
FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BVWM-S30PRO

Company : SHARE3DCAM LIMITED

EUT : Real-Scene 3D LiDAR Scanner

Model Number : SHARE3DCAM S30 PRO

Report No. : CTA26040800502

Reviewed By : Eric Wang

FCC Appendix RF Test Data for 2.4GWIFI Ant 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	10.200	2431.920	2442.120	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.560	2404.440	2420.000	0.5	PASS
		2437	15.840	2429.040	2444.880	0.5	PASS
		2462	15.920	2454.040	2469.960	0.5	PASS
11N20SISO	Ant1	2412	16.960	2403.360	2420.320	0.5	PASS
		2437	16.160	2429.040	2445.200	0.5	PASS
		2462	16.960	2453.440	2470.400	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.880	2440.000	0.5	PASS
		2437	34.960	2419.960	2454.920	0.5	PASS
		2452	35.680	2434.240	2469.920	0.5	PASS
11AX20SISO	Ant1	2412	18.240	2403.000	2421.240	0.5	PASS
		2437	18.760	2427.640	2446.400	0.5	PASS
		2462	18.600	2452.600	2471.200	0.5	PASS
11AX40SISO	Ant1	2422	35.600	2405.440	2441.040	0.5	PASS
		2437	36.480	2419.480	2455.960	0.5	PASS
		2452	36.480	2433.840	2470.320	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



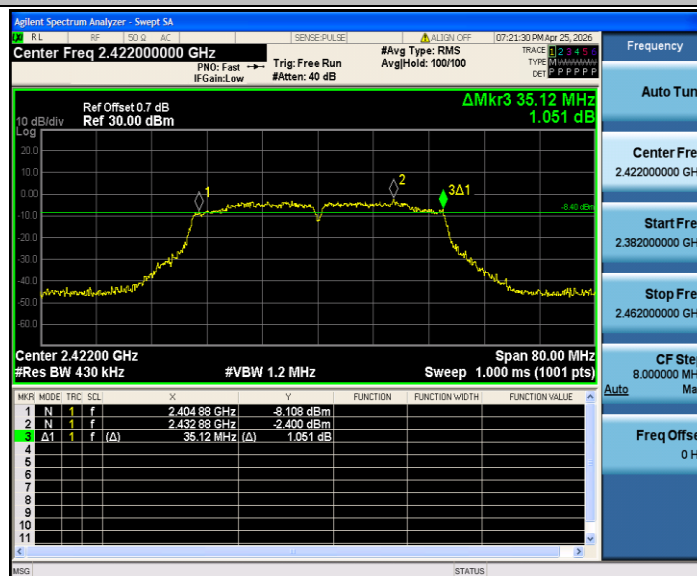
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



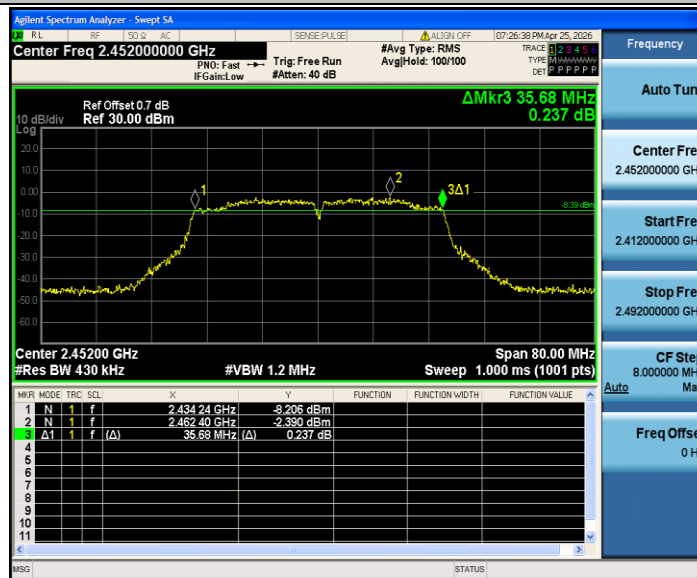
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412

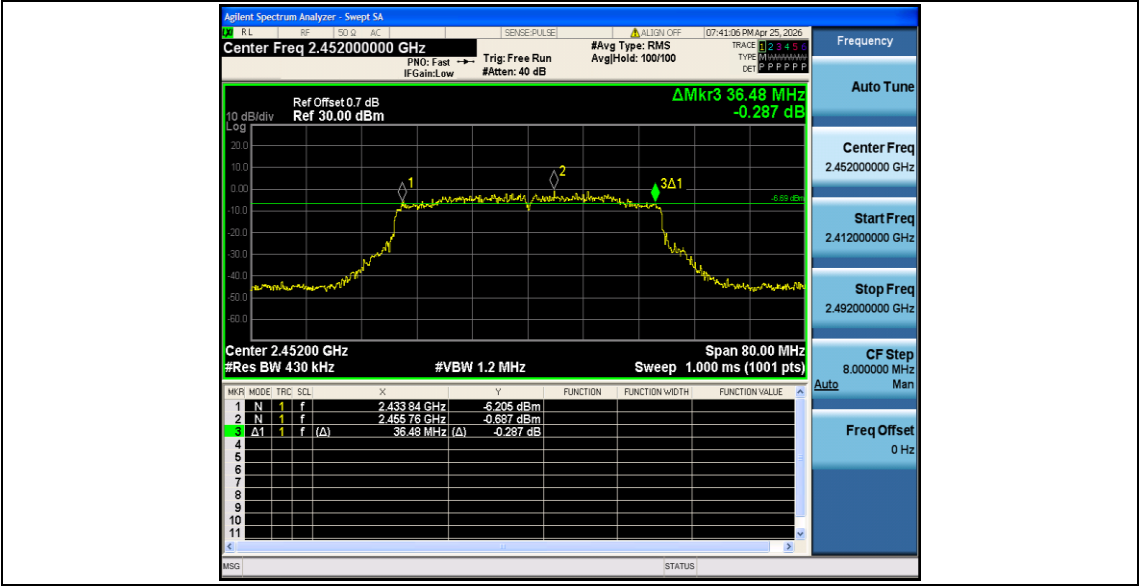


11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462





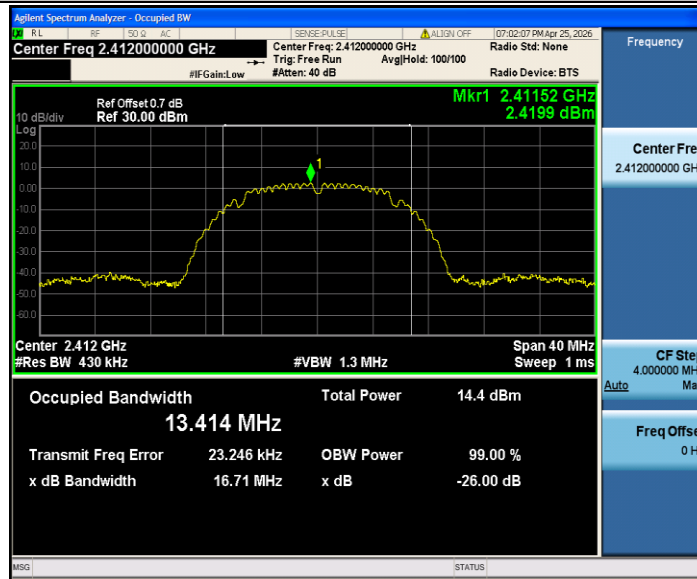
Appendix B: Occupied Channel Bandwidth

Test Result

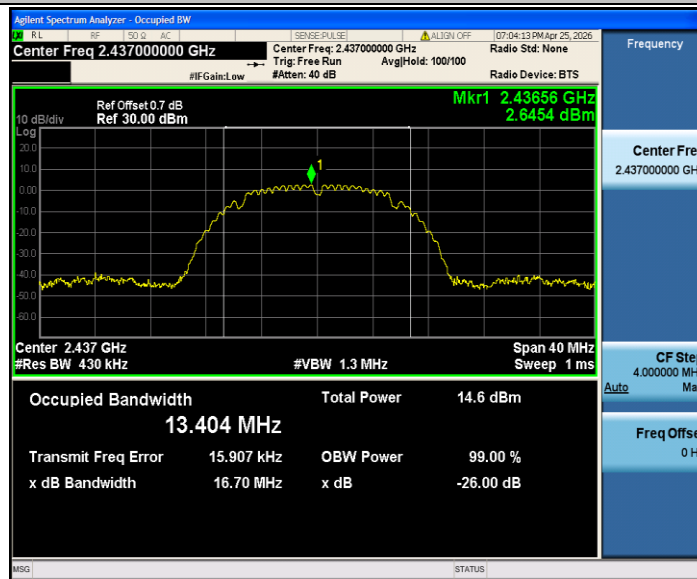
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.414	2405.3163	2418.7303	---	---
		2437	13.404	2430.3139	2443.7179	---	---
		2462	13.422	2455.3000	2468.7220	---	---
11G	Ant1	2412	16.833	2403.6212	2420.4542	---	---
		2437	16.866	2428.6057	2445.4717	---	---
		2462	16.820	2453.6251	2470.4451	---	---
11N20SISO	Ant1	2412	17.861	2403.0850	2420.9460	---	---
		2437	17.921	2428.0599	2445.9809	---	---
		2462	17.891	2453.0913	2470.9823	---	---
11N40SISO	Ant1	2422	36.010	2404.1130	2440.1230	---	---
		2437	36.035	2419.0871	2455.1221	---	---
		2452	36.039	2434.1040	2470.1430	---	---
11AX20SISO	Ant1	2412	18.899	2402.5868	2421.4858	---	---
		2437	18.950	2427.5734	2446.5234	---	---
		2462	18.967	2452.5470	2471.5140	---	---
11AX40SISO	Ant1	2422	37.530	2403.3835	2440.9135	---	---
		2437	37.653	2418.3338	2455.9868	---	---
		2452	37.662	2433.3069	2470.9689	---	---

Test Graphs

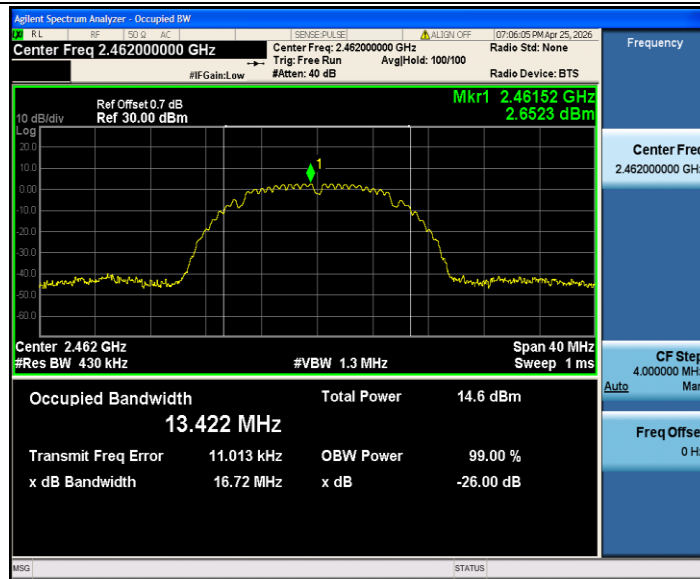
11B_Ant1_2412



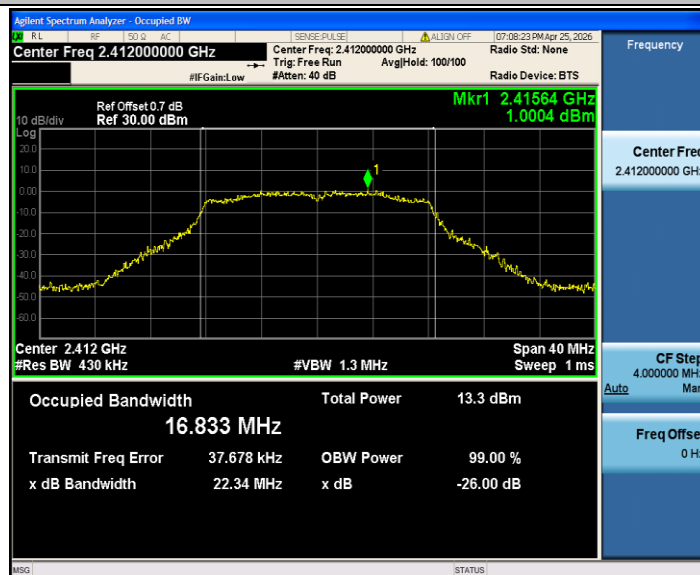
11B_Ant1_2437



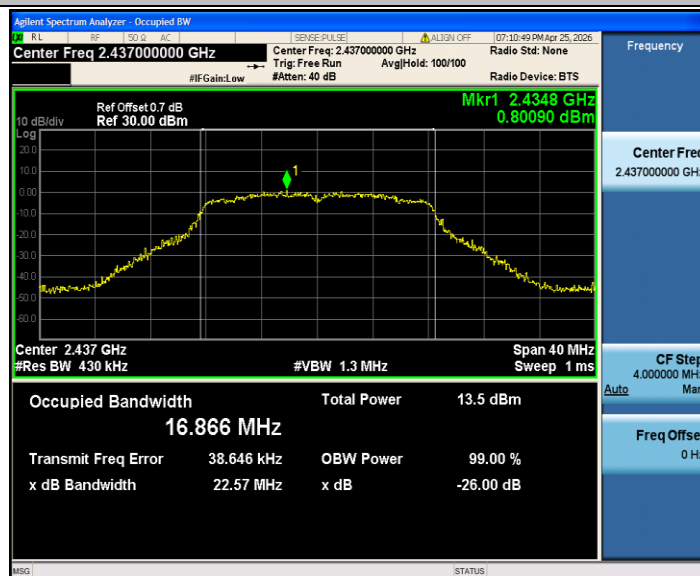
11B_Ant1_2462



11G_Ant1_2412



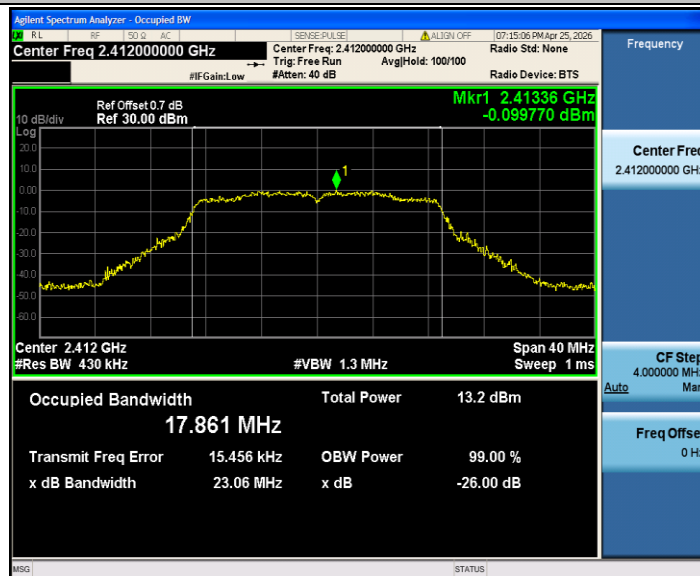
11G_Ant1_2437



11G_Ant1_2462



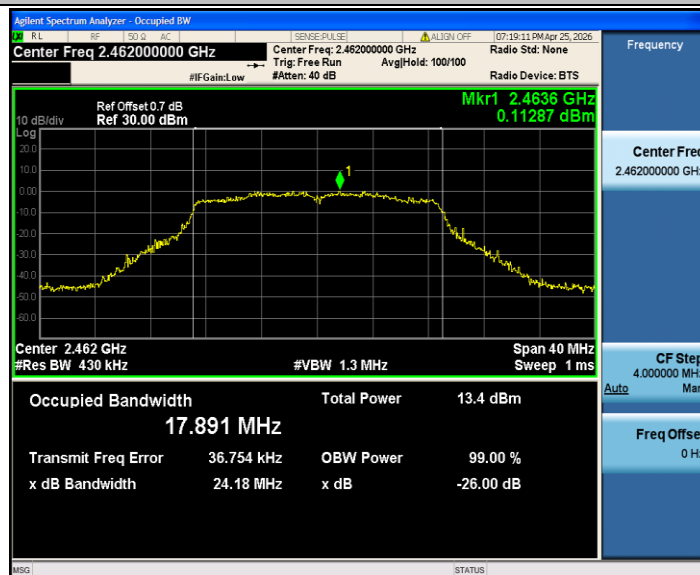
11N20SISO_Ant1_2412



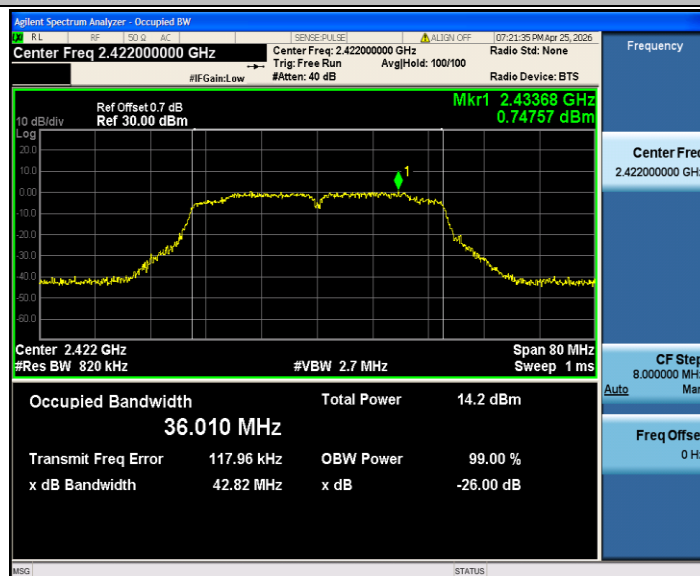
11N20SISO_Ant1_2437



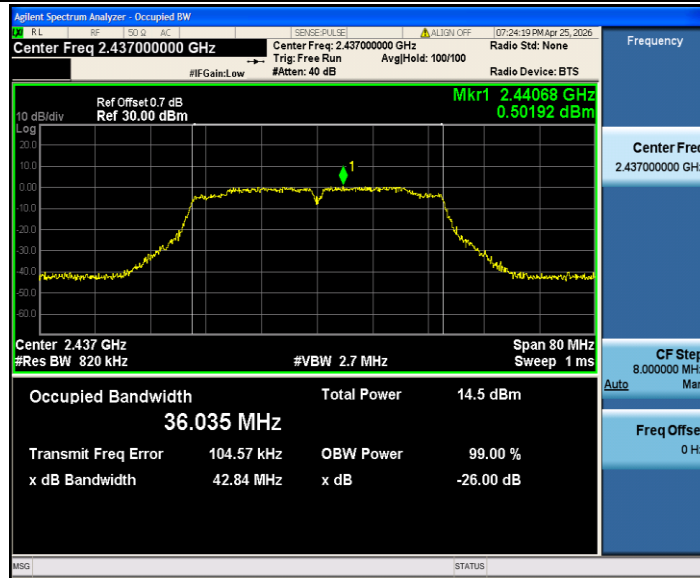
11N20SISO_Ant1_2462



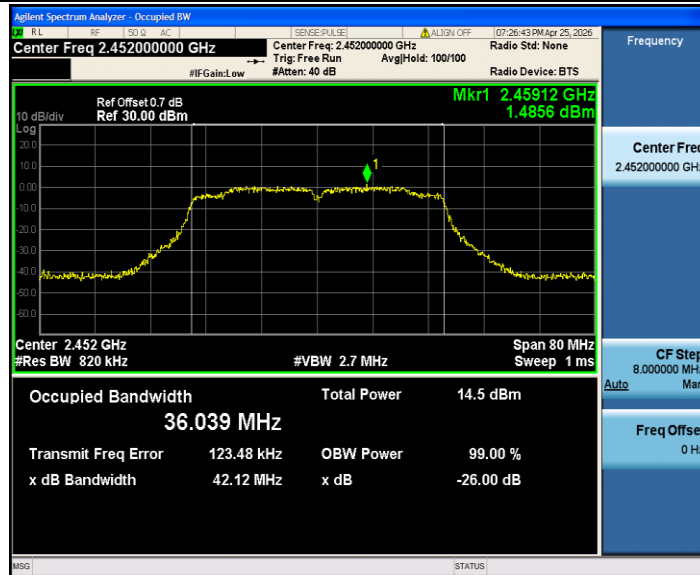
11N40SISO_Ant1_2422



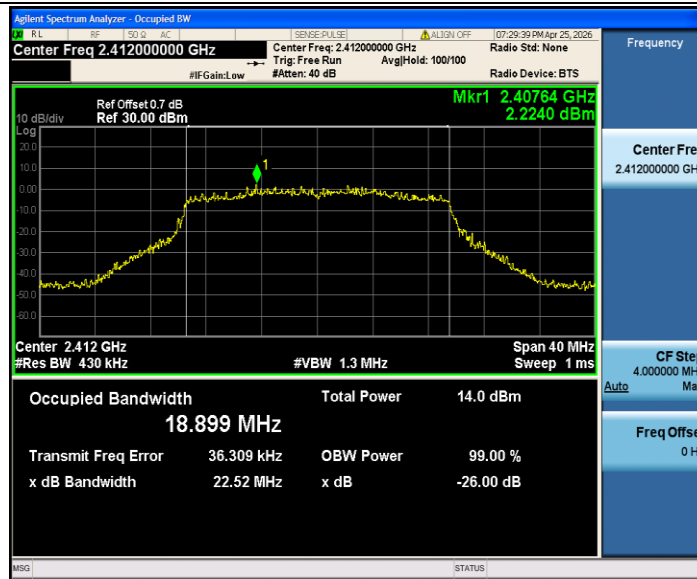
11N40SISO_Ant1_2437



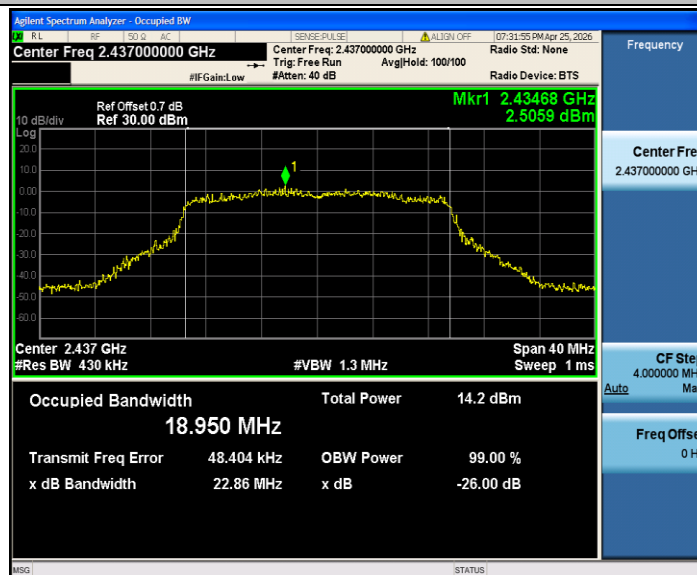
11N40SISO_Ant1_2452



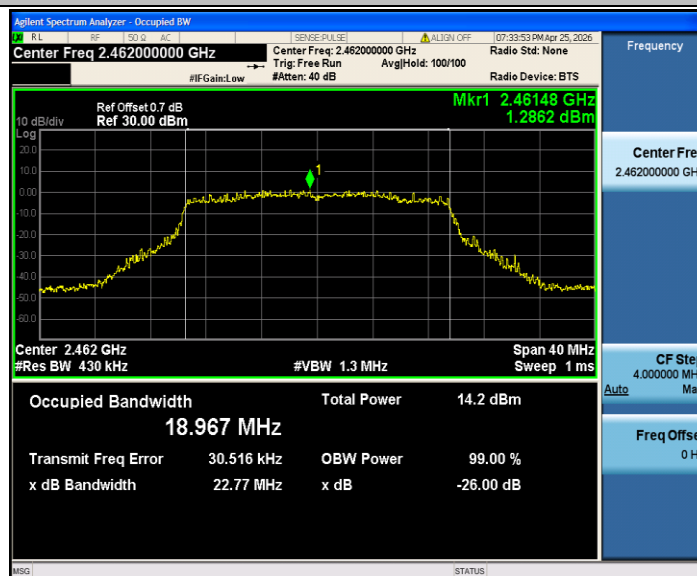
11AX20SISO_Ant1_2412



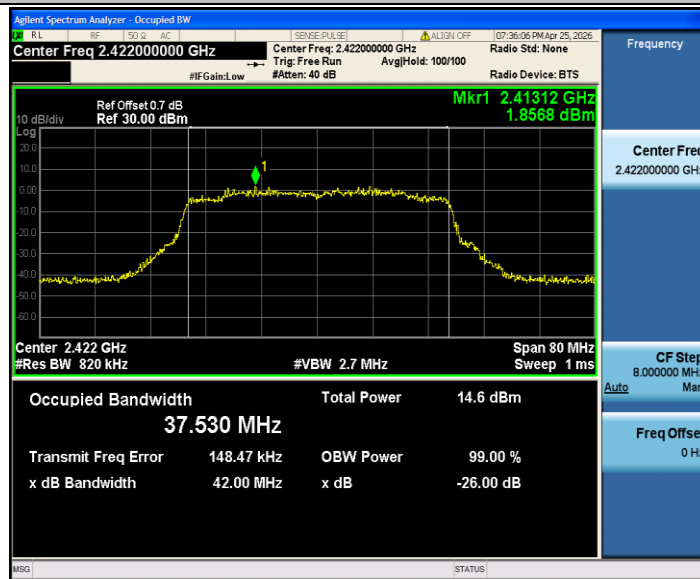
11AX20ISO_Ant1_2437



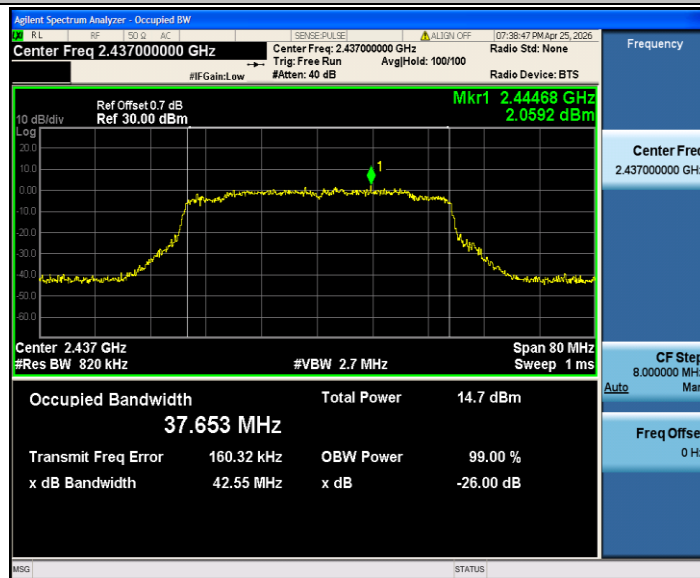
11AX20ISO_Ant1_2462



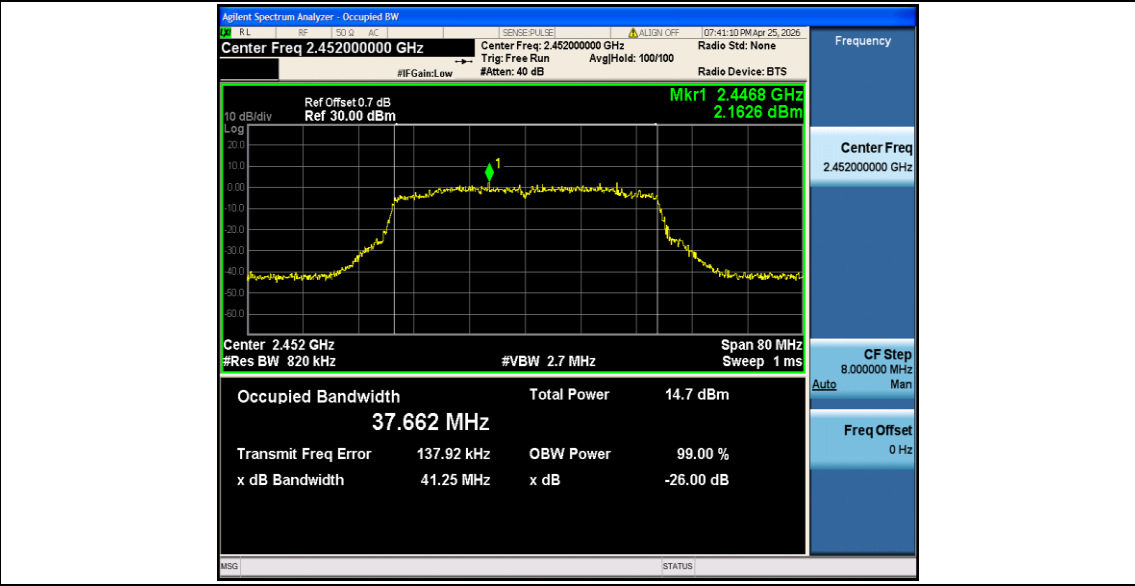
11AX40SISO_Ant1_2422



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	14.09	≤30.00	PASS
		2437	14.28	≤30.00	PASS
		2462	14.39	≤30.00	PASS
11G	Ant1	2412	14.19	≤30.00	PASS
		2437	14.36	≤30.00	PASS
		2462	14.43	≤30.00	PASS
11N20SISO	Ant1	2412	13.92	≤30.00	PASS
		2437	14.07	≤30.00	PASS
		2462	14.36	≤30.00	PASS
11N40SISO	Ant1	2422	14.42	≤30.00	PASS
		2437	14.65	≤30.00	PASS
		2452	14.47	≤30.00	PASS
11AX20SISO	Ant1	2412	14.44	≤30.00	PASS
		2437	14.70	≤30.00	PASS
		2462	14.67	≤30.00	PASS
11AX40SISO	Ant1	2422	14.33	≤30.00	PASS
		2437	14.76	≤30.00	PASS
		2452	14.73	≤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	-11.65	≤8.00	PASS
		2437	-11.41	≤8.00	PASS
		2462	-10.67	≤8.00	PASS
11G	Ant1	2412	-17.50	≤8.00	PASS
		2437	-17.49	≤8.00	PASS
		2462	-17.08	≤8.00	PASS
11N20SISO	Ant1	2412	-17.87	≤8.00	PASS
		2437	-17.11	≤8.00	PASS
		2462	-16.25	≤8.00	PASS
11N40SISO	Ant1	2422	-19.89	≤8.00	PASS
		2437	-19.67	≤8.00	PASS
		2452	-19.73	≤8.00	PASS
11AX20SISO	Ant1	2412	-19.29	≤8.00	PASS
		2437	-18.36	≤8.00	PASS
		2462	-18.84	≤8.00	PASS
11AX40SISO	Ant1	2422	-21.35	≤8.00	PASS
		2437	-21.23	≤8.00	PASS
		2452	-21.72	≤8.00	PASS

Test Graphs

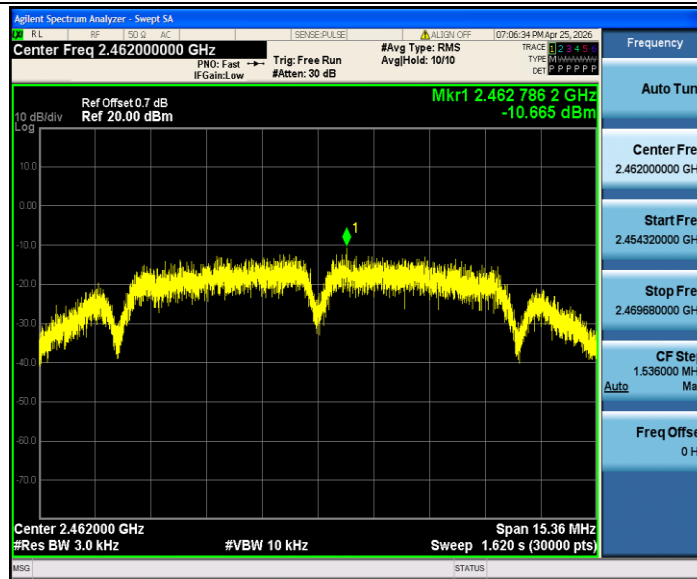
11B_Ant1_2412



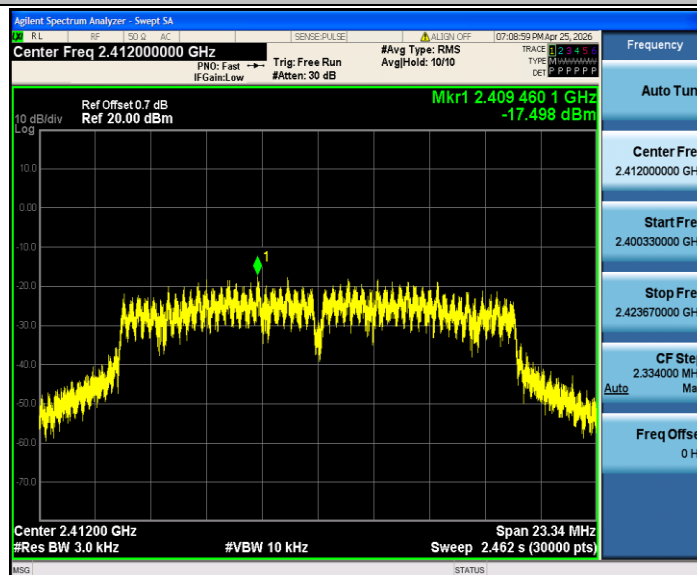
11B_Ant1_2437



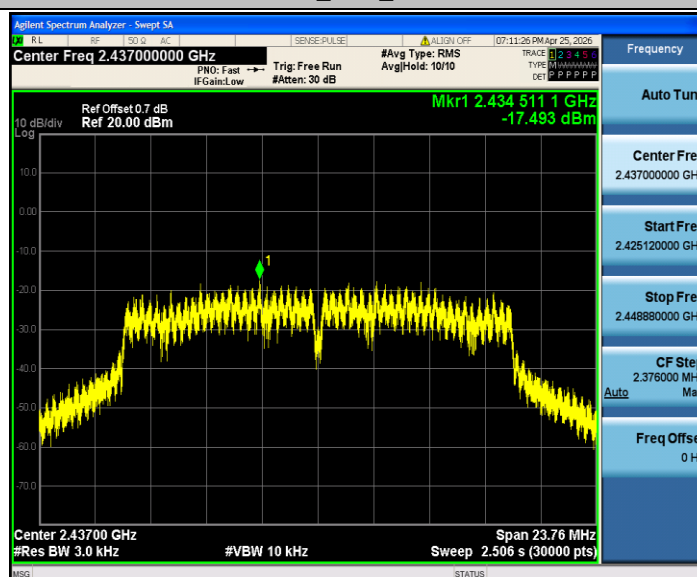
11B_Ant1_2462



11G_Ant1_2412



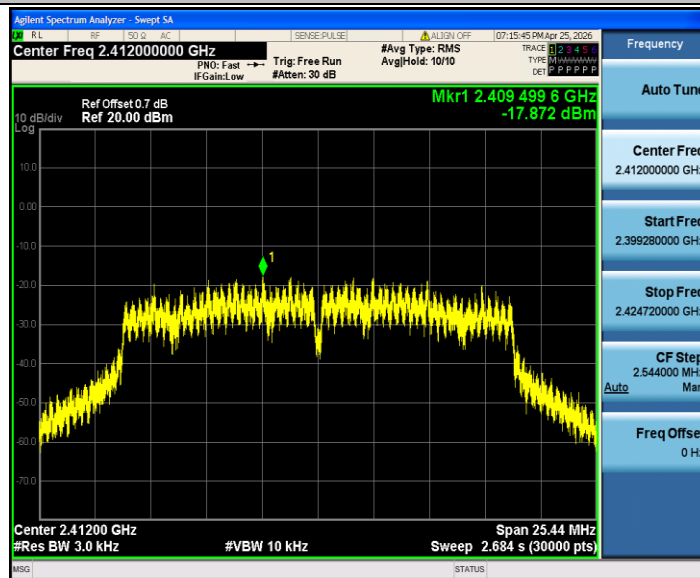
11G_Ant1_2437



11G_Ant1_2462



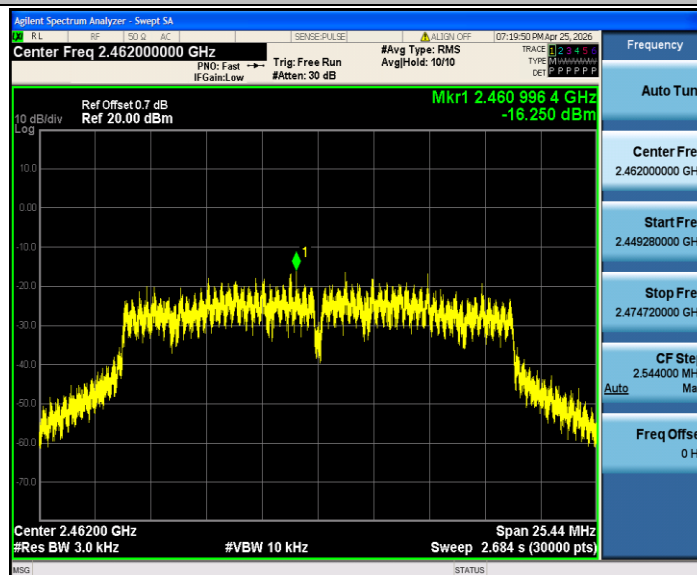
11N20SISO_Ant1_2412



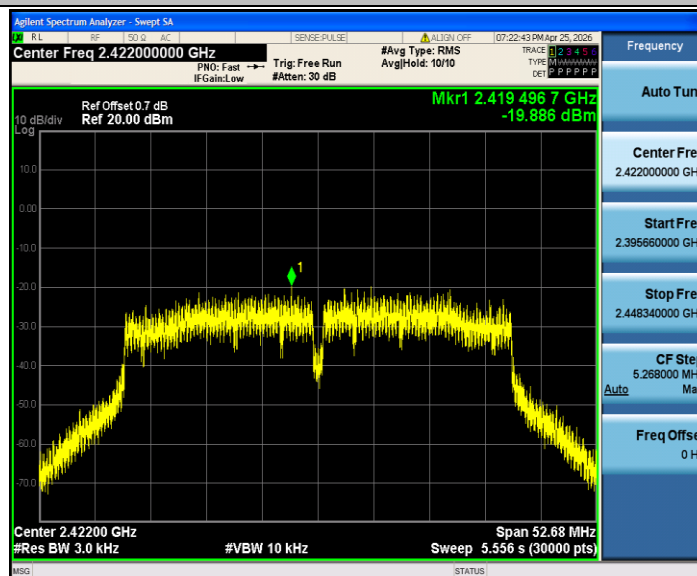
11N20SISO_Ant1_2437



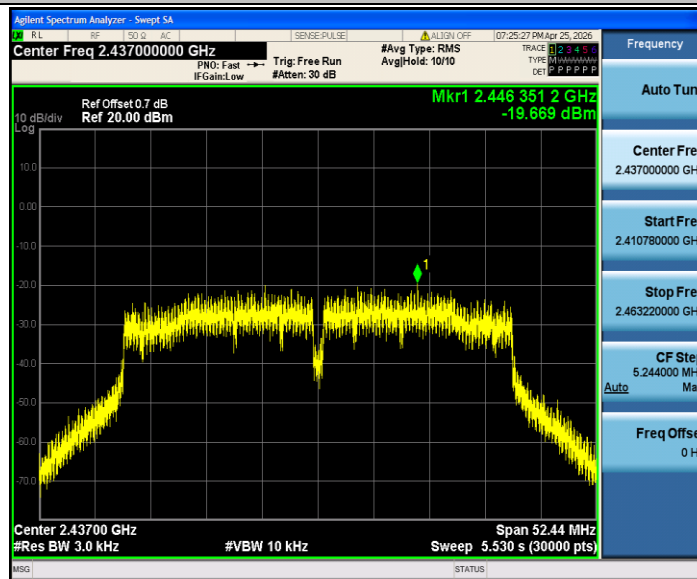
11N20SISO_Ant1_2462



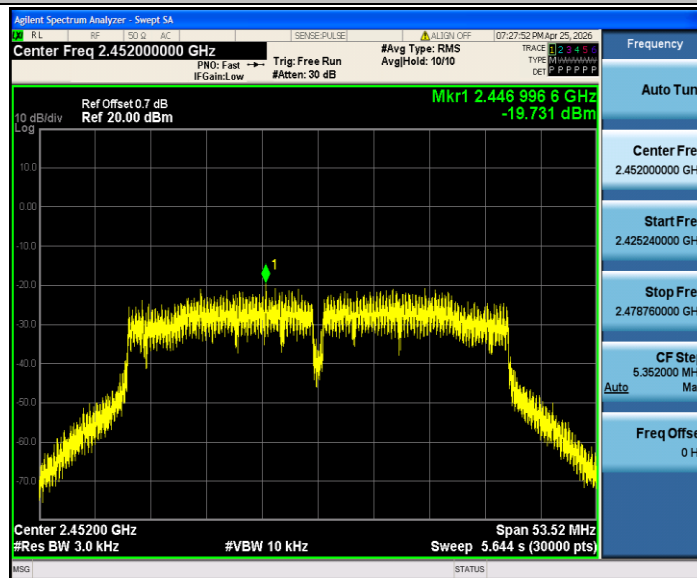
11N40SISO_Ant1_2422



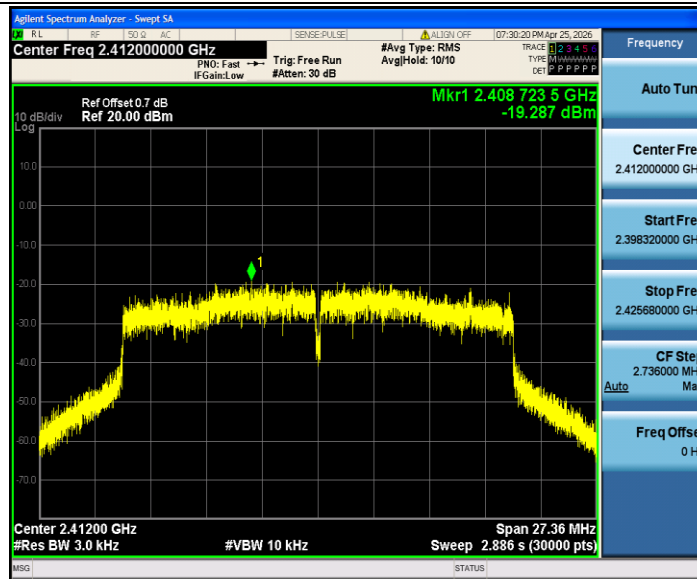
11N40SISO_Ant1_2437



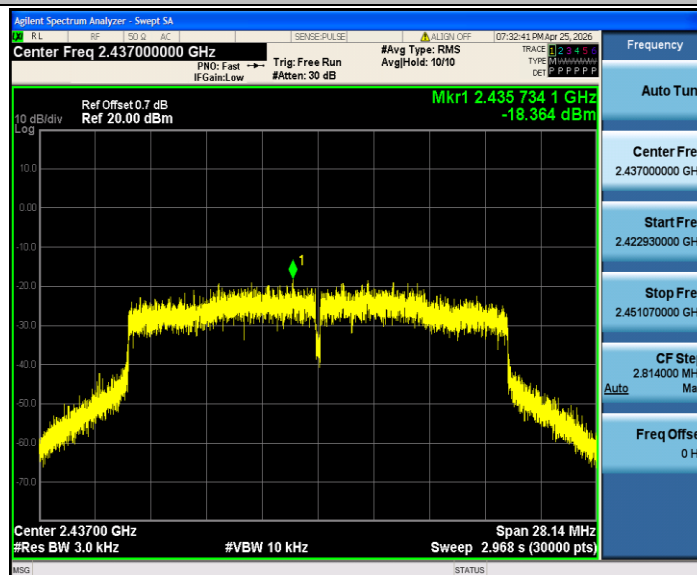
11N40SISO_Ant1_2452



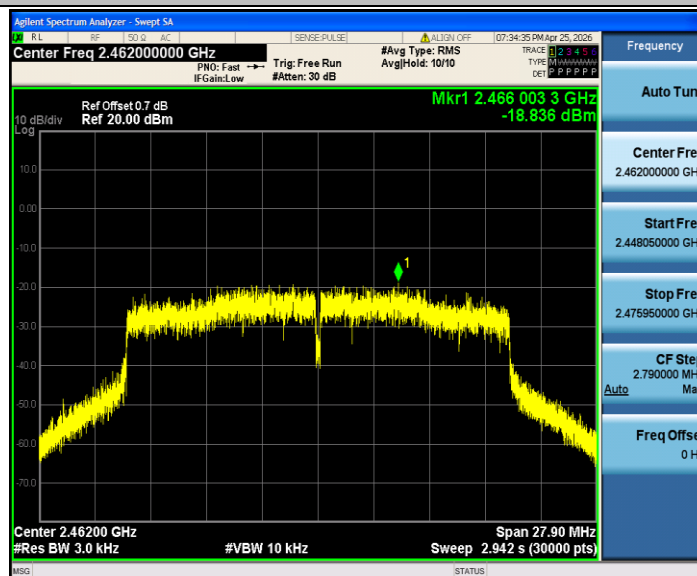
11AX20SISO_Ant1_2412



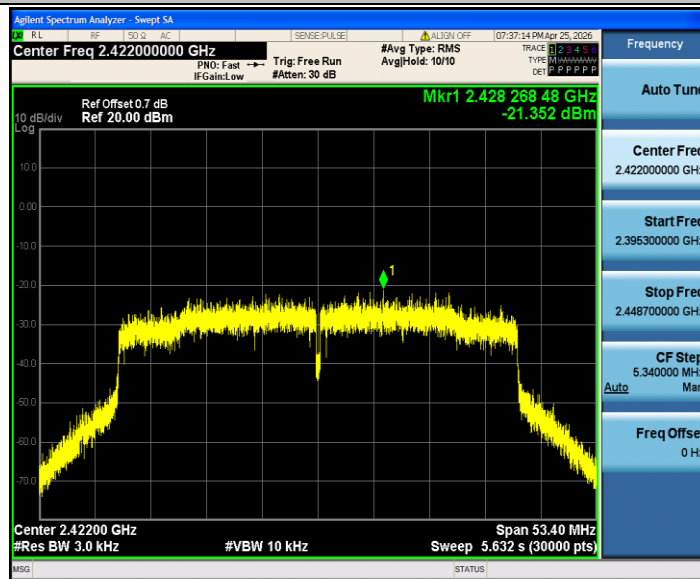
11AX20SISO_Ant1_2437



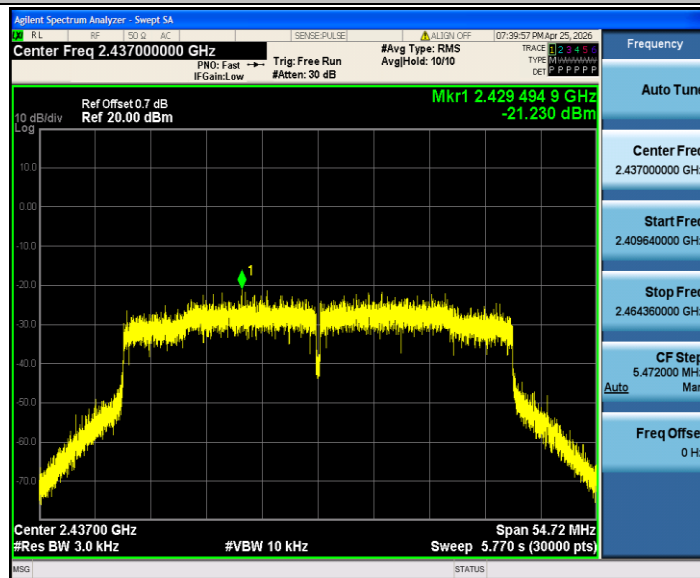
11AX20SISO_Ant1_2462



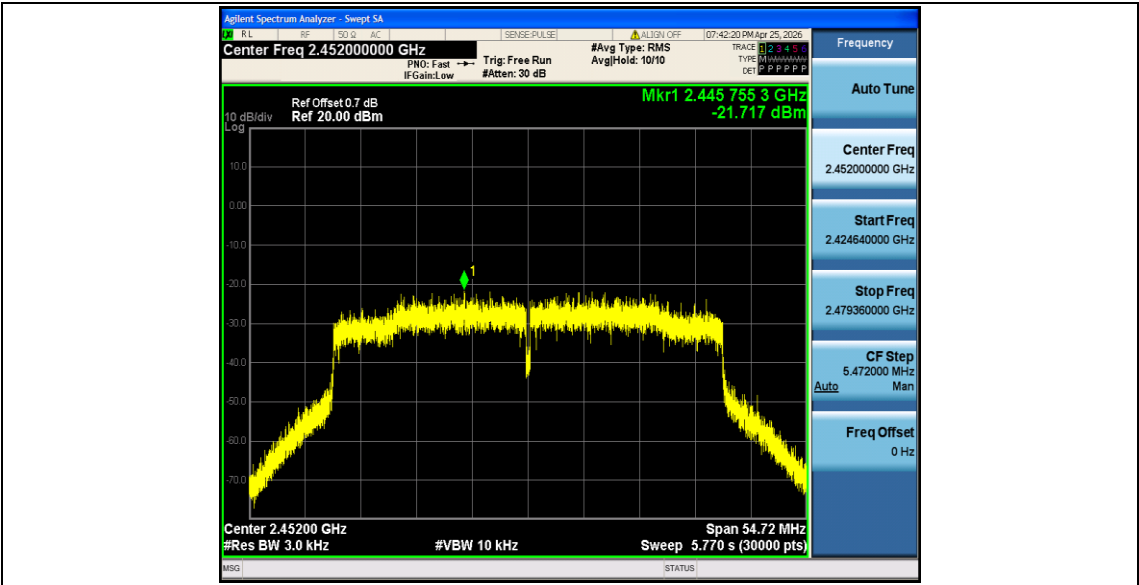
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



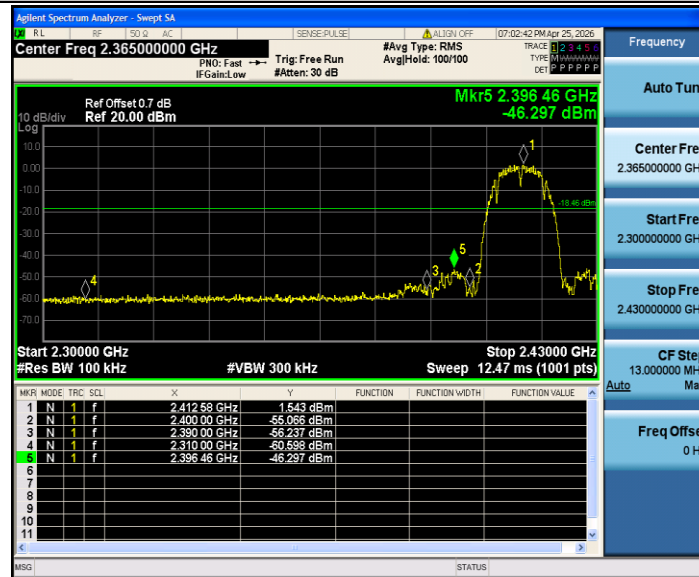
Appendix E: Band edge measurements

Test Result

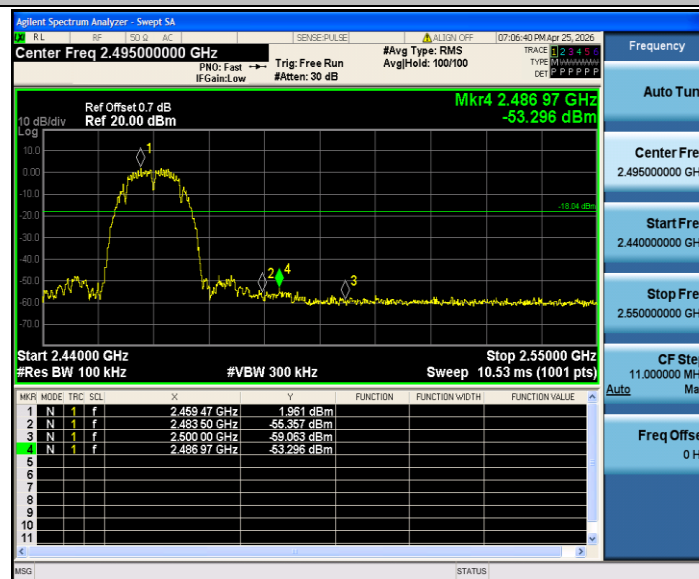
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.54	-46.3	≤-18.46	PASS
		High	2462	1.96	-53.3	≤-18.04	PASS
11G	Ant1	Low	2412	-2.43	-33.36	≤-22.43	PASS
		High	2462	-2.02	-57.14	≤-22.02	PASS
11N20SISO	Ant1	Low	2412	-2.38	-33.14	≤-22.38	PASS
		High	2462	-2.22	-57.09	≤-22.22	PASS
11N40SISO	Ant1	Low	2422	-5.64	-34.35	≤-25.64	PASS
		High	2452	-5.35	-57.06	≤-25.35	PASS
11AX20SISO	Ant1	Low	2412	-3.04	-34.67	≤-23.04	PASS
		High	2462	-2.35	-57.93	≤-22.35	PASS
11AX40SISO	Ant1	Low	2422	-5.92	-35.4	≤-25.92	PASS
		High	2452	-5.83	-56.68	≤-25.83	PASS

Test Graphs

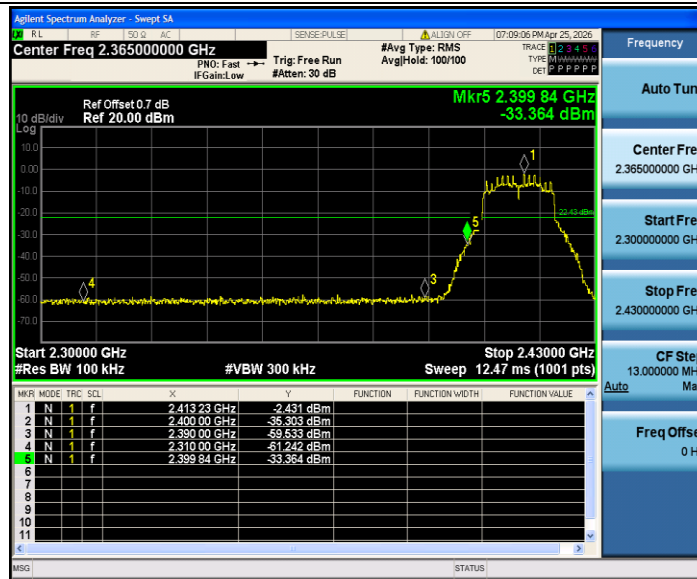
11B_Ant1_Low_2412



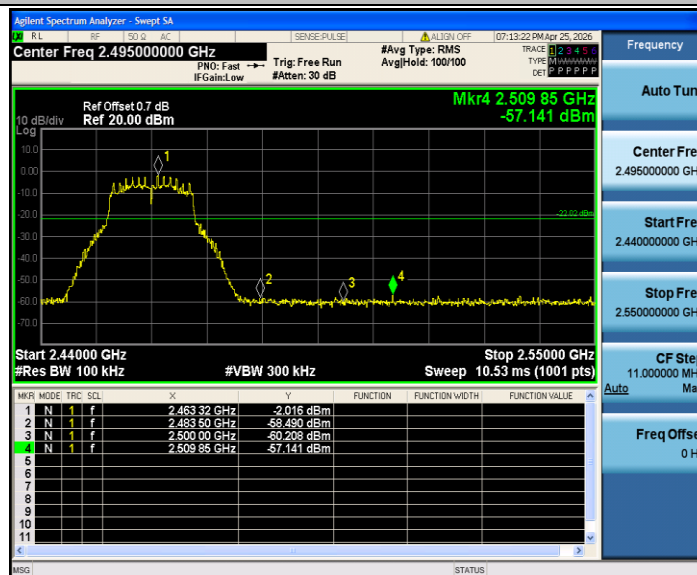
11B_Ant1_High_2462



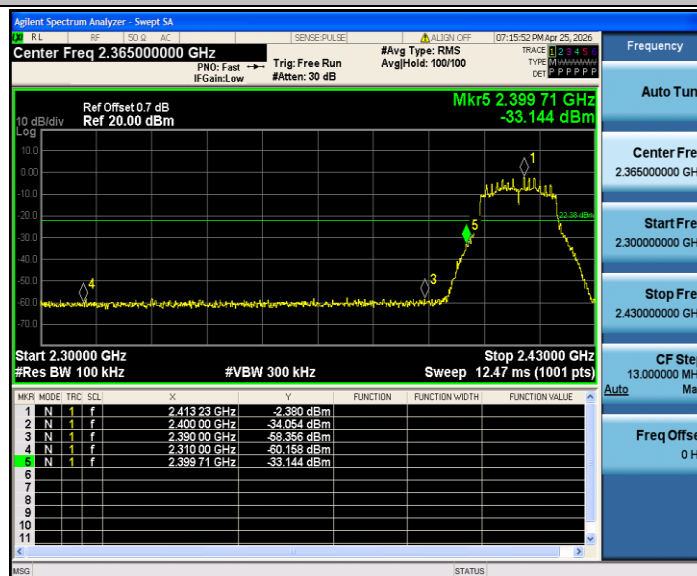
11G_Ant1_Low_2412



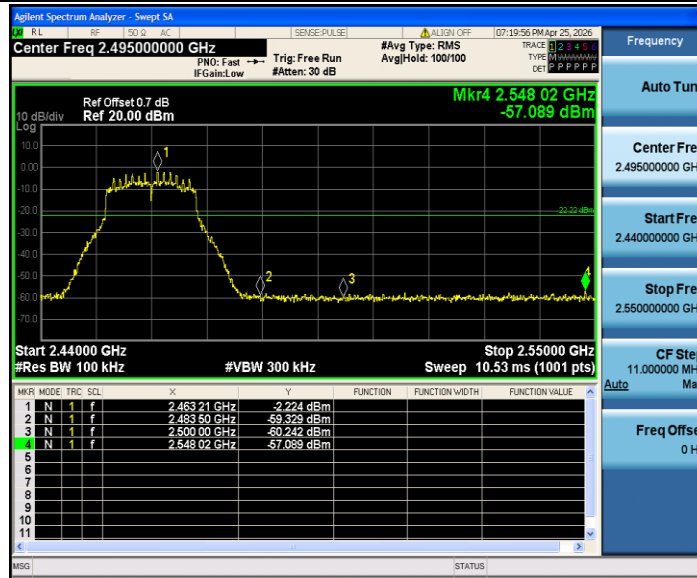
11G_Ant1_High_2462



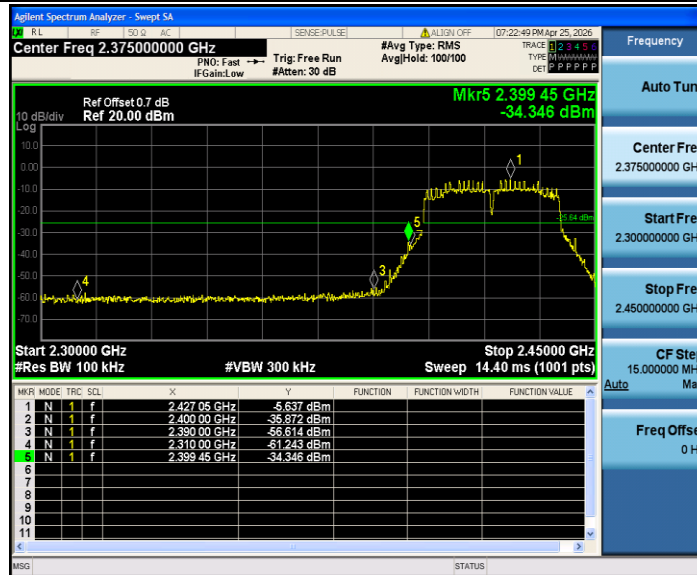
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452