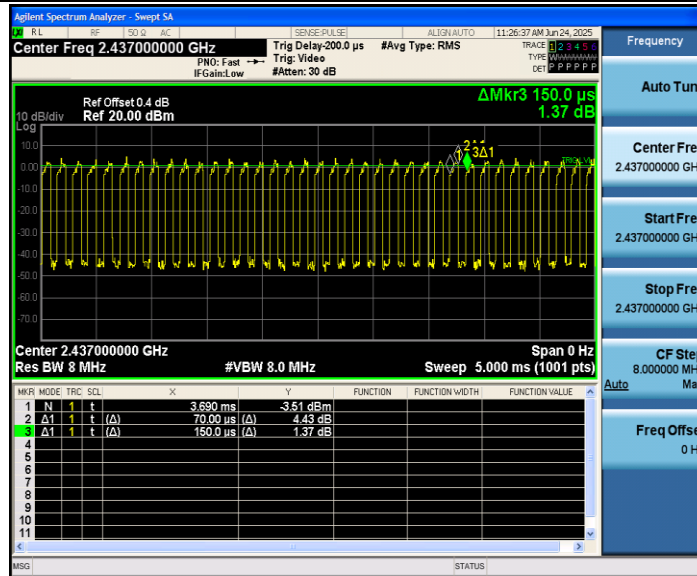
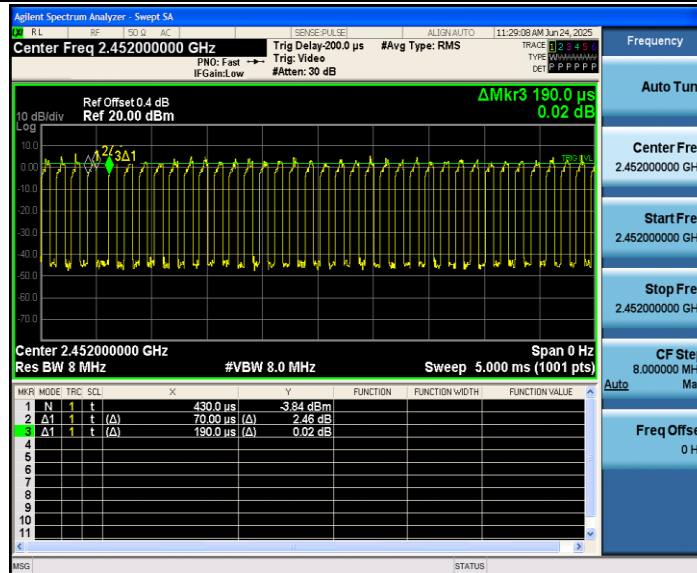


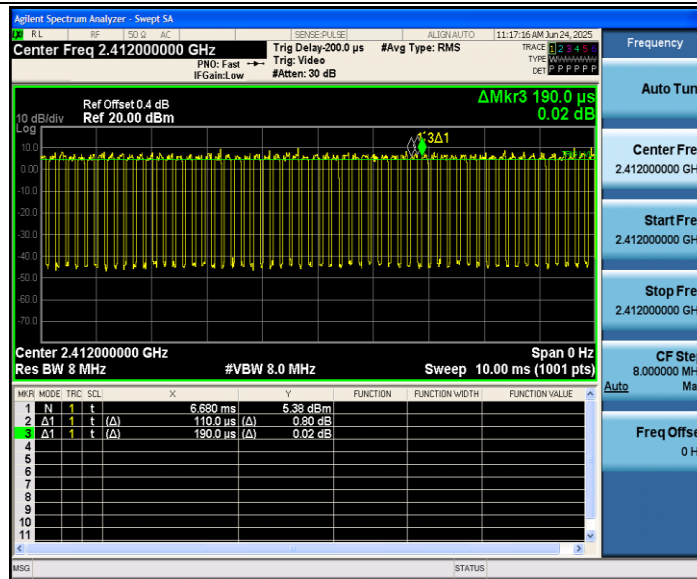
11N40SISO_Ant1_2437



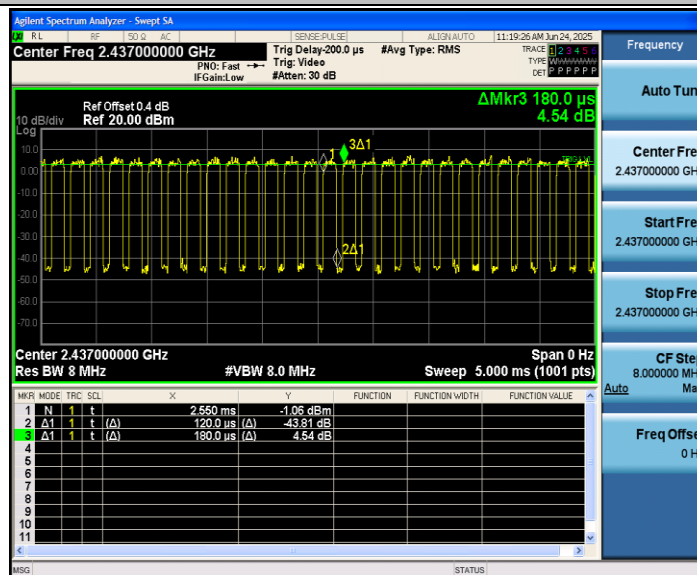
11N40SISO_Ant1_2452



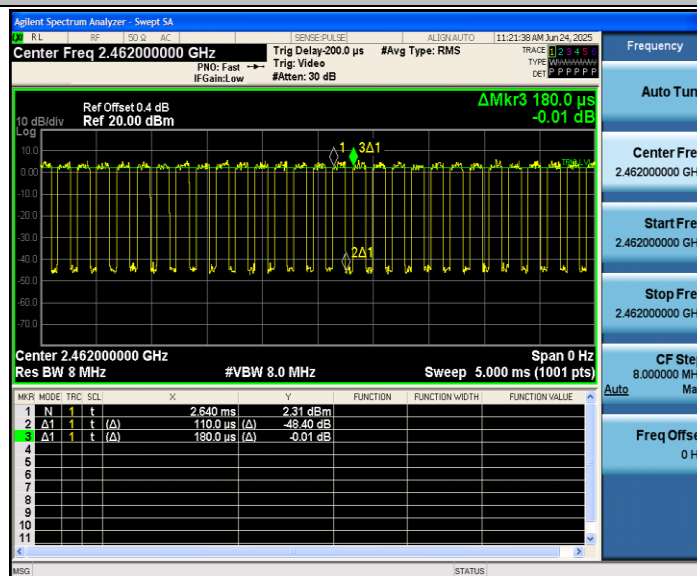
11AX20SISO_Ant1_2412



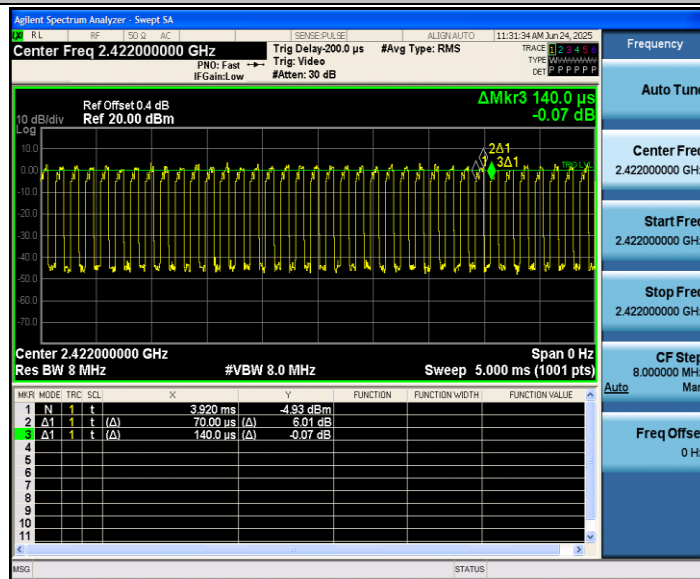
11AX20SISO_Ant1_2437



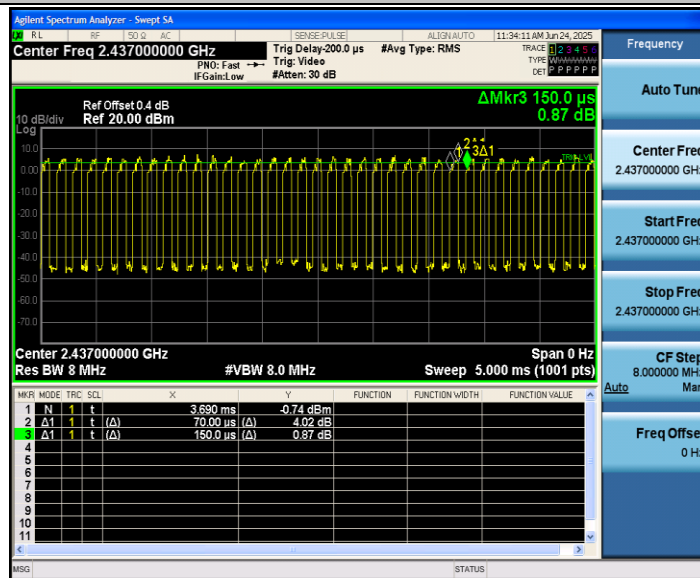
11AX20SISO_Ant1_2462



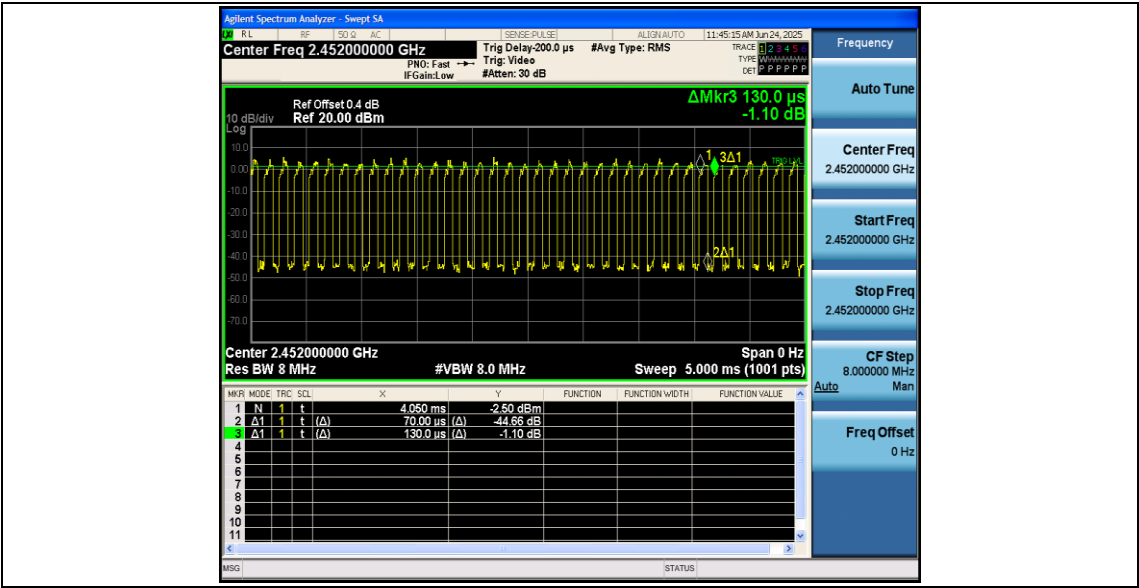
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BVLR-AIC-K156

Company : Shanghai AICSHTER Intelligent Technology Co.,Ltd.

EUT : Rugged Notebook computer

Model Number : AIC-K156

Report No. : CTA25061701002

Reviewed By : Eric Wang

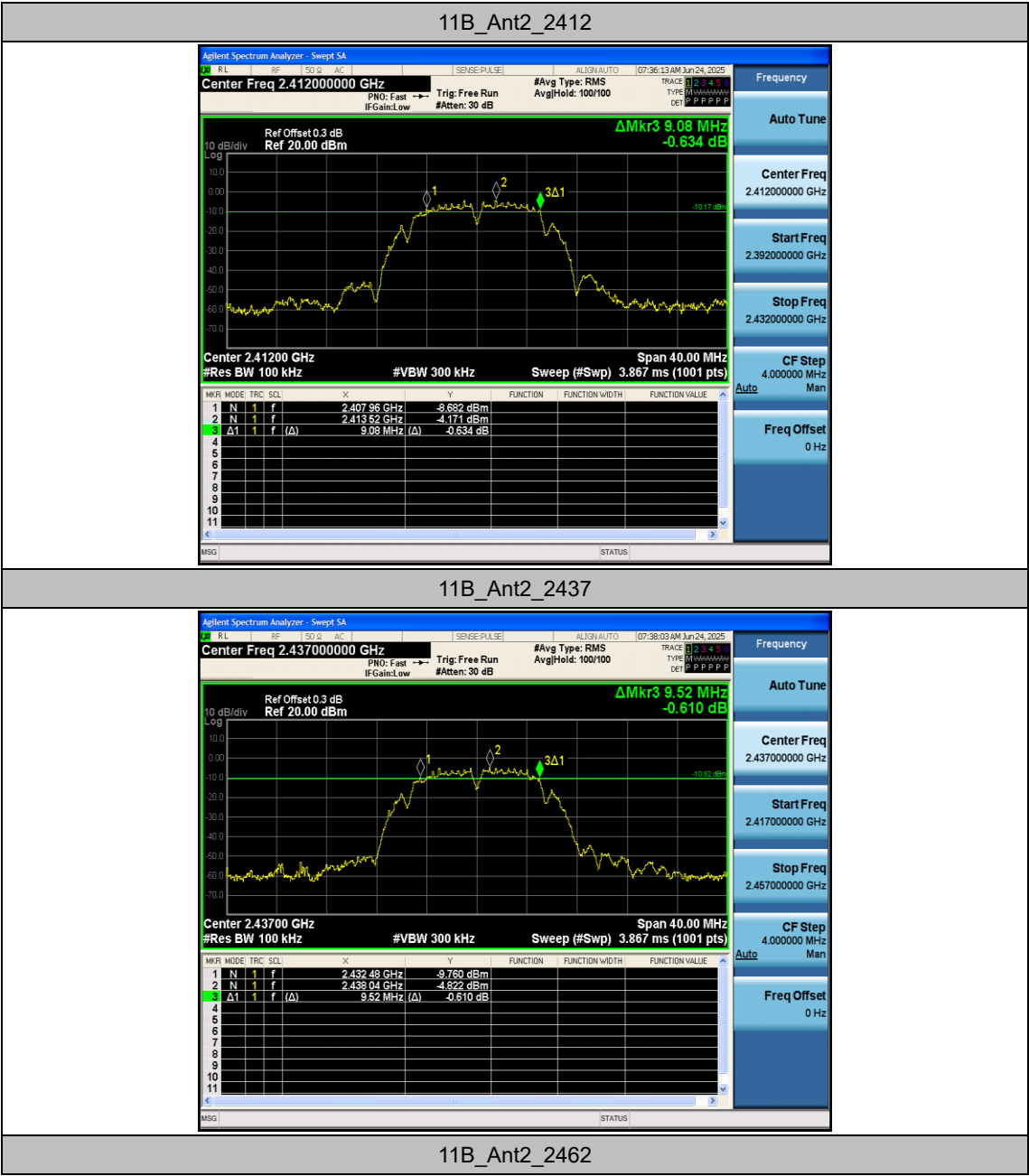
Appendix RF Test Data for 2.4GWIFI ANT2

Appendix A: DTS Bandwidth

Test Result

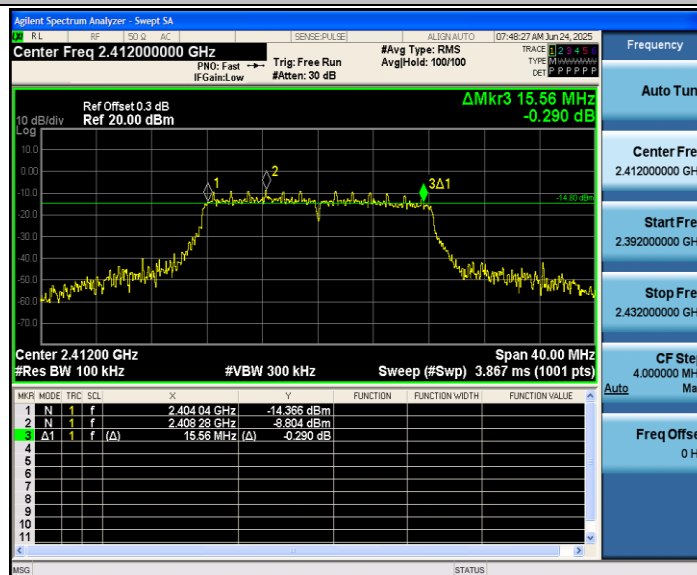
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	9.080	2407.960	2417.040	0.5	PASS
		2437	9.520	2432.480	2442.000	0.5	PASS
		2462	9.160	2457.480	2466.640	0.5	PASS
11G	Ant2	2412	15.560	2404.040	2419.600	0.5	PASS
		2437	15.480	2429.440	2444.920	0.5	PASS
		2462	15.680	2453.880	2469.560	0.5	PASS
11N20SISO	Ant2	2412	15.920	2403.680	2419.600	0.5	PASS
		2437	16.200	2429.440	2445.640	0.5	PASS
		2462	16.280	2453.240	2469.520	0.5	PASS
11N40SISO	Ant2	2422	35.680	2404.240	2439.920	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	30.000	2434.480	2464.480	0.5	PASS
11AX20SISO	Ant2	2412	16.480	2403.480	2419.960	0.5	PASS
		2437	16.080	2429.440	2445.520	0.5	PASS
		2462	16.160	2453.400	2469.560	0.5	PASS
11AX40SISO	Ant2	2422	35.920	2404.080	2440.000	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	30.000	2434.480	2464.480	0.5	PASS

Test Graphs

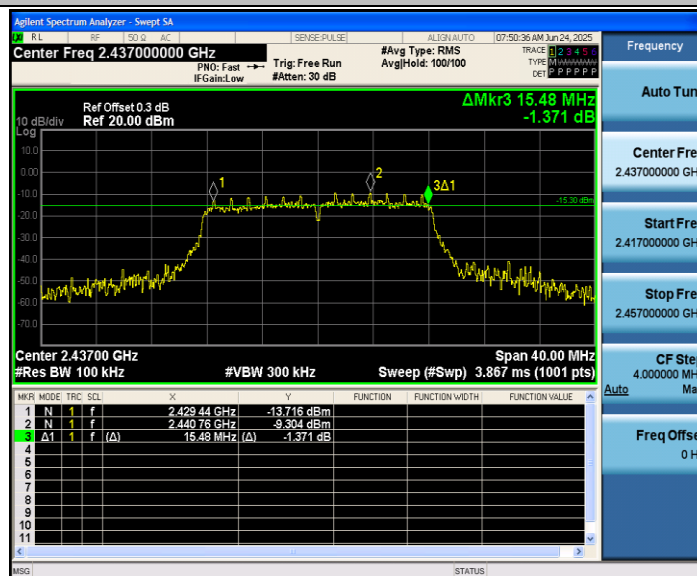




11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



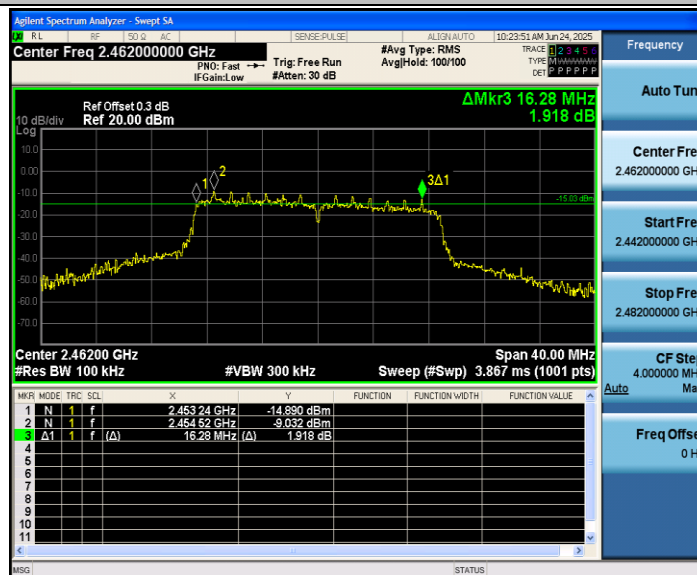
11N20SISO_Ant2_2412



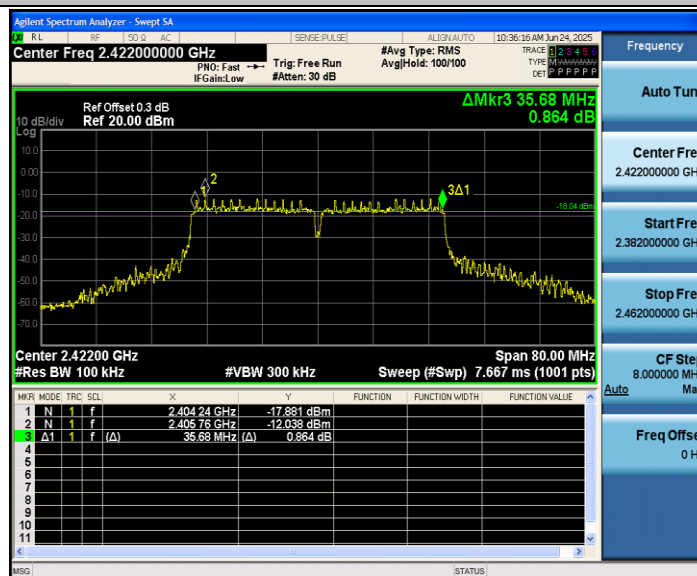
11N20SISO_Ant2_2437



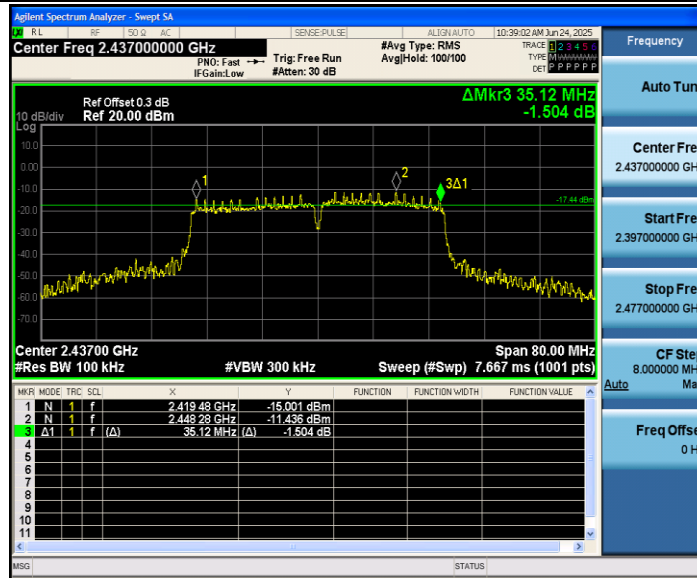
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



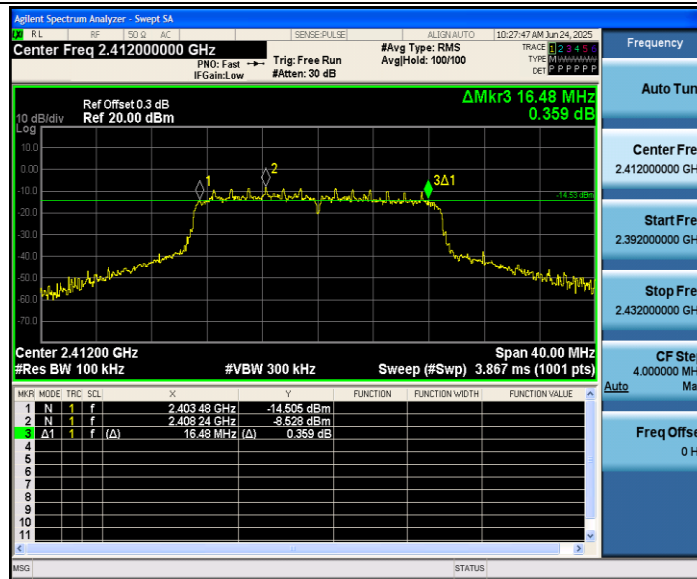
11N40SISO_Ant2_2437



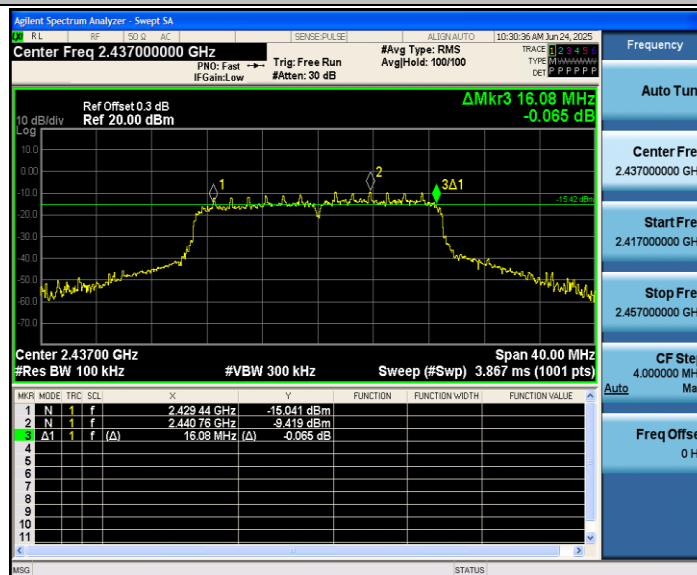
11N40SISO_Ant2_2452



11AX20SISO_Ant2_2412



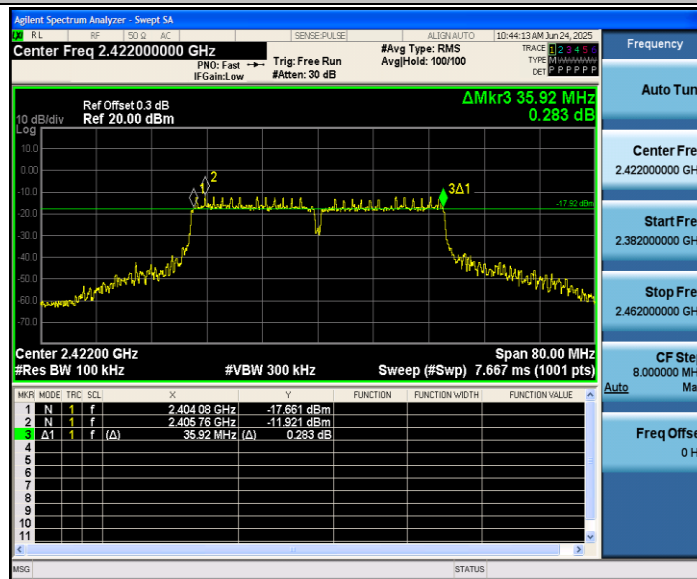
11AX20SISO_Ant2_2437



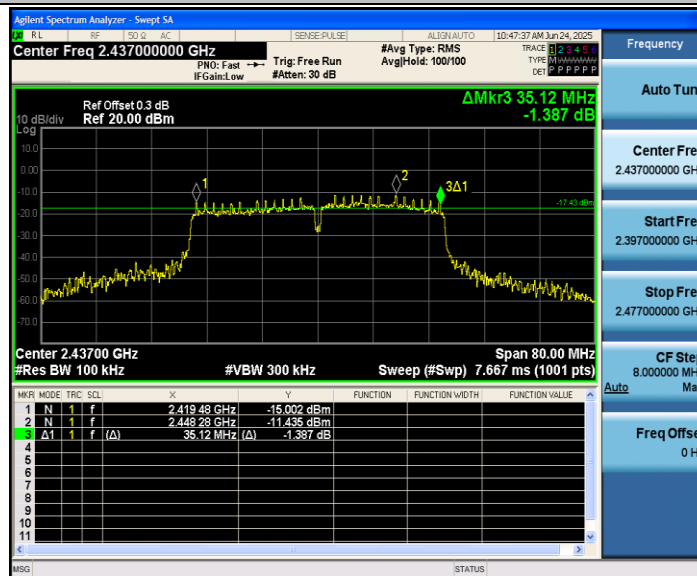
11AX20SISO_Ant2_2462



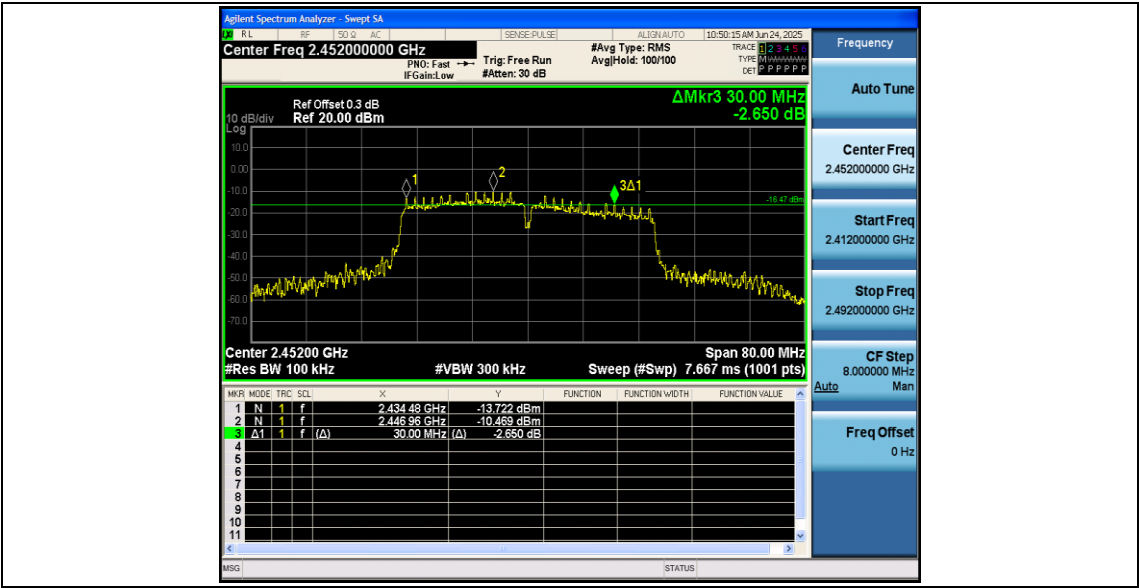
11AX40SISO_Ant2_2422



11AX40SISO_Ant2_2437



11AX40SISO_Ant2_2452



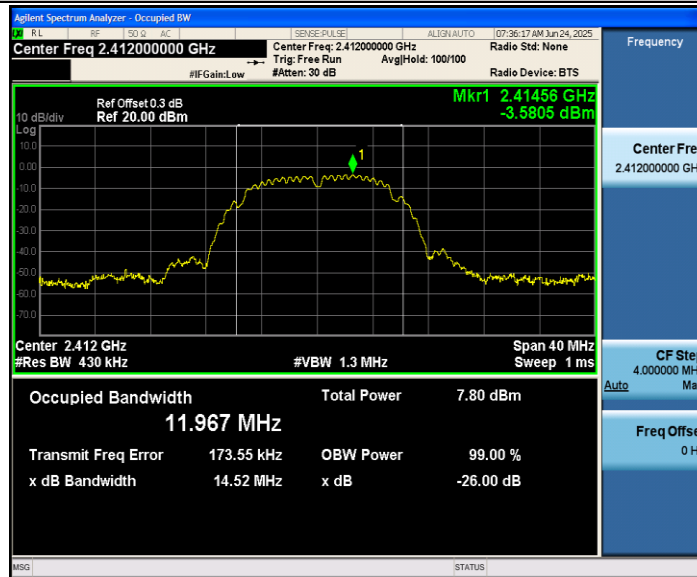
Appendix B: Occupied Channel Bandwidth

Test Result

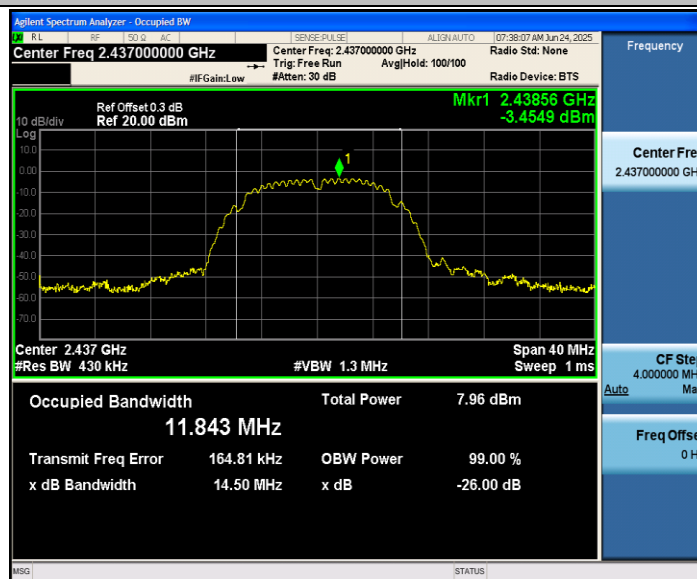
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	11.967	2406.1901	2418.1571	---	---
		2437	11.843	2431.2433	2443.0863	---	---
		2462	11.990	2456.1551	2468.1451	---	---
11G	Ant2	2412	16.611	2403.6757	2420.2867	---	---
		2437	16.613	2428.8348	2445.4478	---	---
		2462	16.738	2453.4894	2470.2274	---	---
11N20SISO	Ant2	2412	17.616	2403.1926	2420.8086	---	---
		2437	17.665	2428.3036	2445.9686	---	---
		2462	17.832	2452.9000	2470.7320	---	---
11N40SISO	Ant2	2422	36.438	2403.9133	2440.3513	---	---
		2437	36.008	2419.0852	2455.0932	---	---
		2452	35.780	2433.9699	2469.7499	---	---
11AX20SISO	Ant2	2412	17.635	2403.1870	2420.8220	---	---
		2437	17.626	2428.3207	2445.9467	---	---
		2462	17.818	2452.9351	2470.7531	---	---
11AX40SISO	Ant2	2422	36.540	2403.9142	2440.4542	---	---
		2437	36.036	2419.0872	2455.1232	---	---
		2452	35.792	2433.9886	2469.7806	---	---

Test Graphs

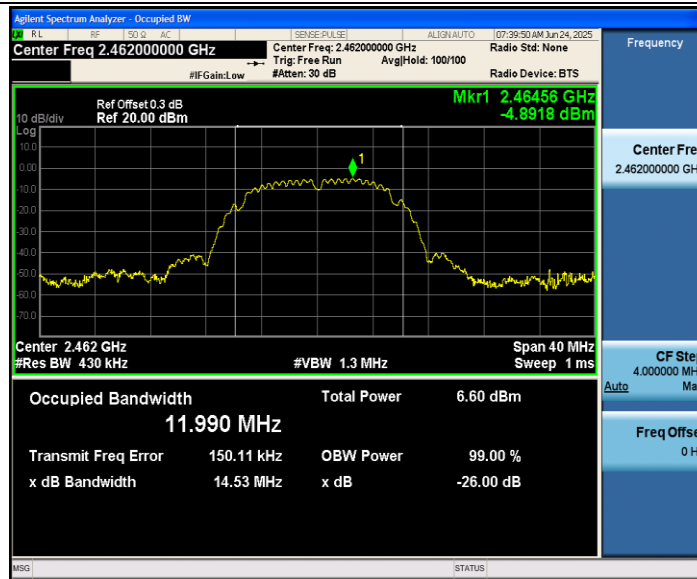
11B_Ant2_2412



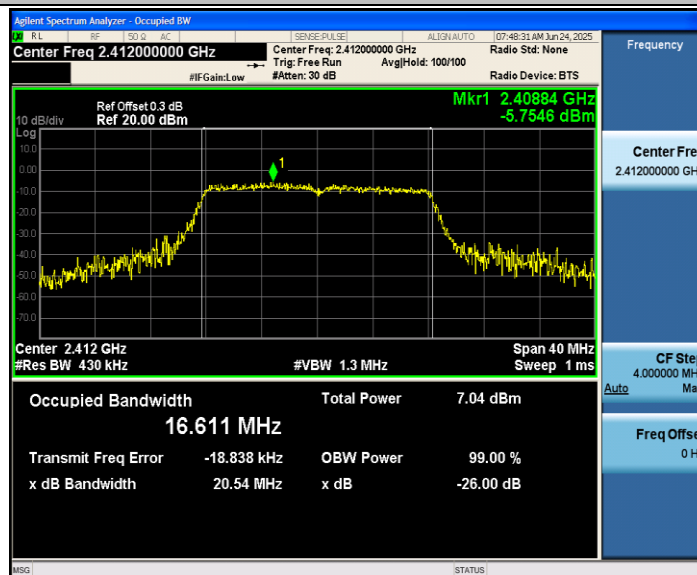
11B_Ant2_2437



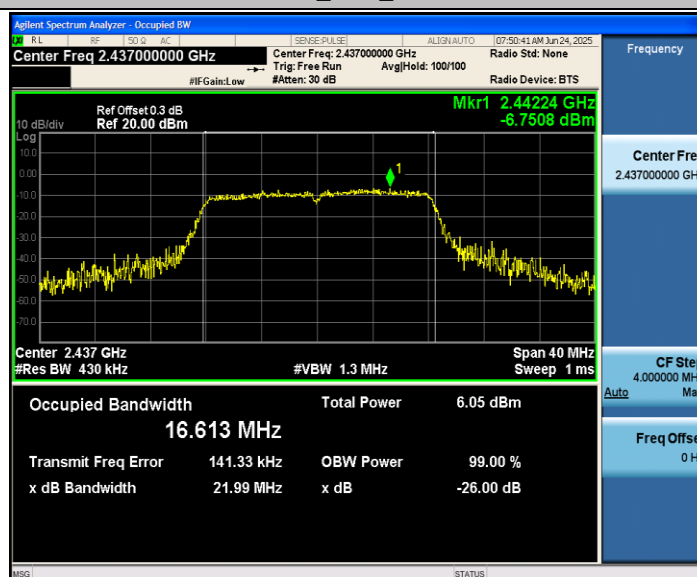
11B_Ant2_2462



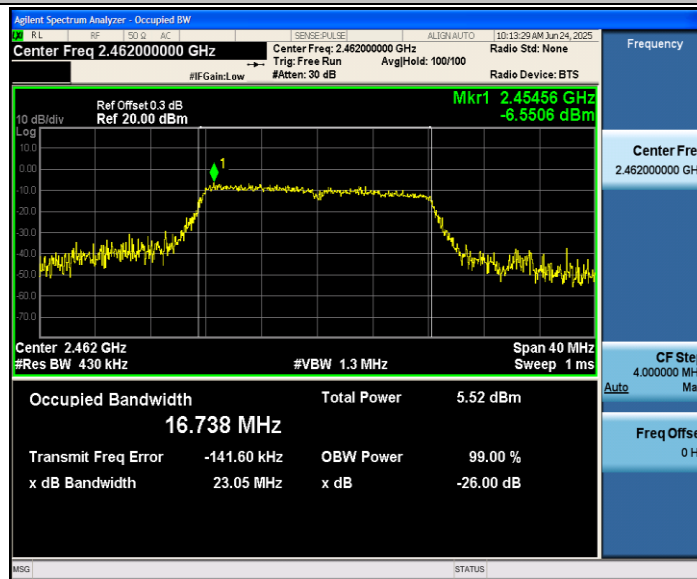
11G_Ant2_2412



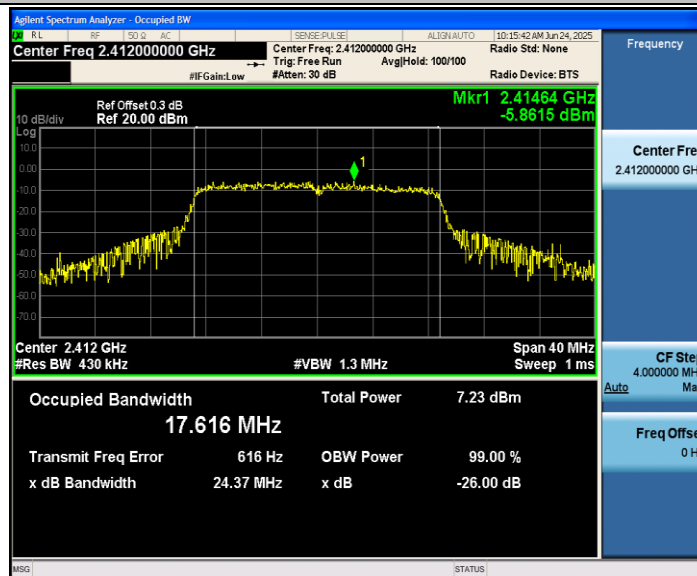
11G_Ant2_2437



11G_Ant2_2462



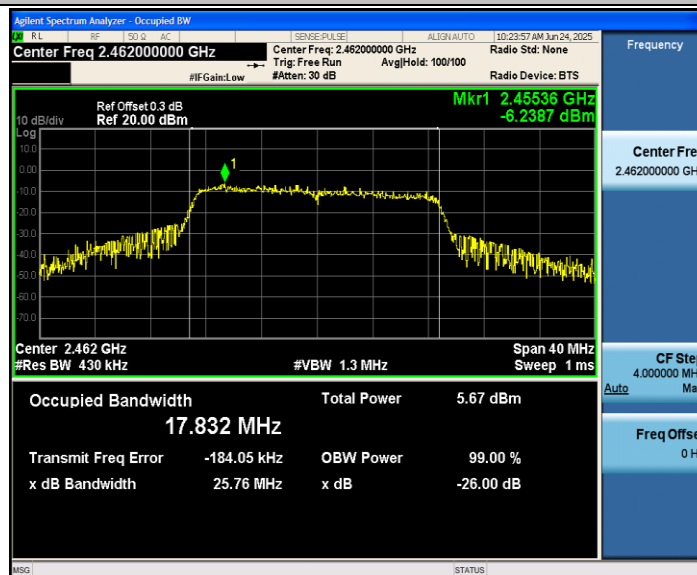
11N20SISO_Ant2_2412



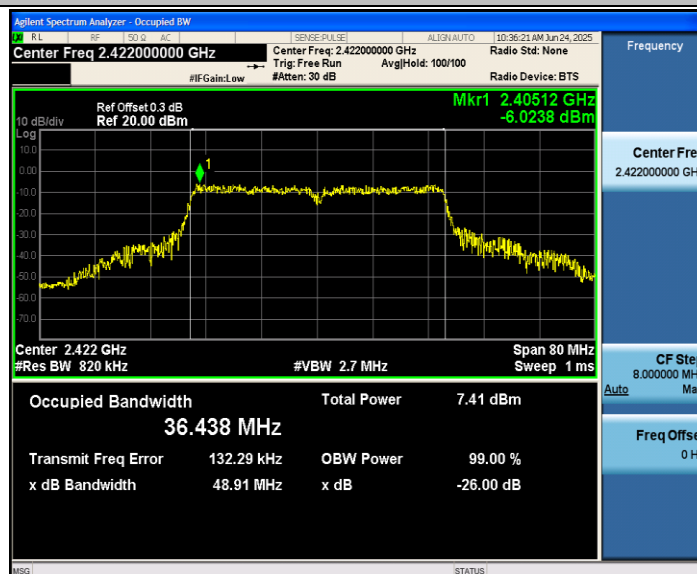
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



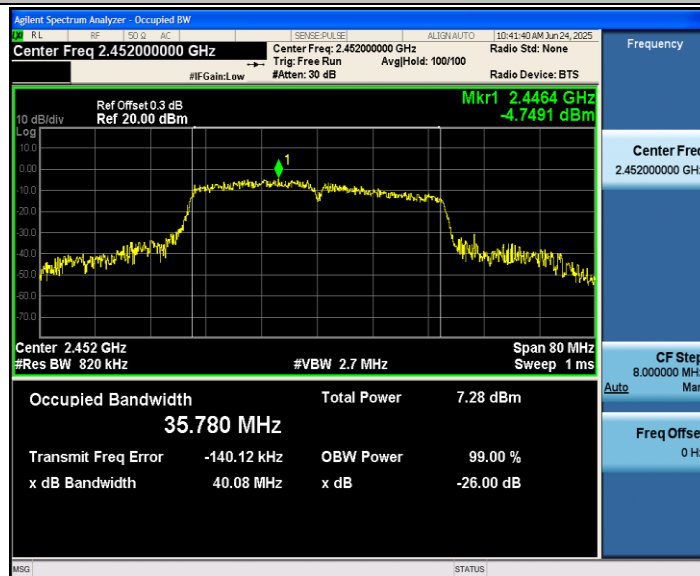
11N40SISO_Ant2_2422



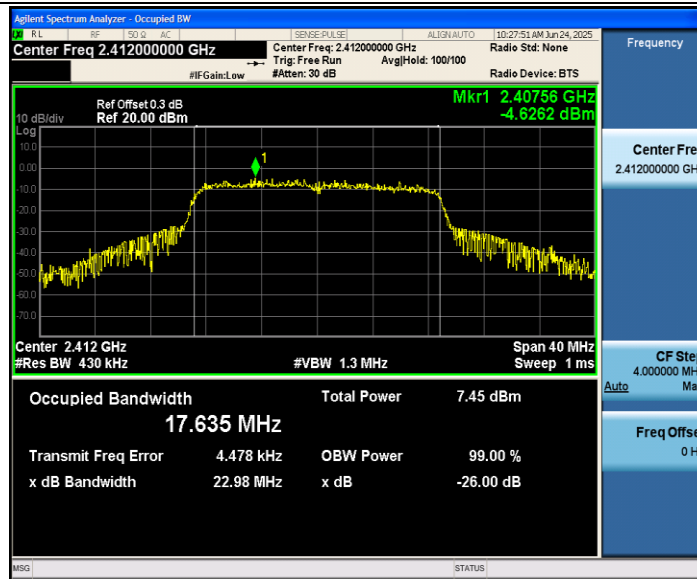
11N40SISO_Ant2_2437



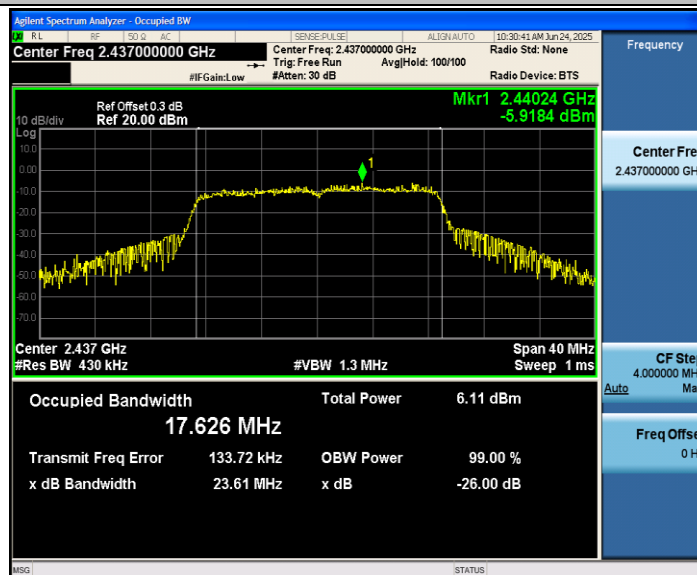
11N40SISO_Ant2_2452



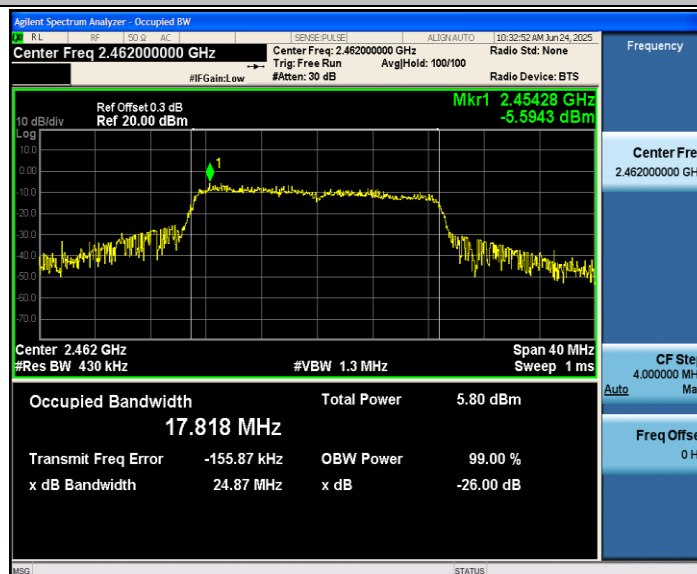
11AX20SISO_Ant2_2412



11AX20ISO_Ant2_2437



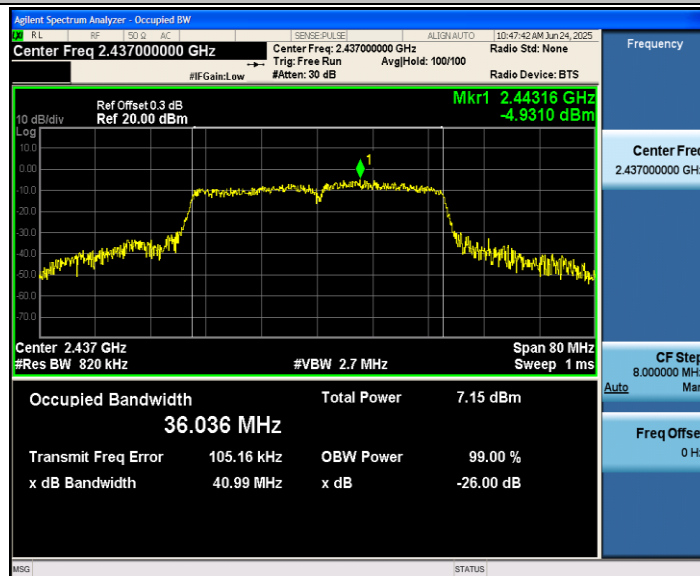
11AX20ISO_Ant2_2462



11AX40SISO_Ant2_2422



11AX40SISO_Ant2_2437



11AX40SISO_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	5.58	≤30.00	PASS
		2437	5.89	≤30.00	PASS
		2462	5.41	≤30.00	PASS
11G	Ant2	2412	5.75	≤30.00	PASS
		2437	5.7	≤30.00	PASS
		2462	5.09	≤30.00	PASS
11N20SISO	Ant2	2412	5.84	≤30.00	PASS
		2437	5.55	≤30.00	PASS
		2462	5.42	≤30.00	PASS
11N40SISO	Ant2	2422	5.46	≤30.00	PASS
		2437	5.29	≤30.00	PASS
		2452	5.14	≤30.00	PASS
11AX20SISO	Ant2	2412	5.08	≤30.00	PASS
		2437	5.86	≤30.00	PASS
		2462	6.21	≤30.00	PASS
11AX40SISO	Ant2	2422	5.69	≤30.00	PASS
		2437	5.24	≤30.00	PASS
		2452	5.26	≤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	-18.61	≤8.00	PASS
		2437	-17.54	≤8.00	PASS
		2462	-19.92	≤8.00	PASS
11G	Ant2	2412	-24.07	≤8.00	PASS
		2437	-25.12	≤8.00	PASS
		2462	-25.39	≤8.00	PASS
11N20SISO	Ant2	2412	-24.30	≤8.00	PASS
		2437	-24.43	≤8.00	PASS
		2462	-25.02	≤8.00	PASS
11N40SISO	Ant2	2422	-26.59	≤8.00	PASS
		2437	-25.55	≤8.00	PASS
		2452	-24.87	≤8.00	PASS
11AX20SISO	Ant2	2412	-23.48	≤8.00	PASS
		2437	-23.82	≤8.00	PASS
		2462	-23.57	≤8.00	PASS
11AX40SISO	Ant2	2422	-26.38	≤8.00	PASS
		2437	-25.94	≤8.00	PASS
		2452	-25.39	≤8.00	PASS

Test Graphs

11B_Ant2_2412



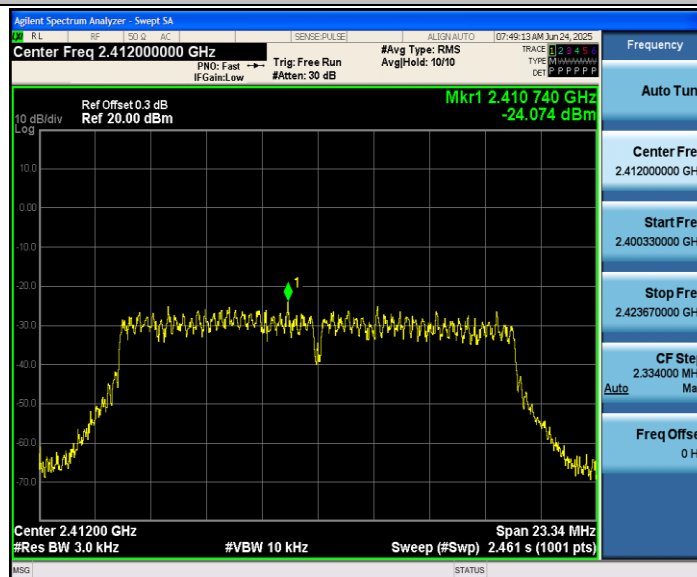
11B_Ant2_2437



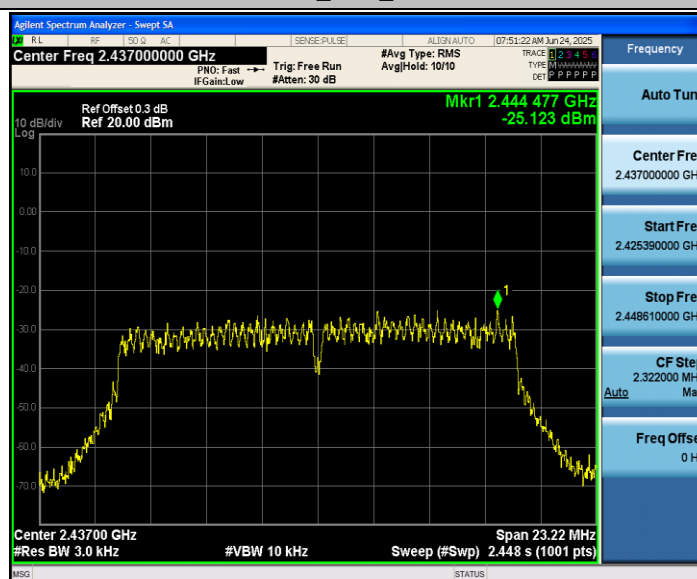
11B_Ant2_2462



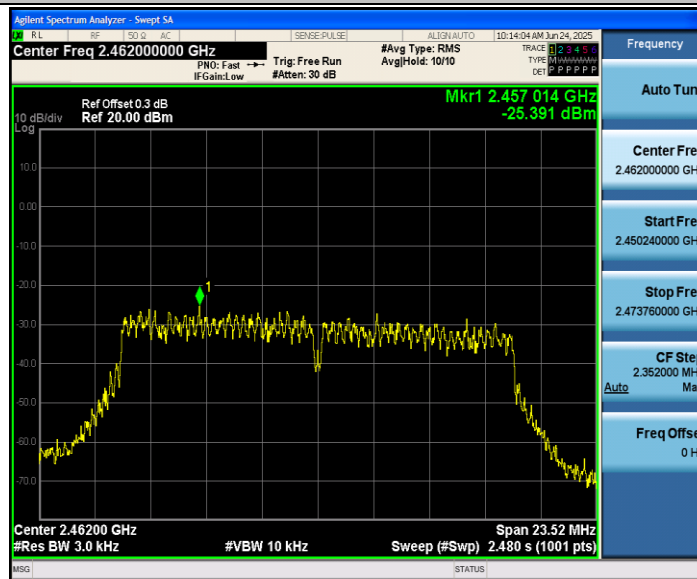
11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



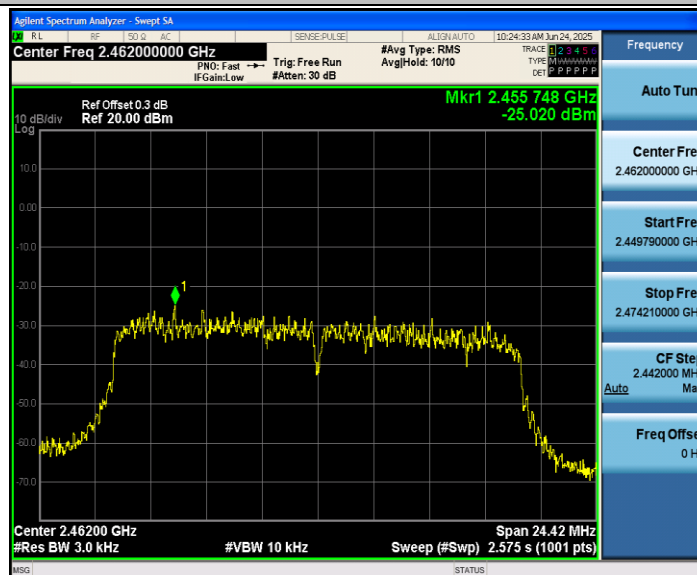
11N20SISO_Ant2_2412



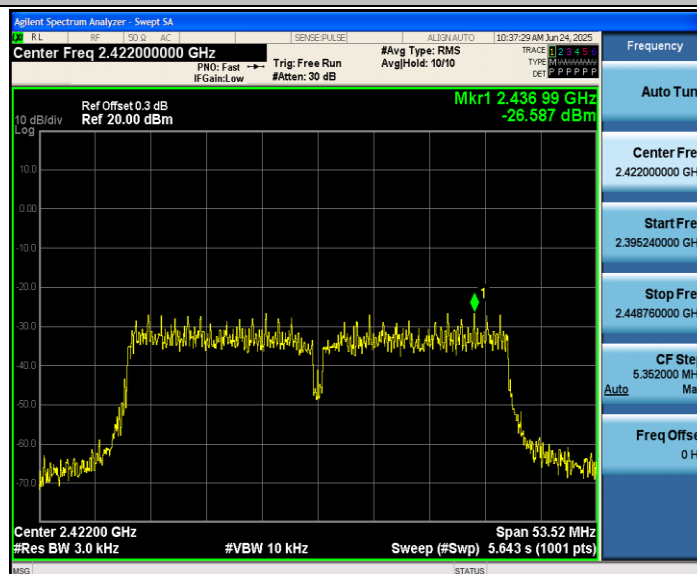
11N20SISO_Ant2_2437



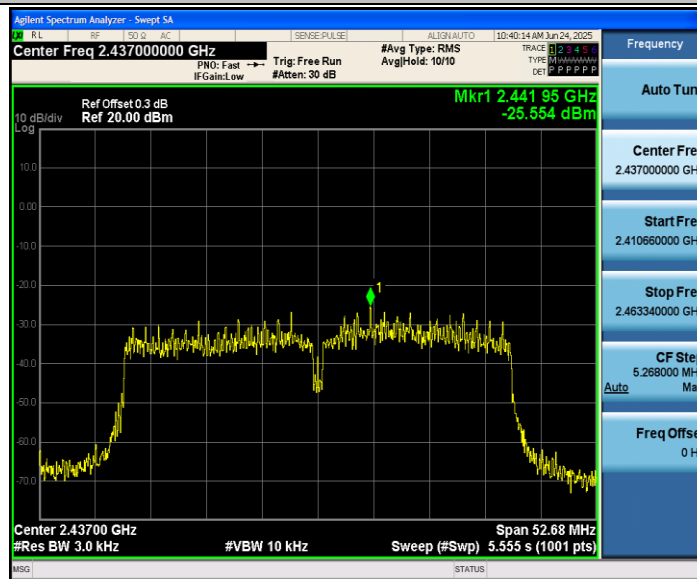
11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



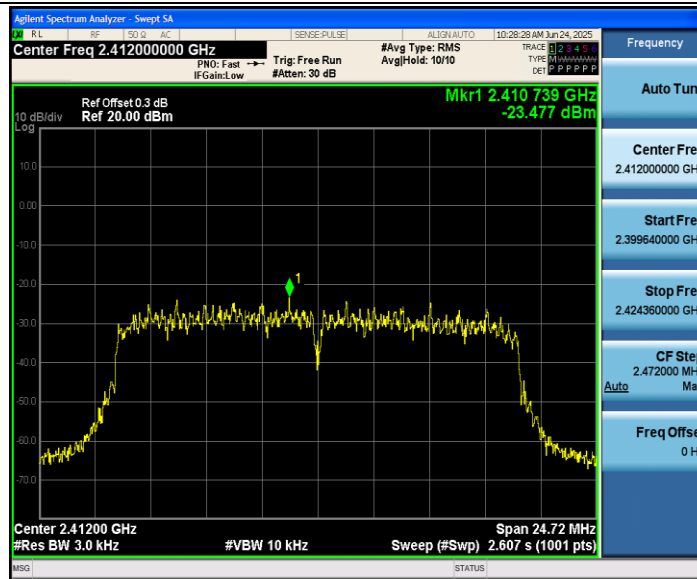
11N40SISO_Ant2_2437



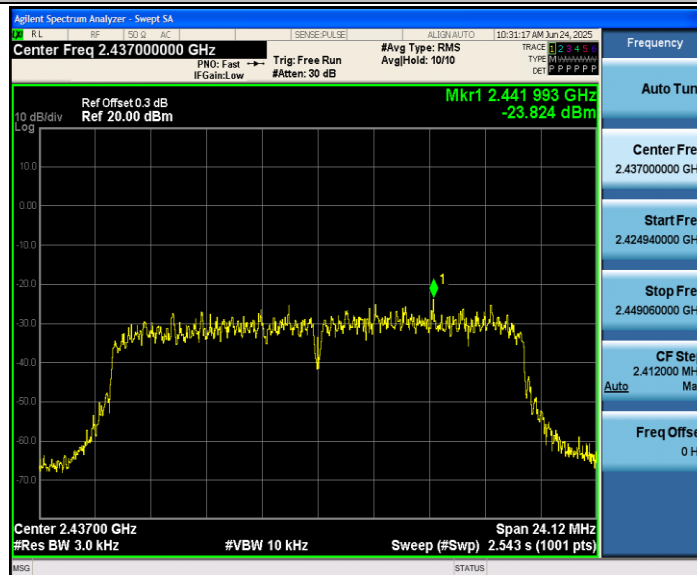
11N40SISO_Ant2_2452



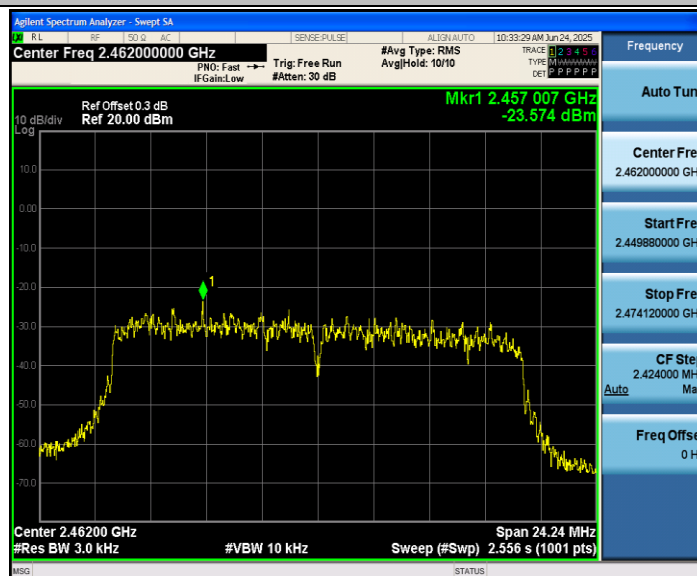
11AX20SISO_Ant2_2412



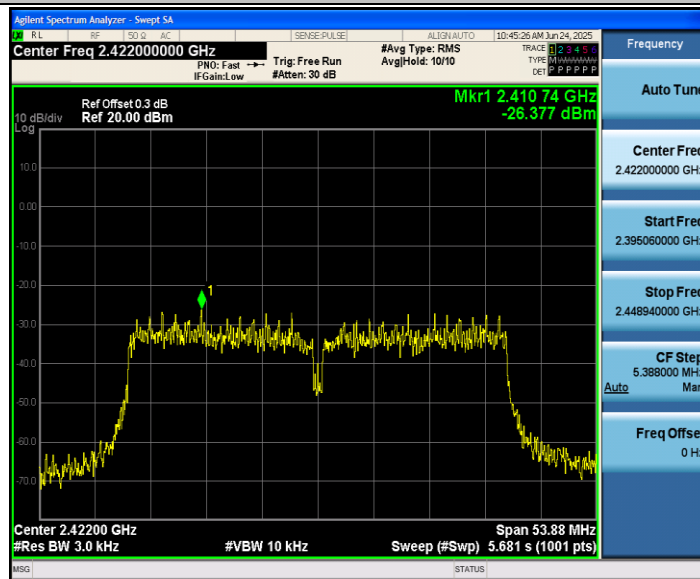
11AX20SISO_Ant2_2437



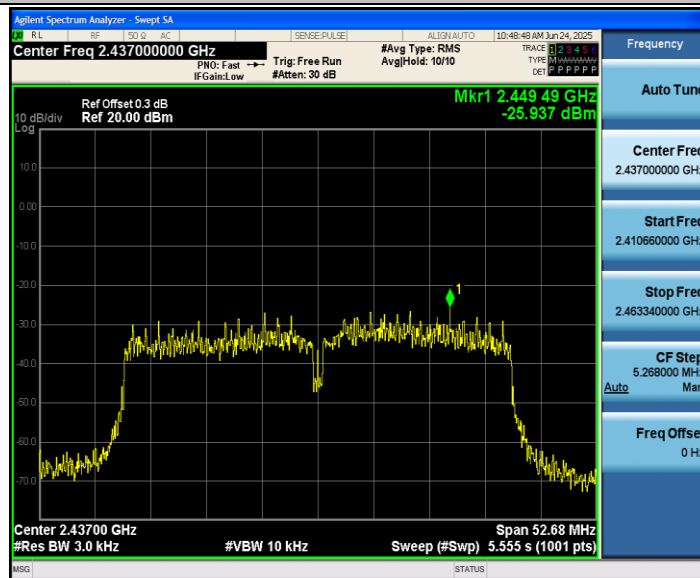
11AX20SISO_Ant2_2462



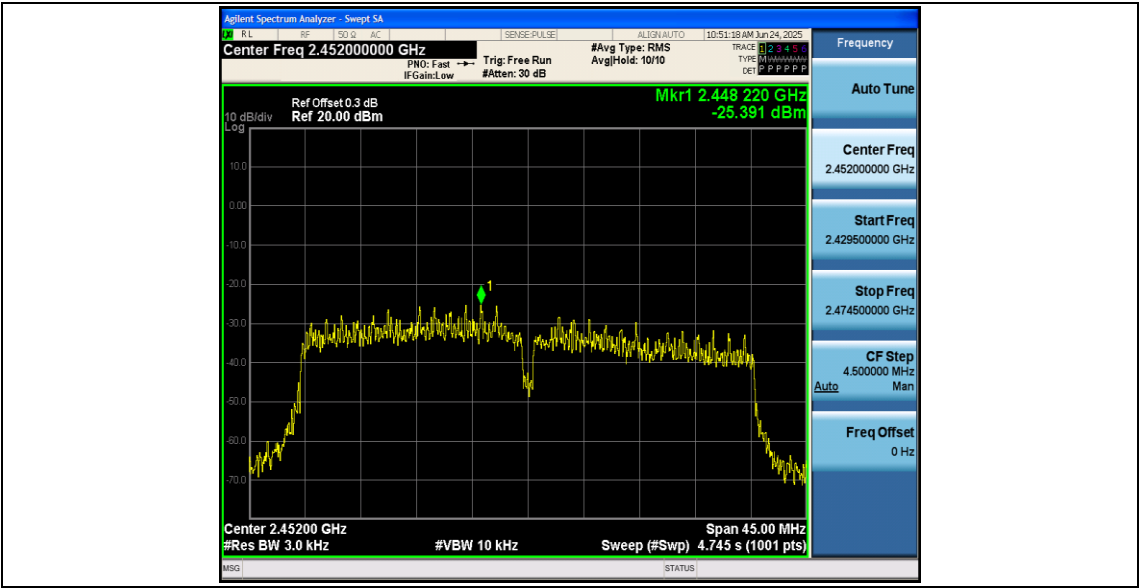
11AX40SISO_Ant2_2422



11AX40SISO_Ant2_2437



11AX40SISO_Ant2_2452



Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	-3.58	-52.14	≤-23.58	PASS
		High	2462	-5.60	-56	≤-25.6	PASS
11G	Ant2	Low	2412	-8.89	-42.55	≤-28.89	PASS
		High	2462	-9.17	-55.74	≤-29.17	PASS
11N20SISO	Ant2	Low	2412	-8.48	-42.5	≤-28.48	PASS
		High	2462	-9.05	-53.94	≤-29.05	PASS
11N40SISO	Ant2	Low	2422	-11.93	-42.79	≤-31.93	PASS
		High	2452	-10.52	-48.85	≤-30.52	PASS
11AX20SISO	Ant2	Low	2412	-8.50	-42.86	≤-28.5	PASS
		High	2462	-9.16	-53.94	≤-29.16	PASS
11AX40SISO	Ant2	Low	2422	-12.00	-42.54	≤-32	PASS
		High	2452	-10.46	-47.51	≤-30.46	PASS

Test Graphs

