

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BWKE-MD-I75C48

Company : Foshan Mida Technology Co., Ltd.

EUT : Interactive Whiteboard/Smart Board

Model Number : MD-I75C48

Report No. : CTA26051901203

Reviewed By : Eric Wang

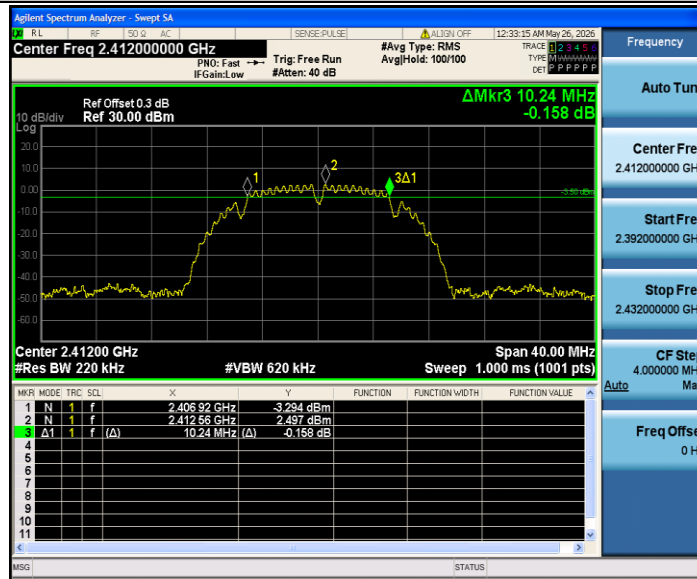
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	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	15.960	2404.040	2420.000	0.5	PASS
		2437	15.280	2429.360	2444.640	0.5	PASS
		2462	15.840	2454.120	2469.960	0.5	PASS
11N20SISO	Ant1	2412	16.840	2403.480	2420.320	0.5	PASS
		2437	16.520	2429.080	2445.600	0.5	PASS
		2462	16.960	2453.680	2470.640	0.5	PASS
11N40SISO	Ant1	2422	34.800	2404.560	2439.360	0.5	PASS
		2437	35.600	2419.240	2454.840	0.5	PASS
		2452	35.440	2434.480	2469.920	0.5	PASS
11AX20SISO	Ant1	2412	18.120	2403.040	2421.160	0.5	PASS
		2437	18.800	2427.640	2446.440	0.5	PASS
		2462	17.760	2453.280	2471.040	0.5	PASS
11AX40SISO	Ant1	2422	36.800	2404.000	2440.800	0.5	PASS
		2437	33.680	2422.040	2455.720	0.5	PASS
		2452	36.400	2434.480	2470.880	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

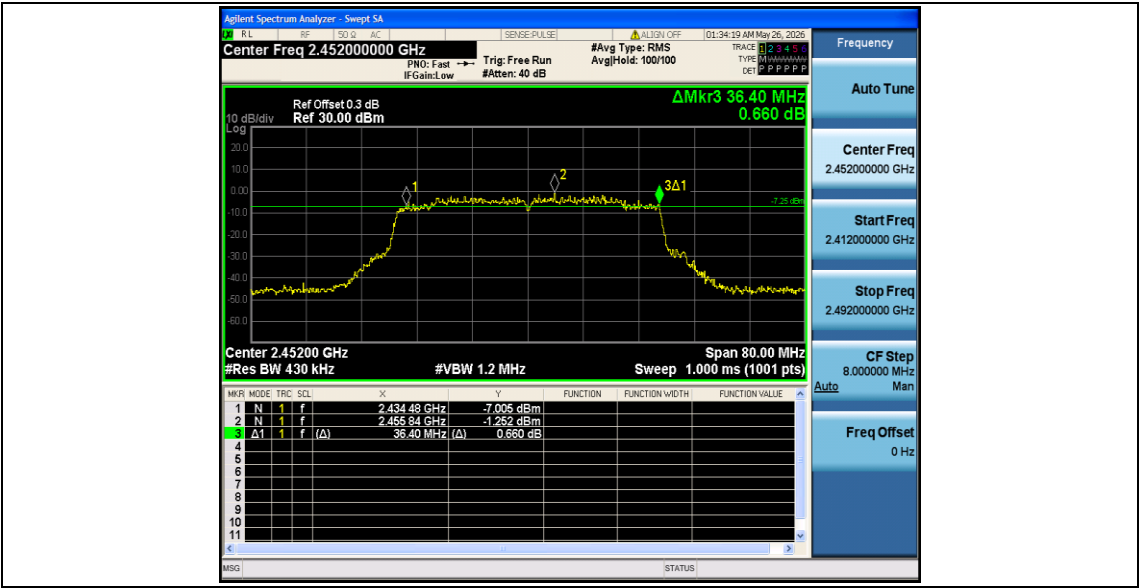


11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462





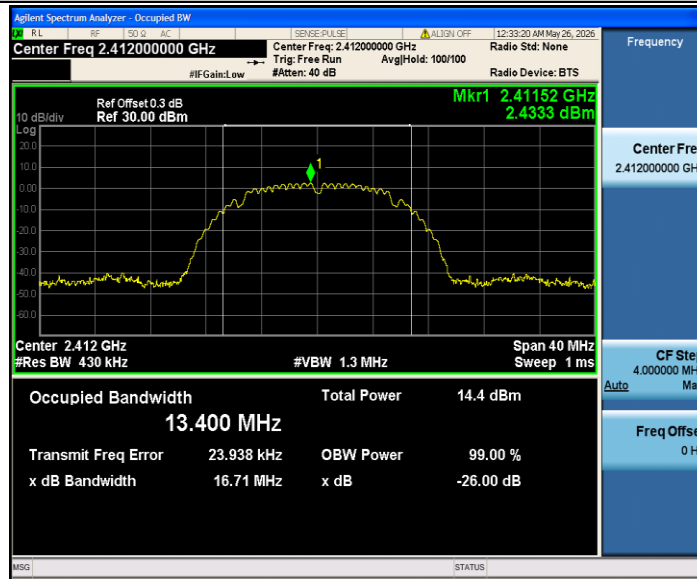
Appendix B: Occupied Channel Bandwidth

Test Result

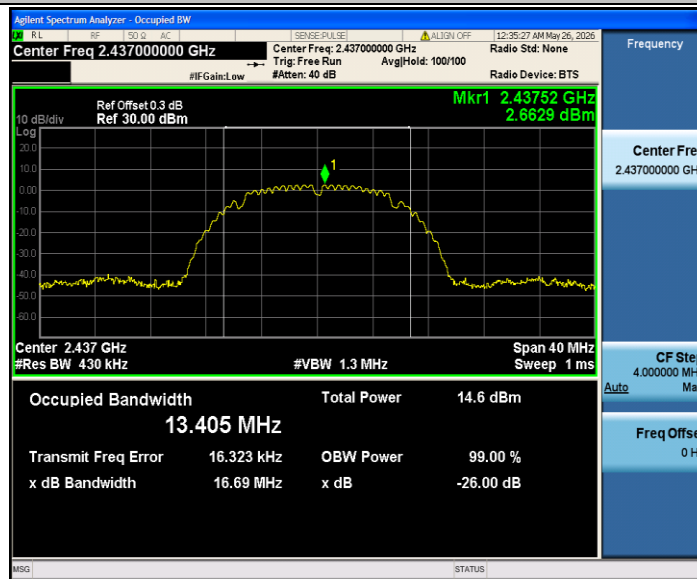
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.400	2405.3239	2418.7239	---	---
		2437	13.405	2430.3138	2443.7188	---	---
		2462	13.421	2455.3052	2468.7262	---	---
11G	Ant1	2412	16.851	2403.6518	2420.5028	---	---
		2437	16.738	2428.6641	2445.4021	---	---
		2462	16.872	2453.6364	2470.5084	---	---
11N20SISO	Ant1	2412	17.918	2403.0392	2420.9572	---	---
		2437	17.918	2428.0471	2445.9651	---	---
		2462	17.910	2453.0827	2470.9927	---	---
11N40SISO	Ant1	2422	36.062	2404.0710	2440.1330	---	---
		2437	36.083	2419.0735	2455.1565	---	---
		2452	36.077	2434.0754	2470.1524	---	---
11AX20SISO	Ant1	2412	18.891	2402.6038	2421.4948	---	---
		2437	18.866	2427.5994	2446.4654	---	---
		2462	18.888	2452.5691	2471.4571	---	---
11AX40SISO	Ant1	2422	37.584	2403.3409	2440.9249	---	---
		2437	37.563	2418.3437	2455.9067	---	---
		2452	37.605	2433.3509	2470.9559	---	---

Test Graphs

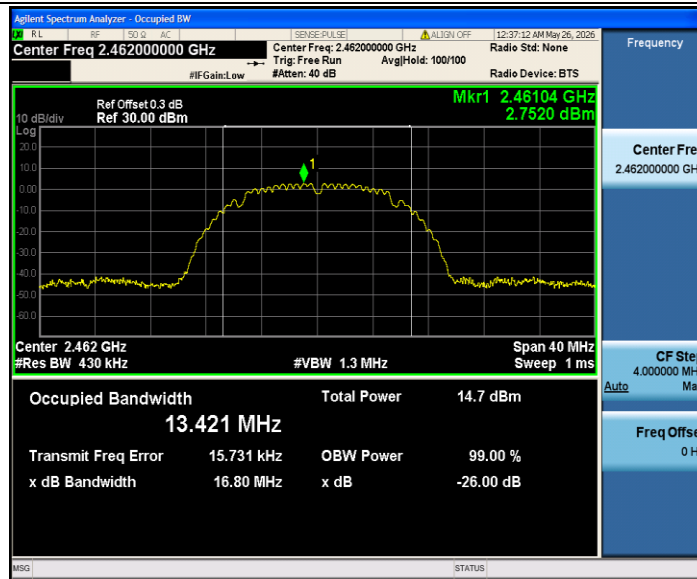
11B_Ant1_2412



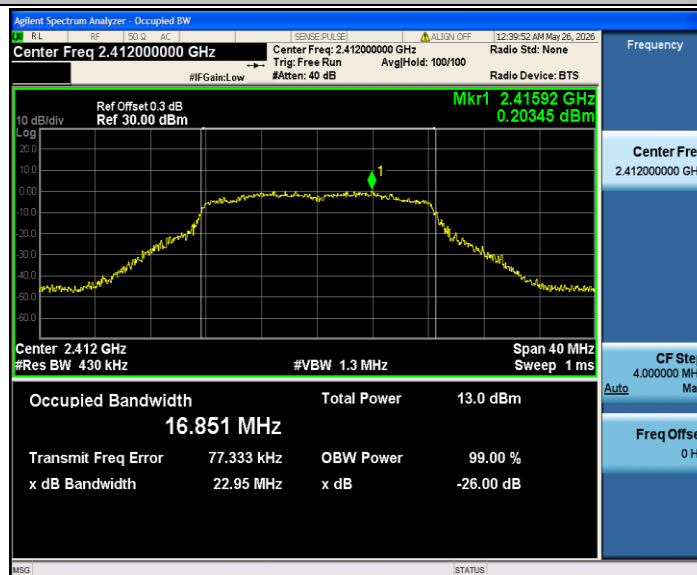
11B_Ant1_2437



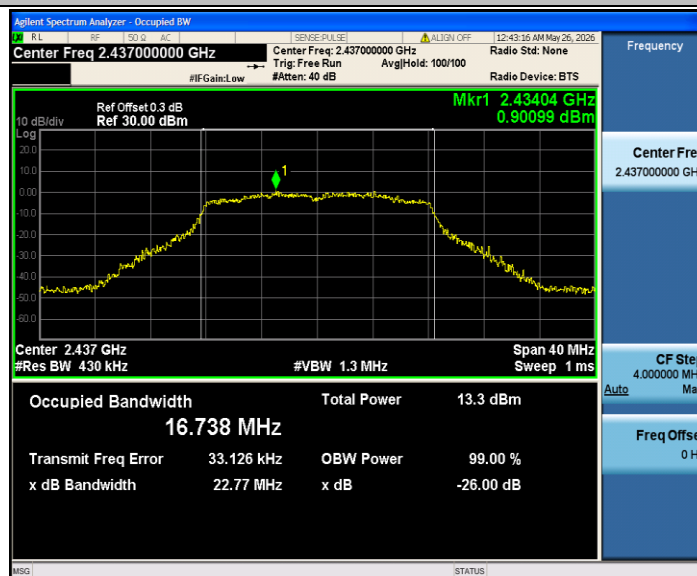
11B_Ant1_2462



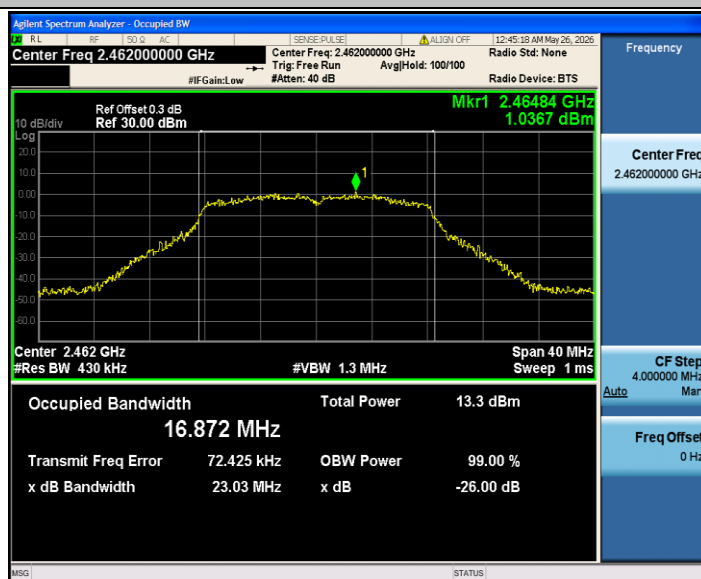
11G_Ant1_2412



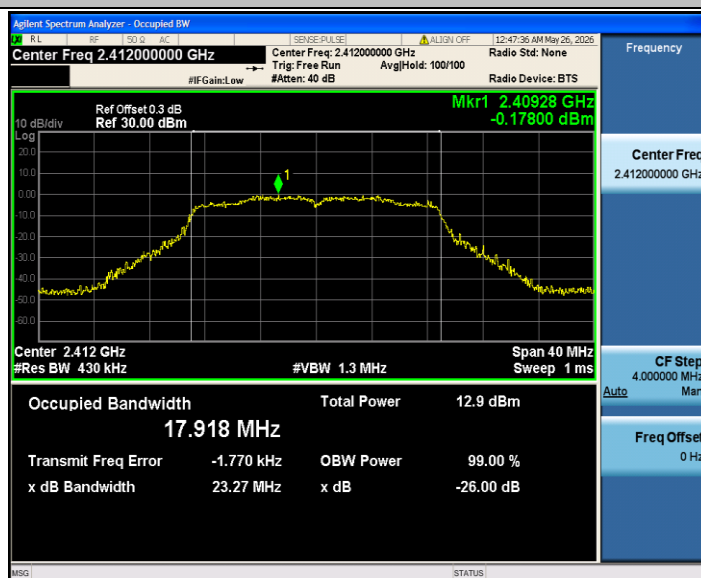
11G_Ant1_2437



11G_Ant1_2462



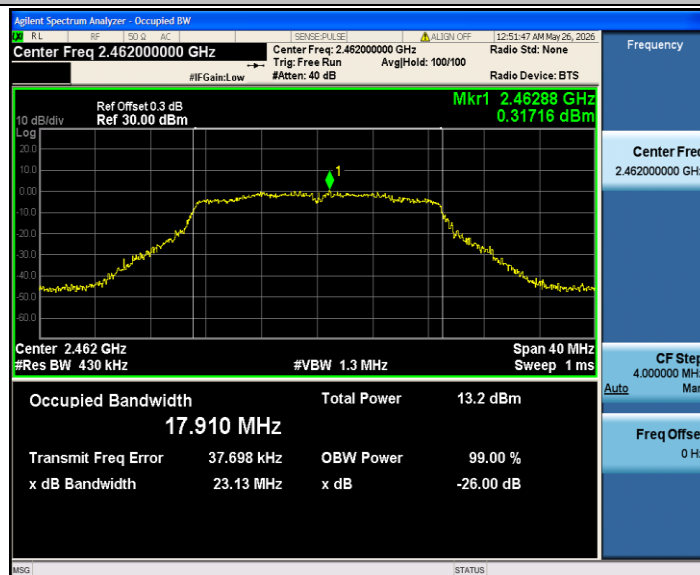
11N20SISO_Ant1_2412



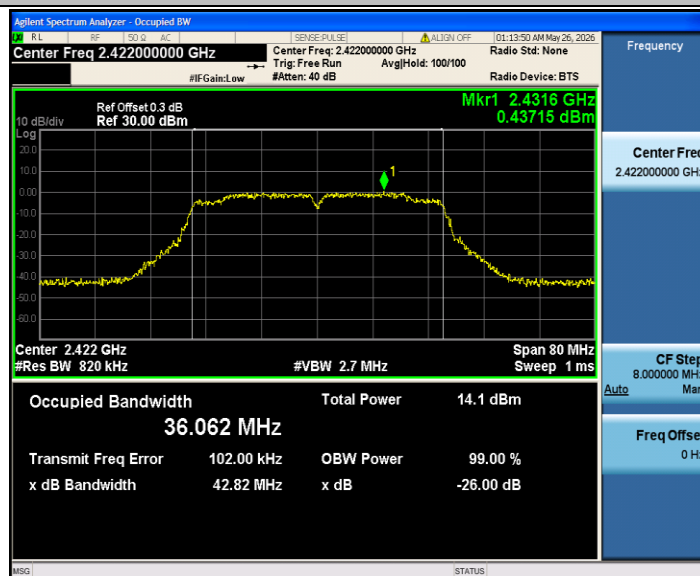
11N20SISO_Ant1_2437



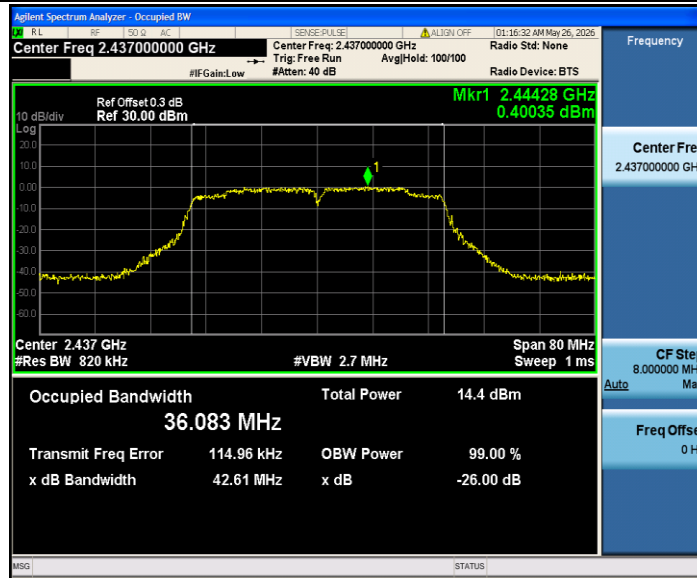
11N20SISO_Ant1_2462



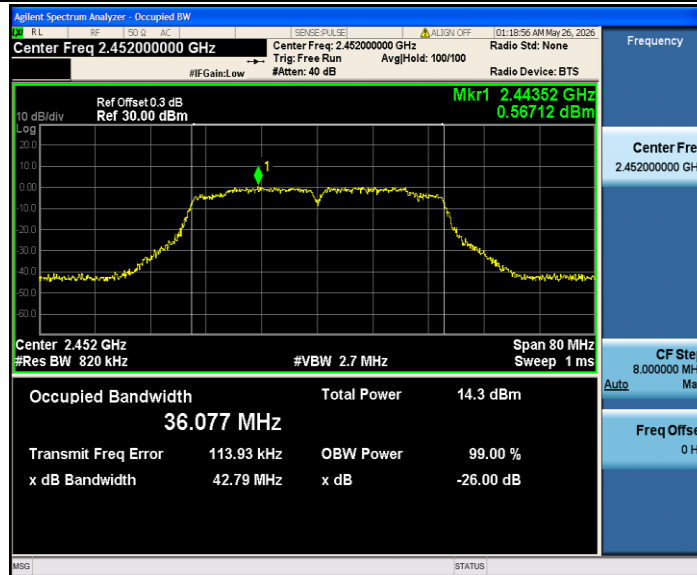
11N40SISO_Ant1_2422



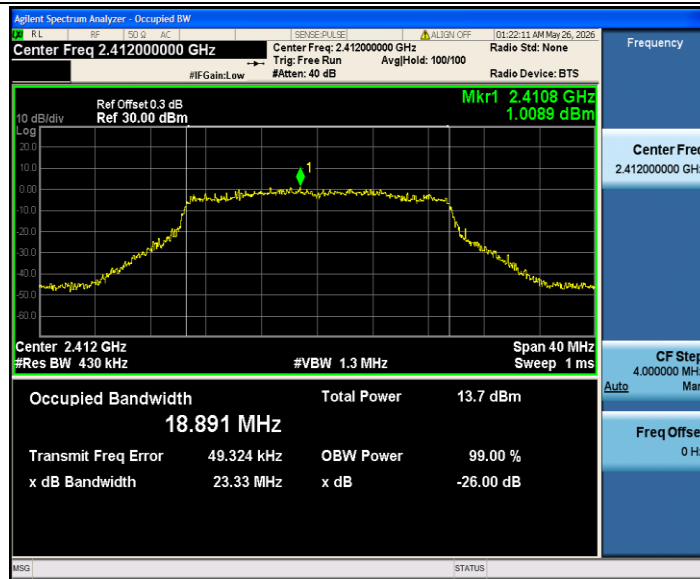
11N40SISO_Ant1_2437



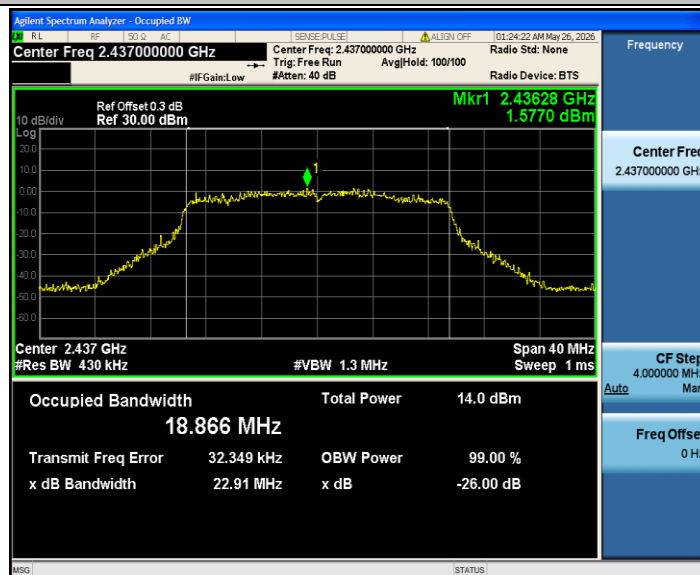
11N40SISO_Ant1_2452



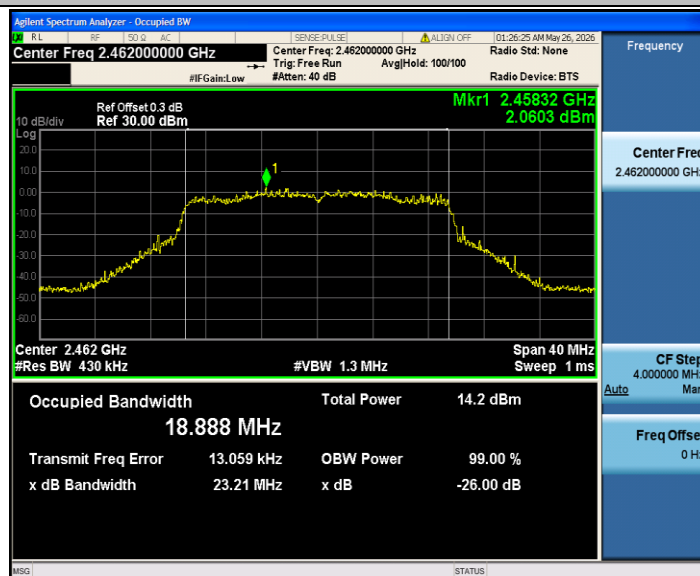
11AX20SISO_Ant1_2412



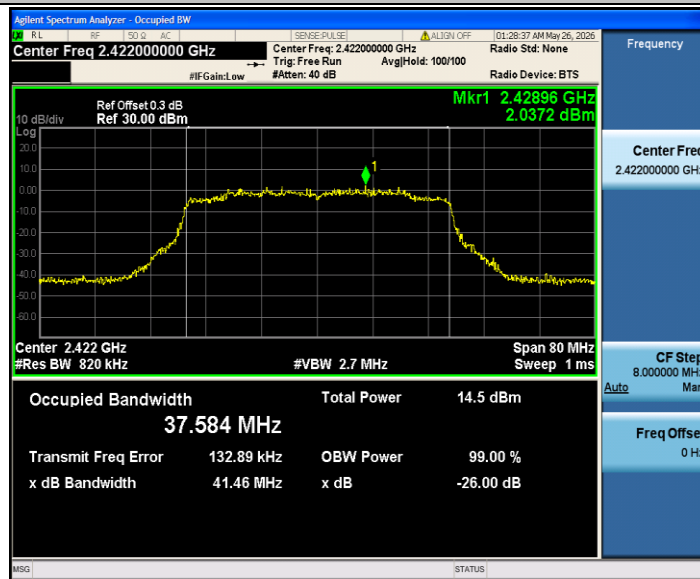
11AX20SISO_Ant1_2437



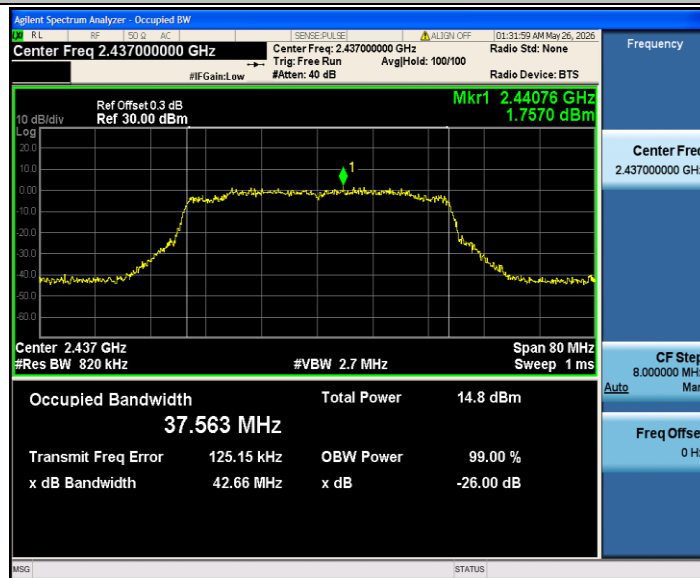
11AX20SISO_Ant1_2462



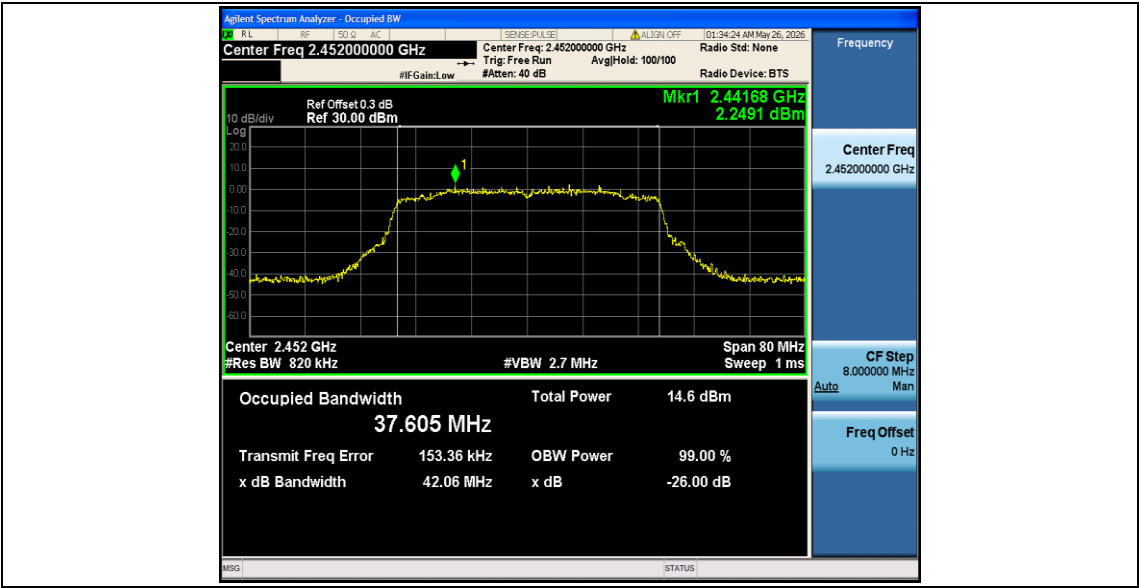
11AX40SISO_Ant1_2422



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	14.09	≤30.00	PASS
		2437	14.29	≤30.00	PASS
		2462	14.38	≤30.00	PASS
11G	Ant1	2412	13.92	≤30.00	PASS
		2437	14.01	≤30.00	PASS
		2462	14.24	≤30.00	PASS
11N20SISO	Ant1	2412	13.81	≤30.00	PASS
		2437	13.97	≤30.00	PASS
		2462	14.15	≤30.00	PASS
11N40SISO	Ant1	2422	14.10	≤30.00	PASS
		2437	14.62	≤30.00	PASS
		2452	14.57	≤30.00	PASS
11AX20SISO	Ant1	2412	14.21	≤30.00	PASS
		2437	14.52	≤30.00	PASS
		2462	14.51	≤30.00	PASS
11AX40SISO	Ant1	2422	14.42	≤30.00	PASS
		2437	14.53	≤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	-12.02	≤8.00	PASS
		2437	-10.99	≤8.00	PASS
		2462	-10.77	≤8.00	PASS
11G	Ant1	2412	-18.26	≤8.00	PASS
		2437	-17.77	≤8.00	PASS
		2462	-17.13	≤8.00	PASS
11N20SISO	Ant1	2412	-17.41	≤8.00	PASS
		2437	-17.15	≤8.00	PASS
		2462	-16.17	≤8.00	PASS
11N40SISO	Ant1	2422	-19.24	≤8.00	PASS
		2437	-18.96	≤8.00	PASS
		2452	-19.98	≤8.00	PASS
11AX20SISO	Ant1	2412	-18.89	≤8.00	PASS
		2437	-18.94	≤8.00	PASS
		2462	-19.07	≤8.00	PASS
11AX40SISO	Ant1	2422	-21.62	≤8.00	PASS
		2437	-21.06	≤8.00	PASS
		2452	-21.42	≤8.00	PASS

Test Graphs

11B_Ant1_2412



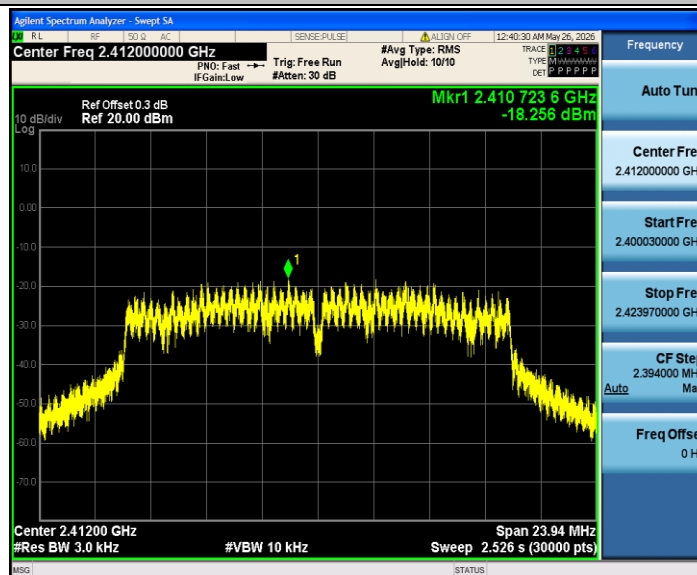
11B_Ant1_2437



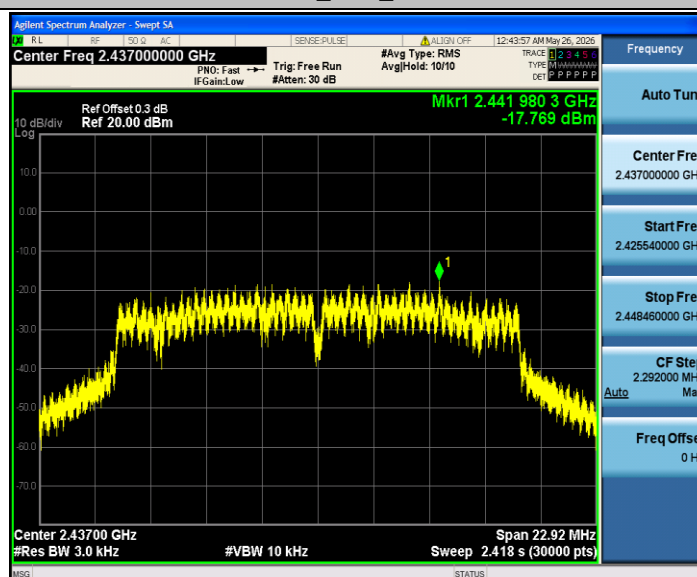
11B_Ant1_2462



11G_Ant1_2412



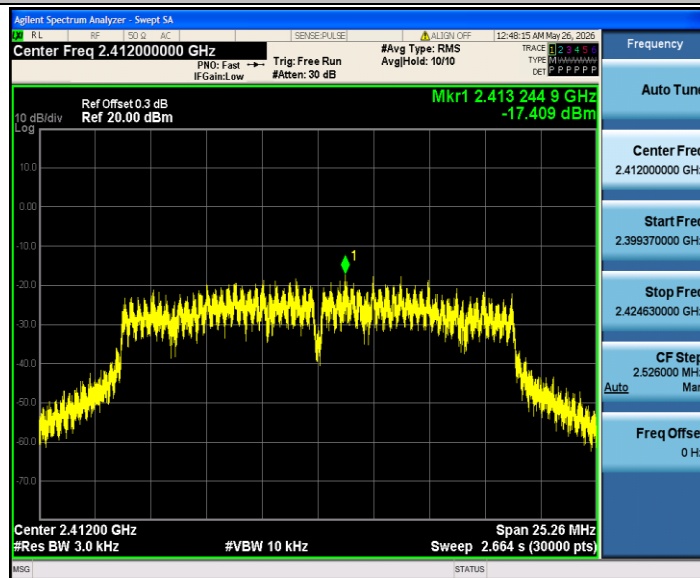
11G_Ant1_2437



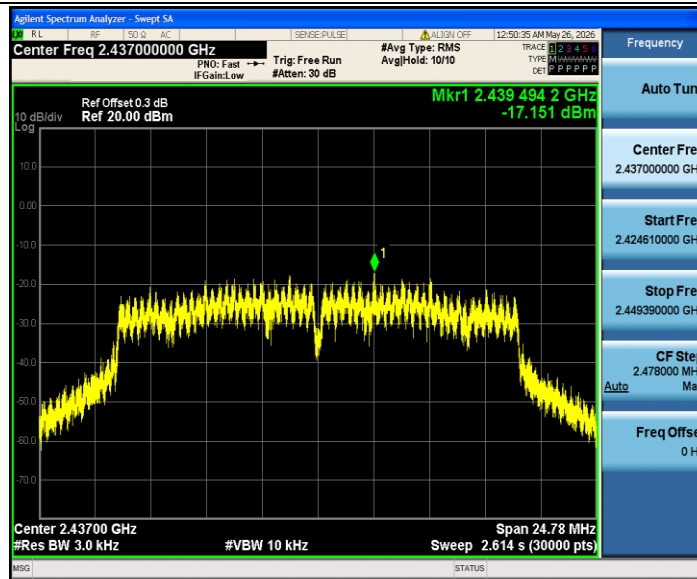
11G_Ant1_2462



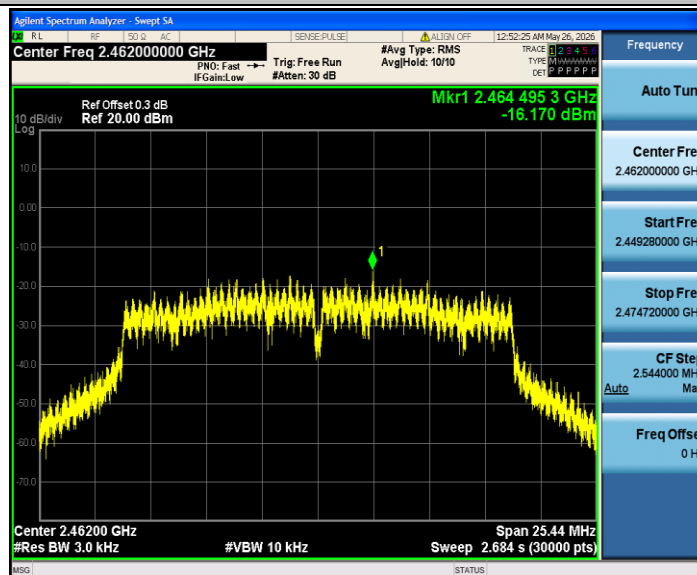
11N20SISO_Ant1_2412



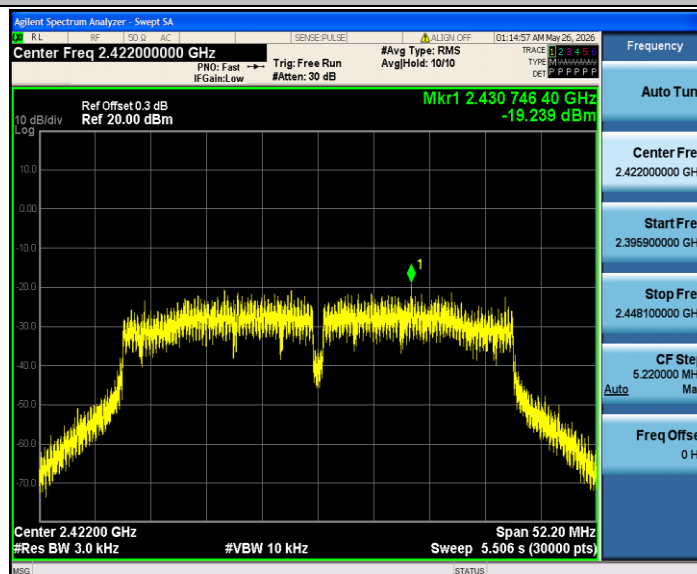
11N20SISO_Ant1_2437



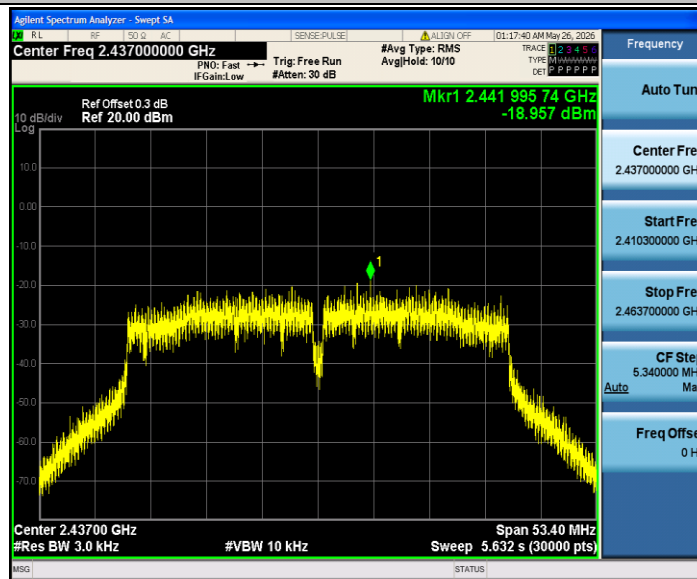
11N20SISO_Ant1_2462



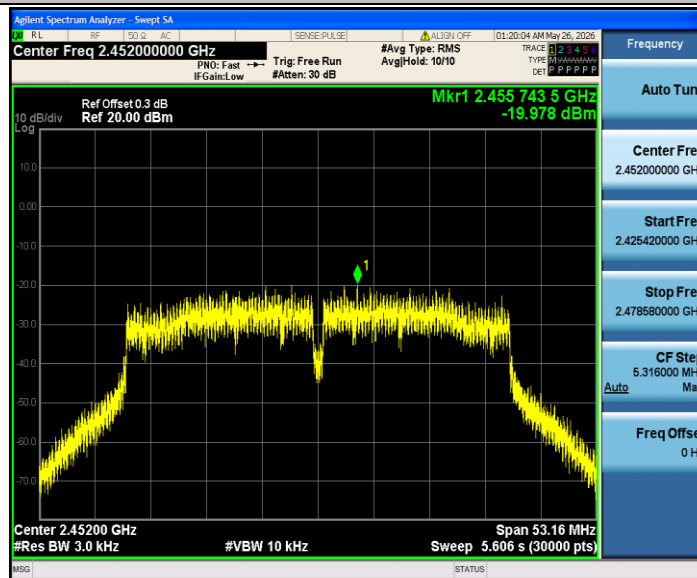
11N40SISO_Ant1_2422



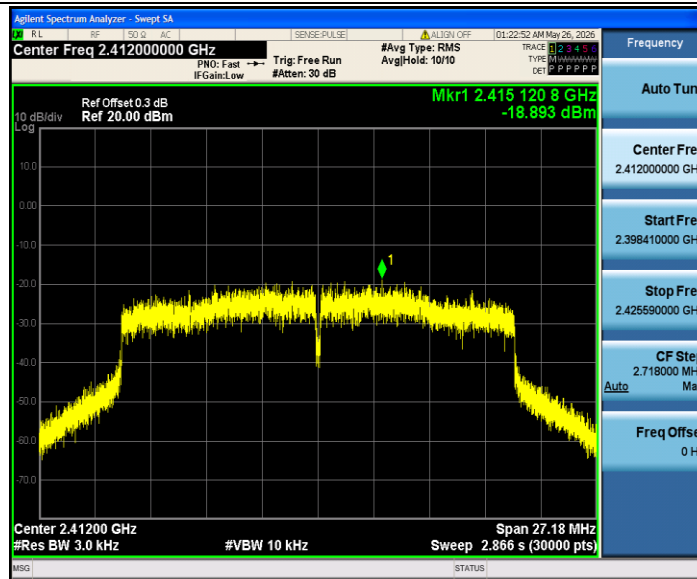
11N40SISO_Ant1_2437



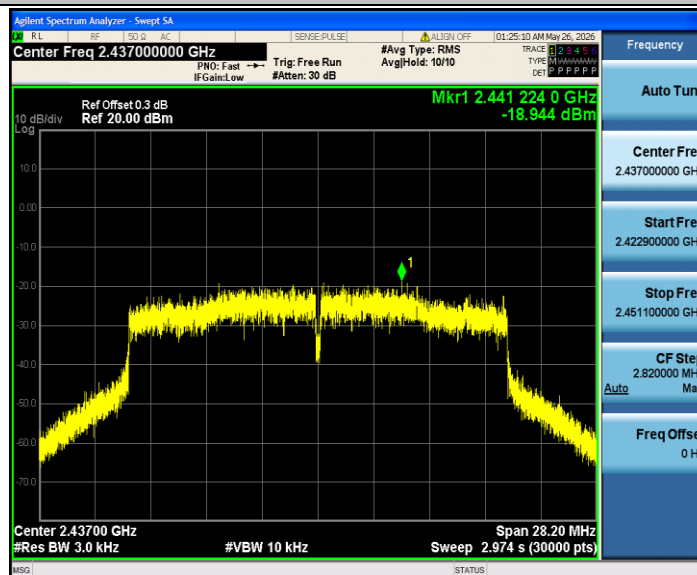
11N40SISO_Ant1_2452



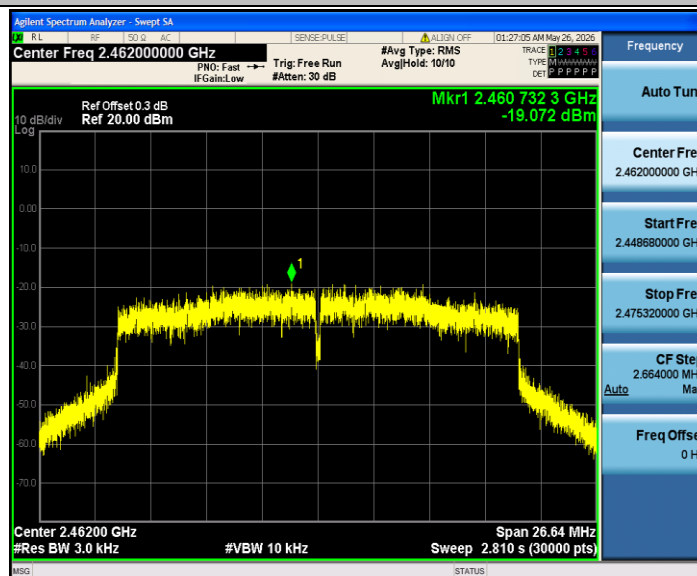
11AX20SISO_Ant1_2412



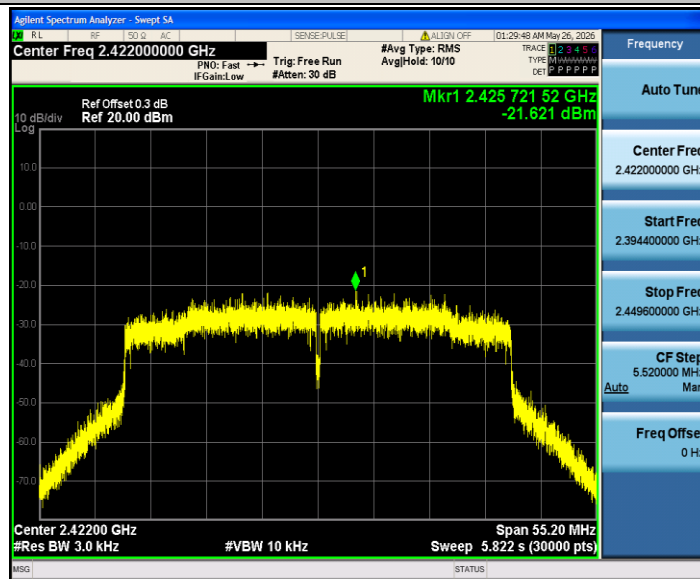
11AX20SISO_Ant1_2437



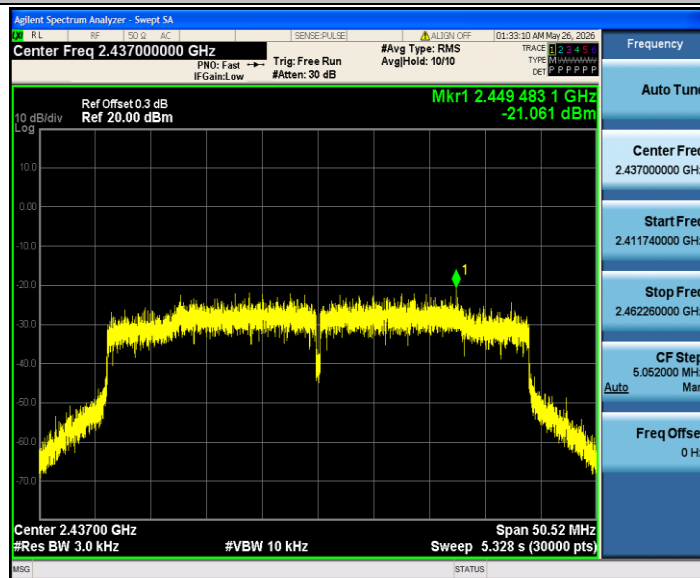
11AX20SISO_Ant1_2462



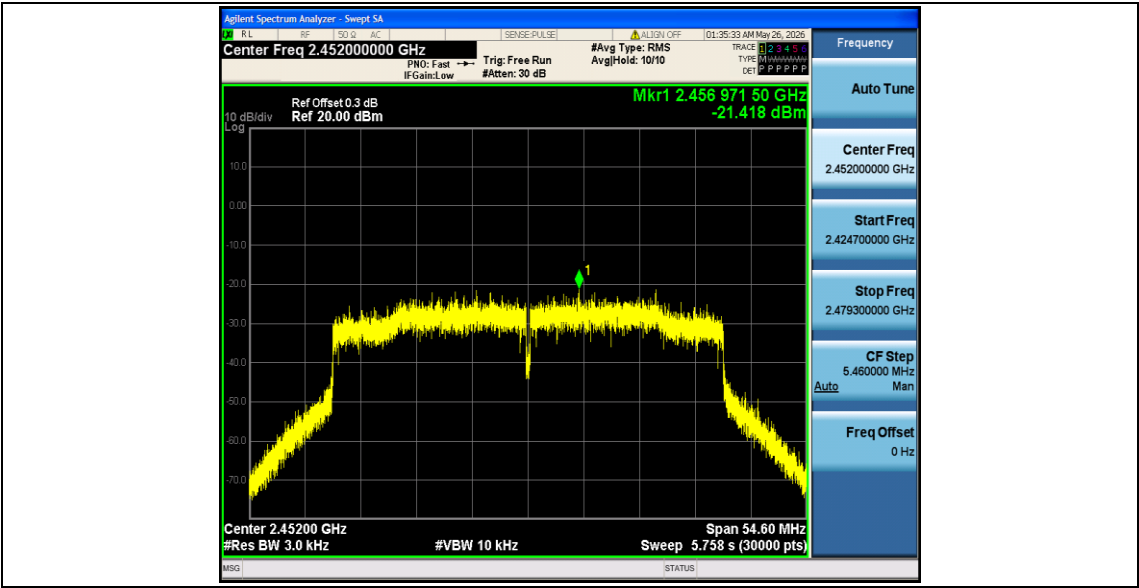
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



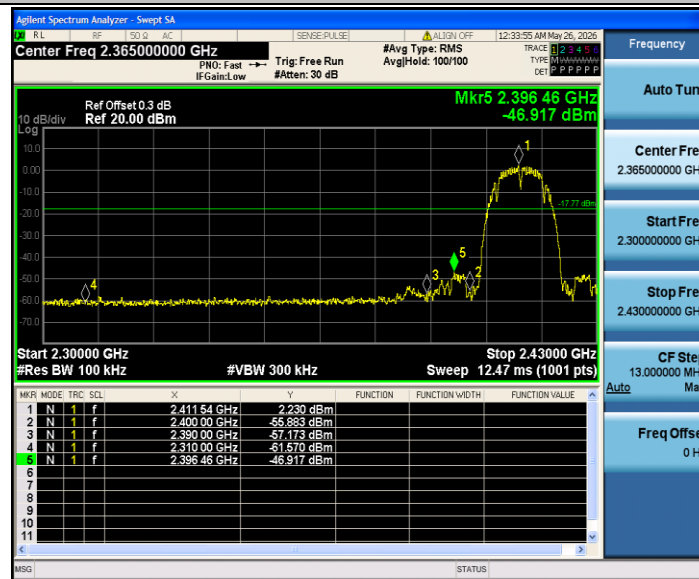
Appendix E: Band edge measurements

Test Result

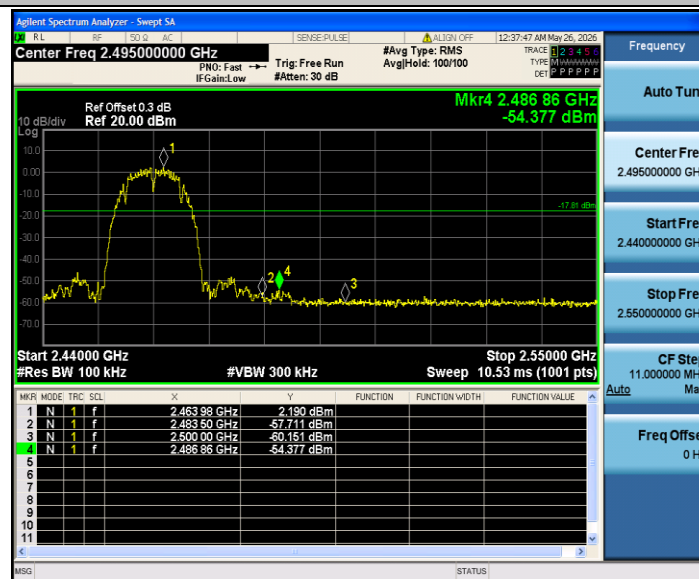
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.23	-46.92	≤ -17.77	PASS
		High	2462	2.19	-54.38	≤ -17.81	PASS
11G	Ant1	Low	2412	-2.61	-34.72	≤ -22.61	PASS
		High	2462	-2.17	-57.78	≤ -22.17	PASS
11N20SISO	Ant1	Low	2412	-2.56	-34.64	≤ -22.56	PASS
		High	2462	-2.51	-58.08	≤ -22.51	PASS
11N40SISO	Ant1	Low	2422	-5.88	-33.83	≤ -25.88	PASS
		High	2452	-5.48	-56.51	≤ -25.48	PASS
11AX20SISO	Ant1	Low	2412	-2.97	-33.65	≤ -22.97	PASS
		High	2462	-2.47	-57.92	≤ -22.47	PASS
11AX40SISO	Ant1	Low	2422	-6.15	-35.4	≤ -26.15	PASS
		High	2452	-6.04	-57.27	≤ -26.04	PASS

Test Graphs

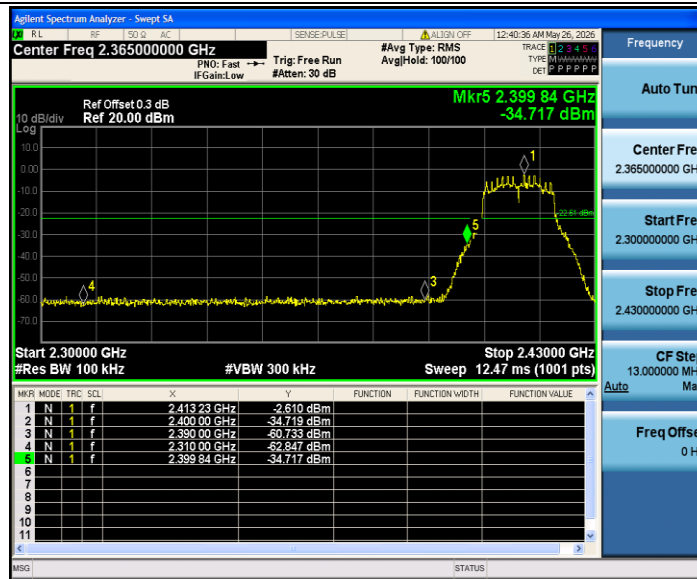
11B_Ant1_Low_2412



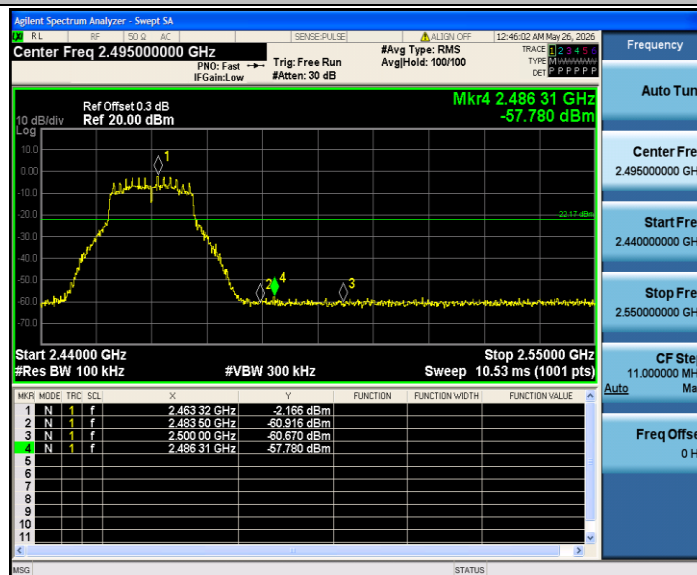
11B_Ant1_High_2462



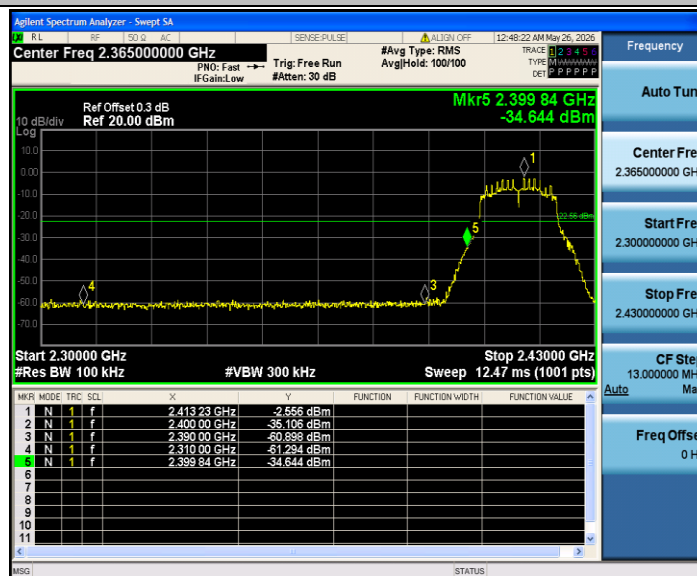
11G_Ant1_Low_2412



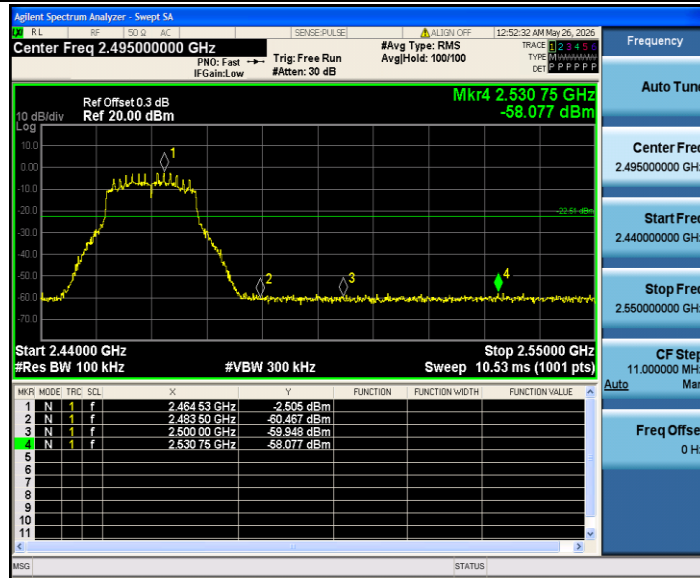
11G_Ant1_High_2462



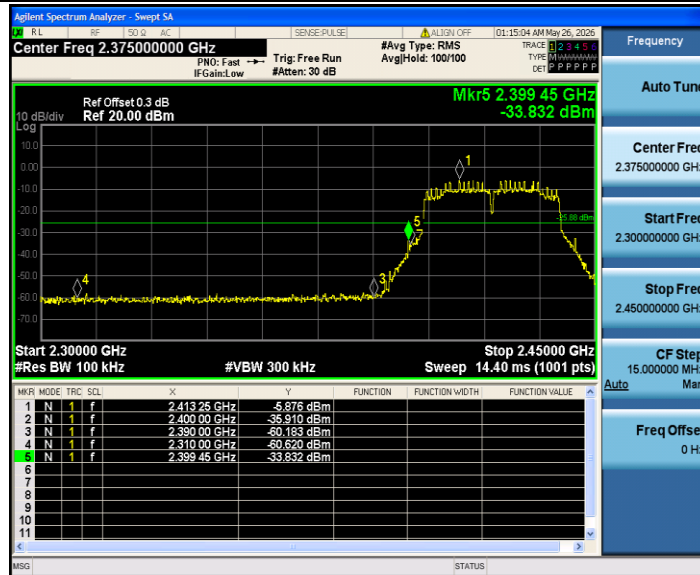
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



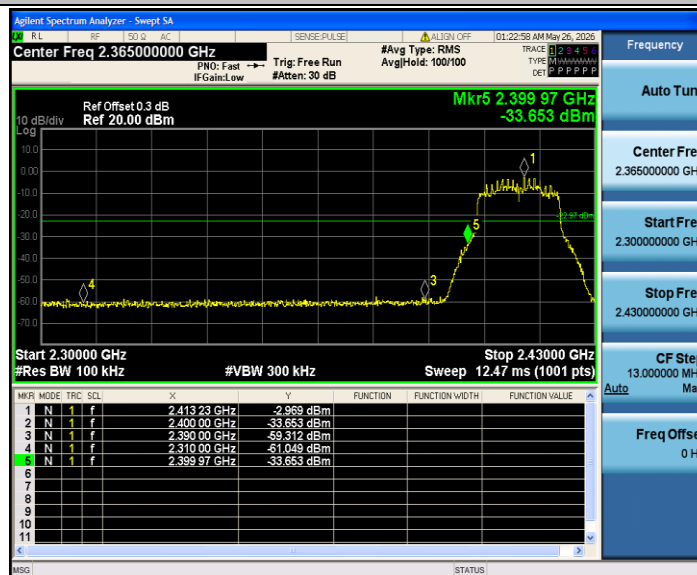
11N40SISO_Ant1_Low_2422



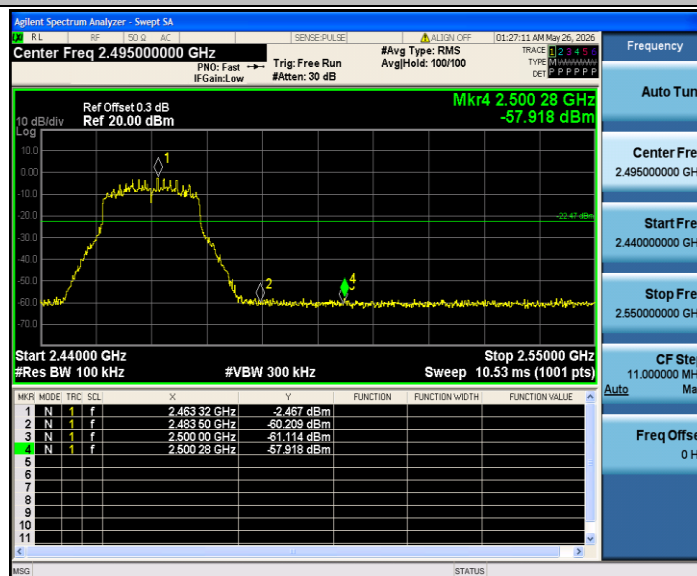
11N40SISO_Ant1_High_2452



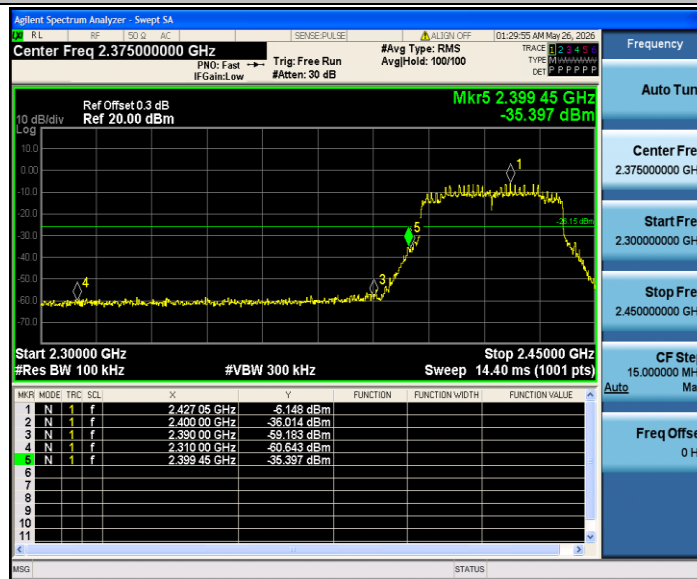
11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452

