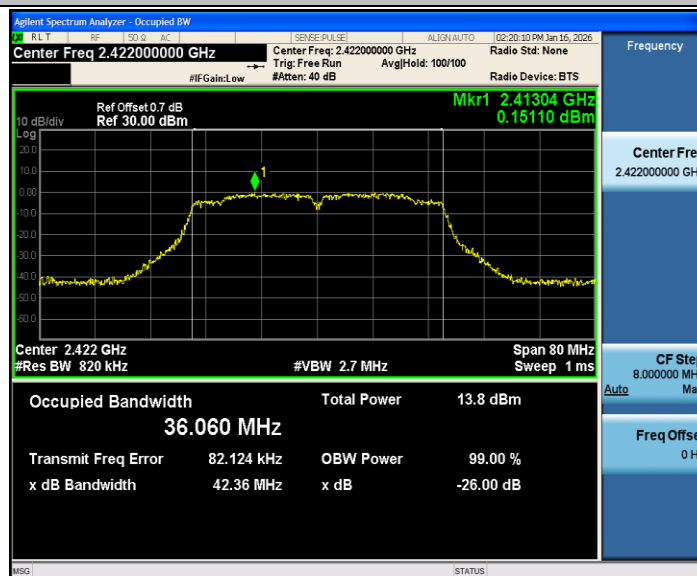
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



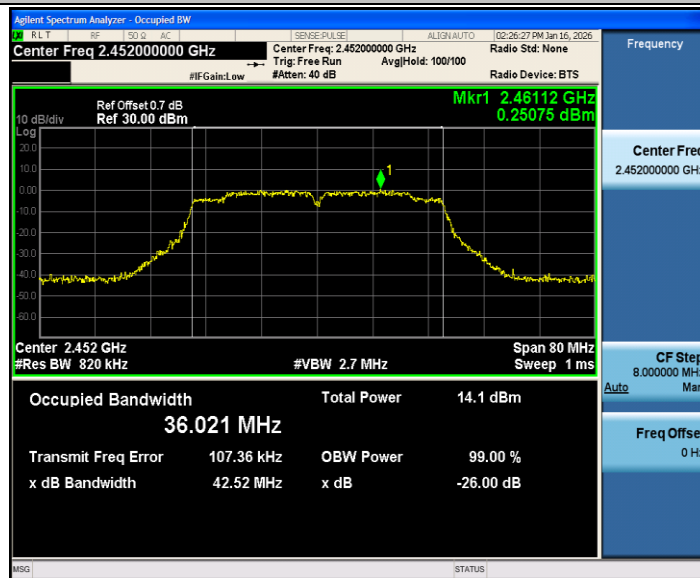
11N40SISO_Ant1_2422



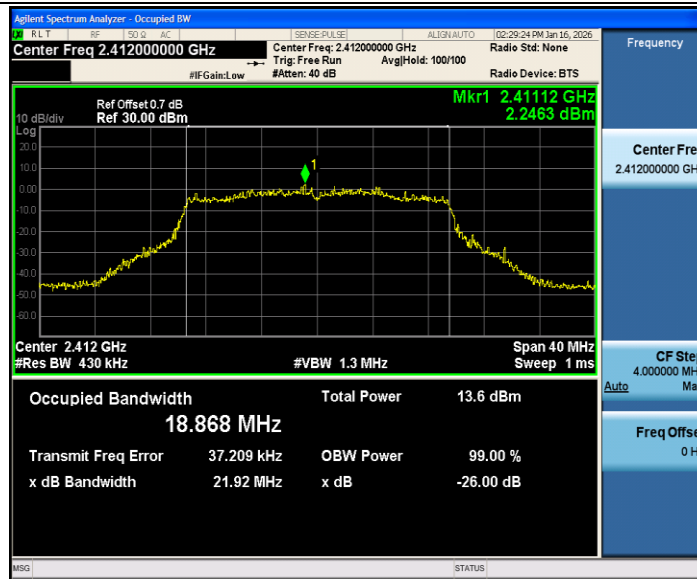
11N40SISO_Ant1_2437



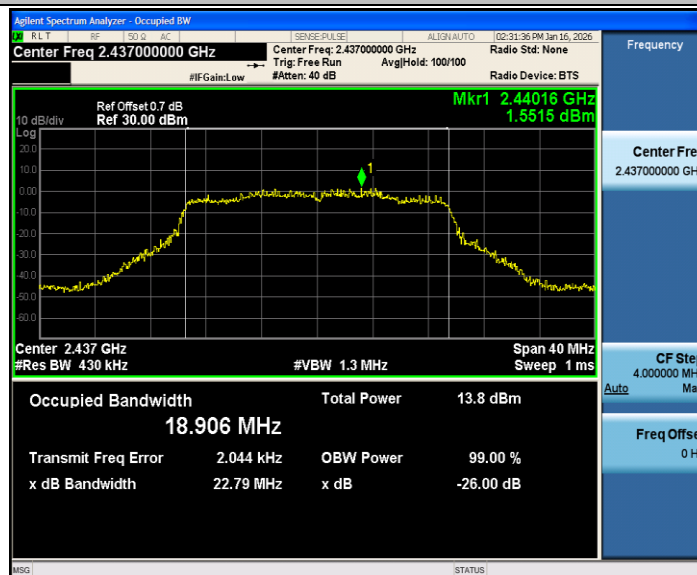
11N40SISO_Ant1_2452



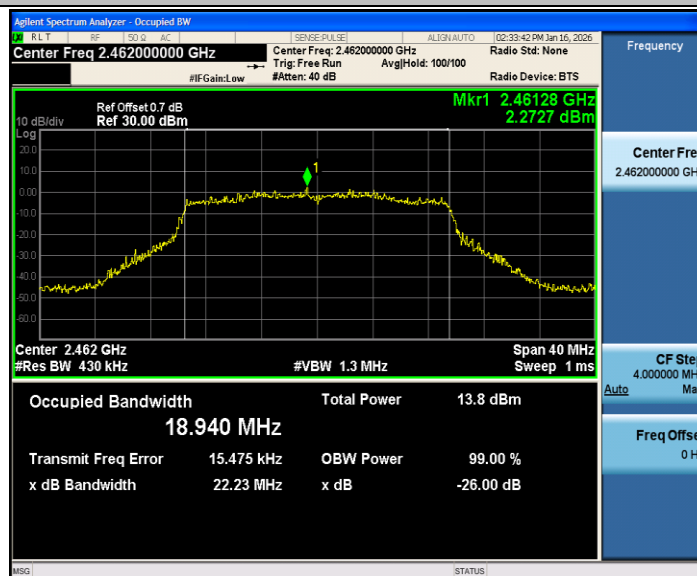
11AX20SISO_Ant1_2412



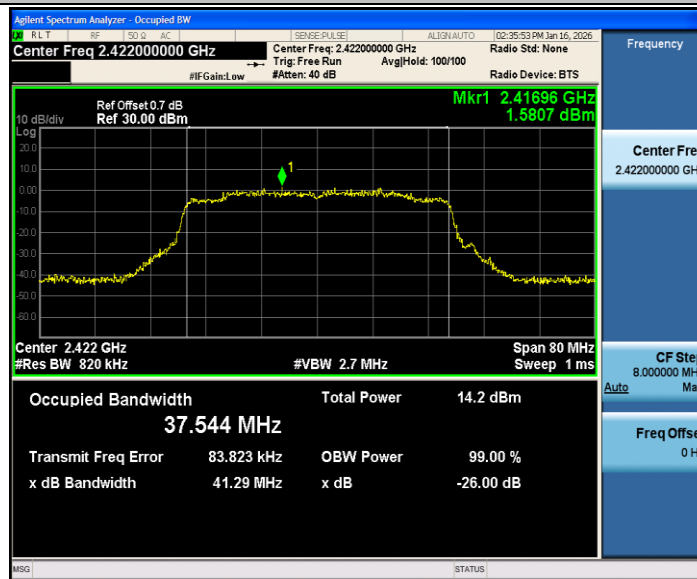
11AX20SISO_Ant1_2437



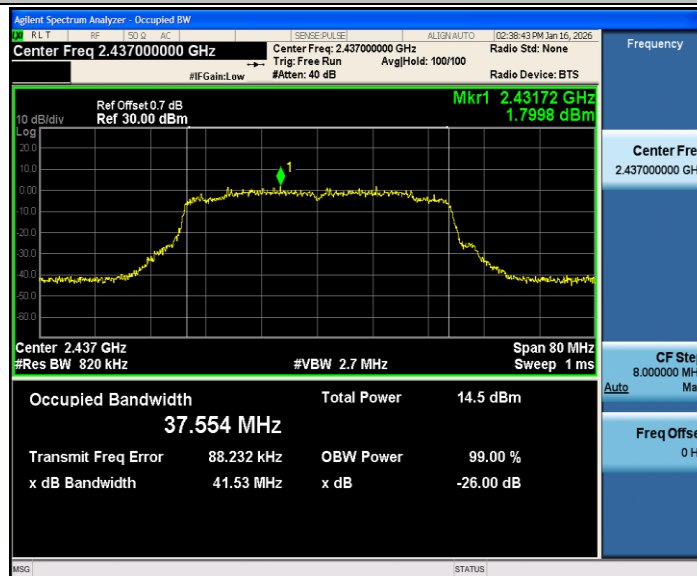
11AX20SISO_Ant1_2462



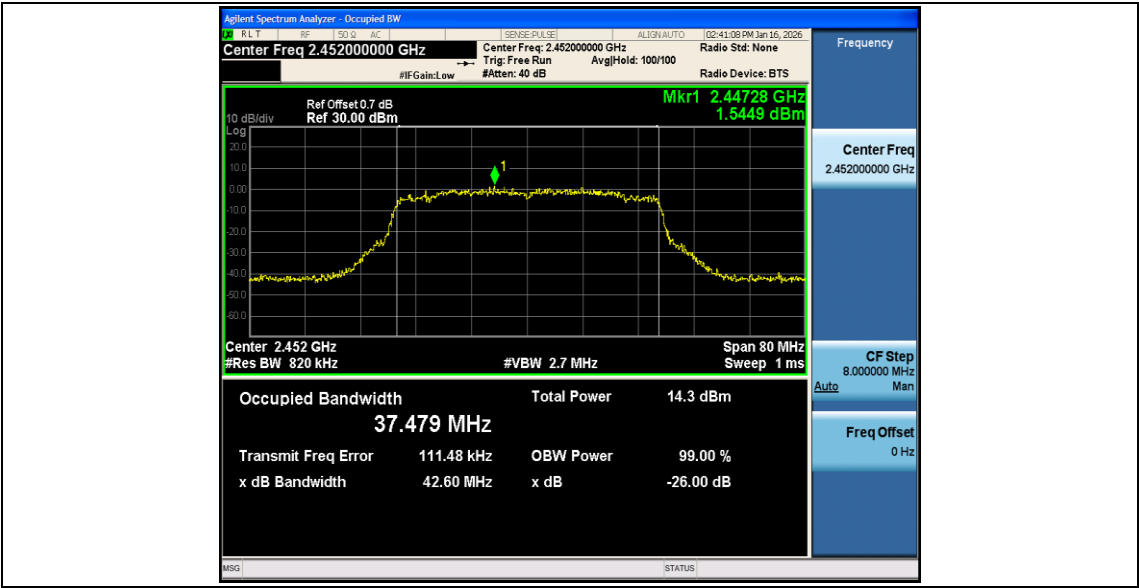
11AX40SISO_Ant1_2422



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	14.56	≤30.00	PASS
		2437	14.64	≤30.00	PASS
		2462	14.90	≤30.00	PASS
11G	Ant1	2412	13.75	≤30.00	PASS
		2437	13.98	≤30.00	PASS
		2462	14.12	≤30.00	PASS
11N20SISO	Ant1	2412	13.56	≤30.00	PASS
		2437	13.91	≤30.00	PASS
		2462	13.94	≤30.00	PASS
11N40SISO	Ant1	2422	14.00	≤30.00	PASS
		2437	14.26	≤30.00	PASS
		2452	14.17	≤30.00	PASS
11AX20SISO	Ant1	2412	13.99	≤30.00	PASS
		2437	14.21	≤30.00	PASS
		2462	14.18	≤30.00	PASS
11AX40SISO	Ant1	2422	14.19	≤30.00	PASS
		2437	14.42	≤30.00	PASS
		2452	14.46	≤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	-11.29	≤8.00	PASS
		2437	-10.75	≤8.00	PASS
		2462	-11.60	≤8.00	PASS
11G	Ant1	2412	-18.27	≤8.00	PASS
		2437	-17.61	≤8.00	PASS
		2462	-17.55	≤8.00	PASS
11N20SISO	Ant1	2412	-17.62	≤8.00	PASS
		2437	-17.35	≤8.00	PASS
		2462	-18.03	≤8.00	PASS
11N40SISO	Ant1	2422	-20.25	≤8.00	PASS
		2437	-19.60	≤8.00	PASS
		2452	-19.63	≤8.00	PASS
11AX20SISO	Ant1	2412	-18.78	≤8.00	PASS
		2437	-18.96	≤8.00	PASS
		2462	-18.47	≤8.00	PASS
11AX40SISO	Ant1	2422	-21.64	≤8.00	PASS
		2437	-21.25	≤8.00	PASS
		2452	-21.64	≤8.00	PASS

Test Graphs

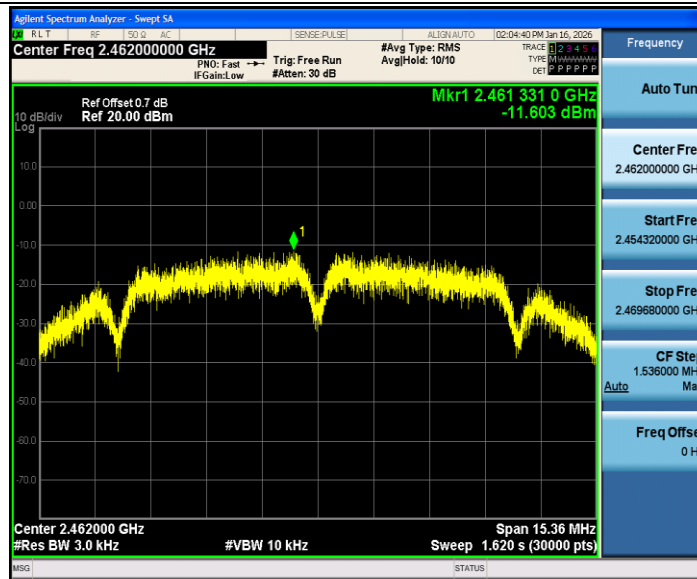
11B_Ant1_2412



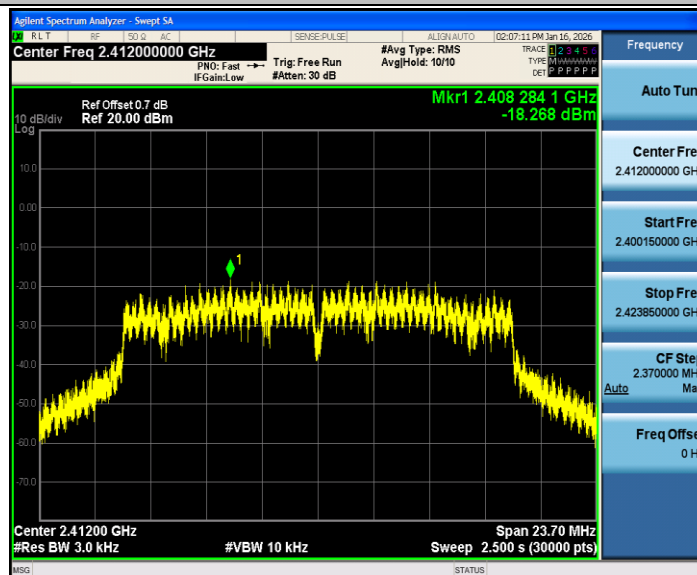
11B_Ant1_2437



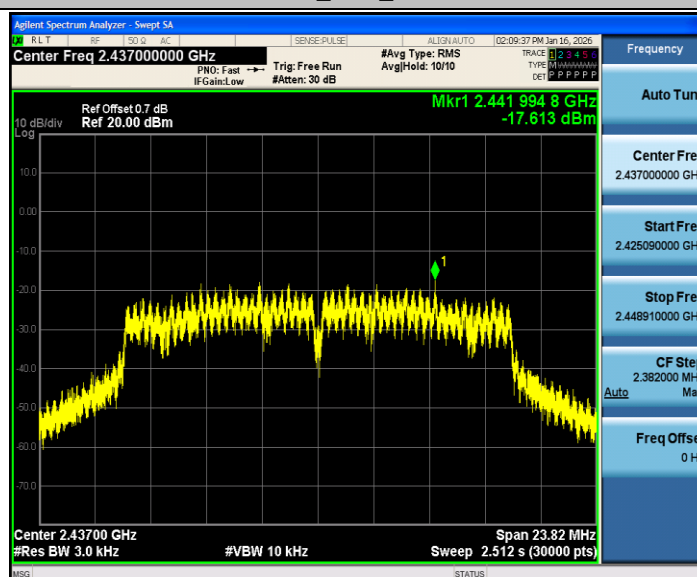
11B_Ant1_2462



11G_Ant1_2412



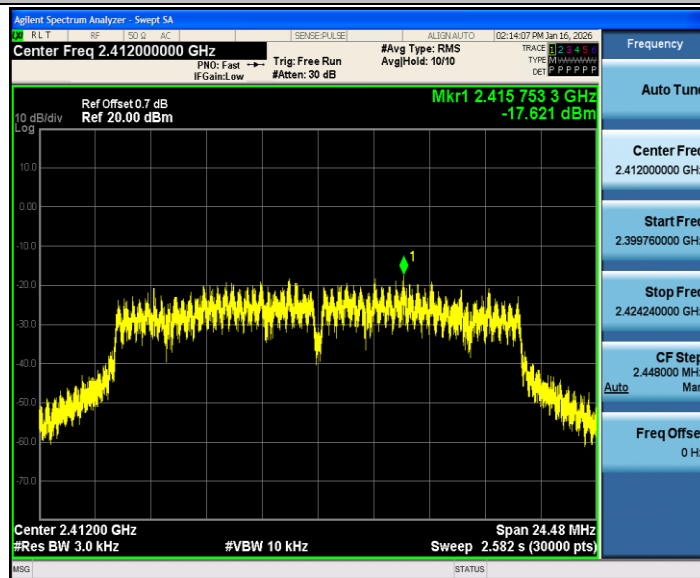
11G_Ant1_2437



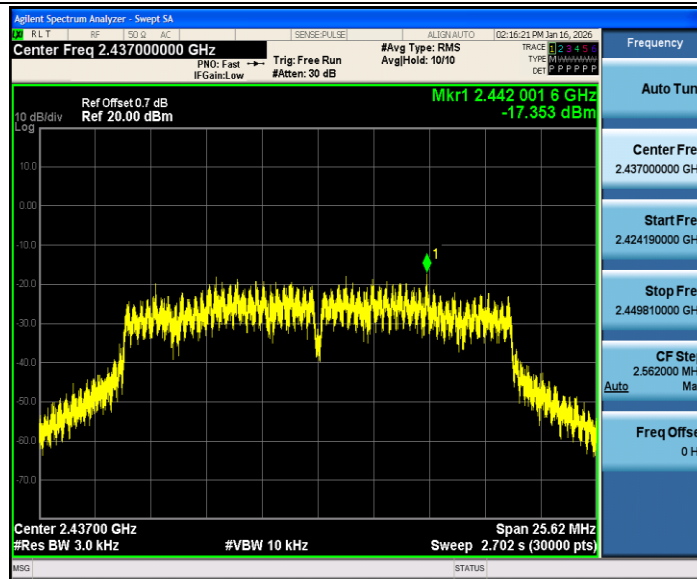
11G_Ant1_2462



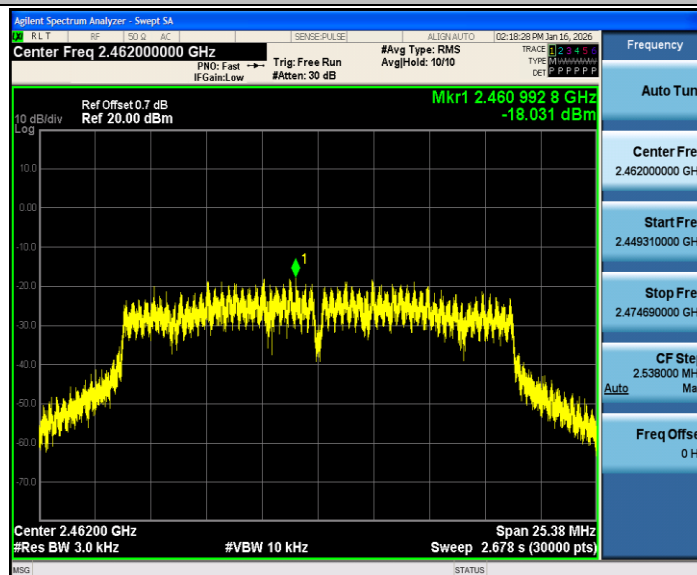
11N20SISO_Ant1_2412



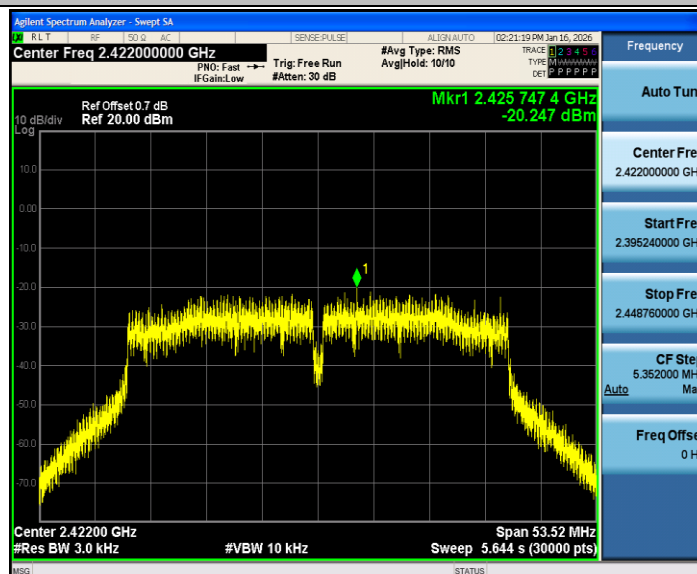
11N20SISO_Ant1_2437



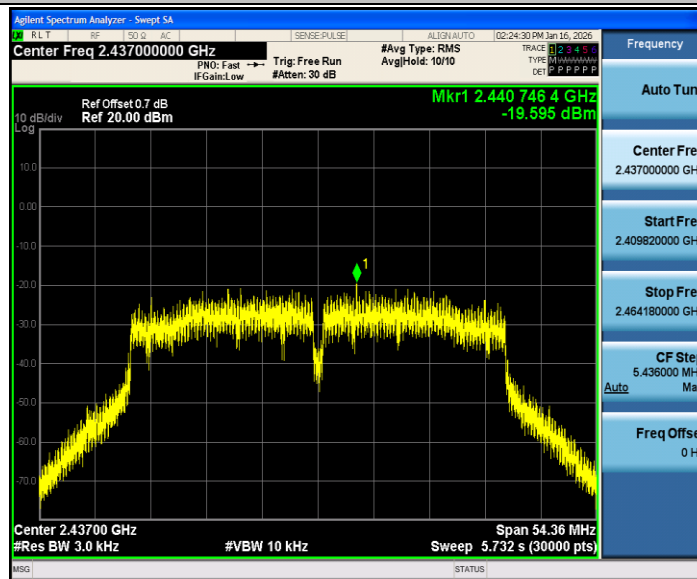
11N20SISO_Ant1_2462



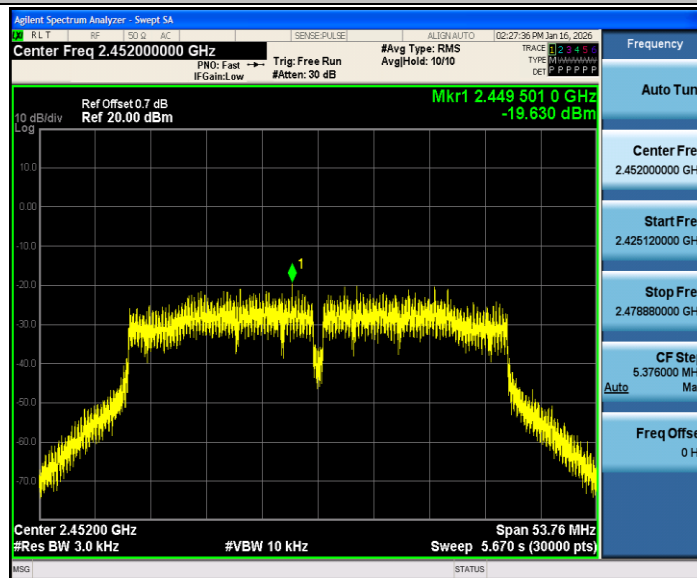
11N40SISO_Ant1_2422



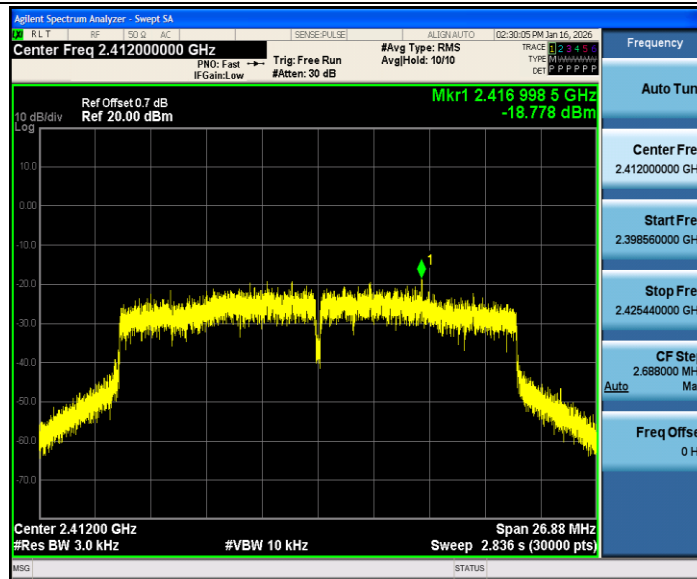
11N40SISO_Ant1_2437



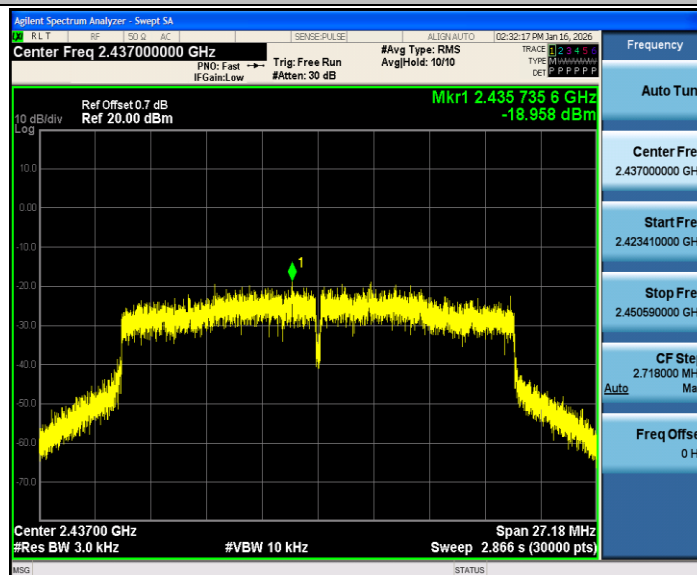
11N40SISO_Ant1_2452



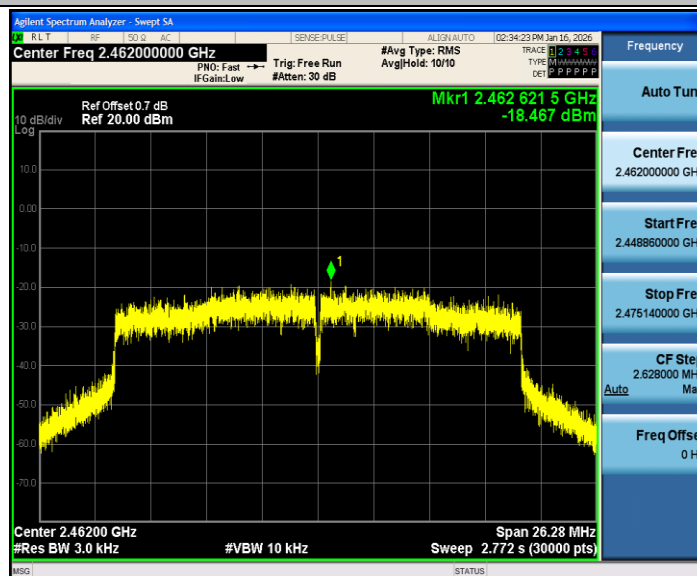
11AX20SISO_Ant1_2412



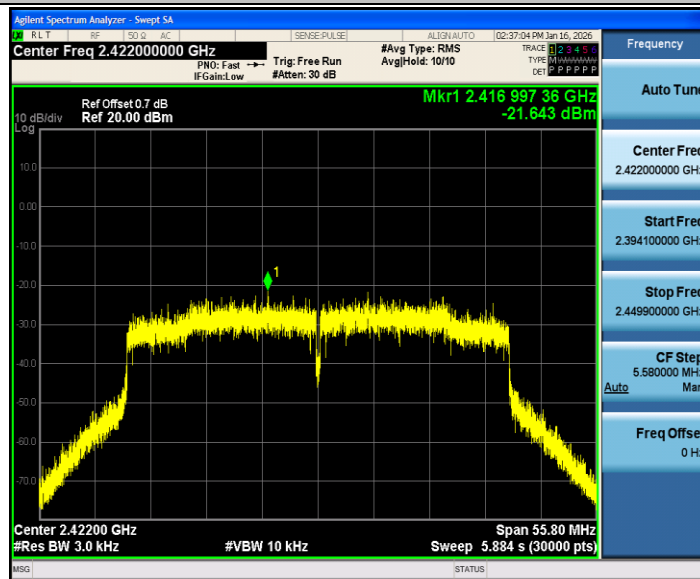
11AX20SISO_Ant1_2437



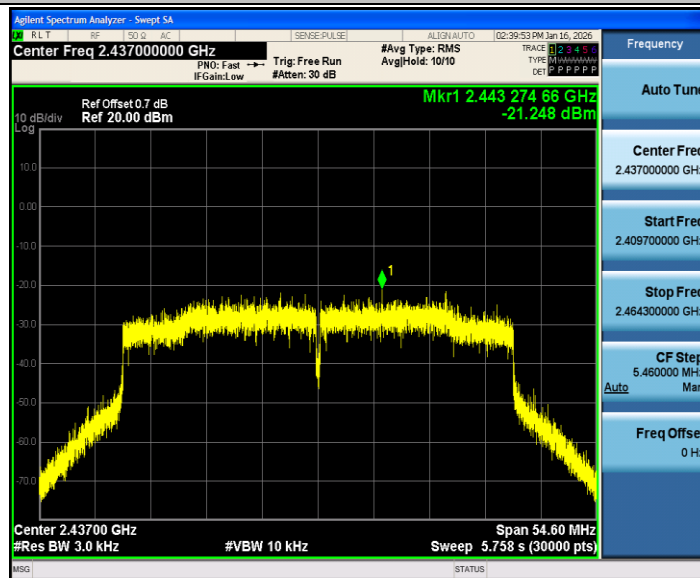
11AX20SISO_Ant1_2462



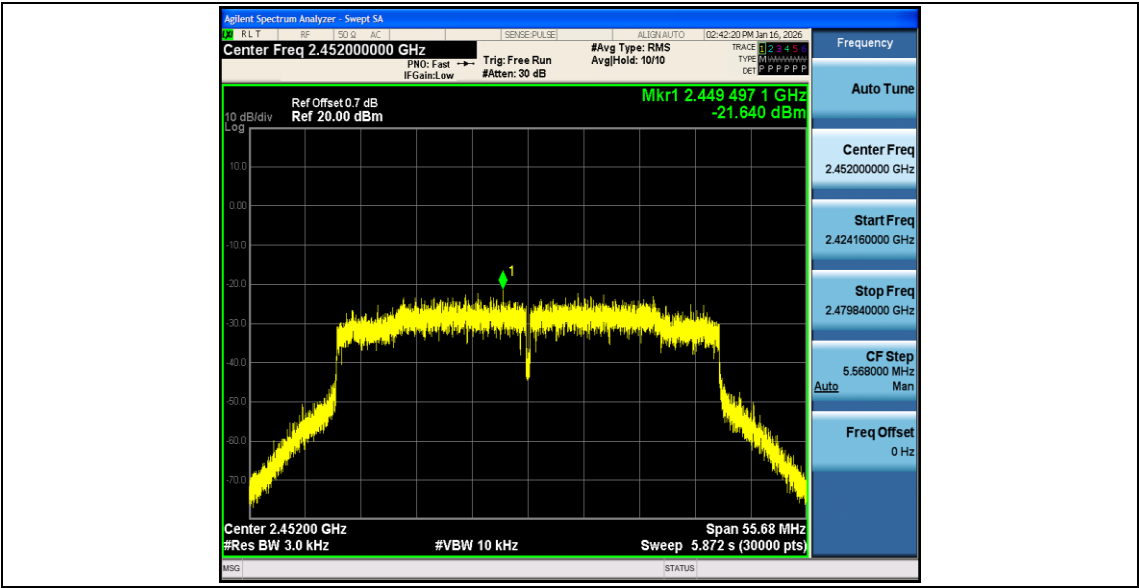
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



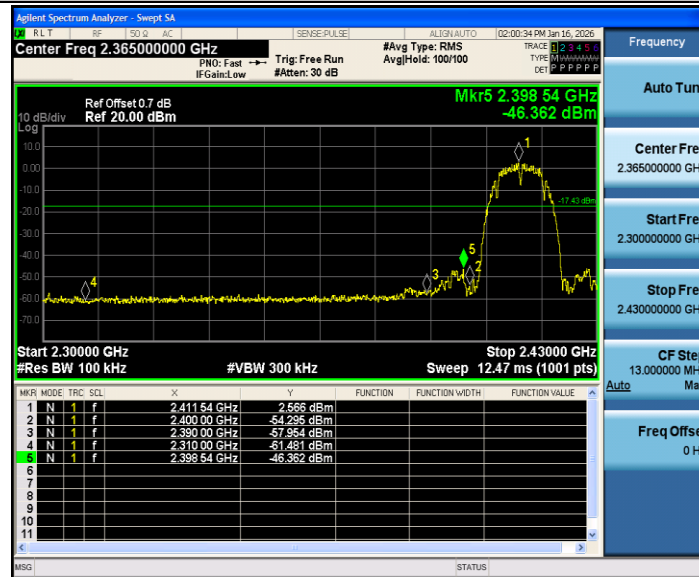
Appendix E: Band edge measurements

Test Result

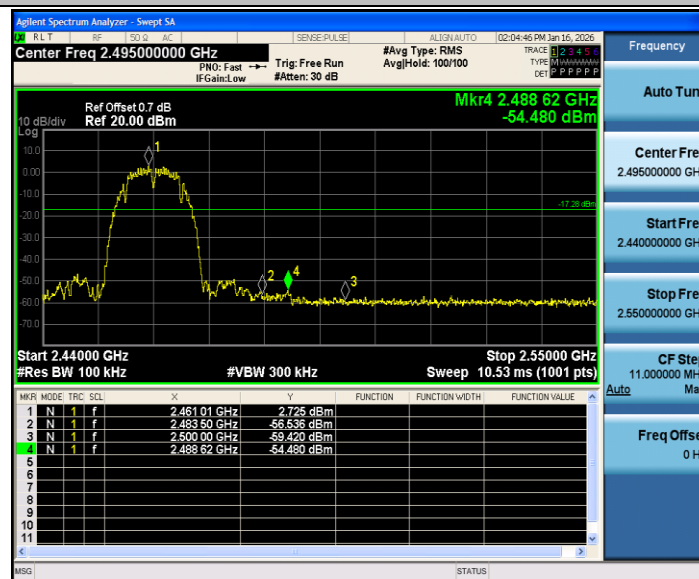
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.57	-46.36	≤-17.43	PASS
		High	2462	2.73	-54.48	≤-17.28	PASS
11G	Ant1	Low	2412	-2.74	-33.04	≤-22.74	PASS
		High	2462	-2.55	-57.03	≤-22.55	PASS
11N20SISO	Ant1	Low	2412	-2.69	-33.82	≤-22.69	PASS
		High	2462	-2.37	-57.35	≤-22.37	PASS
11N40SISO	Ant1	Low	2422	-6.10	-33.8	≤-26.1	PASS
		High	2452	-5.72	-57.11	≤-25.72	PASS
11AX20SISO	Ant1	Low	2412	-3.38	-33.27	≤-23.38	PASS
		High	2462	-2.81	-57.71	≤-22.81	PASS
11AX40SISO	Ant1	Low	2422	-6.55	-35.68	≤-26.55	PASS
		High	2452	-6.21	-56.84	≤-26.21	PASS

Test Graphs

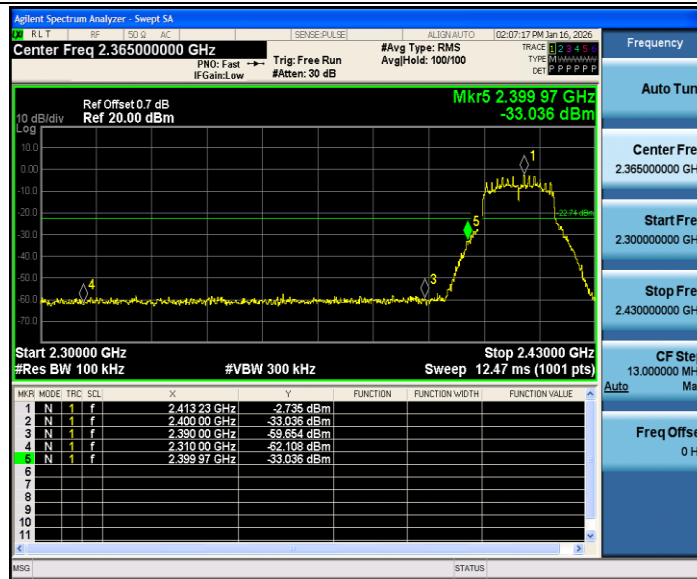
11B_Ant1_Low_2412



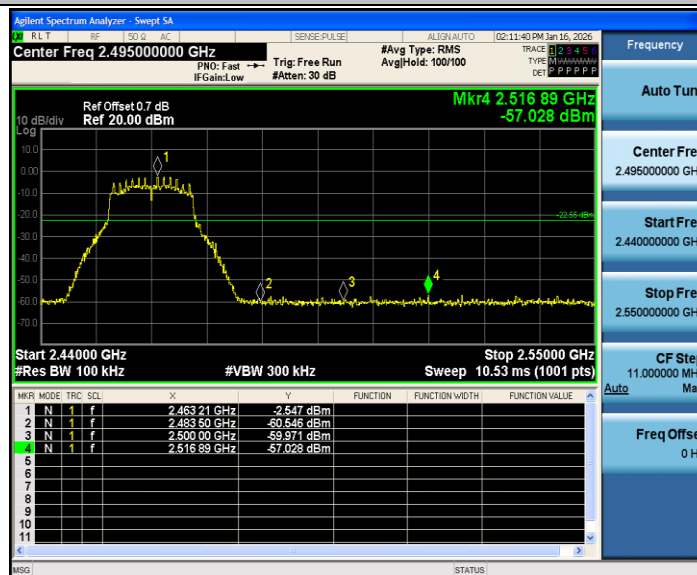
11B_Ant1_High_2462



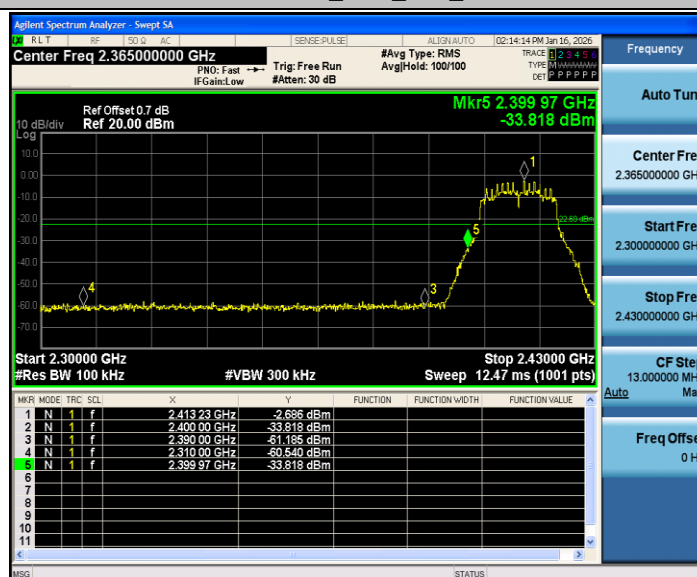
11G_Ant1_Low_2412



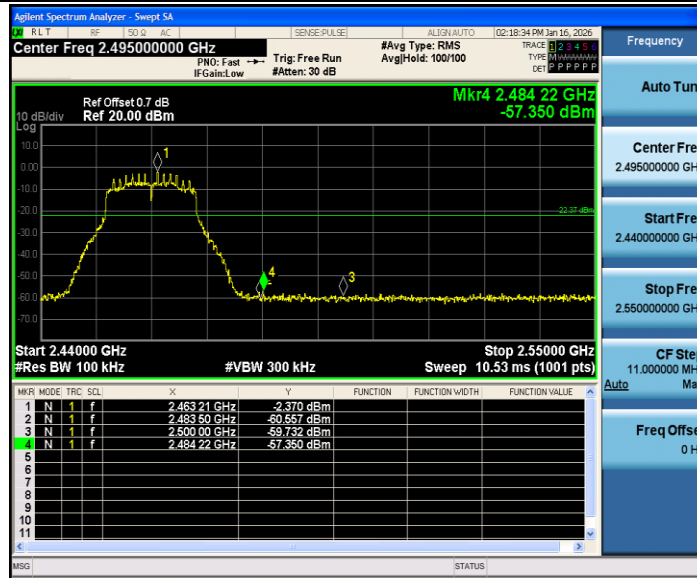
11G_Ant1_High_2462



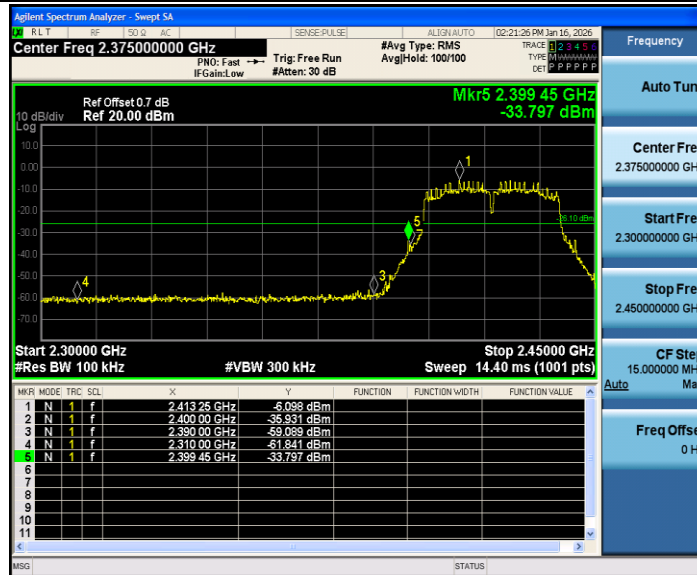
11N20SISO_Ant1_Low_2412



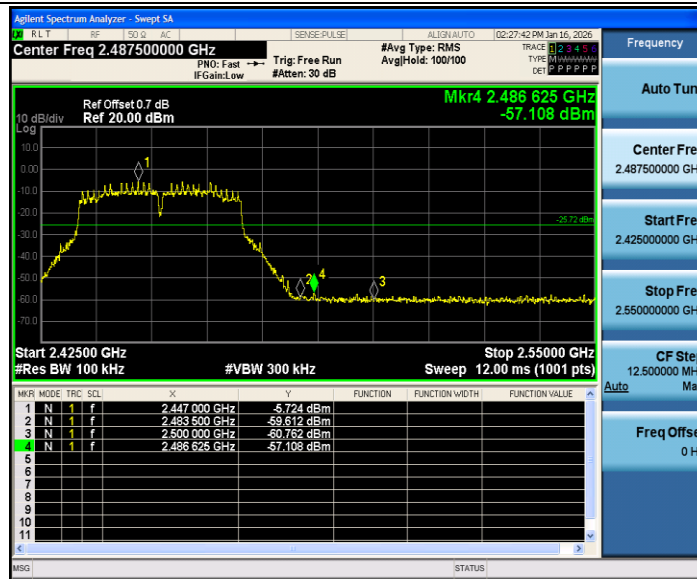
11N20SISO_Ant1_High_2462



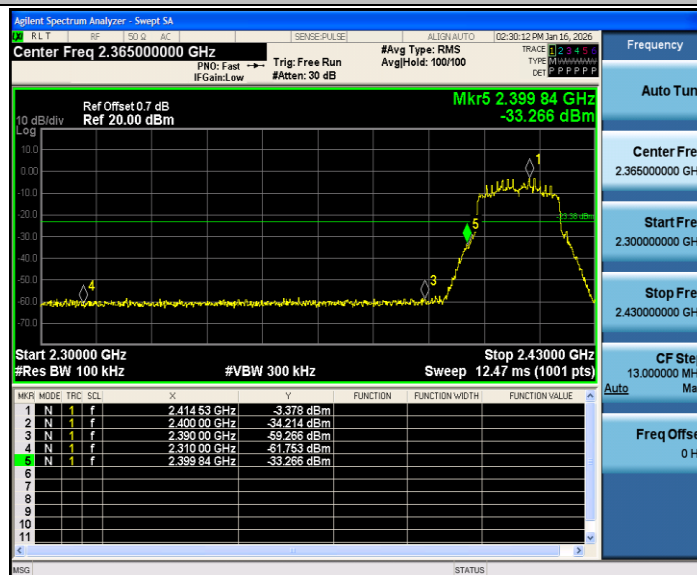
11N40SISO_Ant1_Low_2422



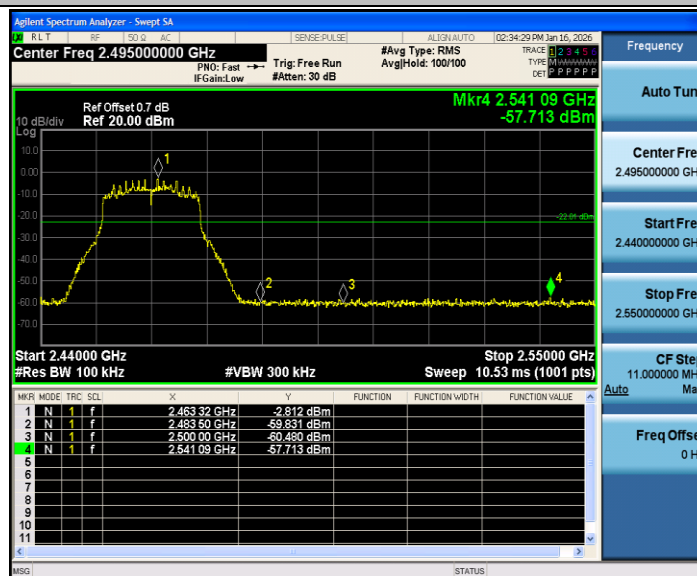
11N40SISO_Ant1_High_2452



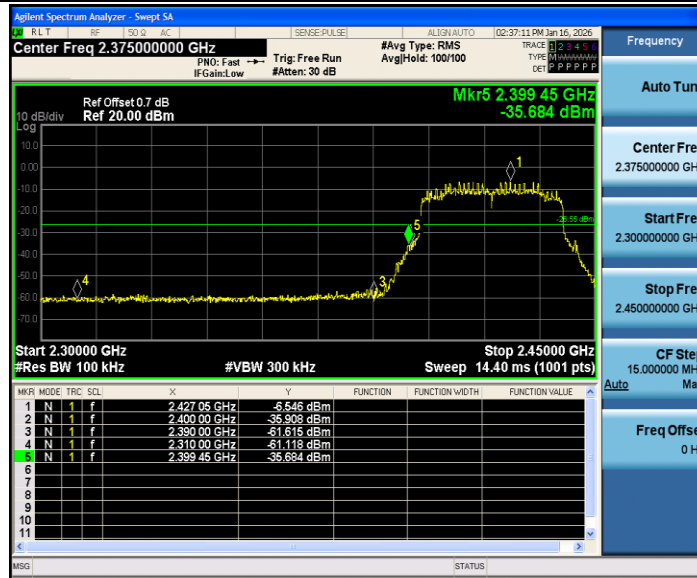
11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452

