

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BXCE-L1

Company : Guangdong Yuetuo Internet Technology Co., Ltd

EUT : TV BOX

Model Number : L1

Report No. : CTA26062300703

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	2406.920	2417.120	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.600	2404.040	2419.640	0.5	PASS
		2437	15.720	2429.040	2444.760	0.5	PASS
		2462	15.440	2454.400	2469.840	0.5	PASS
11N20SISO	Ant1	2412	16.880	2403.400	2420.280	0.5	PASS
		2437	16.760	2428.680	2445.440	0.5	PASS
		2462	16.520	2453.840	2470.360	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.720	2440.160	0.5	PASS
		2437	35.280	2419.720	2455.000	0.5	PASS
		2452	35.440	2434.480	2469.920	0.5	PASS
11AX20SISO	Ant1	2412	18.200	2402.880	2421.080	0.5	PASS
		2437	18.560	2427.680	2446.240	0.5	PASS
		2462	18.160	2452.920	2471.080	0.5	PASS
11AX40SISO	Ant1	2422	36.080	2403.840	2439.920	0.5	PASS
		2437	34.960	2421.000	2455.960	0.5	PASS
		2452	37.040	2433.920	2470.960	0.5	PASS

Test Graphs

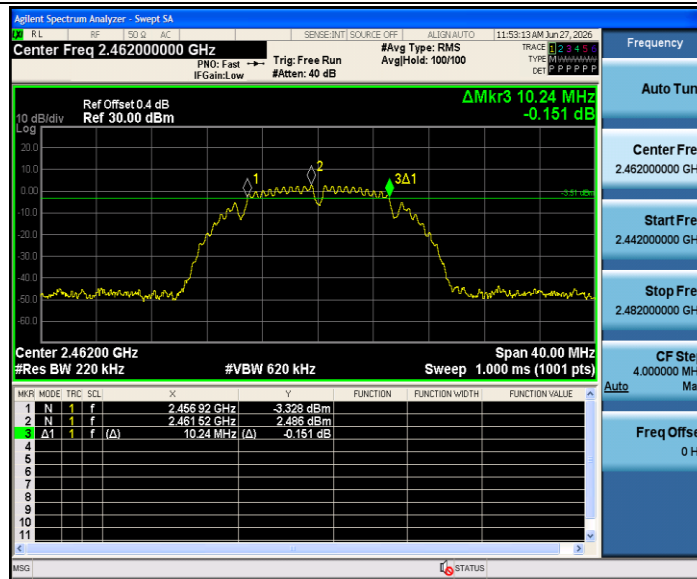
11B_Ant1_2412



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



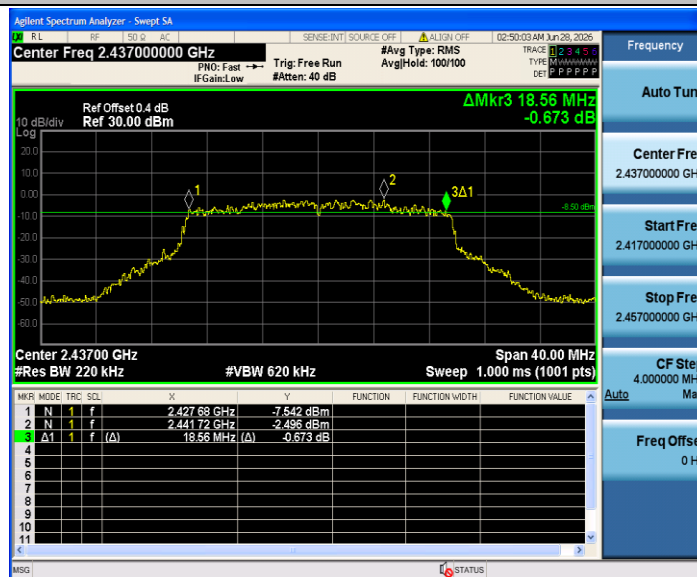
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



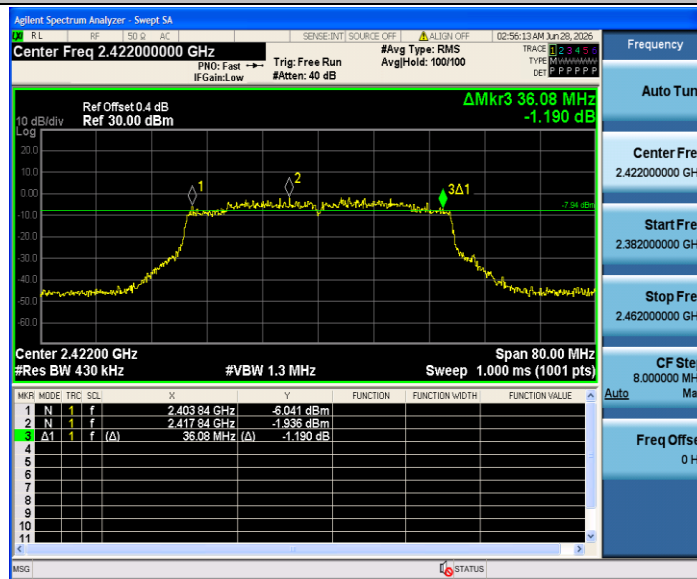
11AX20SISO_Ant1_2437



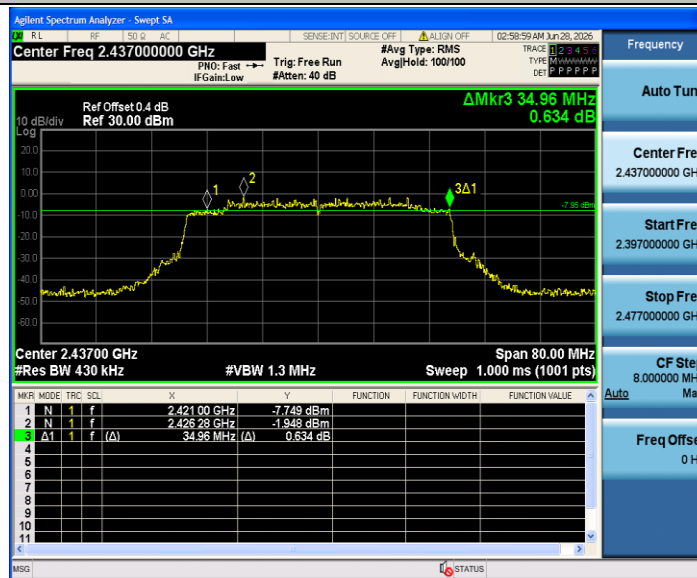
11AX20SISO_Ant1_2462



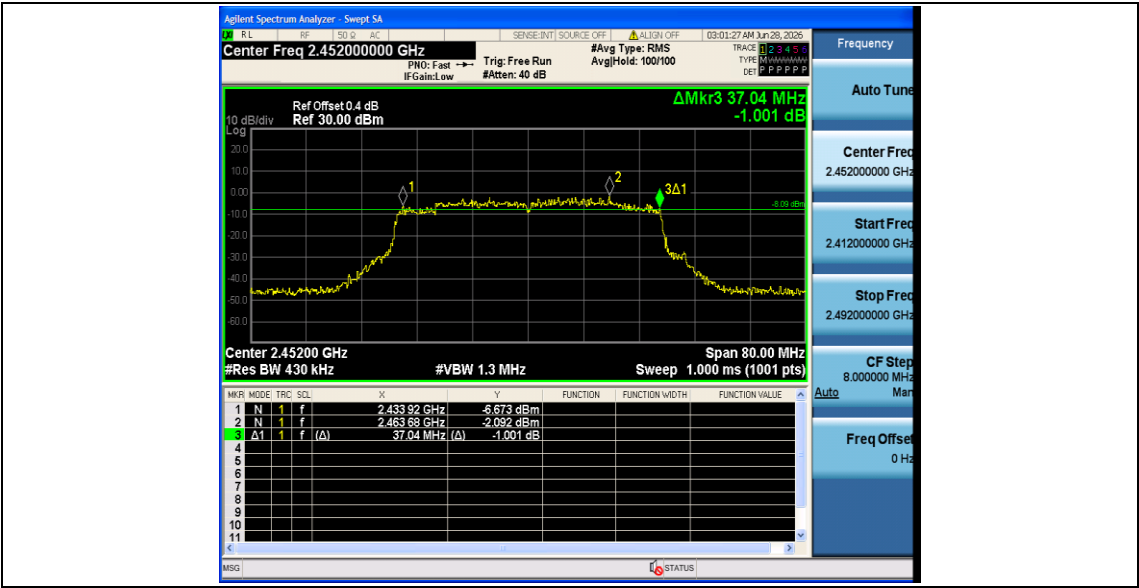
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



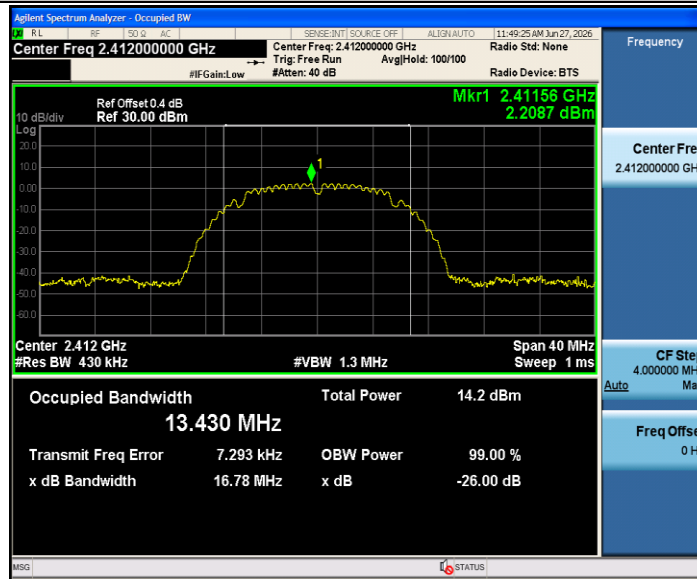
Appendix B: Occupied Channel Bandwidth

Test Result

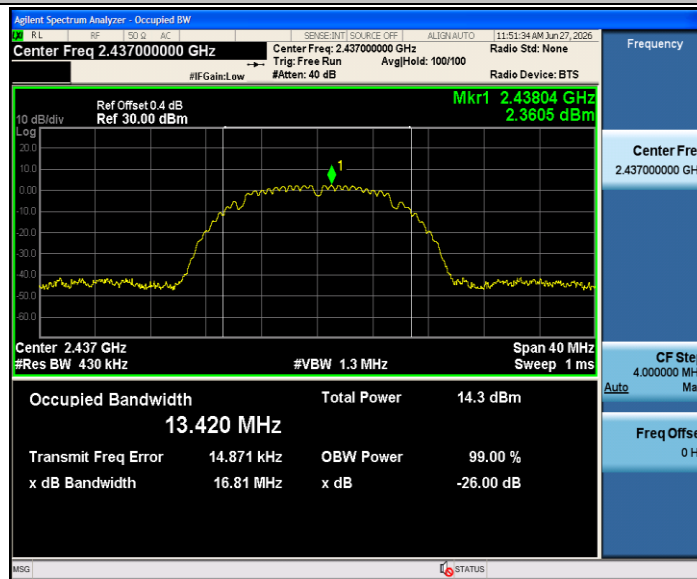
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.430	2405.2923	2418.7223	---	---
		2437	13.420	2430.3049	2443.7249	---	---
		2462	13.418	2455.3187	2468.7367	---	---
11G	Ant1	2412	16.820	2403.6010	2420.4210	---	---
		2437	16.830	2428.6219	2445.4519	---	---
		2462	16.823	2453.6375	2470.4605	---	---
11N20SISO	Ant1	2412	17.837	2403.0933	2420.9303	---	---
		2437	17.908	2428.0922	2446.0002	---	---
		2462	17.908	2453.0742	2470.9822	---	---
11N40SISO	Ant1	2422	36.049	2404.1080	2440.1570	---	---
		2437	36.075	2419.1035	2455.1785	---	---
		2452	36.040	2434.1489	2470.1889	---	---
11AX20SISO	Ant1	2412	18.952	2402.5270	2421.4790	---	---
		2437	18.949	2427.5697	2446.5187	---	---
		2462	18.950	2452.5810	2471.5310	---	---
11AX40SISO	Ant1	2422	37.599	2403.3578	2440.9568	---	---
		2437	37.563	2418.4103	2455.9733	---	---
		2452	37.511	2433.4242	2470.9352	---	---

Test Graphs

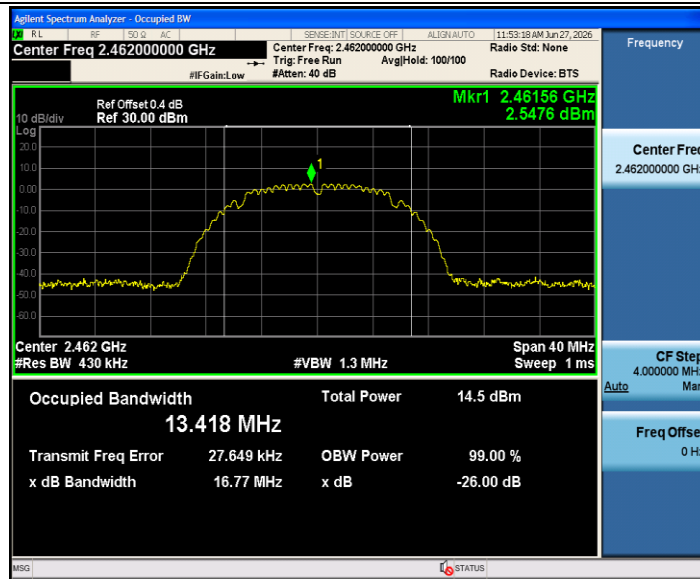
11B_Ant1_2412



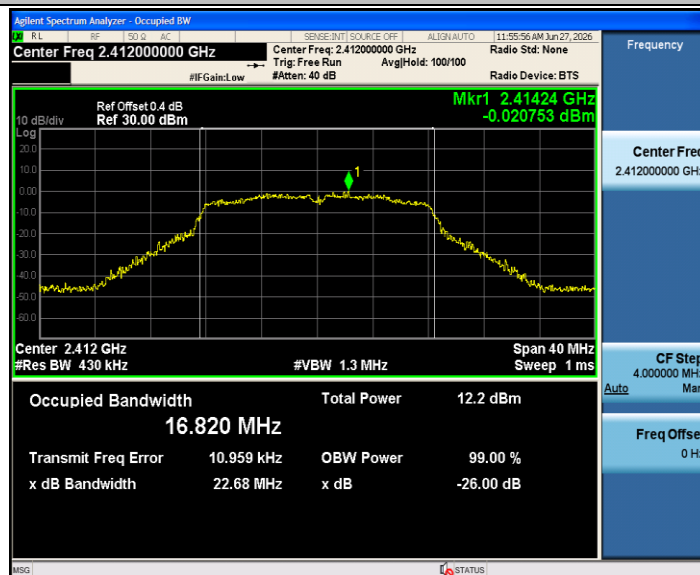
11B_Ant1_2437



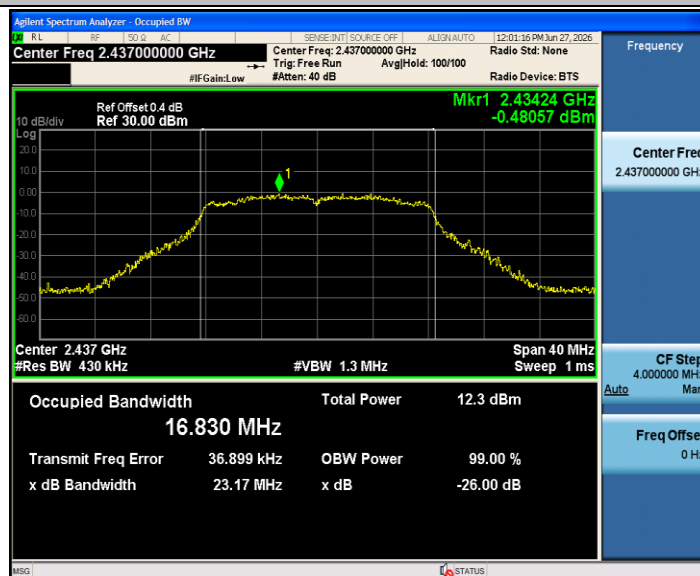
11B_Ant1_2462



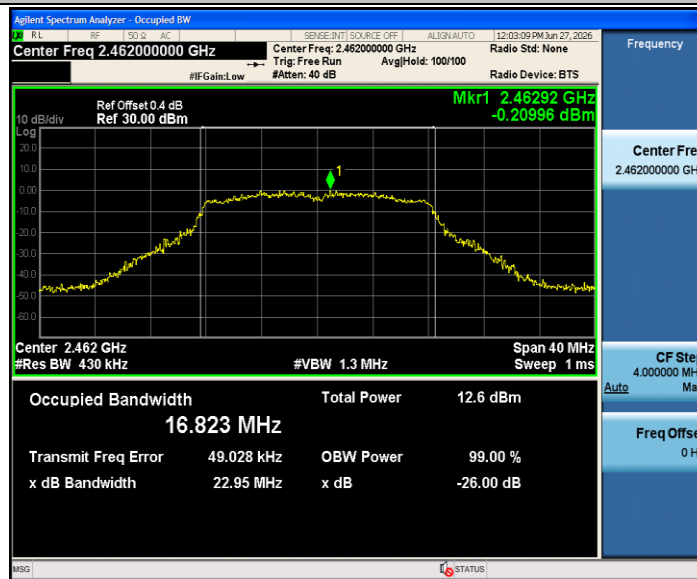
11G_Ant1_2412



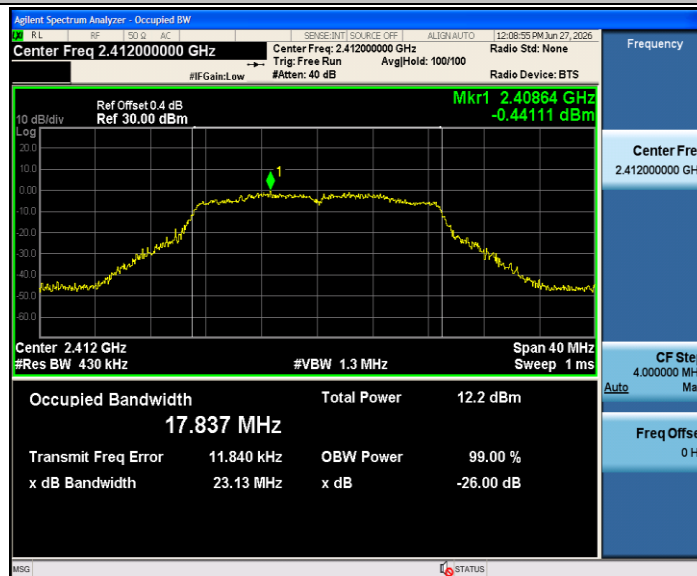
11G_Ant1_2437



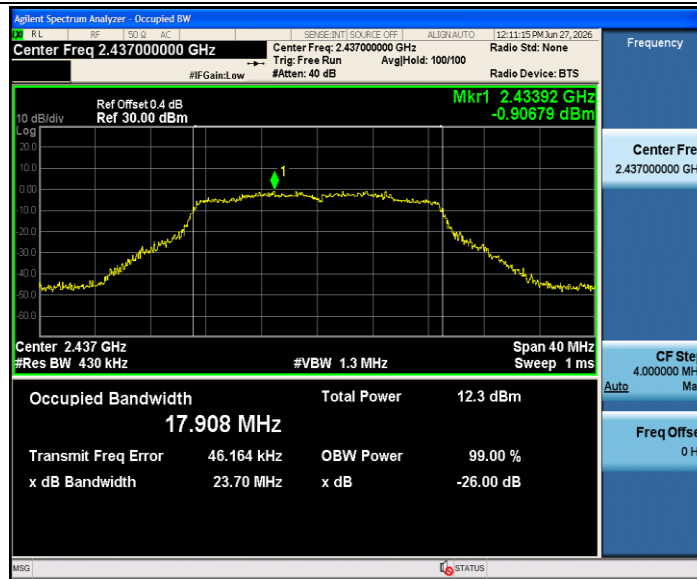
11G_Ant1_2462



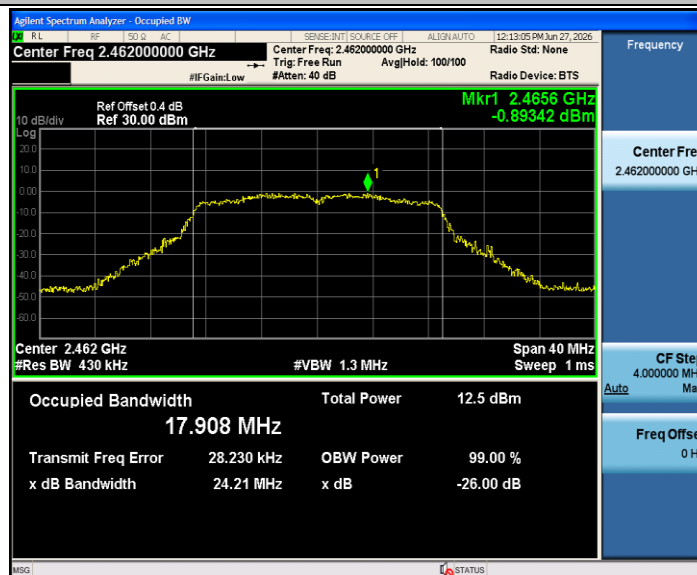
11N20SISO_Ant1_2412



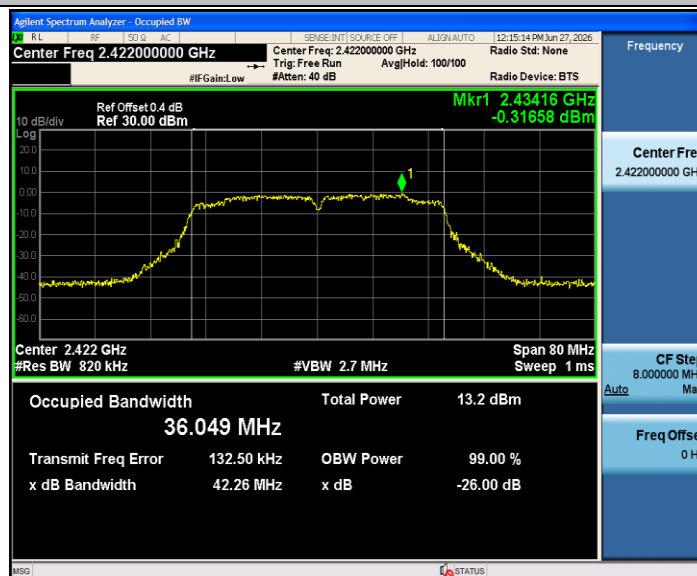
11N20SISO_Ant1_2437



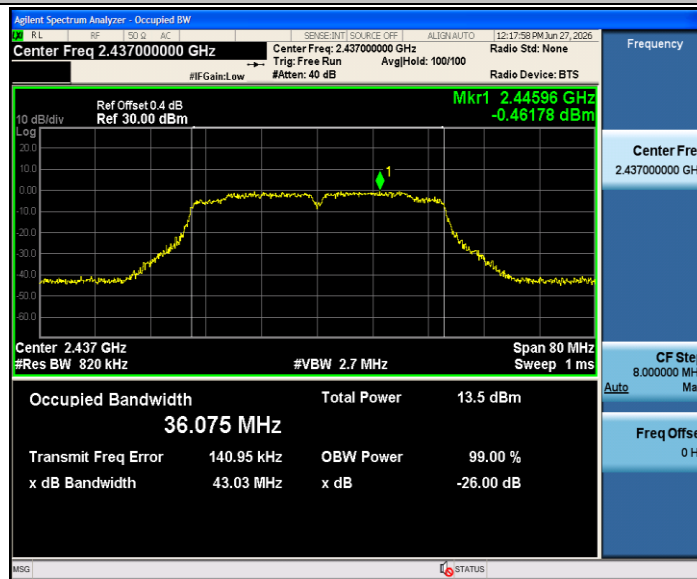
11N20SISO_Ant1_2462



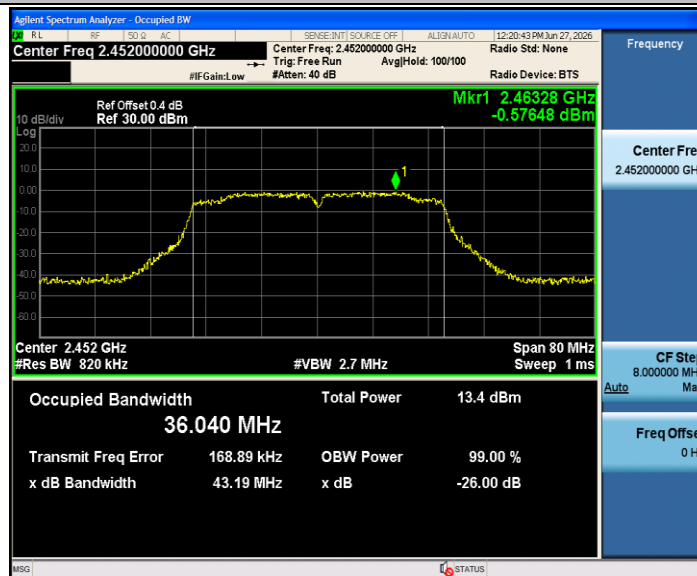
11N40SISO_Ant1_2422



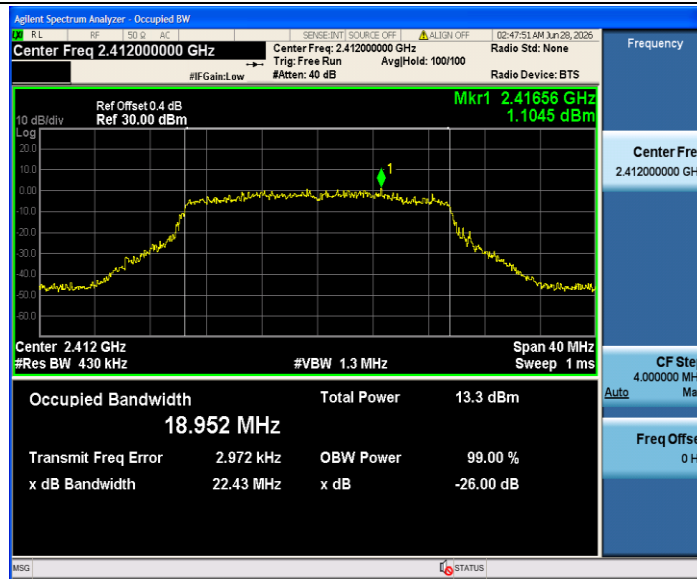
11N40SISO_Ant1_2437



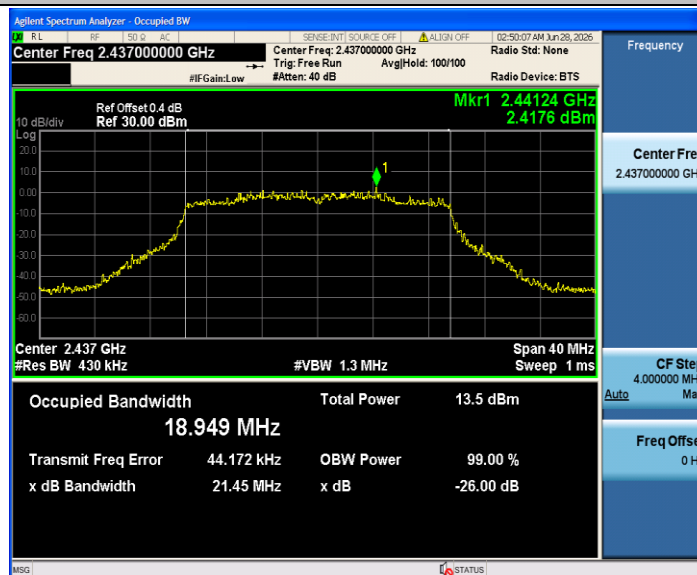
11N40SISO_Ant1_2452



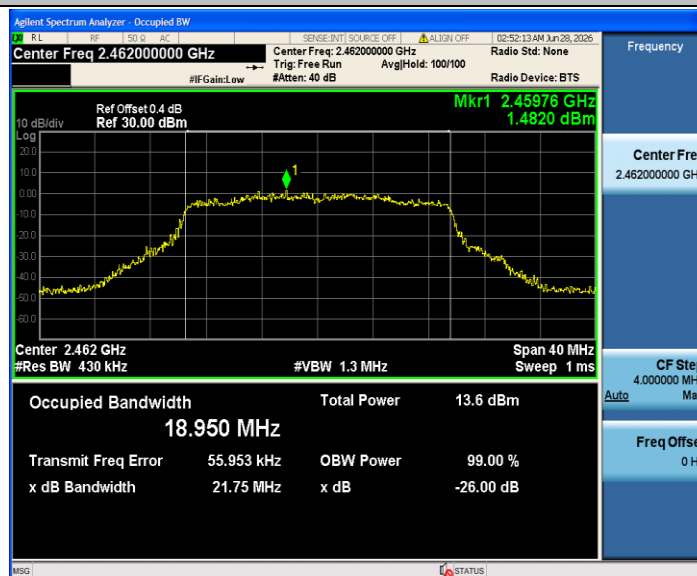
11AX20SISO_Ant1_2412



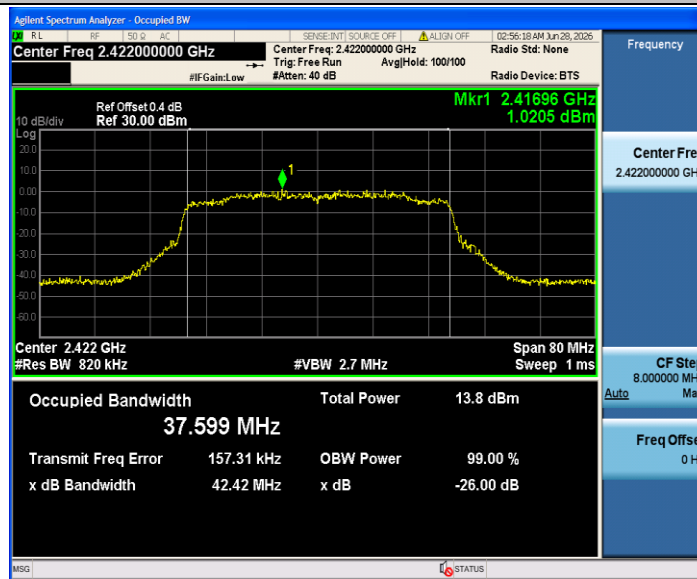
11AX20SISO_Ant1_2437



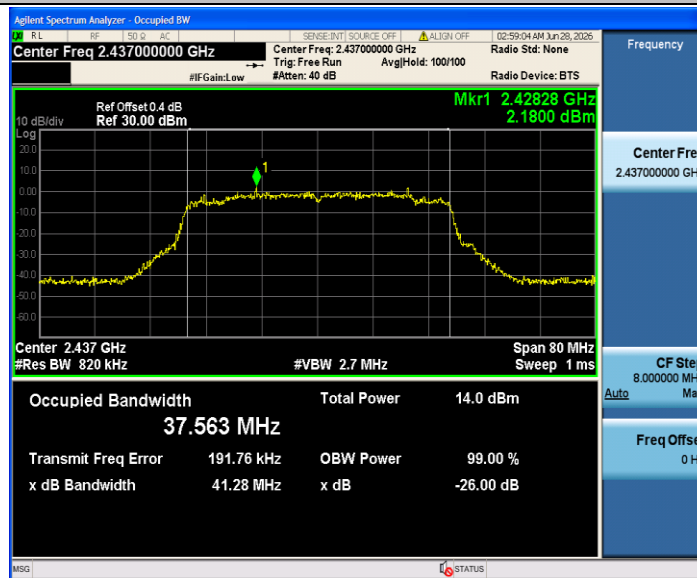
11AX20SISO_Ant1_2462



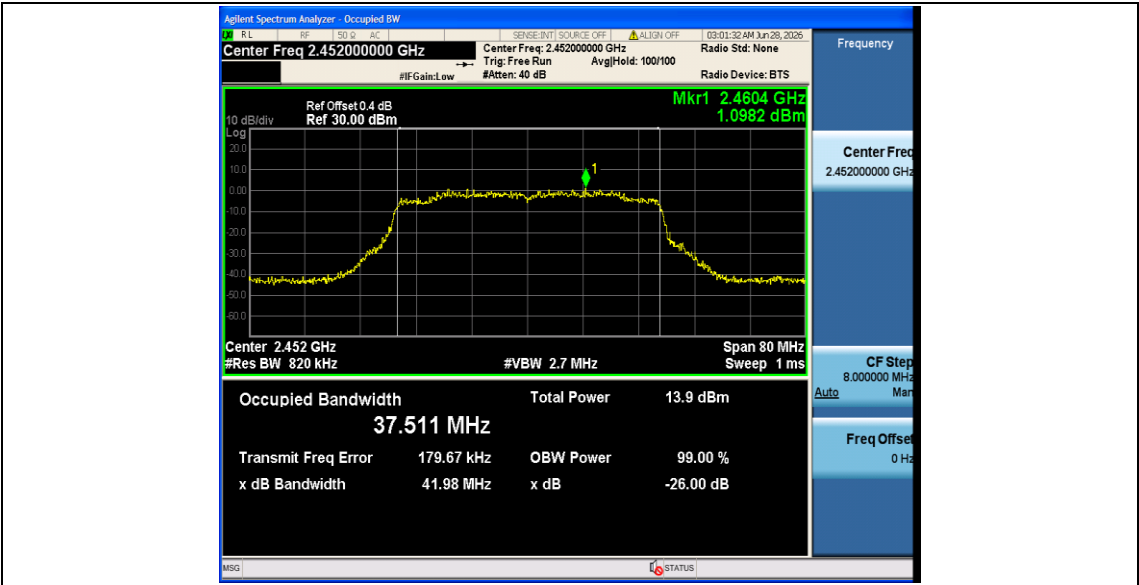
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.86	≤30.00	PASS
		2437	13.97	≤30.00	PASS
		2462	14.13	≤30.00	PASS
11G	Ant1	2412	13.10	≤30.00	PASS
		2437	13.25	≤30.00	PASS
		2462	13.41	≤30.00	PASS
11N20SISO	Ant1	2412	13.09	≤30.00	PASS
		2437	13.13	≤30.00	PASS
		2462	13.28	≤30.00	PASS
11N40SISO	Ant1	2422	13.43	≤30.00	PASS
		2437	13.65	≤30.00	PASS
		2452	13.52	≤30.00	PASS
11AX20SISO	Ant1	2412	13.71	≤30.00	PASS
		2437	13.95	≤30.00	PASS
		2462	14.00	≤30.00	PASS
11AX40SISO	Ant1	2422	13.73	≤30.00	PASS
		2437	13.90	≤30.00	PASS
		2452	14.06	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

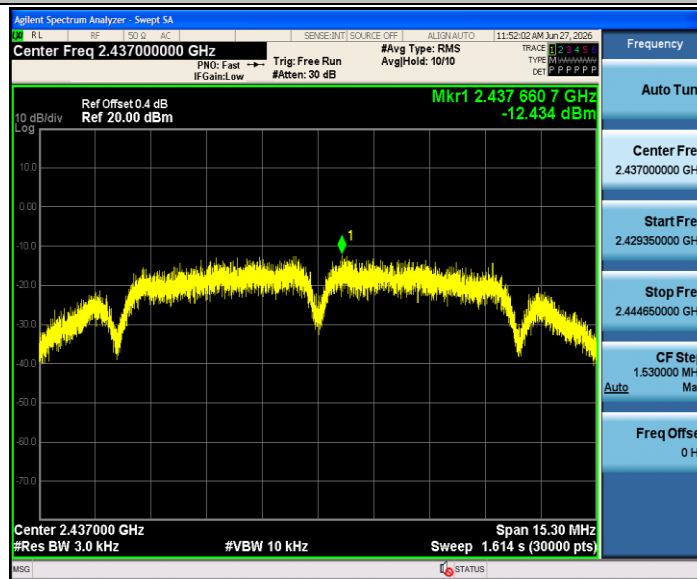
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.90	≤8.00	PASS
		2437	-12.43	≤8.00	PASS
		2462	-11.47	≤8.00	PASS
11G	Ant1	2412	-19.04	≤8.00	PASS
		2437	-18.88	≤8.00	PASS
		2462	-18.17	≤8.00	PASS
11N20SISO	Ant1	2412	-18.22	≤8.00	PASS
		2437	-17.99	≤8.00	PASS
		2462	-18.21	≤8.00	PASS
11N40SISO	Ant1	2422	-21.17	≤8.00	PASS
		2437	-20.84	≤8.00	PASS
		2452	-21.01	≤8.00	PASS
11AX20SISO	Ant1	2412	-18.80	≤8.00	PASS
		2437	-19.52	≤8.00	PASS
		2462	-18.51	≤8.00	PASS
11AX40SISO	Ant1	2422	-22.67	≤8.00	PASS
		2437	-21.35	≤8.00	PASS
		2452	-21.93	≤8.00	PASS

Test Graphs

11B_Ant1_2412



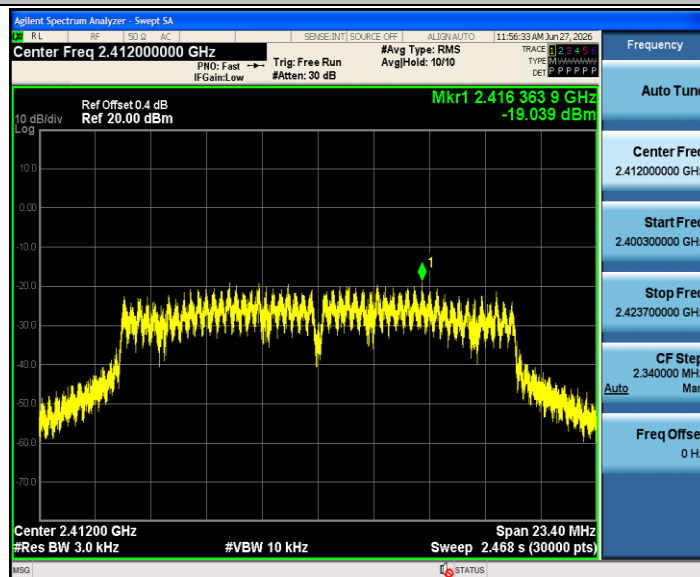
11B_Ant1_2437



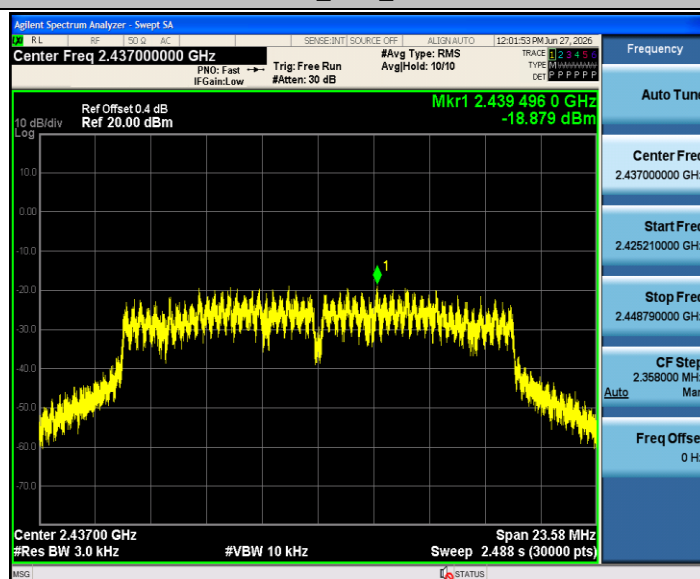
11B_Ant1_2462



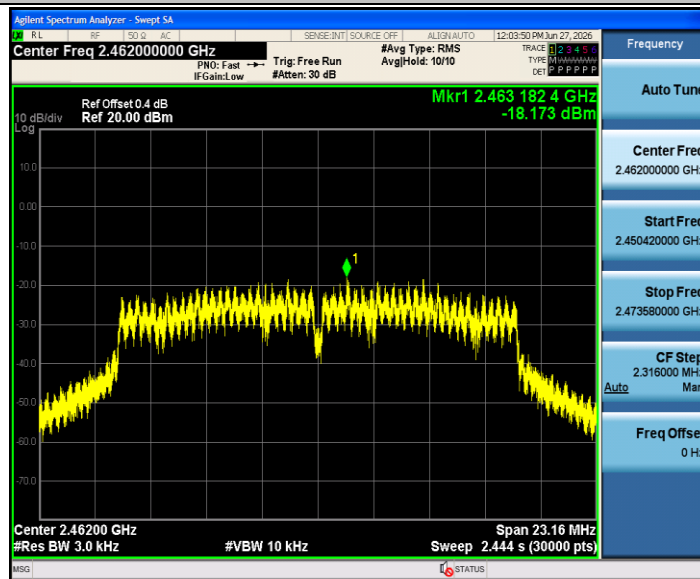
11G_Ant1_2412



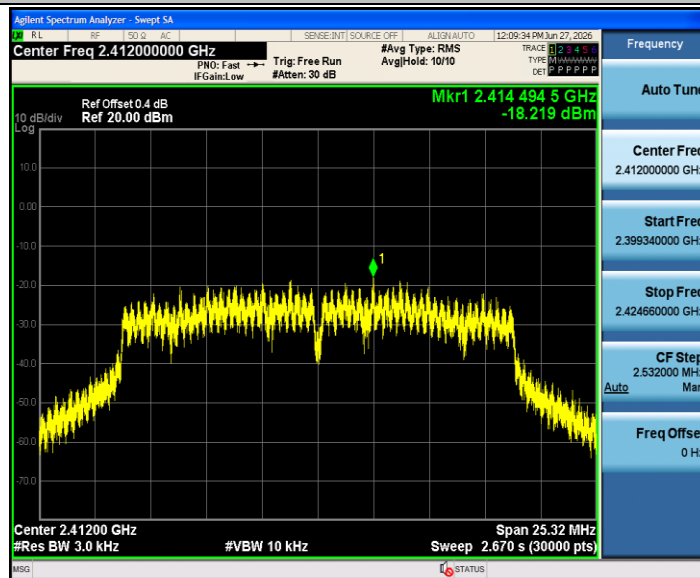
11G_Ant1_2437



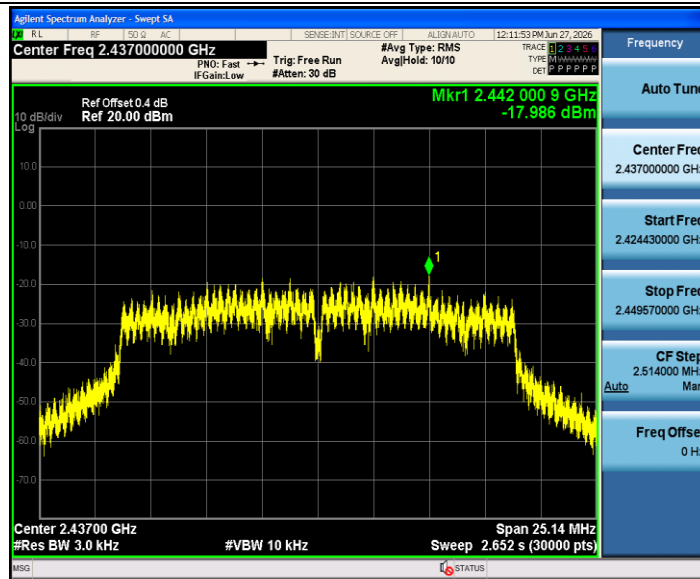
11G_Ant1_2462



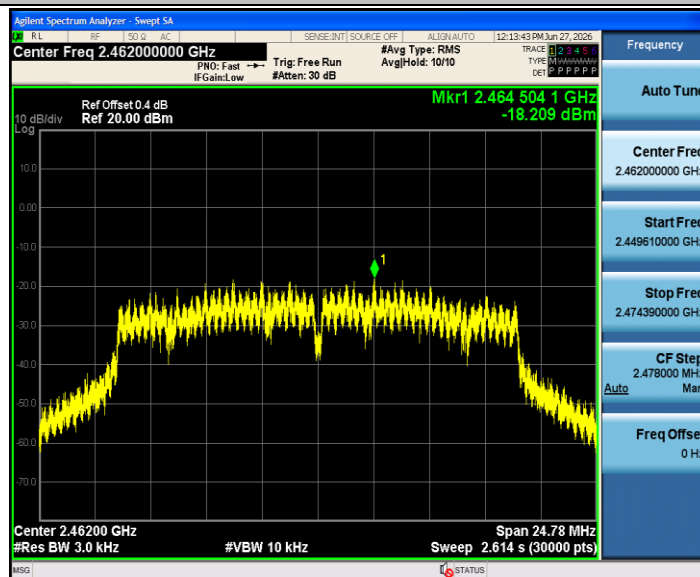
11N20SISO_Ant1_2412



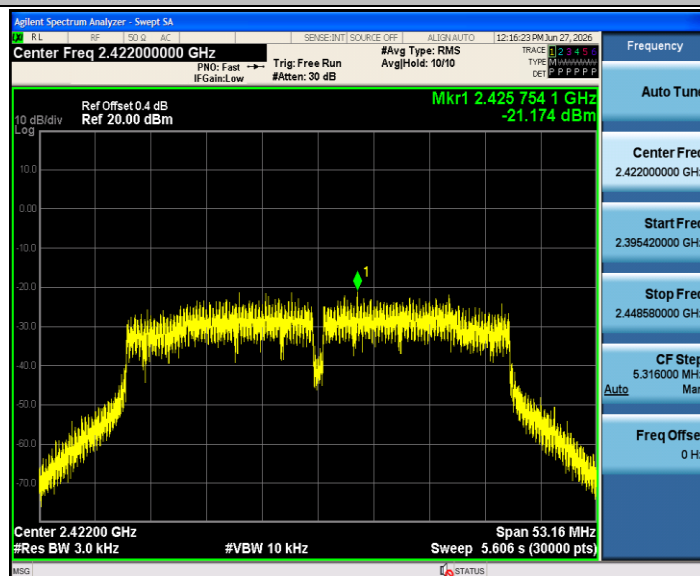
11N20SISO_Ant1_2437



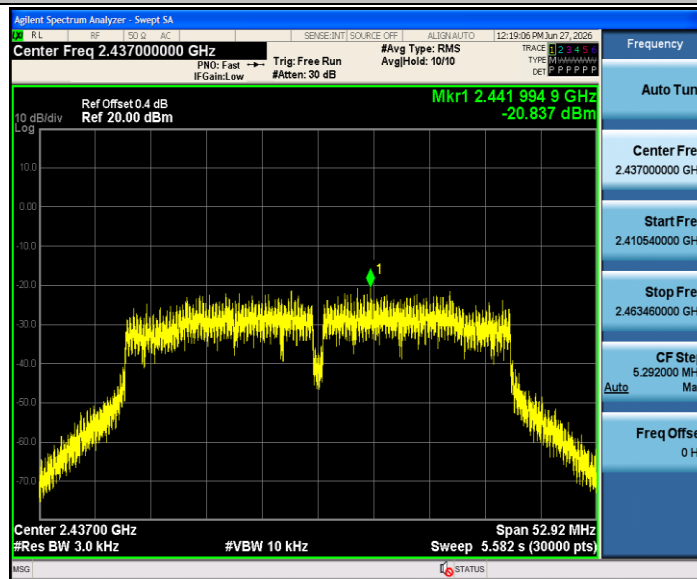
11N20SISO_Ant1_2462



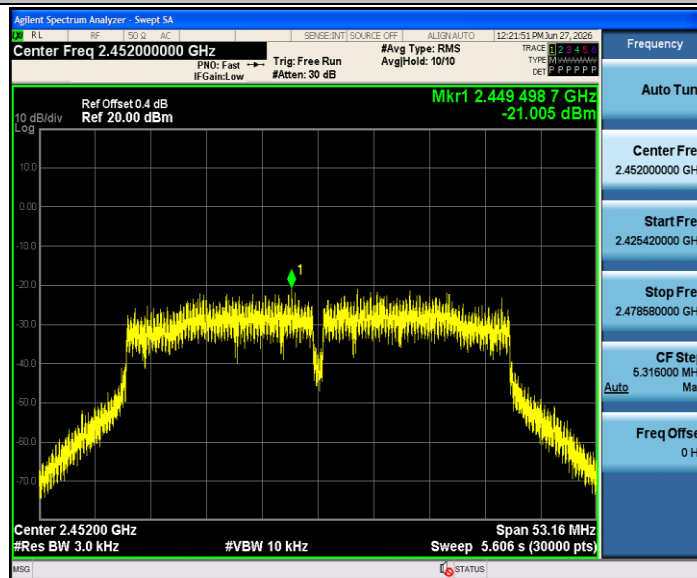
11N40SISO_Ant1_2422



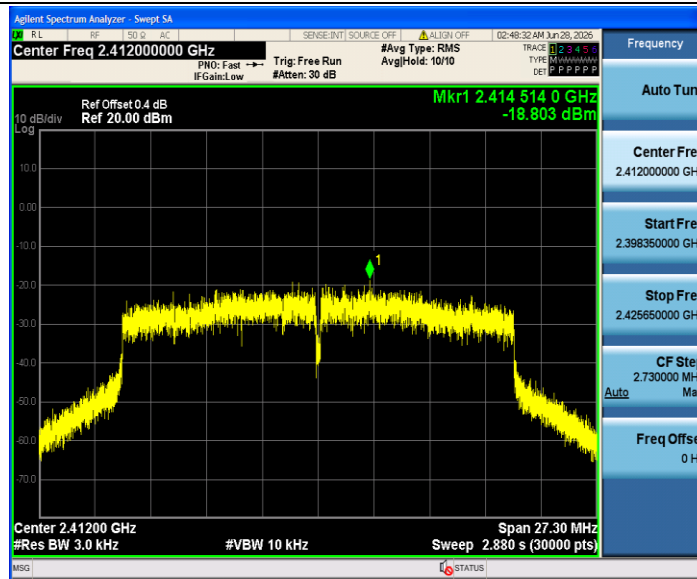
11N40SISO_Ant1_2437



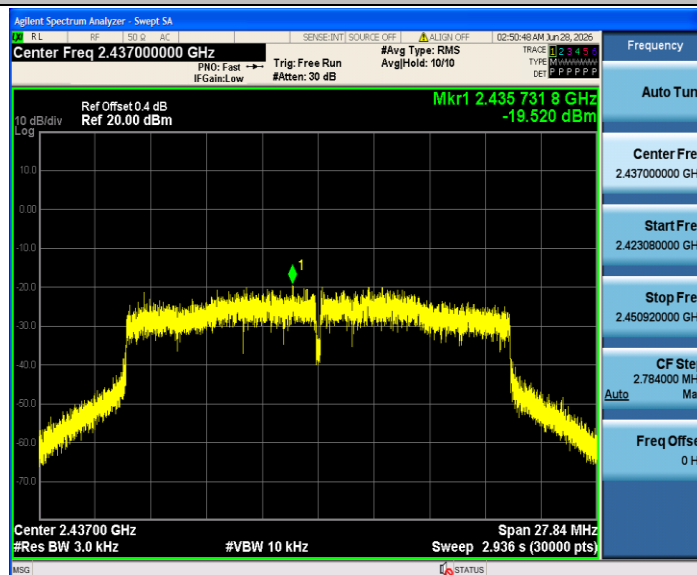
11N40SISO_Ant1_2452



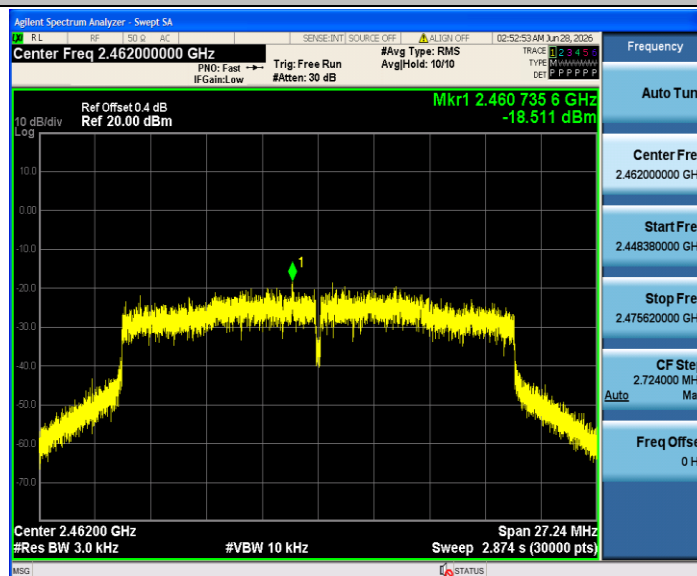
11AX20SISO_Ant1_2412



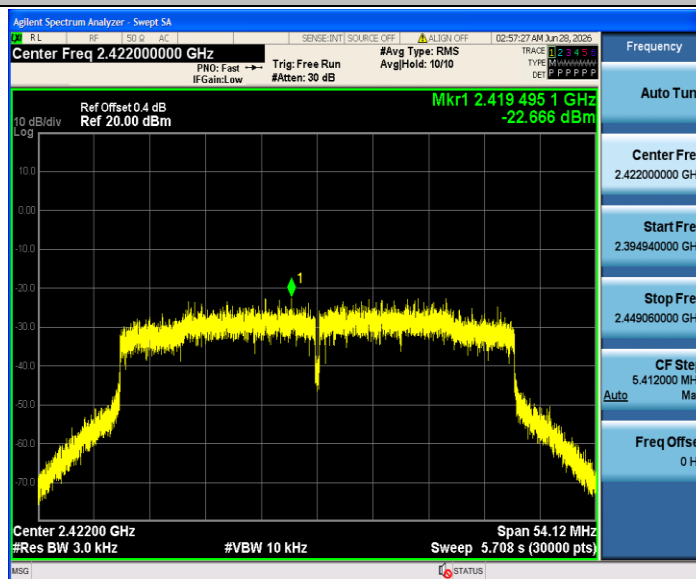
11AX20SISO_Ant1_2437



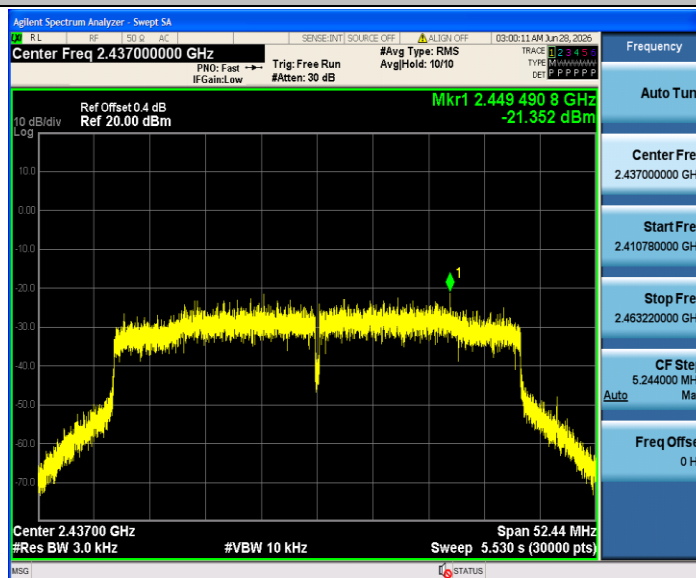
11AX20SISO_Ant1_2462



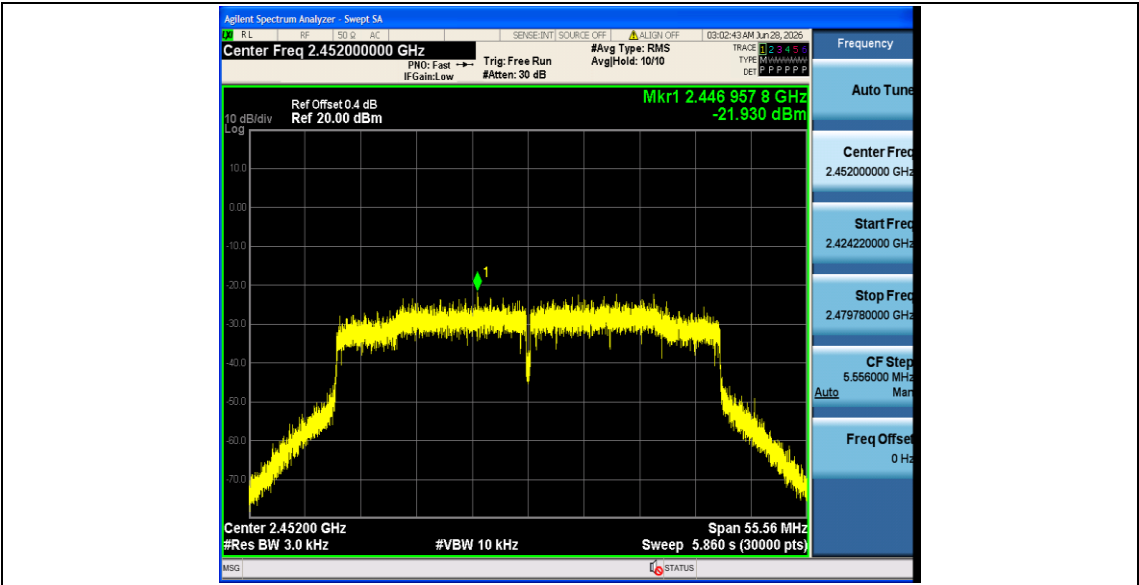
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



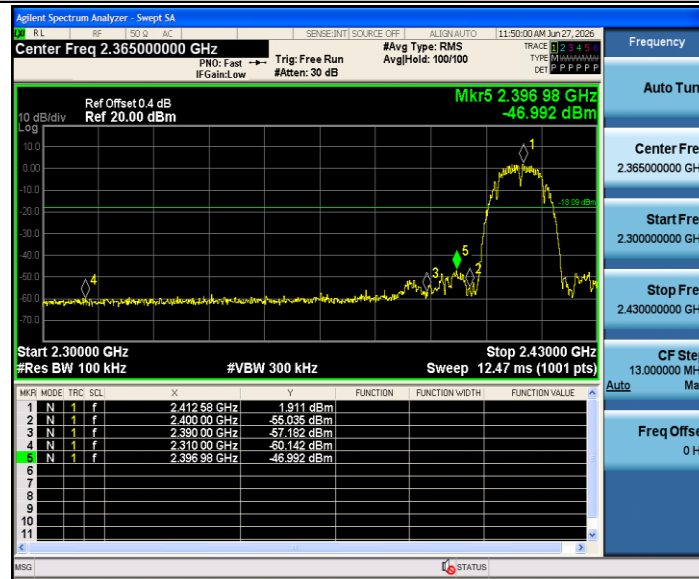
Appendix E: Band edge measurements

Test Result

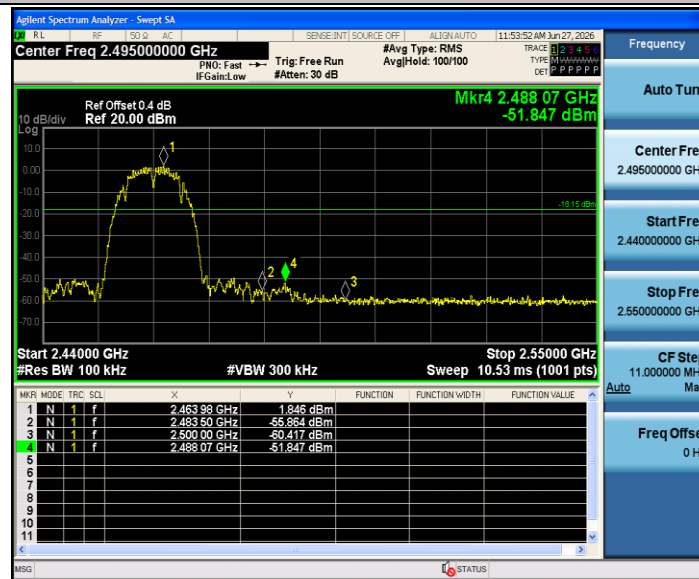
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.91	-46.99	≤-18.09	PASS
		High	2462	1.85	-51.85	≤-18.15	PASS
11G	Ant1	Low	2412	-3.35	-35.91	≤-23.35	PASS
		High	2462	-2.86	-57.55	≤-22.86	PASS
11N20SISO	Ant1	Low	2412	-3.29	-35.67	≤-23.29	PASS
		High	2462	-2.82	-57.85	≤-22.82	PASS
11N40SISO	Ant1	Low	2422	-6.38	-35.58	≤-26.38	PASS
		High	2452	-6.29	-57.09	≤-26.29	PASS
11AX20SISO	Ant1	Low	2412	-3.88	-34.56	≤-23.88	PASS
		High	2462	-3.65	-57.82	≤-23.65	PASS
11AX40SISO	Ant1	Low	2422	-6.82	-35.93	≤-26.82	PASS
		High	2452	-6.49	-57.14	≤-26.49	PASS

Test Graphs

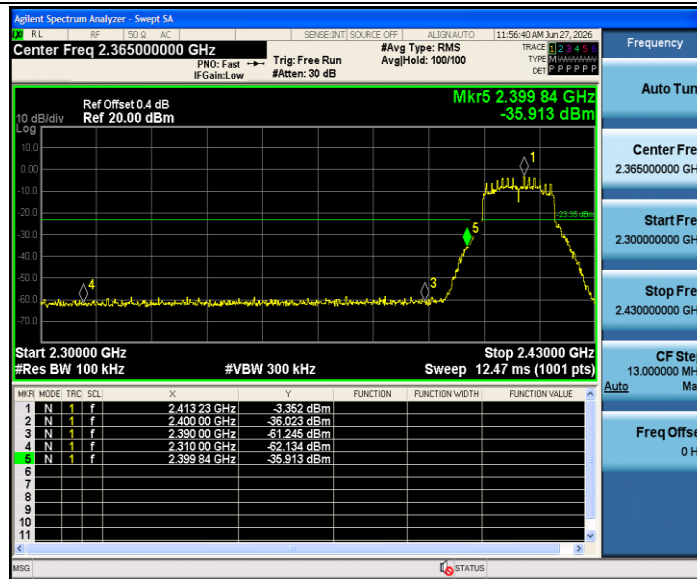
11B_Ant1_Low_2412



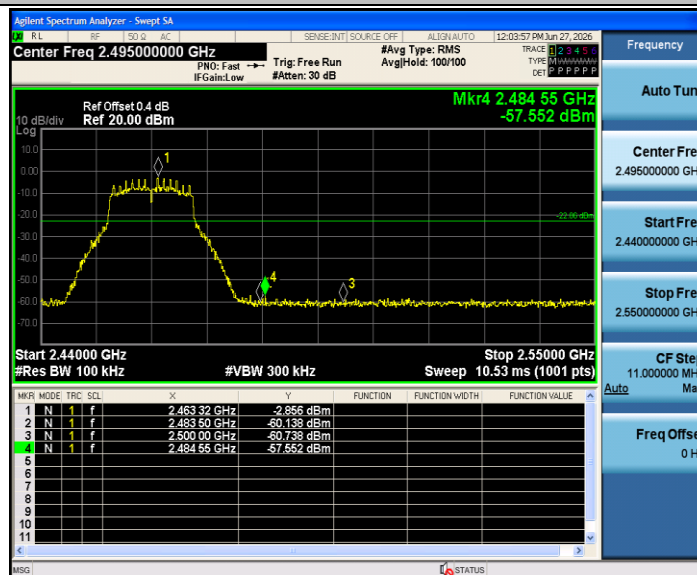
11B_Ant1_High_2462



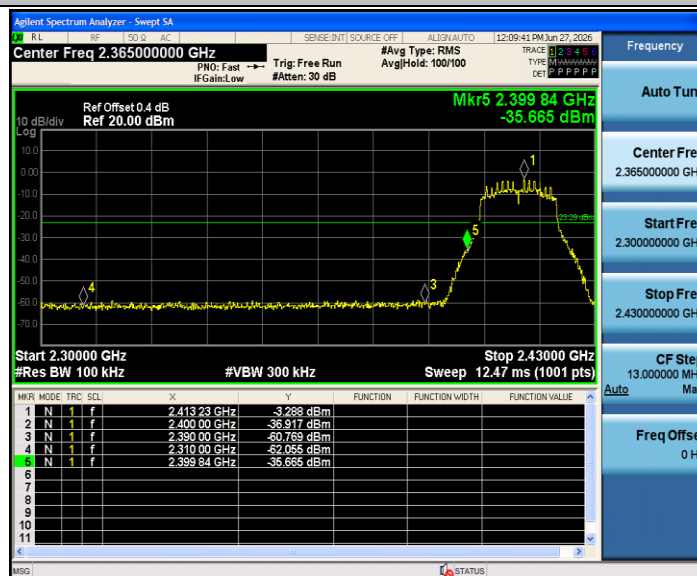
11G_Ant1_Low_2412



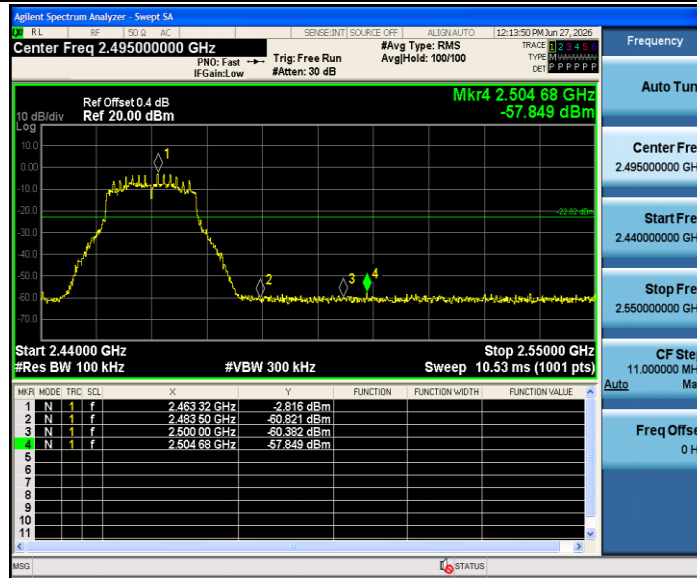
11G_Ant1_High_2462



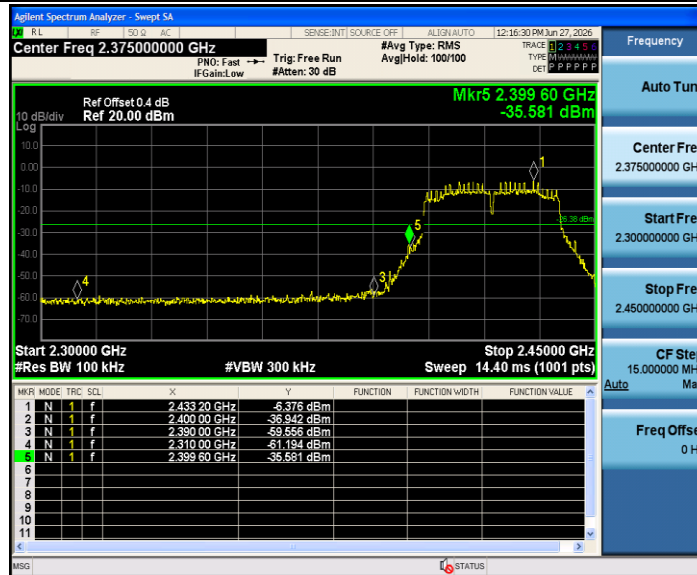
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



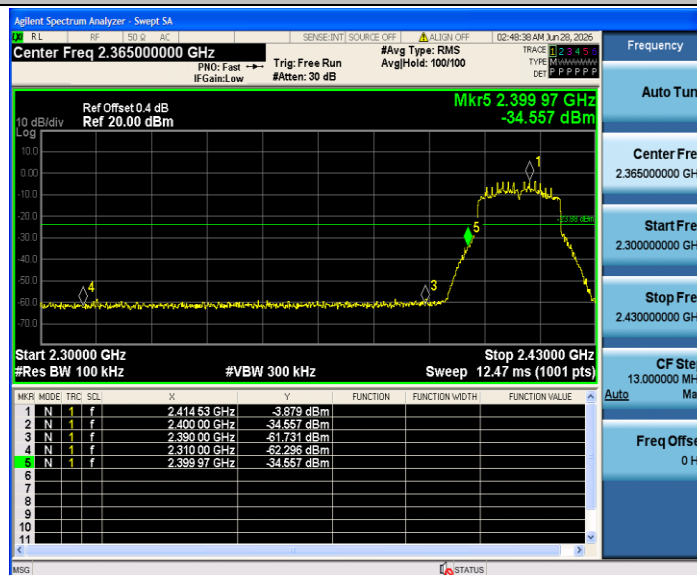
11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462

