

FCC Appendix RF Test Data for 2.4GWiFi

FCC ID : 2BVWM-S30SE

Company : SHARE3DCAM LIMITED

EUT : Real-Scene 3D LiDAR Scanner

Model Number : SHARE3DCAM S30 SE

Report No. : CTA26040801102

Reviewed By : Eric Wang

FCC Appendix RF Test Data for Antenna 1

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	10.160	2431.960	2442.120	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.840	2404.120	2419.960	0.5	PASS
		2437	15.400	2429.440	2444.840	0.5	PASS
		2462	15.720	2454.080	2469.800	0.5	PASS
11N20SISO	Ant1	2412	16.840	2403.760	2420.600	0.5	PASS
		2437	16.640	2428.720	2445.360	0.5	PASS
		2462	16.560	2454.000	2470.560	0.5	PASS
11N40SISO	Ant1	2422	35.280	2404.400	2439.680	0.5	PASS
		2437	34.880	2419.960	2454.840	0.5	PASS
		2452	36.000	2434.080	2470.080	0.5	PASS
11AX20SISO	Ant1	2412	17.680	2403.200	2420.880	0.5	PASS
		2437	18.560	2427.920	2446.480	0.5	PASS
		2462	18.440	2452.840	2471.280	0.5	PASS
11AX40SISO	Ant1	2422	34.480	2406.160	2440.640	0.5	PASS
		2437	34.720	2419.000	2453.720	0.5	PASS
		2452	33.440	2437.120	2470.560	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437





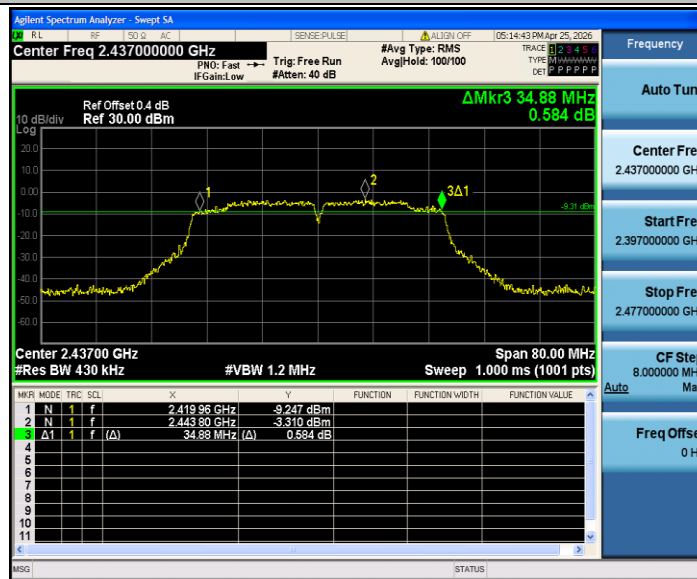
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



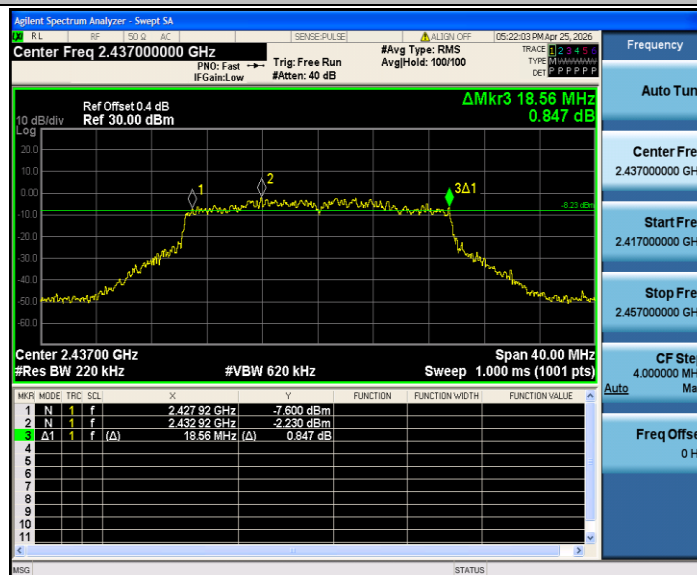
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412

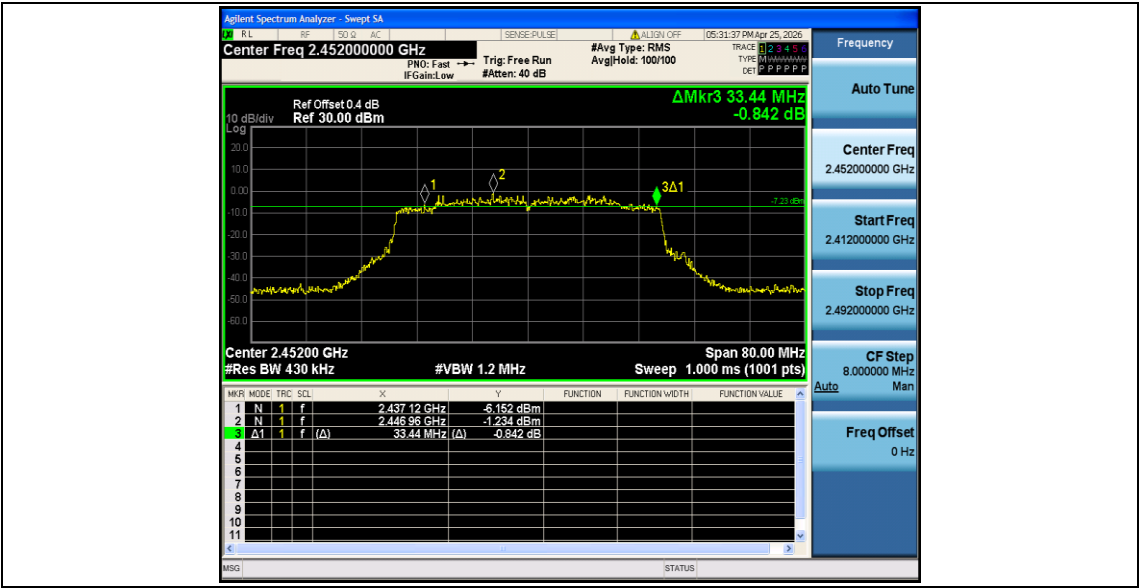


11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462





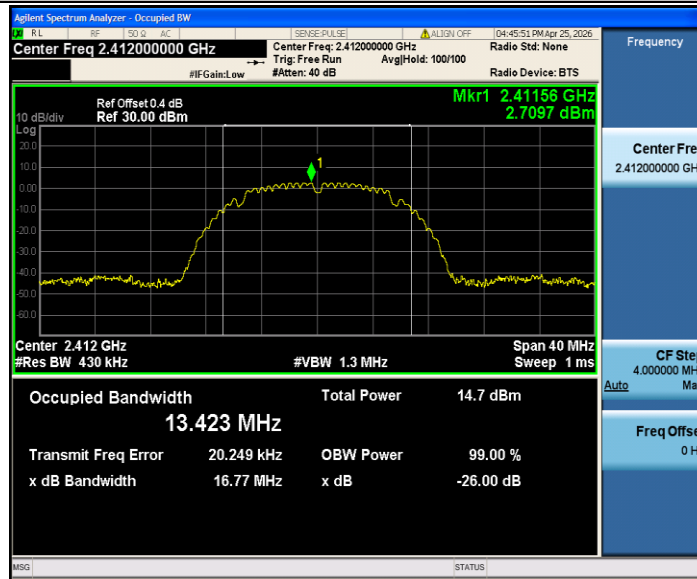
Appendix B: Occupied Channel Bandwidth

Test Result

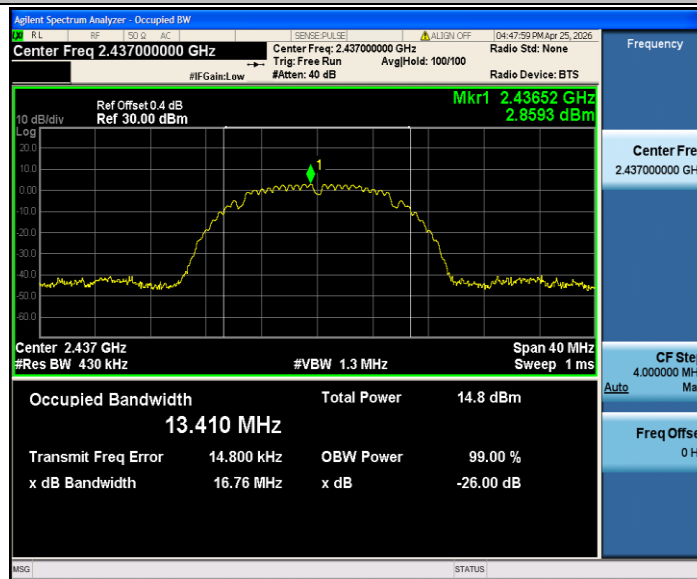
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.423	2405.3088	2418.7318	---	---
		2437	13.410	2430.3098	2443.7198	---	---
		2462	13.434	2455.2913	2468.7253	---	---
11G	Ant1	2412	16.839	2403.6323	2420.4713	---	---
		2437	16.857	2428.5843	2445.4413	---	---
		2462	16.881	2453.6089	2470.4899	---	---
11N20SISO	Ant1	2412	17.909	2403.0761	2420.9851	---	---
		2437	17.840	2428.1001	2445.9401	---	---
		2462	17.882	2453.0635	2470.9455	---	---
11N40SISO	Ant1	2422	36.027	2404.1221	2440.1491	---	---
		2437	36.000	2419.1104	2455.1104	---	---
		2452	36.031	2434.0923	2470.1233	---	---
11AX20SISO	Ant1	2412	18.902	2402.5952	2421.4972	---	---
		2437	18.951	2427.5302	2446.4812	---	---
		2462	18.908	2452.5430	2471.4510	---	---
11AX40SISO	Ant1	2422	37.629	2403.2872	2440.9162	---	---
		2437	37.577	2418.3127	2455.8897	---	---
		2452	37.506	2433.4206	2470.9266	---	---

Test Graphs

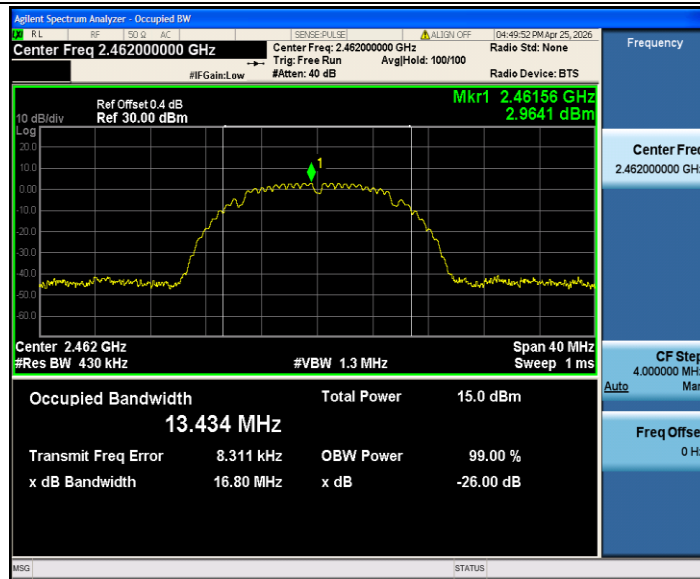
11B_Ant1_2412



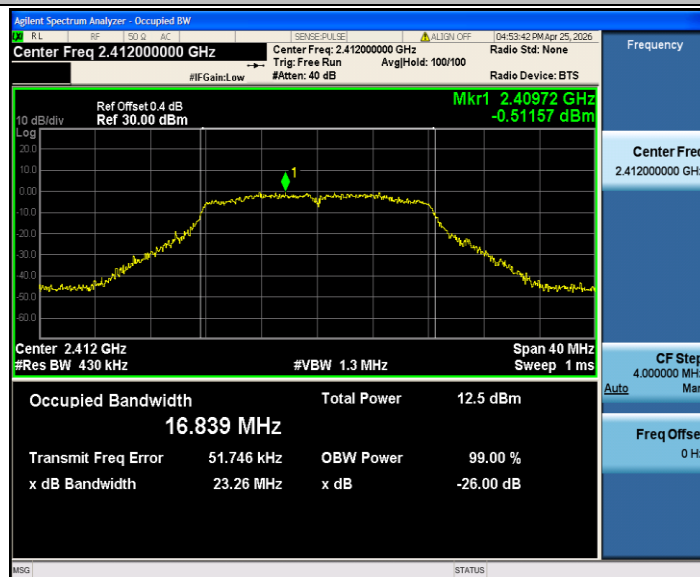
11B_Ant1_2437



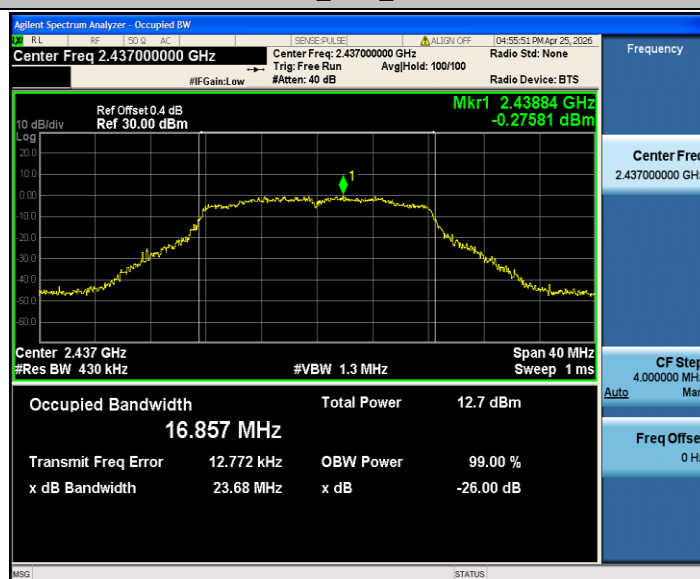
11B_Ant1_2462



11G_Ant1_2412



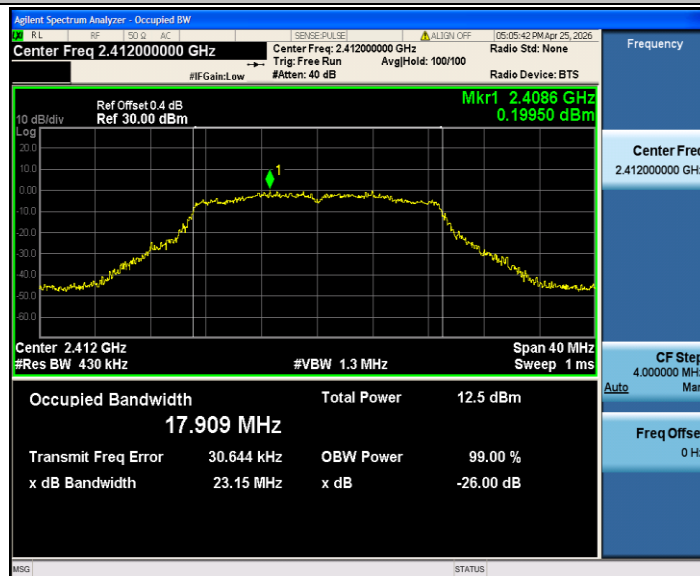
11G_Ant1_2437



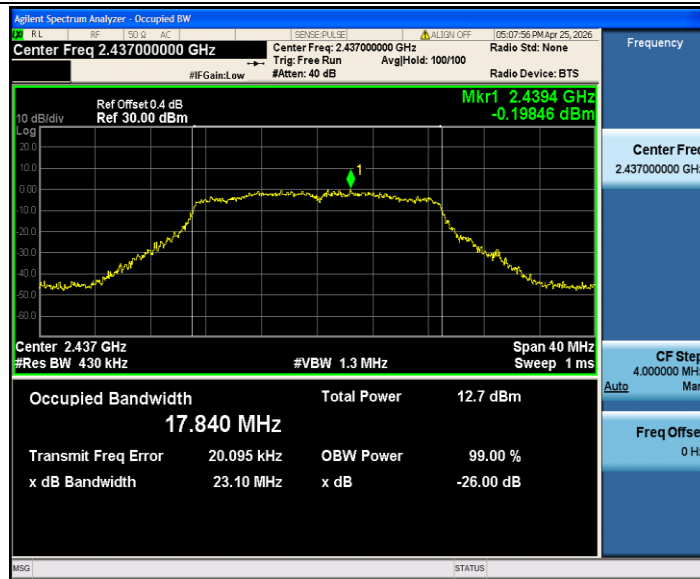
11G_Ant1_2462



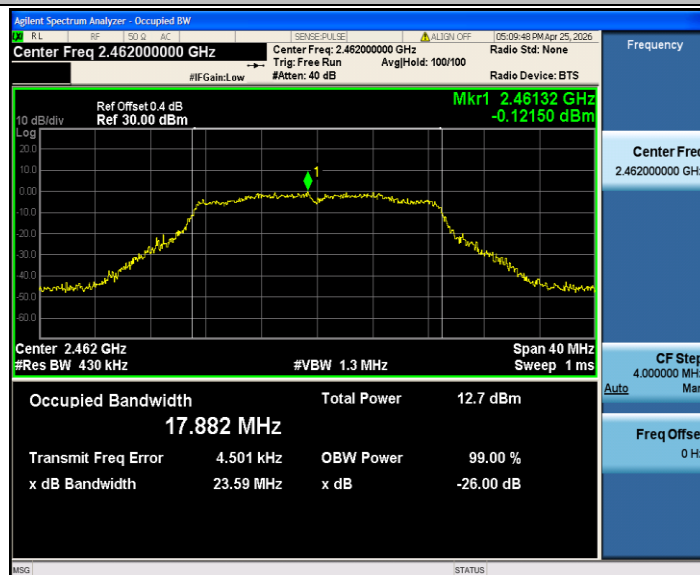
11N20SISO_Ant1_2412



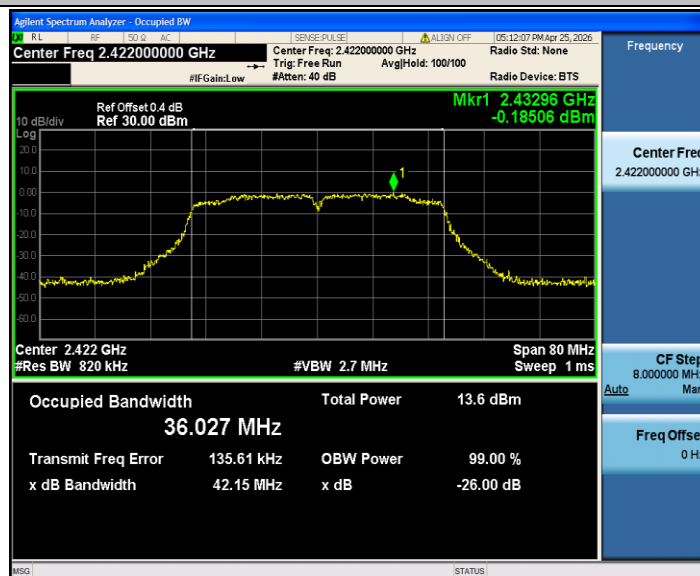
11N20SISO_Ant1_2437



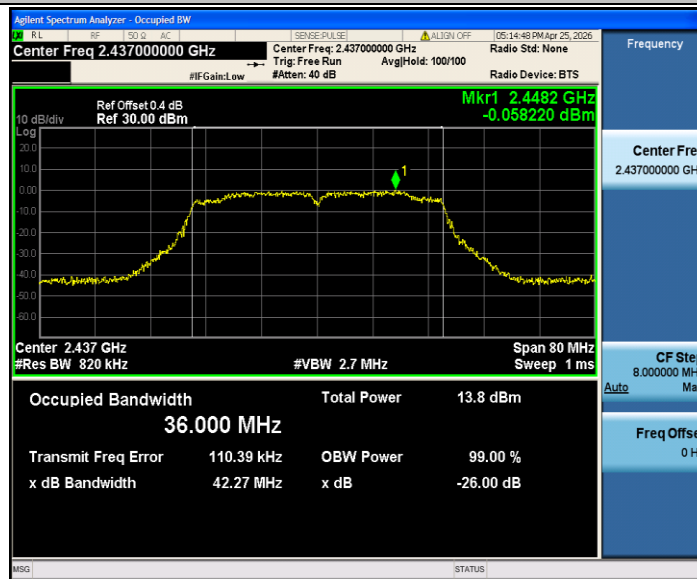
11N20SISO_Ant1_2462



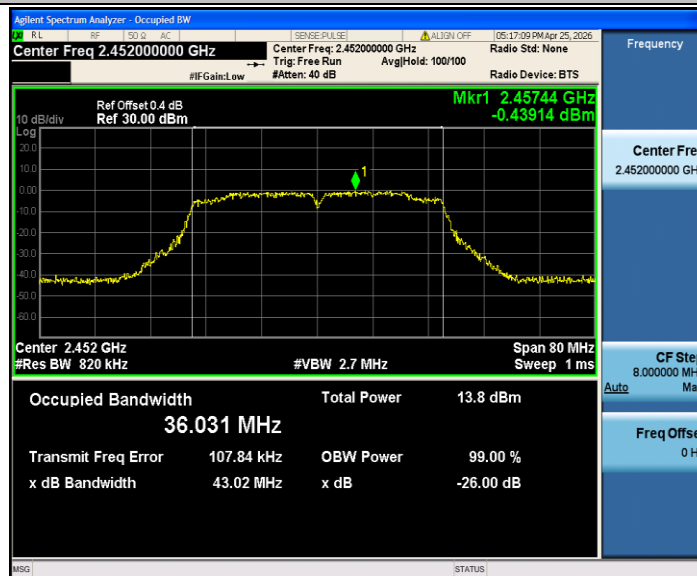
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



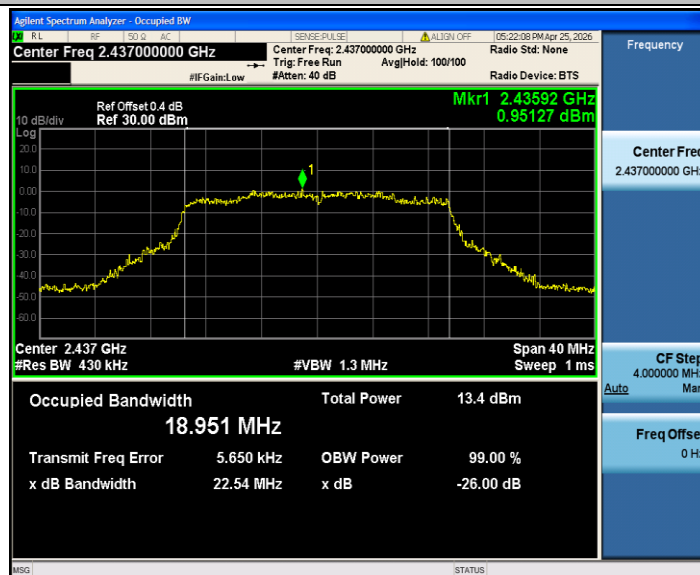
11N40SISO_Ant1_2452



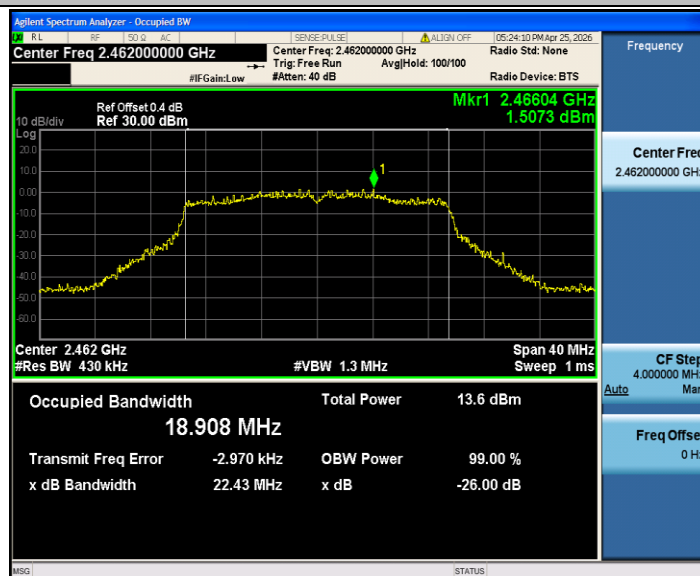
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



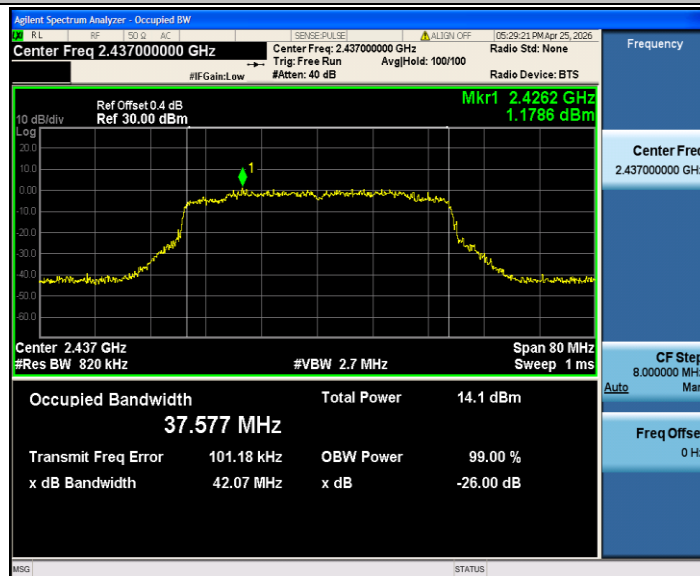
11AX20SISO_Ant1_2462



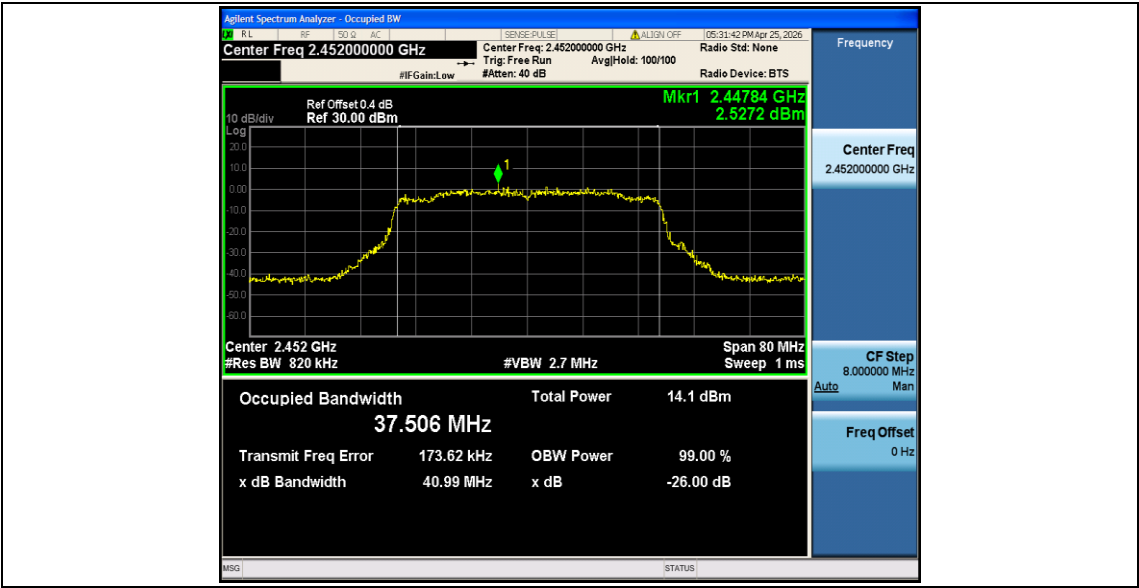
11AX40SISO_Ant1_2422



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	14.38	≤30.00	PASS
		2437	14.54	≤30.00	PASS
		2462	14.64	≤30.00	PASS
11G	Ant1	2412	13.56	≤30.00	PASS
		2437	13.59	≤30.00	PASS
		2462	13.75	≤30.00	PASS
11N20SISO	Ant1	2412	13.39	≤30.00	PASS
		2437	13.49	≤30.00	PASS
		2462	13.53	≤30.00	PASS
11N40SISO	Ant1	2422	13.72	≤30.00	PASS
		2437	14.00	≤30.00	PASS
		2452	14.00	≤30.00	PASS
11AX20SISO	Ant1	2412	13.75	≤30.00	PASS
		2437	13.88	≤30.00	PASS
		2462	14.16	≤30.00	PASS
11AX40SISO	Ant1	2422	13.67	≤30.00	PASS
		2437	13.94	≤30.00	PASS
		2452	13.82	≤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	-11.92	≤8.00	PASS
		2437	-11.52	≤8.00	PASS
		2462	-11.52	≤8.00	PASS
11G	Ant1	2412	-17.16	≤8.00	PASS
		2437	-18.47	≤8.00	PASS
		2462	-17.30	≤8.00	PASS
11N20SISO	Ant1	2412	-18.27	≤8.00	PASS
		2437	-17.32	≤8.00	PASS
		2462	-17.02	≤8.00	PASS
11N40SISO	Ant1	2422	-20.81	≤8.00	PASS
		2437	-20.49	≤8.00	PASS
		2452	-20.00	≤8.00	PASS
11AX20SISO	Ant1	2412	-19.35	≤8.00	PASS
		2437	-19.30	≤8.00	PASS
		2462	-19.19	≤8.00	PASS
11AX40SISO	Ant1	2422	-21.80	≤8.00	PASS
		2437	-21.36	≤8.00	PASS
		2452	-22.00	≤8.00	PASS

Test Graphs

11B_Ant1_2412



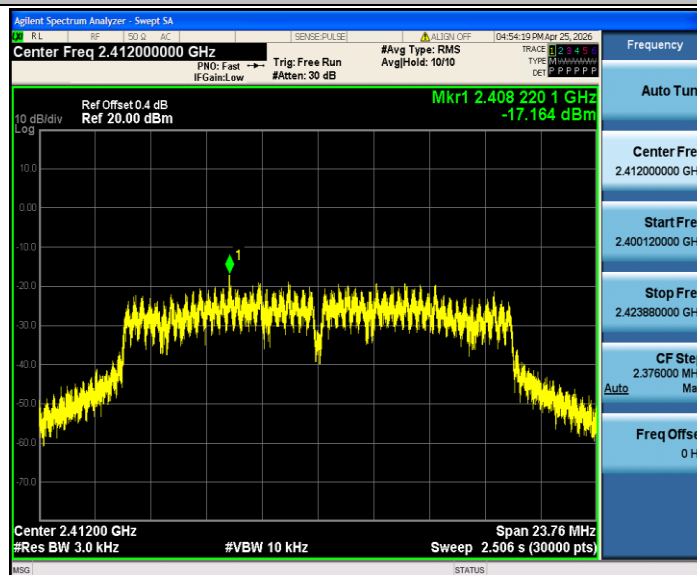
11B_Ant1_2437



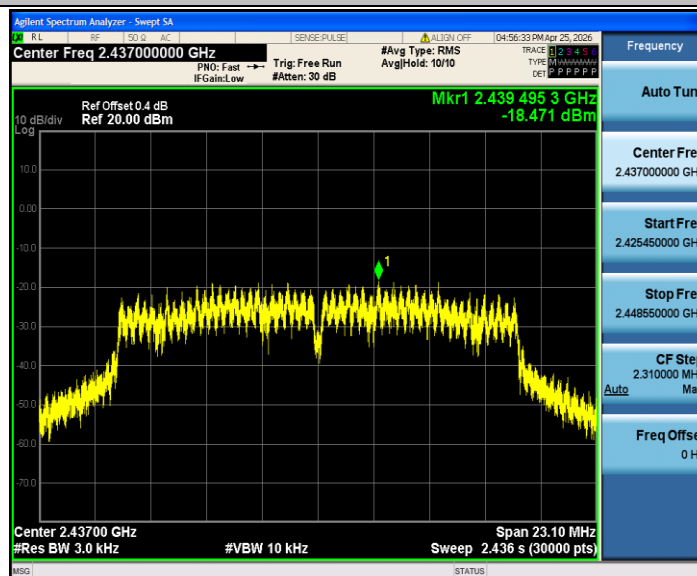
11B_Ant1_2462



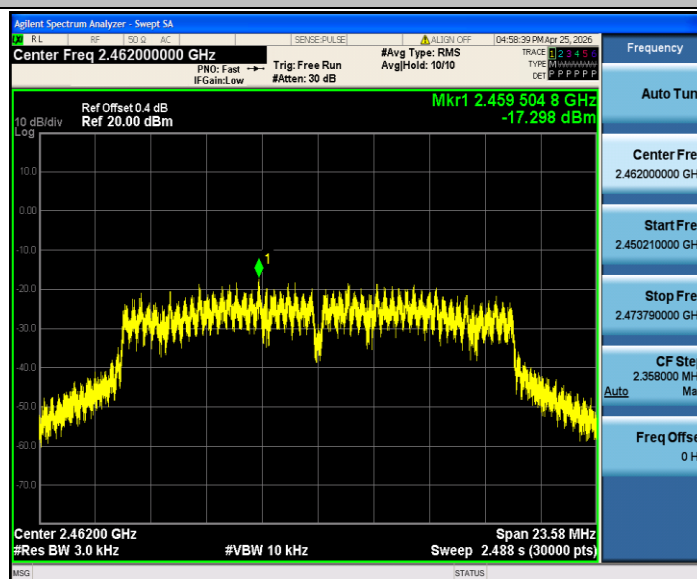
11G_Ant1_2412



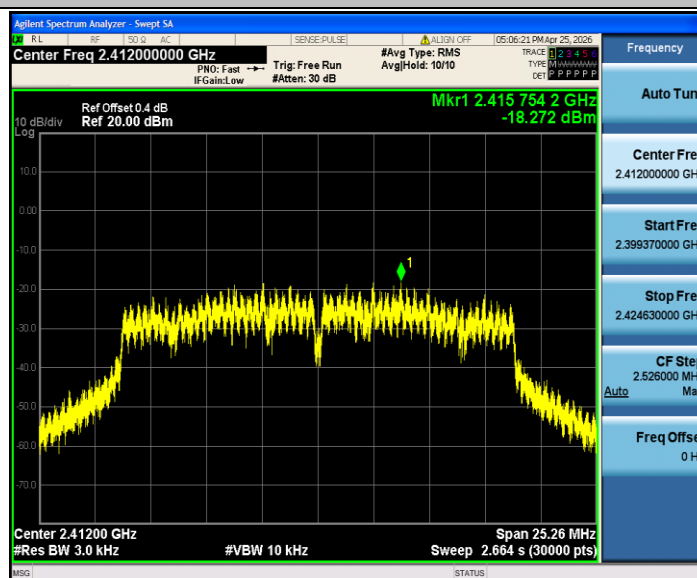
11G_Ant1_2437



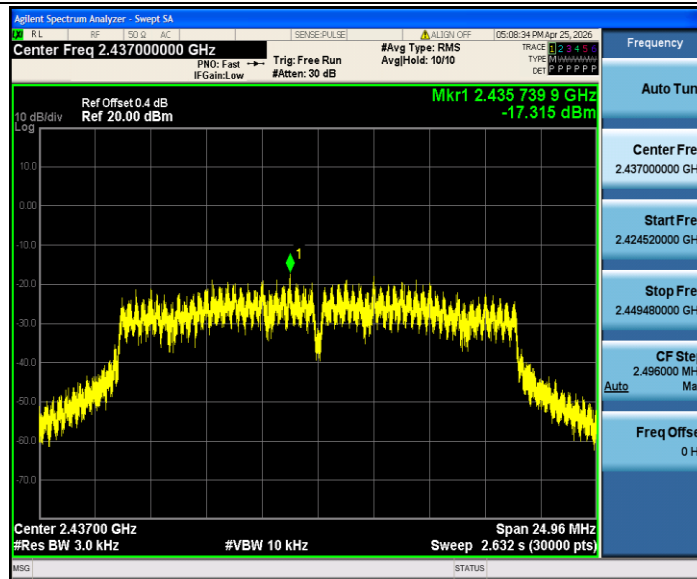
11G_Ant1_2462



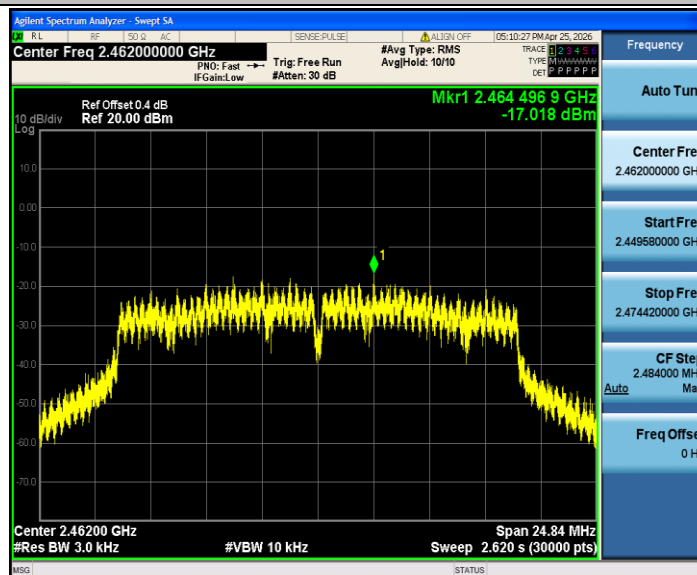
11N20SISO_Ant1_2412



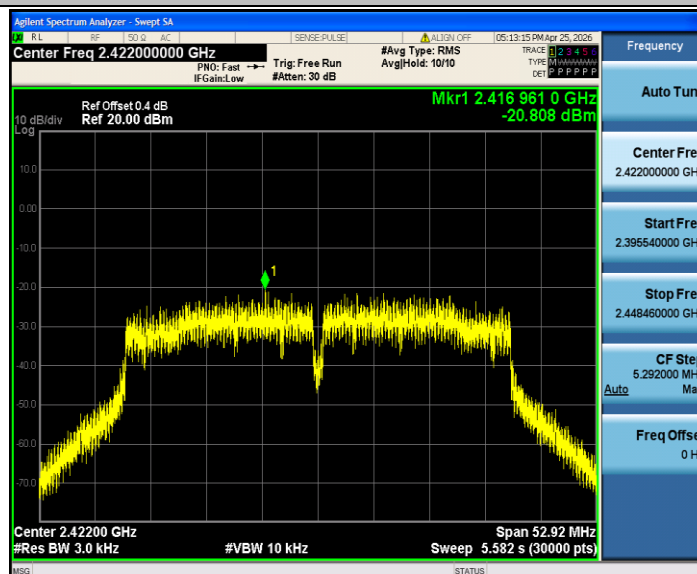
11N20SISO_Ant1_2437



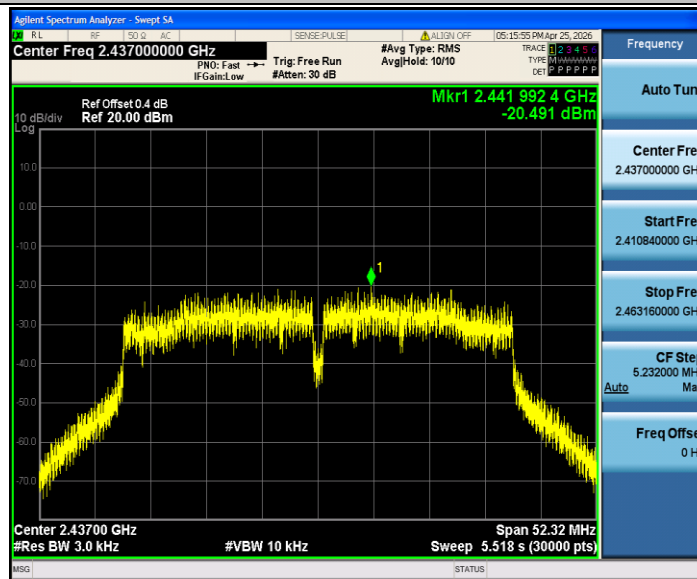
11N20SISO_Ant1_2462



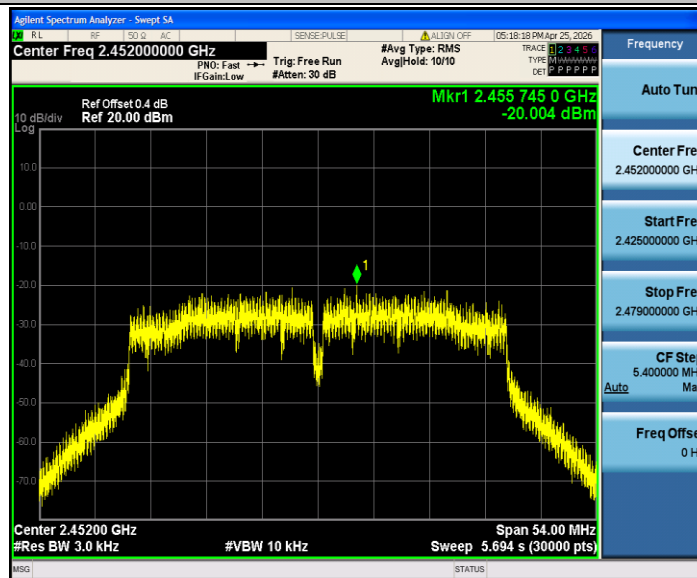
11N40SISO_Ant1_2422



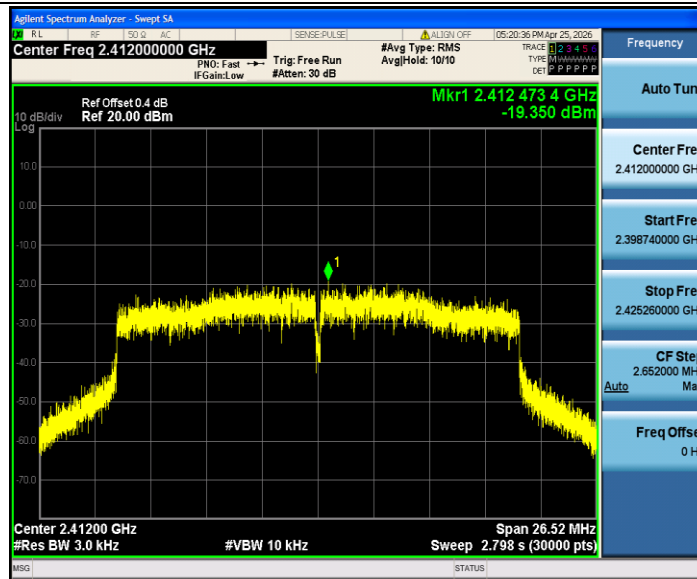
11N40SISO_Ant1_2437



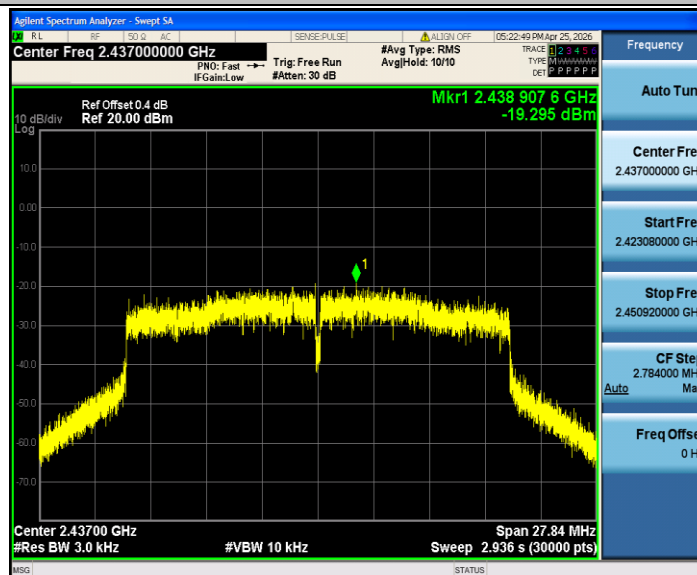
11N40SISO_Ant1_2452



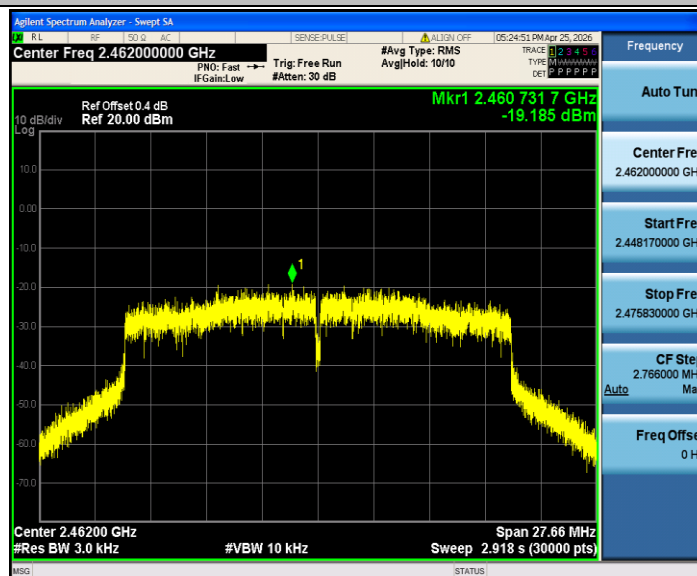
11AX20SISO_Ant1_2412



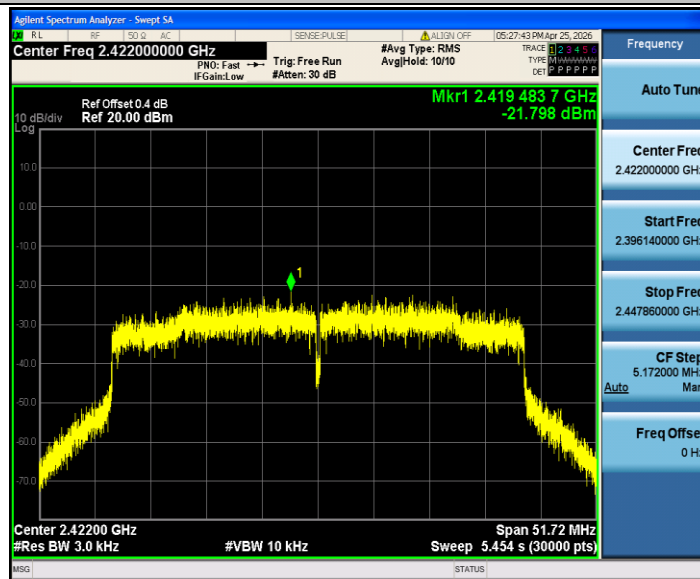
11AX20SISO_Ant1_2437



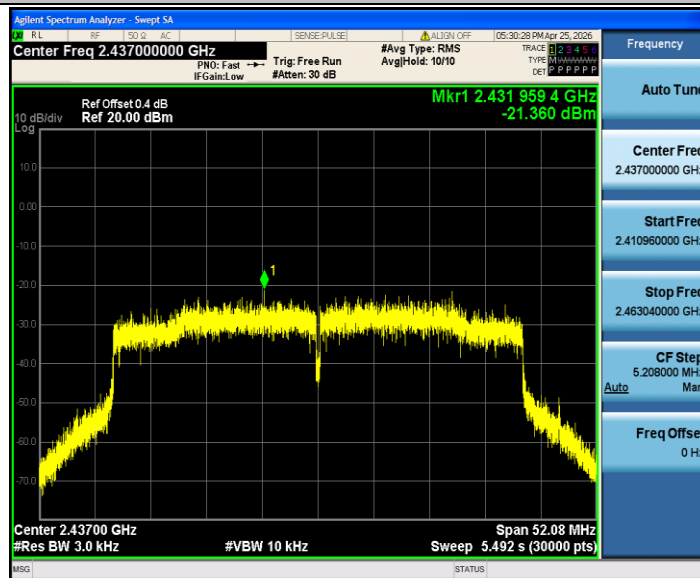
11AX20SISO_Ant1_2462



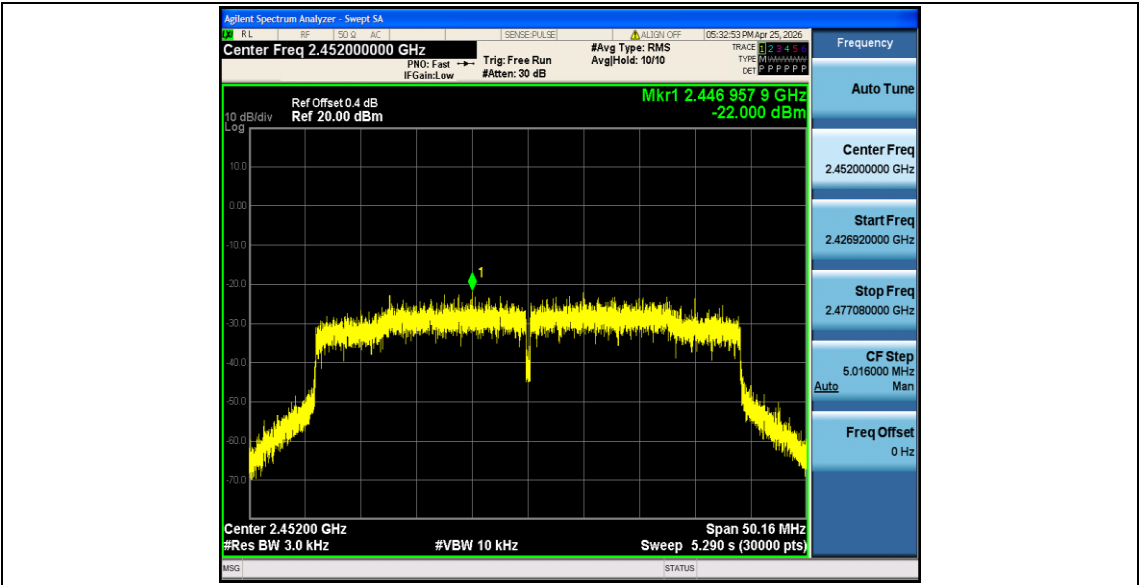
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



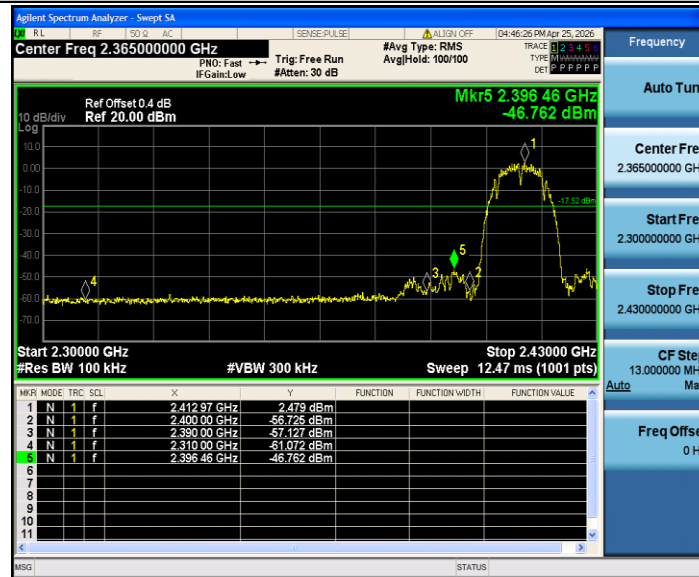
Appendix E: Band edge measurements

Test Result

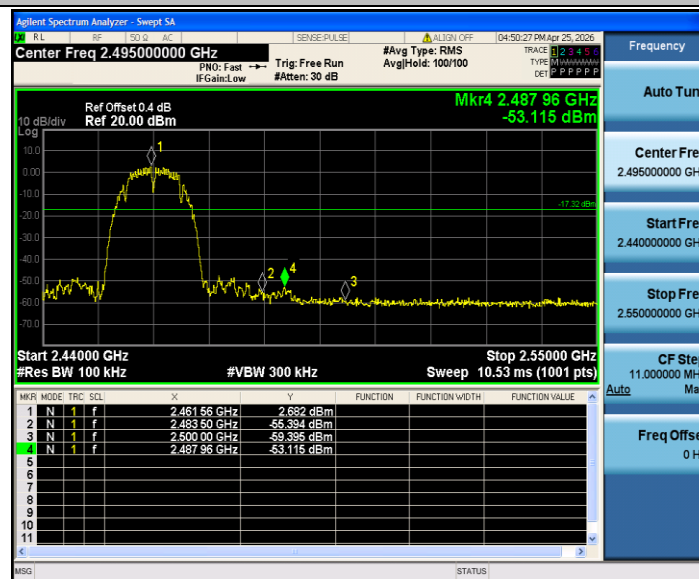
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.48	-46.76	≤-17.52	PASS
		High	2462	2.68	-53.12	≤-17.32	PASS
11G	Ant1	Low	2412	-3.14	-35.73	≤-23.14	PASS
		High	2462	-2.92	-57.67	≤-22.92	PASS
11N20SISO	Ant1	Low	2412	-3.05	-36.18	≤-23.05	PASS
		High	2462	-2.82	-57.47	≤-22.82	PASS
11N40SISO	Ant1	Low	2422	-6.13	-34.53	≤-26.13	PASS
		High	2452	-6.05	-57.96	≤-26.05	PASS
11AX20SISO	Ant1	Low	2412	-3.46	-33.24	≤-23.46	PASS
		High	2462	-3.20	-57.53	≤-23.2	PASS
11AX40SISO	Ant1	Low	2422	-6.60	-36.25	≤-26.6	PASS
		High	2452	-6.53	-57.92	≤-26.53	PASS

Test Graphs

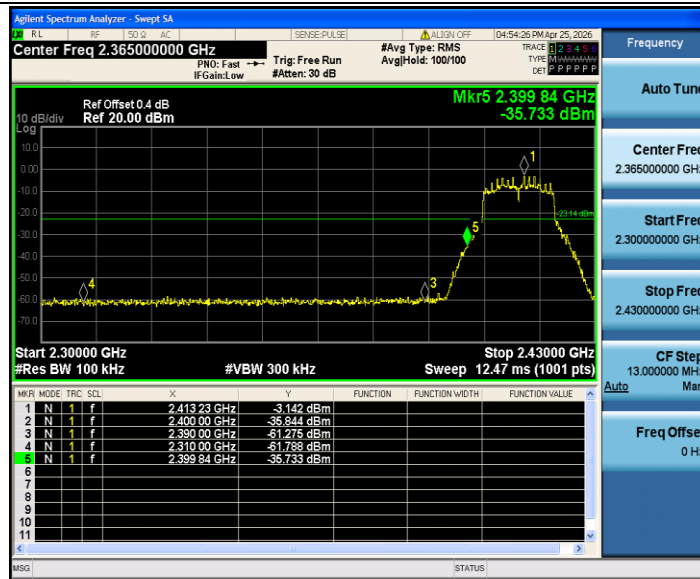
11B_Ant1_Low_2412



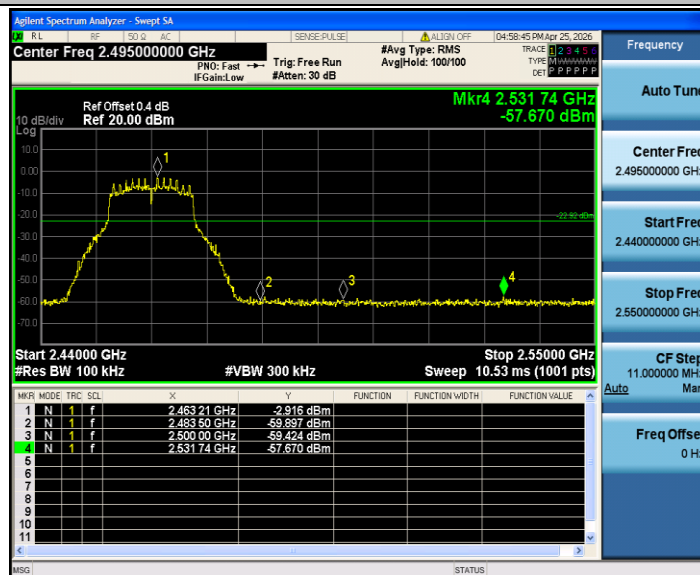
11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412

