

FCC Appendix RF Test Data

FCC ID : 2BQZB-G1688-08

Company : Shenzhen GPD Technology Co., Ltd.

EUT : Mini Computer

Model Number : G1688-08

Report No. : CTA25070900202

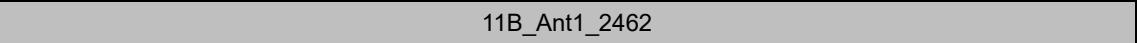
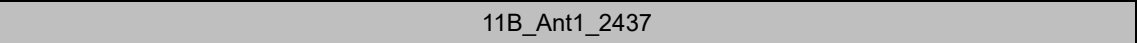
Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS
11AX20SISO	Ant1	2412	16.200	2403.360	2419.560	0.5	PASS
		2437	15.080	2429.480	2444.560	0.5	PASS
		2462	16.240	2453.320	2469.560	0.5	PASS
11AX40SISO	Ant1	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

11B_Ant1_2412





11G_Ant1_2412



11G_Ant1_2437

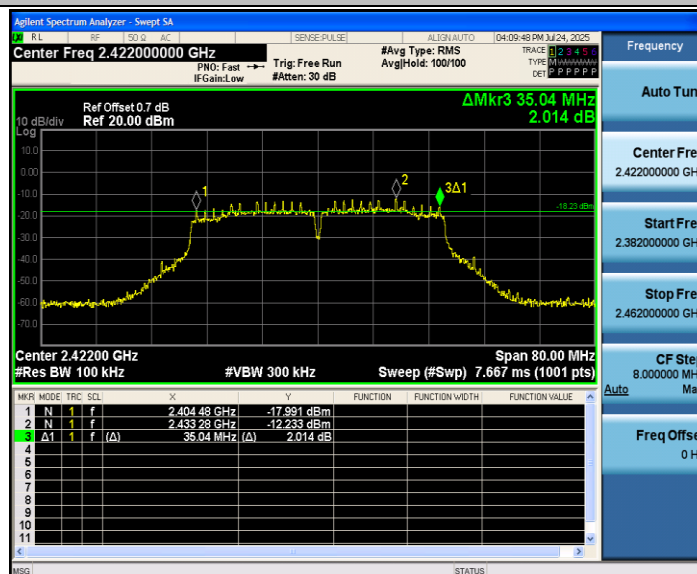




11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



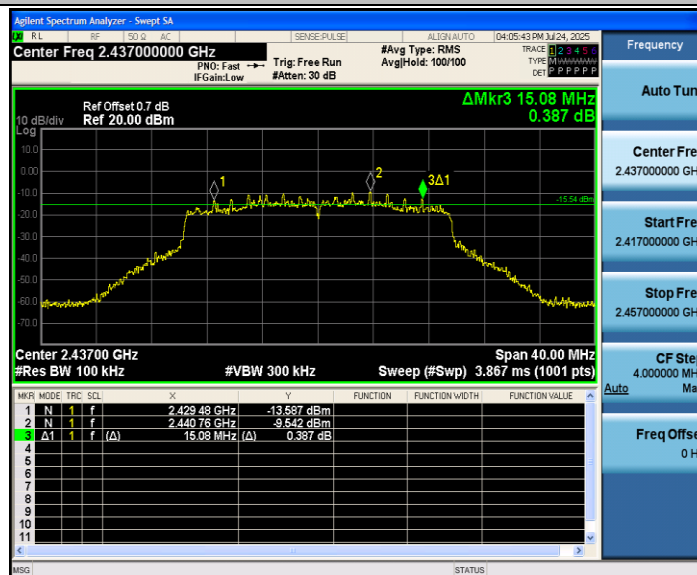
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



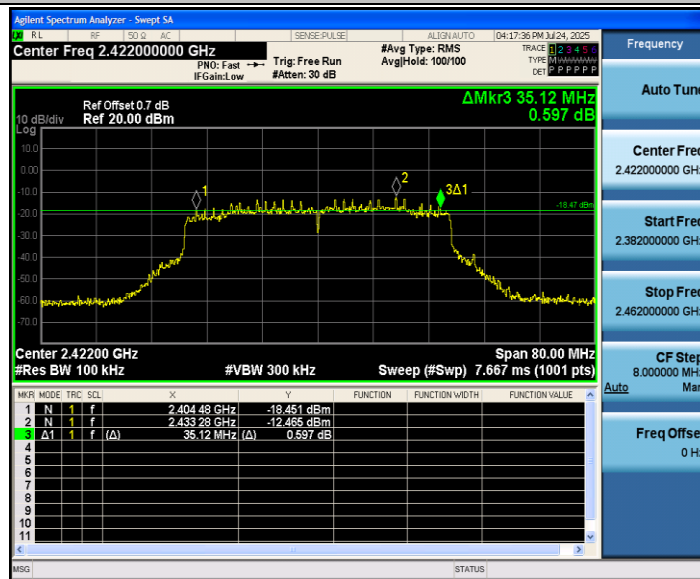
11AX20SISO_Ant1_2437



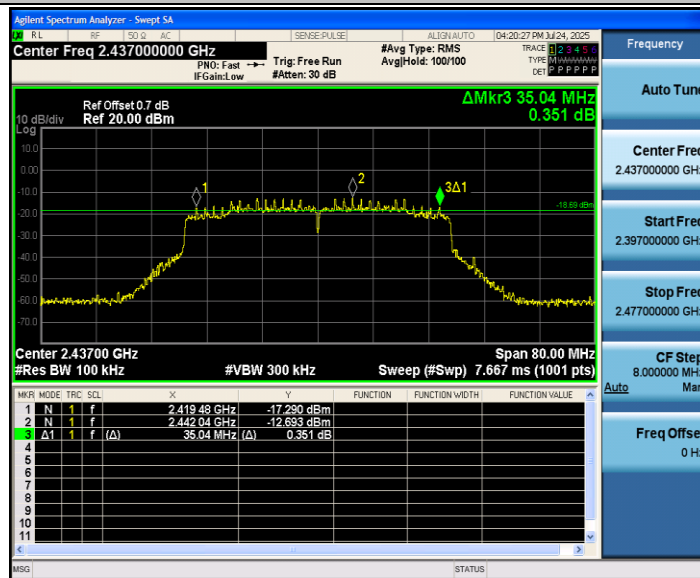
11AX20SISO_Ant1_2462



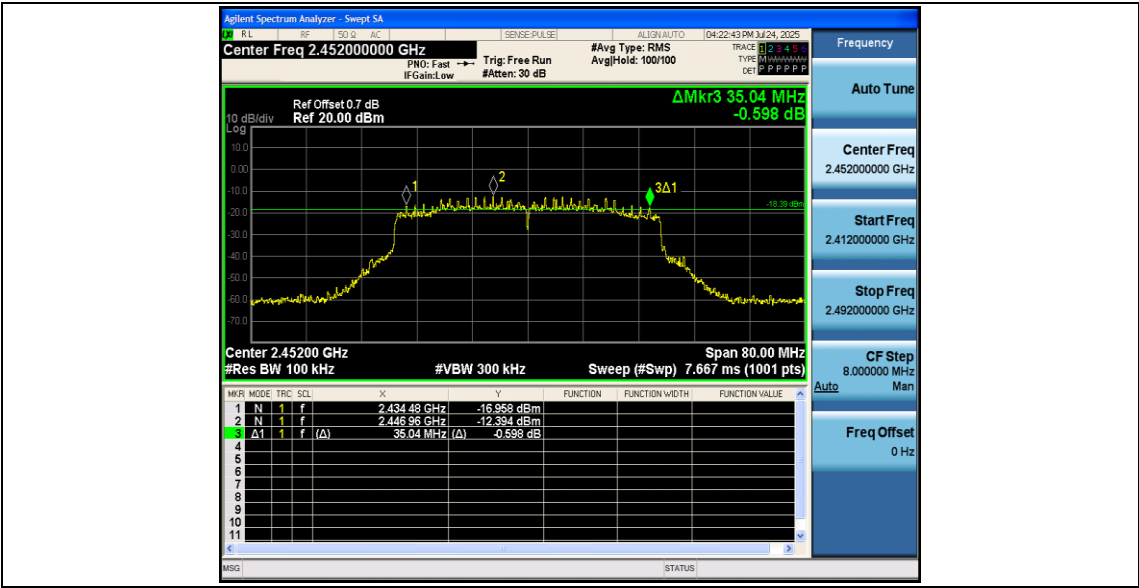
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



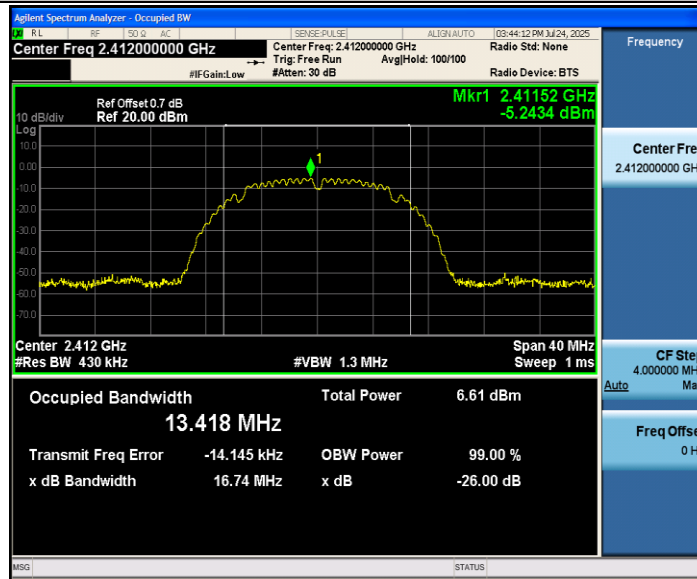
Appendix B: Occupied Channel Bandwidth

Test Result

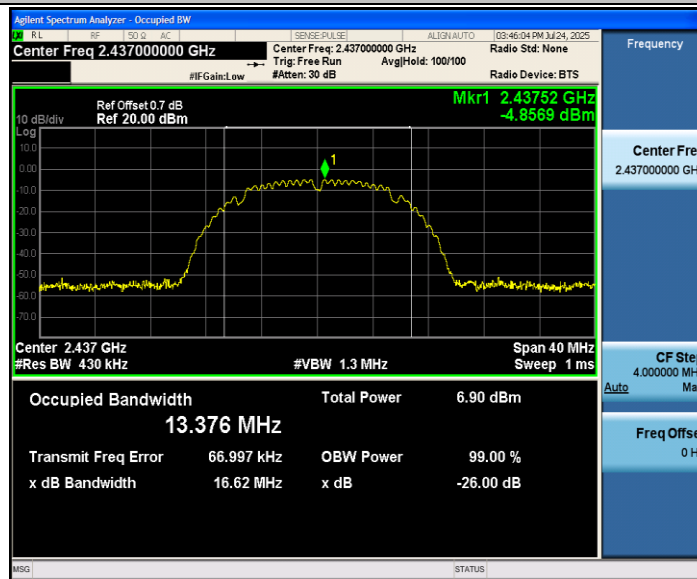
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.418	2405.2769	2418.6949	---	---
		2437	13.376	2430.3790	2443.7550	---	---
		2462	13.392	2455.2718	2468.6638	---	---
11G	Ant1	2412	16.859	2403.5805	2420.4395	---	---
		2437	16.758	2428.7166	2445.4746	---	---
		2462	16.762	2453.5911	2470.3531	---	---
11N20SISO	Ant1	2412	17.823	2403.0950	2420.9180	---	---
		2437	17.788	2428.1677	2445.9557	---	---
		2462	17.859	2453.0835	2470.9425	---	---
11N40SISO	Ant1	2422	36.180	2404.1377	2440.3177	---	---
		2437	35.996	2419.0963	2455.0923	---	---
		2452	35.919	2434.1110	2470.0300	---	---
11AX20SISO	Ant1	2412	18.909	2402.5660	2421.4750	---	---
		2437	18.940	2427.5674	2446.5074	---	---
		2462	18.906	2452.5389	2471.4449	---	---
11AX40SISO	Ant1	2422	37.690	2403.3964	2441.0864	---	---
		2437	37.571	2418.3807	2455.9517	---	---
		2452	37.534	2433.3062	2470.8402	---	---

Test Graphs

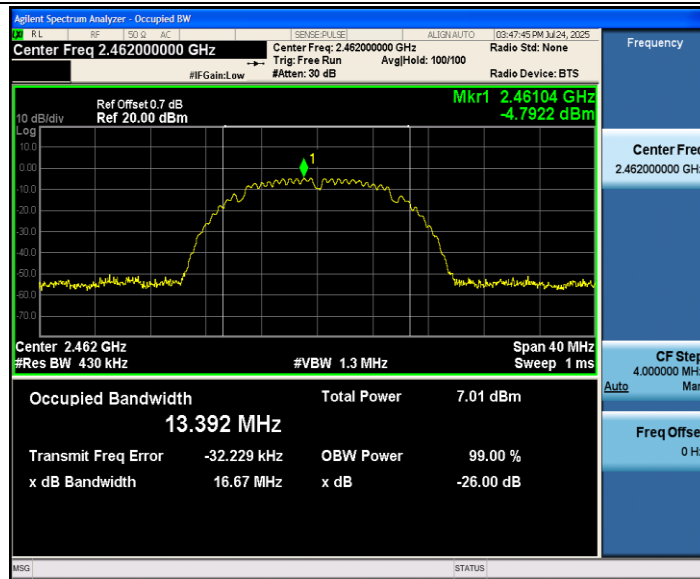
11B_Ant1_2412



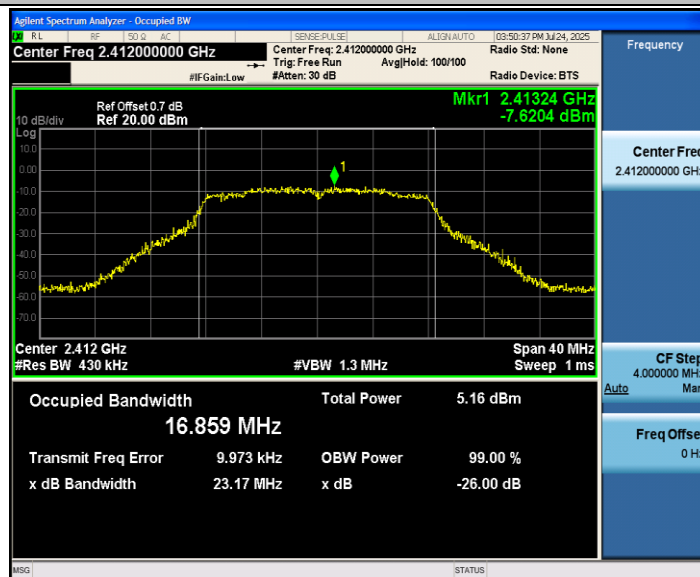
11B_Ant1_2437



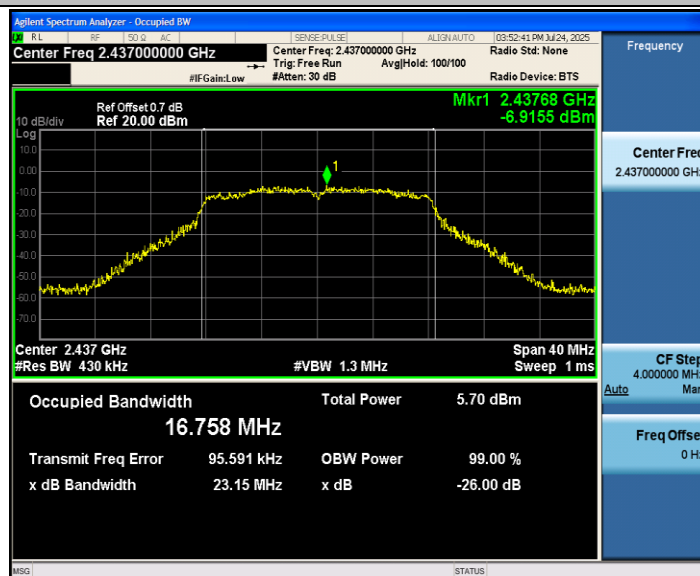
11B_Ant1_2462



11G_Ant1_2412



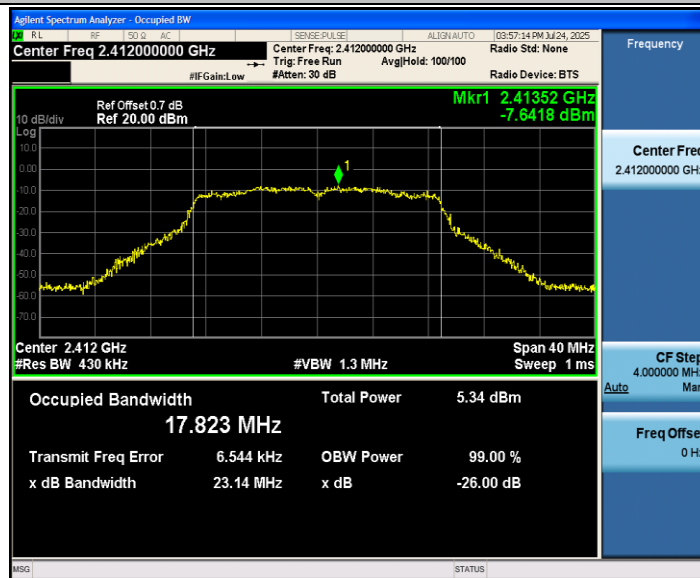
11G_Ant1_2437



11G_Ant1_2462



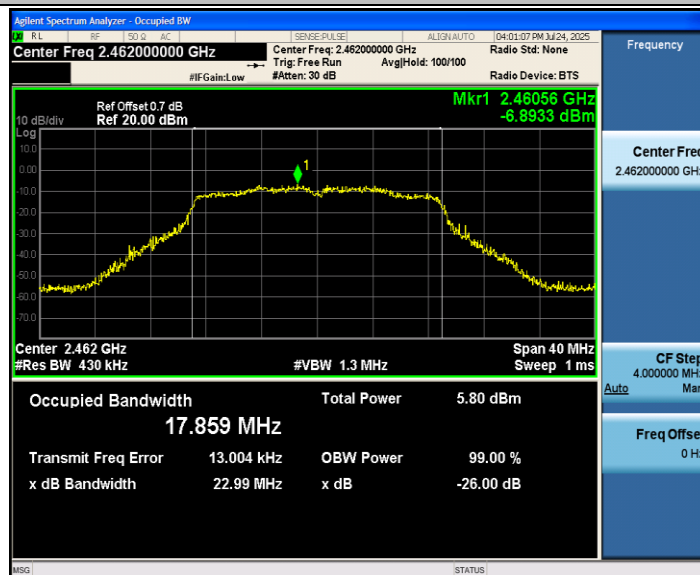
11N20SISO_Ant1_2412



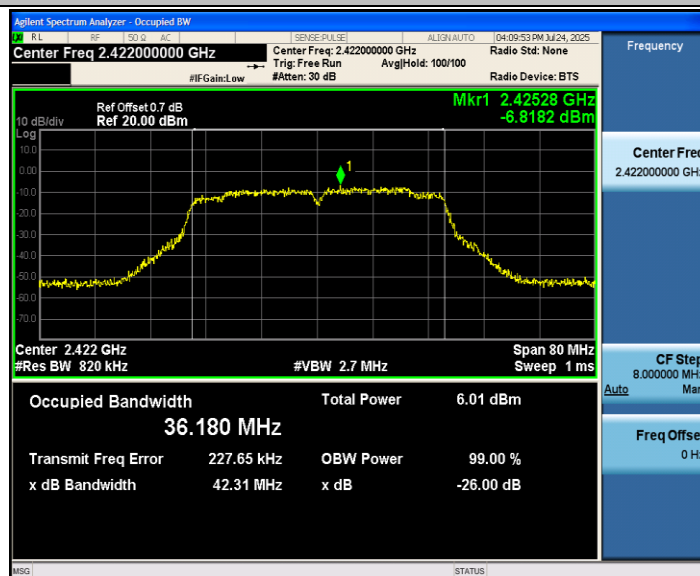
11N20SISO_Ant1_2437



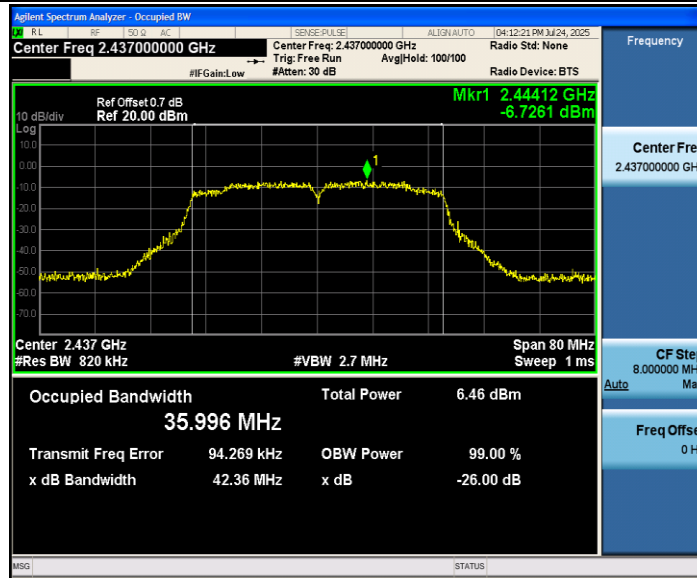
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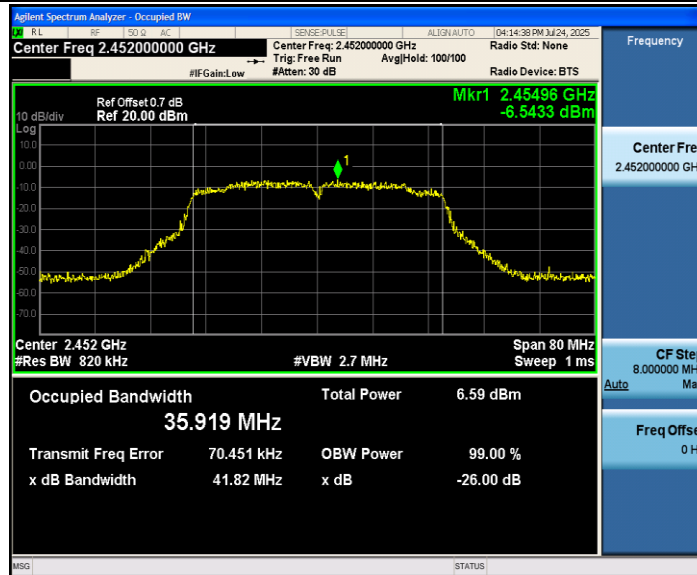
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



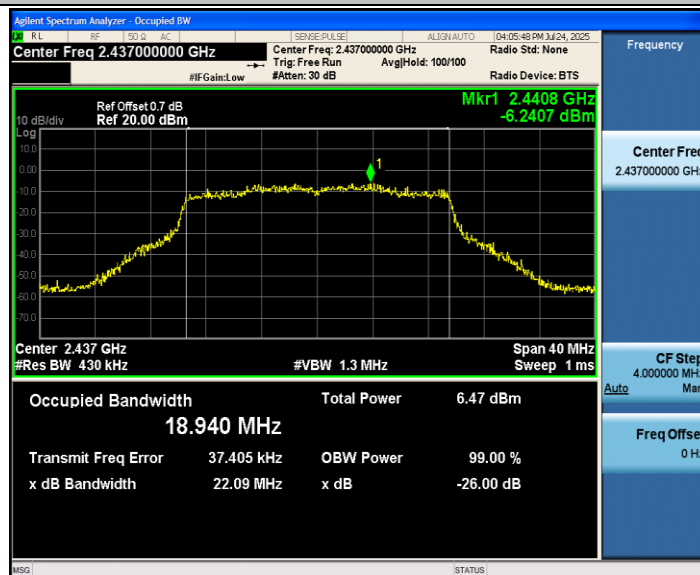
11N40SISO_Ant1_2452



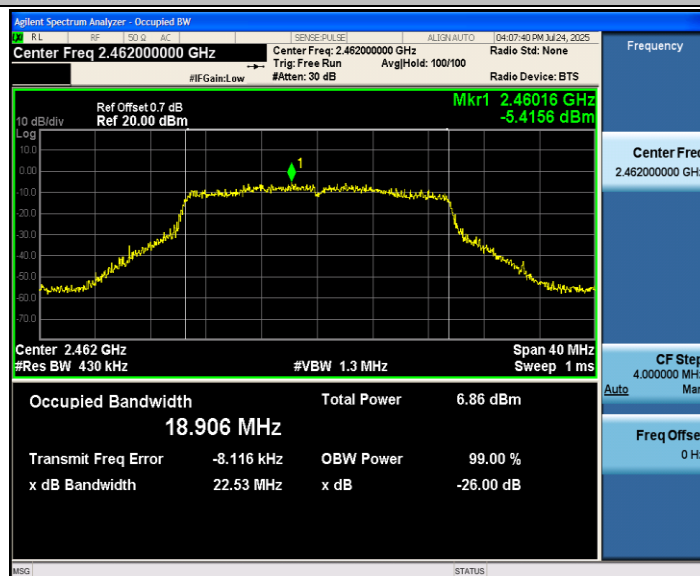
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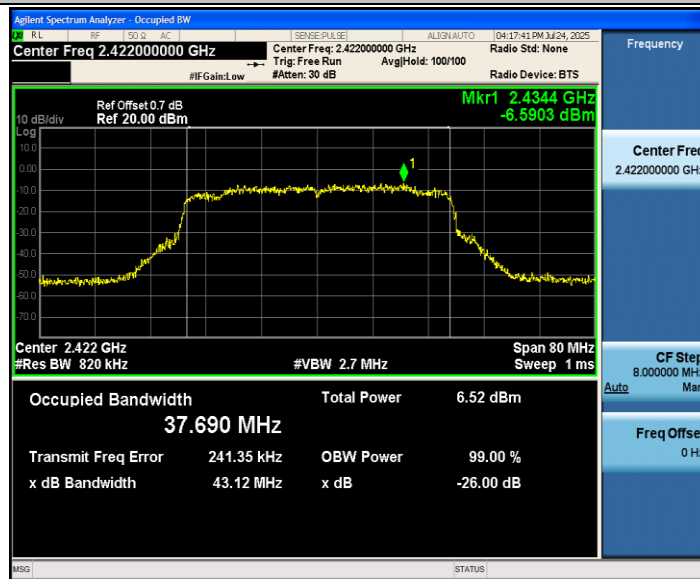
11AX20SISO_Ant1_2437



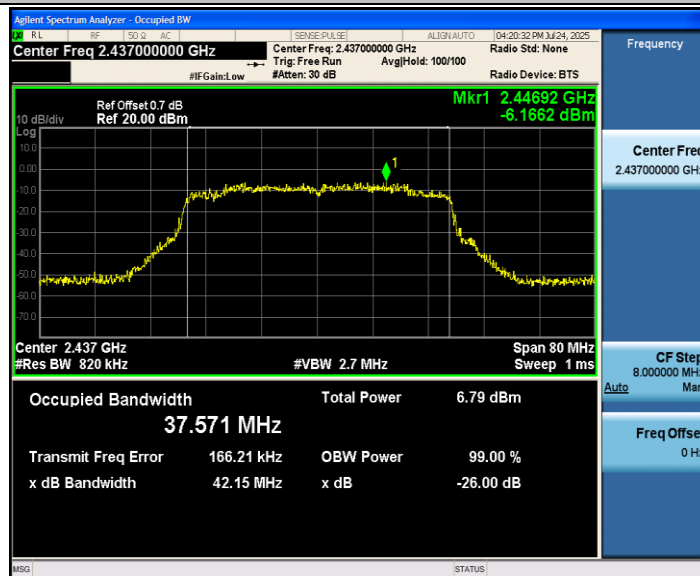
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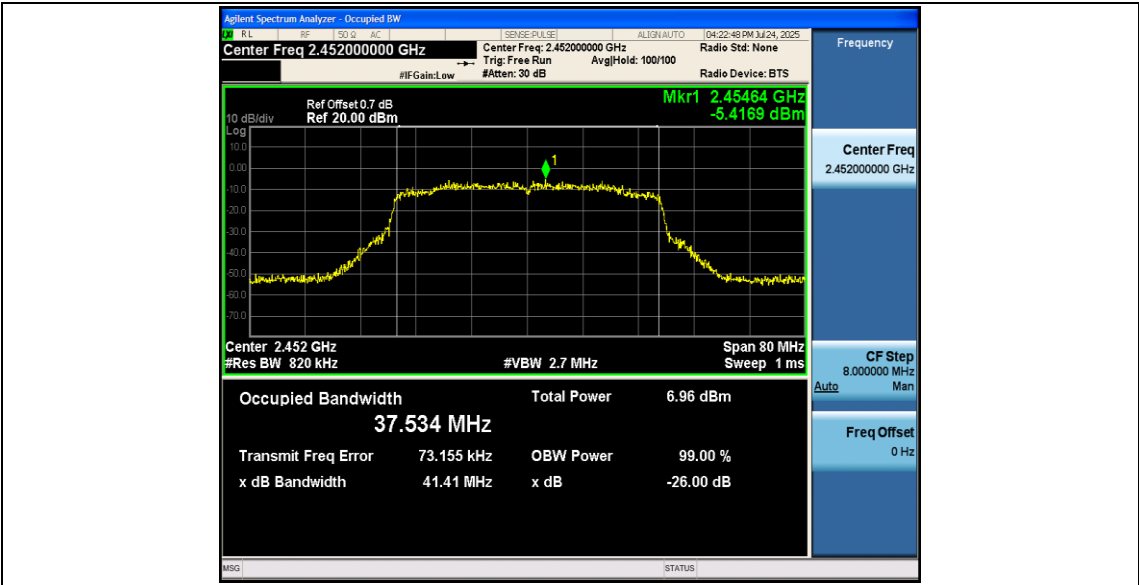
11AX40SISO_Ant1_2422



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	4.44	≤30.00	PASS
		2437	4.76	≤30.00	PASS
		2462	4.85	≤30.00	PASS
11G	Ant1	2412	4.79	≤30.00	PASS
		2437	4.14	≤30.00	PASS
		2462	4.42	≤30.00	PASS
11N20SISO	Ant1	2412	4.66	≤30.00	PASS
		2437	4.34	≤30.00	PASS
		2462	4.26	≤30.00	PASS
11N40SISO	Ant1	2422	3.24	≤30.00	PASS
		2437	3.11	≤30.00	PASS
		2452	3.53	≤30.00	PASS
11AX20SISO	Ant1	2412	4.15	≤30.00	PASS
		2437	4.61	≤30.00	PASS
		2462	4.33	≤30.00	PASS
11AX40SISO	Ant1	2422	3.51	≤30.00	PASS
		2437	3.13	≤30.00	PASS
		2452	3.46	≤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	-19.62	≤8.00	PASS
		2437	-18.51	≤8.00	PASS
		2462	-19.18	≤8.00	PASS
11G	Ant1	2412	-24.84	≤8.00	PASS
		2437	-24.71	≤8.00	PASS
		2462	-24.25	≤8.00	PASS
11N20SISO	Ant1	2412	-25.24	≤8.00	PASS
		2437	-24.41	≤8.00	PASS
		2462	-23.76	≤8.00	PASS
11N40SISO	Ant1	2422	-27.80	≤8.00	PASS
		2437	-26.58	≤8.00	PASS
		2452	-26.28	≤8.00	PASS
11AX20SISO	Ant1	2412	-24.68	≤8.00	PASS
		2437	-24.08	≤8.00	PASS
		2462	-25.10	≤8.00	PASS
11AX40SISO	Ant1	2422	-28.30	≤8.00	PASS
		2437	-27.72	≤8.00	PASS
		2452	-28.53	≤8.00	PASS

Test Graphs

11B_Ant1_2412



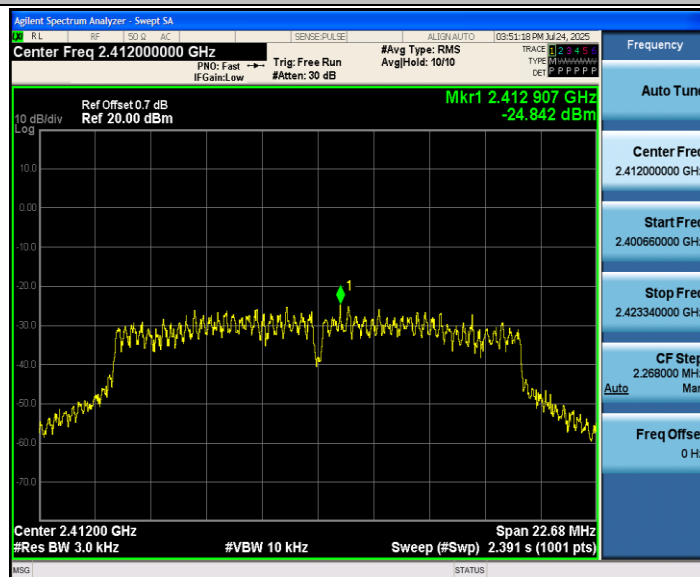
11B_Ant1_2437



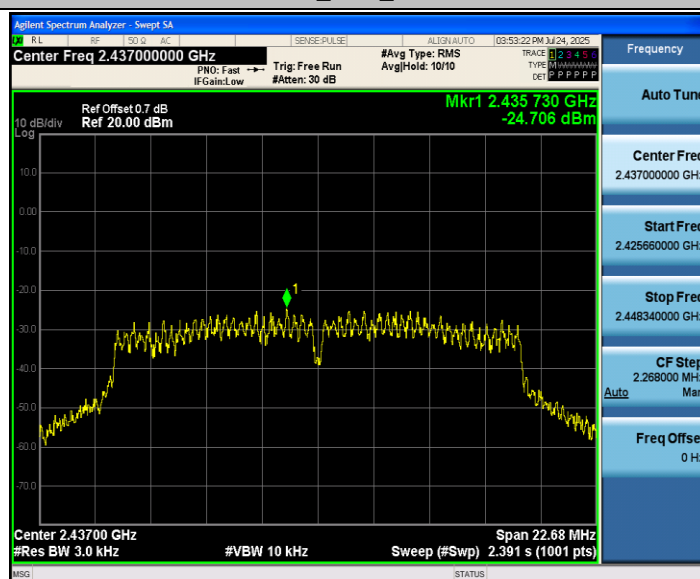
11B_Ant1_2462



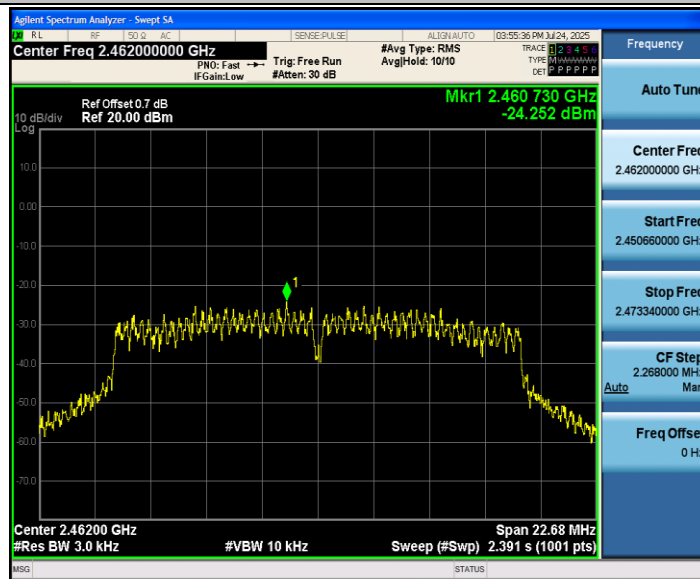
11G_Ant1_2412



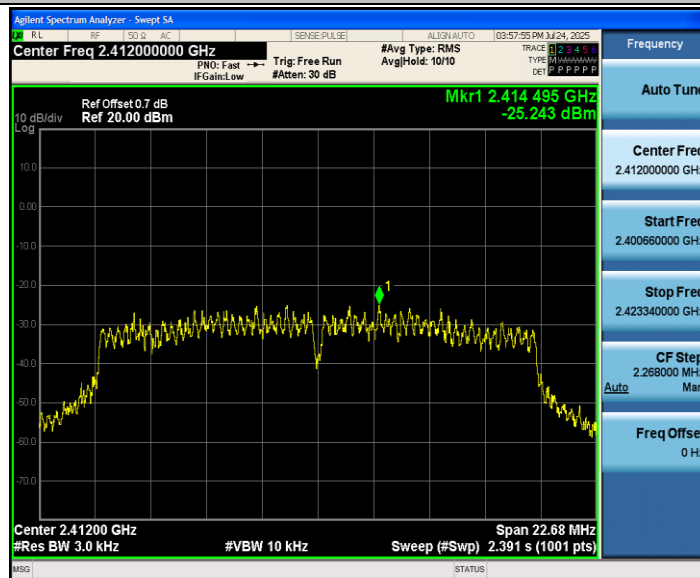
11G_Ant1_2437



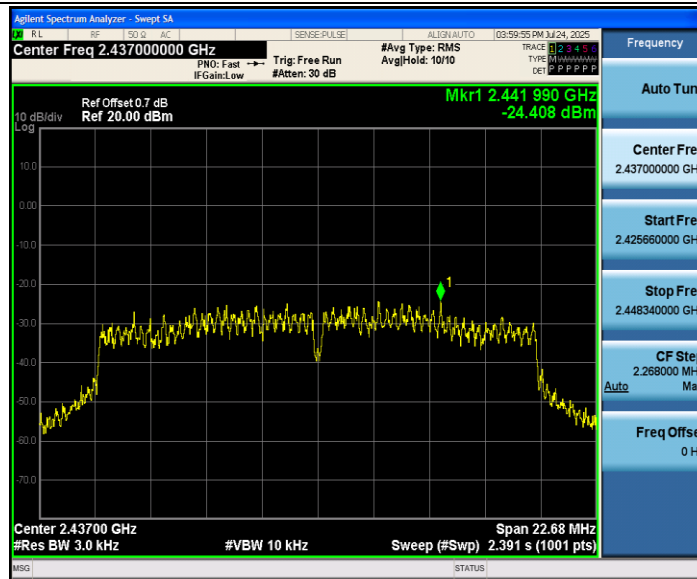
11G_Ant1_2462



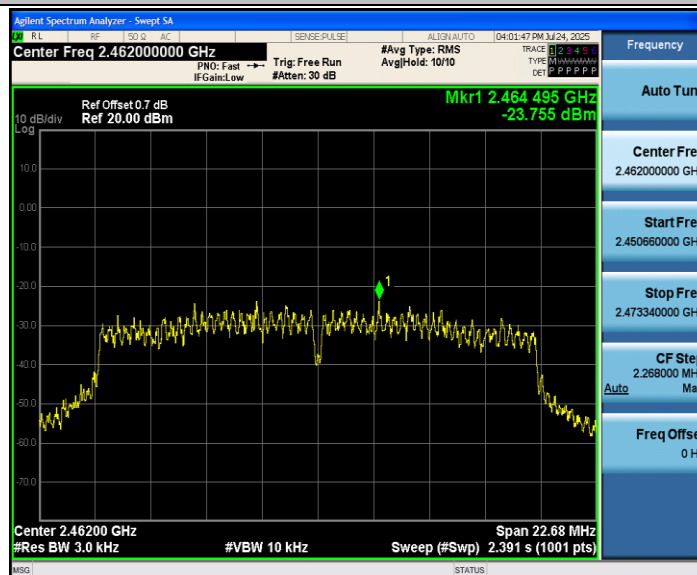
11N20SISO_Ant1_2412



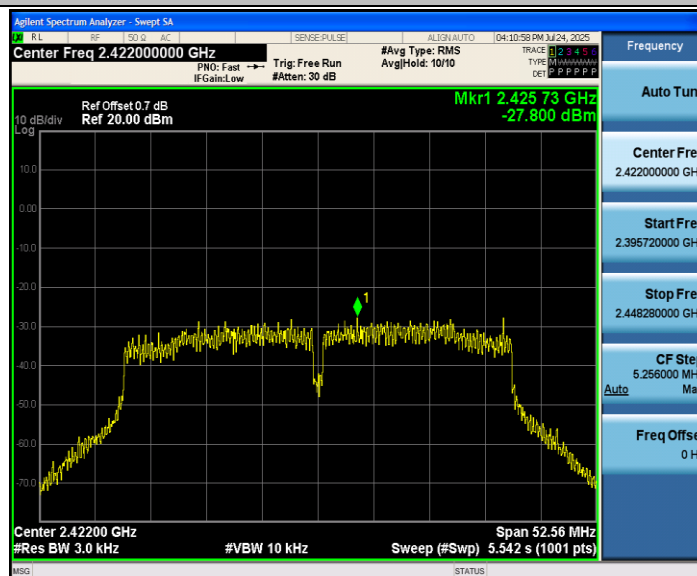
11N20SISO_Ant1_2437



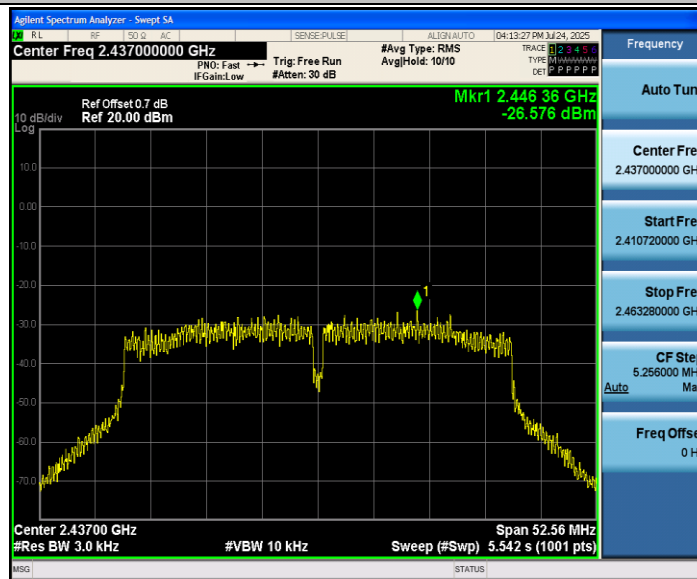
11N20SISO_Ant1_2462



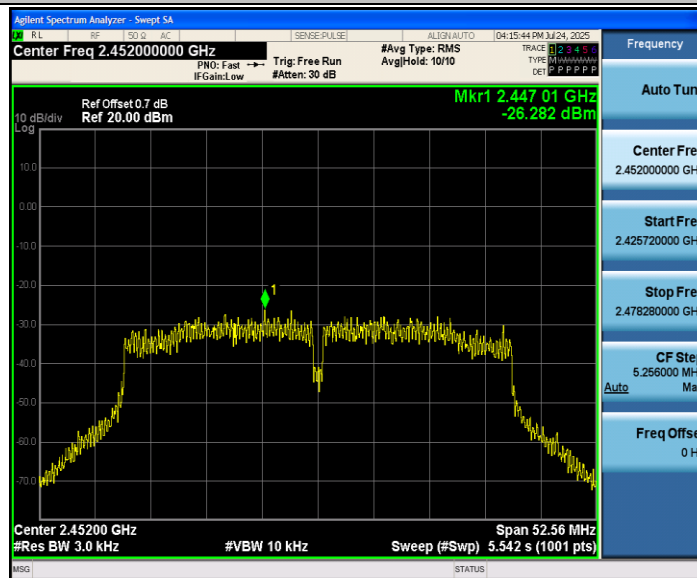
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



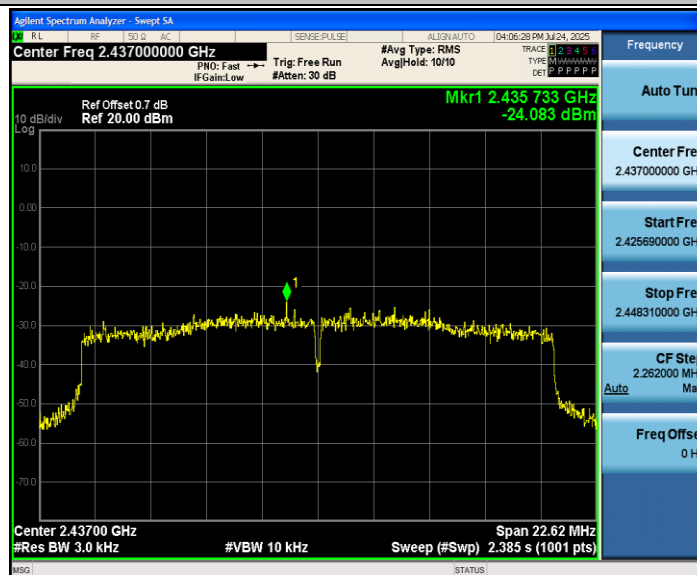
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



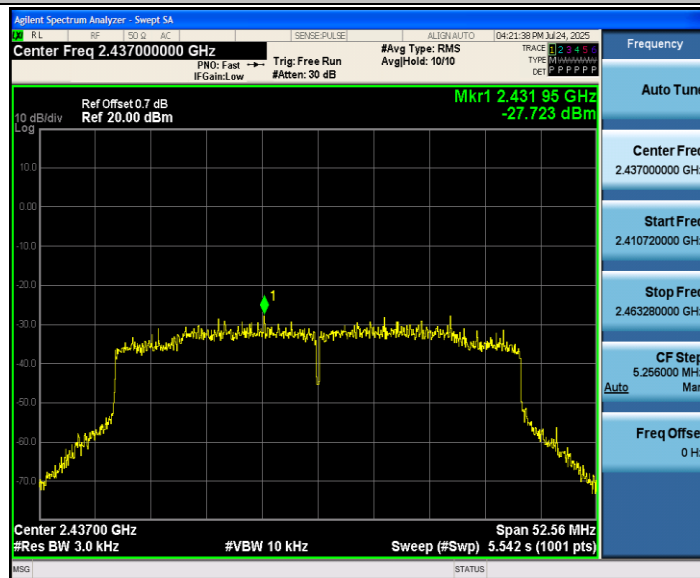
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



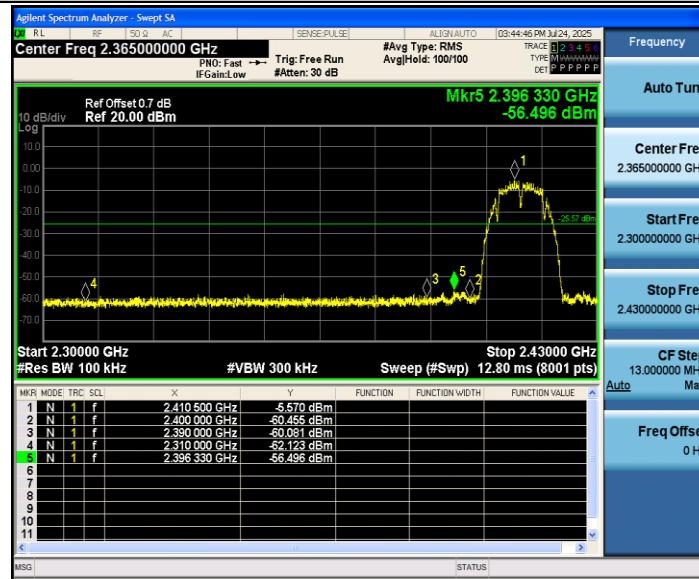
Appendix E: Band edge measurements

Test Result

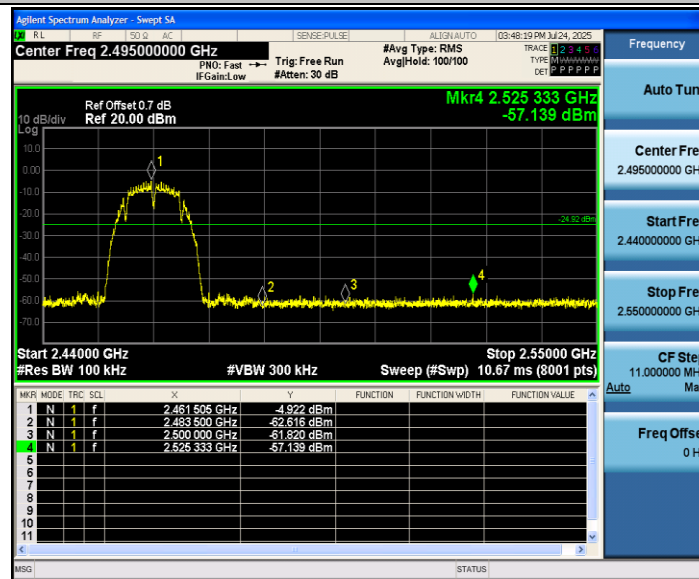
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-5.57	-56.5	≤-25.57	PASS
		High	2462	-4.92	-57.14	≤-24.92	PASS
11G	Ant1	Low	2412	-10.23	-39.95	≤-30.23	PASS
		High	2462	-9.40	-57.57	≤-29.4	PASS
11N20SISO	Ant1	Low	2412	-9.77	-41.08	≤-29.77	PASS
		High	2462	-9.17	-56.54	≤-29.17	PASS
11N40SISO	Ant1	Low	2422	-12.32	-41.22	≤-32.32	PASS
		High	2452	-11.90	-57.33	≤-31.9	PASS
11AX20SISO	Ant1	Low	2412	-9.95	-39.99	≤-29.95	PASS
		High	2462	-9.34	-57.97	≤-29.34	PASS
11AX40SISO	Ant1	Low	2422	-12.64	-42.51	≤-32.64	PASS
		High	2452	-12.52	-56.91	≤-32.52	PASS

Test Graphs

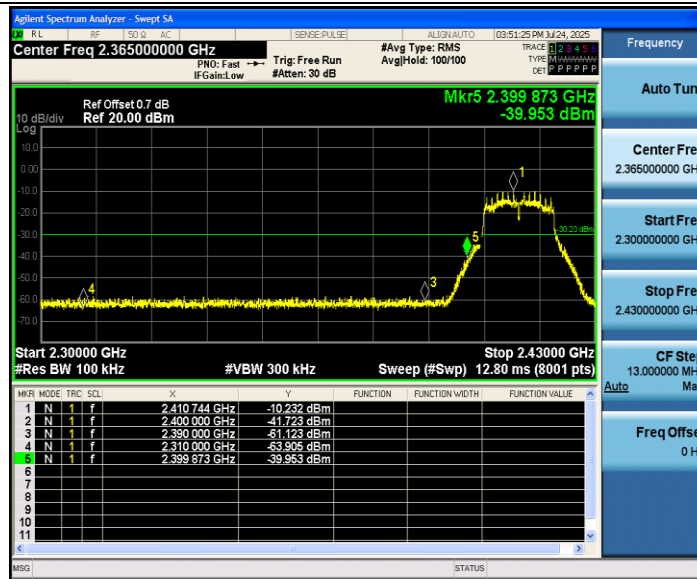
11B_Ant1_Low_2412



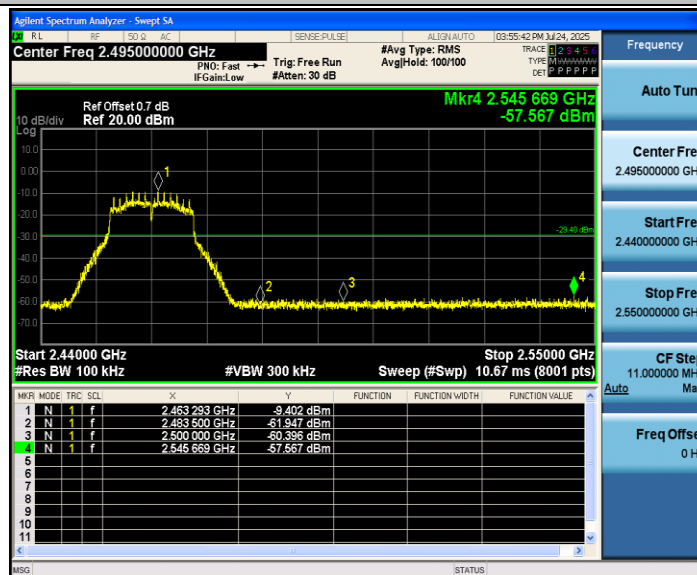
11B_Ant1_High_2462



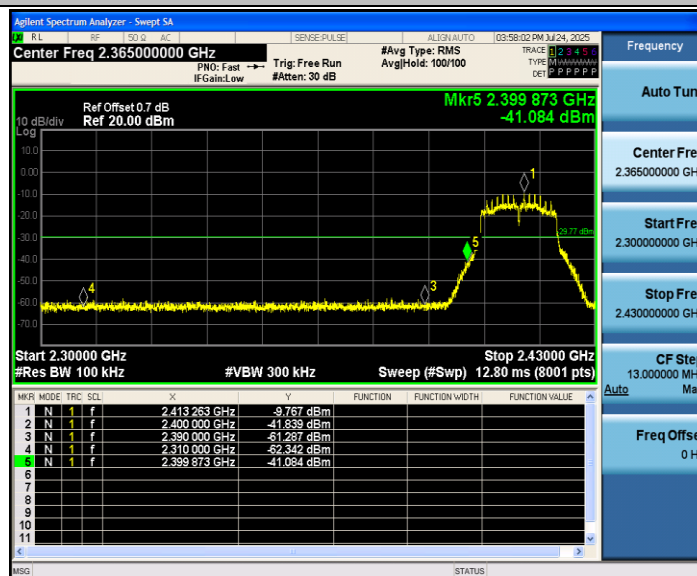
11G_Ant1_Low_2412



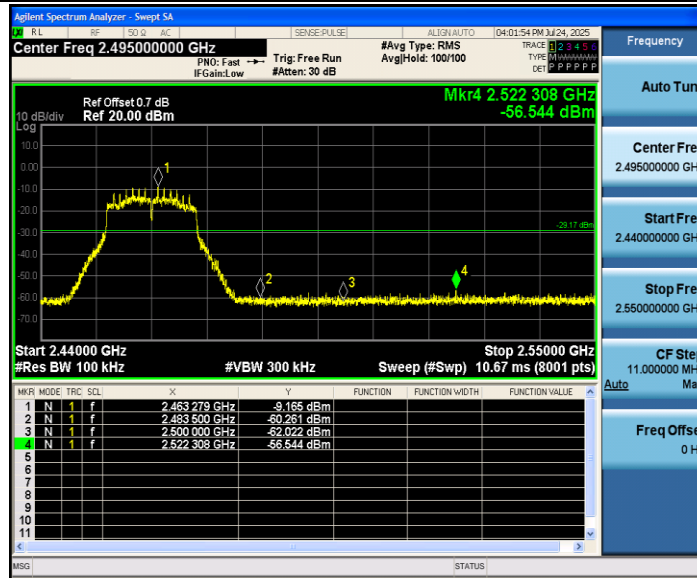
11G_Ant1_High_2462



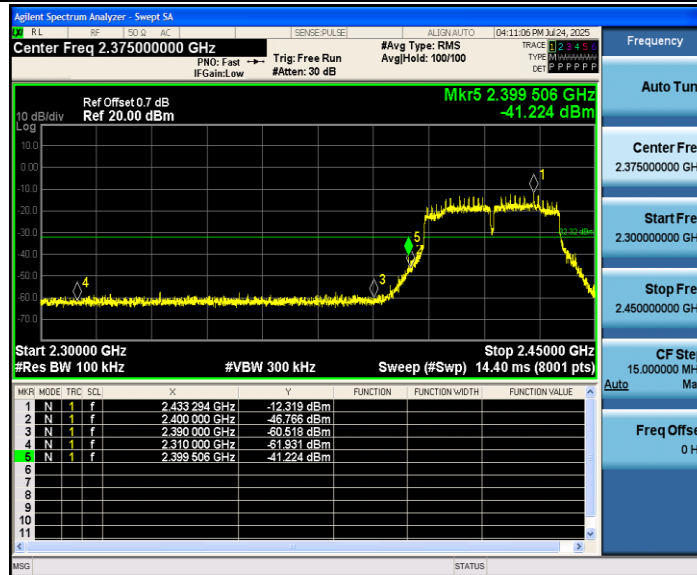
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452