

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BPRF-BP4SL3V3

Company : Shenzhen WestMicro Digital Technology Co., Ltd.

EUT : LinkPower 3

Model Number : BP4SL3V3

Report No. : CTA26042002802

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	10.160	2406.960	2417.120	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	15.520	2404.440	2419.960	0.5	PASS
		2437	15.440	2429.440	2444.880	0.5	PASS
		2462	15.840	2454.120	2469.960	0.5	PASS
11N20SISO	Ant1	2412	16.960	2403.480	2420.440	0.5	PASS
		2437	16.920	2428.520	2445.440	0.5	PASS
		2462	16.360	2454.080	2470.440	0.5	PASS
11N40SISO	Ant1	2422	34.080	2404.880	2438.960	0.5	PASS
		2437	36.000	2419.000	2455.000	0.5	PASS
		2452	35.600	2434.320	2469.920	0.5	PASS
11AX20SISO	Ant1	2412	18.440	2402.920	2421.360	0.5	PASS
		2437	18.120	2428.240	2446.360	0.5	PASS
		2462	18.760	2452.600	2471.360	0.5	PASS
11AX40SISO	Ant1	2422	31.920	2405.200	2437.120	0.5	PASS
		2437	35.440	2419.400	2454.840	0.5	PASS
		2452	36.560	2433.680	2470.240	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



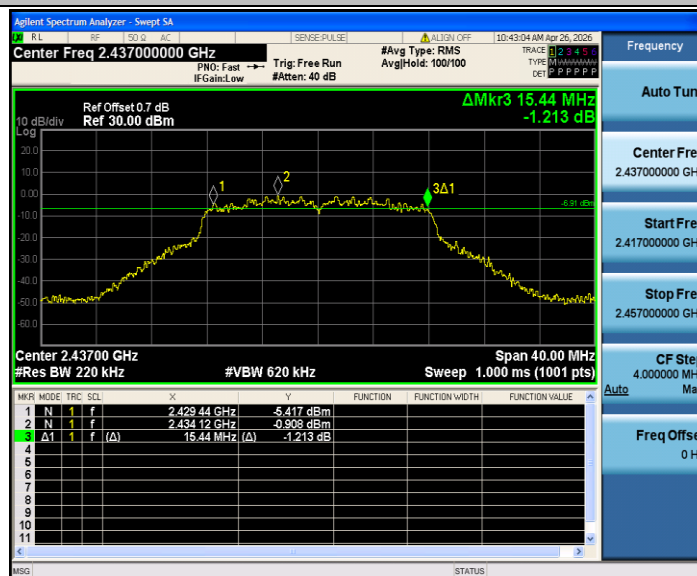
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



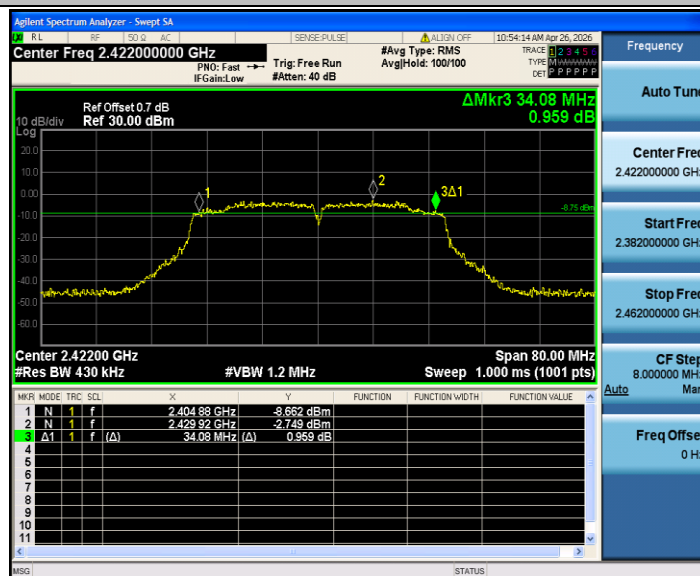
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422





11AX20SISO_Ant1_2437



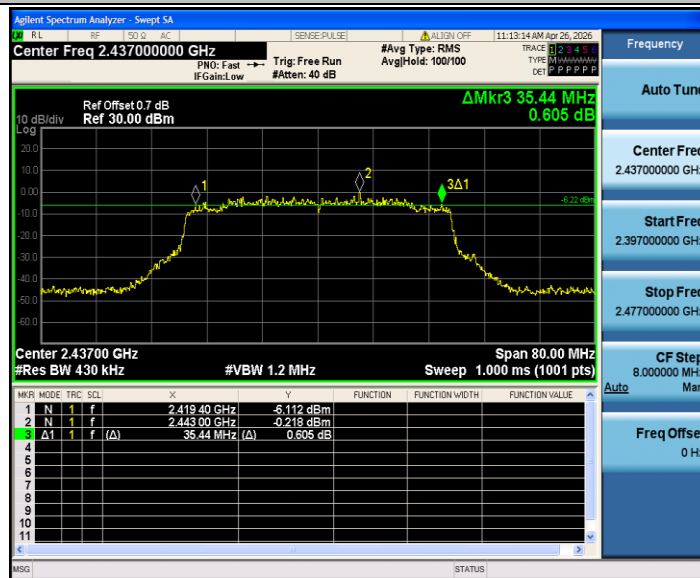
11AX20SISO_Ant1_2462



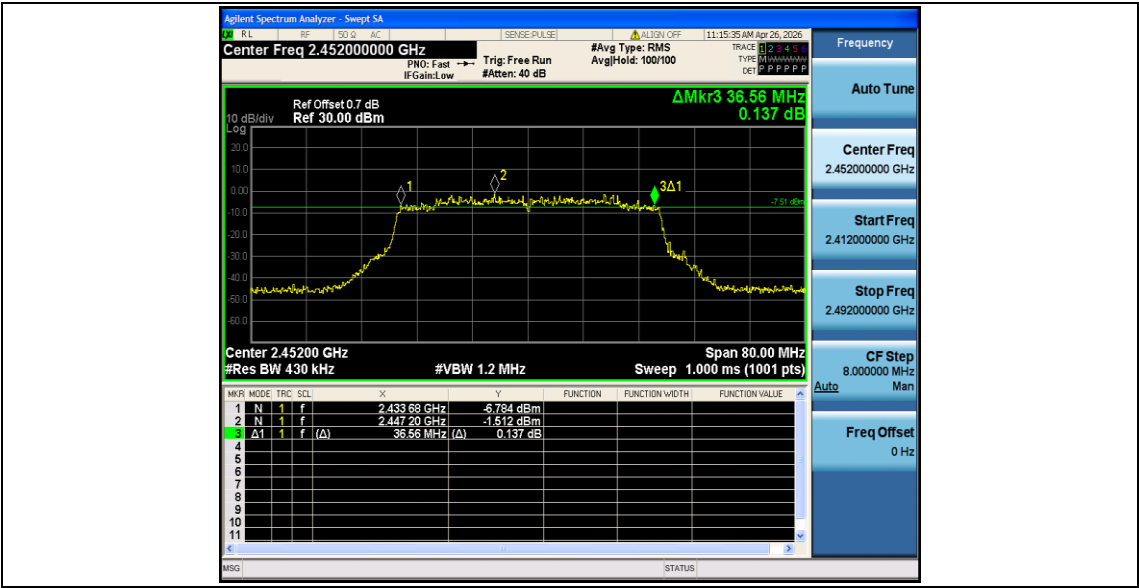
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



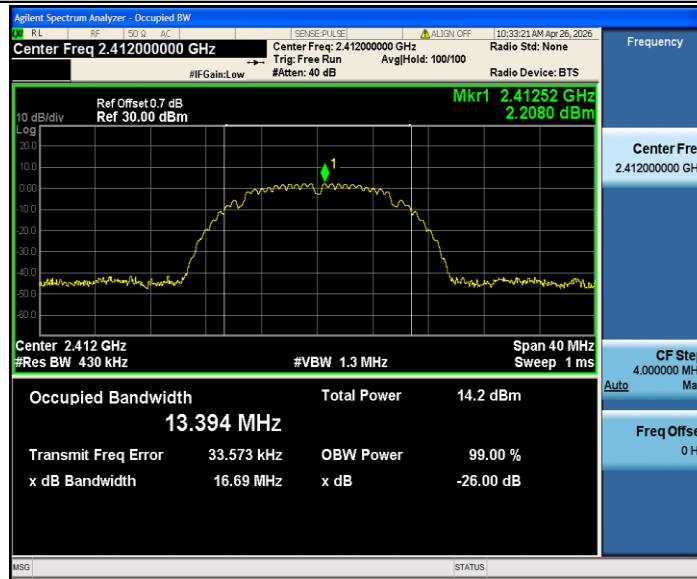
Appendix B: Occupied Channel Bandwidth

Test Result

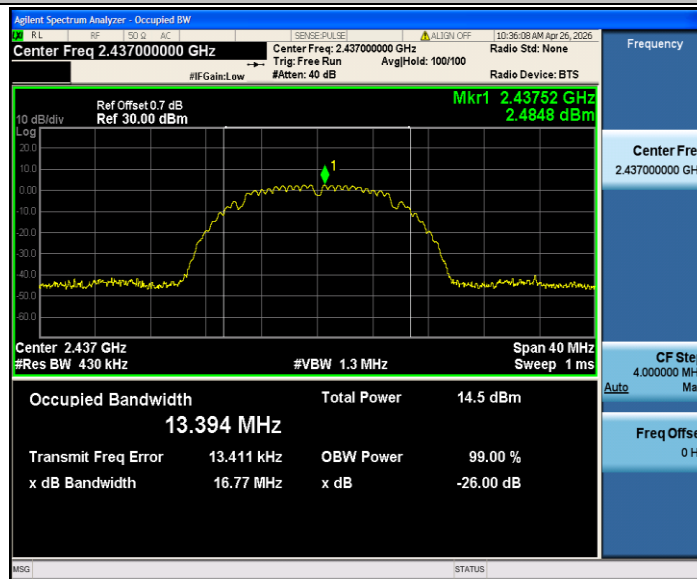
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.394	2405.3366	2418.7306	---	---
		2437	13.394	2430.3164	2443.7104	---	---
		2462	13.412	2455.2957	2468.7077	---	---
11G	Ant1	2412	16.815	2403.6318	2420.4468	---	---
		2437	16.817	2428.6288	2445.4458	---	---
		2462	16.835	2453.6161	2470.4511	---	---
11N20SISO	Ant1	2412	17.824	2403.1403	2420.9643	---	---
		2437	17.872	2428.0932	2445.9652	---	---
		2462	17.898	2453.0770	2470.9750	---	---
11N40SISO	Ant1	2422	36.001	2404.0439	2440.0449	---	---
		2437	36.015	2419.0685	2455.0835	---	---
		2452	36.077	2434.0572	2470.1342	---	---
11AX20SISO	Ant1	2412	18.957	2402.5149	2421.4719	---	---
		2437	18.981	2427.5620	2446.5430	---	---
		2462	18.940	2452.5683	2471.5083	---	---
11AX40SISO	Ant1	2422	37.485	2403.3351	2440.8201	---	---
		2437	37.525	2418.3718	2455.8968	---	---
		2452	37.604	2433.3413	2470.9453	---	---

Test Graphs

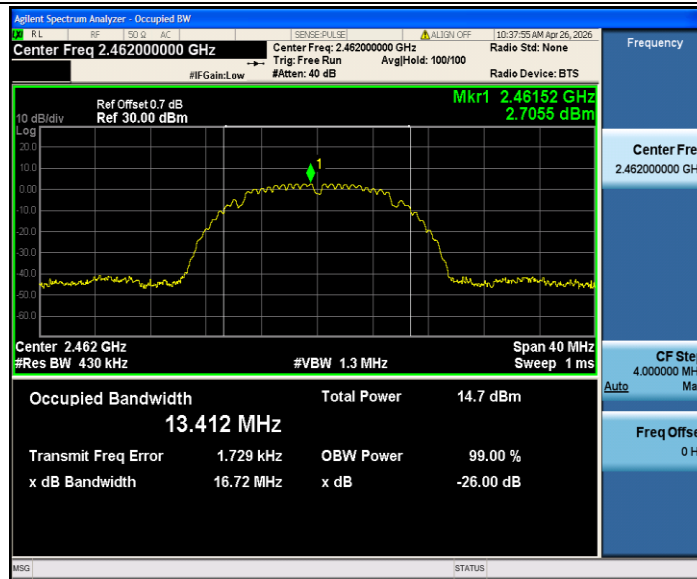
11B_Ant1_2412



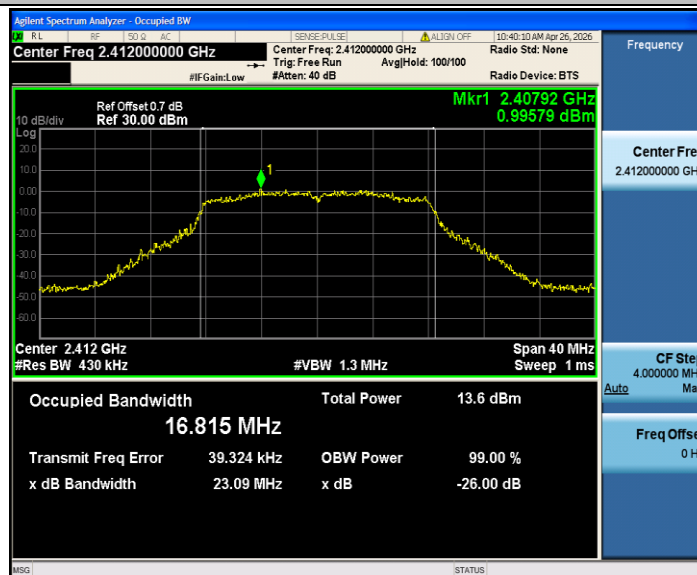
11B_Ant1_2437



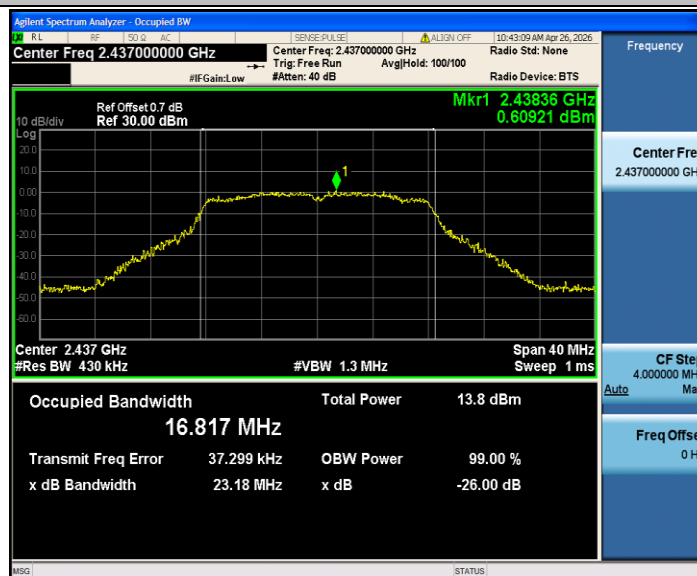
11B_Ant1_2462



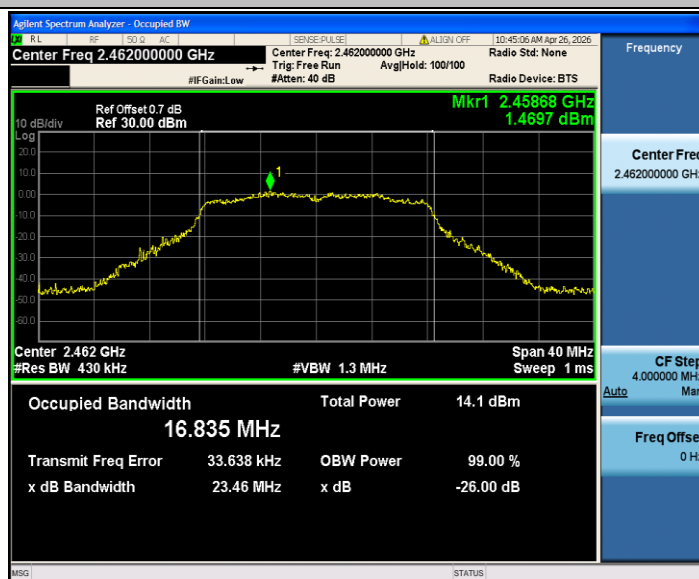
11G_Ant1_2412



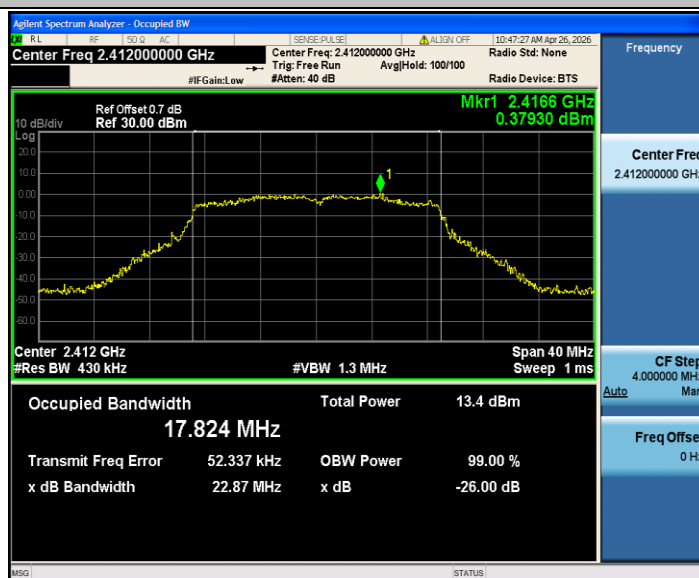
11G_Ant1_2437



11G_Ant1_2462



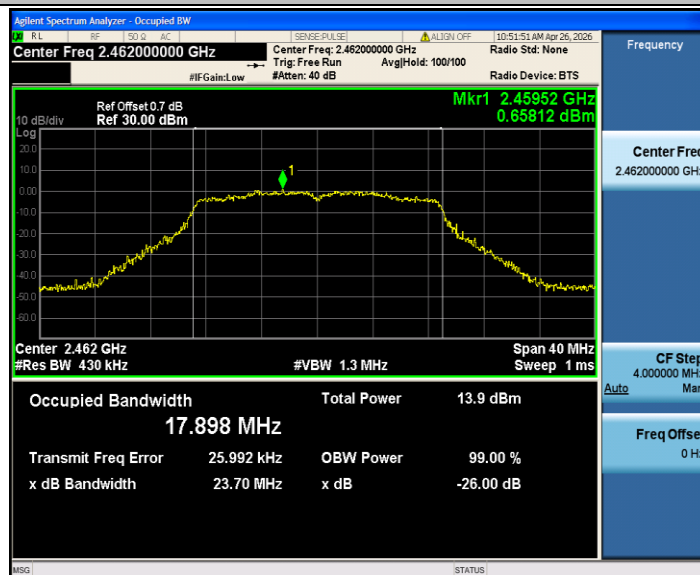
11N20SISO_Ant1_2412



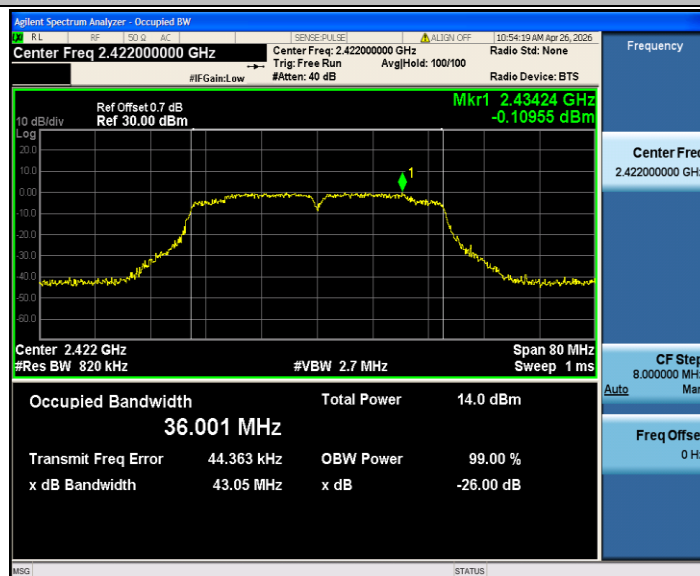
11N20SISO_Ant1_2437



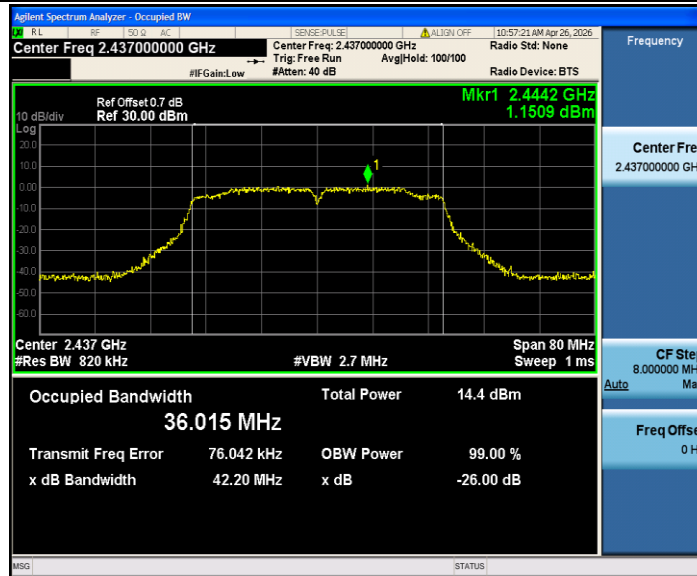
11N20SISO_Ant1_2462



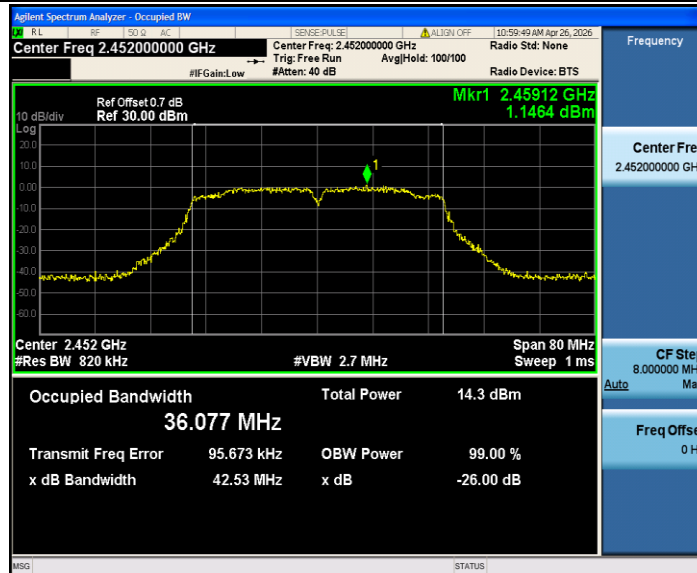
11N40SISO_Ant1_2422



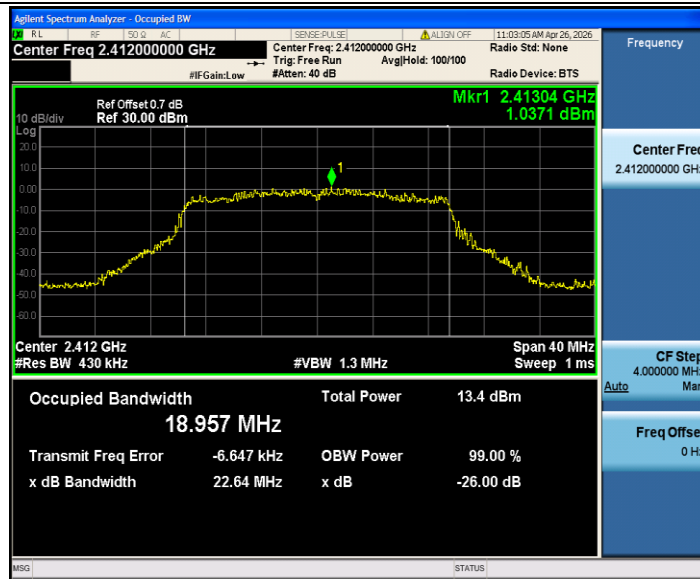
11N40SISO_Ant1_2437



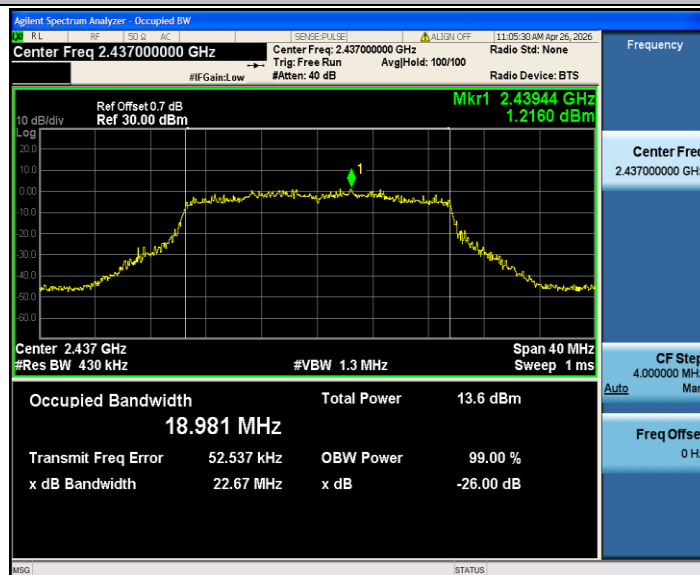
11N40SISO_Ant1_2452



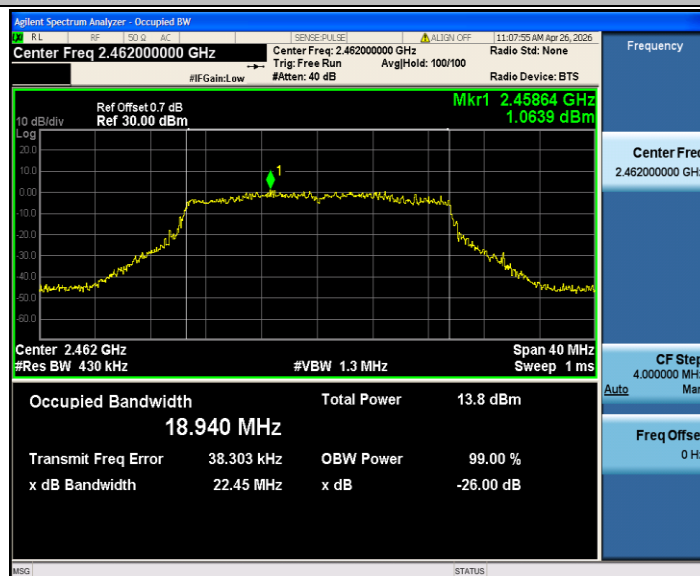
11AX20SISO_Ant1_2412



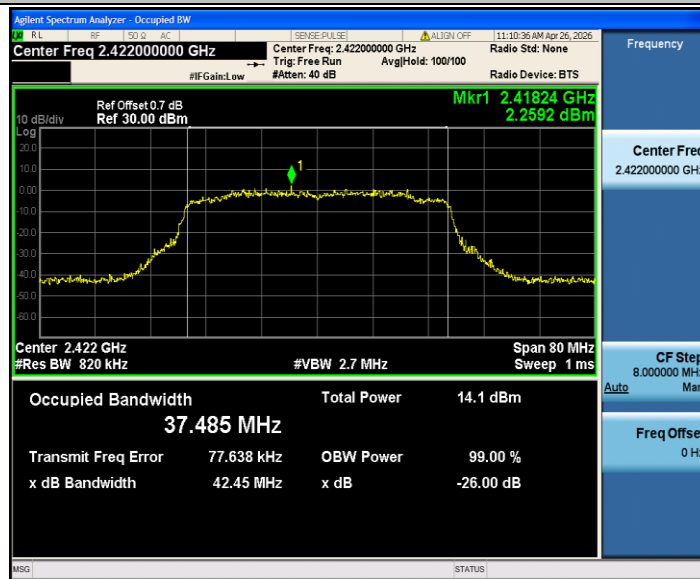
11AX20SISO_Ant1_2437



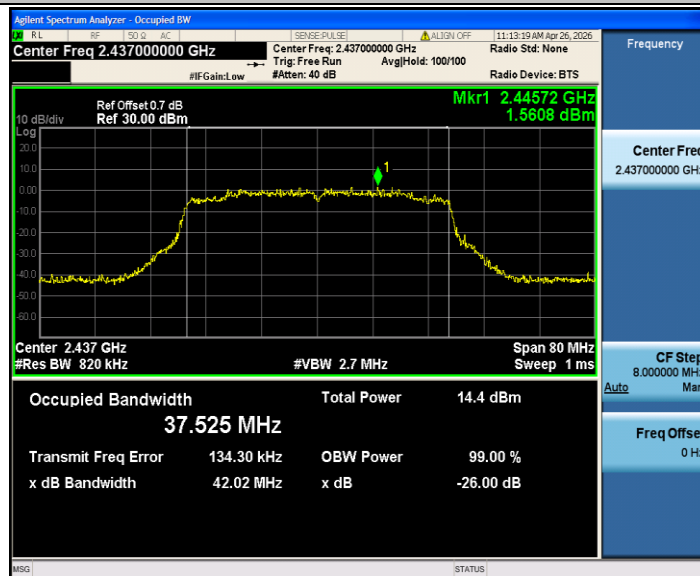
11AX20SISO_Ant1_2462



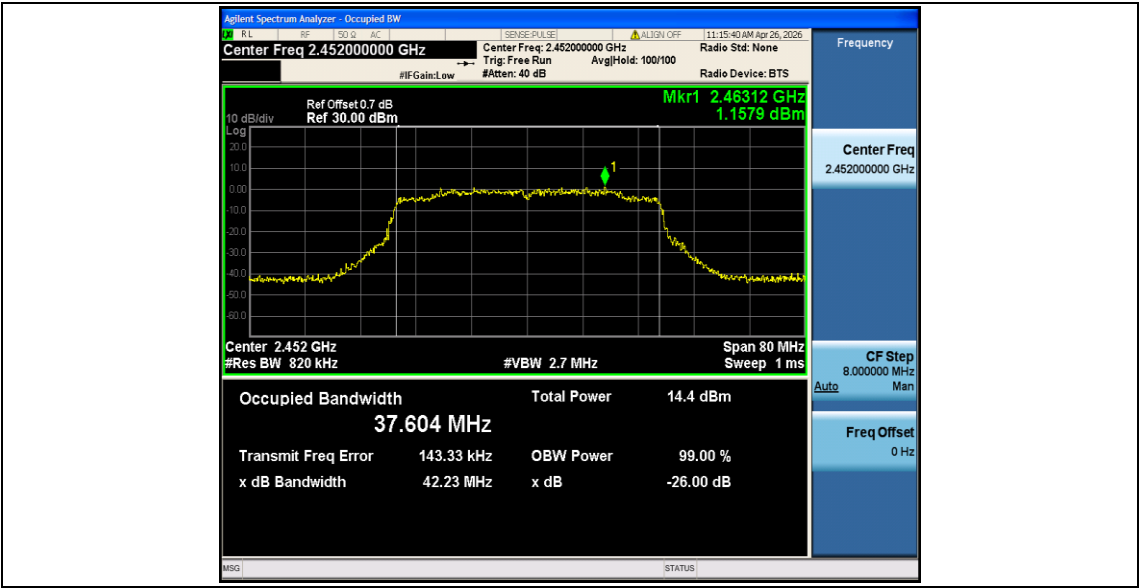
11AX40SISO_Ant1_2422



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	13.85	≤30.00	PASS
		2437	14.15	≤30.00	PASS
		2462	14.35	≤30.00	PASS
11G	Ant1	2412	14.39	≤30.00	PASS
		2437	14.60	≤30.00	PASS
		2462	14.95	≤30.00	PASS
11N20SISO	Ant1	2412	14.38	≤30.00	PASS
		2437	14.61	≤30.00	PASS
		2462	14.70	≤30.00	PASS
11N40SISO	Ant1	2422	13.97	≤30.00	PASS
		2437	14.50	≤30.00	PASS
		2452	14.46	≤30.00	PASS
11AX20SISO	Ant1	2412	13.85	≤30.00	PASS
		2437	14.07	≤30.00	PASS
		2462	14.40	≤30.00	PASS
11AX40SISO	Ant1	2422	13.54	≤30.00	PASS
		2437	14.24	≤30.00	PASS
		2452	14.32	≤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	-11.56	≤8.00	PASS
		2437	-11.84	≤8.00	PASS
		2462	-10.78	≤8.00	PASS
11G	Ant1	2412	-17.51	≤8.00	PASS
		2437	-16.61	≤8.00	PASS
		2462	-16.11	≤8.00	PASS
11N20SISO	Ant1	2412	-17.24	≤8.00	PASS
		2437	-15.72	≤8.00	PASS
		2462	-16.35	≤8.00	PASS
11N40SISO	Ant1	2422	-20.03	≤8.00	PASS
		2437	-19.48	≤8.00	PASS
		2452	-19.15	≤8.00	PASS
11AX20SISO	Ant1	2412	-18.72	≤8.00	PASS
		2437	-19.39	≤8.00	PASS
		2462	-18.82	≤8.00	PASS
11AX40SISO	Ant1	2422	-22.64	≤8.00	PASS
		2437	-21.37	≤8.00	PASS
		2452	-22.27	≤8.00	PASS

Test Graphs

11B_Ant1_2412



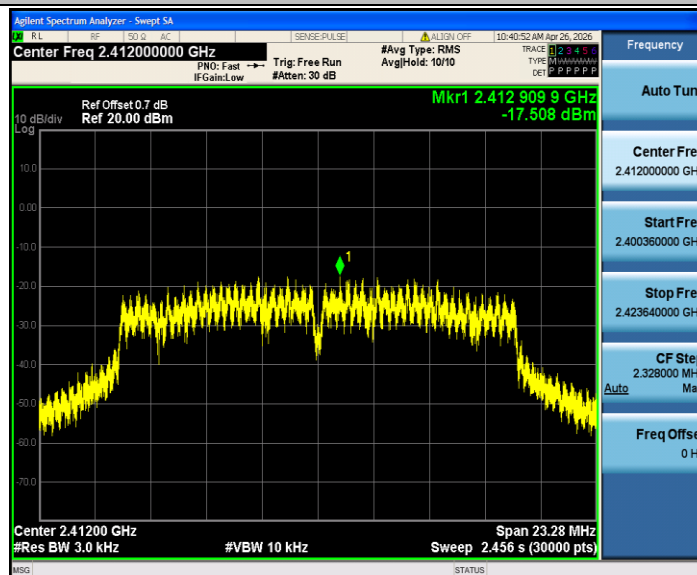
11B_Ant1_2437



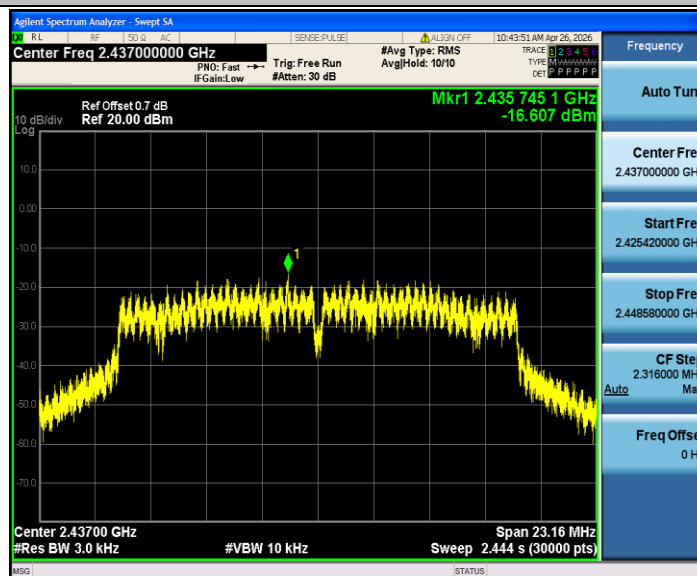
11B_Ant1_2462



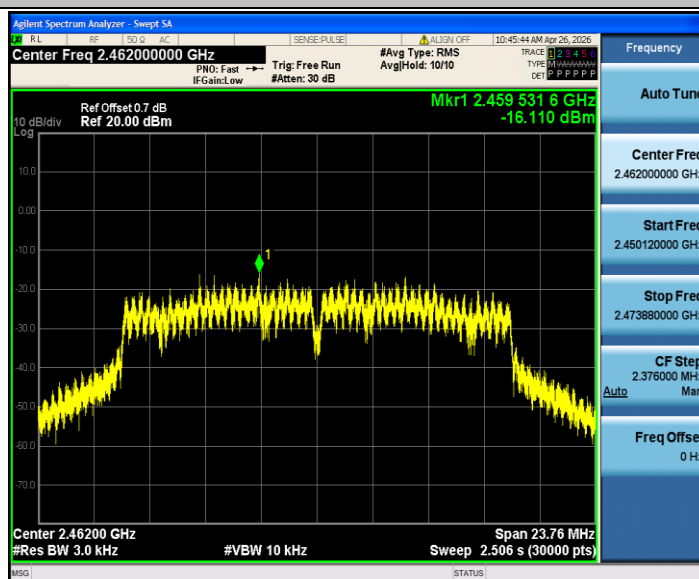
11G_Ant1_2412



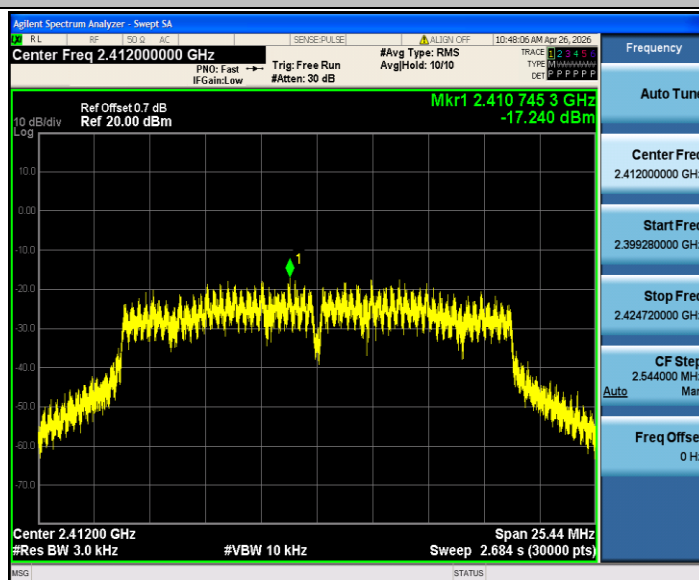
11G_Ant1_2437



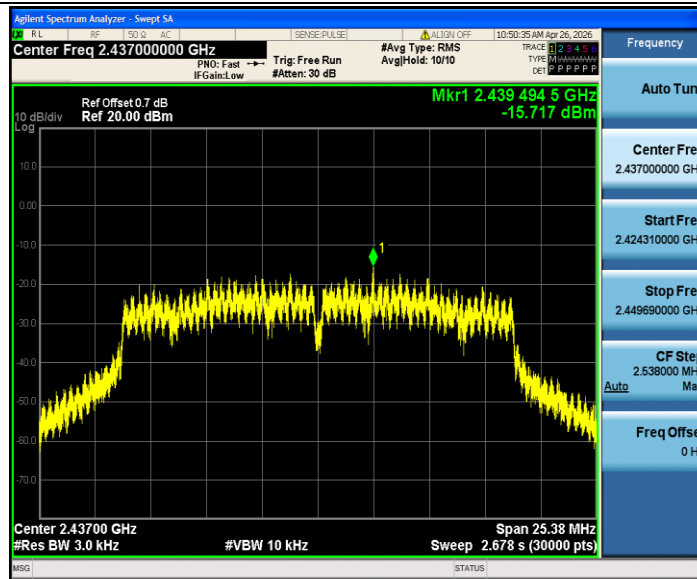
11G_Ant1_2462



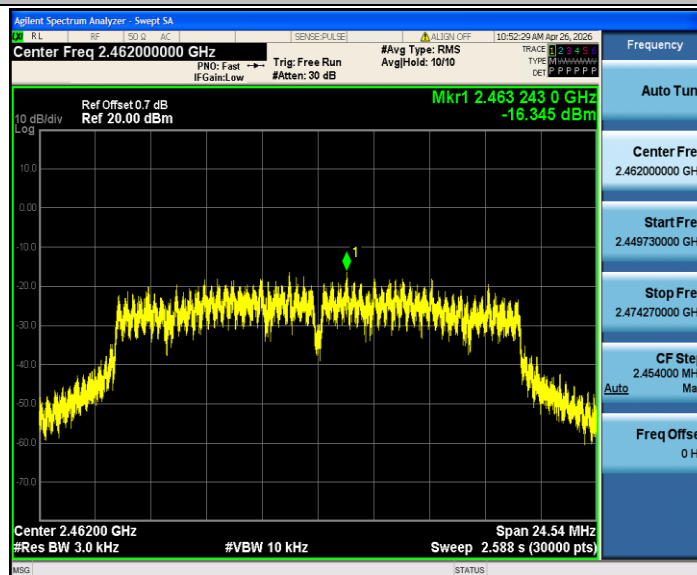
11N20SISO_Ant1_2412



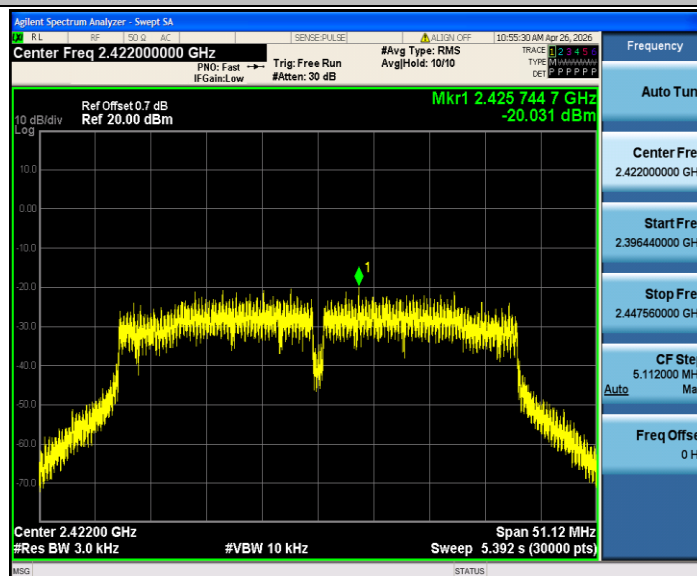
11N20SISO_Ant1_2437



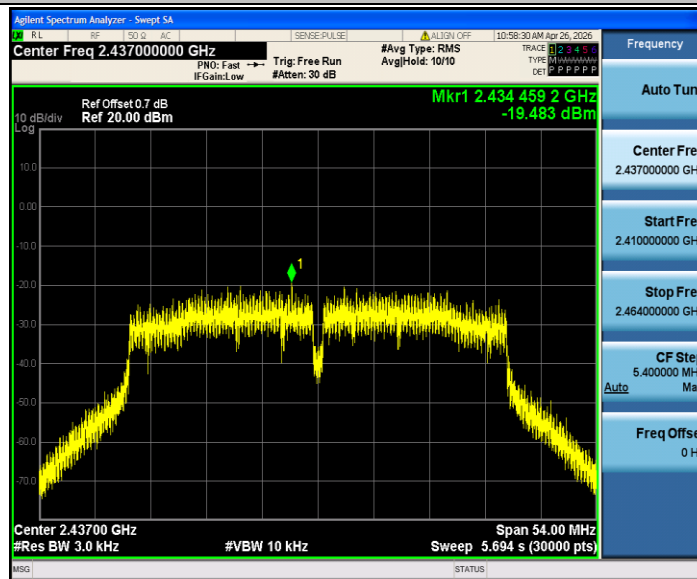
11N20SISO_Ant1_2462



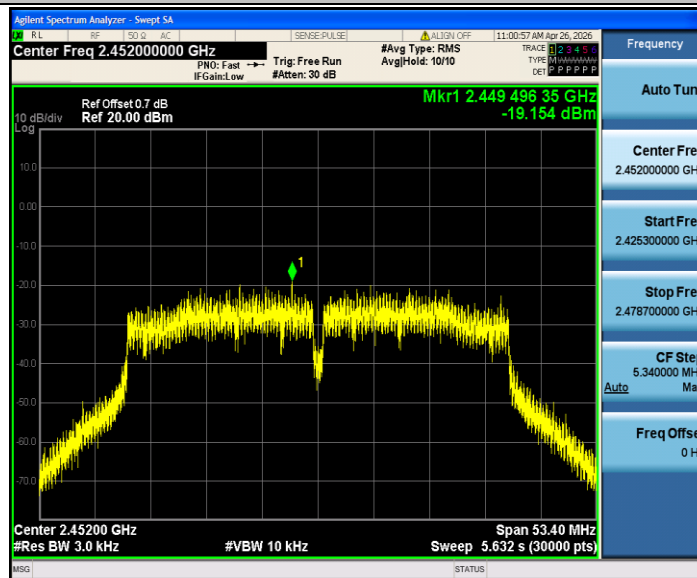
11N40SISO_Ant1_2422



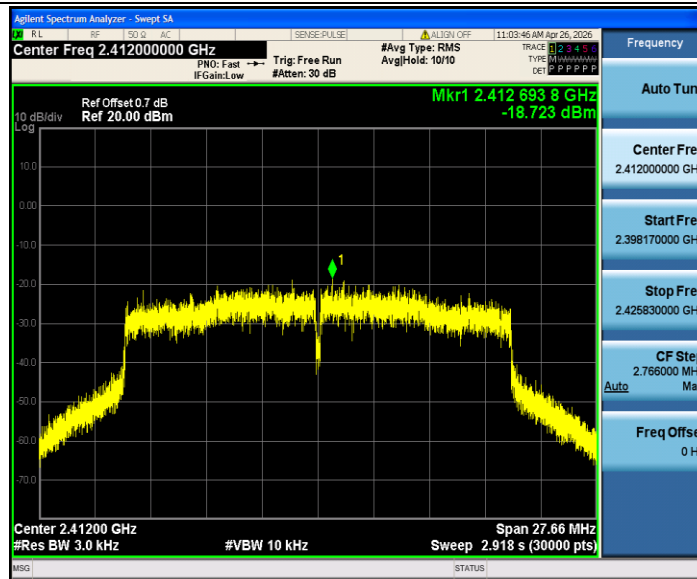
11N40SISO_Ant1_2437



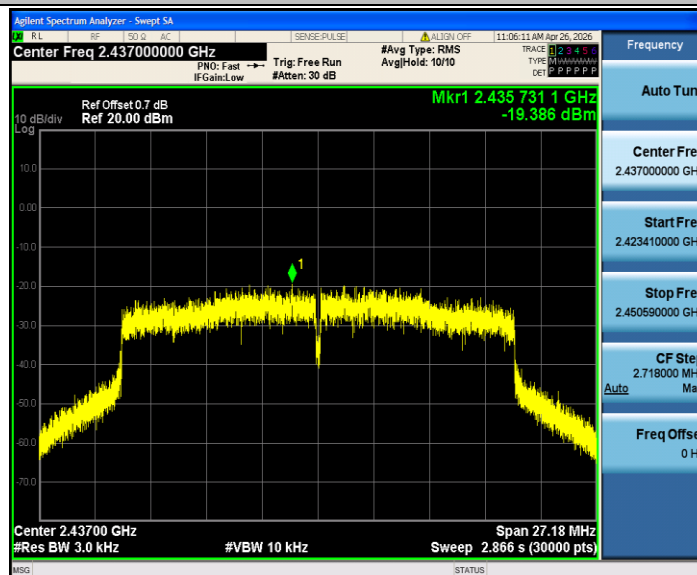
11N40SISO_Ant1_2452



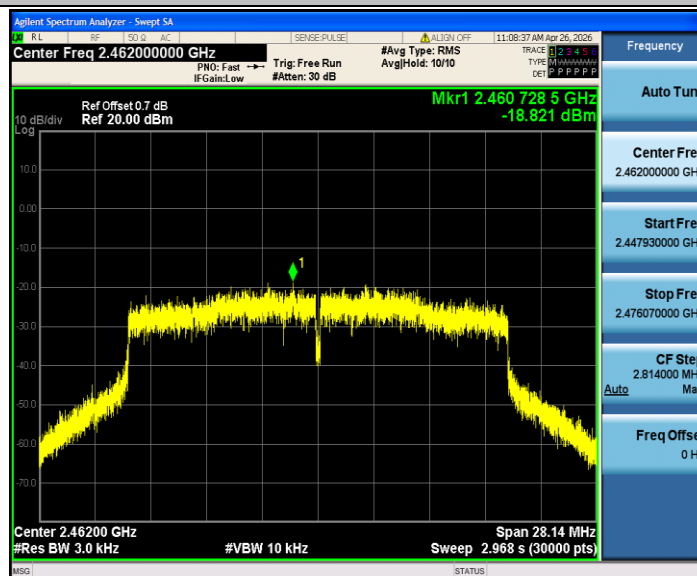
11AX20SISO_Ant1_2412



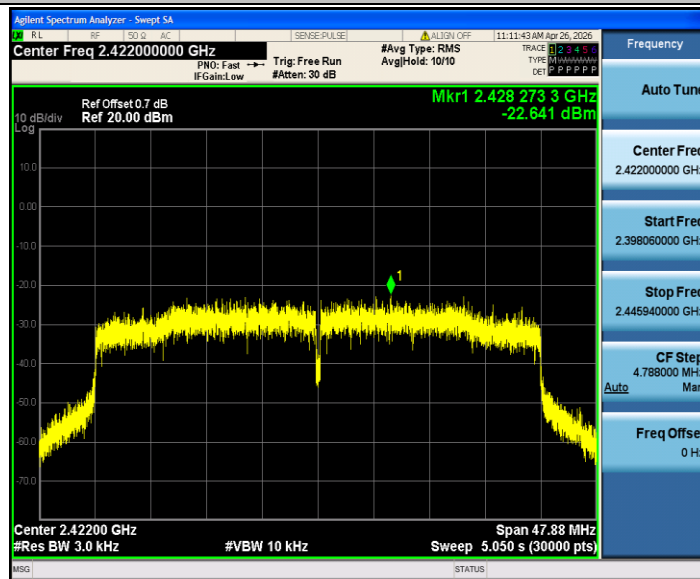
11AX20SISO_Ant1_2437



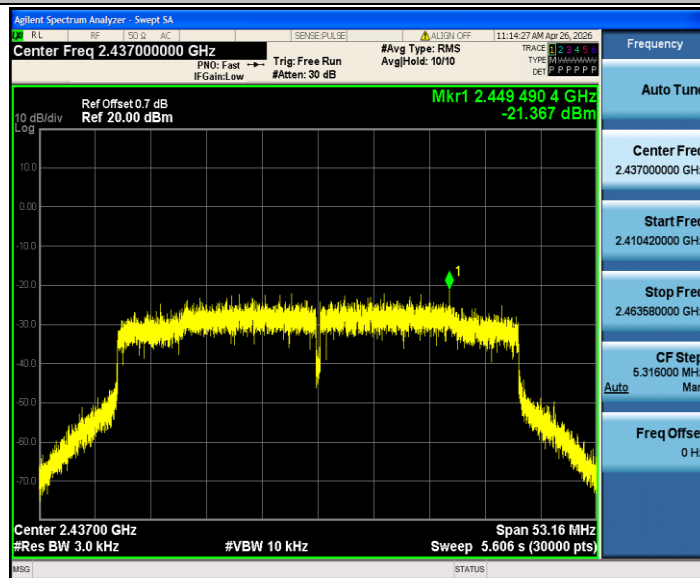
11AX20SISO_Ant1_2462



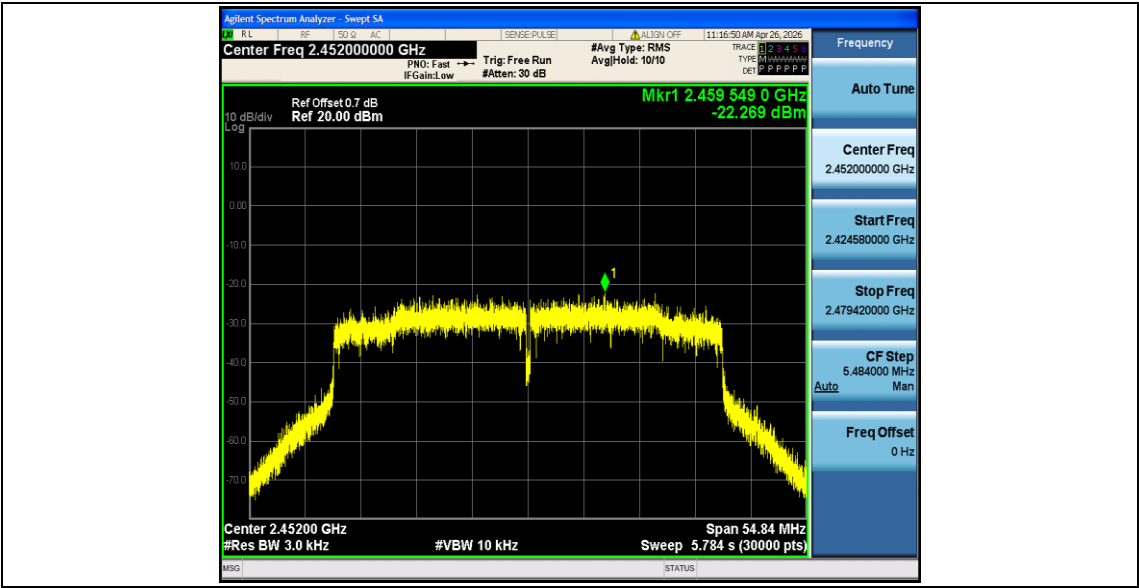
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



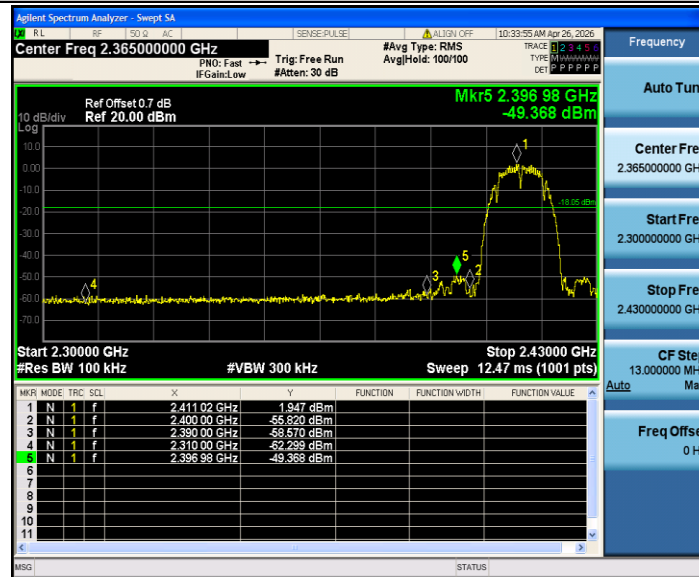
Appendix E: Band edge measurements

Test Result

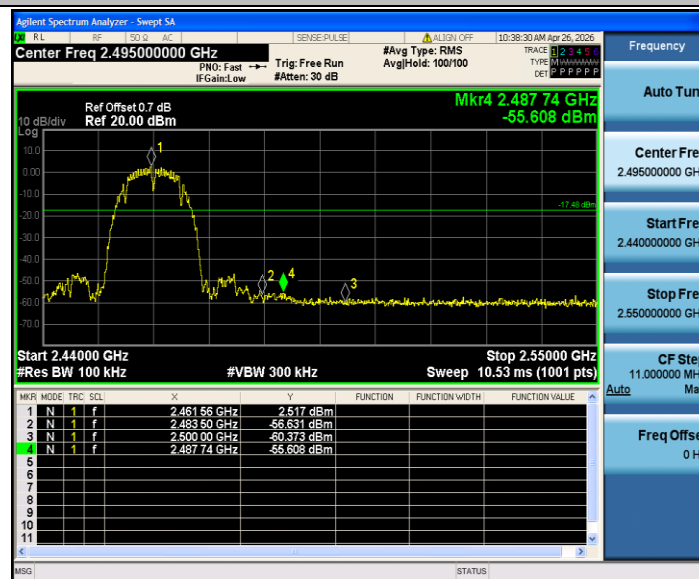
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.95	-49.37	≤-18.05	PASS
		High	2462	2.52	-55.61	≤-17.48	PASS
11G	Ant1	Low	2412	-1.93	-34.38	≤-21.93	PASS
		High	2462	-1.43	-57.35	≤-21.43	PASS
11N20SISO	Ant1	Low	2412	-1.95	-34.83	≤-21.95	PASS
		High	2462	-1.54	-57.58	≤-21.54	PASS
11N40SISO	Ant1	Low	2422	-5.86	-33.65	≤-25.86	PASS
		High	2452	-5.55	-56.56	≤-25.55	PASS
11AX20SISO	Ant1	Low	2412	-3.19	-31.36	≤-23.19	PASS
		High	2462	-3.13	-57.92	≤-23.13	PASS
11AX40SISO	Ant1	Low	2422	-6.66	-35.93	≤-26.66	PASS
		High	2452	-6.21	-57.31	≤-26.21	PASS

Test Graphs

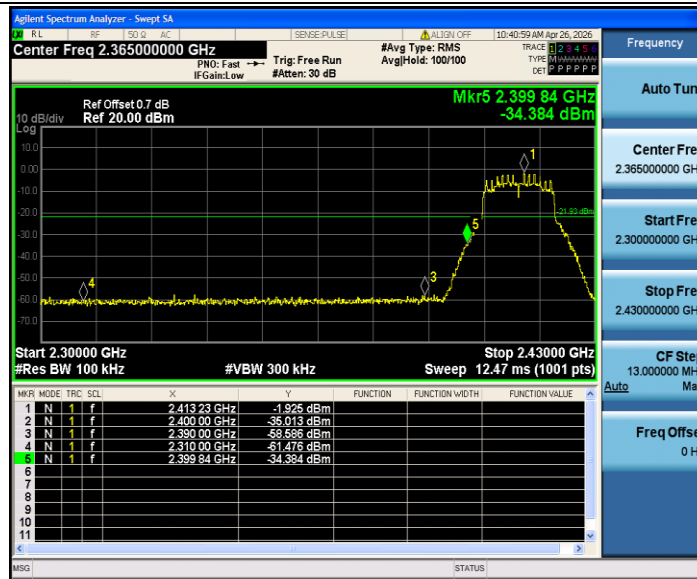
11B_Ant1_Low_2412



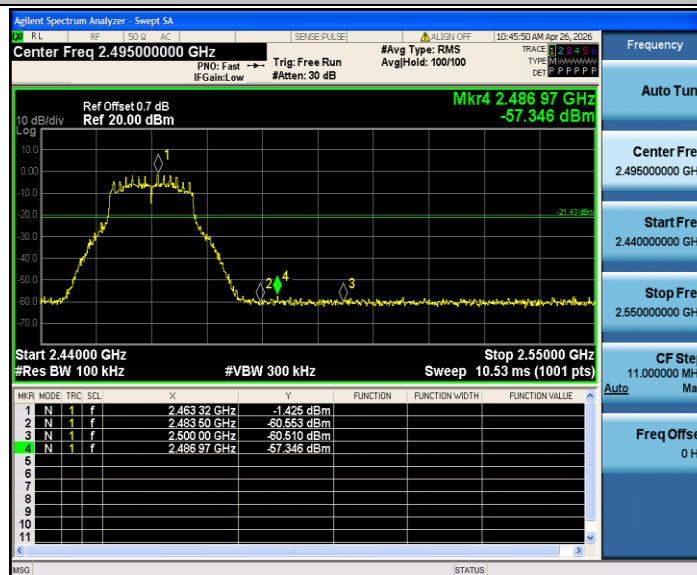
11B_Ant1_High_2462



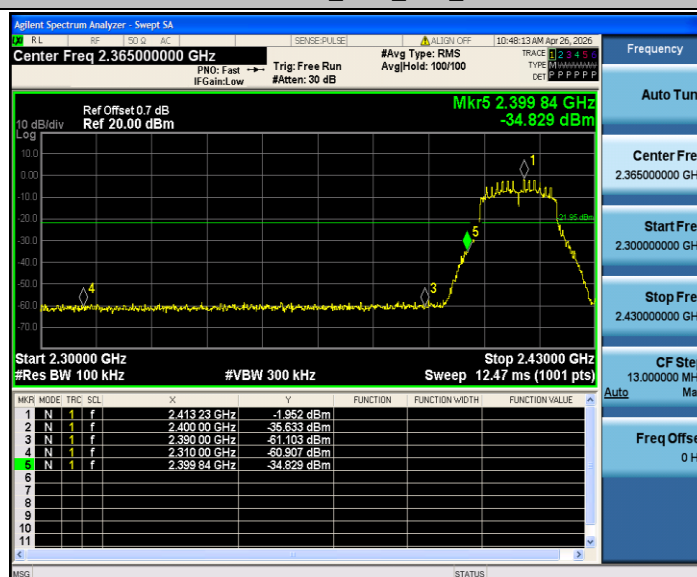
11G_Ant1_Low_2412



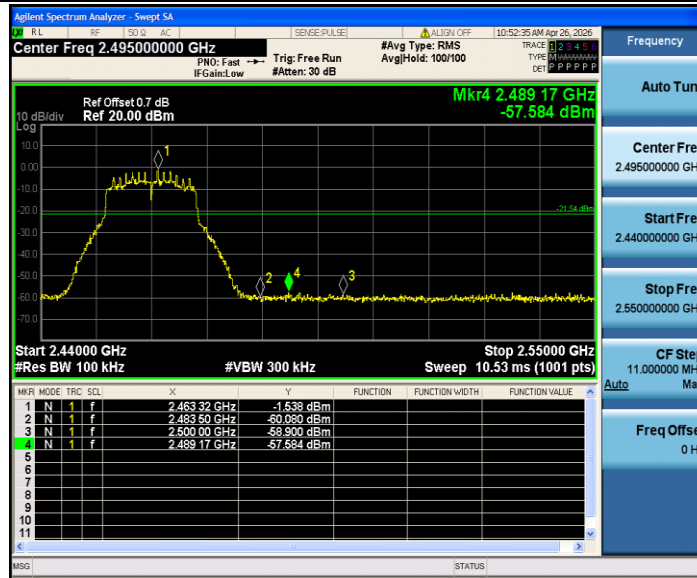
11G_Ant1_High_2462



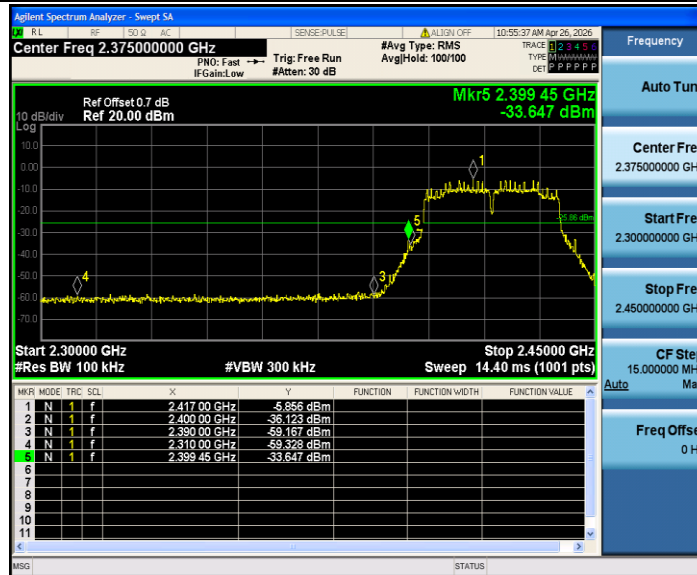
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



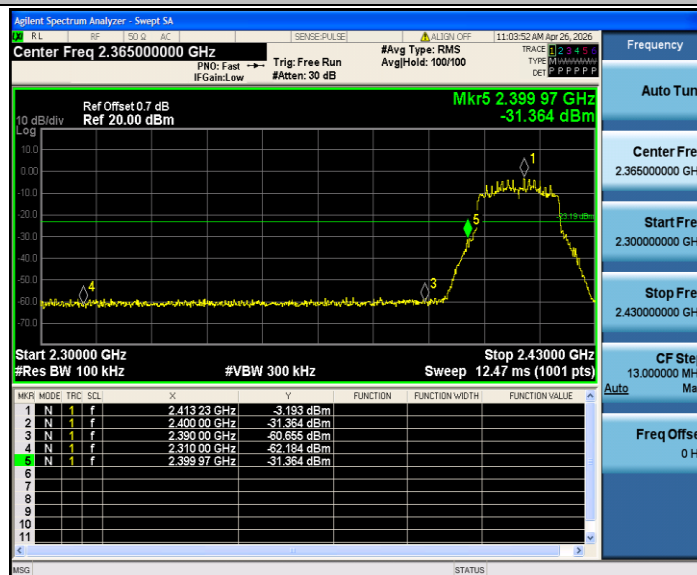
11N40SISO_Ant1_Low_2422



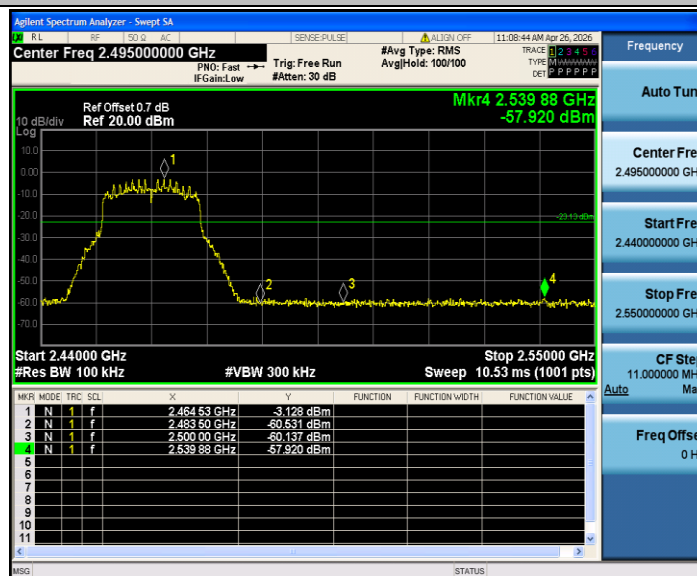
11N40SISO_Ant1_High_2452



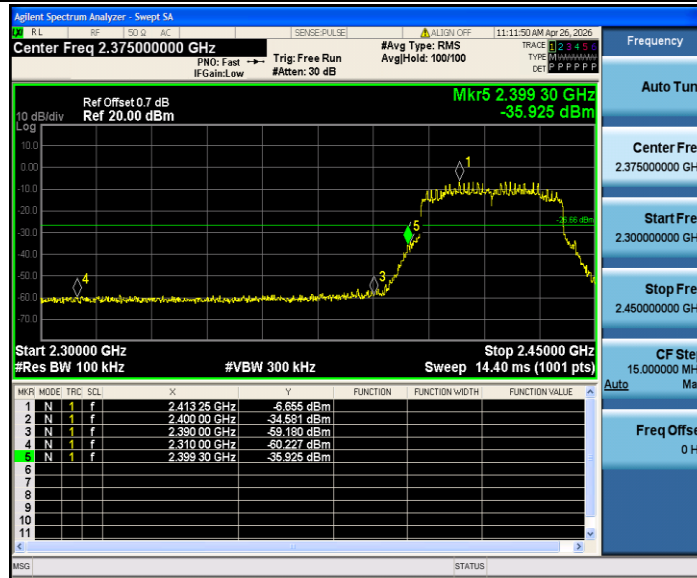
11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452

