

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AXCX-NT604ELITE

Company : Shenzhen Foxwell Technology Co., Ltd

EUT : FOUR-SYSTEM SCANNER

Model Number : NT604Elite

Report No. : CTA25091901301

Reviewed By : Eric Wang

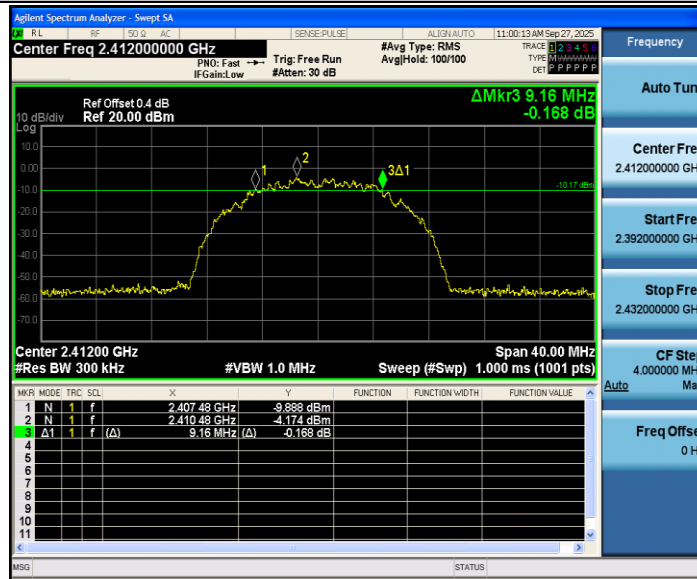
Appendix A: DTS Bandwidth

Test Result

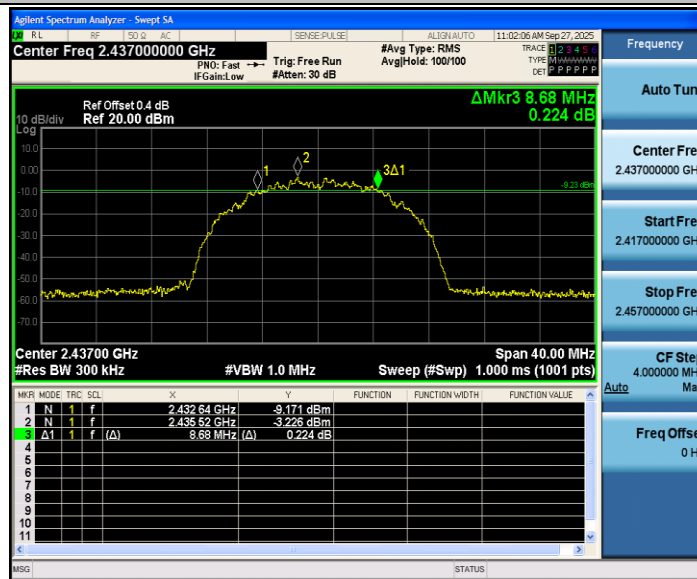
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.160	2407.480	2416.640	0.5	PASS
		2437	8.680	2432.640	2441.320	0.5	PASS
		2462	9.200	2457.440	2466.640	0.5	PASS
11G	Ant1	2412	16.440	2403.840	2420.280	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.400	2453.840	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.400	2420.680	0.5	PASS
		2437	17.320	2428.360	2445.680	0.5	PASS
		2462	17.120	2453.480	2470.600	0.5	PASS
11N40SISO	Ant1	2422	33.600	2405.520	2439.120	0.5	PASS
		2437	33.840	2420.280	2454.120	0.5	PASS
		2452	34.080	2435.040	2469.120	0.5	PASS

Test Graphs

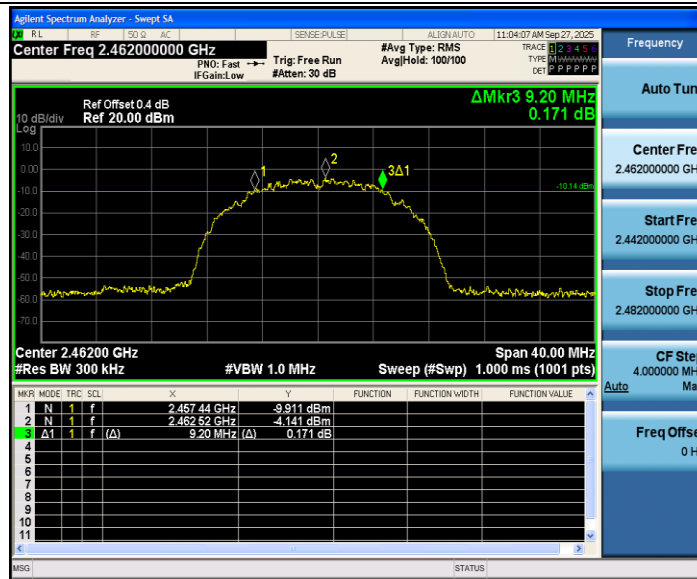
11B_Ant1_2412



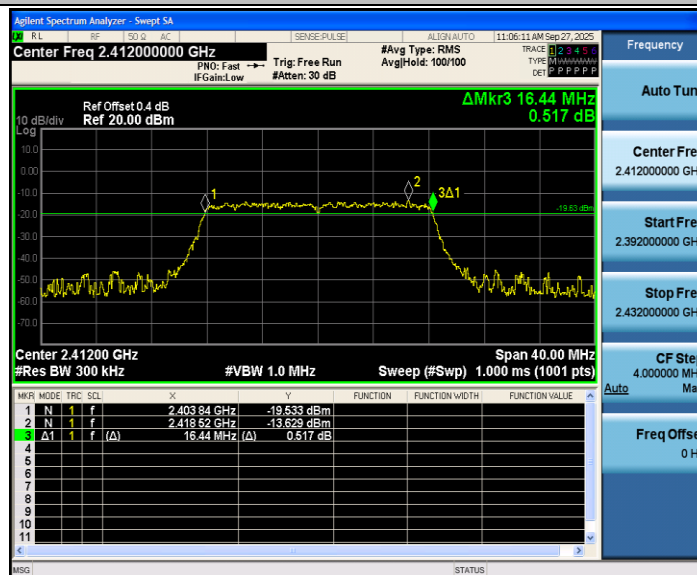
11B_Ant1_2437



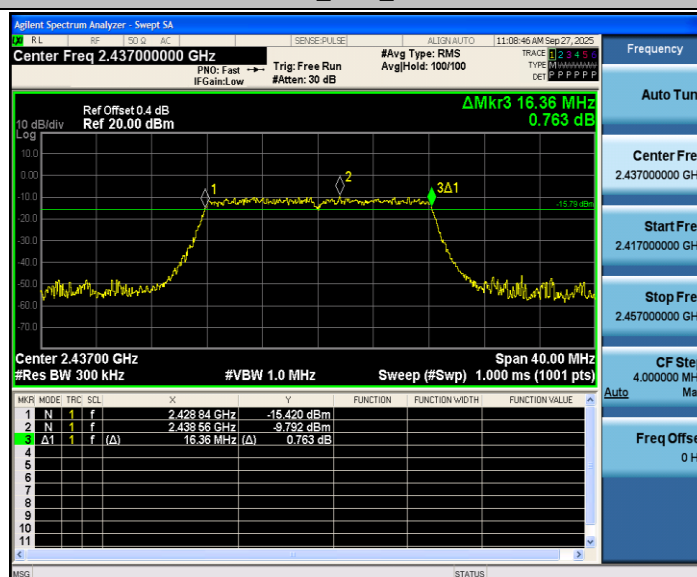
11B_Ant1_2462

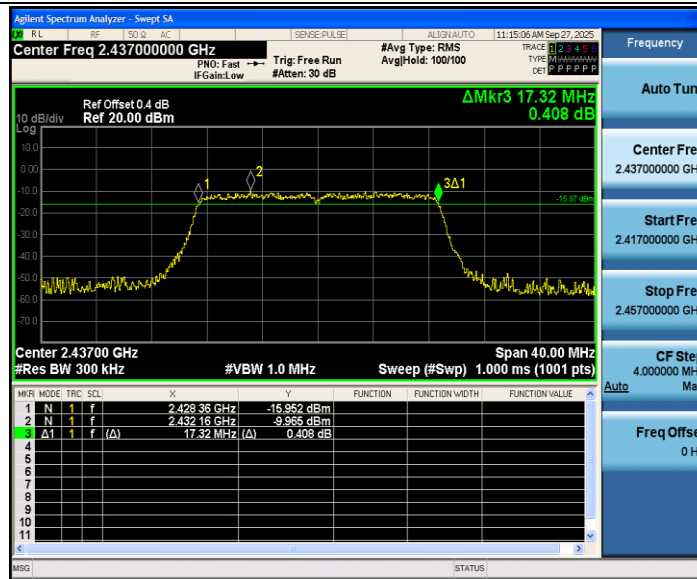


11G_Ant1_2412

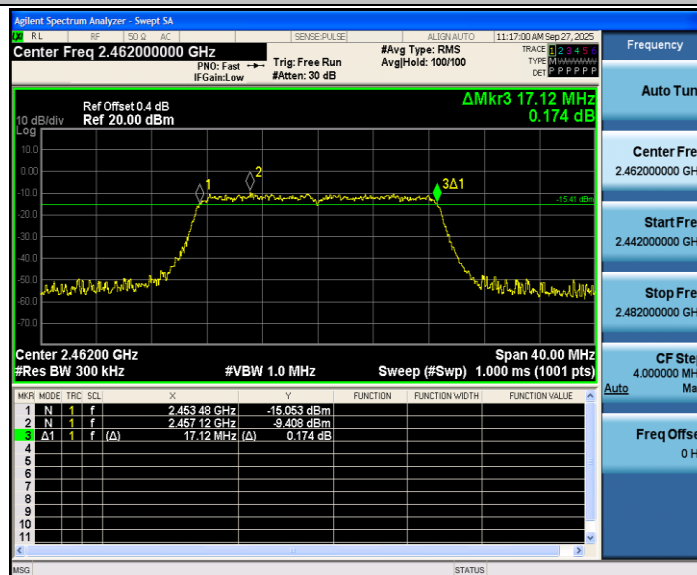


11G_Ant1_2437

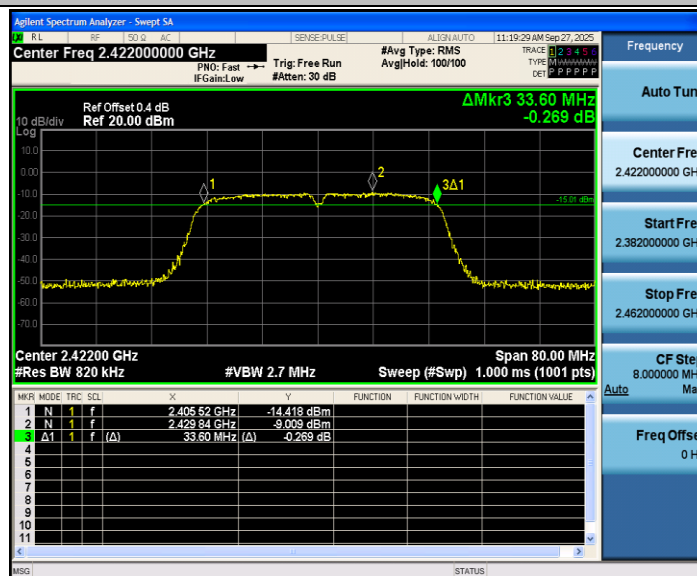




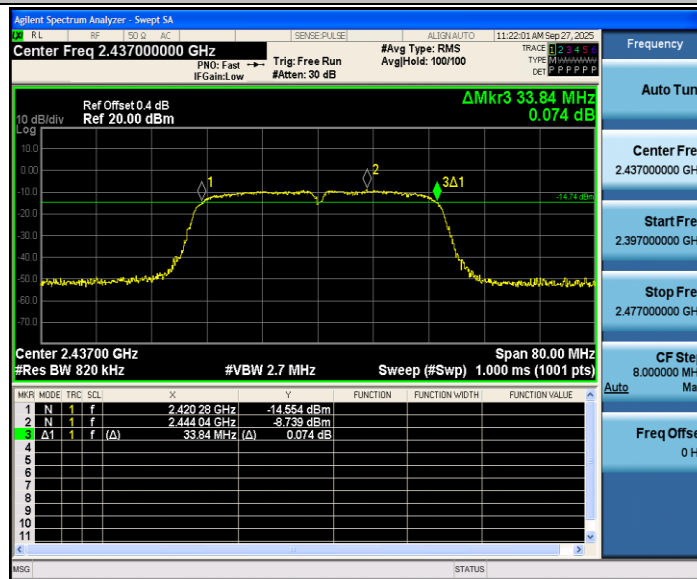
11N20SISO_Ant1_2462



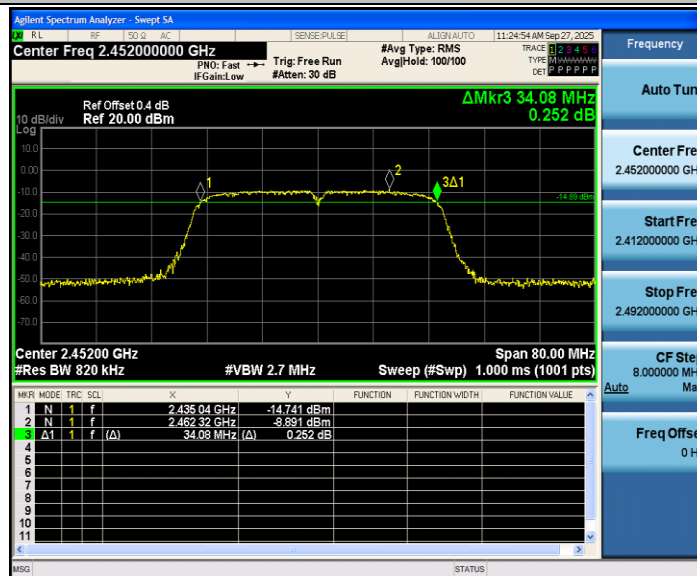
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



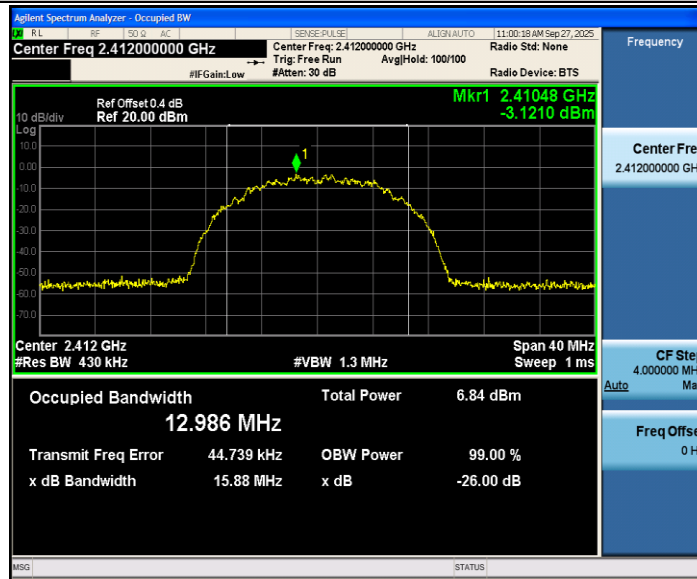
Appendix B: Occupied Channel Bandwidth

Test Result

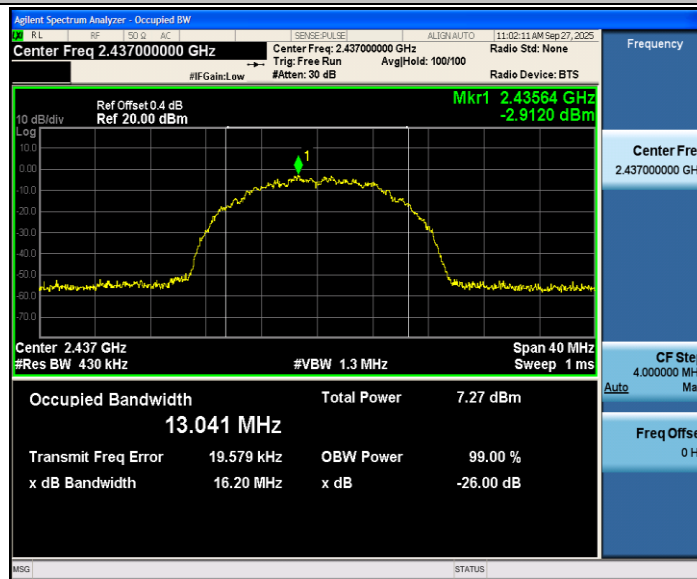
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.986	2405.5517	2418.5377	---	---
		2437	13.041	2430.4991	2443.5401	---	---
		2462	13.041	2455.4778	2468.5188	---	---
11G	Ant1	2412	16.572	2403.7629	2420.3349	---	---
		2437	16.522	2428.7867	2445.3087	---	---
		2462	16.560	2453.7426	2470.3026	---	---
11N20SISO	Ant1	2412	17.449	2403.3131	2420.7621	---	---
		2437	17.463	2428.3148	2445.7778	---	---
		2462	17.448	2453.3137	2470.7617	---	---
11N40SISO	Ant1	2422	34.790	2404.8065	2439.5965	---	---
		2437	34.843	2419.6960	2454.5390	---	---
		2452	34.869	2434.6788	2469.5478	---	---

Test Graphs

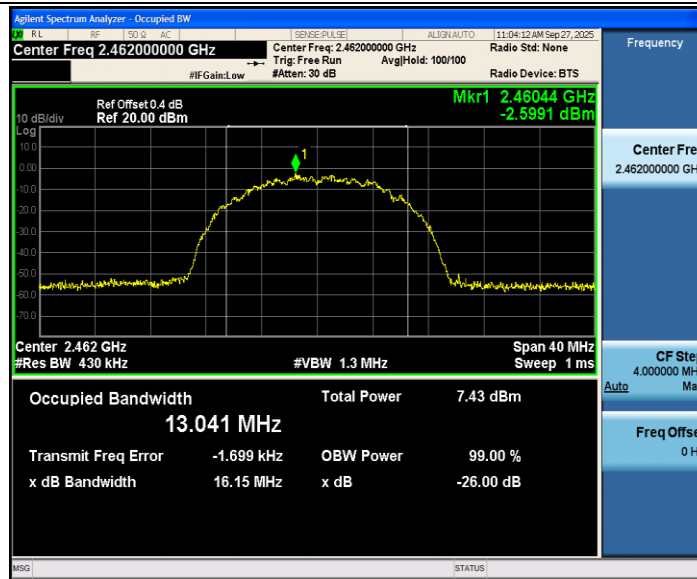
11B_Ant1_2412



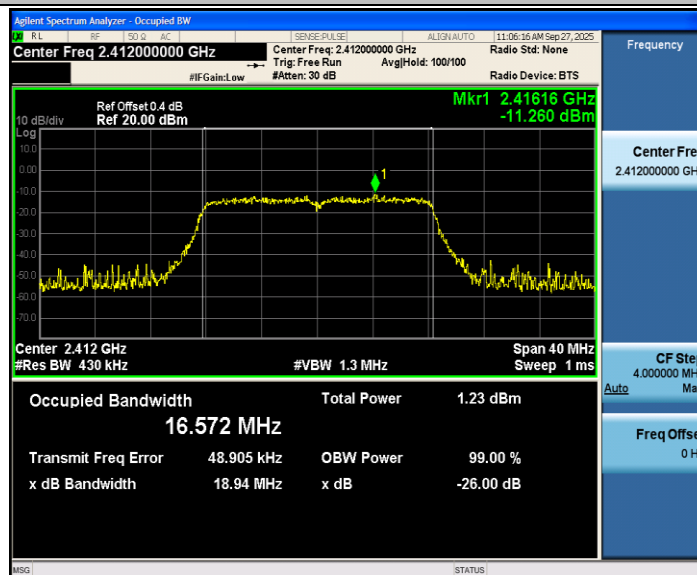
11B_Ant1_2437



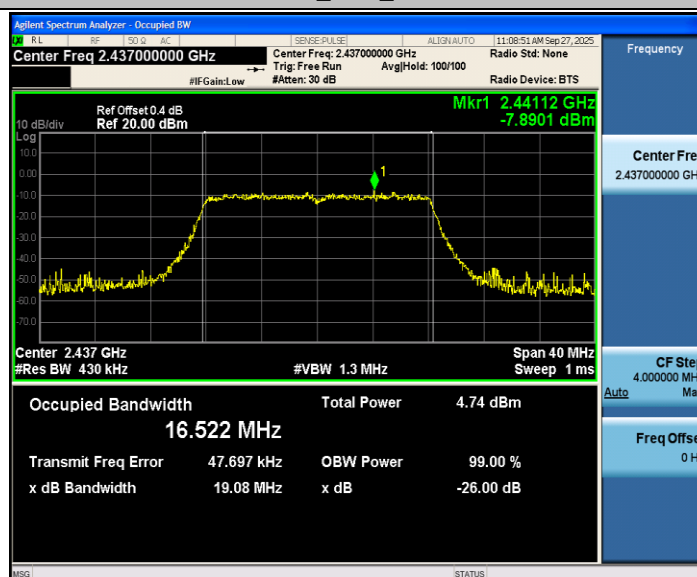
11B_Ant1_2462



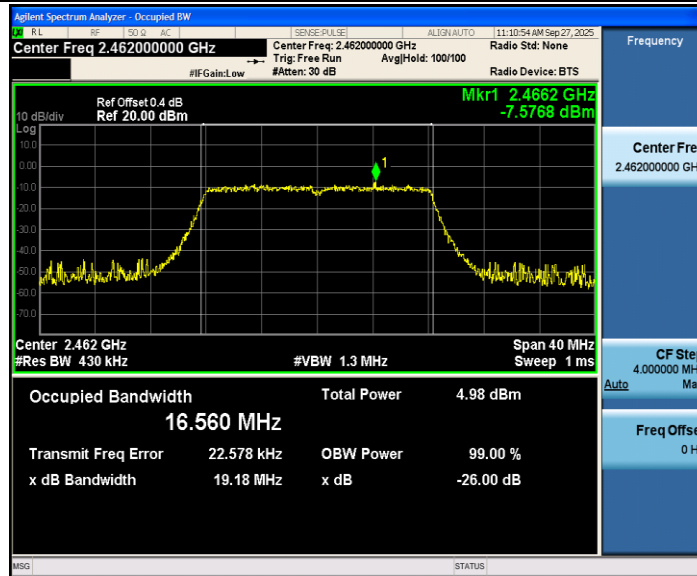
11G_Ant1_2412



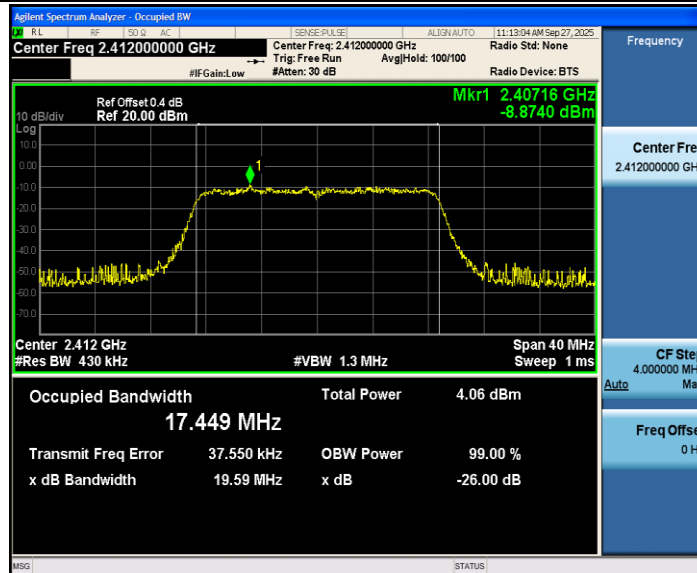
11G_Ant1_2437



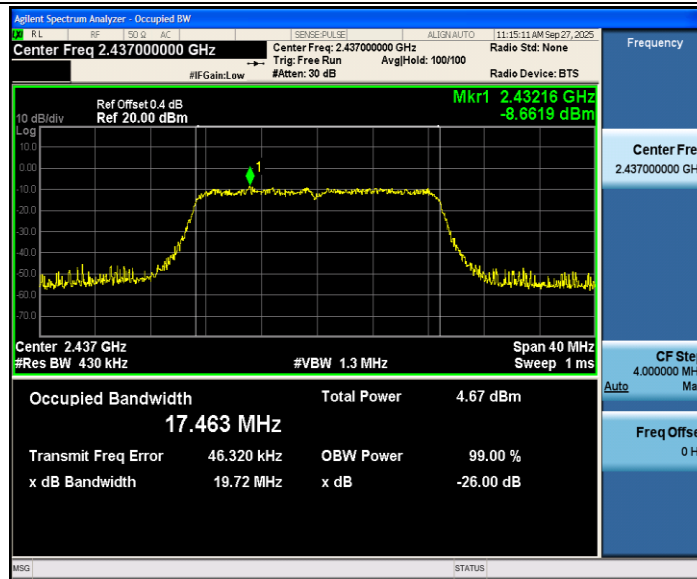
11G_Ant1_2462



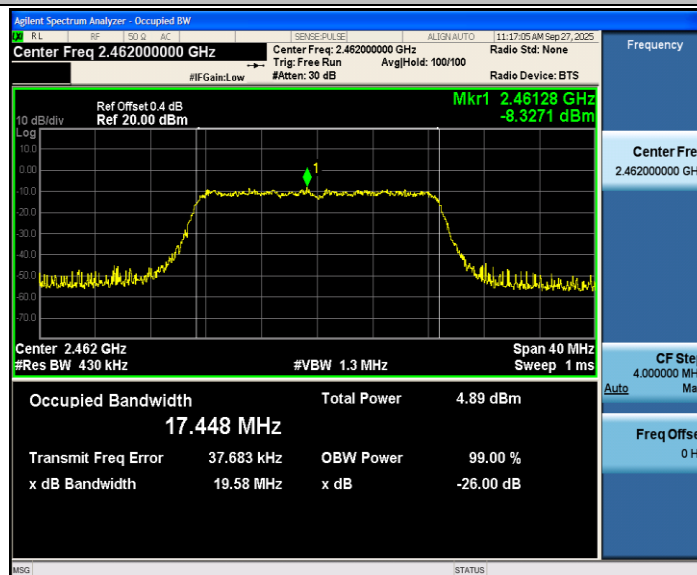
11N20SISO_Ant1_2412



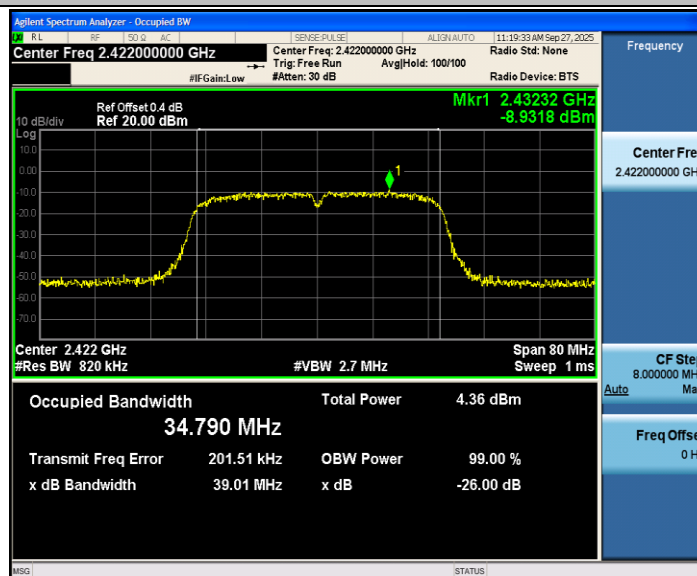
11N20SISO_Ant1_2437



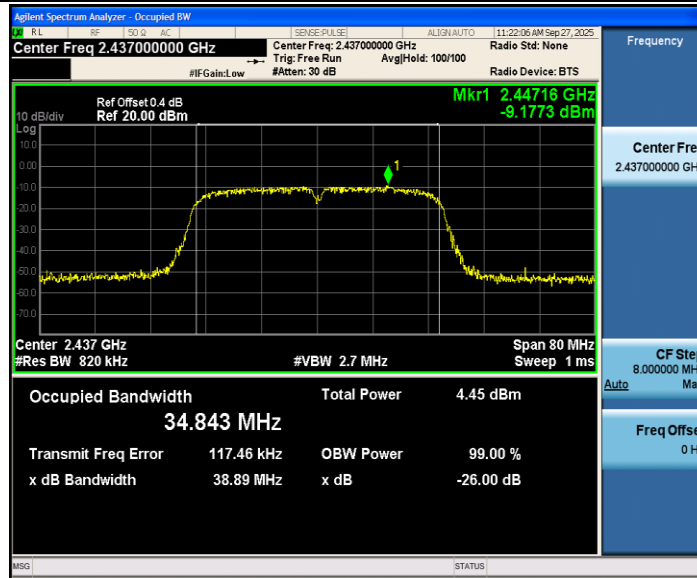
11N20SISO_Ant1_2462



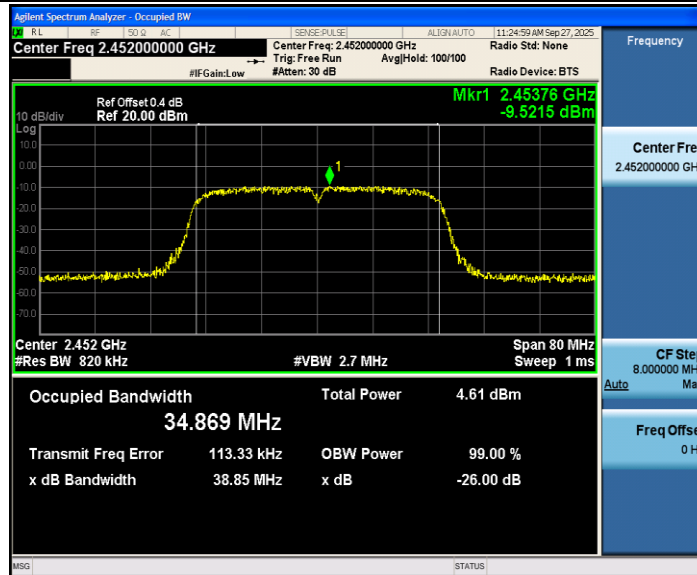
11N40SISO_Ant1_2422



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	6.32	≤30.00	PASS
		2437	6.78	≤30.00	PASS
		2462	7.07	≤30.00	PASS
11G	Ant1	2412	5.17	≤30.00	PASS
		2437	5.54	≤30.00	PASS
		2462	5.72	≤30.00	PASS
11N20SISO	Ant1	2412	5.25	≤30.00	PASS
		2437	5.76	≤30.00	PASS
		2462	5.98	≤30.00	PASS
11N40SISO	Ant1	2422	4.43	≤30.00	PASS
		2437	4.80	≤30.00	PASS
		2452	4.98	≤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	-22.81	≤8.00	PASS
		2437	-22.15	≤8.00	PASS
		2462	-22.09	≤8.00	PASS
11G	Ant1	2412	-29.48	≤8.00	PASS
		2437	-28.89	≤8.00	PASS
		2462	-28.65	≤8.00	PASS
11N20SISO	Ant1	2412	-29.20	≤8.00	PASS
		2437	-28.35	≤8.00	PASS
		2462	-28.51	≤8.00	PASS
11N40SISO	Ant1	2422	-29.80	≤8.00	PASS
		2437	-30.30	≤8.00	PASS
		2452	-30.34	≤8.00	PASS

Test Graphs

11B_Ant1_2412



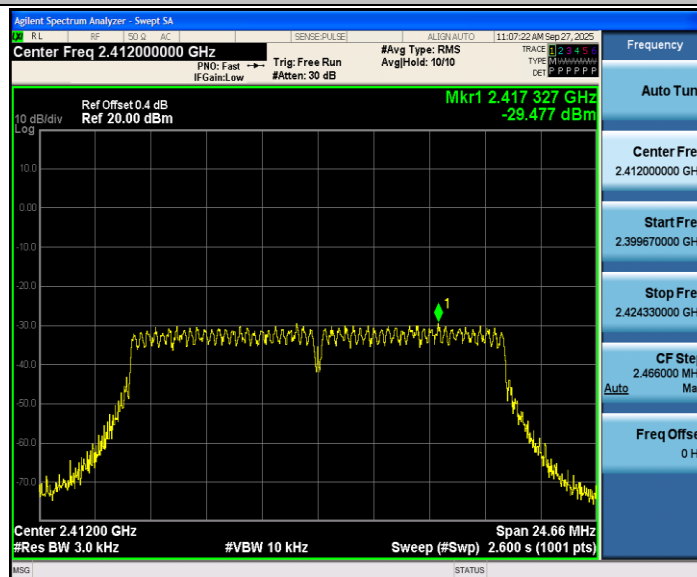
11B_Ant1_2437



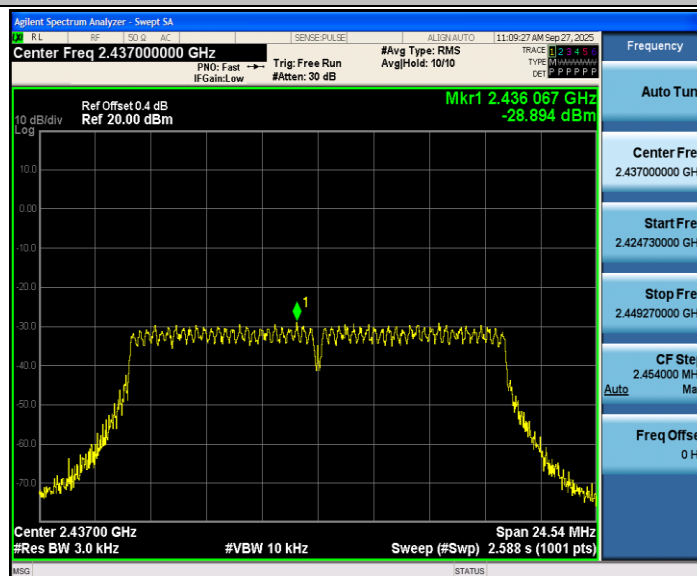
11B_Ant1_2462



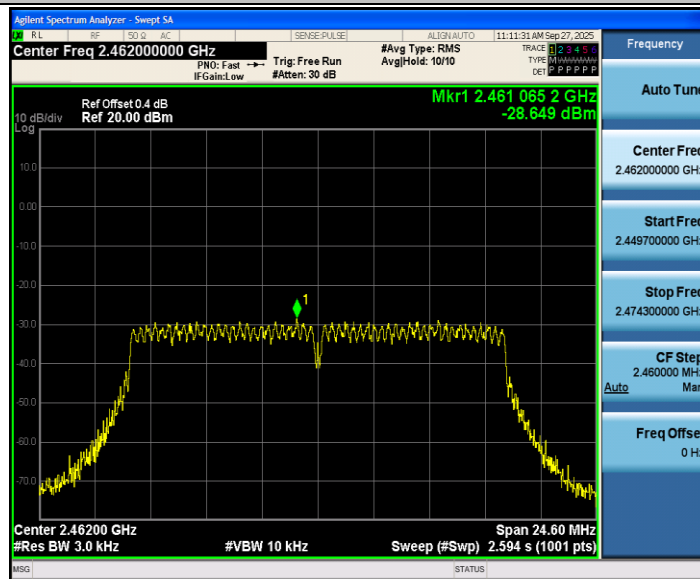
11G_Ant1_2412



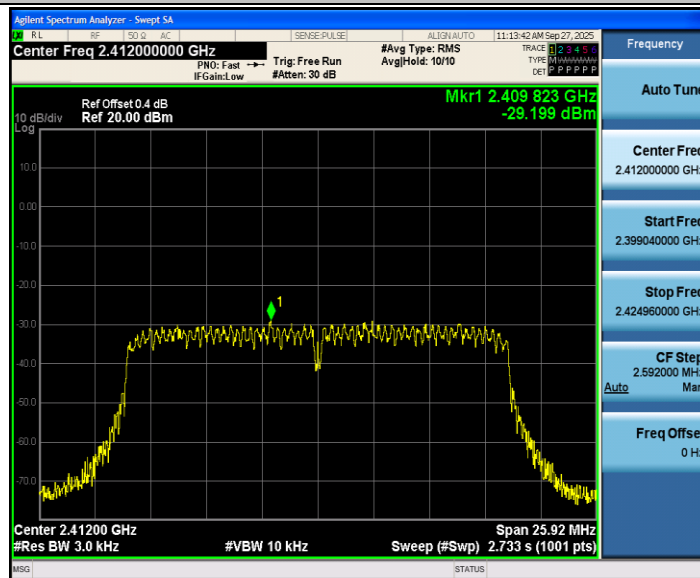
11G_Ant1_2437



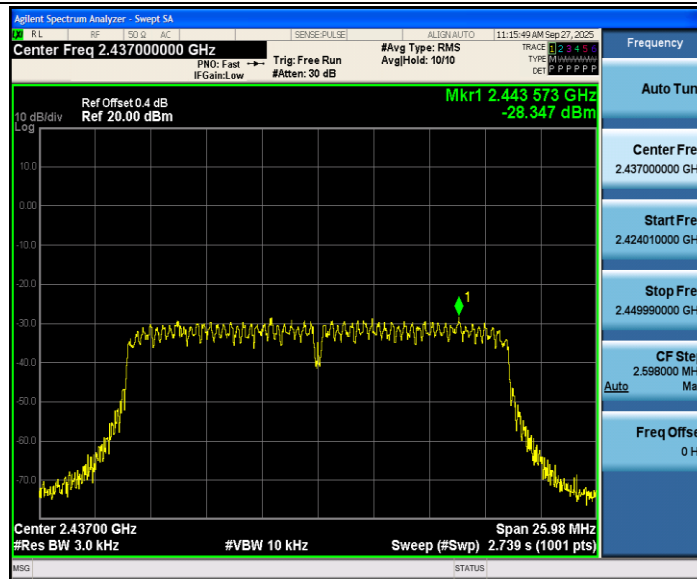
11G_Ant1_2462



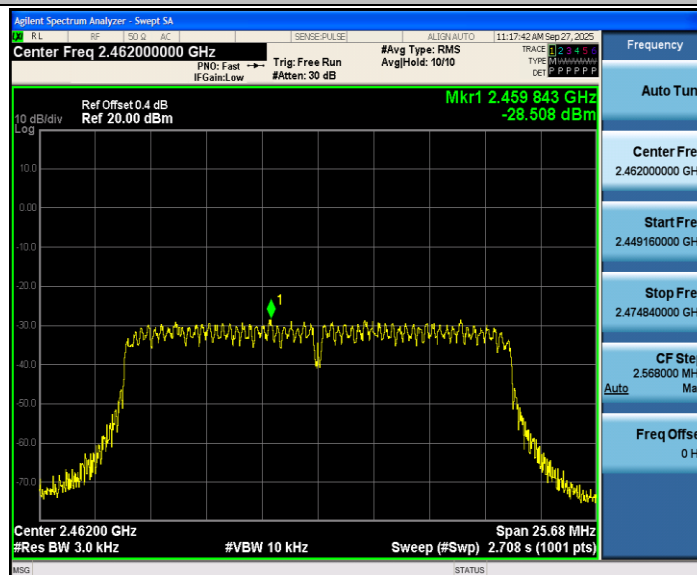
11N20SISO_Ant1_2412



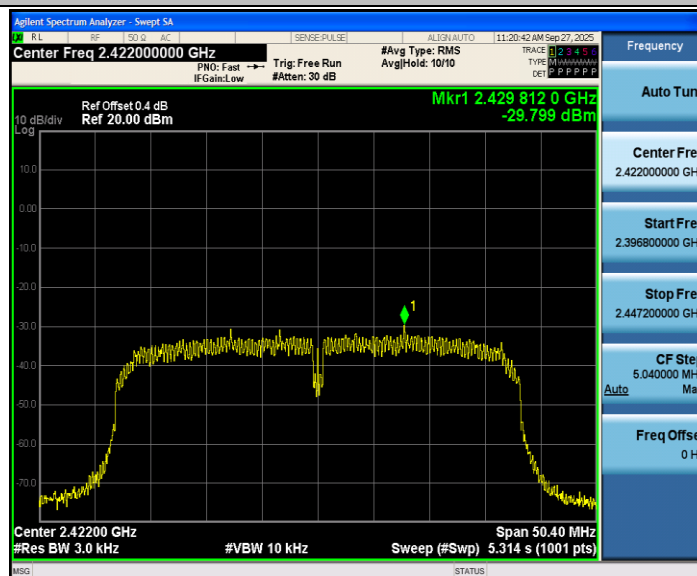
11N20SISO_Ant1_2437



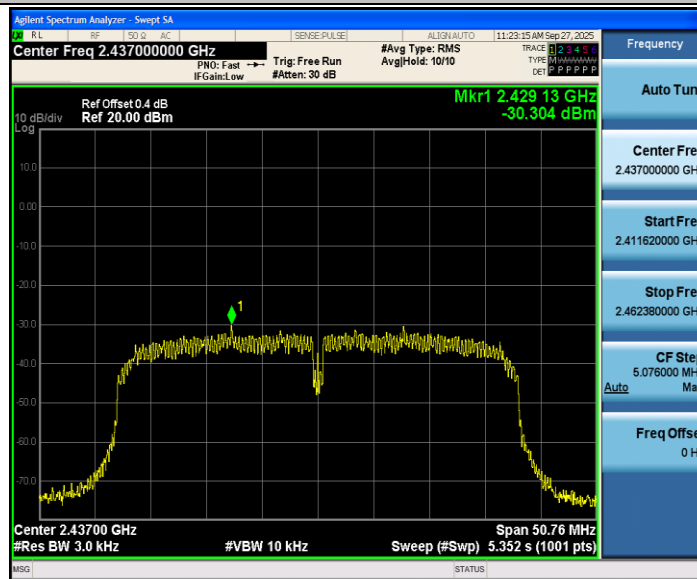
11N20SISO_Ant1_2462



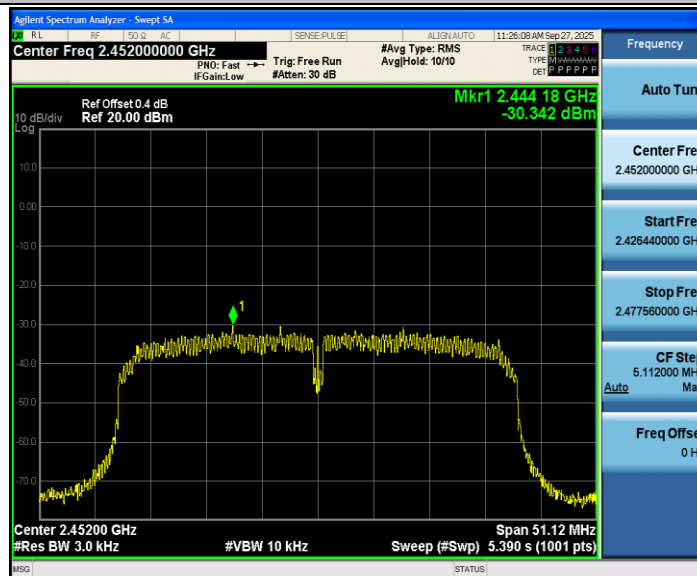
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



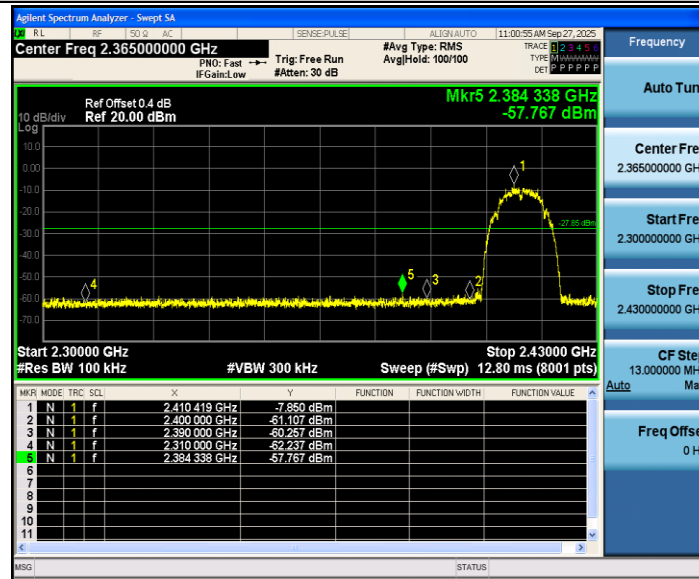
Appendix E: Band edge measurements

Test Result

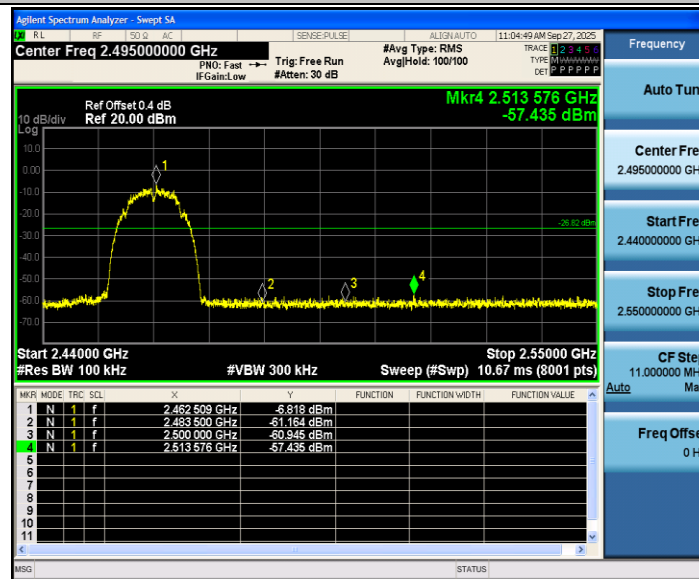
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-7.85	-57.77	≤-27.85	PASS
		High	2462	-6.82	-57.44	≤-26.82	PASS
11G	Ant1	Low	2412	-15.15	-52.56	≤-35.15	PASS
		High	2462	-14.94	-56.47	≤-34.94	PASS
11N20SISO	Ant1	Low	2412	-15.50	-55.55	≤-35.5	PASS
		High	2462	-14.81	-57.33	≤-34.81	PASS
11N40SISO	Ant1	Low	2422	-18.26	-56.47	≤-38.26	PASS
		High	2452	-18.28	-57.22	≤-38.28	PASS

Test Graphs

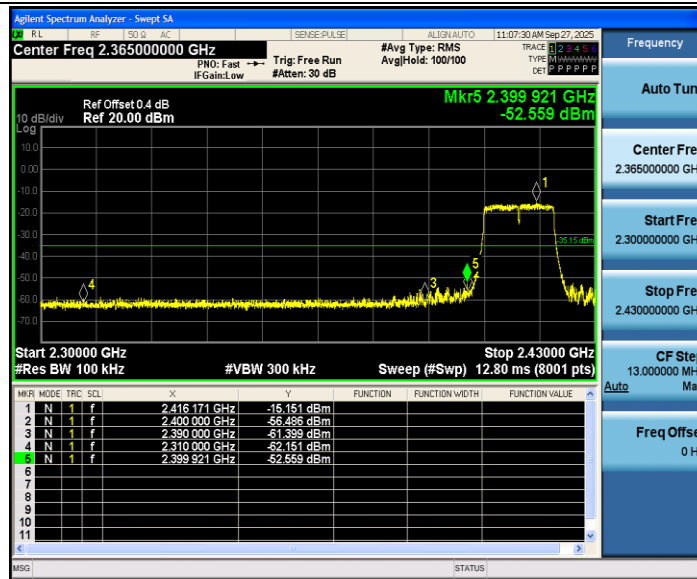
11B_Ant1_Low_2412



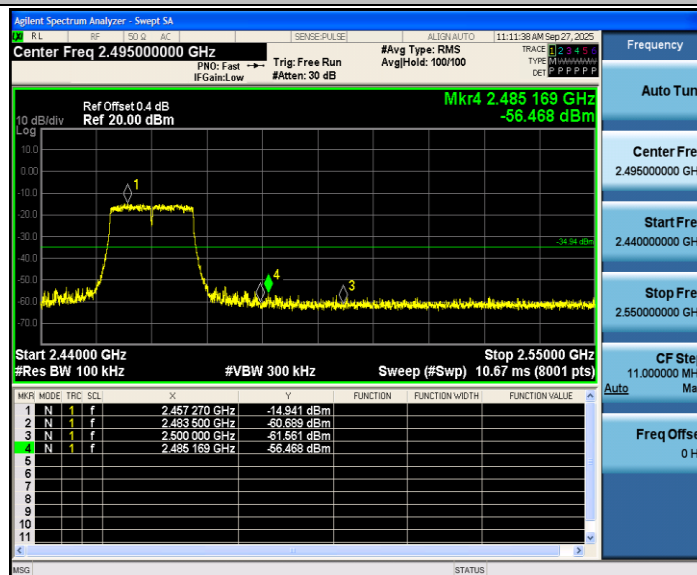
11B_Ant1_High_2462



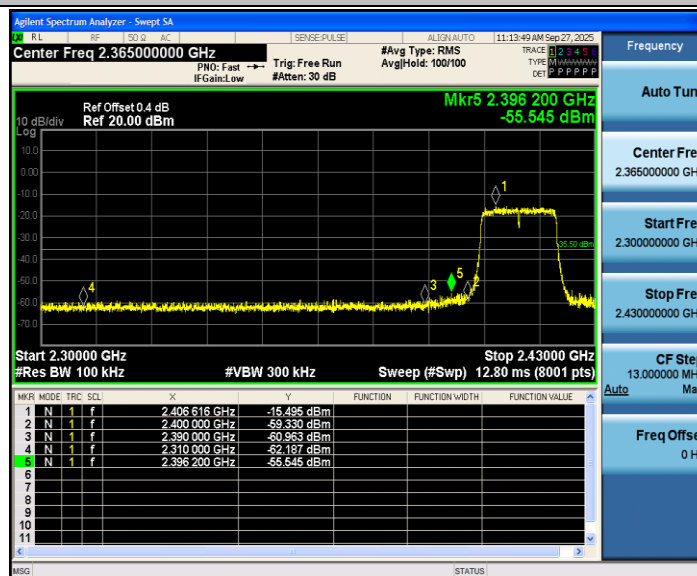
11G_Ant1_Low_2412



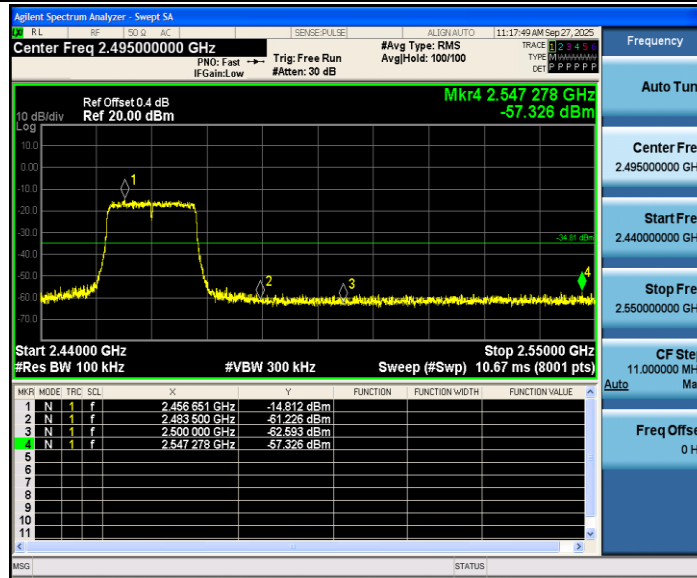
11G_Ant1_High_2462



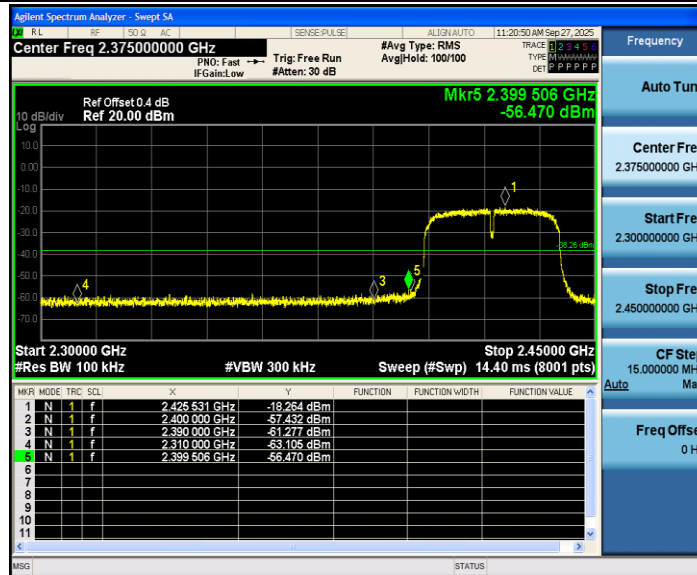
11N20SISO_Ant1_Low_2412



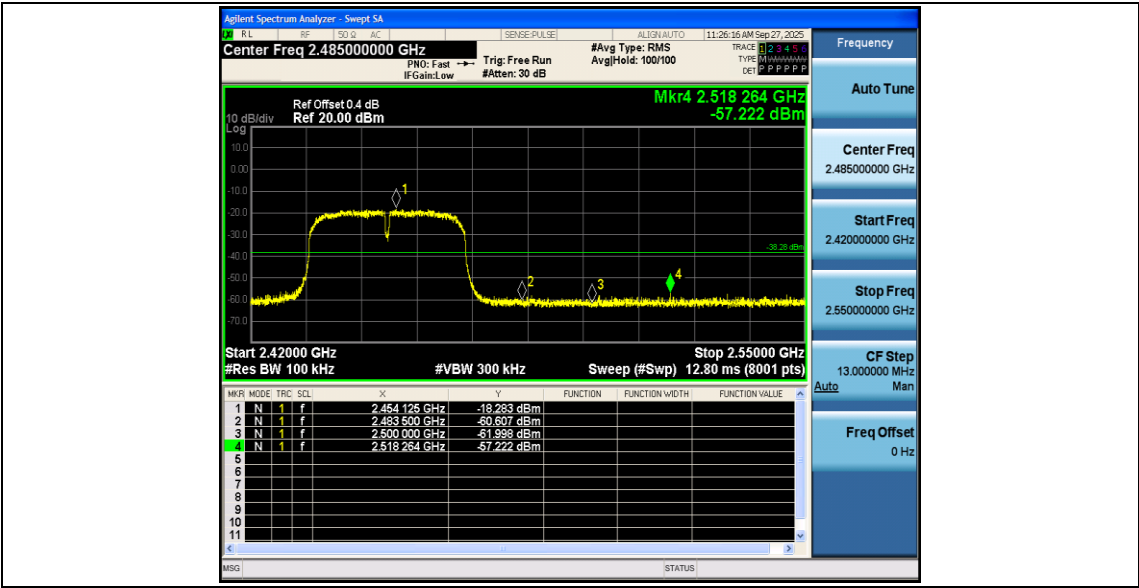
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



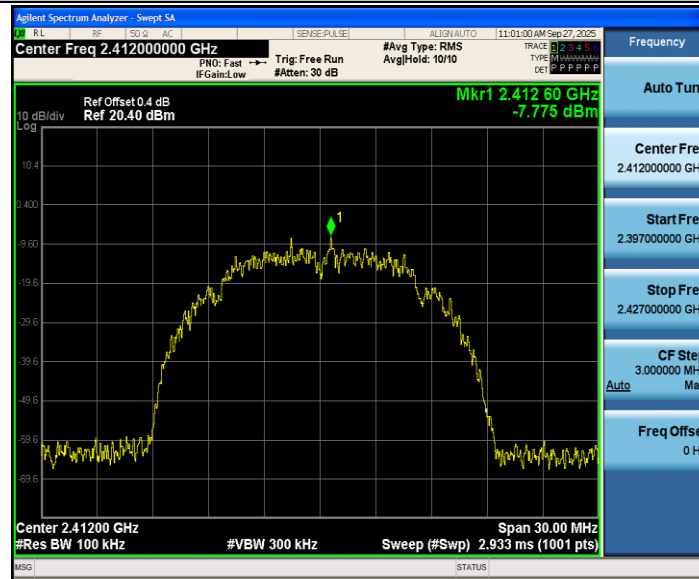
Appendix F: Conducted Spurious Emission

Test Result

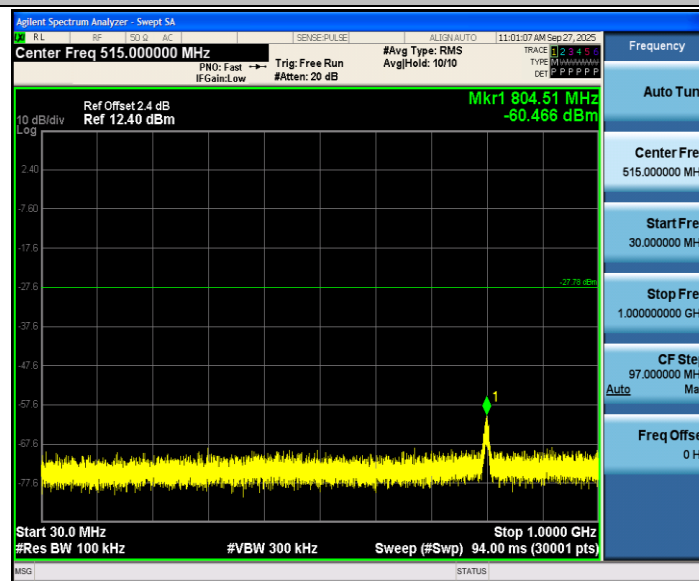
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-7.78	-7.78	---	PASS
			30~1000	-7.78	-60.47	≤-27.78	PASS
			1000~26500	-7.78	-44.34	≤-27.78	PASS
		2437	Reference	-8.85	-8.85	---	PASS
			30~1000	-8.85	-61.36	≤-28.85	PASS
			1000~26500	-8.85	-45.1	≤-28.85	PASS
		2462	Reference	-8.33	-8.33	---	PASS
			30~1000	-8.33	-59.88	≤-28.33	PASS
			1000~26500	-8.33	-45.5	≤-28.33	PASS
11G	Ant1	2412	Reference	-16.21	-16.21	---	PASS
			30~1000	-16.21	-64.6	≤-36.21	PASS
			1000~26500	-16.21	-44.33	≤-36.21	PASS
		2437	Reference	-15.46	-15.46	---	PASS
			30~1000	-15.46	-64.26	≤-35.46	PASS
			1000~26500	-15.46	-45.07	≤-35.46	PASS
		2462	Reference	-15.14	-15.14	---	PASS
			30~1000	-15.14	-64.01	≤-35.14	PASS
			1000~26500	-15.14	-45.6	≤-35.14	PASS
11N20SISO	Ant1	2412	Reference	-16.08	-16.08	---	PASS
			30~1000	-16.08	-63.09	≤-36.08	PASS
			1000~26500	-16.08	-44.29	≤-36.08	PASS
		2437	Reference	-15.09	-15.09	---	PASS
			30~1000	-15.09	-64.61	≤-35.09	PASS
			1000~26500	-15.09	-44.98	≤-35.09	PASS
		2462	Reference	-15.24	-15.24	---	PASS
			30~1000	-15.24	-64.16	≤-35.24	PASS
			1000~26500	-15.24	-45.58	≤-35.24	PASS
11N40SISO	Ant1	2422	Reference	-18.69	-18.69	---	PASS
			30~1000	-18.69	-65.56	≤-38.69	PASS
			1000~26500	-18.69	-44.64	≤-38.69	PASS
		2437	Reference	-18.80	-18.80	---	PASS
			30~1000	-18.80	-66	≤-38.8	PASS
			1000~26500	-18.80	-45.06	≤-38.8	PASS
		2452	Reference	-18.65	-18.65	---	PASS
			30~1000	-18.65	-65.27	≤-38.65	PASS
			1000~26500	-18.65	-45.55	≤-38.65	PASS

Test Graphs

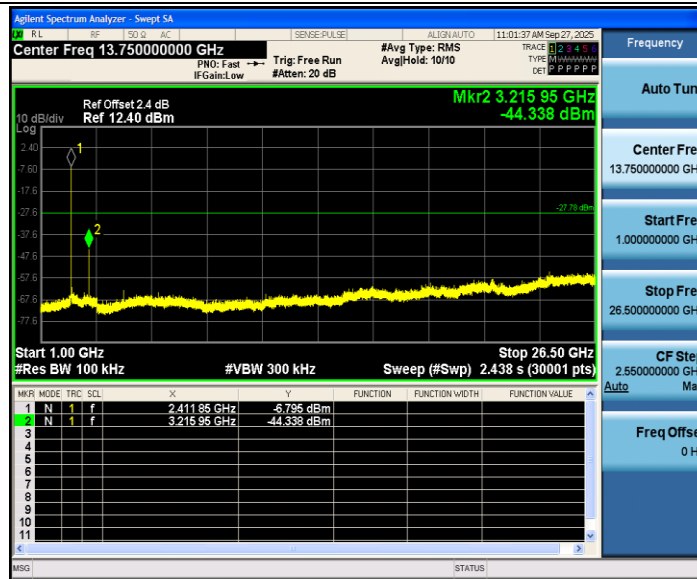
11B_Ant1_2412_0~Reference



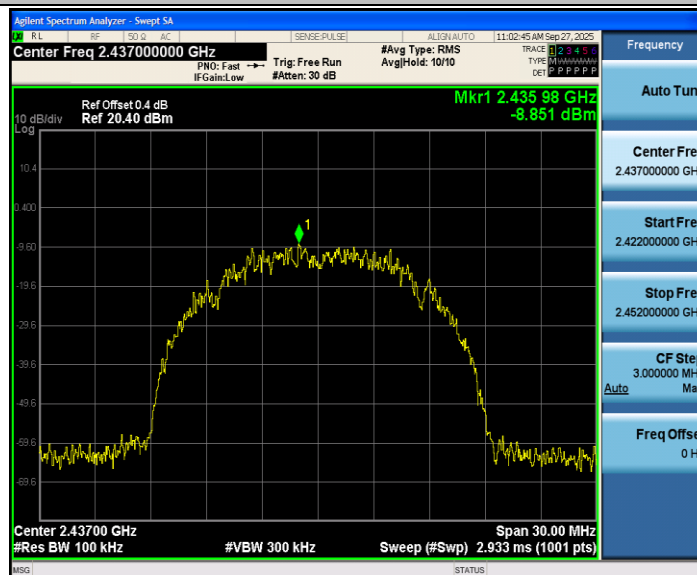
11B_Ant1_2412_30~1000



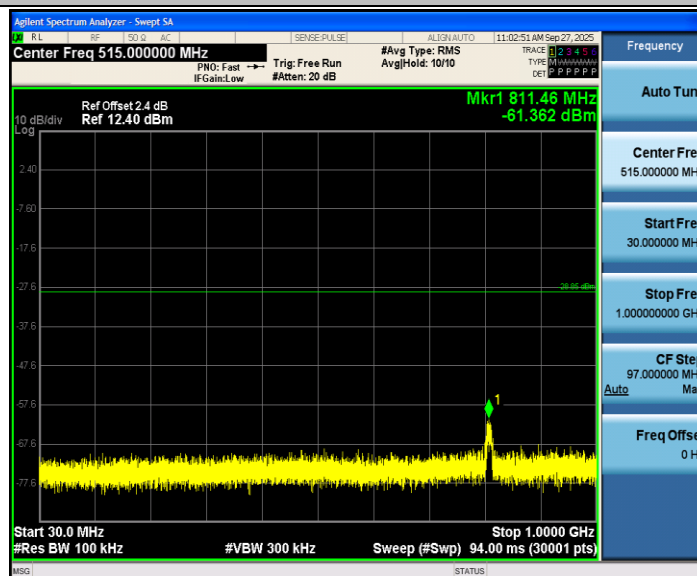
11B_Ant1_2412_1000~26500



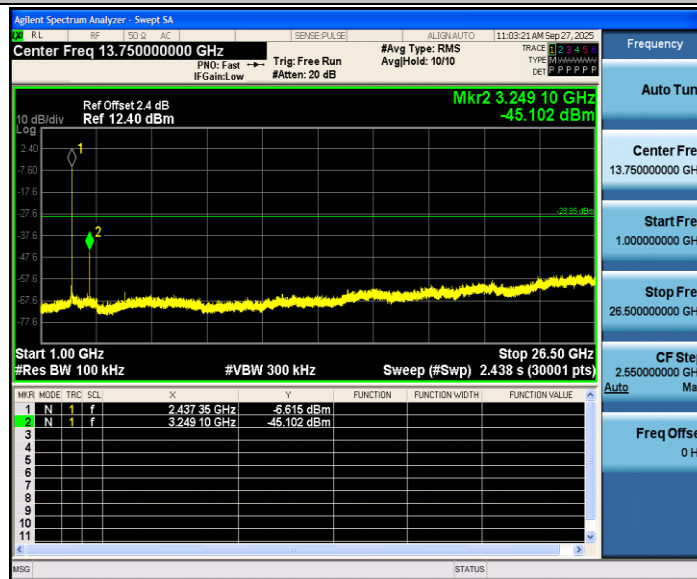
11B_Ant1_2437_0~Reference



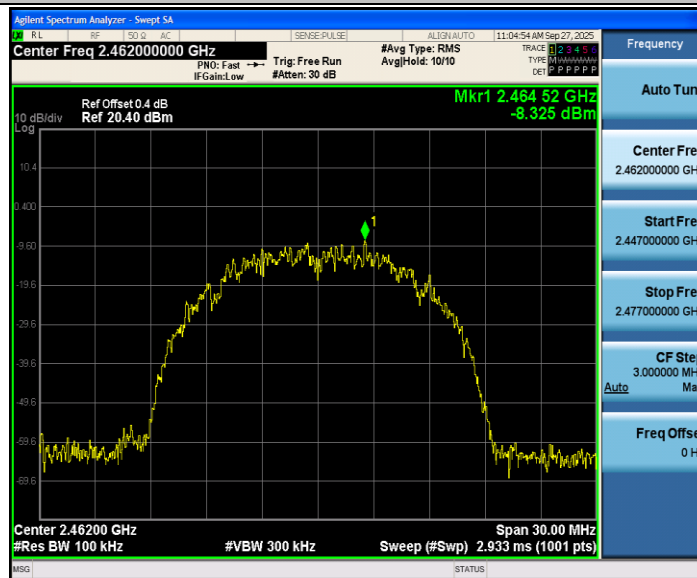
11B_Ant1_2437_30~1000



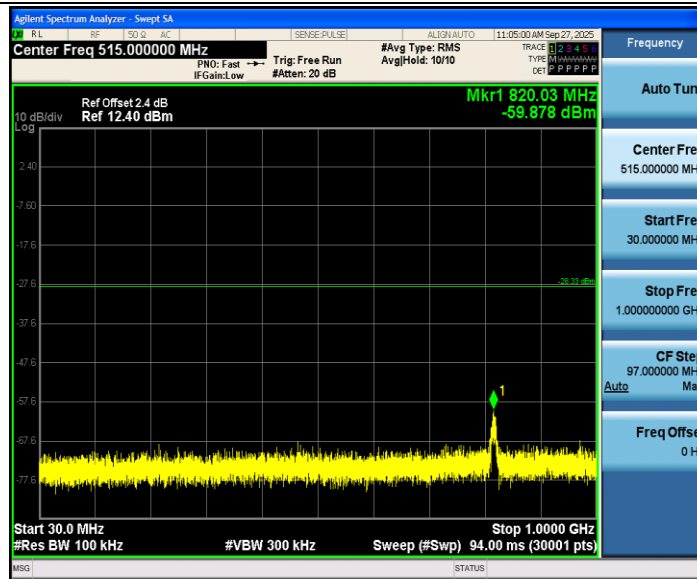
11B_Ant1_2437_1000~26500



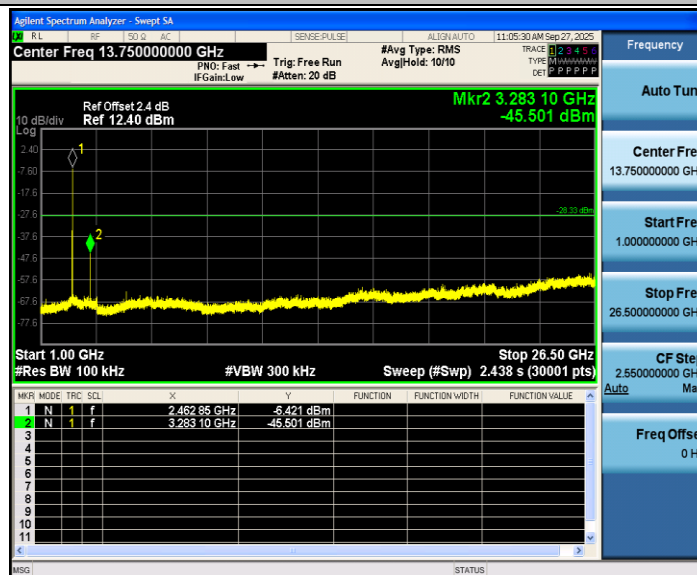
11B_Ant1_2462_0~Reference



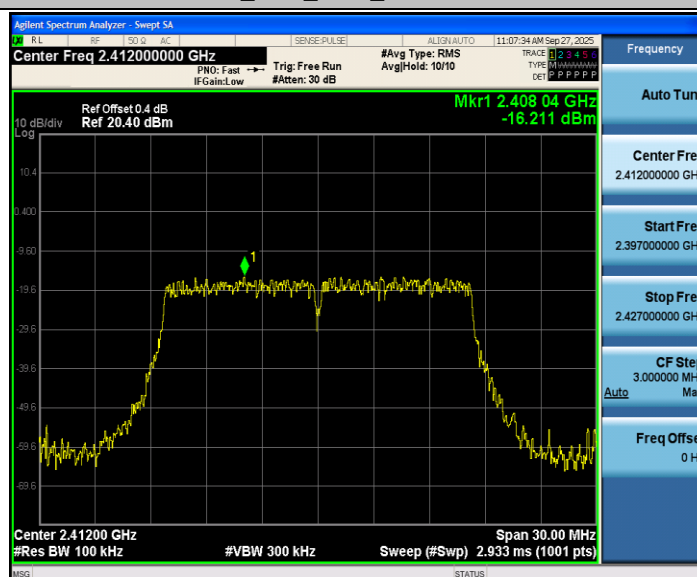
11B_Ant1_2462_30~1000



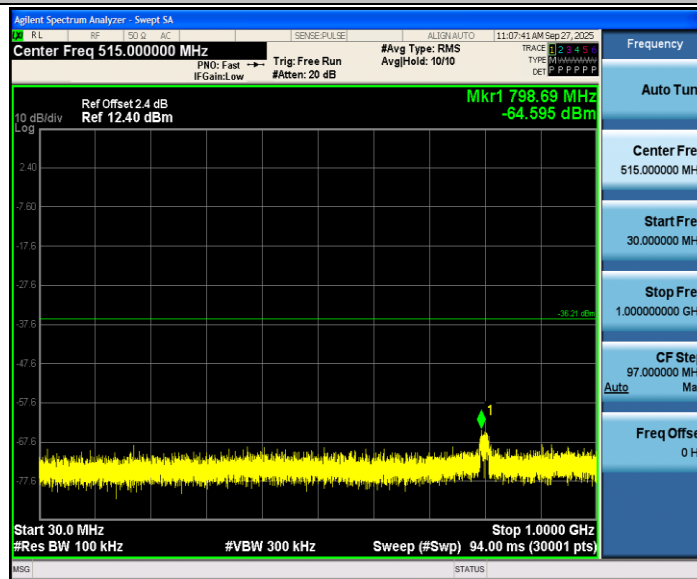
11B_Ant1_2462_1000~26500



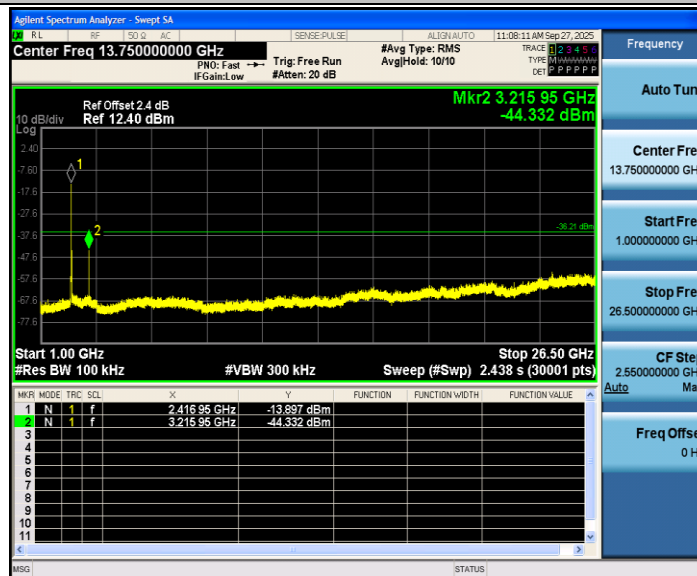
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



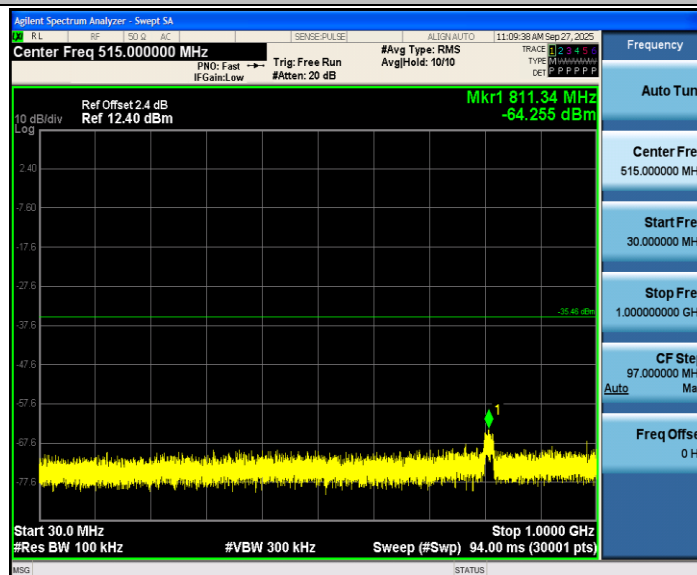
11G_Ant1_2412_1000~26500



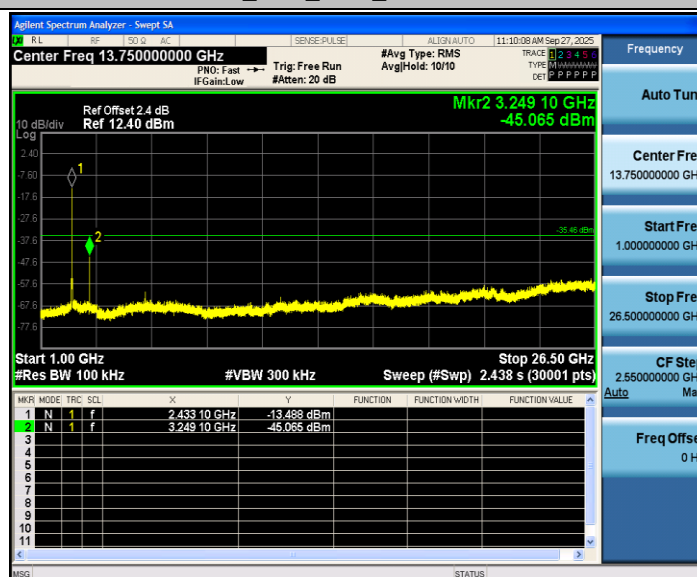
11G_Ant1_2437_0~Reference



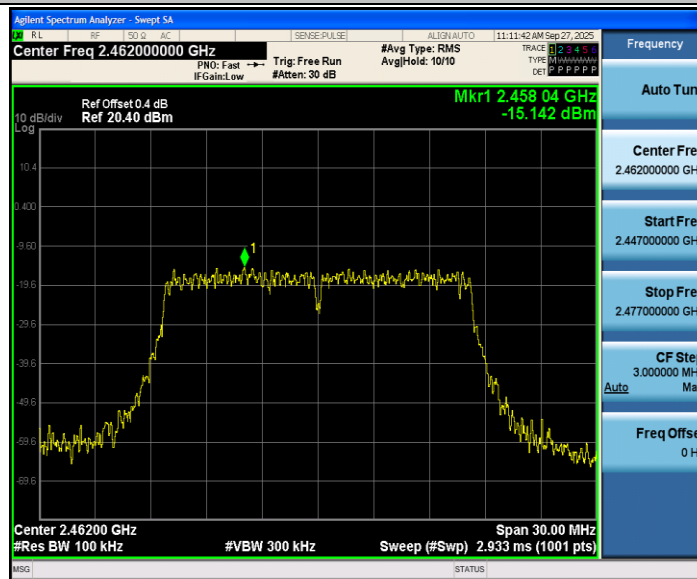
11G_Ant1_2437_30~1000



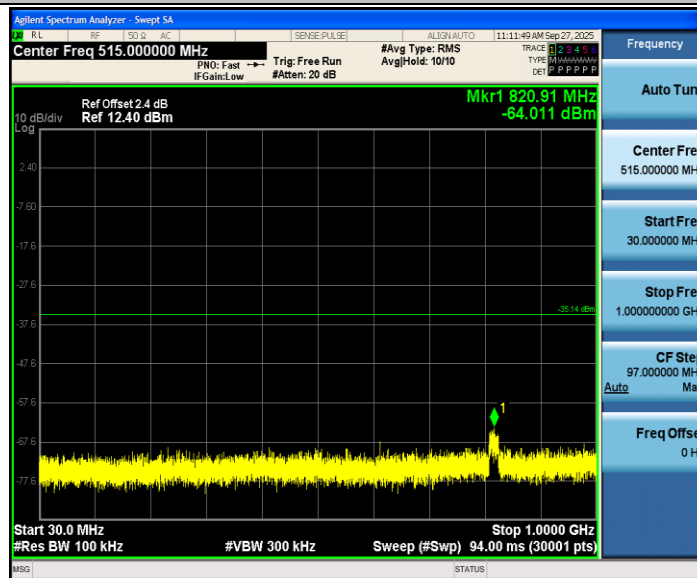
11G_Ant1_2437_1000~26500



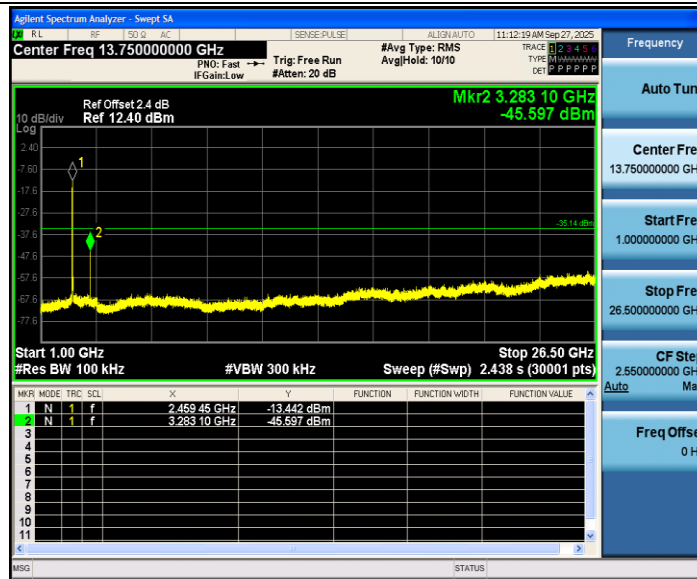
11G_Ant1_2462_0~Reference



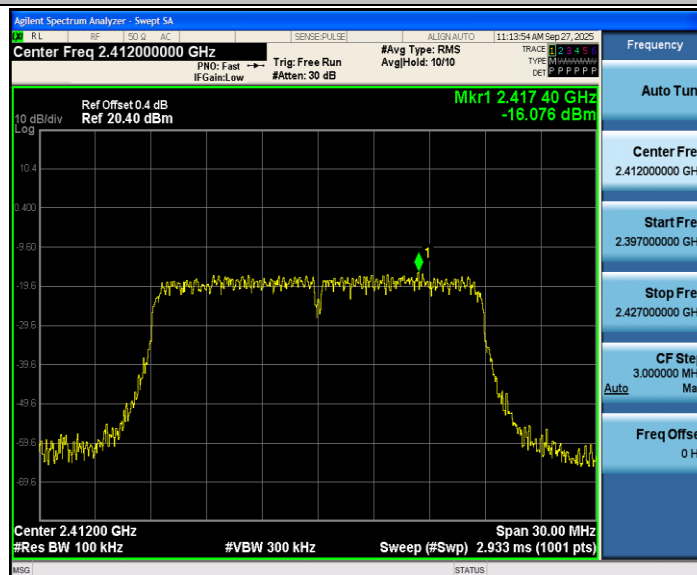
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

