

FCC Appendix RF Test Data

FCC ID : 2A9JD-Q8

Company : Shenzhen Jingyun Wulian Technology CO.,Ltd

EUT : smart glasses

Model Number : Q8

Report No. : CTA25070301802

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	9.000	2408.000	2417.000	0.5	PASS
		2437	9.600	2431.960	2441.560	0.5	PASS
		2462	9.560	2457.480	2467.040	0.5	PASS
11G	Ant1	2412	13.200	2406.960	2420.160	0.5	PASS
		2437	15.800	2428.760	2444.560	0.5	PASS
		2462	15.640	2454.520	2470.160	0.5	PASS
11N20SISO	Ant1	2412	13.120	2406.960	2420.080	0.5	PASS
		2437	16.400	2428.240	2444.640	0.5	PASS
		2462	15.640	2454.440	2470.080	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



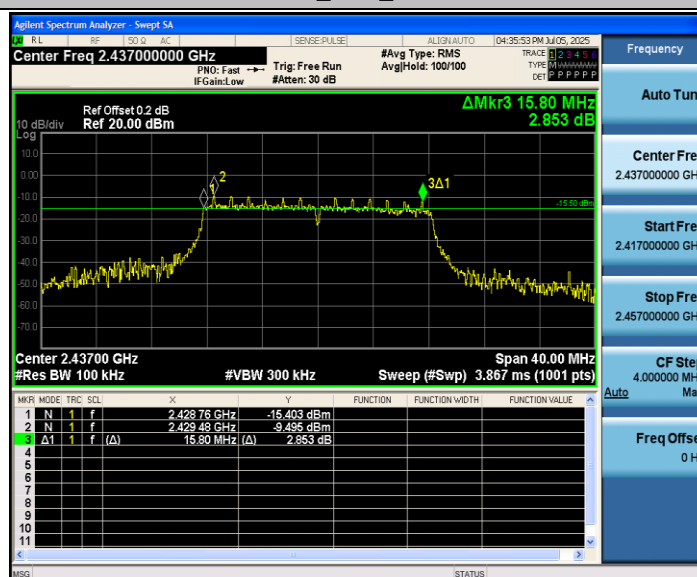
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



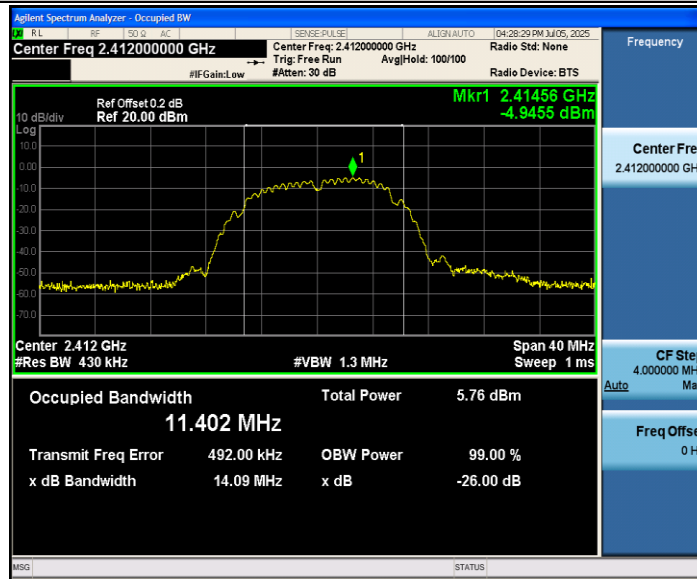
Appendix B: Occupied Channel Bandwidth

Test Result

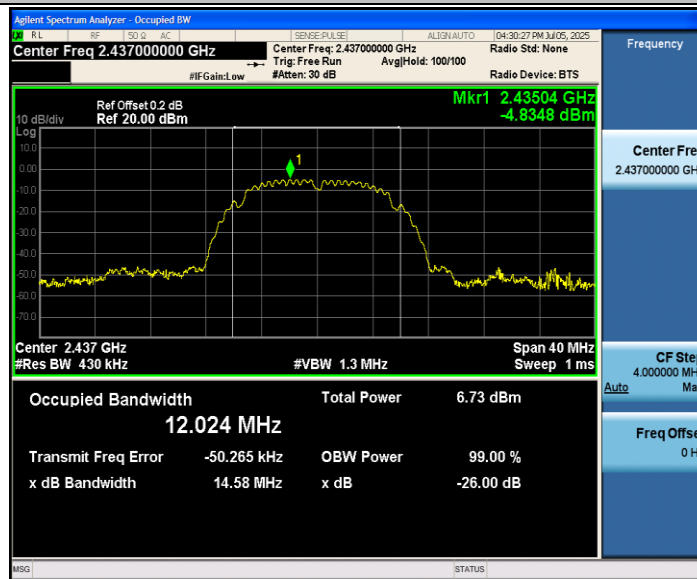
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.402	2406.7910	2418.1930	---	---
		2437	12.024	2430.9377	2442.9617	---	---
		2462	11.616	2456.4995	2468.1155	---	---
11G	Ant1	2412	16.464	2404.0199	2420.4839	---	---
		2437	16.841	2428.4894	2445.3304	---	---
		2462	16.484	2453.9449	2470.4289	---	---
11N20SISO	Ant1	2412	17.452	2403.5345	2420.9865	---	---
		2437	17.803	2428.0202	2445.8232	---	---
		2462	17.509	2453.3944	2470.9034	---	---

Test Graphs

11B_Ant1_2412



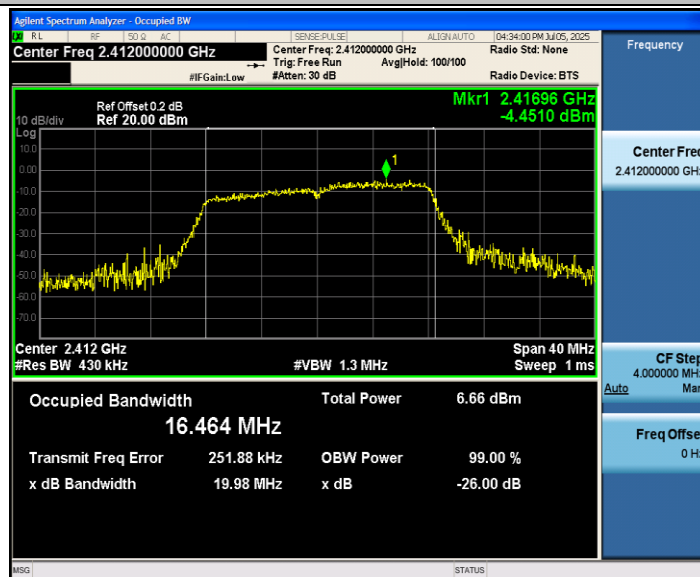
11B_Ant1_2437



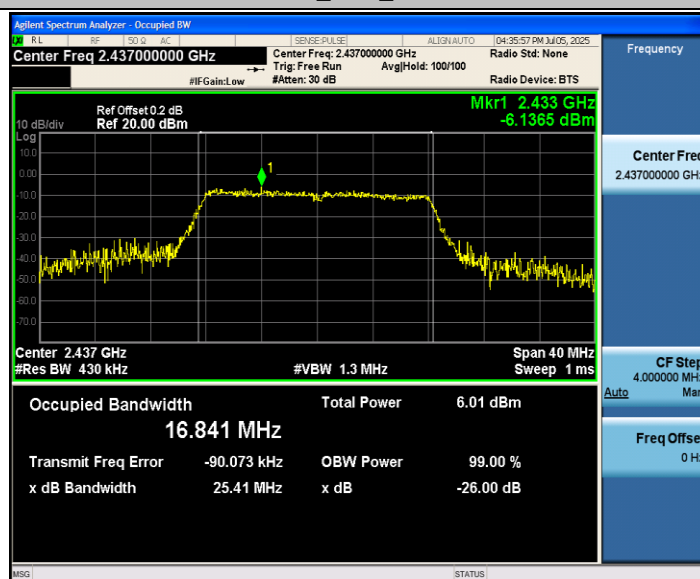
11B_Ant1_2462

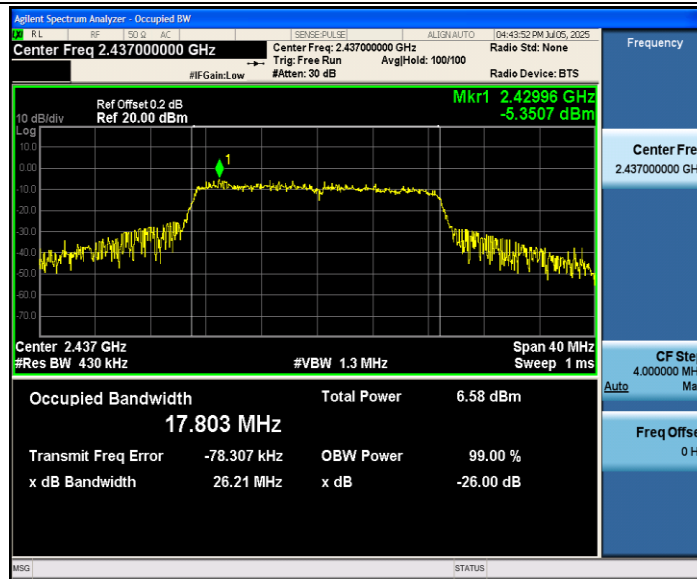


11G_Ant1_2412

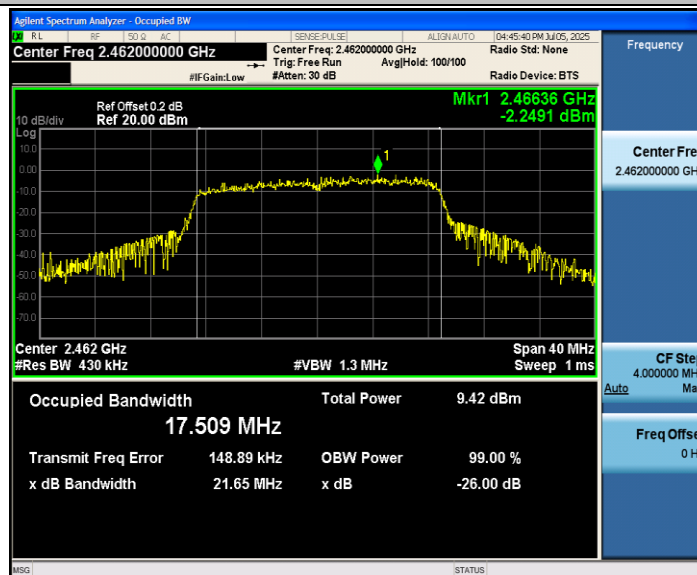


11G_Ant1_2437





11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	7.61	≤30.00	PASS
		2437	6.66	≤30.00	PASS
		2462	7.94	≤30.00	PASS
11G	Ant1	2412	7.04	≤30.00	PASS
		2437	6.73	≤30.00	PASS
		2462	7.36	≤30.00	PASS
11N20SISO	Ant1	2412	7.31	≤30.00	PASS
		2437	7.02	≤30.00	PASS
		2462	7.01	≤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	-17.70	≤8.00	PASS
		2437	-18.52	≤8.00	PASS
		2462	-18.48	≤8.00	PASS
11G	Ant1	2412	-23.13	≤8.00	PASS
		2437	-25.30	≤8.00	PASS
		2462	-21.10	≤8.00	PASS
11N20SISO	Ant1	2412	-23.54	≤8.00	PASS
		2437	-24.07	≤8.00	PASS
		2462	-20.65	≤8.00	PASS

Test Graphs

11B_Ant1_2412



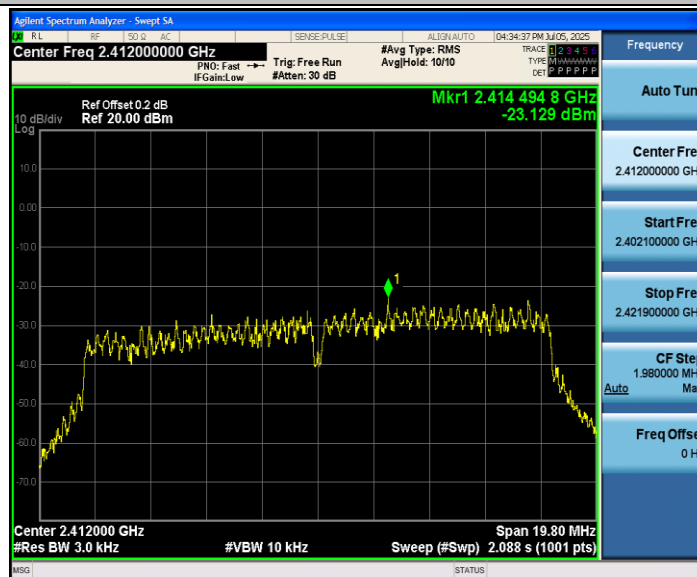
11B_Ant1_2437



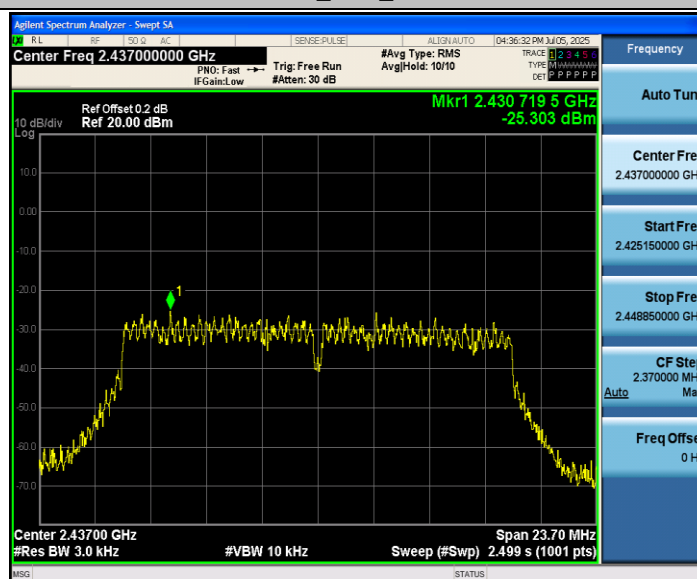
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



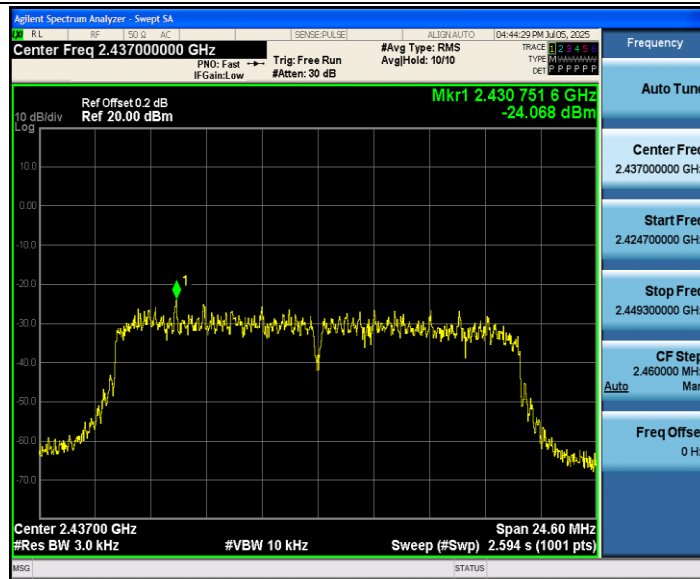
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



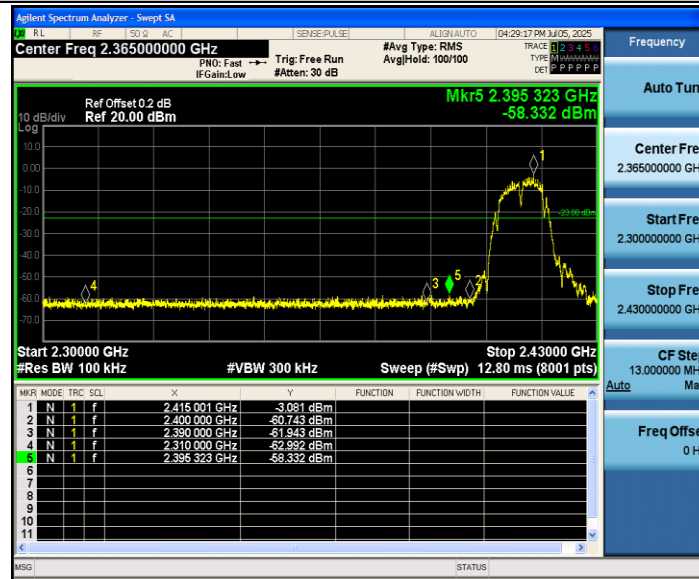
Appendix E: Band edge measurements

Test Result

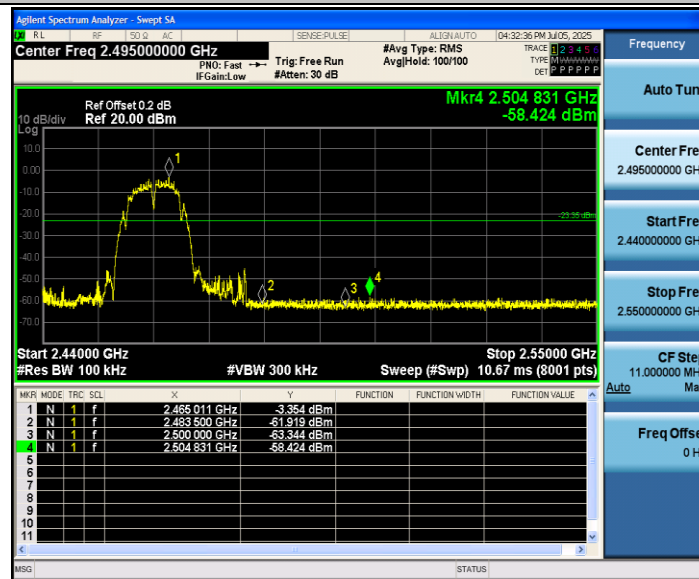
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.08	-58.33	≤-23.08	PASS
		High	2462	-3.35	-58.42	≤-23.35	PASS
11G	Ant1	Low	2412	-7.68	-47.97	≤-27.68	PASS
		High	2462	-5.89	-55.01	≤-25.89	PASS
11N20SISO	Ant1	Low	2412	-7.23	-47.46	≤-27.23	PASS
		High	2462	-5.66	-54.59	≤-25.66	PASS

Test Graphs

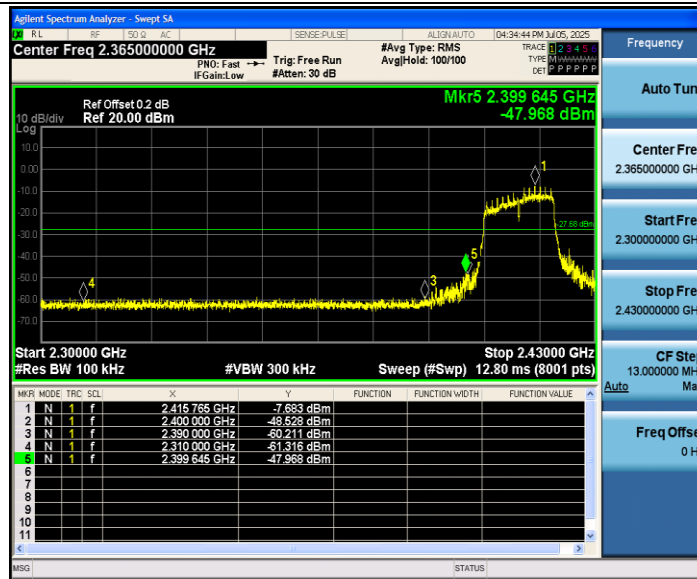
11B_Ant1_Low_2412



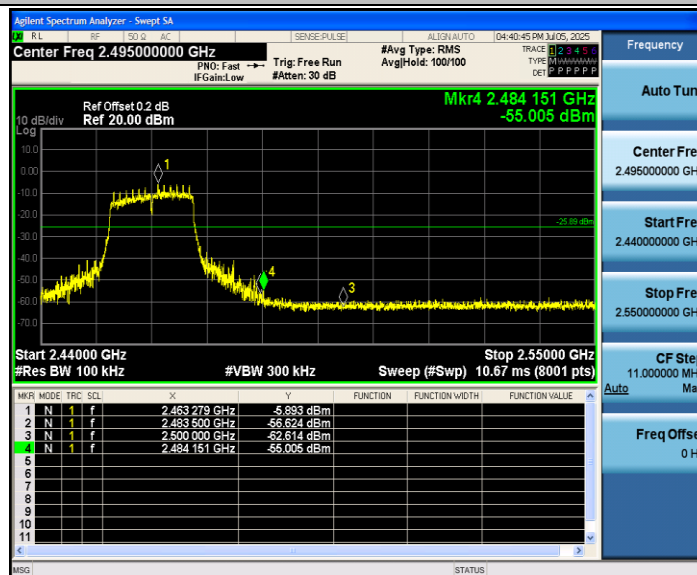
11B_Ant1_High_2462



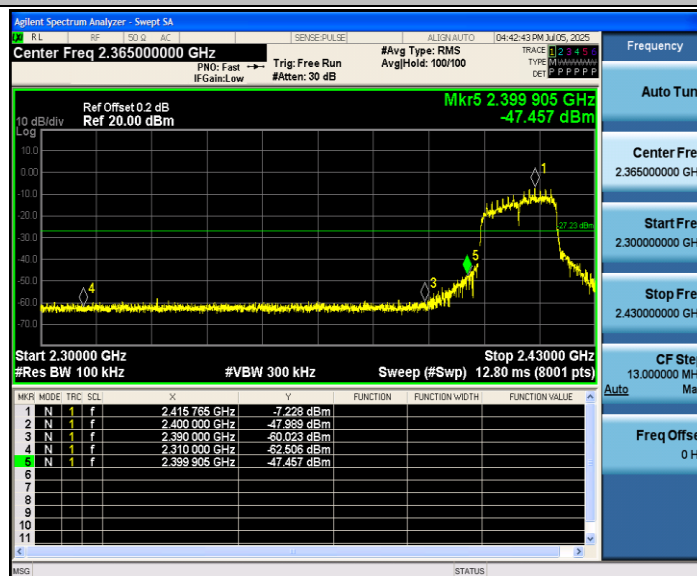
11G_Ant1_Low_2412



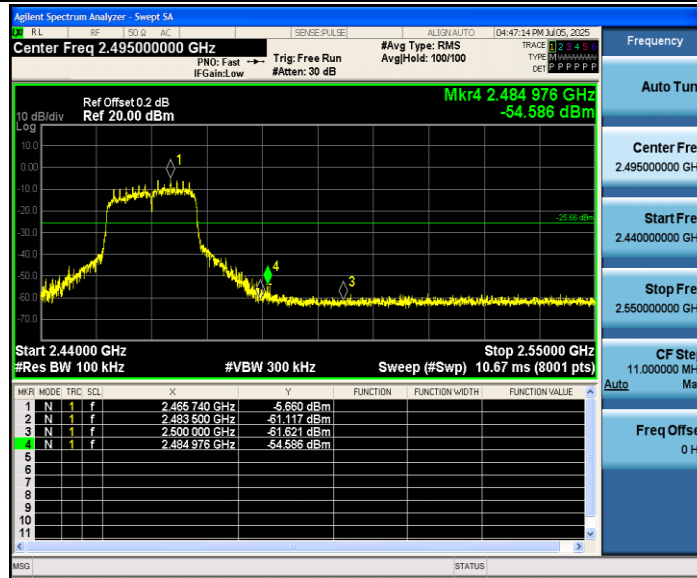
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

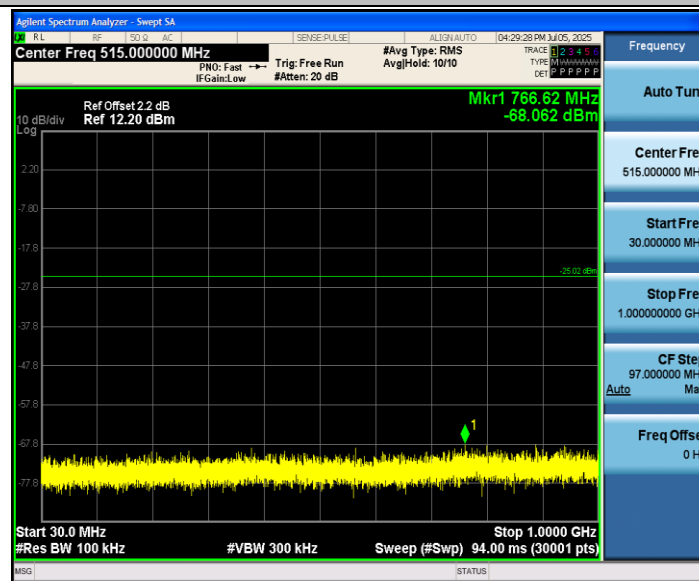
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-5.02	-5.02	---	PASS
			30~1000	-5.02	-68.06	≤-25.02	PASS
			1000~26500	-5.02	-47.71	≤-25.02	PASS
		2437	Reference	-6.31	-6.31	---	PASS
			30~1000	-6.31	-67.77	≤-26.31	PASS
			1000~26500	-6.31	-50.8	≤-26.31	PASS
		2462	Reference	-5.23	-5.23	---	PASS
			30~1000	-5.23	-66.5	≤-25.23	PASS
			1000~26500	-5.23	-47.88	≤-25.23	PASS
11G	Ant1	2412	Reference	-8.53	-8.53	---	PASS
			30~1000	-8.53	-67.88	≤-28.53	PASS
			1000~26500	-8.53	-49.84	≤-28.53	PASS
		2437	Reference	-9.64	-9.64	---	PASS
			30~1000	-9.64	-67.17	≤-29.64	PASS
			1000~26500	-9.64	-47.09	≤-29.64	PASS
		2462	Reference	-6.16	-6.16	---	PASS
			30~1000	-6.16	-67.8	≤-26.16	PASS
			1000~26500	-6.16	-44.28	≤-26.16	PASS
11N20SISO	Ant1	2412	Reference	-7.88	-7.88	---	PASS
			30~1000	-7.88	-67.73	≤-27.88	PASS
			1000~26500	-7.88	-51.23	≤-27.88	PASS
		2437	Reference	-8.79	-8.79	---	PASS
			30~1000	-8.79	-68.05	≤-28.79	PASS
			1000~26500	-8.79	-54.91	≤-28.79	PASS
		2462	Reference	-6.38	-6.38	---	PASS
			30~1000	-6.38	-67.85	≤-26.38	PASS
			1000~26500	-6.38	-49.77	≤-26.38	PASS

Test Graphs

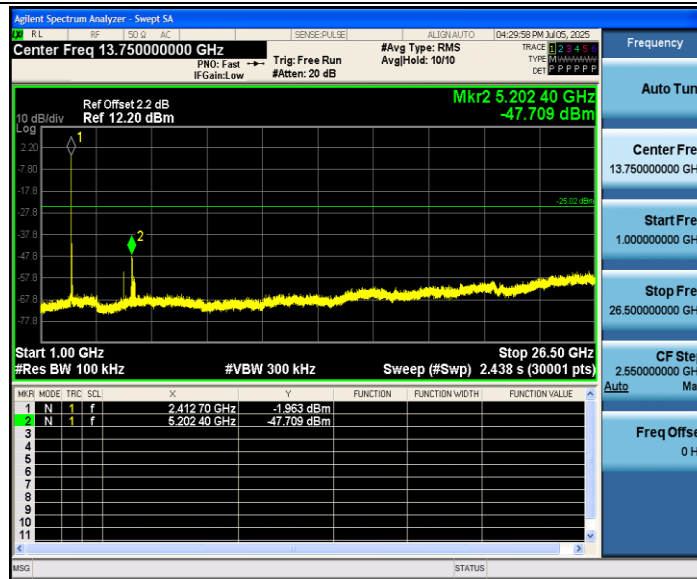
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



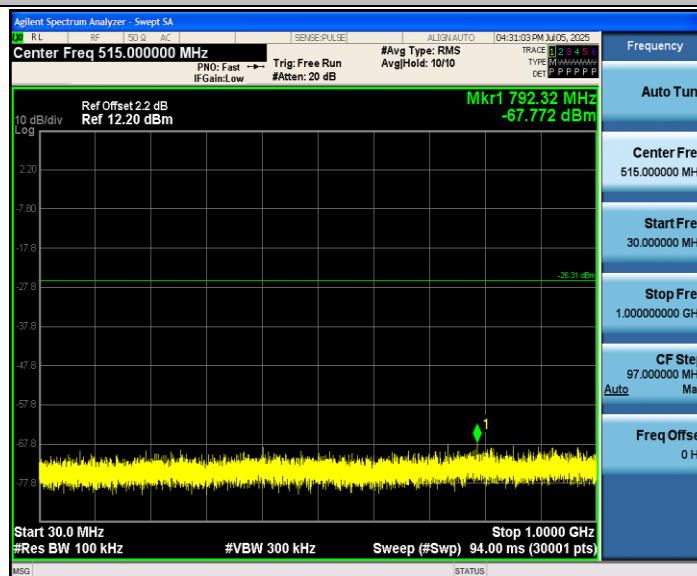
11B_Ant1_2412_1000~26500



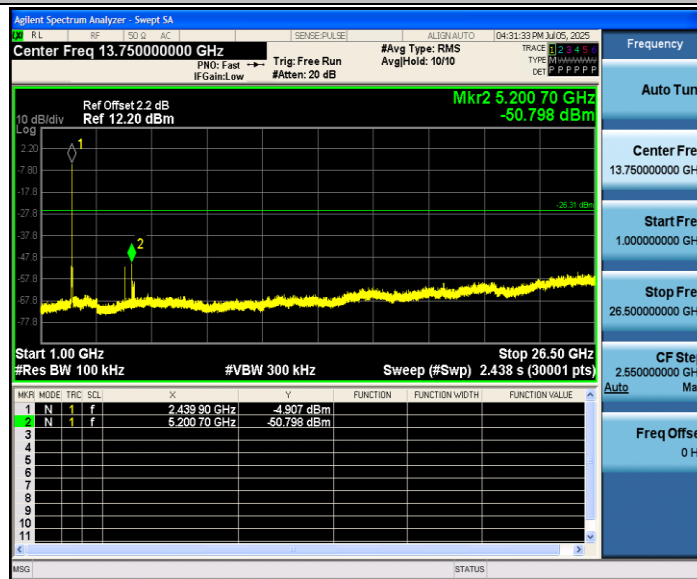
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



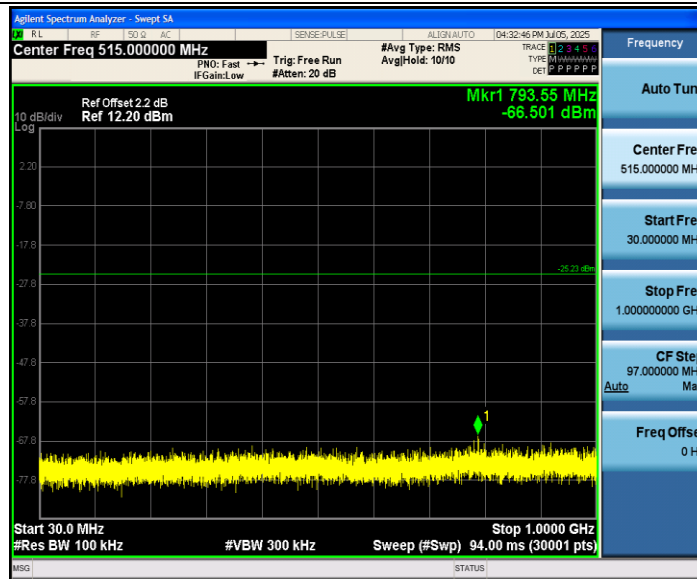
11B_Ant1_2437_1000~26500



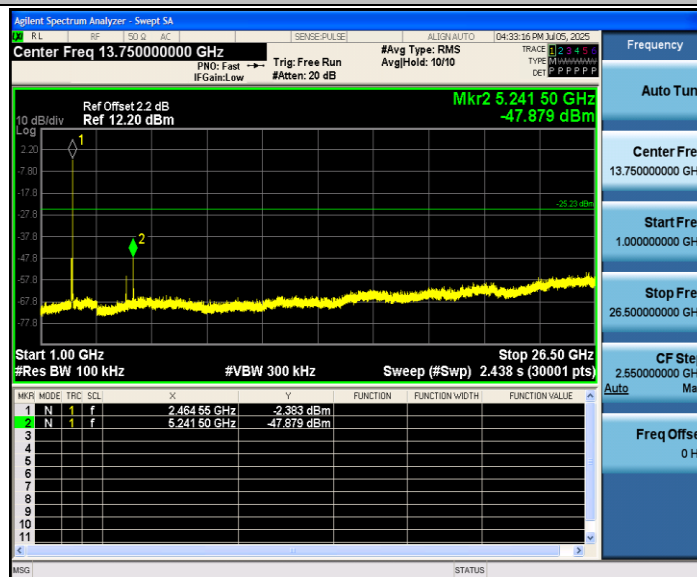
11B_Ant1_2462_0~Reference



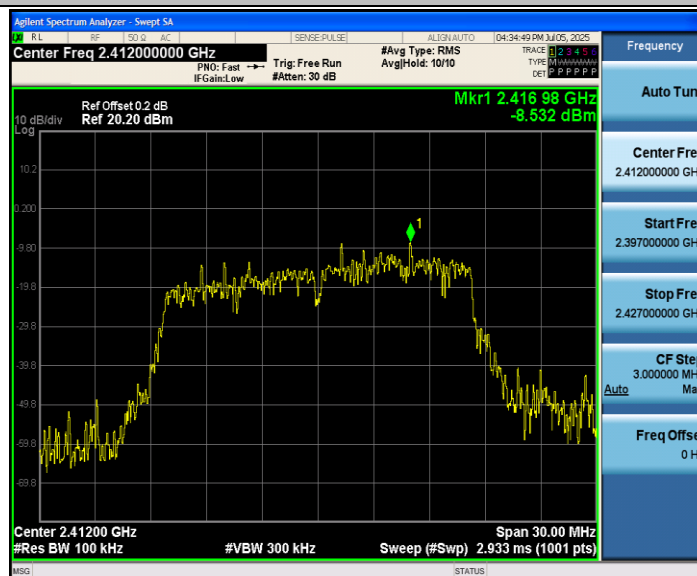
11B_Ant1_2462_30~1000



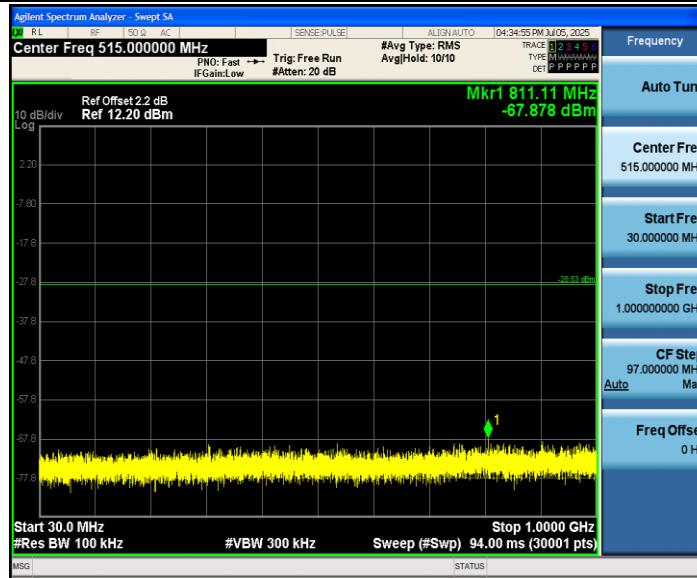
11B_Ant1_2462_1000~26500



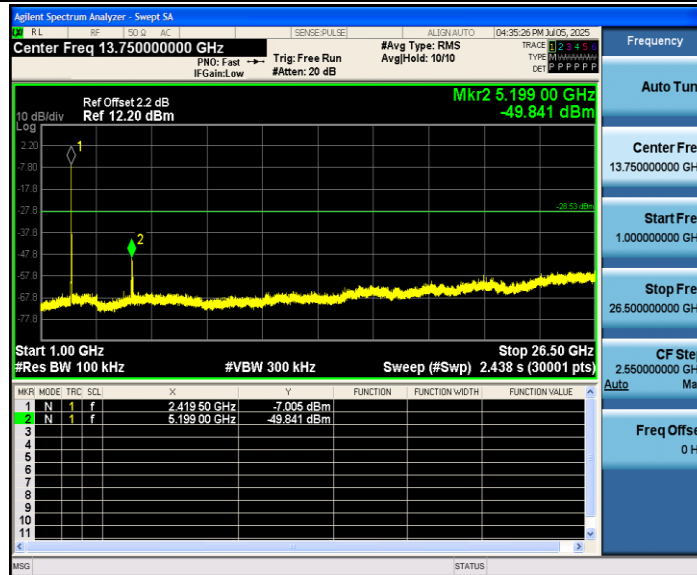
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



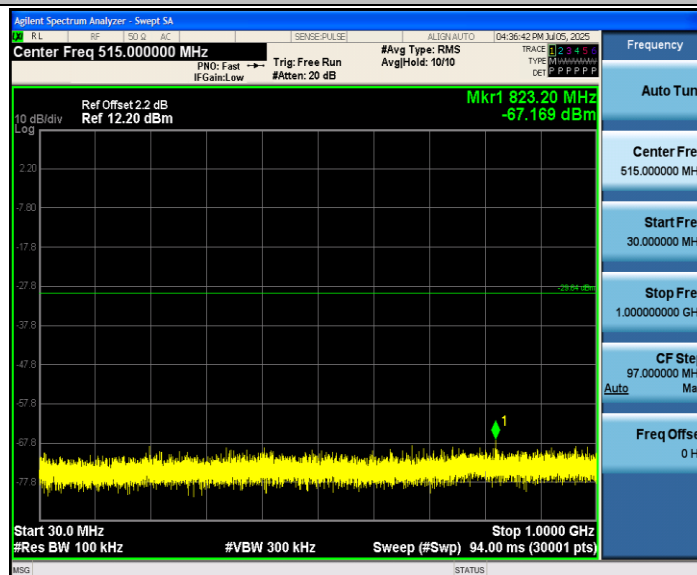
11G_Ant1_2412_1000~26500



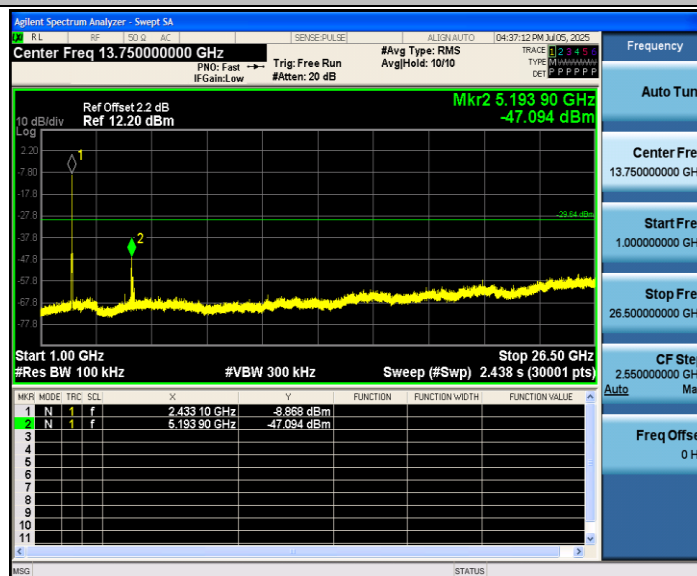
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



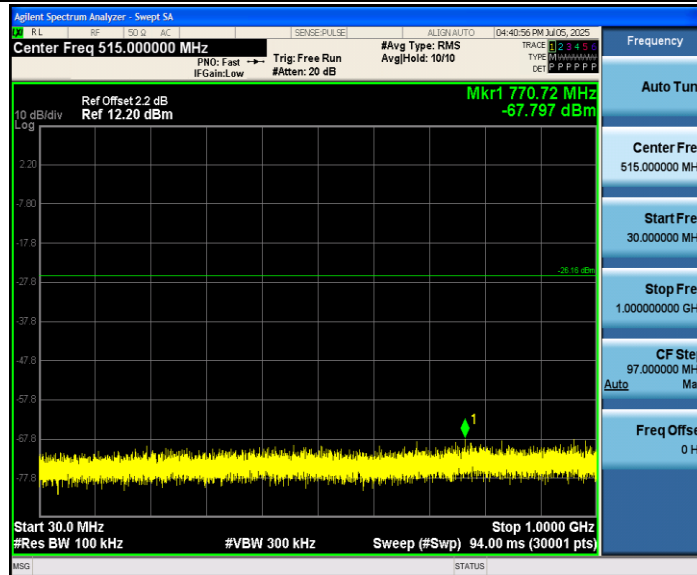
11G_Ant1_2437_1000~26500



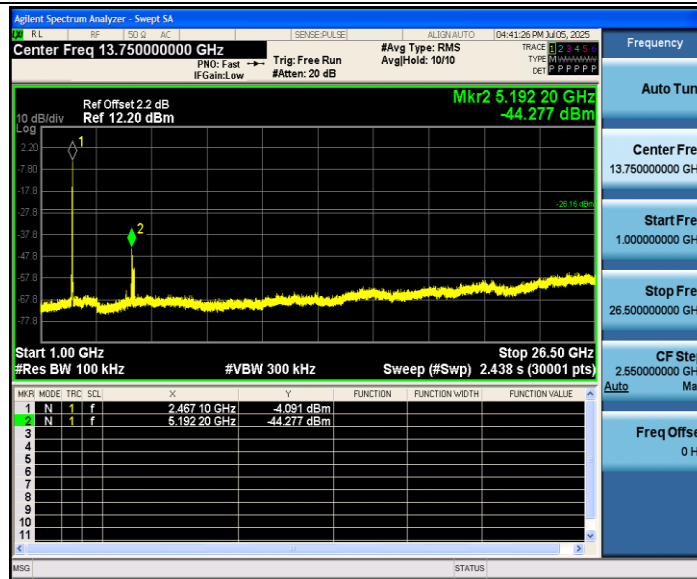
11G_Ant1_2462_0~Reference



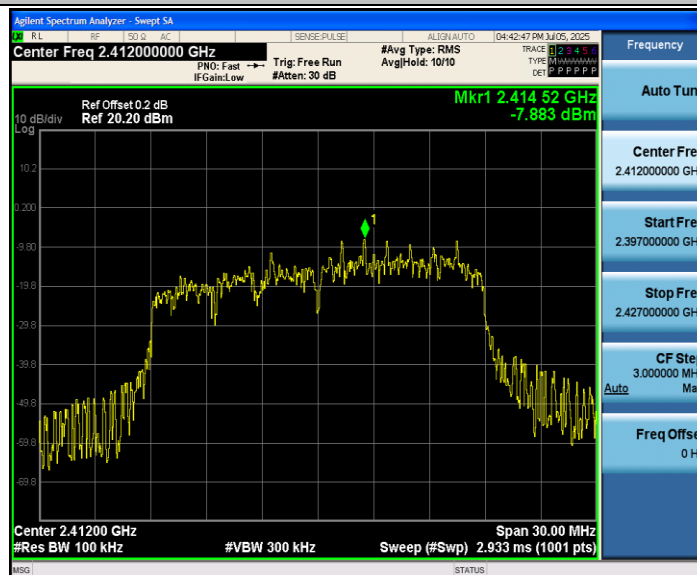
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

