

FCC Appendix RF Test Data

FCC ID : 2BKMA-PJ10

Company : Shenzhen G-Tide Technology Co.,Ltd.

EUT : Wireless projector

Model Number : PJ10

Report No. : CTA25071604401

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	9.080	2407.960	2417.040	0.5	PASS
		2437	9.560	2431.960	2441.520	0.5	PASS
		2462	9.000	2458.040	2467.040	0.5	PASS
11G	Ant1	2412	12.640	2406.960	2419.600	0.5	PASS
		2437	15.720	2428.840	2444.560	0.5	PASS
		2462	15.280	2454.520	2469.800	0.5	PASS
11N20SISO	Ant1	2412	13.360	2406.960	2420.320	0.5	PASS
		2437	16.040	2428.520	2444.560	0.5	PASS
		2462	15.920	2454.440	2470.360	0.5	PASS
11N40SISO	Ant1	2422	24.960	2409.520	2434.480	0.5	PASS
		2437	35.440	2419.080	2454.520	0.5	PASS
		2452	35.200	2434.480	2469.680	0.5	PASS
11AX20SISO	Ant1	2412	13.200	2407.000	2420.200	0.5	PASS
		2437	16.680	2428.360	2445.040	0.5	PASS
		2462	15.760	2454.480	2470.240	0.5	PASS
11AX40SISO	Ant1	2422	25.120	2409.440	2434.560	0.5	PASS
		2437	35.440	2419.080	2454.520	0.5	PASS
		2452	35.280	2434.480	2469.760	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



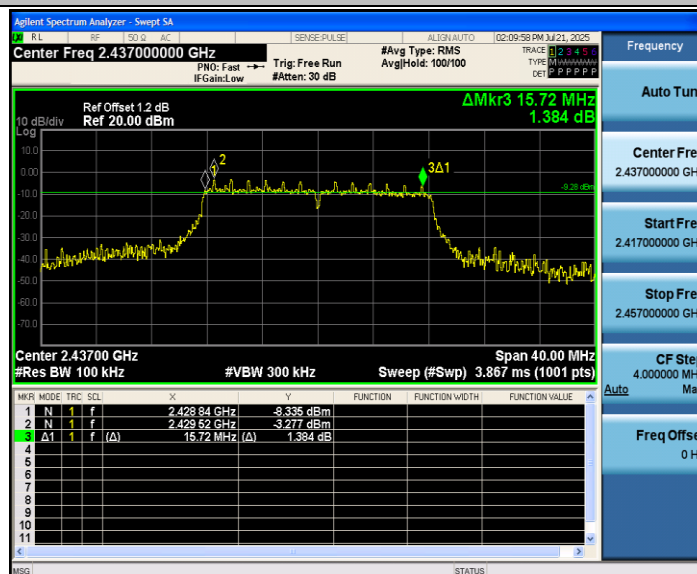
11B_Ant1_2462



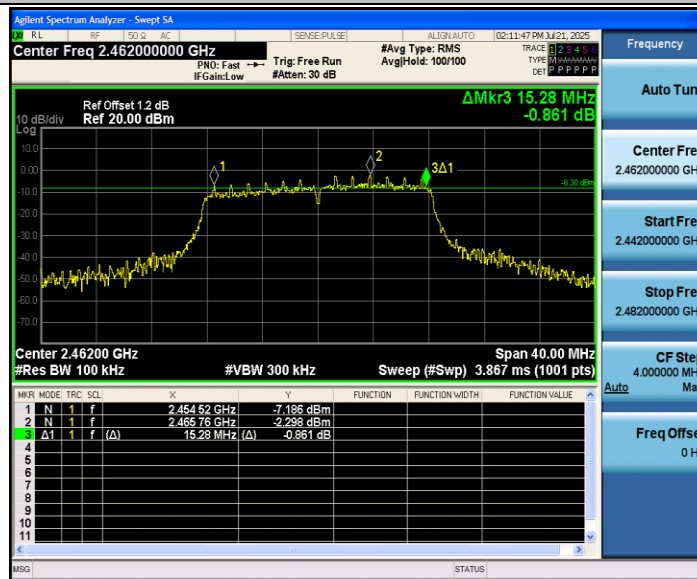
11G_Ant1_2412



11G_Ant1_2437



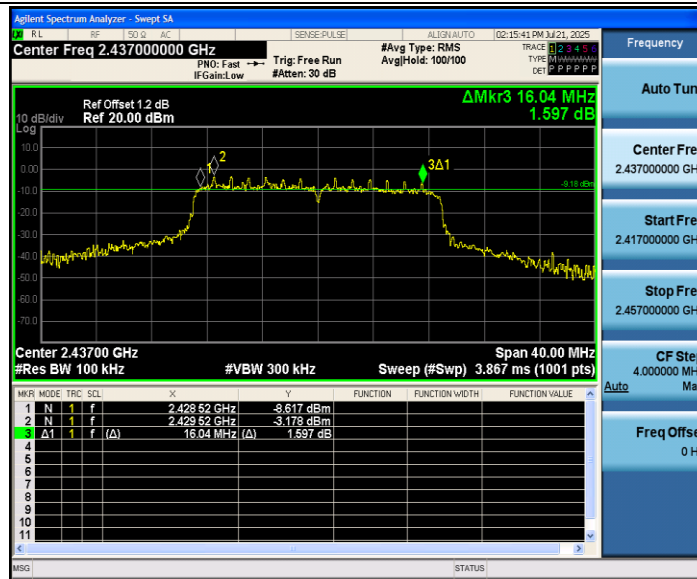
11G_Ant1_2462



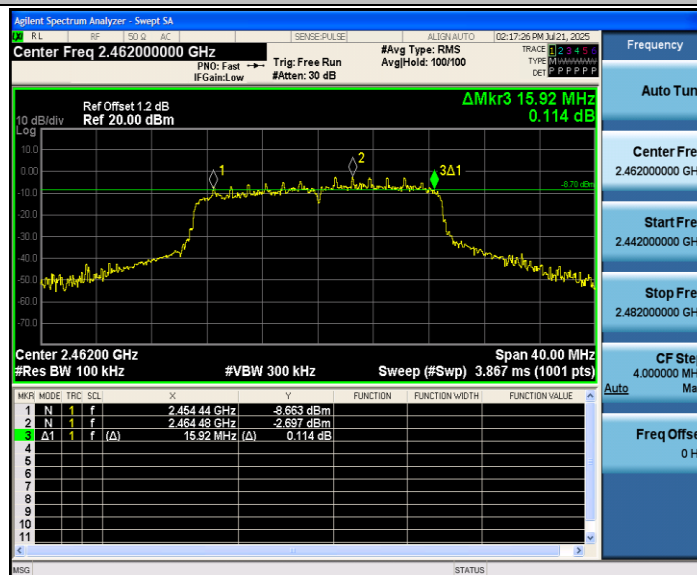
11N20SISO_Ant1_2412



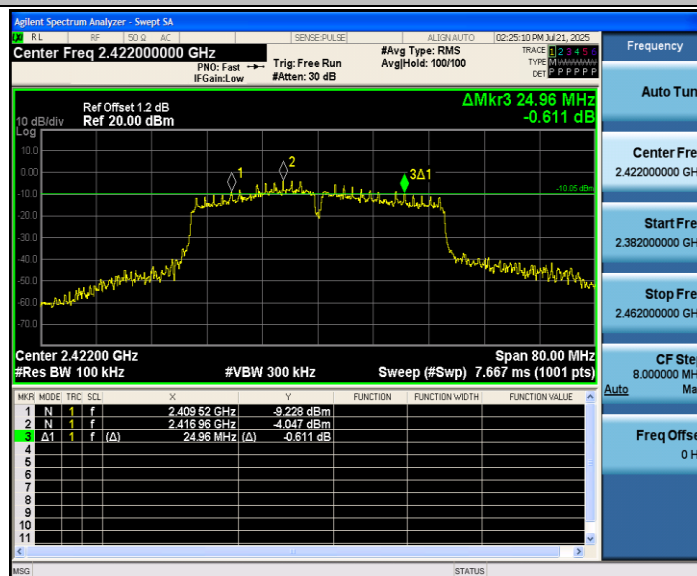
11N20SISO_Ant1_2437



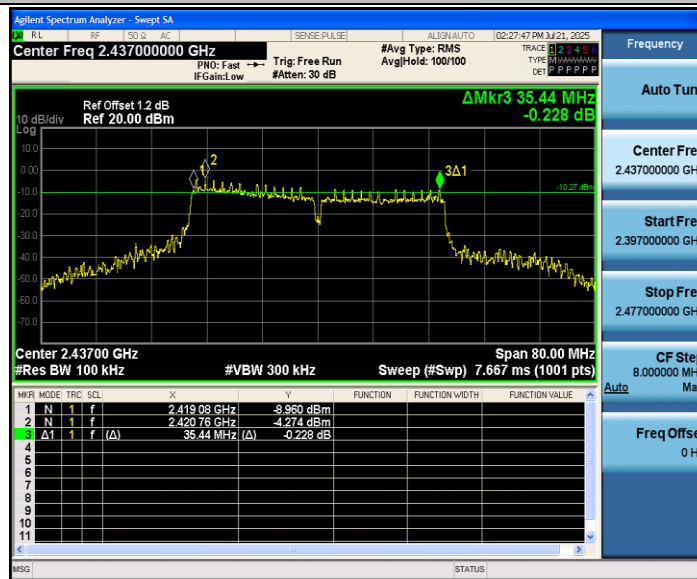
11N20SISO_Ant1_2462



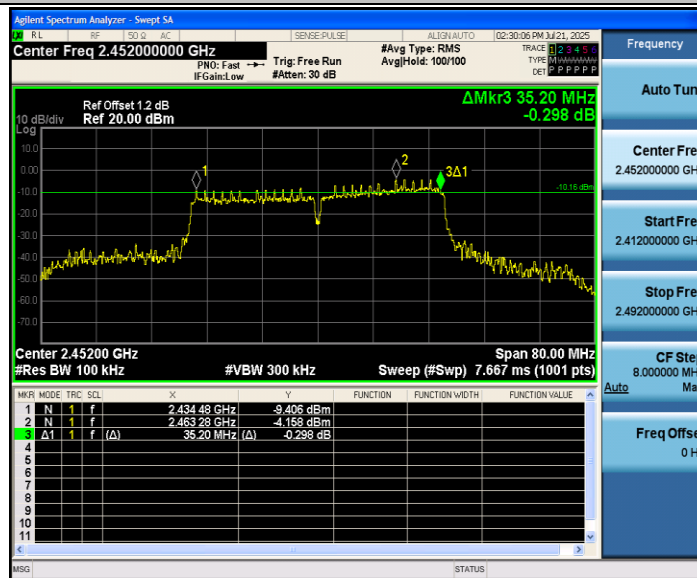
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



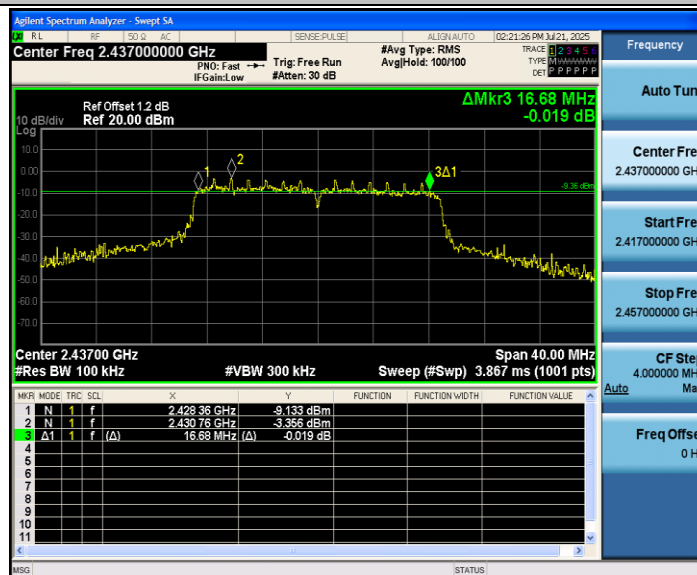
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



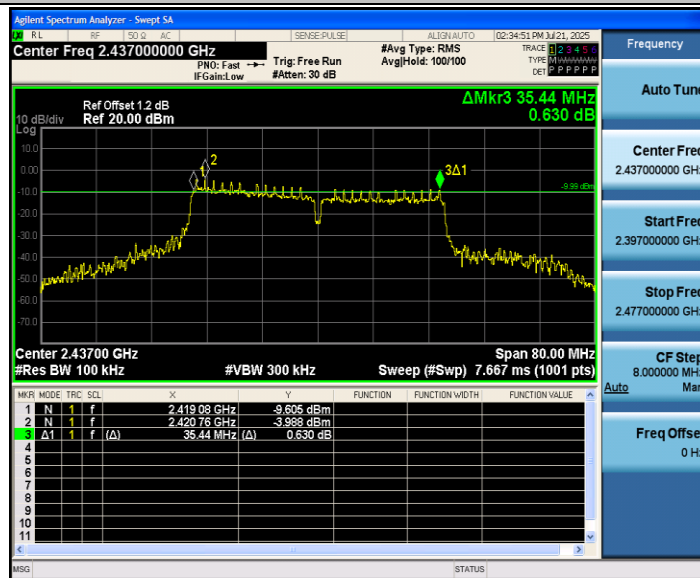
11AX20SISO_Ant1_2462



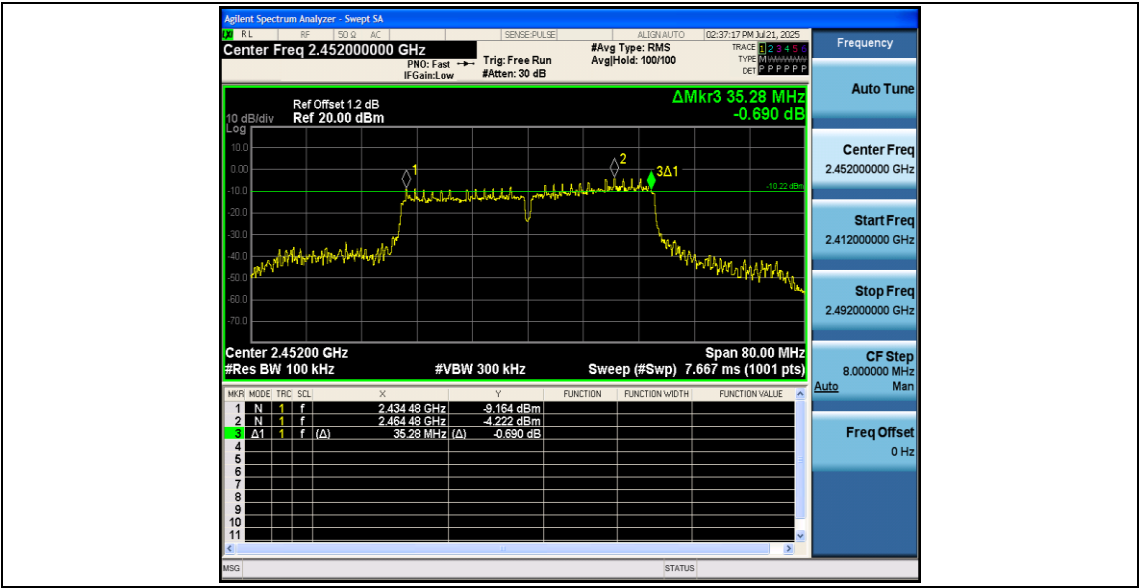
11AX40SISO_Ant1_2422



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	11.998	2406.8458	2418.8438	---	---
		2437	12.205	2430.8336	2443.0386	---	---
		2462	11.550	2456.5626	2468.1126	---	---
11G	Ant1	2412	16.550	2404.0308	2420.5808	---	---
		2437	16.826	2428.4459	2445.2719	---	---
		2462	16.492	2453.9245	2470.4165	---	---
11N20SISO	Ant1	2412	17.489	2403.5582	2421.0472	---	---
		2437	17.897	2427.9312	2445.8282	---	---
		2462	17.493	2453.3937	2470.8867	---	---
11N40SISO	Ant1	2422	35.459	2404.4004	2439.8594	---	---
		2437	36.742	2418.4499	2455.1919	---	---
		2452	36.483	2434.0357	2470.5187	---	---
11AX20SISO	Ant1	2412	17.577	2403.5587	2421.1357	---	---
		2437	17.839	2427.9767	2445.8157	---	---
		2462	17.477	2453.4200	2470.8970	---	---
11AX40SISO	Ant1	2422	35.424	2404.4779	2439.9019	---	---
		2437	36.695	2418.5119	2455.2069	---	---
		2452	36.435	2433.9736	2470.4086	---	---

Test Graphs

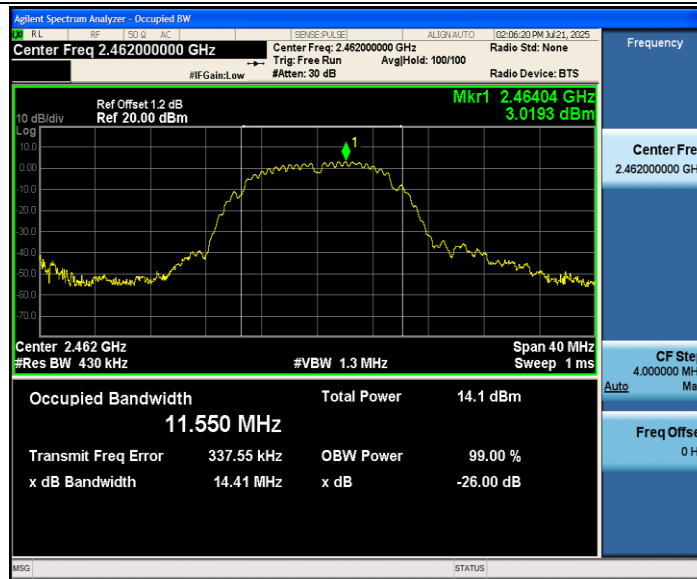
11B_Ant1_2412



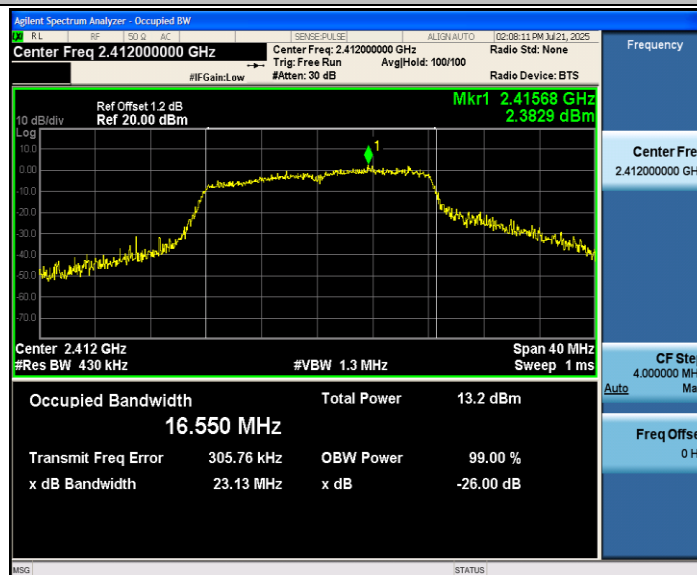
11B_Ant1_2437



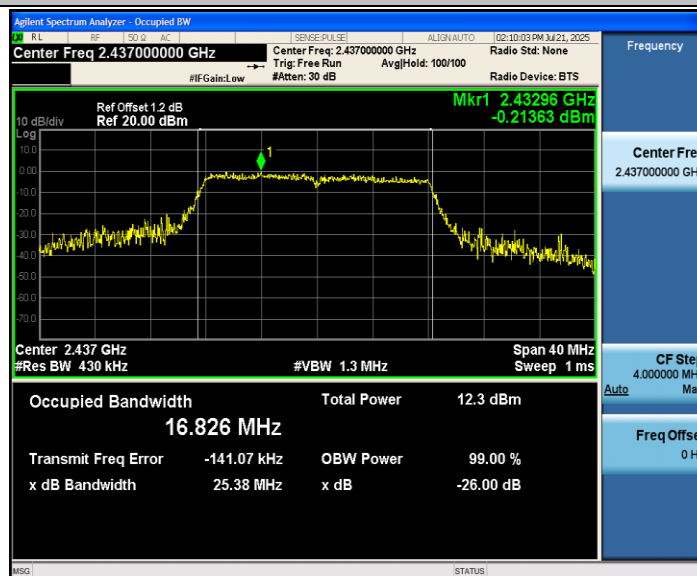
11B_Ant1_2462



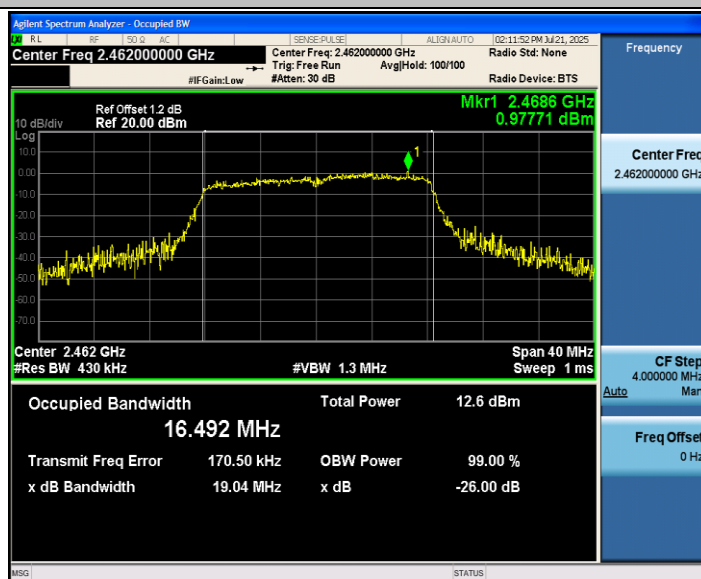
11G_Ant1_2412



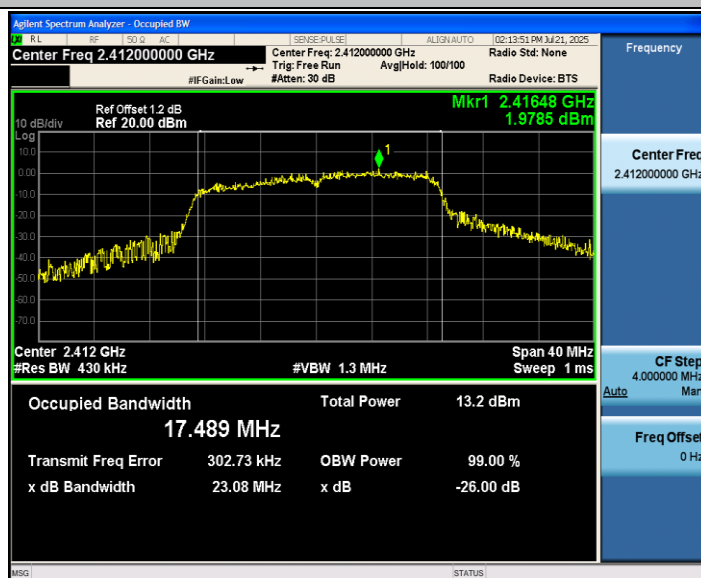
11G_Ant1_2437



11G_Ant1_2462



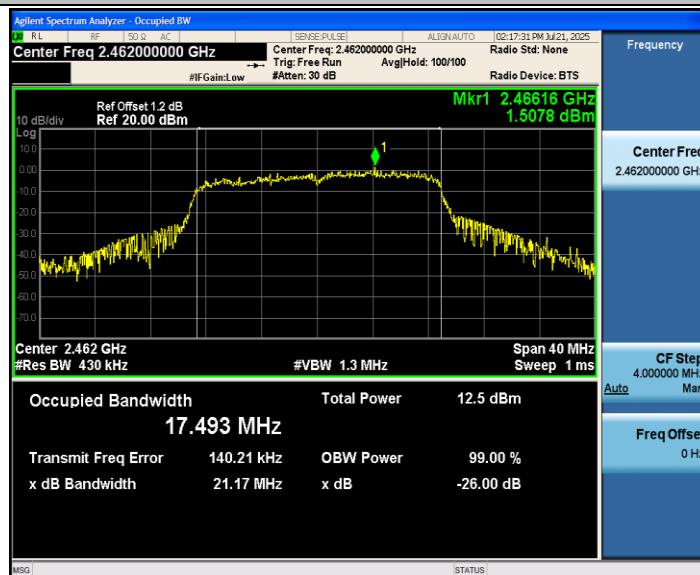
11N20SISO_Ant1_2412



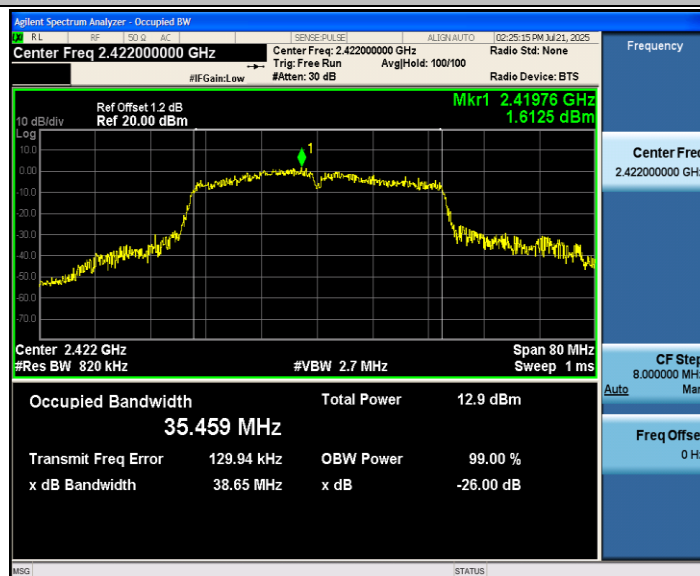
11N20SISO_Ant1_2437



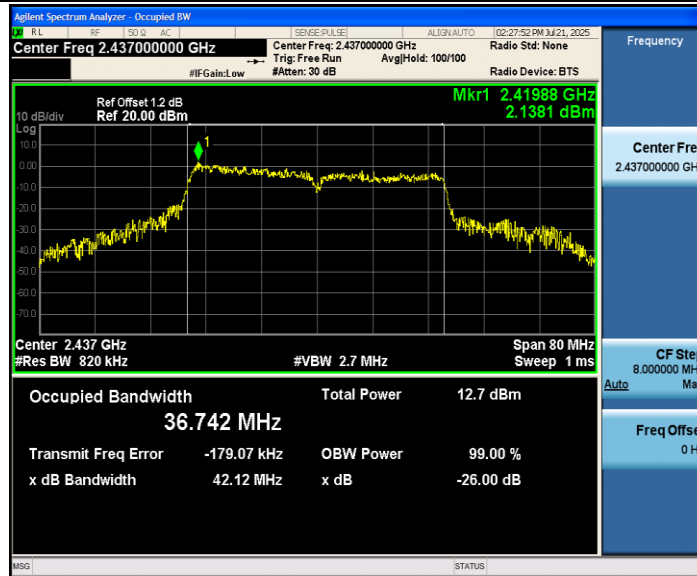
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



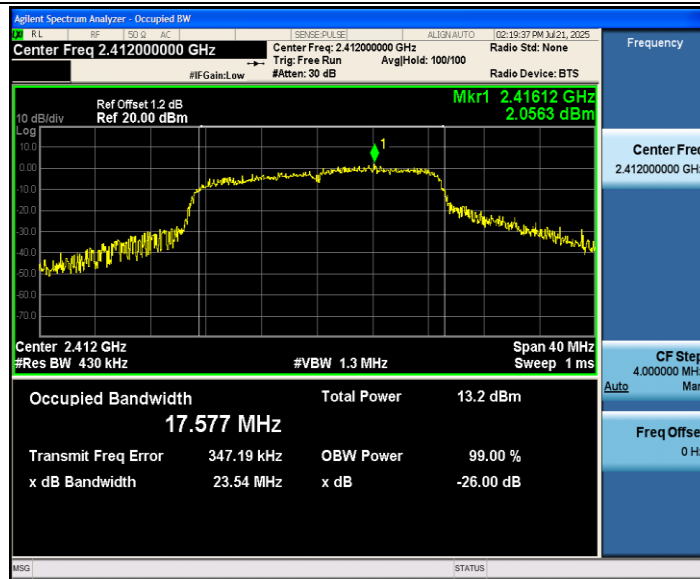
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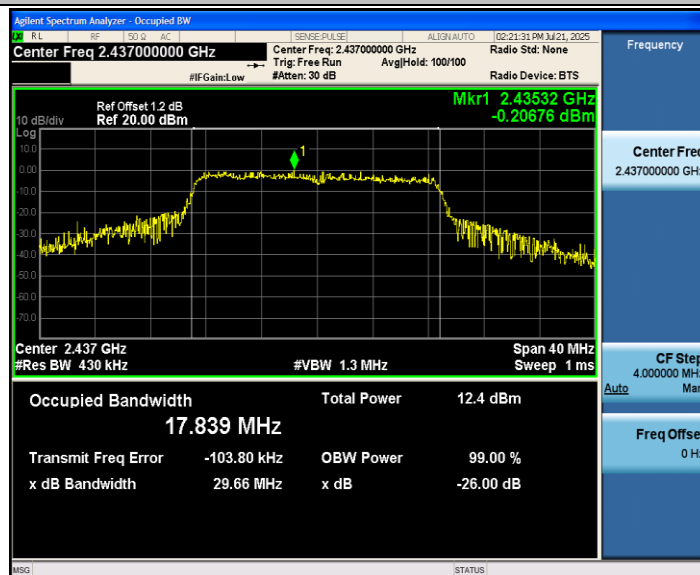
11N40SISO_Ant1_2452



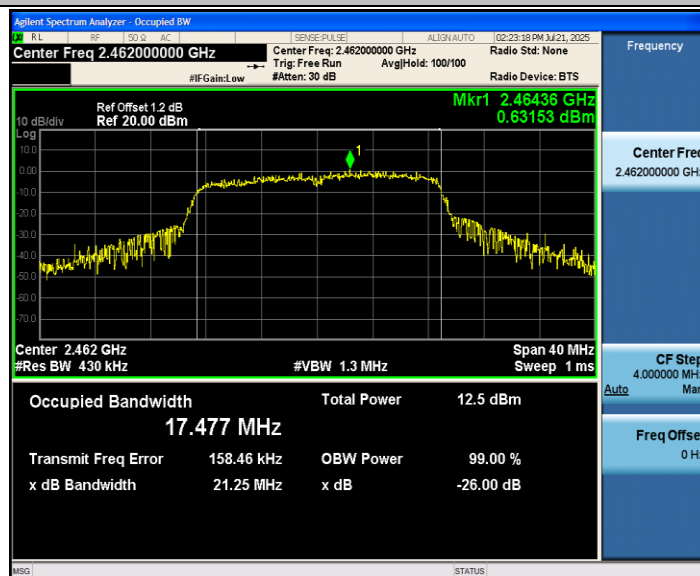
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.88	≤30.00	PASS
		2437	14.24	≤30.00	PASS
		2462	13.99	≤30.00	PASS
11G	Ant1	2412	13.48	≤30.00	PASS
		2437	13.03	≤30.00	PASS
		2462	13.13	≤30.00	PASS
11N20SISO	Ant1	2412	13.61	≤30.00	PASS
		2437	12.90	≤30.00	PASS
		2462	13.19	≤30.00	PASS
11N40SISO	Ant1	2422	12.48	≤30.00	PASS
		2437	12.87	≤30.00	PASS
		2452	13.22	≤30.00	PASS
11AX20SISO	Ant1	2412	13.46	≤30.00	PASS
		2437	12.95	≤30.00	PASS
		2462	13.16	≤30.00	PASS
11AX40SISO	Ant1	2422	12.43	≤30.00	PASS
		2437	12.97	≤30.00	PASS
		2452	13.31	≤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	-10.33	≤8.00	PASS
		2437	-11.55	≤8.00	PASS
		2462	-10.92	≤8.00	PASS
11G	Ant1	2412	-16.81	≤8.00	PASS
		2437	-18.53	≤8.00	PASS
		2462	-18.16	≤8.00	PASS
11N20SISO	Ant1	2412	-16.45	≤8.00	PASS
		2437	-18.35	≤8.00	PASS
		2462	-18.58	≤8.00	PASS
11N40SISO	Ant1	2422	-18.80	≤8.00	PASS
		2437	-19.65	≤8.00	PASS
		2452	-17.76	≤8.00	PASS
11AX20SISO	Ant1	2412	-16.83	≤8.00	PASS
		2437	-18.81	≤8.00	PASS
		2462	-18.33	≤8.00	PASS
11AX40SISO	Ant1	2422	-18.21	≤8.00	PASS
		2437	-19.72	≤8.00	PASS
		2452	-18.22	≤8.00	PASS

Test Graphs

11B_Ant1_2412



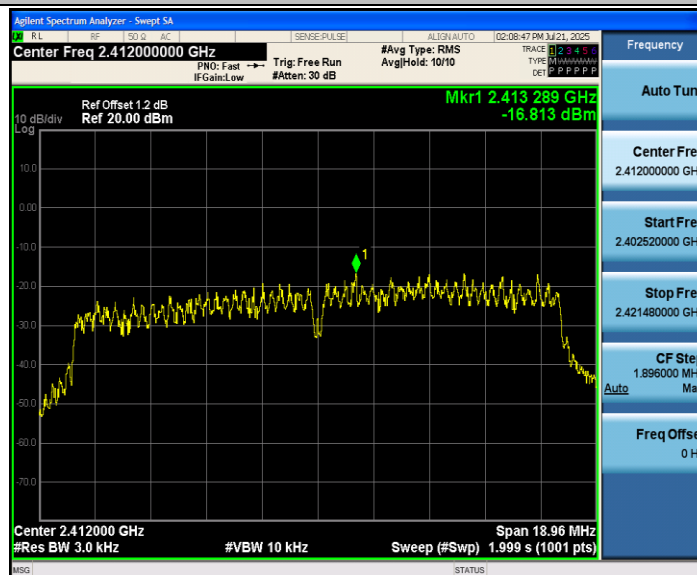
11B_Ant1_2437



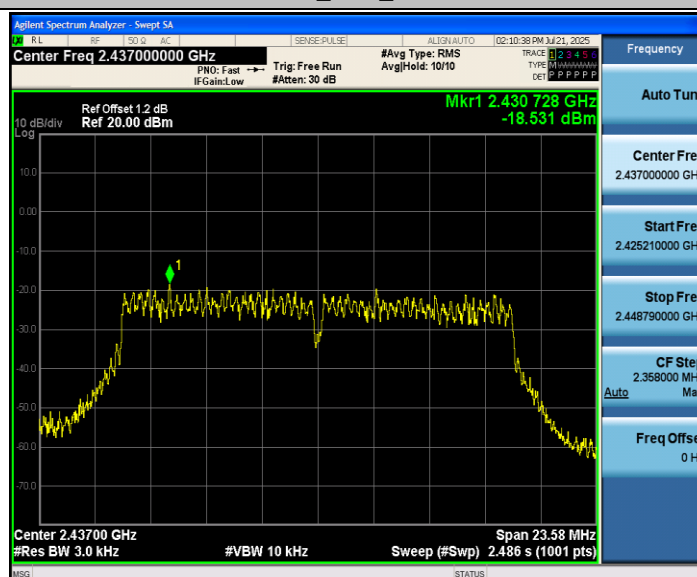
11B_Ant1_2462



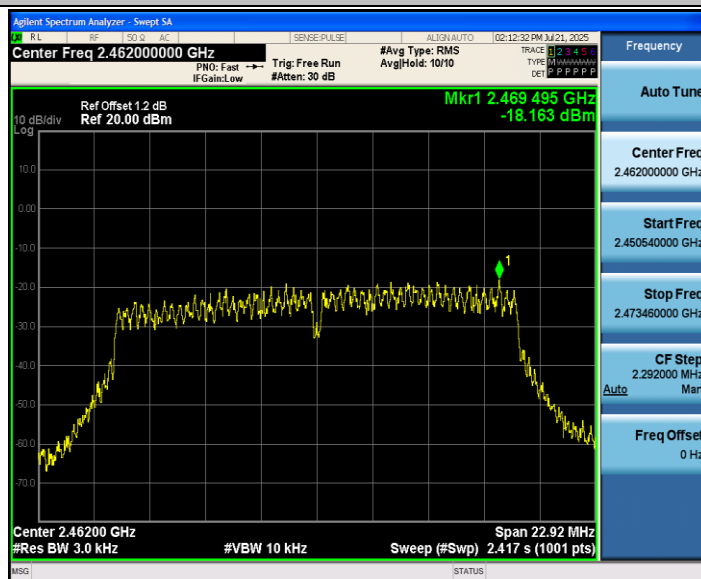
11G_Ant1_2412



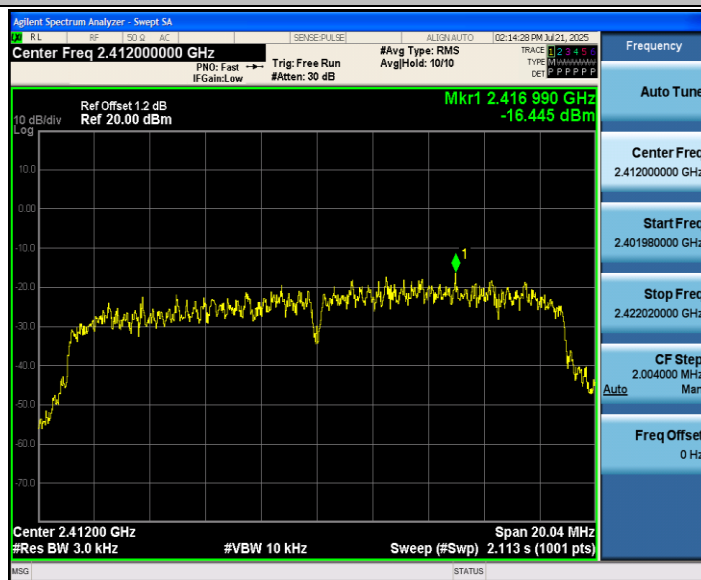
11G_Ant1_2437



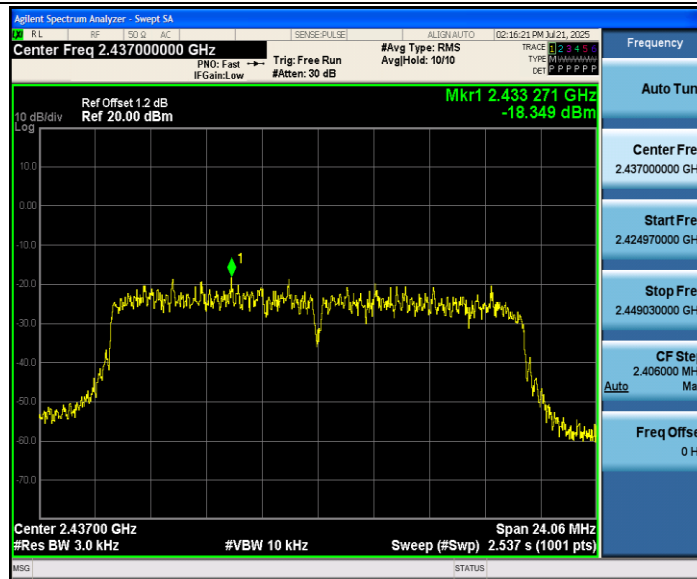
11G_Ant1_2462



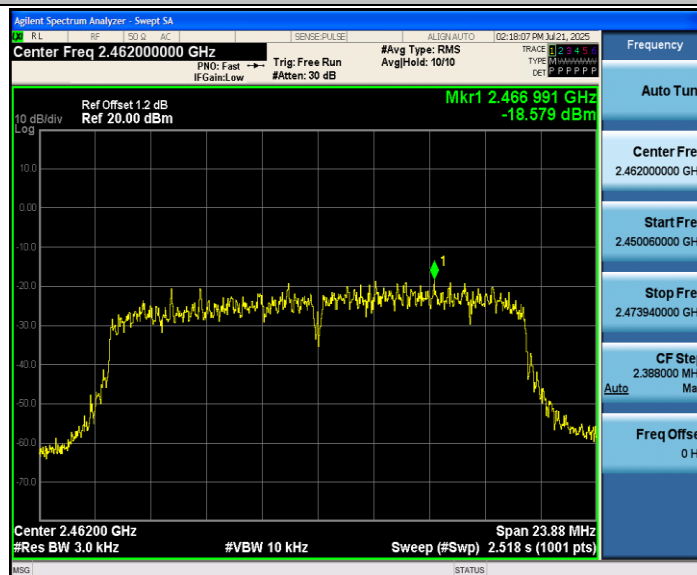
11N20SISO_Ant1_2412



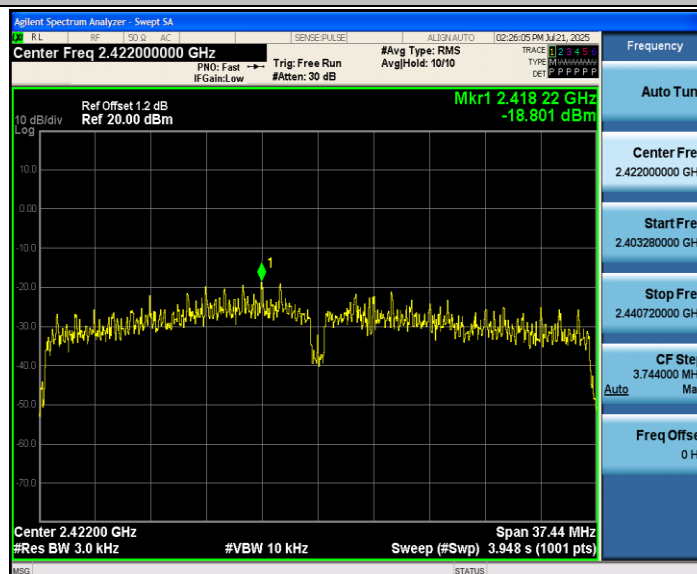
11N20SISO_Ant1_2437



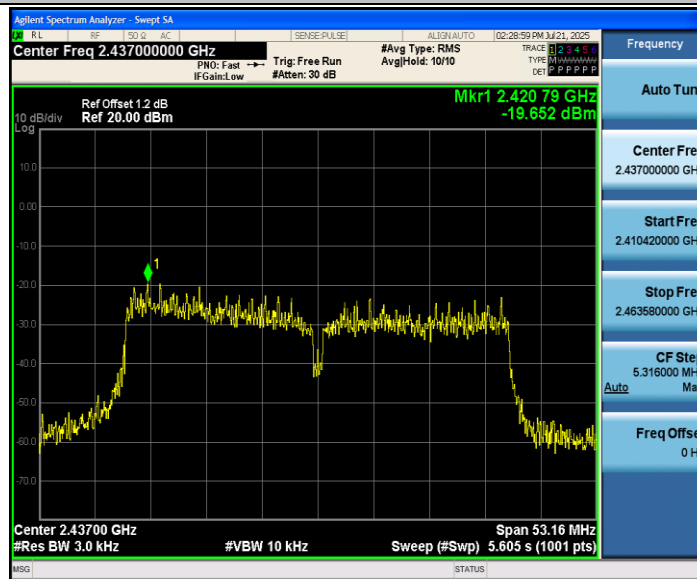
11N20SISO_Ant1_2462



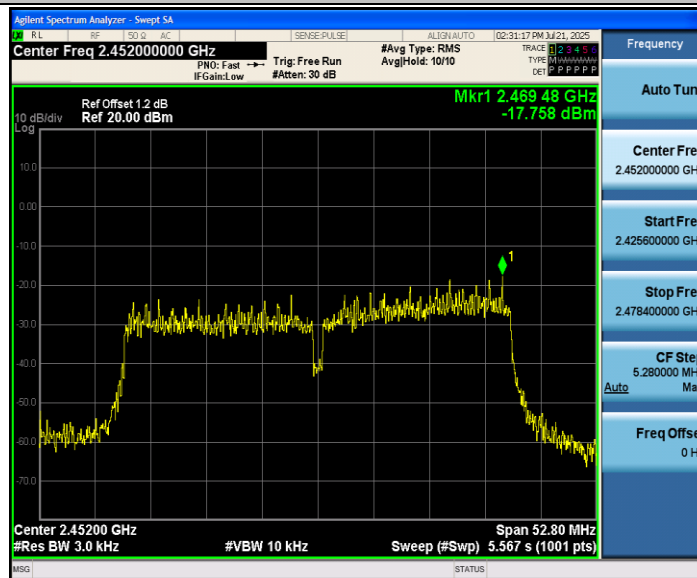
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



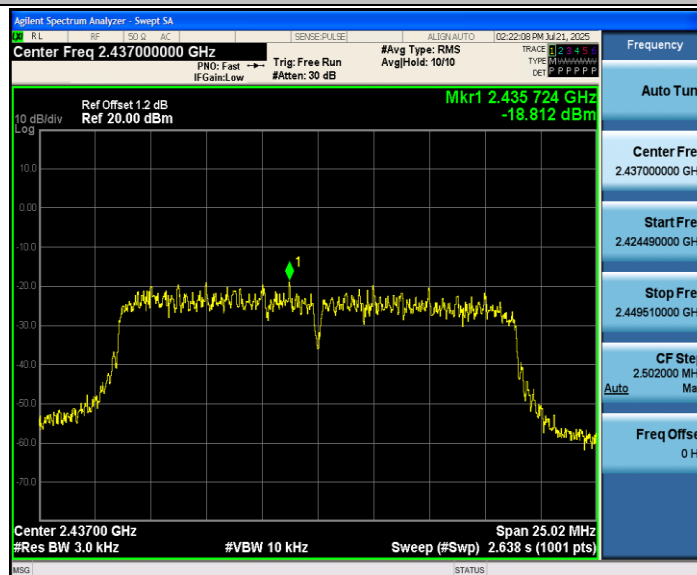
11N40SISO_Ant1_2452



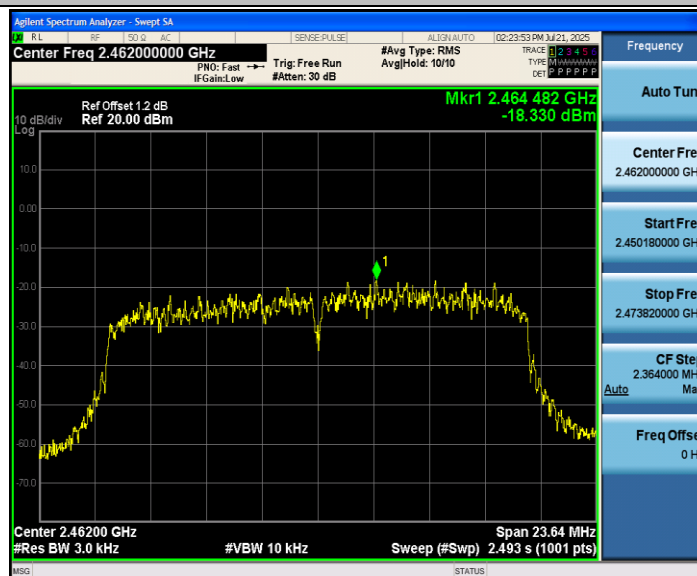
11AX20SISO_Ant1_2412



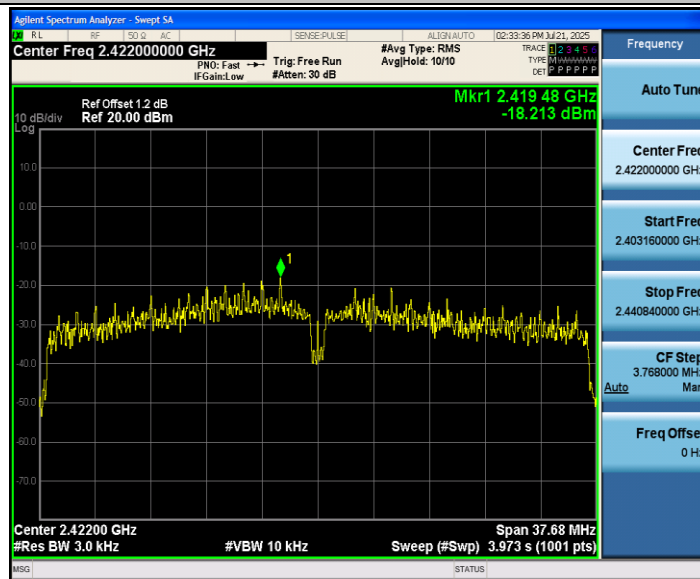
11AX20SISO_Ant1_2437



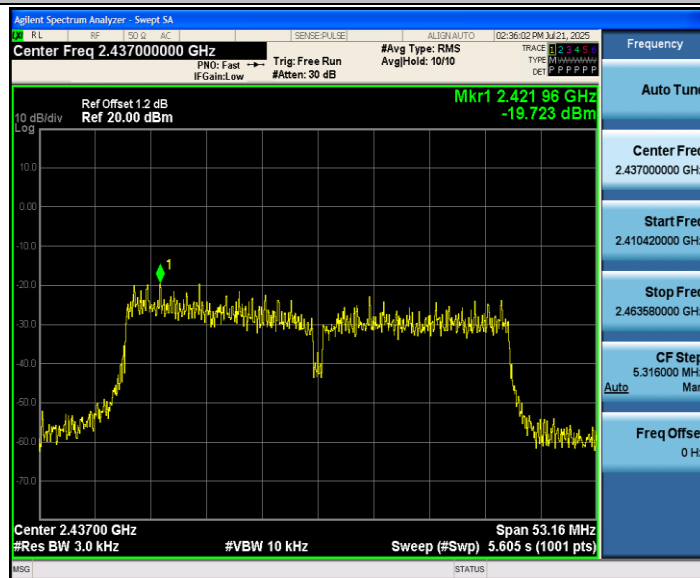
11AX20SISO_Ant1_2462



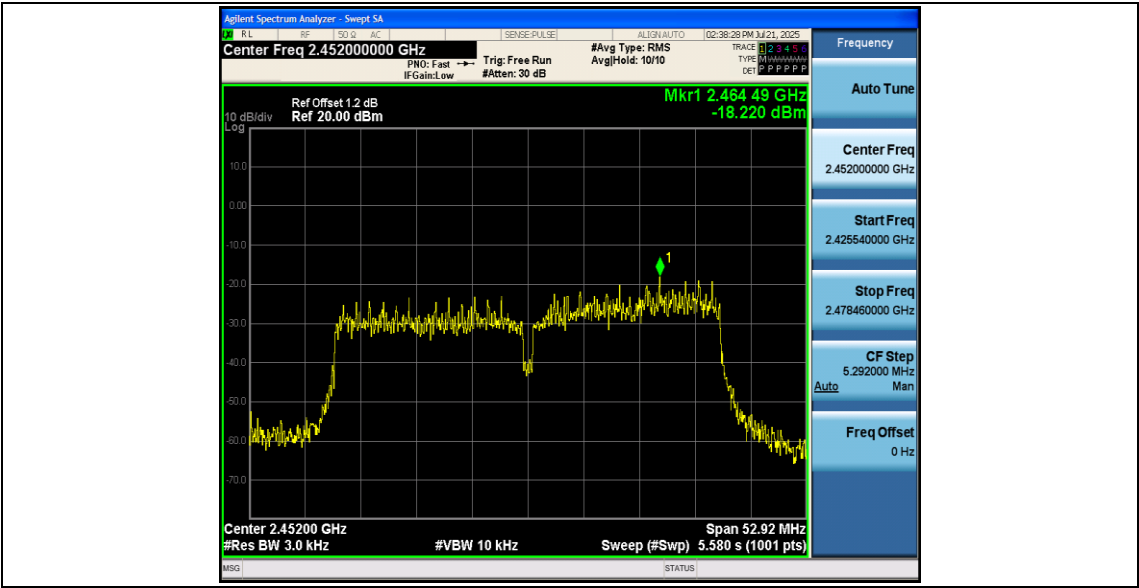
11AX40SISO_Ant1_2422



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	2.88	-40.3	≤-17.12	PASS
		High	2462	2.75	-56.77	≤-17.25	PASS
11G	Ant1	Low	2412	-1.06	-43.5	≤-21.06	PASS
		High	2462	-2.44	-51.76	≤-22.44	PASS
11N20SISO	Ant1	Low	2412	-1.16	-38.46	≤-21.16	PASS
		High	2462	-2.35	-52.08	≤-22.35	PASS
11N40SISO	Ant1	Low	2422	-3.87	-43.15	≤-23.87	PASS
		High	2452	-4.14	-41.82	≤-24.14	PASS
11AX20SISO	Ant1	Low	2412	-1.06	-38.54	≤-21.06	PASS
		High	2462	-2.47	-52.79	≤-22.47	PASS
11AX40SISO	Ant1	Low	2422	-3.76	-43.47	≤-23.76	PASS
		High	2452	-4.12	-41.66	≤-24.12	PASS