

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AXCX-NT710

Company : Shenzhen Foxwell Technology Co., Ltd

EUT : Multi-System Tablet Scanner

Model Number : NT710

Report No. : CTA25091901603

Reviewed By : Eric Wang

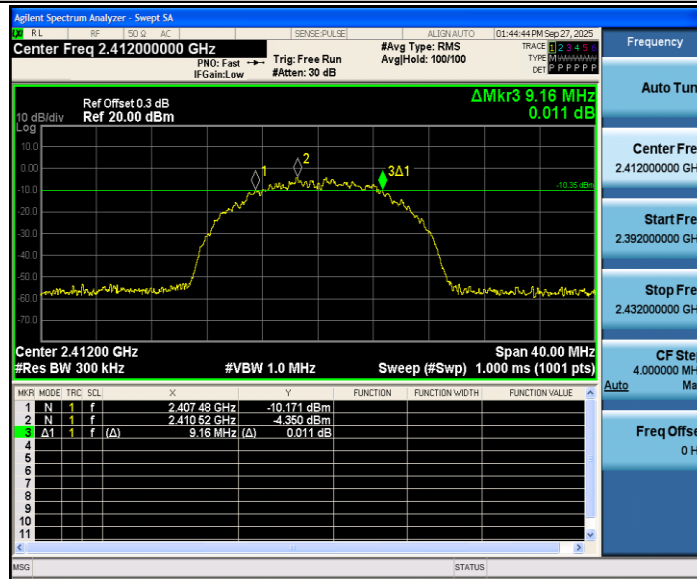
Appendix A: DTS Bandwidth

Test Result

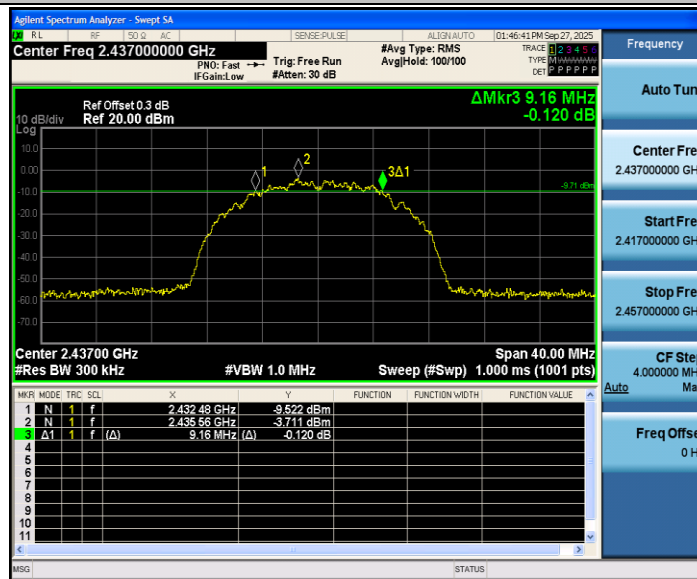
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.160	2407.480	2416.640	0.5	PASS
		2437	9.160	2432.480	2441.640	0.5	PASS
		2462	8.320	2458.040	2466.360	0.5	PASS
11G	Ant1	2412	16.280	2403.920	2420.200	0.5	PASS
		2437	16.280	2428.920	2445.200	0.5	PASS
		2462	16.280	2453.880	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.240	2403.440	2420.680	0.5	PASS
		2437	17.080	2428.520	2445.600	0.5	PASS
		2462	17.320	2453.320	2470.640	0.5	PASS
11N40SISO	Ant1	2422	33.760	2405.440	2439.200	0.5	PASS
		2437	34.320	2420.040	2454.360	0.5	PASS
		2452	33.680	2435.280	2468.960	0.5	PASS

Test Graphs

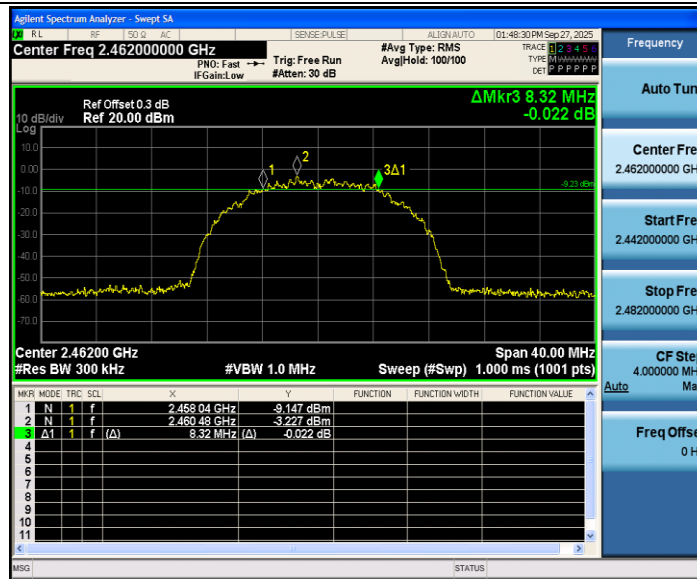
11B_Ant1_2412



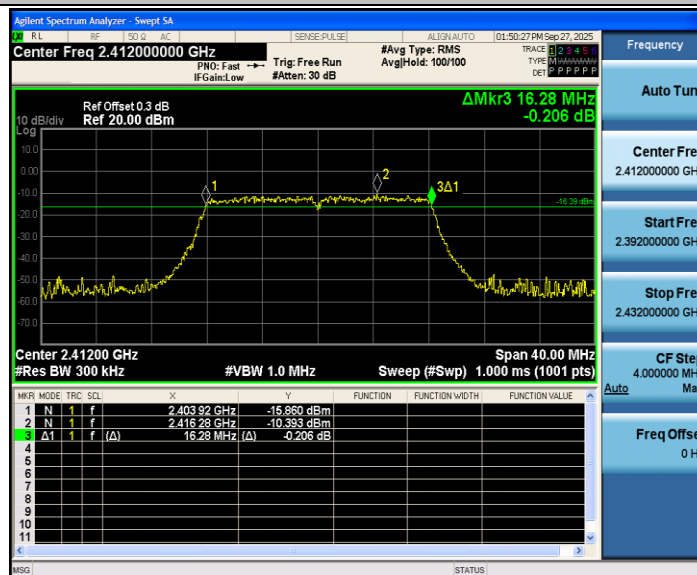
11B_Ant1_2437



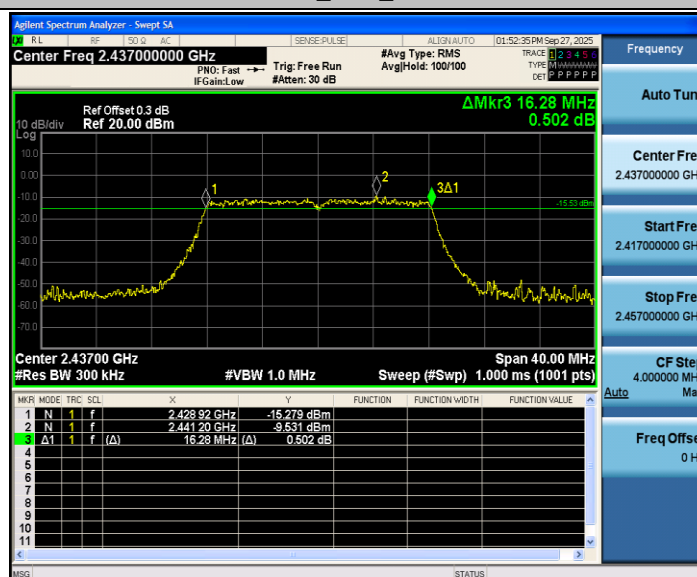
11B_Ant1_2462



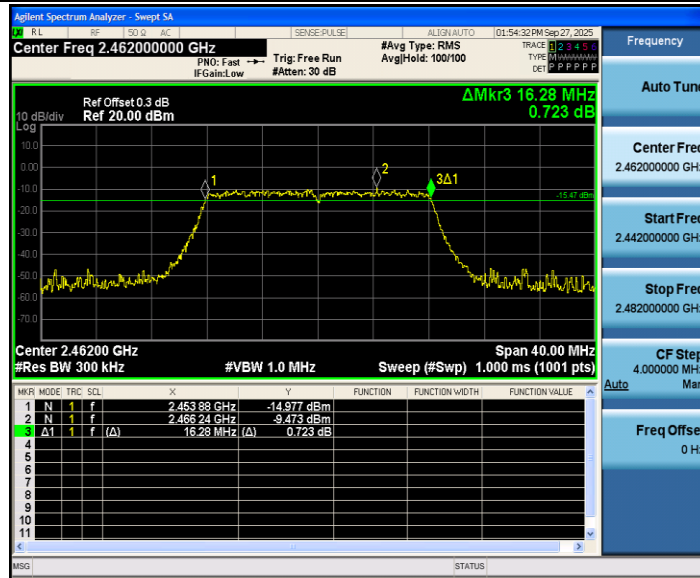
11G_Ant1_2412



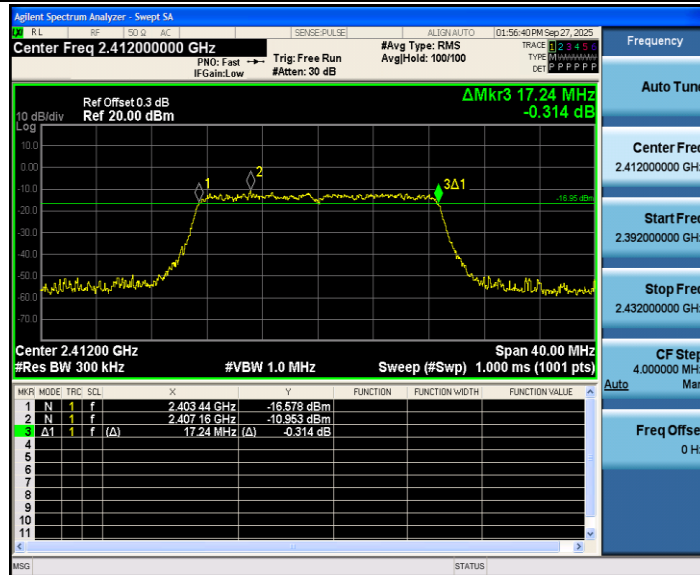
11G_Ant1_2437



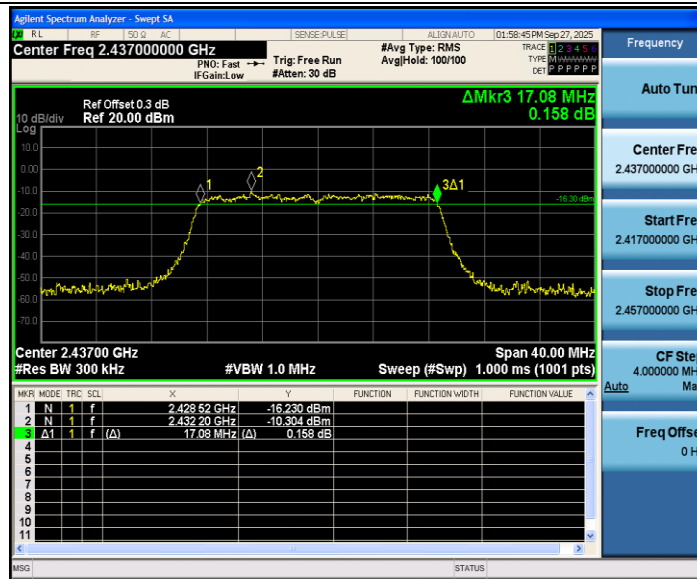
11G_Ant1_2462



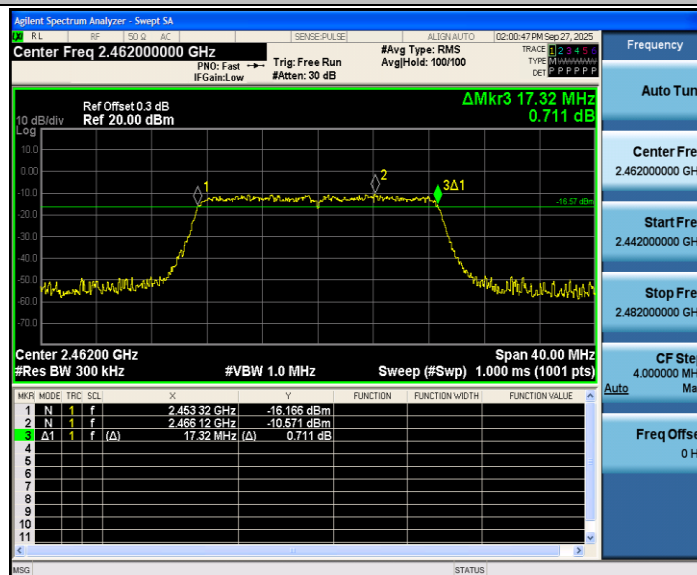
11N20SISO_Ant1_2412



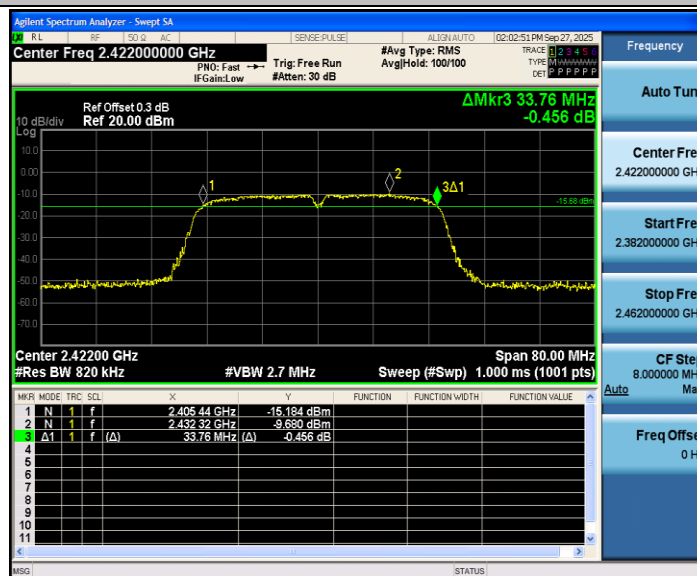
11N20SISO_Ant1_2437



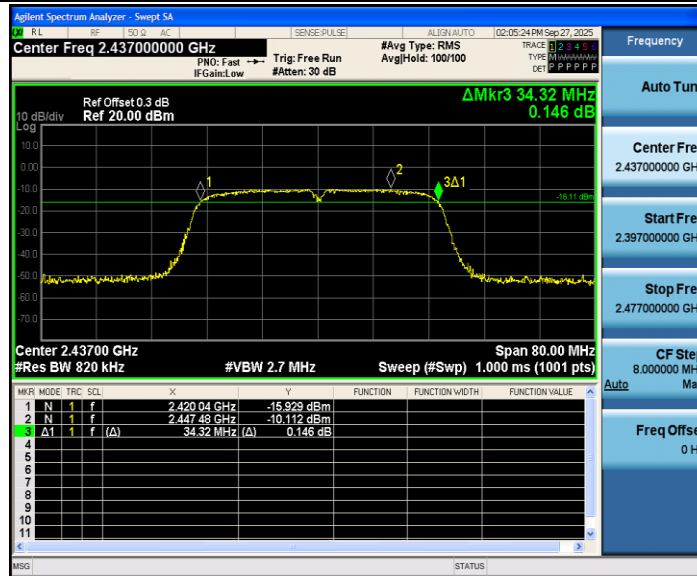
11N20SISO_Ant1_2462



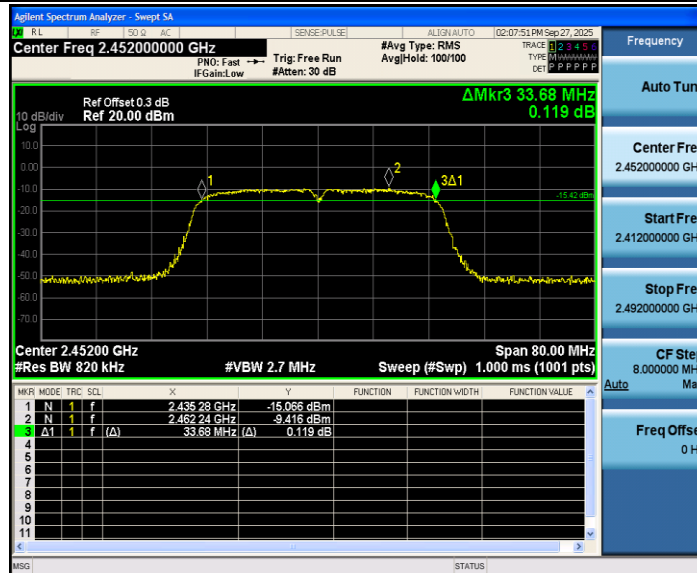
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



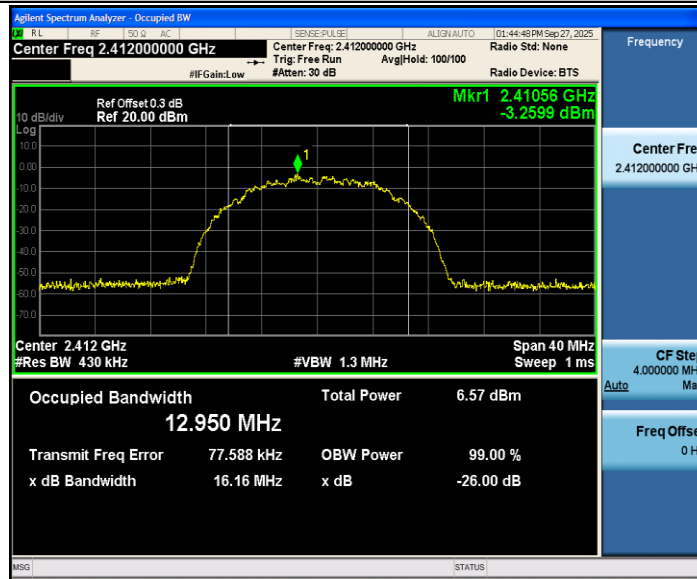
Appendix B: Occupied Channel Bandwidth

Test Result

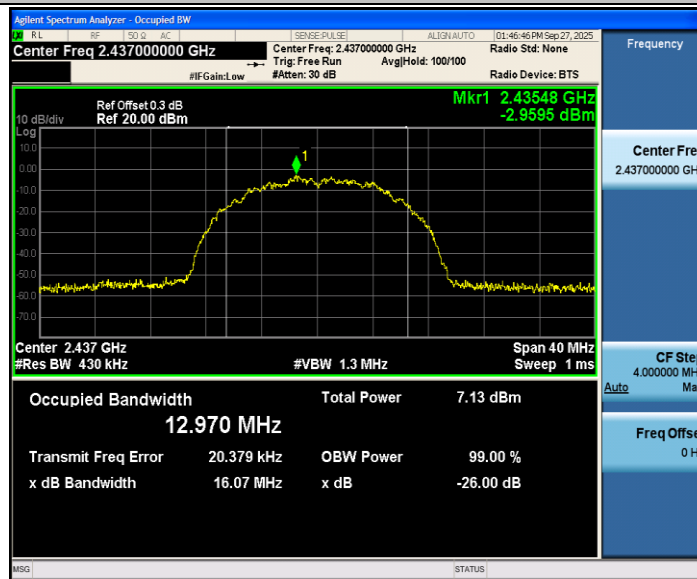
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.950	2405.6026	2418.5526	---	---
		2437	12.970	2430.5354	2443.5054	---	---
		2462	13.006	2455.5296	2468.5356	---	---
11G	Ant1	2412	16.585	2403.7537	2420.3387	---	---
		2437	16.608	2428.7379	2445.3459	---	---
		2462	16.565	2453.7393	2470.3043	---	---
11N20SISO	Ant1	2412	17.447	2403.3216	2420.7686	---	---
		2437	17.451	2428.3164	2445.7674	---	---
		2462	17.438	2453.3267	2470.7647	---	---
11N40SISO	Ant1	2422	34.819	2404.7693	2439.5883	---	---
		2437	34.830	2419.7079	2454.5379	---	---
		2452	34.873	2434.6628	2469.5358	---	---

Test Graphs

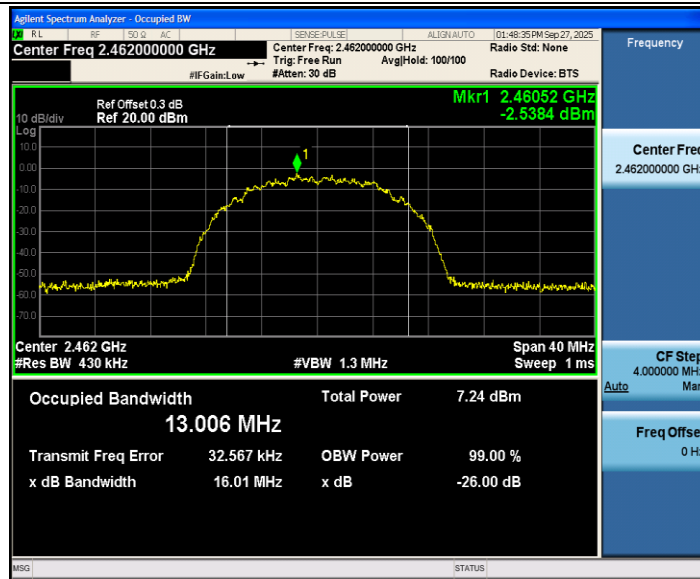
11B_Ant1_2412



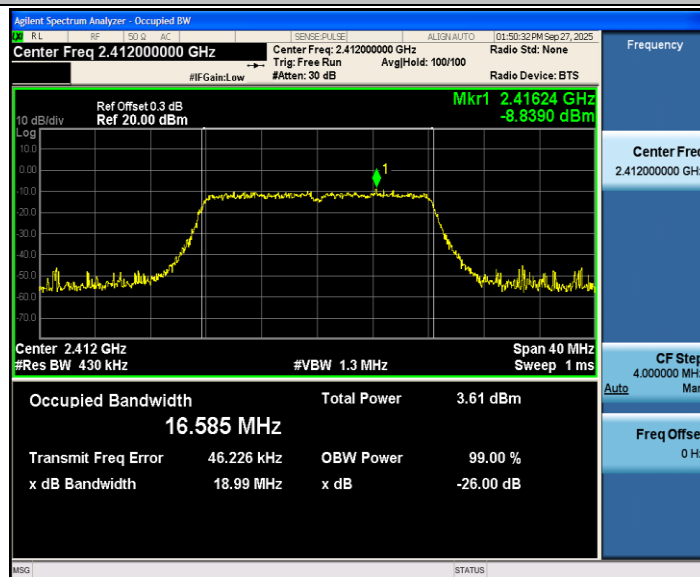
11B_Ant1_2437



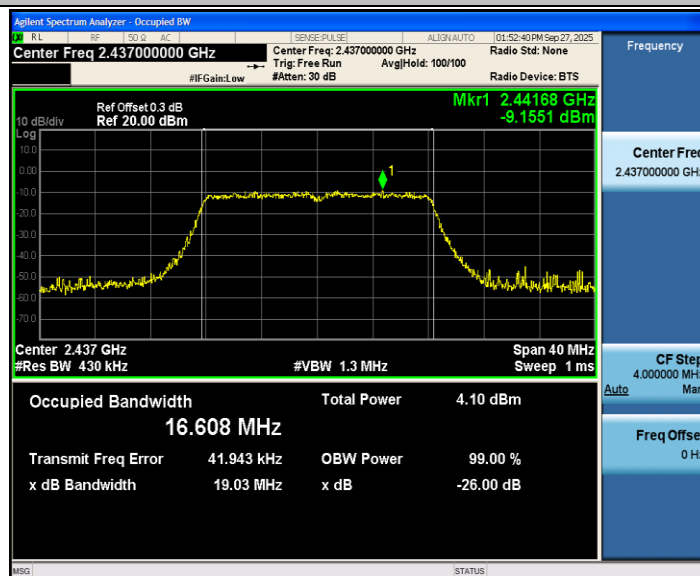
11B_Ant1_2462



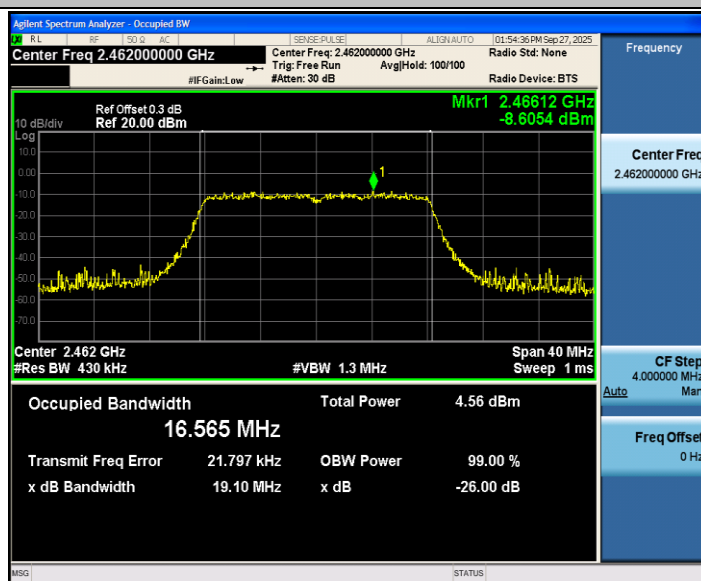
11G_Ant1_2412



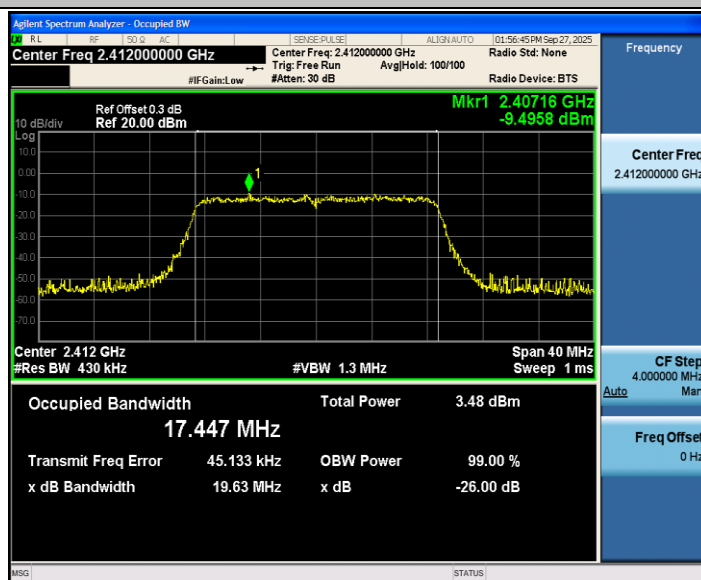
11G_Ant1_2437



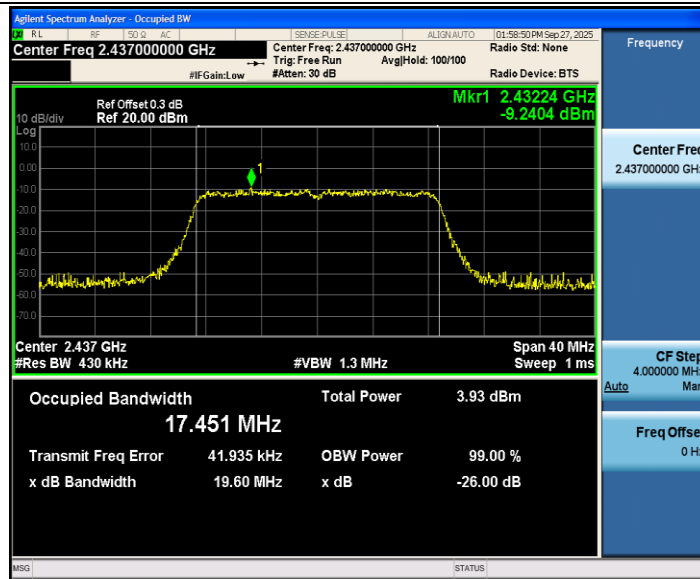
11G_Ant1_2462



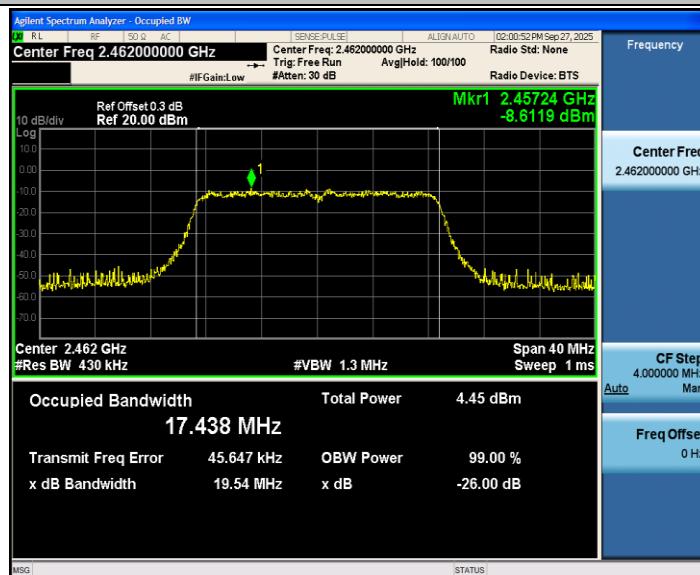
11N20SISO_Ant1_2412



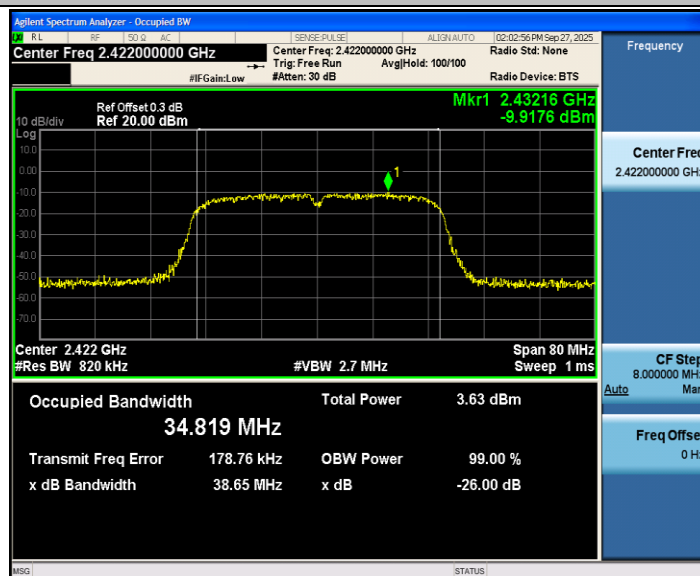
11N20SISO_Ant1_2437



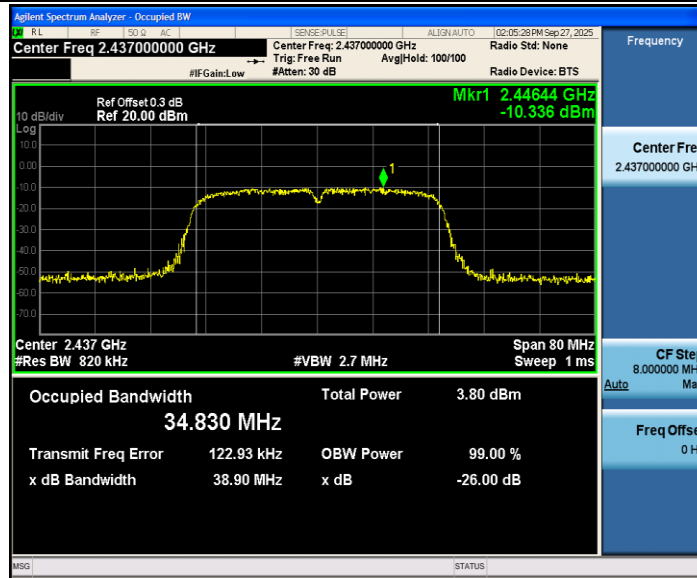
11N20SISO_Ant1_2462



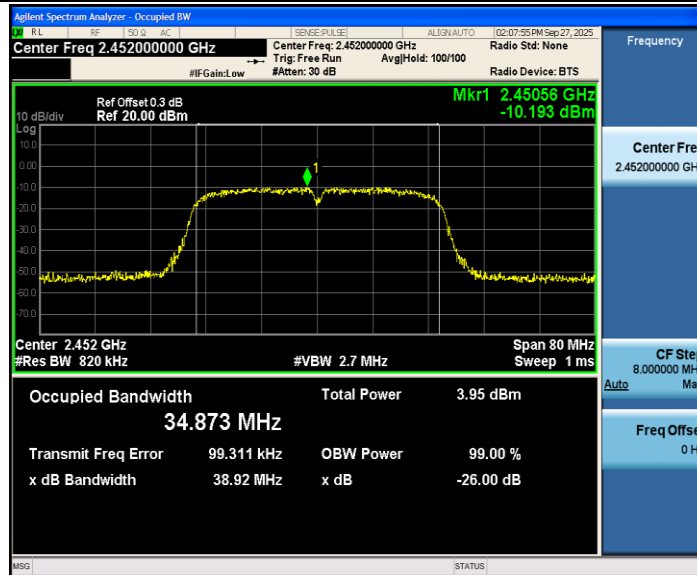
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	6.13	≤30.00	PASS
		2437	6.77	≤30.00	PASS
		2462	6.51	≤30.00	PASS
11G	Ant1	2412	4.41	≤30.00	PASS
		2437	5.03	≤30.00	PASS
		2462	5.31	≤30.00	PASS
11N20SISO	Ant1	2412	4.61	≤30.00	PASS
		2437	5.19	≤30.00	PASS
		2462	5.53	≤30.00	PASS
11N40SISO	Ant1	2422	4.00	≤30.00	PASS
		2437	4.11	≤30.00	PASS
		2452	4.26	≤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	-22.83	≤8.00	PASS
		2437	-22.10	≤8.00	PASS
		2462	-22.66	≤8.00	PASS
11G	Ant1	2412	-30.03	≤8.00	PASS
		2437	-29.38	≤8.00	PASS
		2462	-29.23	≤8.00	PASS
11N20SISO	Ant1	2412	-29.59	≤8.00	PASS
		2437	-29.07	≤8.00	PASS
		2462	-28.73	≤8.00	PASS
11N40SISO	Ant1	2422	-30.92	≤8.00	PASS
		2437	-30.57	≤8.00	PASS
		2452	-30.71	≤8.00	PASS

Test Graphs

11B_Ant1_2412



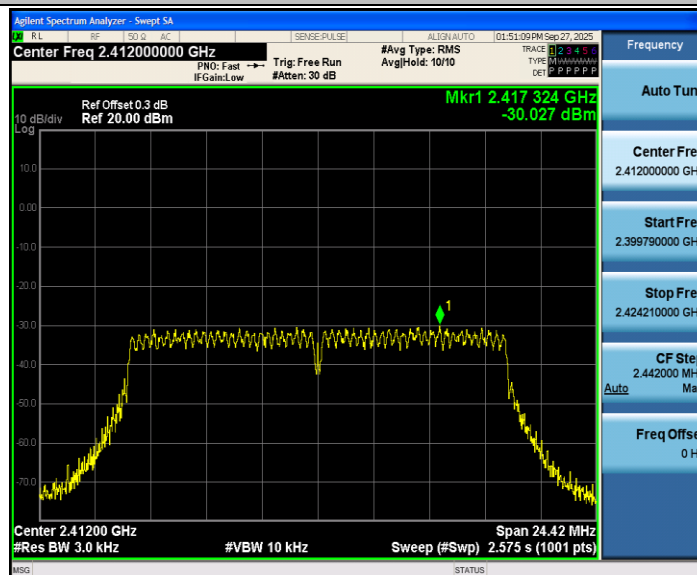
11B_Ant1_2437



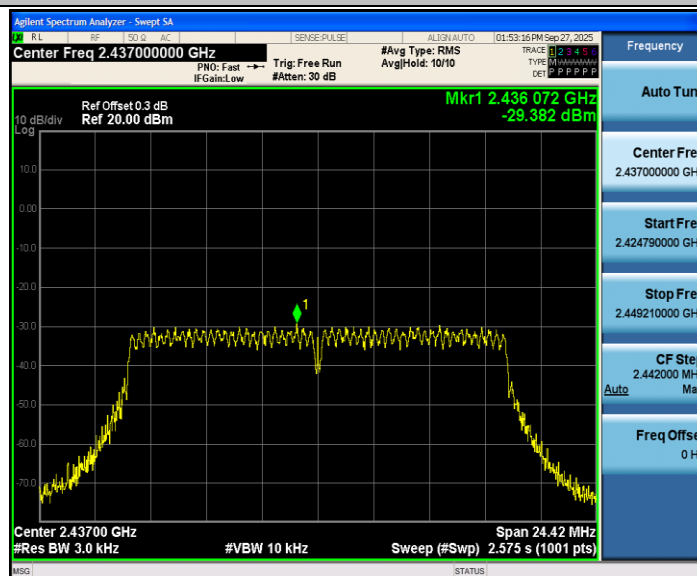
11B_Ant1_2462



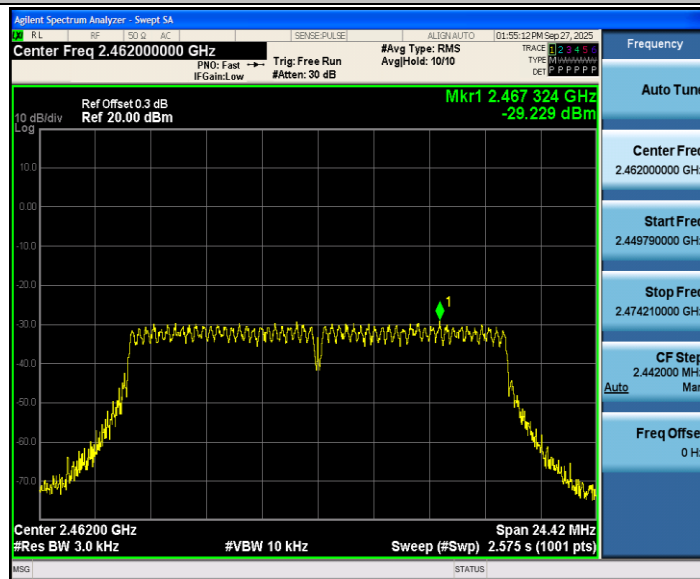
11G_Ant1_2412



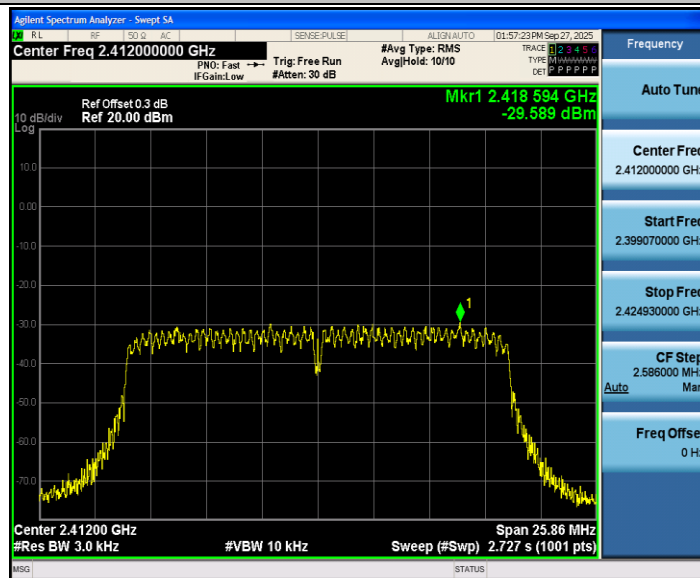
11G_Ant1_2437



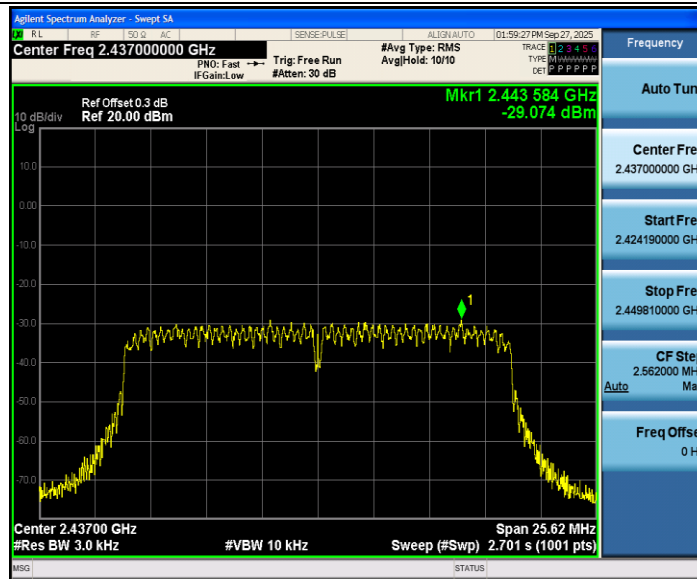
11G_Ant1_2462



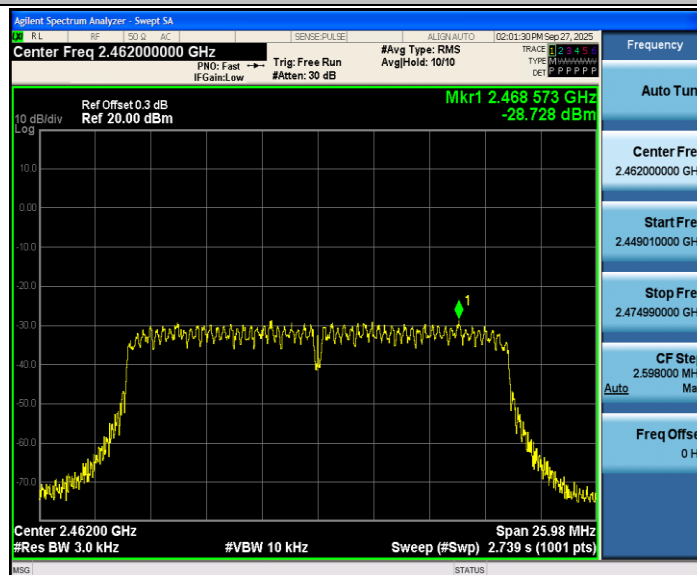
11N20SISO_Ant1_2412



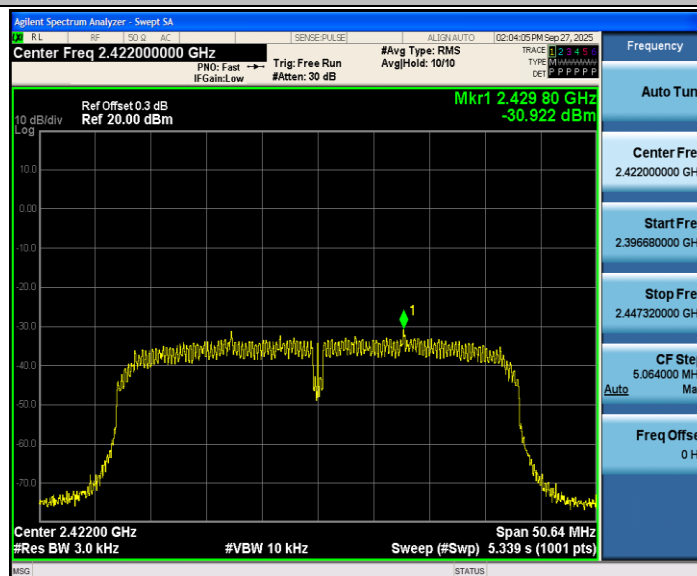
11N20SISO_Ant1_2437



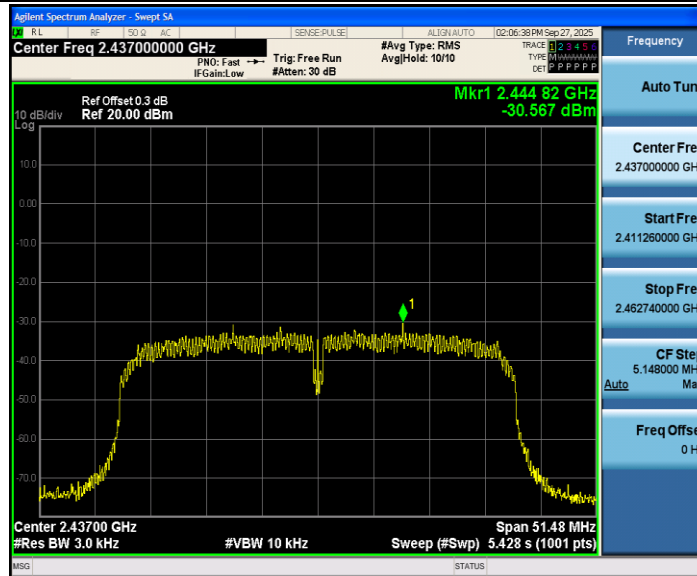
11N20SISO_Ant1_2462



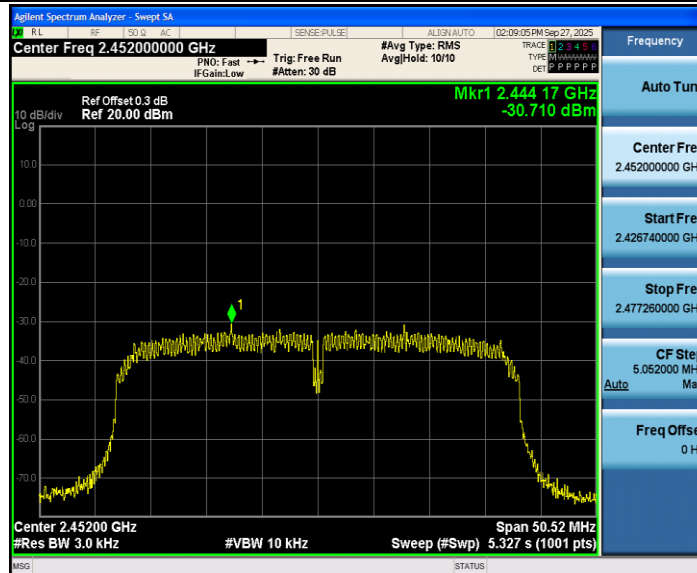
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



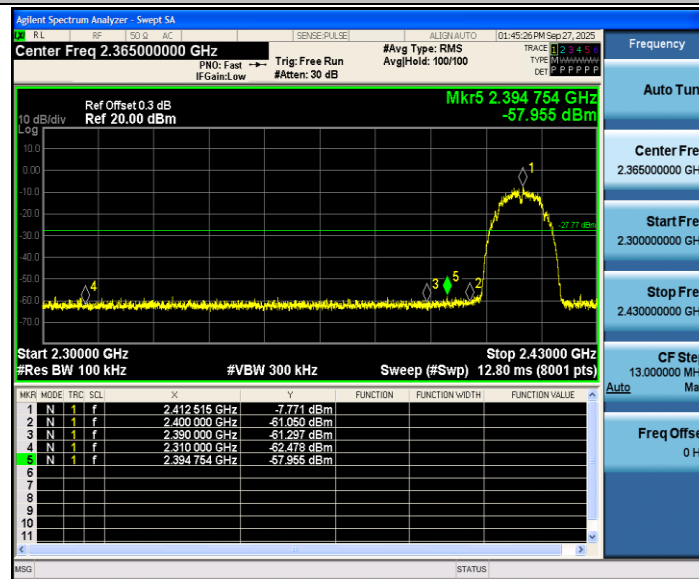
Appendix E: Band edge measurements

Test Result

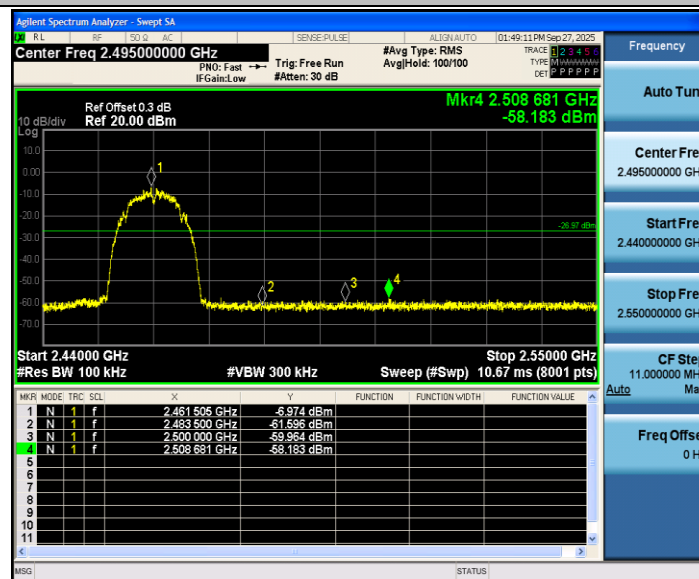
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-7.77	-57.96	≤-27.77	PASS
		High	2462	-6.97	-58.18	≤-26.97	PASS
11G	Ant1	Low	2412	-15.75	-54.56	≤-35.75	PASS
		High	2462	-15.28	-57.25	≤-35.28	PASS
11N20SISO	Ant1	Low	2412	-16.14	-56.59	≤-36.14	PASS
		High	2462	-14.79	-57.21	≤-34.79	PASS
11N40SISO	Ant1	Low	2422	-19.00	-56.76	≤-39	PASS
		High	2452	-18.70	-57.54	≤-38.7	PASS

Test Graphs

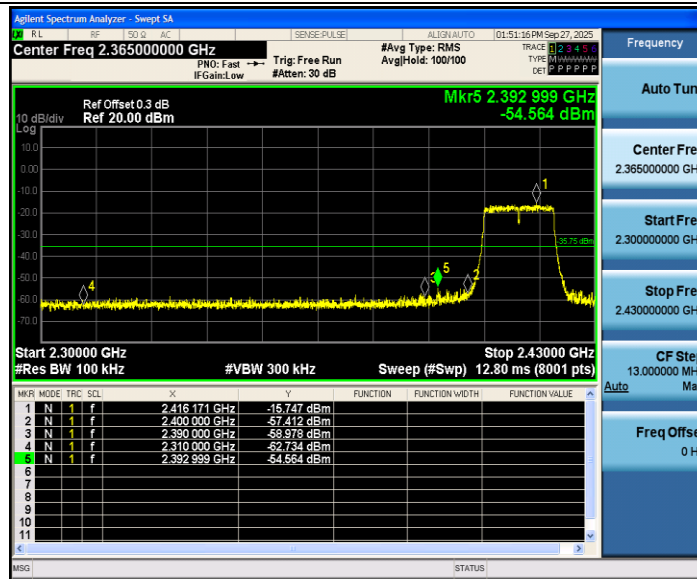
11B_Ant1_Low_2412



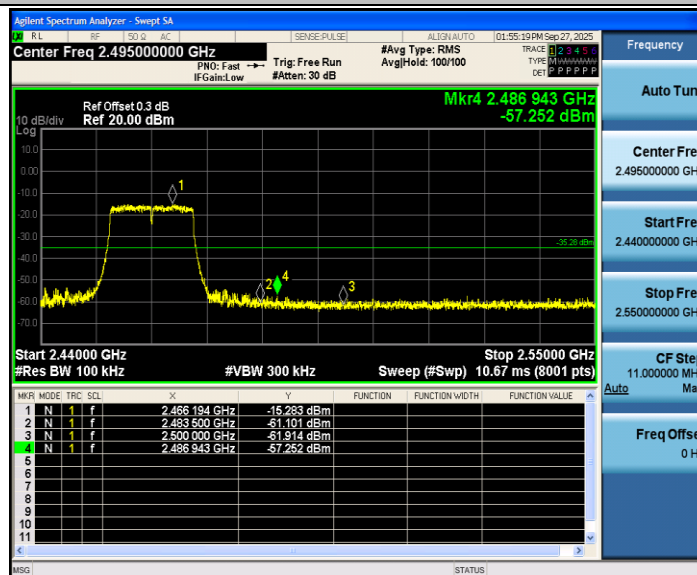
11B_Ant1_High_2462



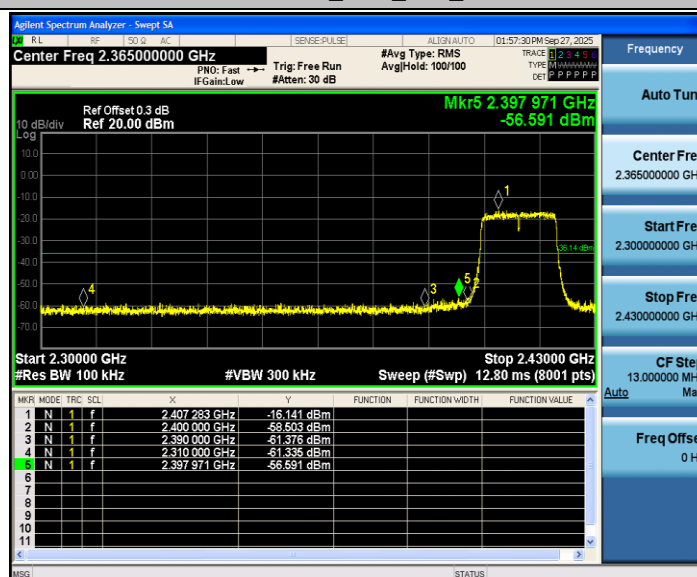
11G_Ant1_Low_2412



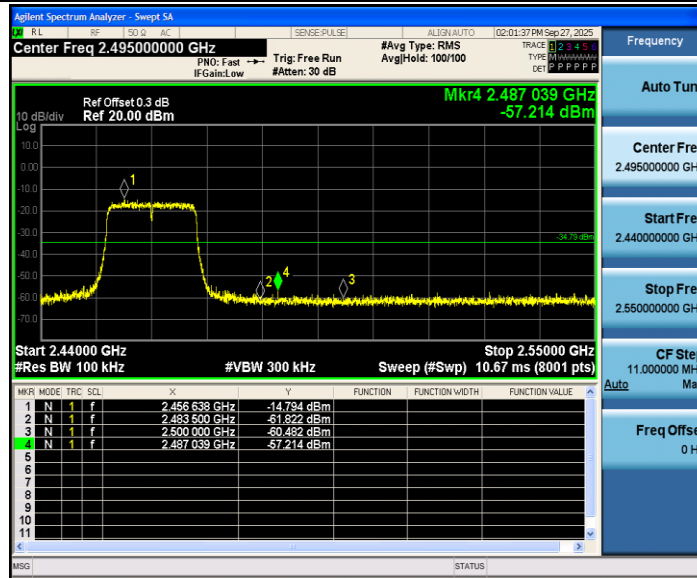
11G_Ant1_High_2462



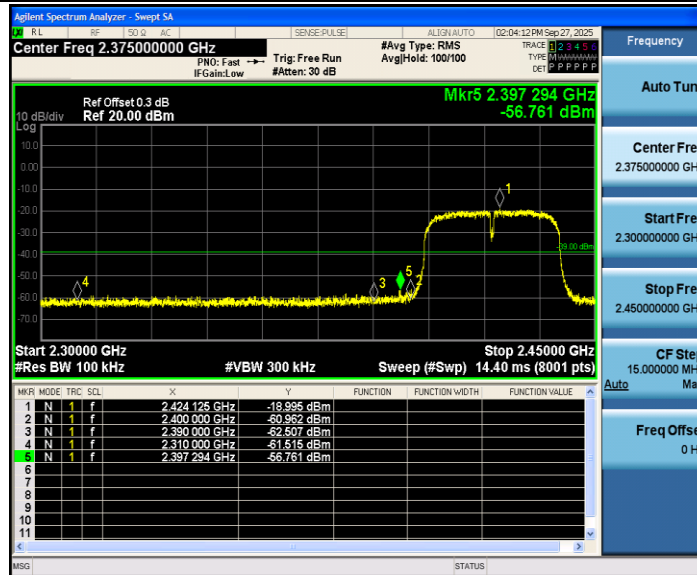
11N20SISO_Ant1_Low_2412



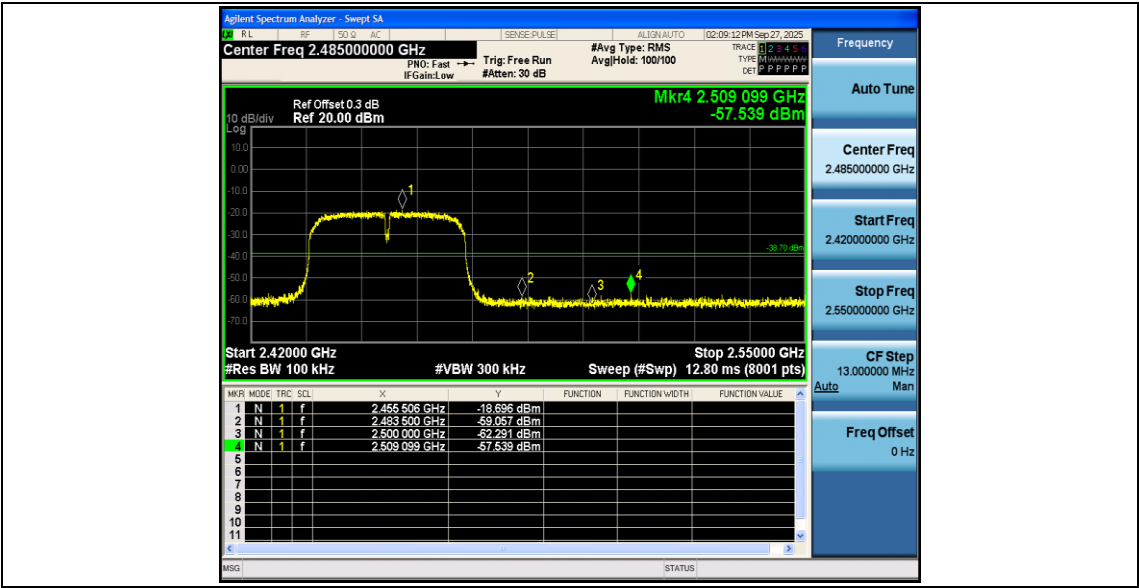
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



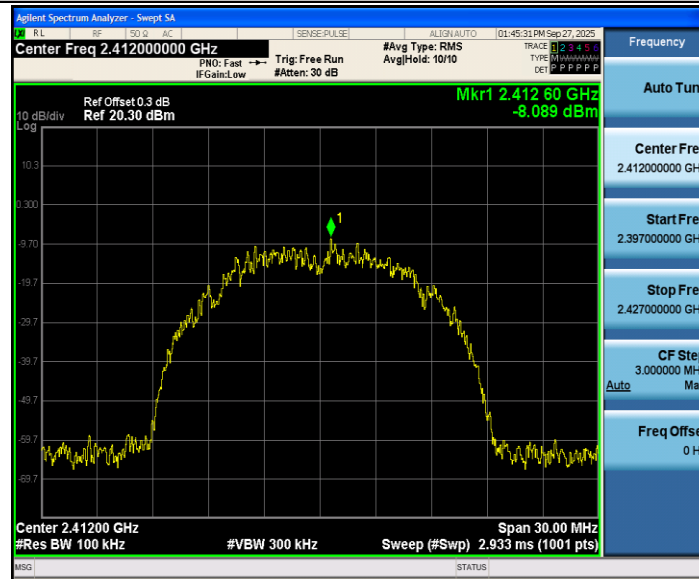
Appendix F: Conducted Spurious Emission

Test Result

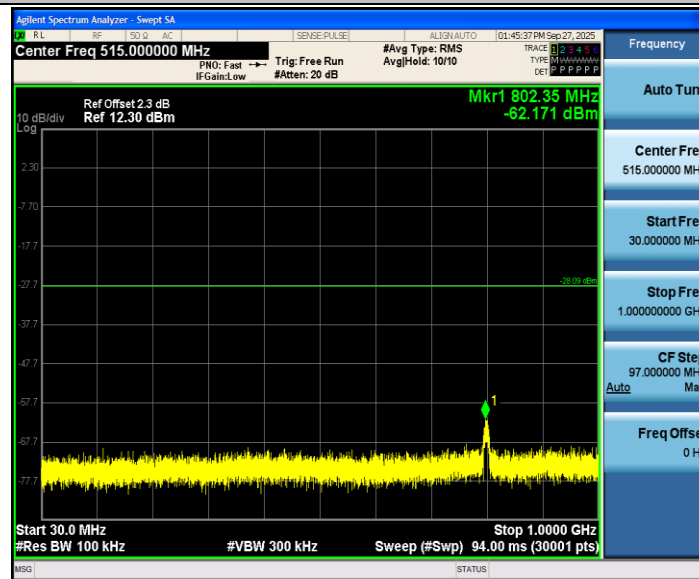
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-8.09	-8.09	---	PASS
			30~1000	-8.09	-62.17	≤-28.09	PASS
			1000~26500	-8.09	-45.02	≤-28.09	PASS
		2437	Reference	-9.20	-9.20	---	PASS
			30~1000	-9.20	-60.12	≤-29.2	PASS
			1000~26500	-9.20	-45.48	≤-29.2	PASS
		2462	Reference	-9.05	-9.05	---	PASS
			30~1000	-9.05	-60.98	≤-29.05	PASS
			1000~26500	-9.05	-46.08	≤-29.05	PASS
11G	Ant1	2412	Reference	-16.68	-16.68	---	PASS
			30~1000	-16.68	-65.1	≤-36.68	PASS
			1000~26500	-16.68	-44.71	≤-36.68	PASS
		2437	Reference	-15.93	-15.93	---	PASS
			30~1000	-15.93	-65.46	≤-35.93	PASS
			1000~26500	-15.93	-45.5	≤-35.93	PASS
		2462	Reference	-15.68	-15.68	---	PASS
			30~1000	-15.68	-64.94	≤-35.68	PASS
			1000~26500	-15.68	-46.04	≤-35.68	PASS
11N20SISO	Ant1	2412	Reference	-16.62	-16.62	---	PASS
			30~1000	-16.62	-64.68	≤-36.62	PASS
			1000~26500	-16.62	-44.75	≤-36.62	PASS
		2437	Reference	-16.01	-16.01	---	PASS
			30~1000	-16.01	-64.97	≤-36.01	PASS
			1000~26500	-16.01	-45.17	≤-36.01	PASS
		2462	Reference	-14.90	-14.90	---	PASS
			30~1000	-14.90	-64.02	≤-34.9	PASS
			1000~26500	-14.90	-46.04	≤-34.9	PASS
11N40SISO	Ant1	2422	Reference	-18.93	-18.93	---	PASS
			30~1000	-18.93	-66.53	≤-38.93	PASS
			1000~26500	-18.93	-44.94	≤-38.93	PASS
		2437	Reference	-19.57	-19.57	---	PASS
			30~1000	-19.57	-65.94	≤-39.57	PASS
			1000~26500	-19.57	-45.34	≤-39.57	PASS
		2452	Reference	-19.25	-19.25	---	PASS
			30~1000	-19.25	-66.05	≤-39.25	PASS
			1000~26500	-19.25	-45.93	≤-39.25	PASS

Test Graphs

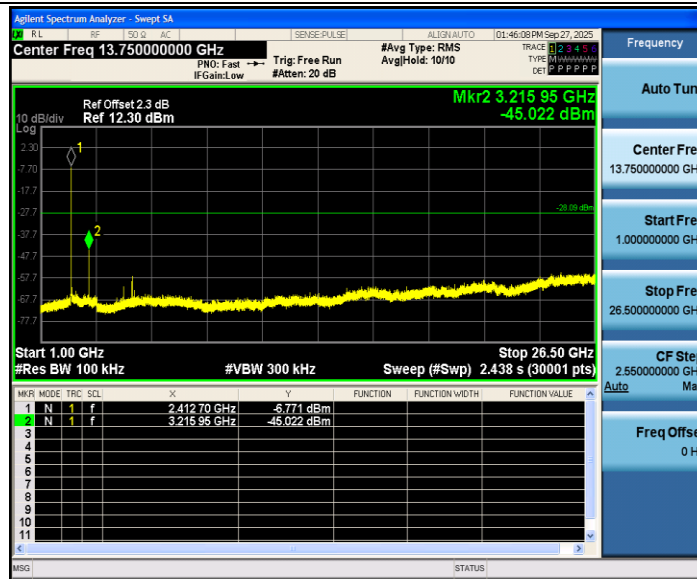
11B_Ant1_2412_0~Reference



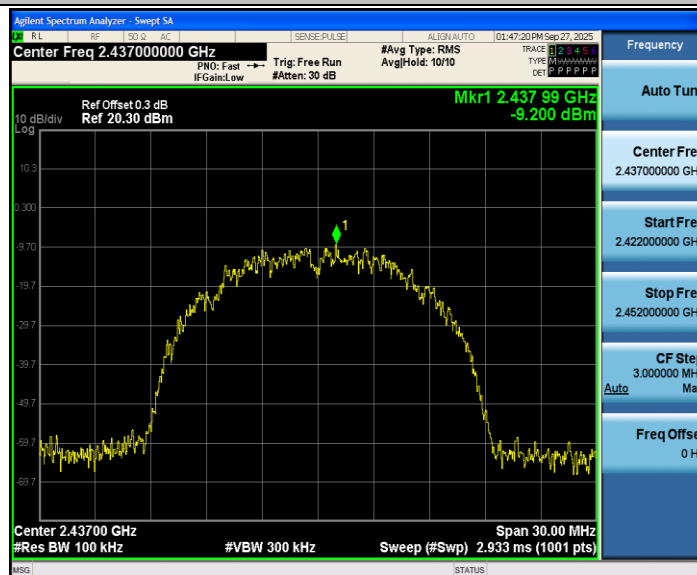
11B_Ant1_2412_30~1000



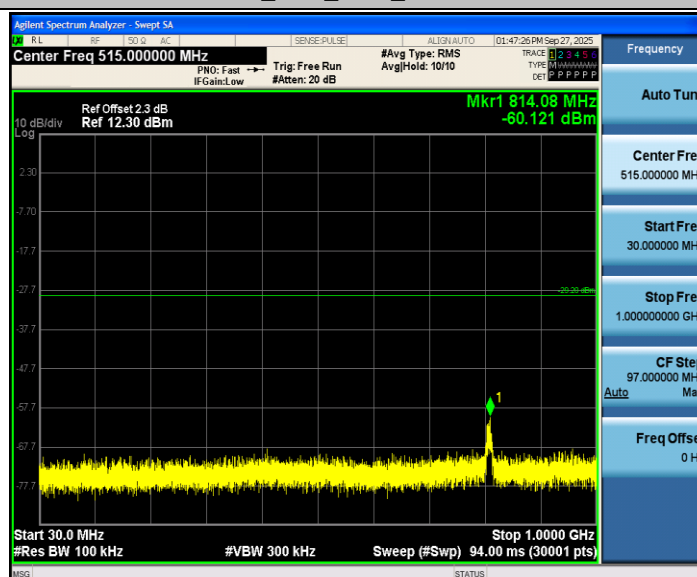
11B_Ant1_2412_1000~26500



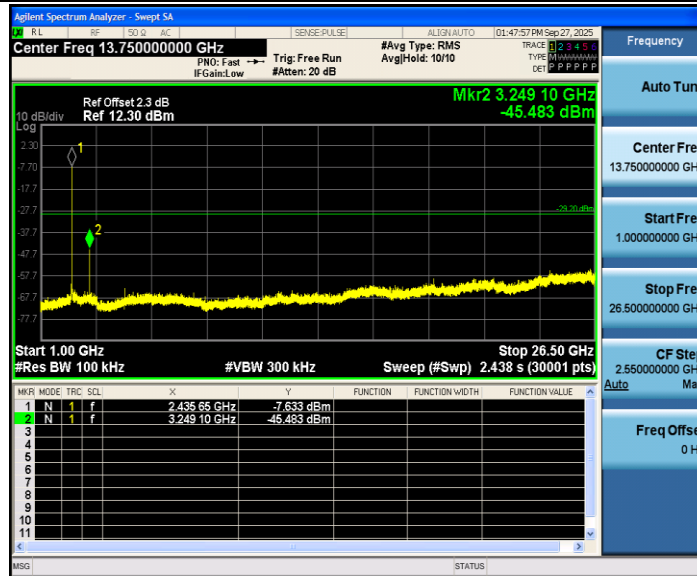
11B_Ant1_2437_0~Reference



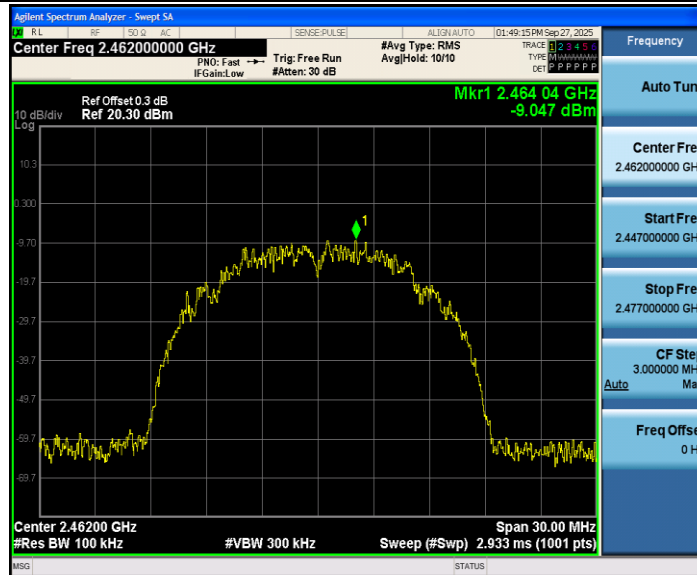
11B_Ant1_2437_30~1000



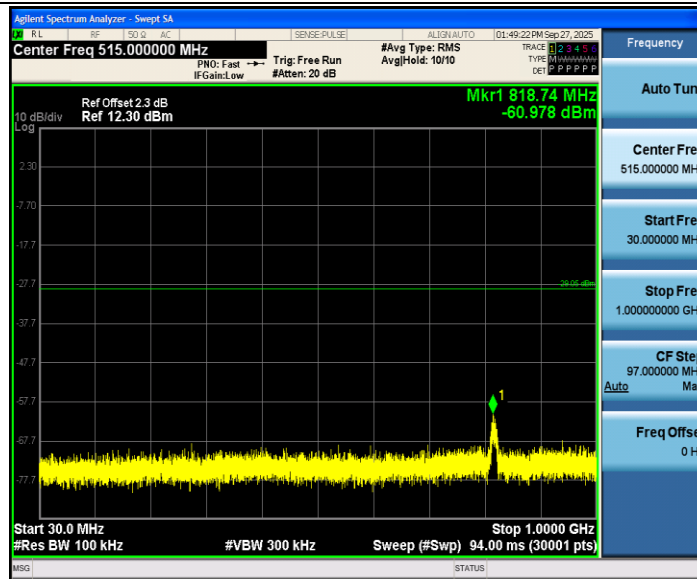
11B_Ant1_2437_1000~26500



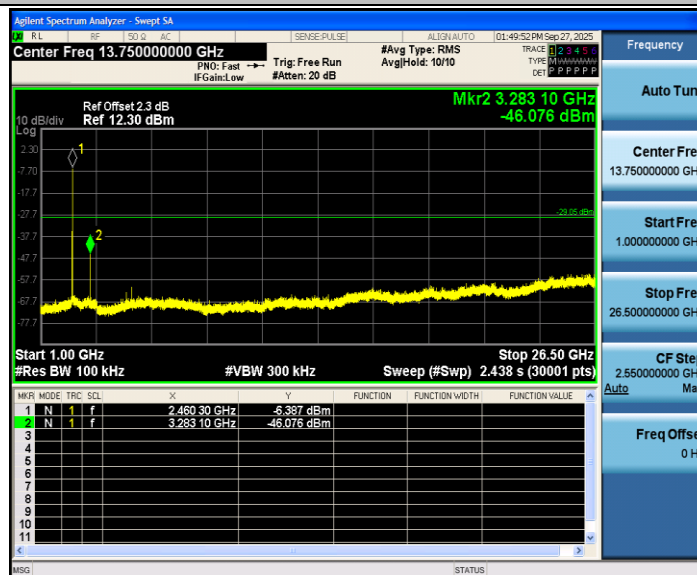
11B_Ant1_2462_0~Reference



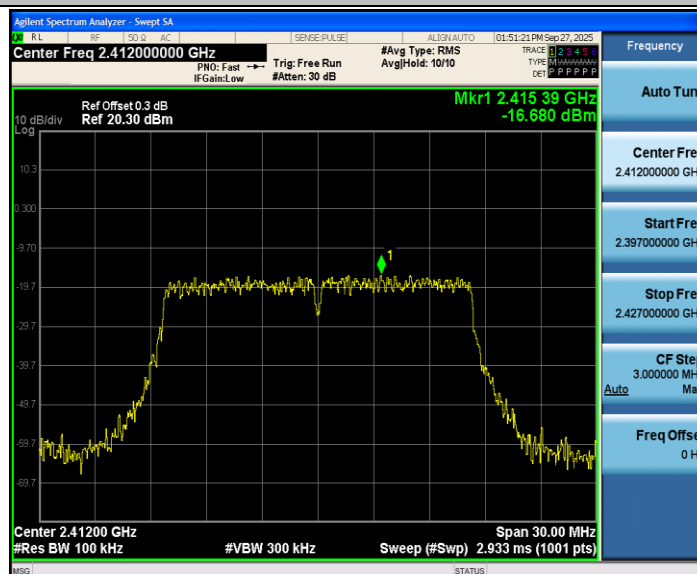
11B_Ant1_2462_30~1000



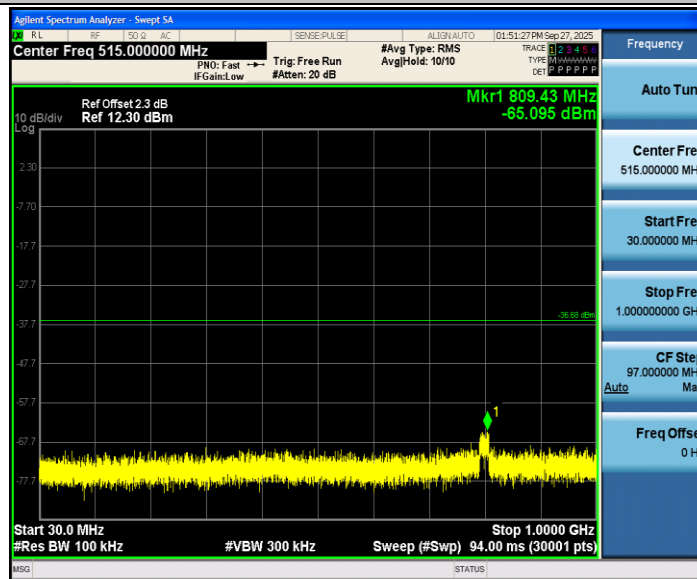
11B_Ant1_2462_1000~26500



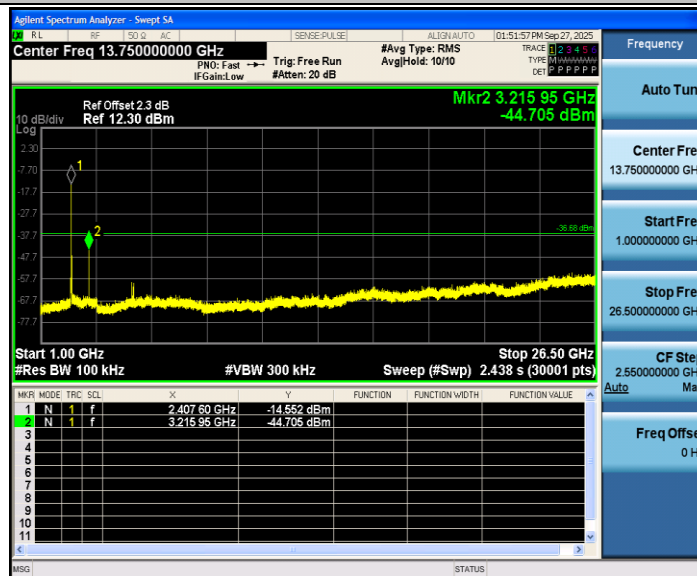
11G_Ant1_2412_0~Reference



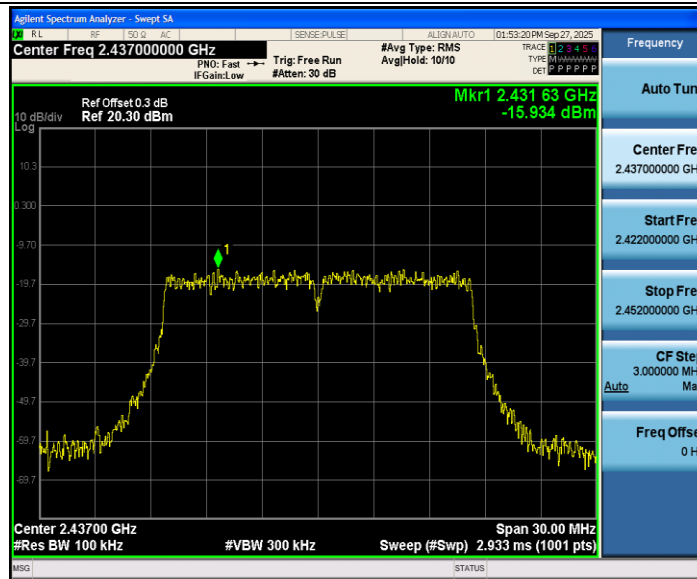
11G_Ant1_2412_30~1000



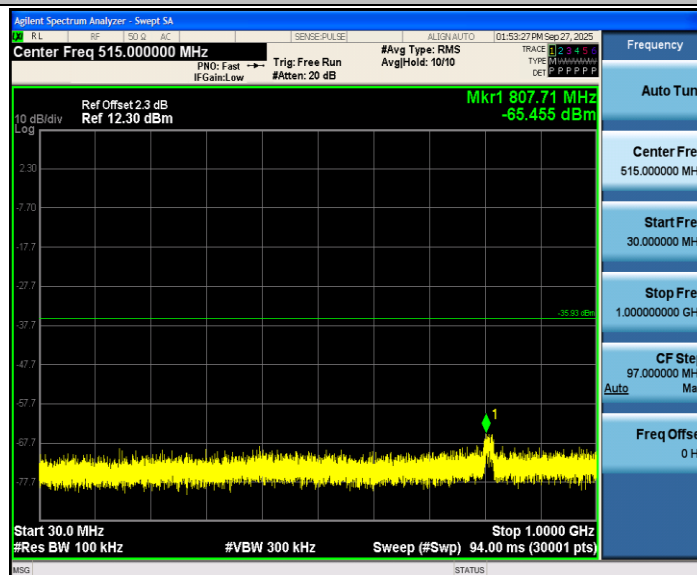
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

