

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2A3XN-SCORE8T

Company : Keefe Group

EUT : Tablet PC

Model Number : SCORE 814

Report No. : CTA26070300303

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	8.120	2407.920	2416.040	0.5	PASS
		2437	8.160	2432.920	2441.080	0.5	PASS
		2462	8.040	2457.920	2465.960	0.5	PASS
11G	Ant1	2412	15.800	2403.960	2419.760	0.5	PASS
		2437	16.160	2429.000	2445.160	0.5	PASS
		2462	16.080	2453.840	2469.920	0.5	PASS
11N20SISO	Ant1	2412	16.200	2403.880	2420.080	0.5	PASS
		2437	16.280	2428.840	2445.120	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N40SISO	Ant1	2422	36.160	2403.840	2440.000	0.5	PASS
		2437	35.600	2419.560	2455.160	0.5	PASS
		2452	32.960	2436.400	2469.360	0.5	PASS

Test Graphs

11B_Ant1_2412



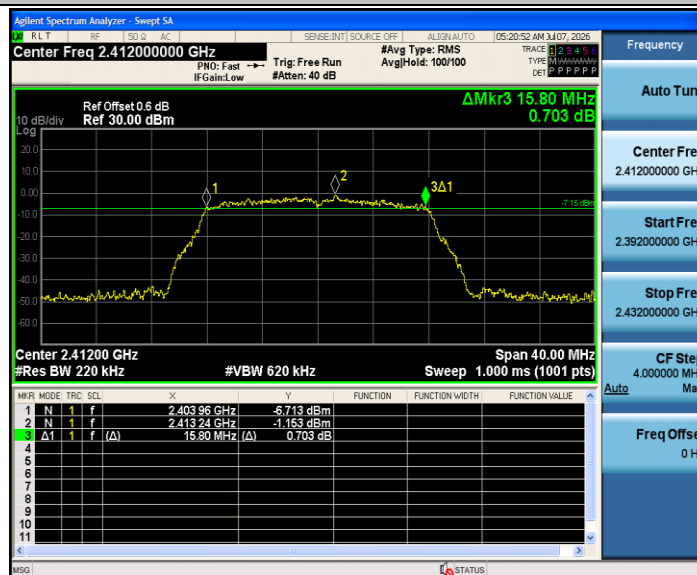
11B_Ant1_2437



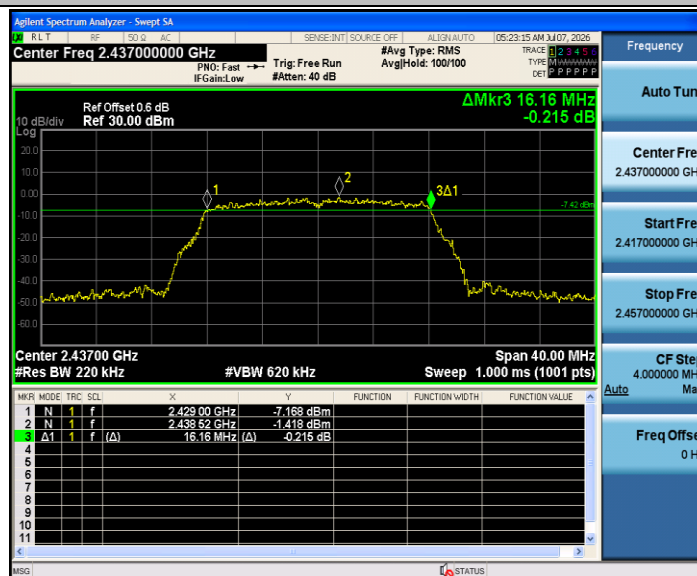
11B_Ant1_2462



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



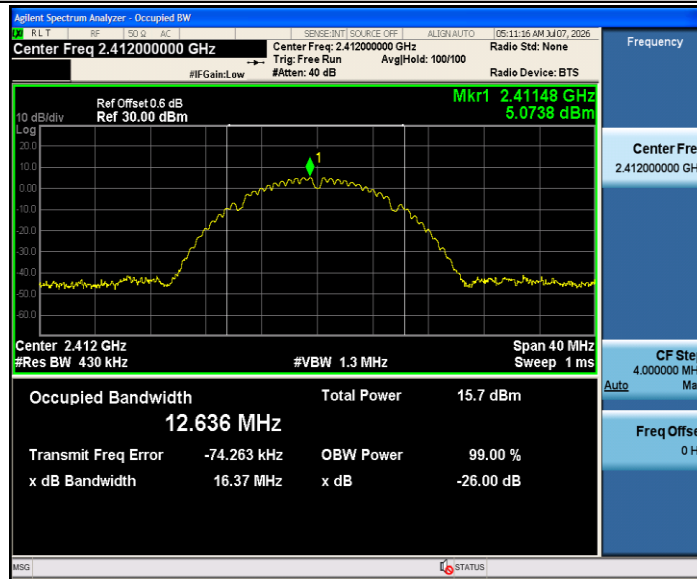
Appendix B: Occupied Channel Bandwidth

Test Result

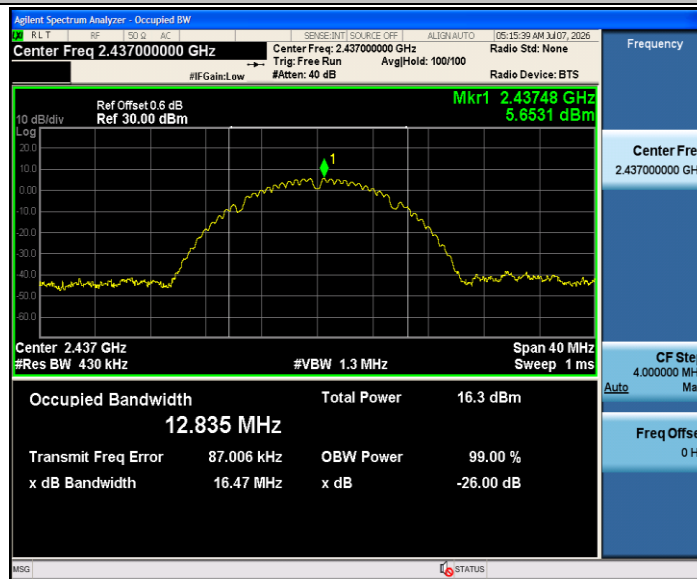
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.636	2405.6077	2418.2437	---	---
		2437	12.835	2430.6695	2443.5045	---	---
		2462	12.671	2455.5156	2468.1866	---	---
11G	Ant1	2412	16.742	2403.5470	2420.2890	---	---
		2437	16.767	2428.6699	2445.4369	---	---
		2462	16.725	2453.5149	2470.2399	---	---
11N20SISO	Ant1	2412	16.536	2403.6900	2420.2260	---	---
		2437	16.713	2428.6776	2445.3906	---	---
		2462	16.643	2453.5903	2470.2333	---	---
11N40SISO	Ant1	2422	36.322	2403.8737	2440.1957	---	---
		2437	36.479	2418.8684	2455.3474	---	---
		2452	35.955	2434.0814	2470.0364	---	---

Test Graphs

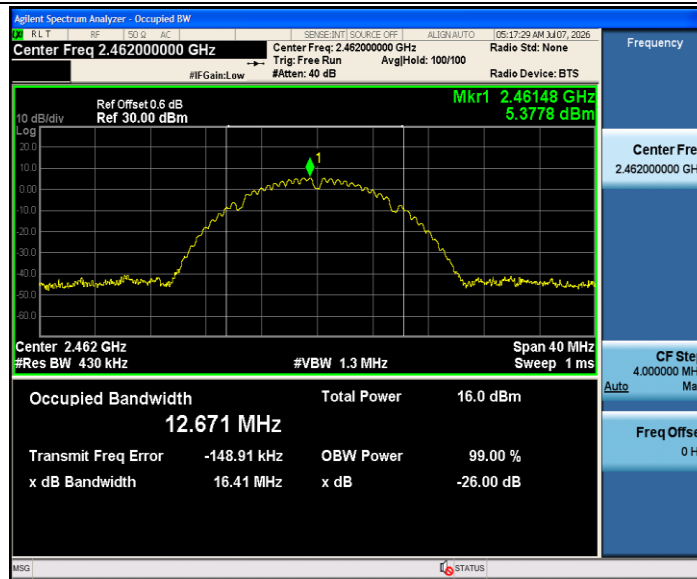
11B_Ant1_2412



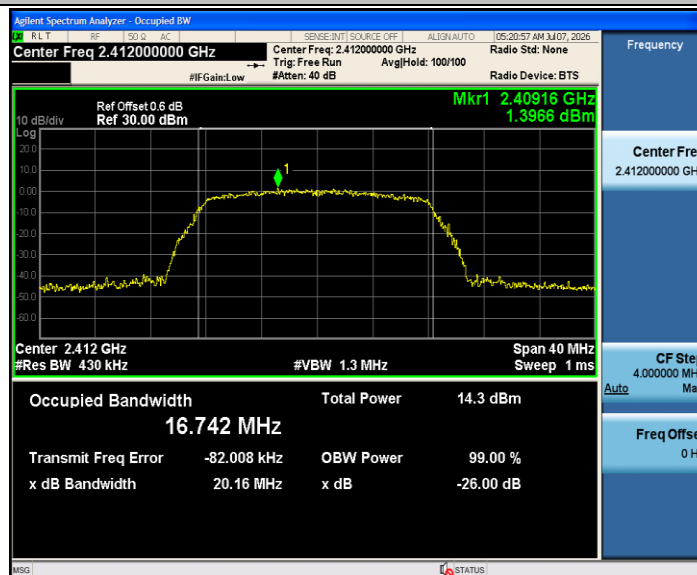
11B_Ant1_2437



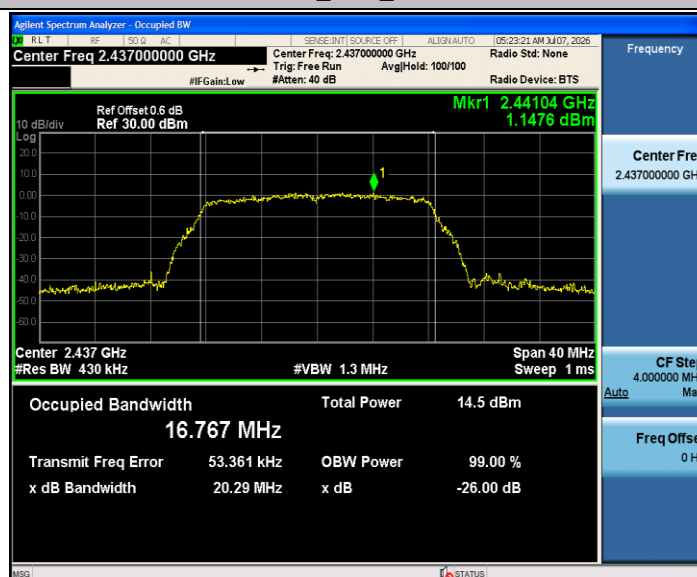
11B_Ant1_2462



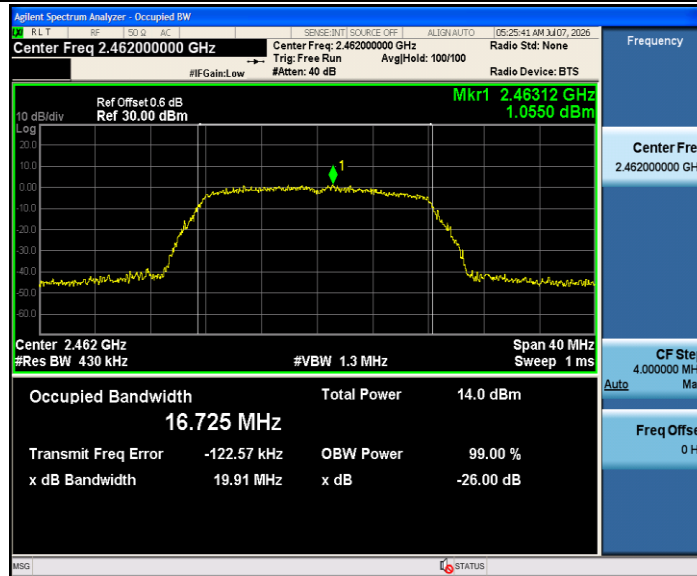
11G_Ant1_2412



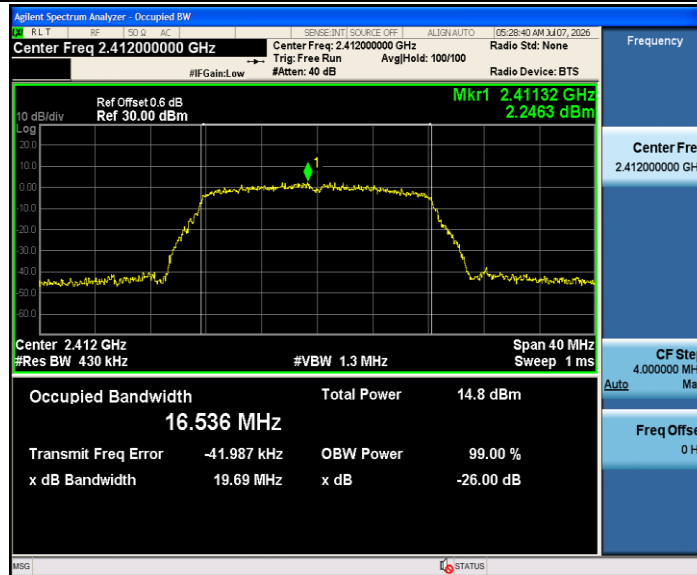
11G_Ant1_2437



11G_Ant1_2462



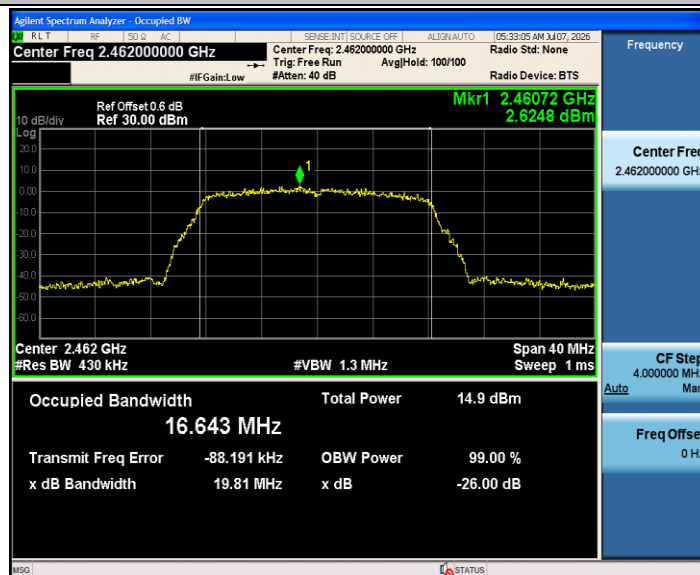
11N20SISO_Ant1_2412



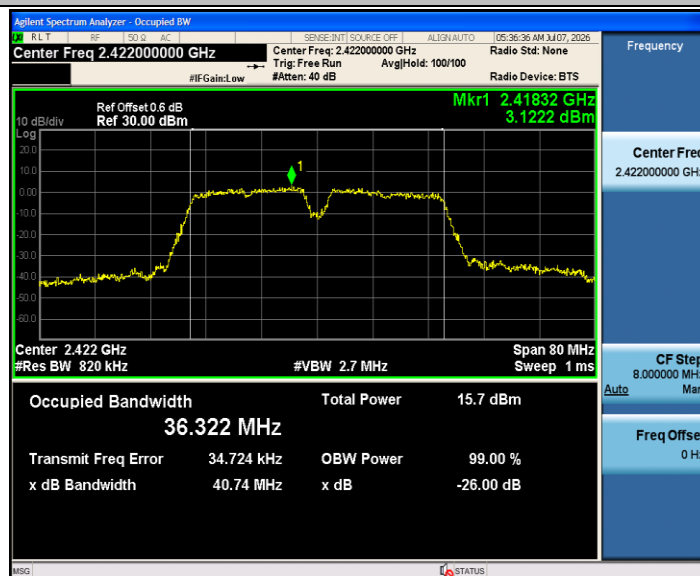
11N20SISO_Ant1_2437



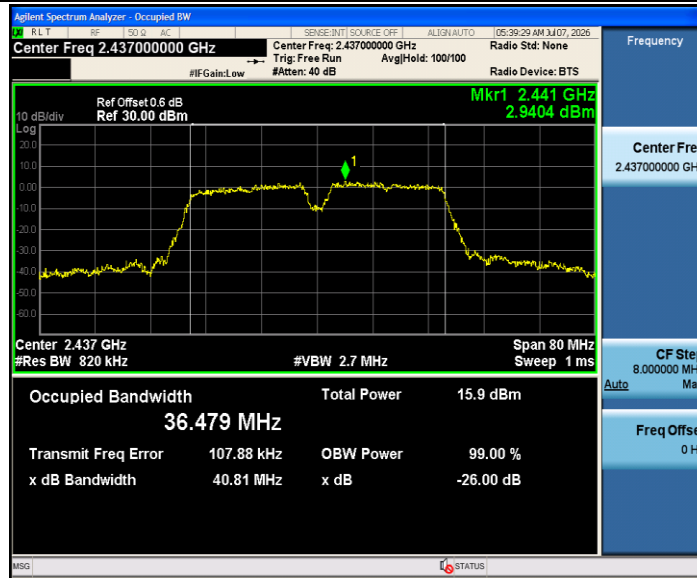
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[M Hz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.21	≤30.00	PASS
		2437	15.80	≤30.00	PASS
		2462	15.44	≤30.00	PASS
11G	Ant1	2412	15.29	≤30.00	PASS
		2437	15.53	≤30.00	PASS
		2462	14.93	≤30.00	PASS
11N20SISO	Ant1	2412	15.65	≤30.00	PASS
		2437	15.71	≤30.00	PASS
		2462	15.64	≤30.00	PASS
11N40SISO	Ant1	2422	15.23	≤30.00	PASS
		2437	15.48	≤30.00	PASS
		2452	15.76	≤30.00	PASS

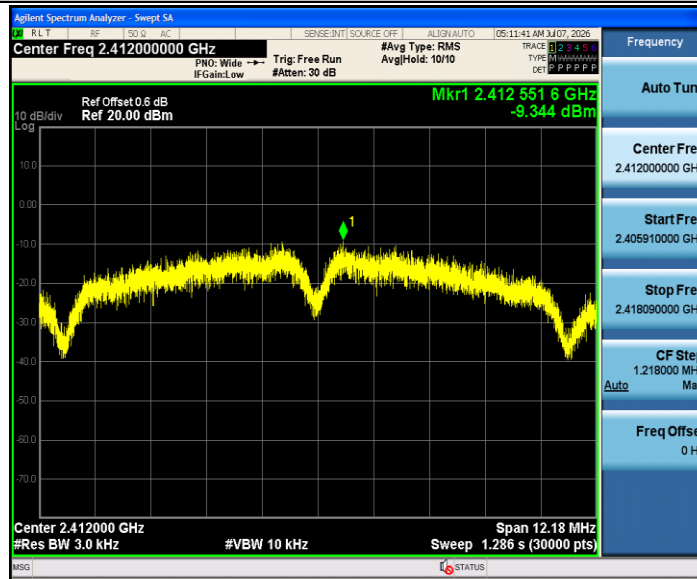
Appendix D: Maximum power spectral density

Test Result

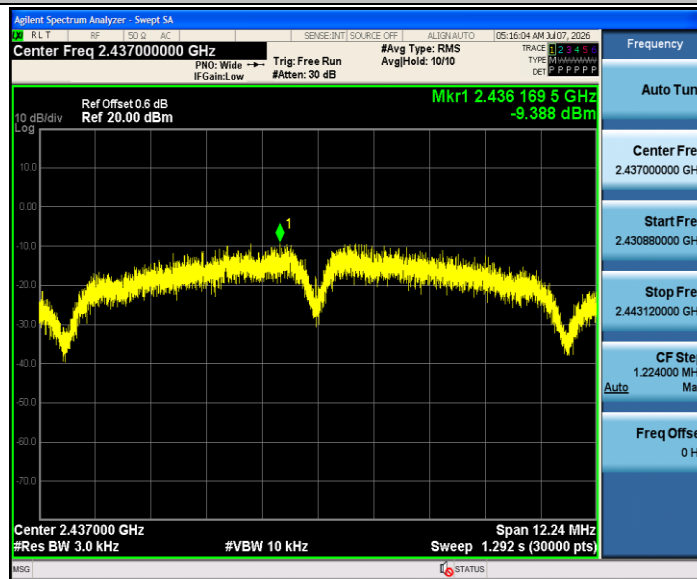
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.34	≤8.00	PASS
		2437	-9.39	≤8.00	PASS
		2462	-8.55	≤8.00	PASS
11G	Ant1	2412	-15.47	≤8.00	PASS
		2437	-16.55	≤8.00	PASS
		2462	-15.90	≤8.00	PASS
11N20SISO	Ant1	2412	-17.11	≤8.00	PASS
		2437	-16.65	≤8.00	PASS
		2462	-16.70	≤8.00	PASS
11N40SISO	Ant1	2422	-18.59	≤8.00	PASS
		2437	-18.65	≤8.00	PASS
		2452	-17.62	≤8.00	PASS

Test Graphs

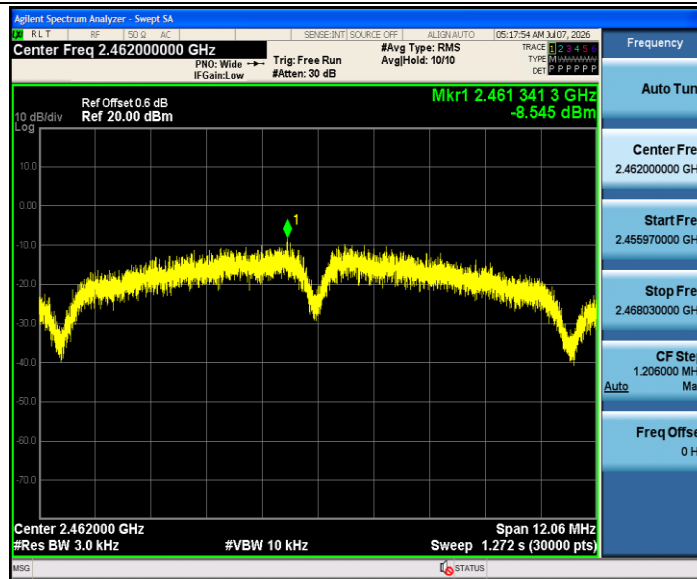
11B_Ant1_2412



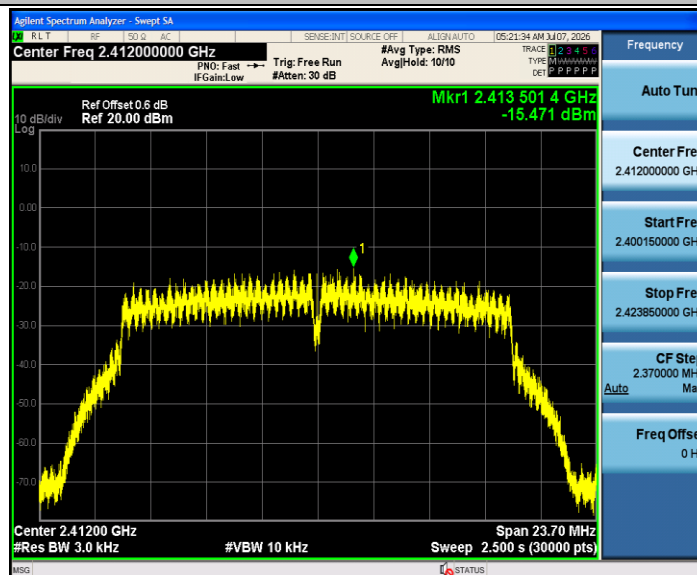
11B_Ant1_2437



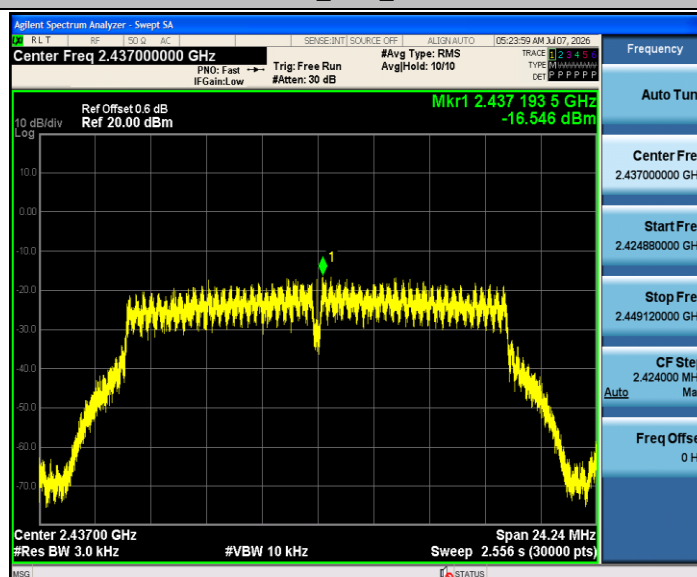
11B_Ant1_2462



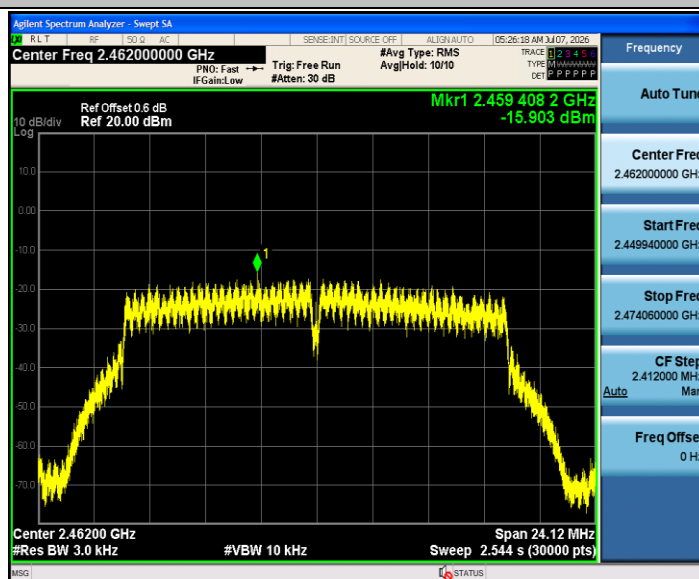
11G_Ant1_2412



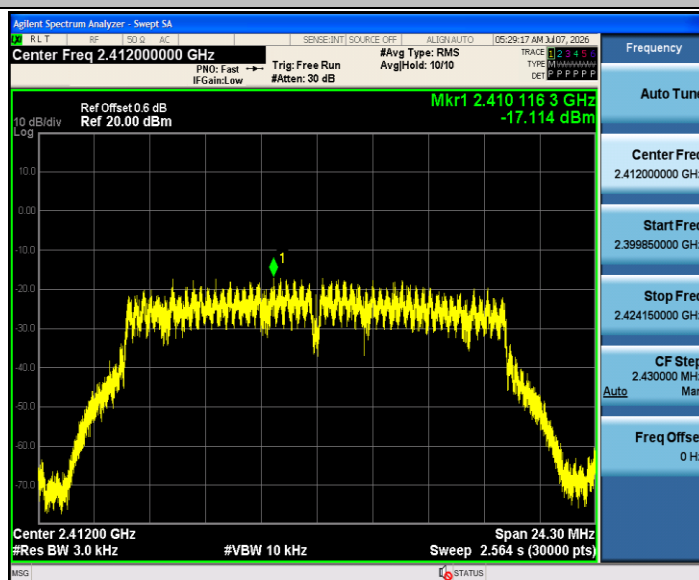
11G_Ant1_2437



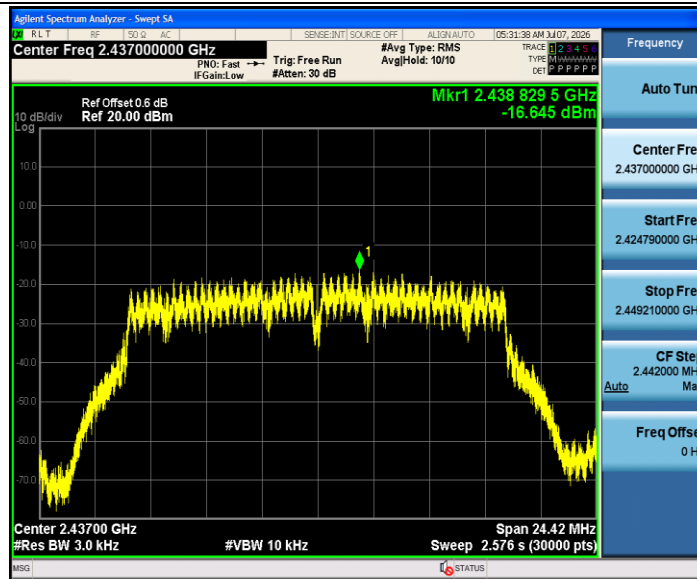
11G_Ant1_2462



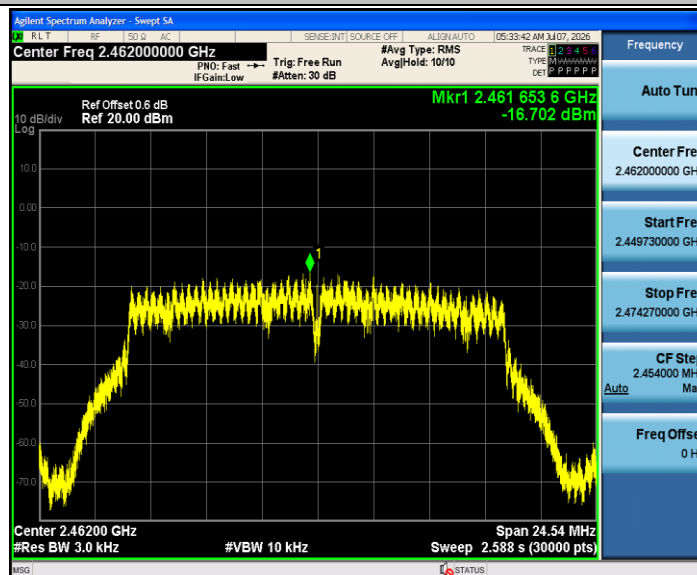
11N20SISO_Ant1_2412



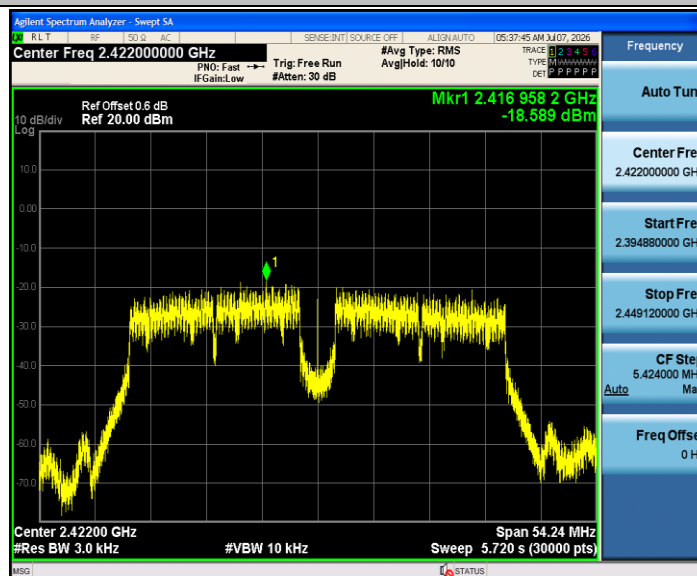
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



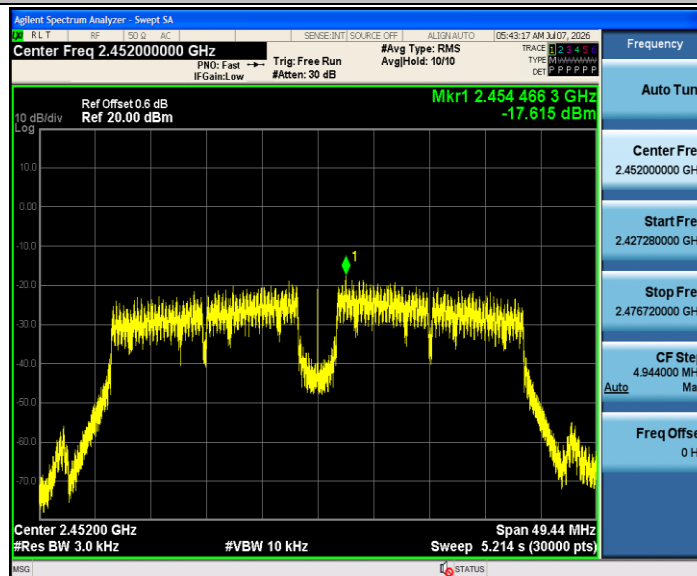
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



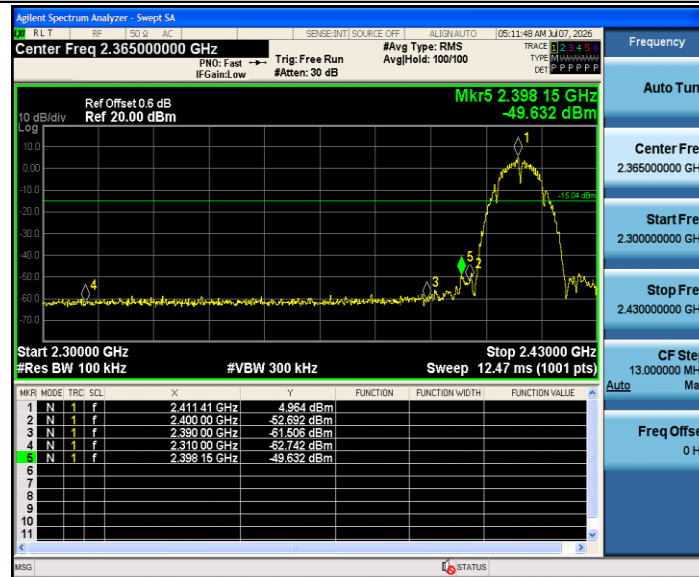
Appendix E: Band edge measurements

Test Result

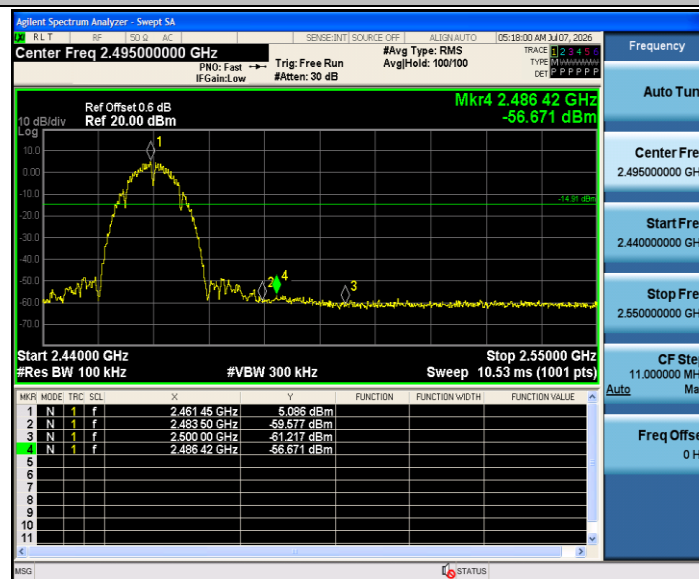
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.96	-49.63	≤-15.04	PASS
		High	2462	5.09	-56.67	≤-14.91	PASS
11G	Ant1	Low	2412	-2.20	-46.44	≤-22.2	PASS
		High	2462	-2.49	-56.44	≤-22.49	PASS
11N20SISO	Ant1	Low	2412	-1.63	-46.71	≤-21.63	PASS
		High	2462	-1.79	-53.78	≤-21.79	PASS
11N40SISO	Ant1	Low	2422	-4.65	-39.6	≤-24.65	PASS
		High	2452	-3.51	-44.92	≤-23.51	PASS

Test Graphs

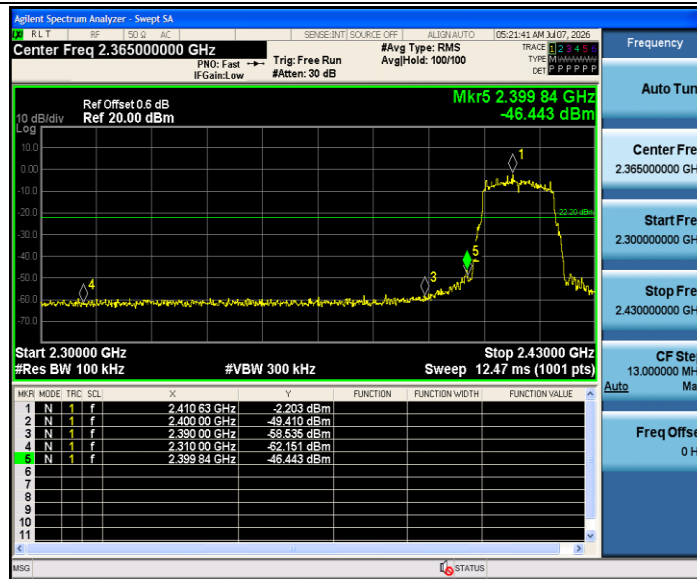
11B_Ant1_Low_2412



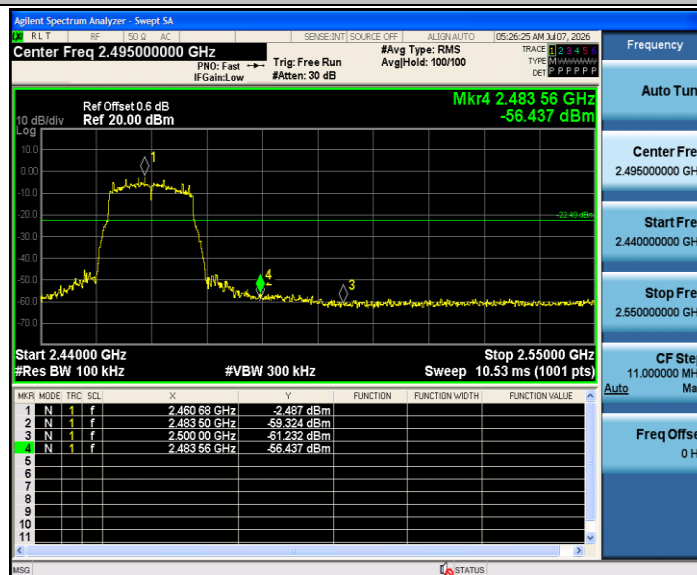
11B_Ant1_High_2462



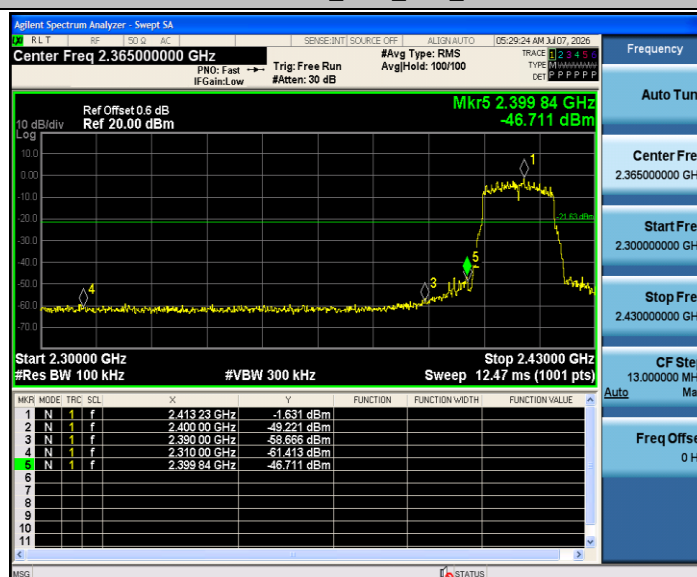
11G_Ant1_Low_2412



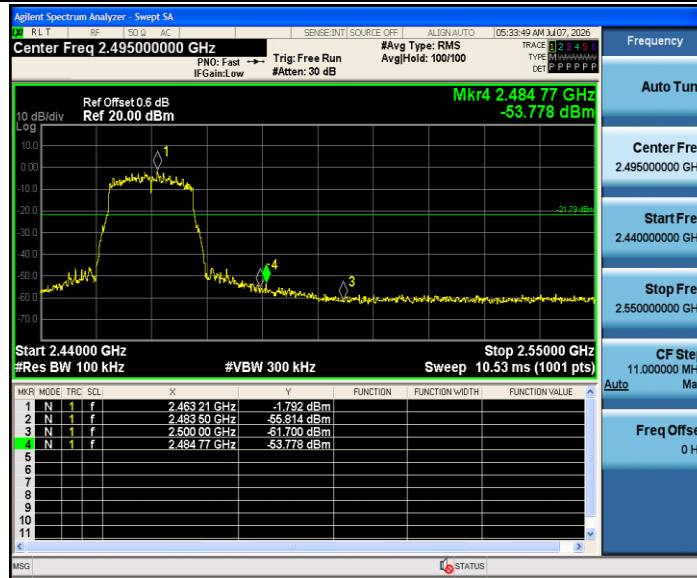
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



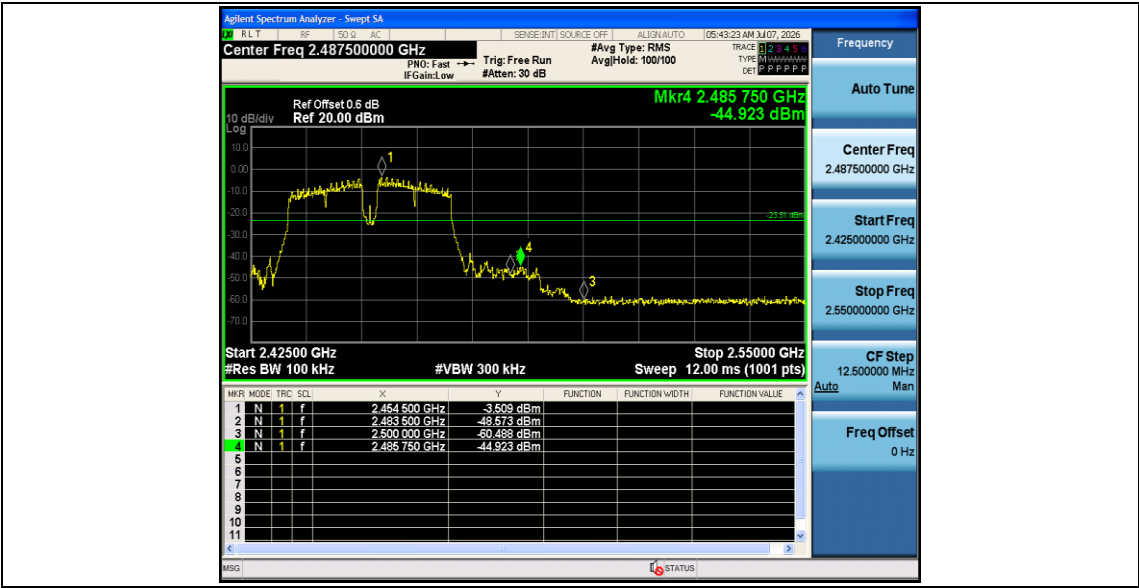
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

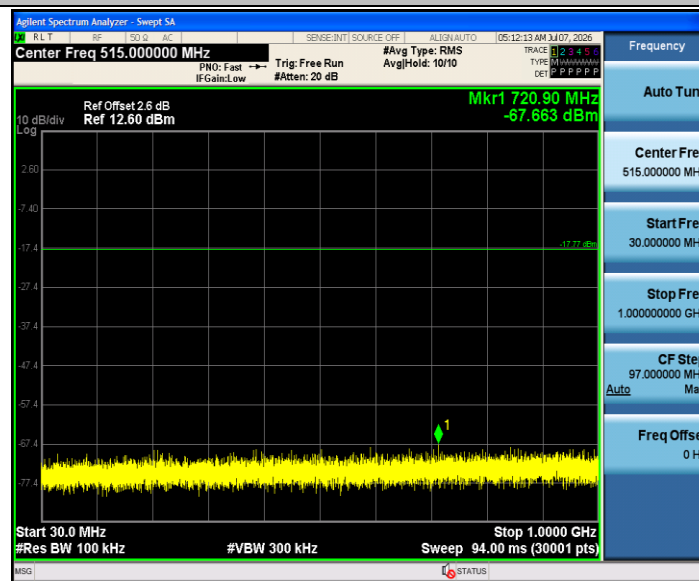
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.23	2.23	---	PASS
			30~1000	2.23	-67.66	≤-17.77	PASS
			1000~26500	2.23	-45.99	≤-17.77	PASS
		2437	Reference	3.31	3.31	---	PASS
			30~1000	3.31	-68.35	≤-16.69	PASS
			1000~26500	3.31	-46.05	≤-16.69	PASS
		2462	Reference	3.68	3.68	---	PASS
			30~1000	3.68	-67.99	≤-16.32	PASS
			1000~26500	3.68	-46.3	≤-16.32	PASS
11G	Ant1	2412	Reference	-5.38	-5.38	---	PASS
			30~1000	-5.38	-68.23	≤-25.38	PASS
			1000~26500	-5.38	-46.64	≤-25.38	PASS
		2437	Reference	-3.12	-3.12	---	PASS
			30~1000	-3.12	-68.35	≤-23.12	PASS
			1000~26500	-3.12	-46.38	≤-23.12	PASS
		2462	Reference	-5.55	-5.55	---	PASS
			30~1000	-5.55	-67.49	≤-25.55	PASS
			1000~26500	-5.55	-46.32	≤-25.55	PASS
11N20SISO	Ant1	2412	Reference	-2.40	-2.40	---	PASS
			30~1000	-2.40	-68.45	≤-22.4	PASS
			1000~26500	-2.40	-46.48	≤-22.4	PASS
		2437	Reference	-2.39	-2.39	---	PASS
			30~1000	-2.39	-67.53	≤-22.39	PASS
			1000~26500	-2.39	-45.97	≤-22.39	PASS
		2462	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-68.05	≤-22.11	PASS
			1000~26500	-2.11	-45.98	≤-22.11	PASS
11N40SISO	Ant1	2422	Reference	-5.01	-5.01	---	PASS
			30~1000	-5.01	-67.84	≤-25.01	PASS
			1000~26500	-5.01	-46.27	≤-25.01	PASS
		2437	Reference	-5.02	-5.02	---	PASS
			30~1000	-5.02	-68.14	≤-25.02	PASS
			1000~26500	-5.02	-46.94	≤-25.02	PASS
		2452	Reference	-4.76	-4.76	---	PASS
			30~1000	-4.76	-68.36	≤-24.76	PASS
			1000~26500	-4.76	-46.24	≤-24.76	PASS

Test Graphs

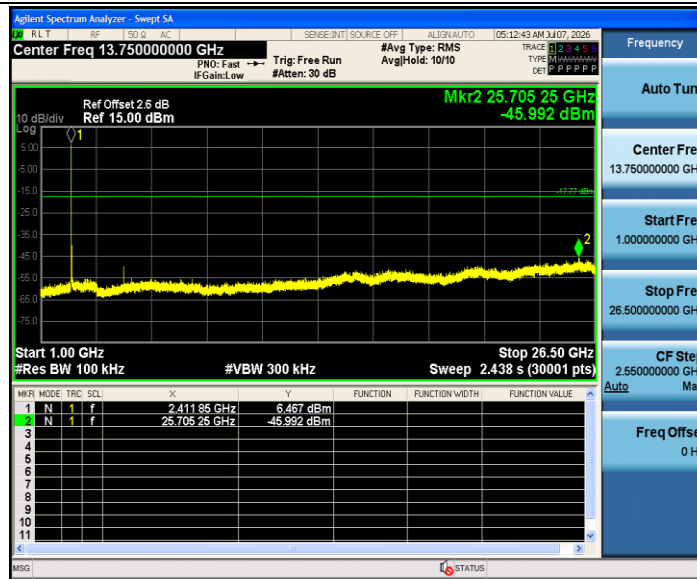
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



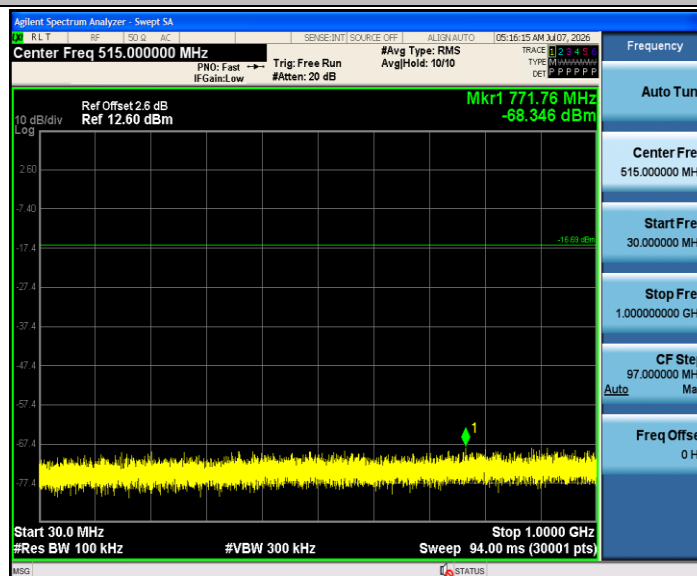
11B_Ant1_2412_1000~26500



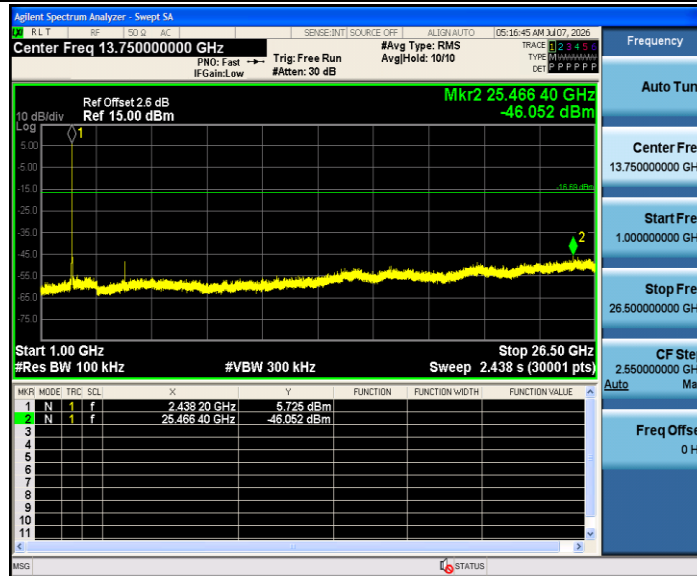
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



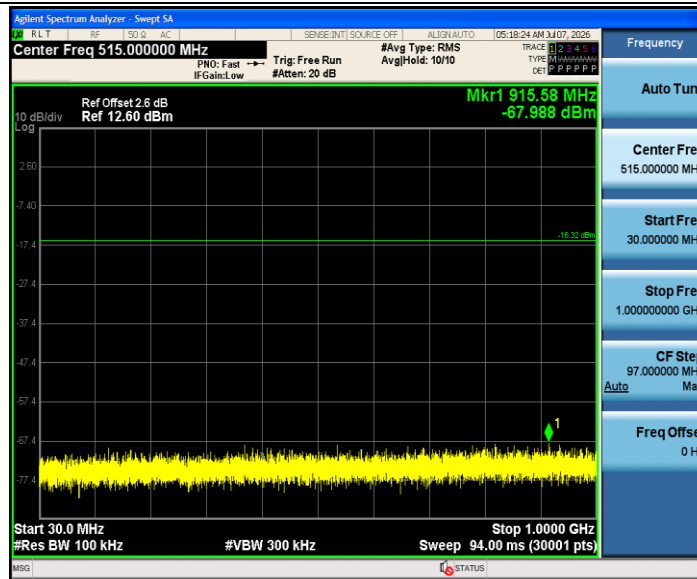
11B_Ant1_2437_1000~26500



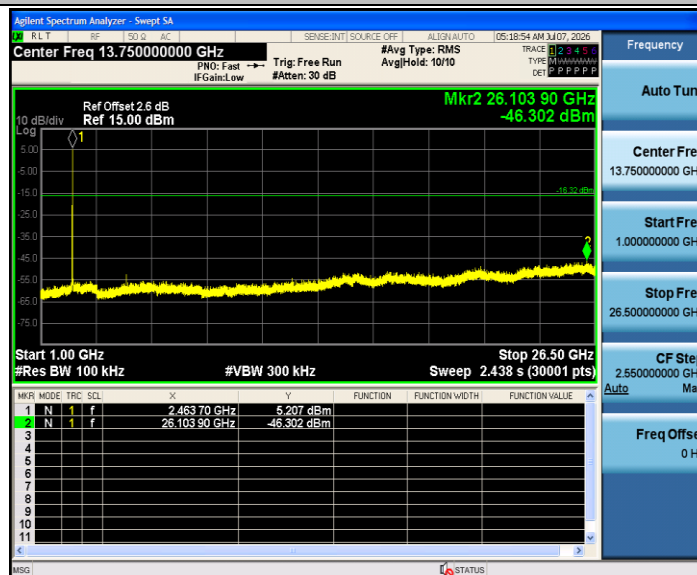
11B_Ant1_2462_0~Reference



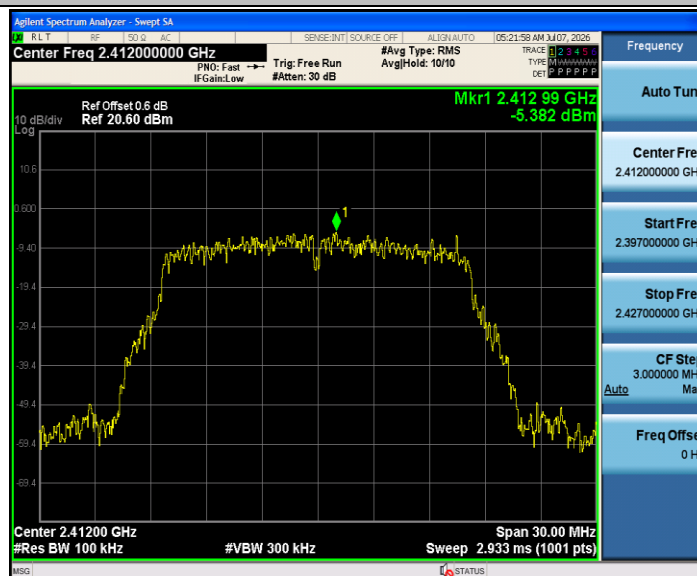
11B_Ant1_2462_30~1000



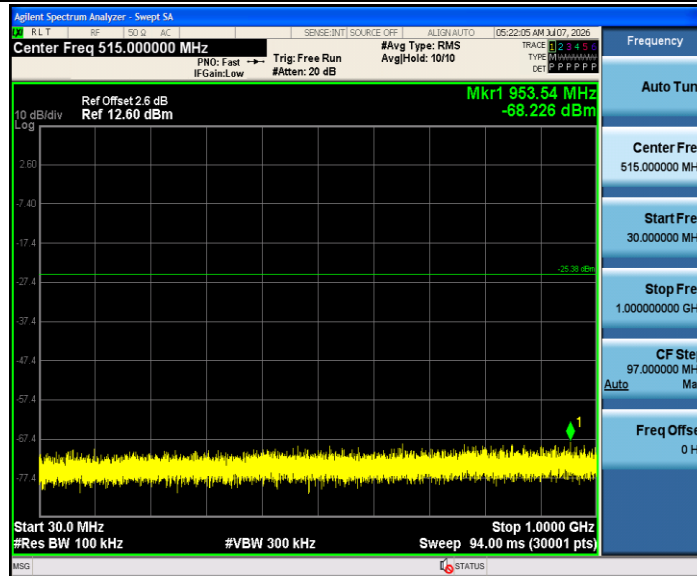
11B_Ant1_2462_1000~26500



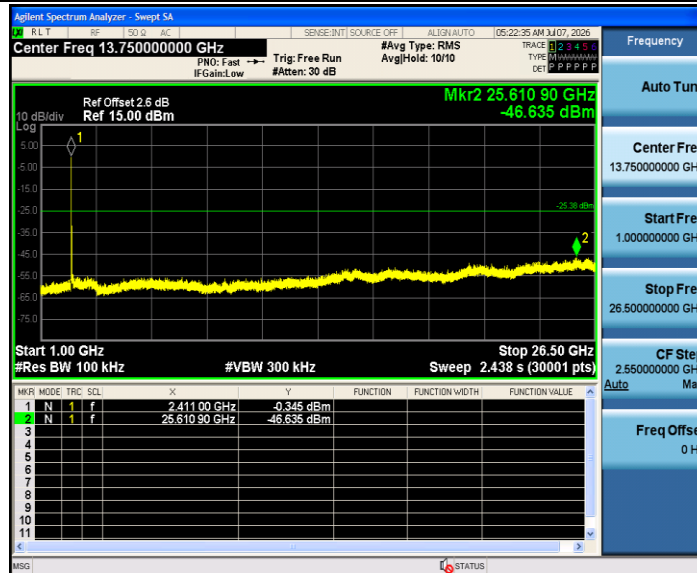
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



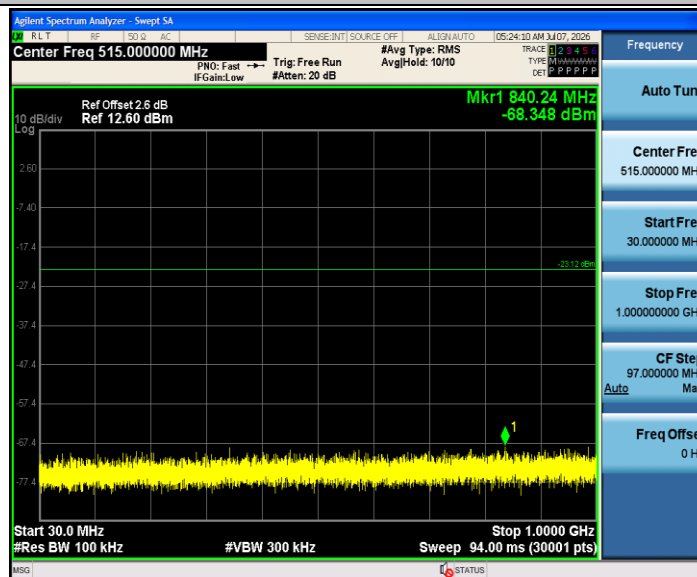
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

