

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2AJU8-RG34XXSP

Company : Shenzhen Yangliming Electronic Technology Co., Ltd.

EUT : Handheld Game Console

Model Number : RG 34XXSP

Report No. : CTA26060900902

Reviewed By : Eric Wang

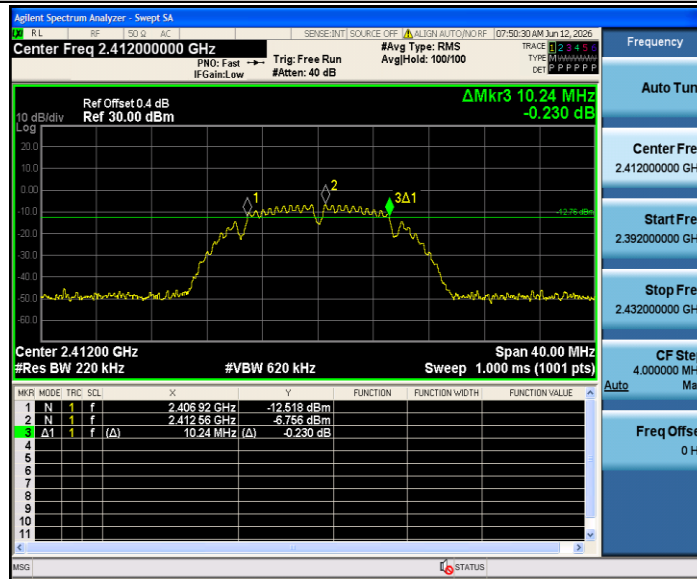
Appendix A: DTS Bandwidth

Test Result

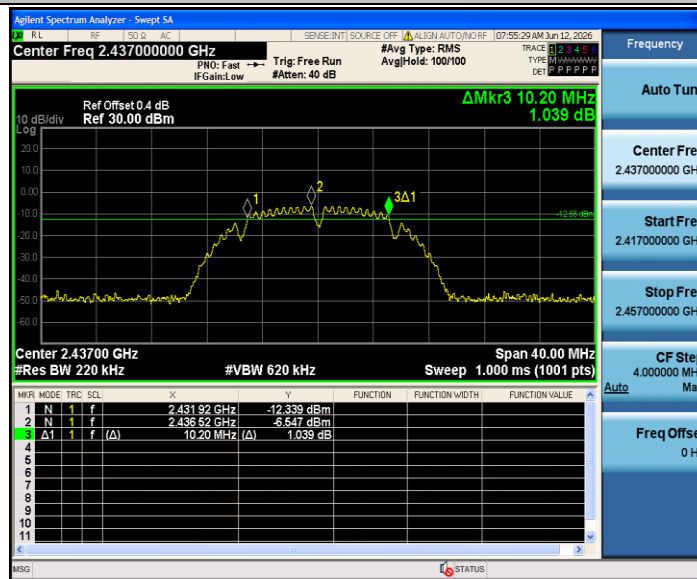
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.200	2456.960	2467.160	0.5	PASS
11G	Ant1	2412	15.880	2404.000	2419.880	0.5	PASS
		2437	15.600	2429.080	2444.680	0.5	PASS
		2462	15.680	2454.040	2469.720	0.5	PASS
11N20SISO	Ant1	2412	16.800	2403.680	2420.480	0.5	PASS
		2437	16.320	2429.120	2445.440	0.5	PASS
		2462	16.080	2454.320	2470.400	0.5	PASS
11N40SISO	Ant1	2422	35.840	2404.320	2440.160	0.5	PASS
		2437	35.760	2419.320	2455.080	0.5	PASS
		2452	35.360	2434.720	2470.080	0.5	PASS

Test Graphs

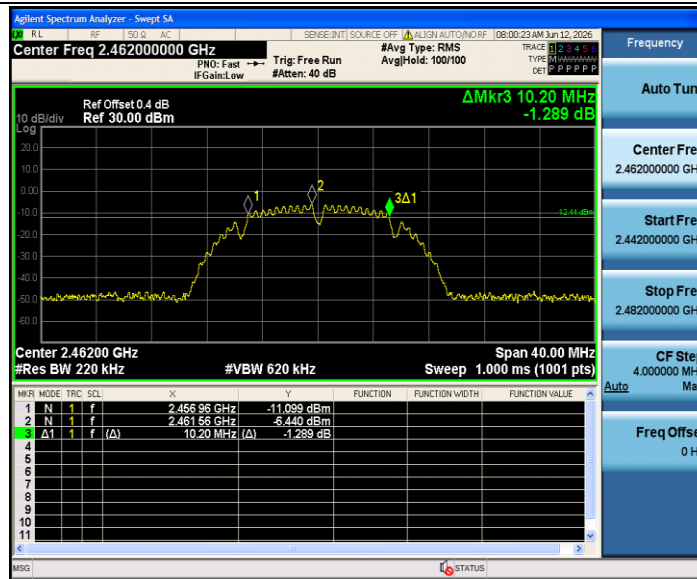
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



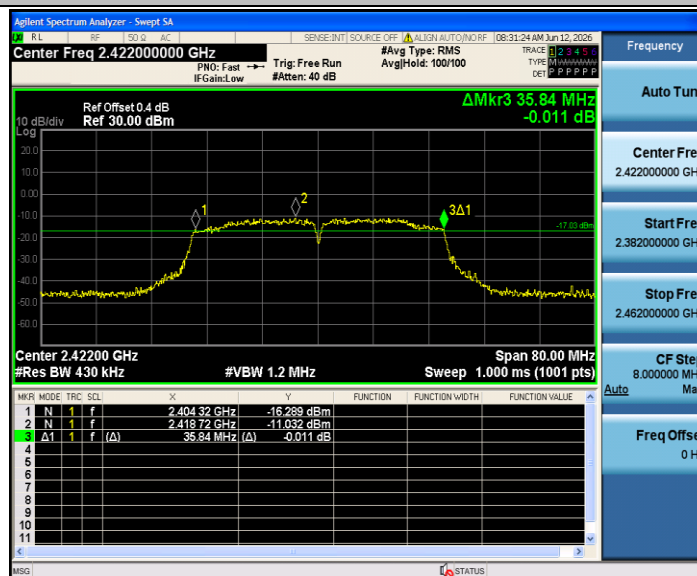
11N20SISO_Ant1_2437



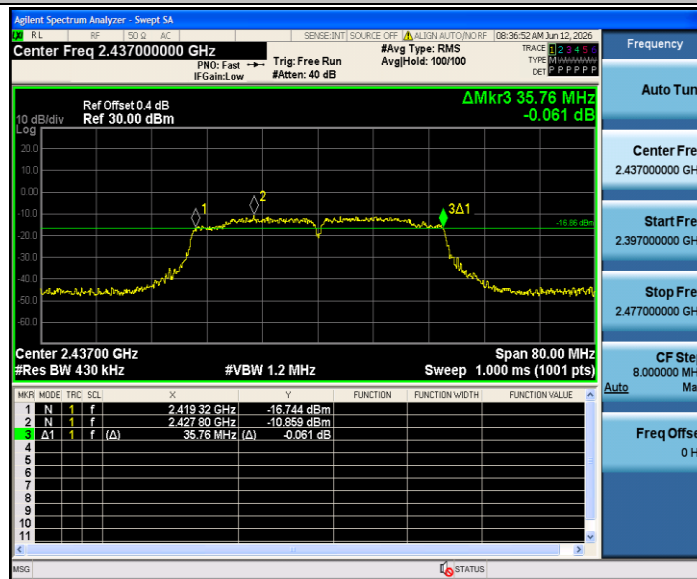
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



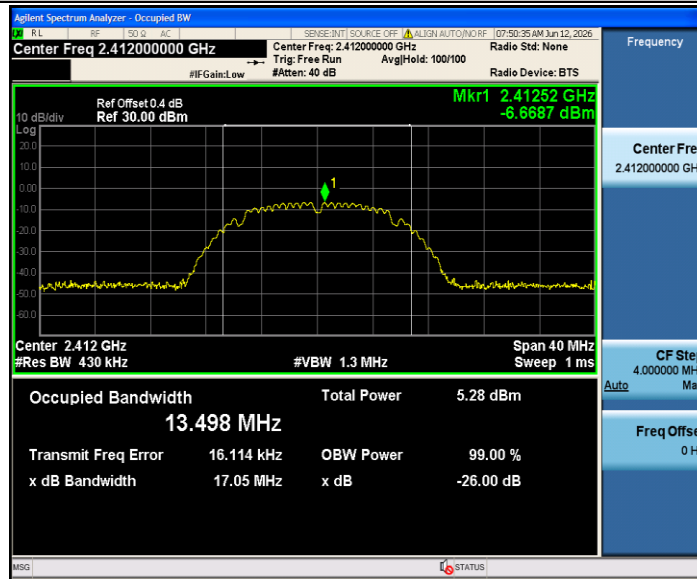
Appendix B: Occupied Channel Bandwidth

Test Result

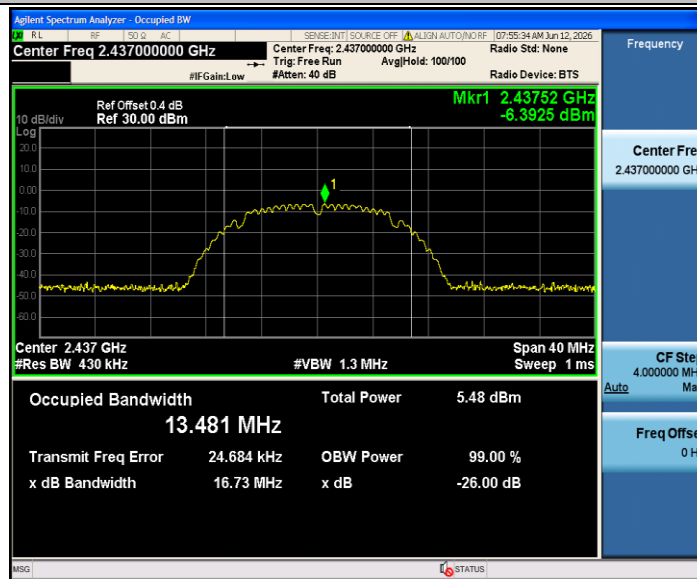
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.498	2405.2671	2418.7651	---	---
		2437	13.481	2430.2842	2443.7652	---	---
		2462	13.479	2455.2962	2468.7752	---	---
11G	Ant1	2412	16.880	2403.5920	2420.4720	---	---
		2437	16.836	2428.6165	2445.4525	---	---
		2462	16.830	2453.6648	2470.4948	---	---
11N20SISO	Ant1	2412	17.982	2403.0595	2421.0415	---	---
		2437	17.848	2428.0921	2445.9401	---	---
		2462	17.836	2453.1217	2470.9577	---	---
11N40SISO	Ant1	2422	36.089	2404.1035	2440.1925	---	---
		2437	36.136	2419.0556	2455.1916	---	---
		2452	36.104	2434.0978	2470.2018	---	---

Test Graphs

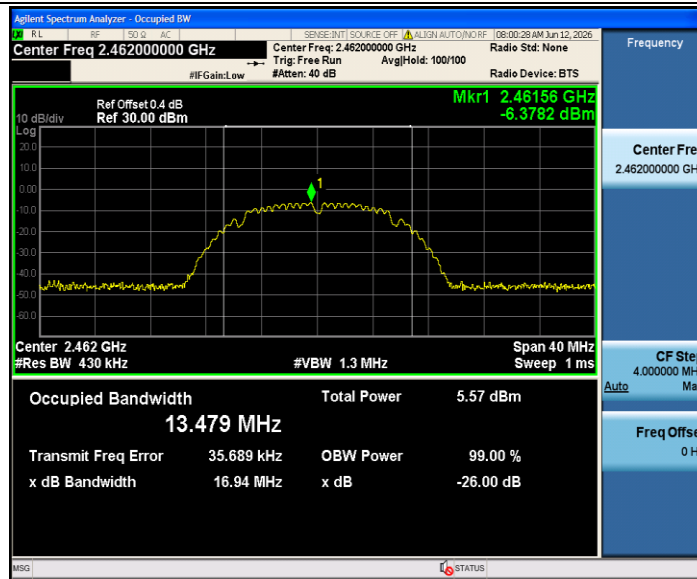
11B_Ant1_2412



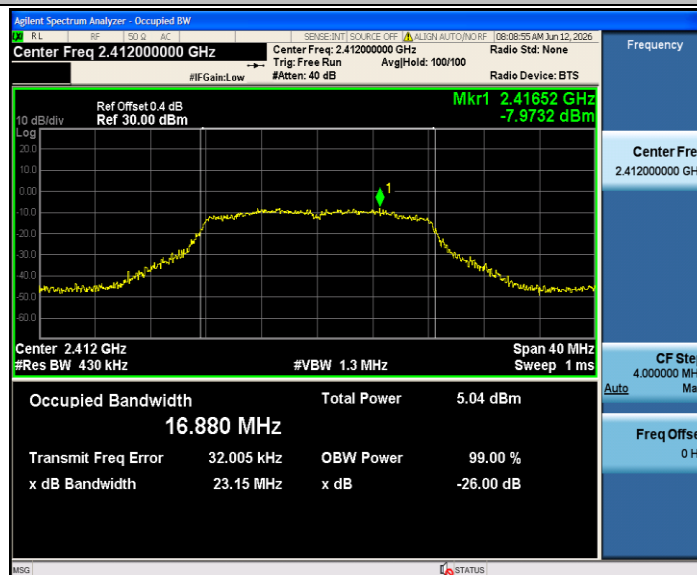
11B_Ant1_2437



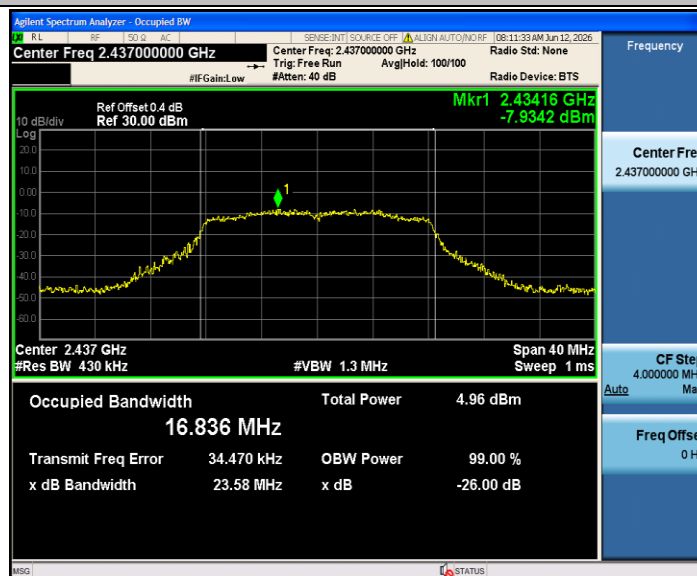
11B_Ant1_2462



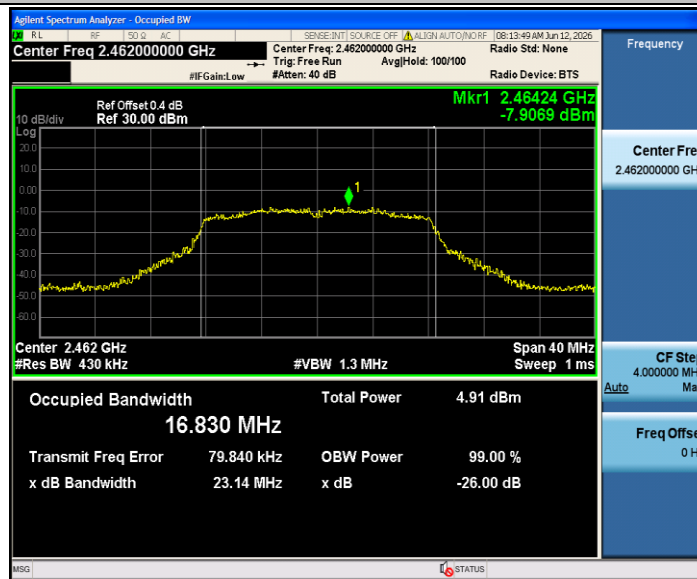
11G_Ant1_2412



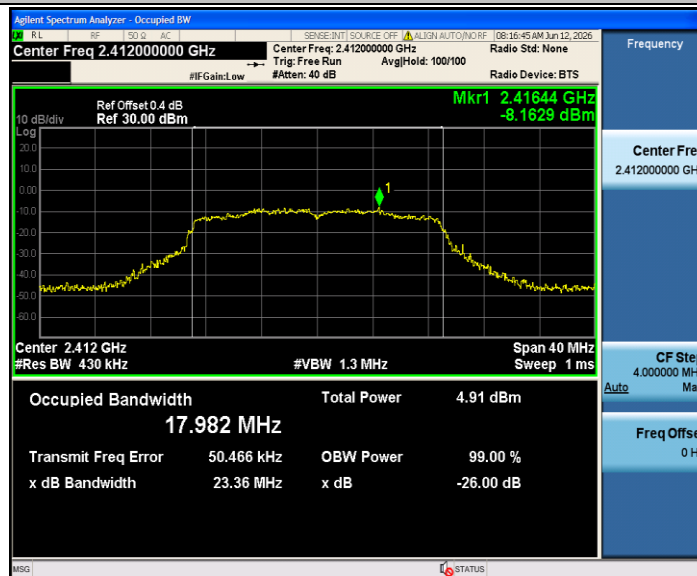
11G_Ant1_2437



11G_Ant1_2462



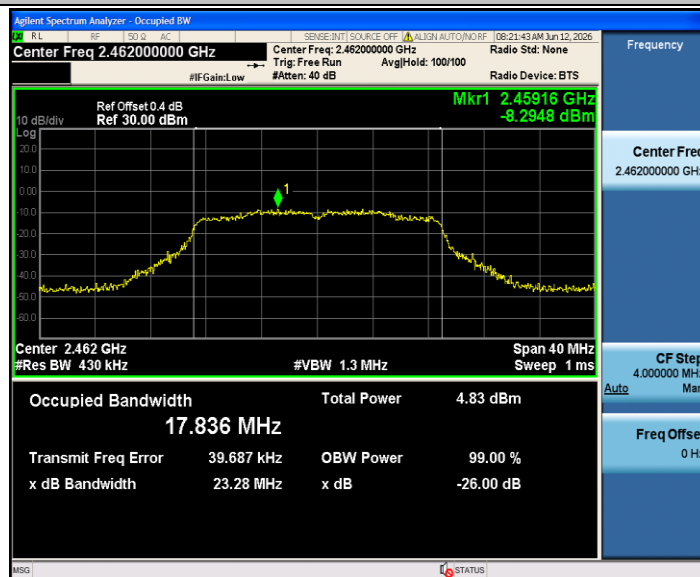
11N20SISO_Ant1_2412



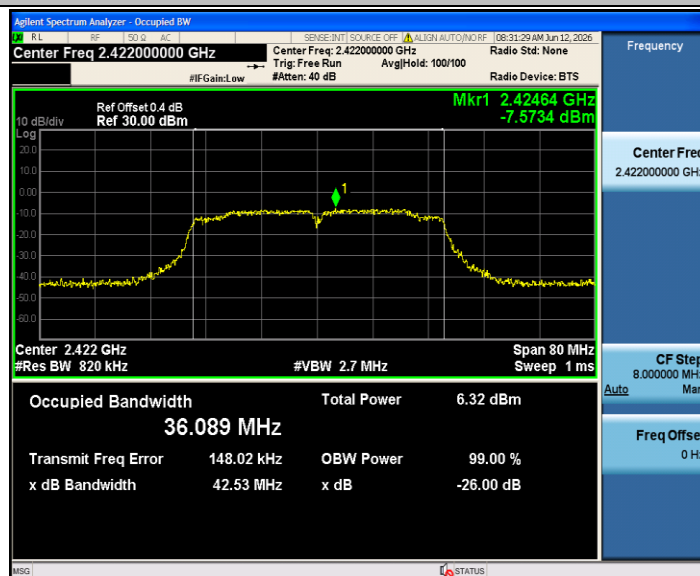
11N20SISO_Ant1_2437



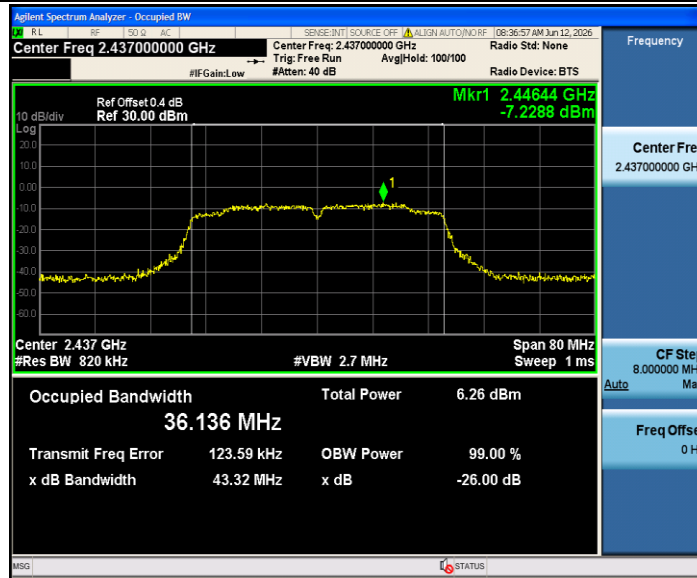
11N20SISO_Ant1_2462



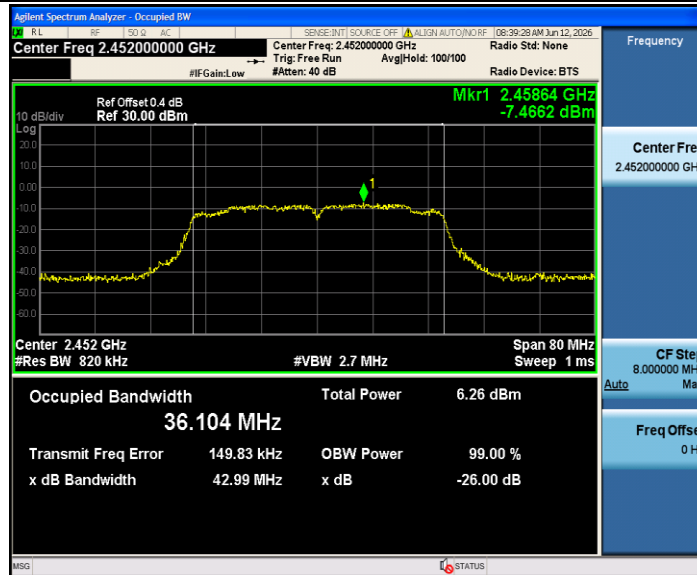
11N40SISO_Ant1_2422



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	6.48	≤30.00	PASS
		2437	6.47	≤30.00	PASS
		2462	6.29	≤30.00	PASS
11G	Ant1	2412	6.06	≤30.00	PASS
		2437	5.79	≤30.00	PASS
		2462	5.84	≤30.00	PASS
11N20SISO	Ant1	2412	5.86	≤30.00	PASS
		2437	5.59	≤30.00	PASS
		2462	5.55	≤30.00	PASS
11N40SISO	Ant1	2422	4.95	≤30.00	PASS
		2437	5.11	≤30.00	PASS
		2452	5.34	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

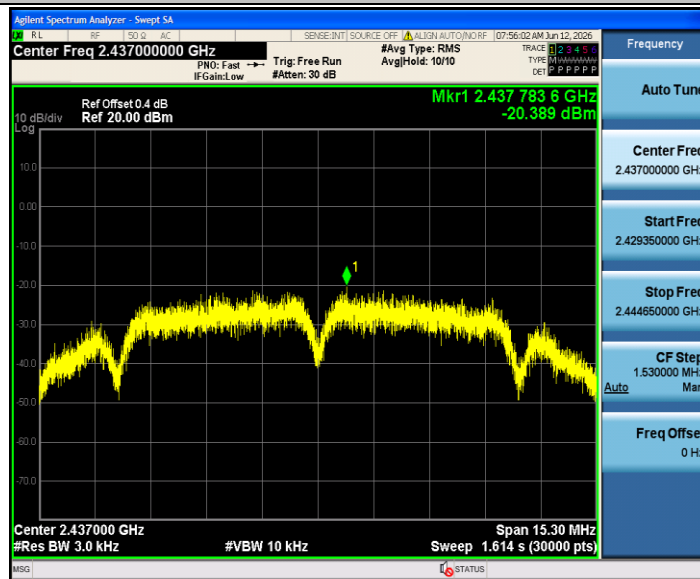
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-20.88	≤8.00	PASS
		2437	-20.39	≤8.00	PASS
		2462	-20.13	≤8.00	PASS
11G	Ant1	2412	-25.50	≤8.00	PASS
		2437	-25.70	≤8.00	PASS
		2462	-26.11	≤8.00	PASS
11N20SISO	Ant1	2412	-25.63	≤8.00	PASS
		2437	-25.71	≤8.00	PASS
		2462	-26.20	≤8.00	PASS
11N40SISO	Ant1	2422	-27.59	≤8.00	PASS
		2437	-27.71	≤8.00	PASS
		2452	-27.41	≤8.00	PASS

Test Graphs

11B_Ant1_2412



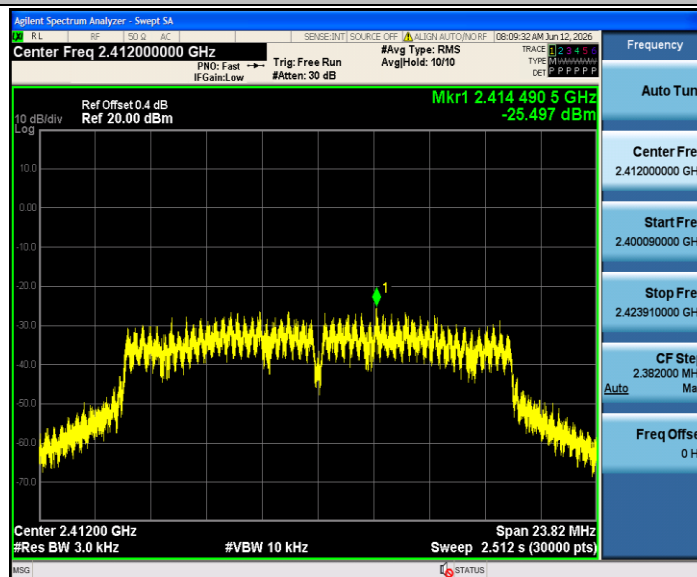
11B_Ant1_2437



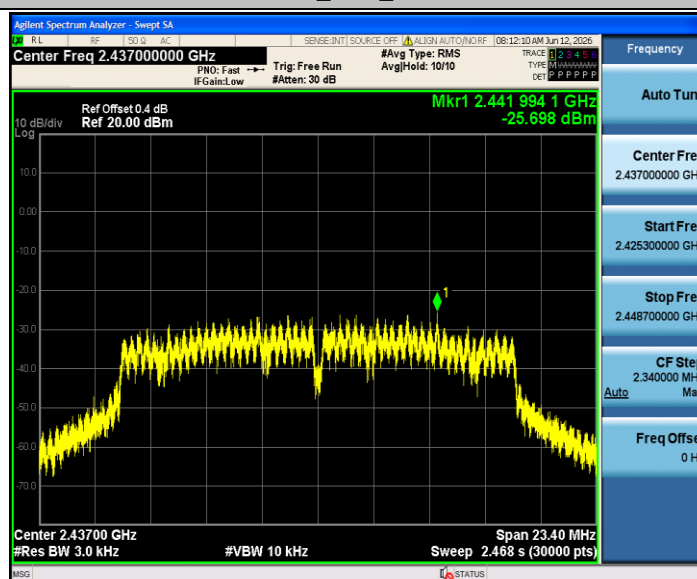
11B_Ant1_2462



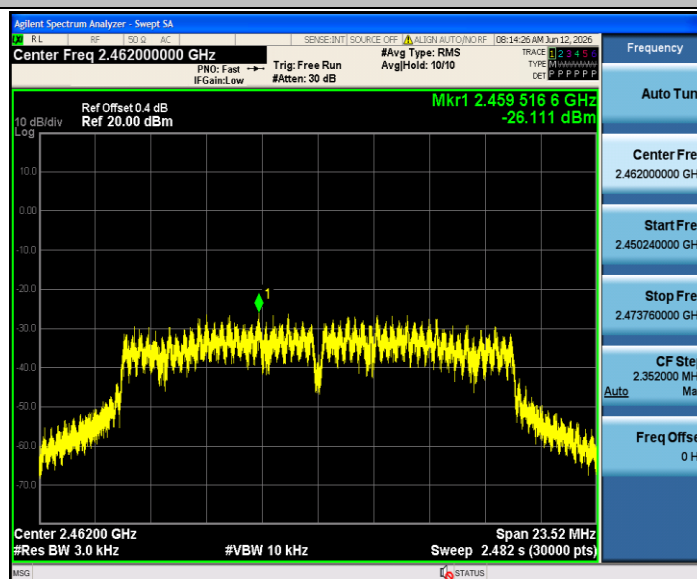
11G_Ant1_2412



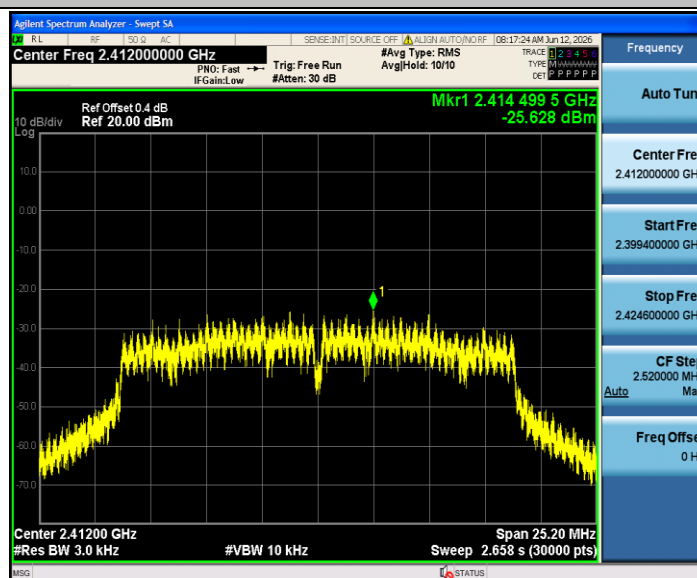
11G_Ant1_2437



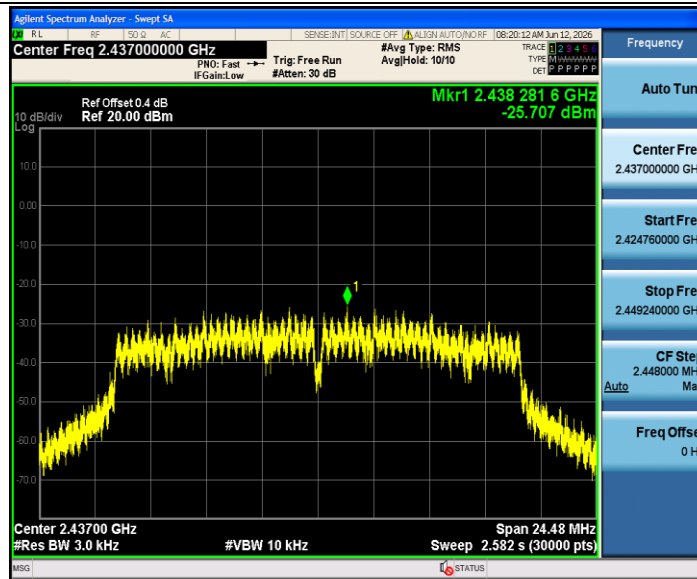
11G_Ant1_2462



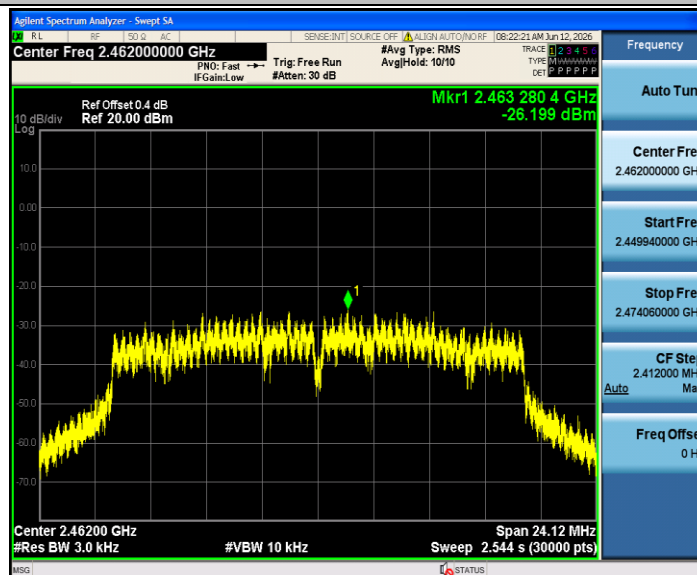
11N20SISO_Ant1_2412



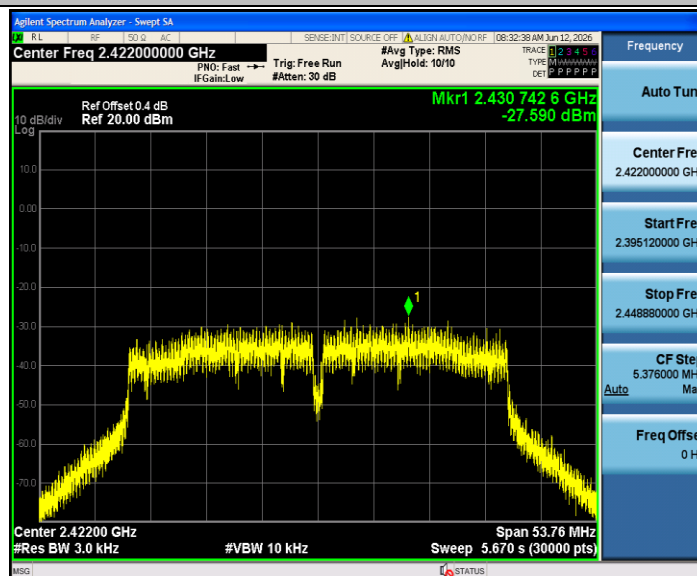
11N20SISO_Ant1_2437



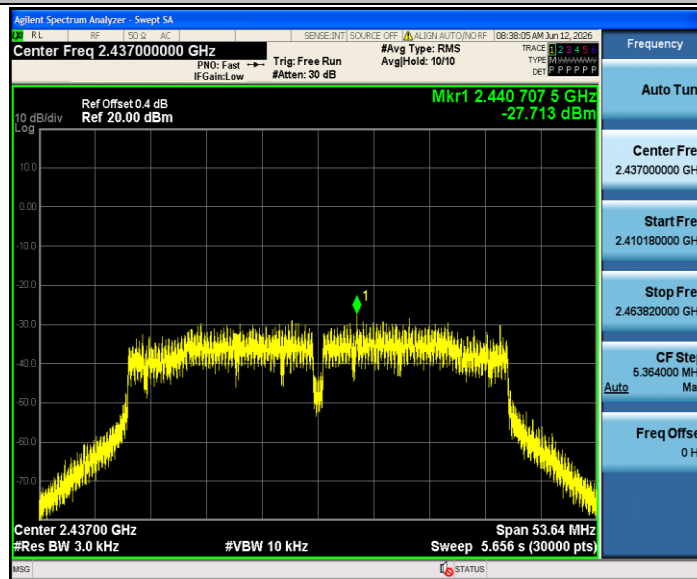
11N20SISO_Ant1_2462



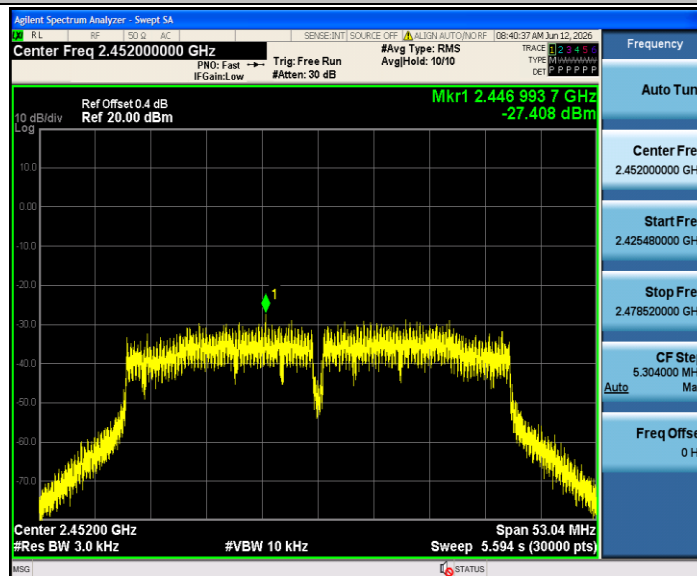
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



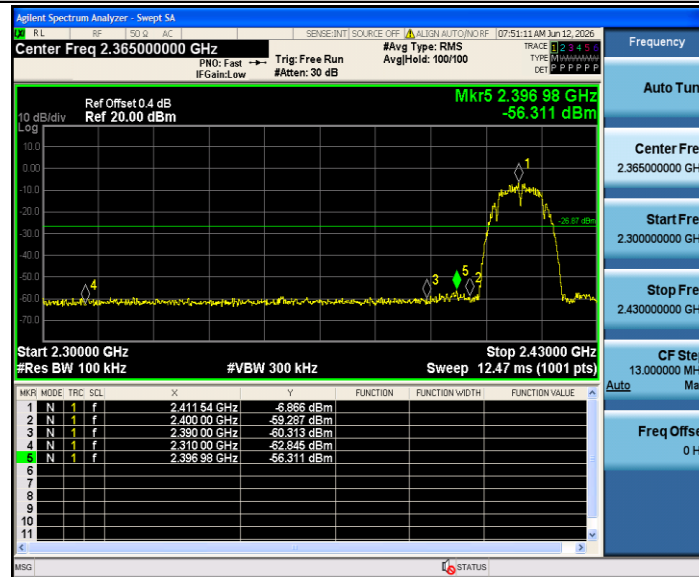
Appendix E: Band edge measurements

Test Result

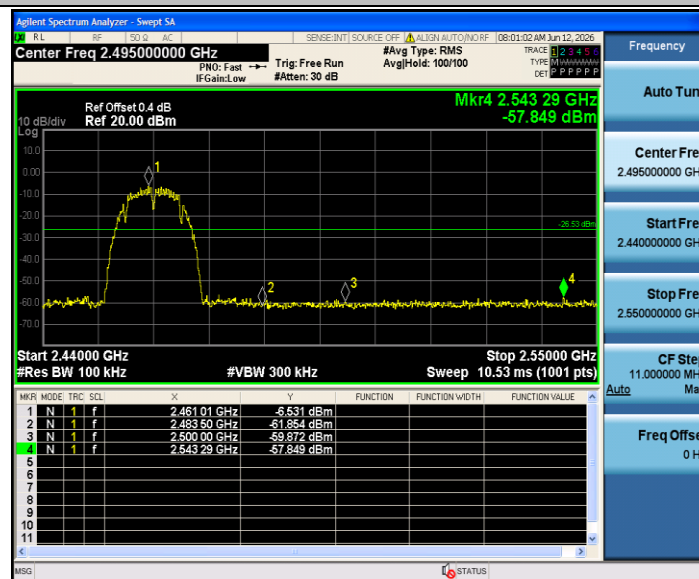
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-6.87	-56.31	≤-26.87	PASS
		High	2462	-6.53	-57.85	≤-26.53	PASS
11G	Ant1	Low	2412	-10.46	-42.66	≤-30.46	PASS
		High	2462	-10.52	-57.66	≤-30.52	PASS
11N20SISO	Ant1	Low	2412	-10.43	-42.48	≤-30.43	PASS
		High	2462	-10.66	-57.81	≤-30.66	PASS
11N40SISO	Ant1	Low	2422	-13.57	-43.02	≤-33.57	PASS
		High	2452	-13.37	-57.61	≤-33.37	PASS

Test Graphs

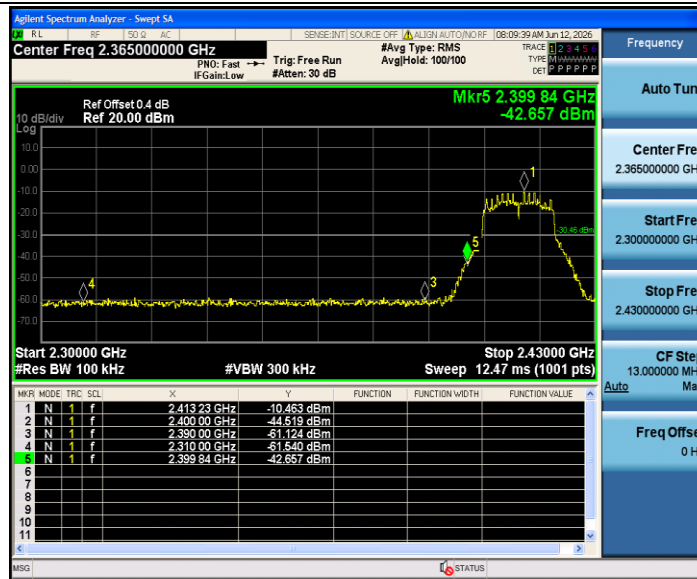
11B_Ant1_Low_2412



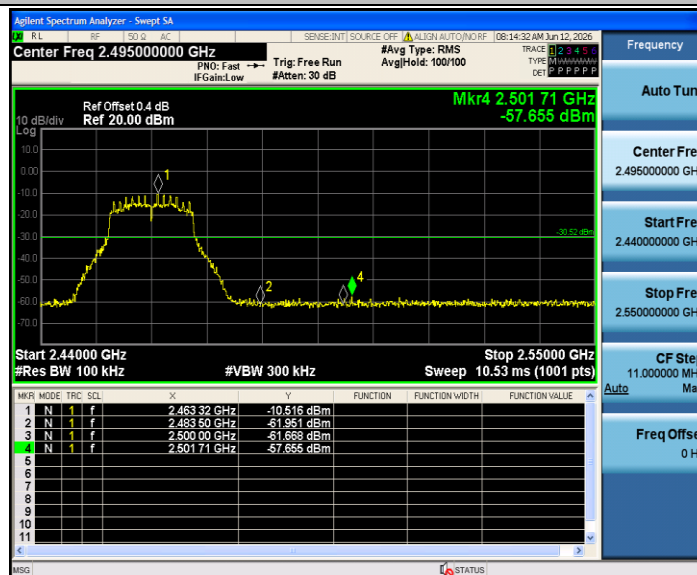
11B_Ant1_High_2462



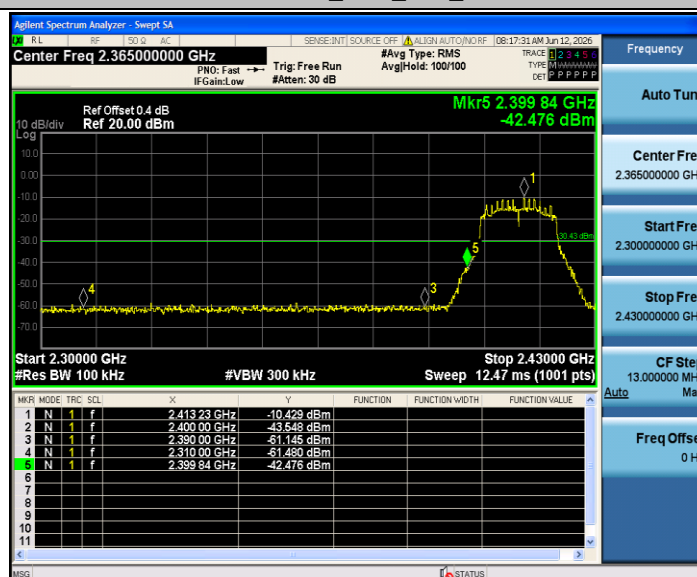
11G_Ant1_Low_2412



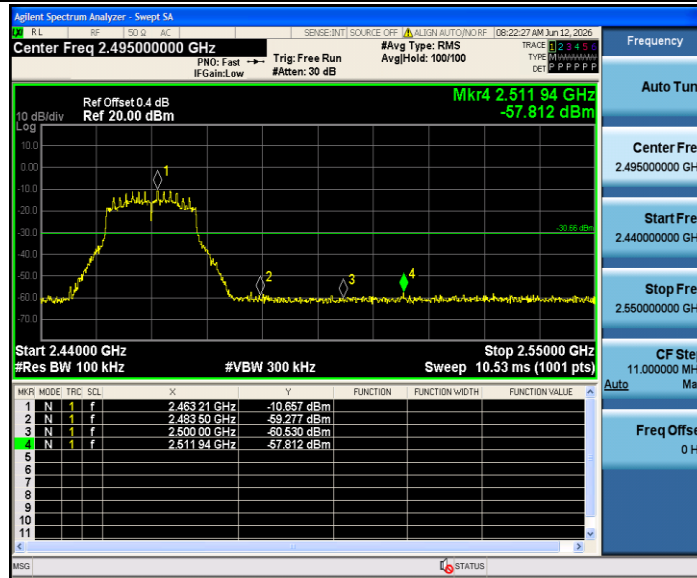
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



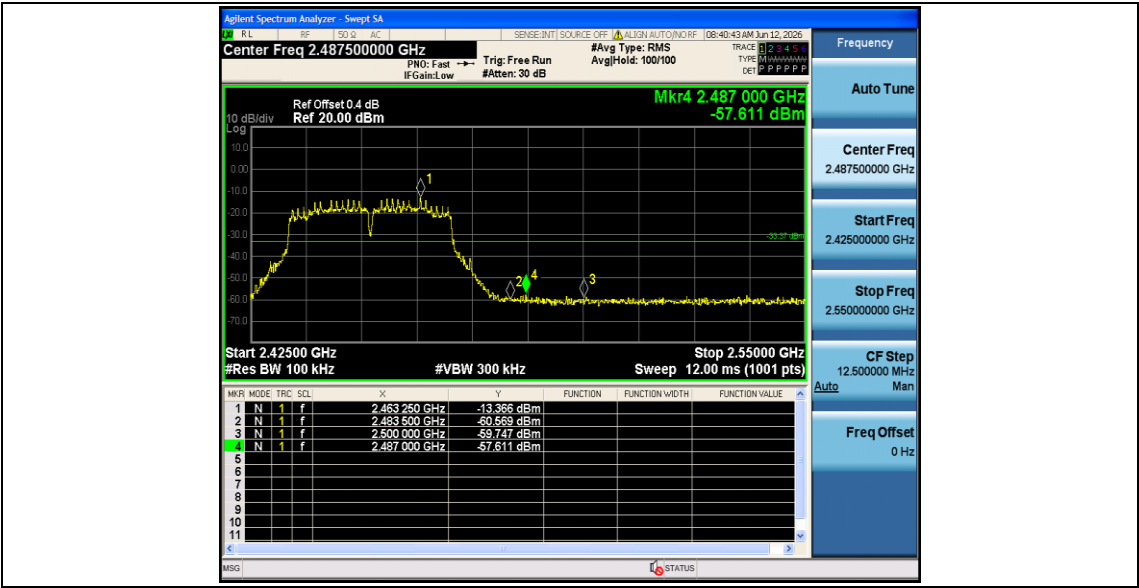
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



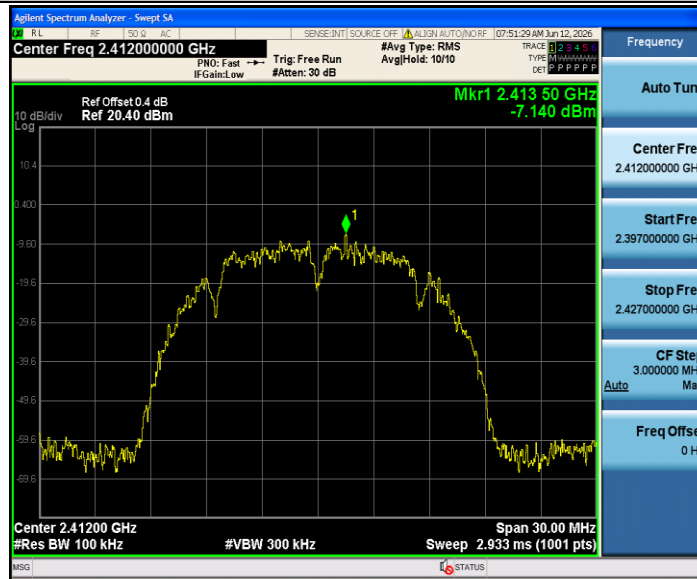
Appendix F: Conducted Spurious Emission

Test Result

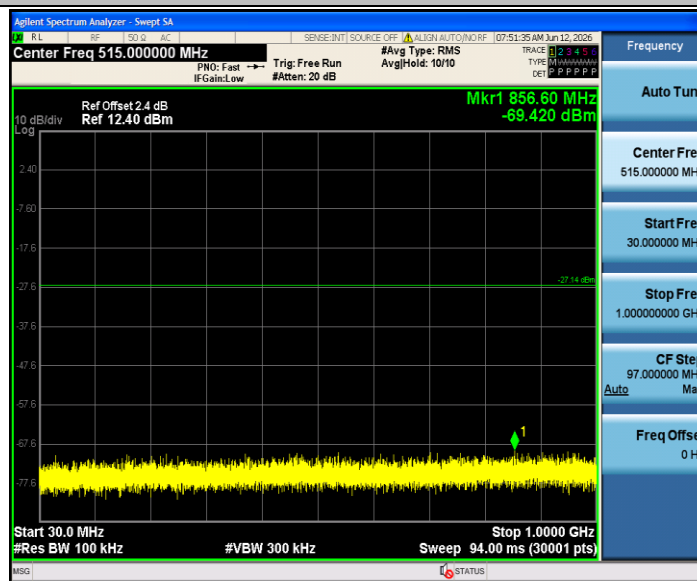
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-7.14	-7.14	---	PASS
			30~1000	-7.14	-69.42	≤-27.14	PASS
			1000~26500	-7.14	-56.85	≤-27.14	PASS
		2437	Reference	-7.98	-7.98	---	PASS
			30~1000	-7.98	-68.51	≤-27.98	PASS
			1000~26500	-7.98	-56.65	≤-27.98	PASS
		2462	Reference	-6.72	-6.72	---	PASS
			30~1000	-6.72	-68.73	≤-26.72	PASS
			1000~26500	-6.72	-57	≤-26.72	PASS
11G	Ant1	2412	Reference	-11.86	-11.86	---	PASS
			30~1000	-11.86	-69.23	≤-31.86	PASS
			1000~26500	-11.86	-57.05	≤-31.86	PASS
		2437	Reference	-10.83	-10.83	---	PASS
			30~1000	-10.83	-68.49	≤-30.83	PASS
			1000~26500	-10.83	-56.25	≤-30.83	PASS
		2462	Reference	-11.36	-11.36	---	PASS
			30~1000	-11.36	-69.5	≤-31.36	PASS
			1000~26500	-11.36	-57.27	≤-31.36	PASS
11N20SISO	Ant1	2412	Reference	-11.02	-11.02	---	PASS
			30~1000	-11.02	-68.72	≤-31.02	PASS
			1000~26500	-11.02	-57.32	≤-31.02	PASS
		2437	Reference	-11.12	-11.12	---	PASS
			30~1000	-11.12	-68.73	≤-31.12	PASS
			1000~26500	-11.12	-57.28	≤-31.12	PASS
		2462	Reference	-10.73	-10.73	---	PASS
			30~1000	-10.73	-67.98	≤-30.73	PASS
			1000~26500	-10.73	-57.2	≤-30.73	PASS
11N40SISO	Ant1	2422	Reference	-13.64	-13.64	---	PASS
			30~1000	-13.64	-69.18	≤-33.64	PASS
			1000~26500	-13.64	-56.9	≤-33.64	PASS
		2437	Reference	-14.20	-14.20	---	PASS
			30~1000	-14.20	-68.86	≤-34.2	PASS
			1000~26500	-14.20	-56.64	≤-34.2	PASS
		2452	Reference	-14.20	-14.20	---	PASS
			30~1000	-14.20	-67.9	≤-34.2	PASS
			1000~26500	-14.20	-56.24	≤-34.2	PASS

Test Graphs

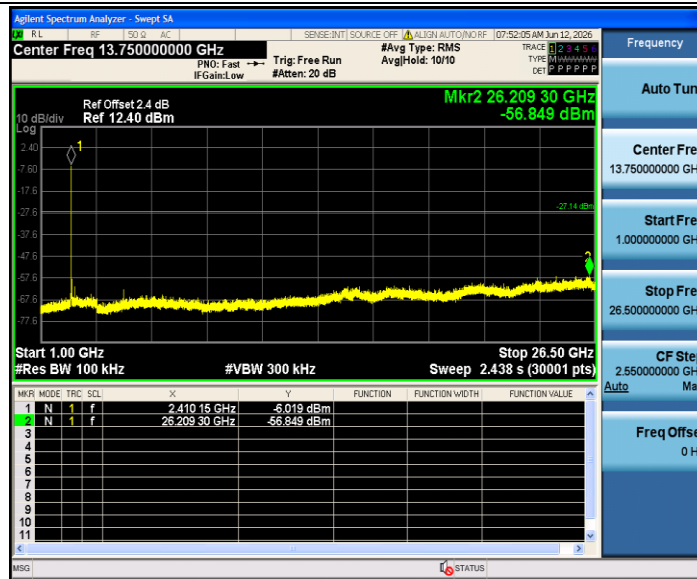
11B_Ant1_2412_0~Reference



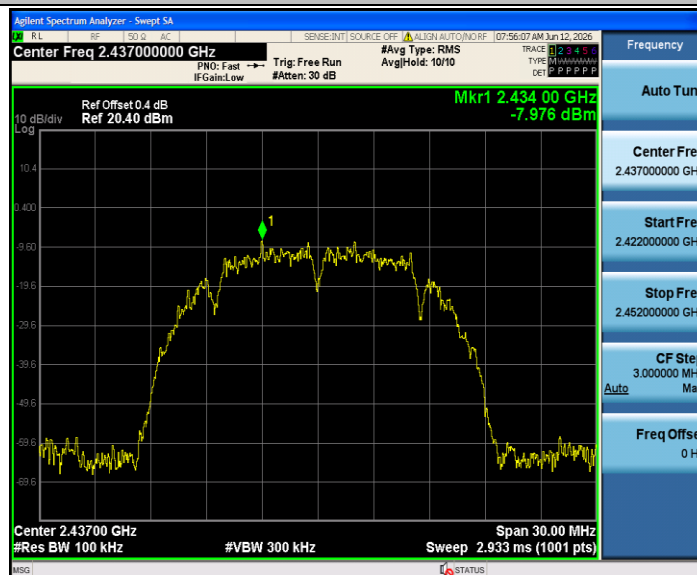
11B_Ant1_2412_30~1000



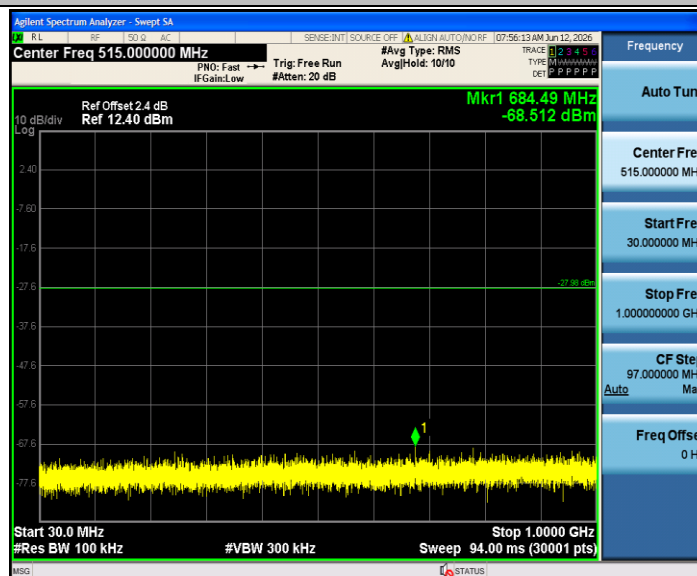
11B_Ant1_2412_1000~26500



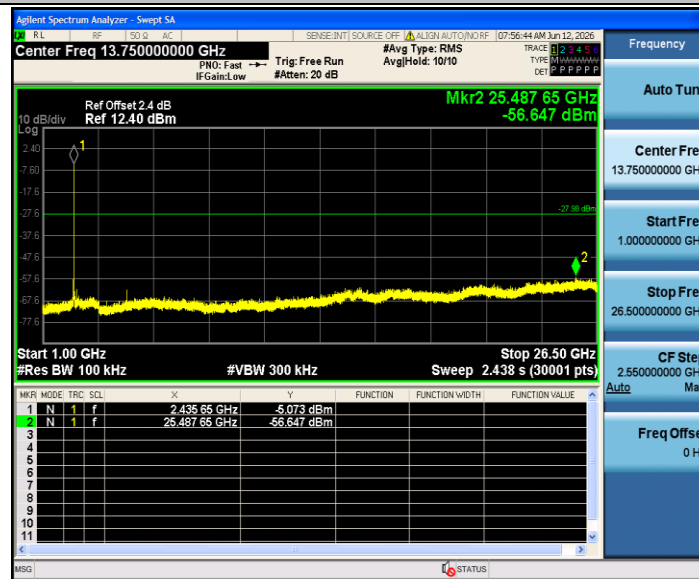
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



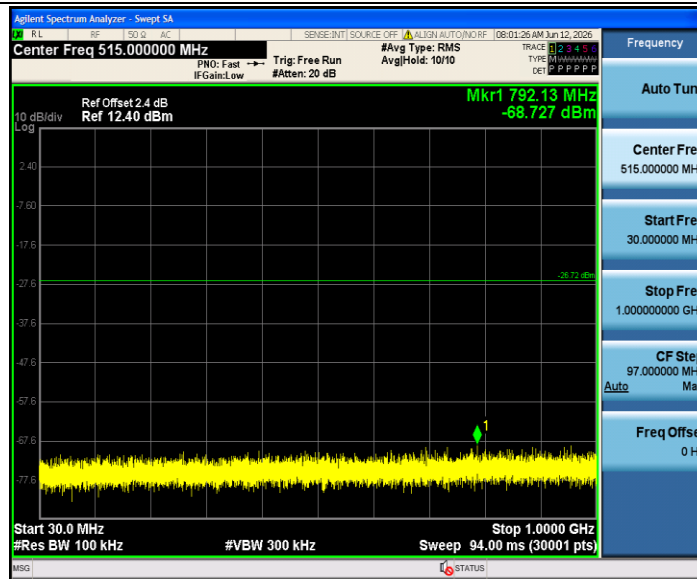
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



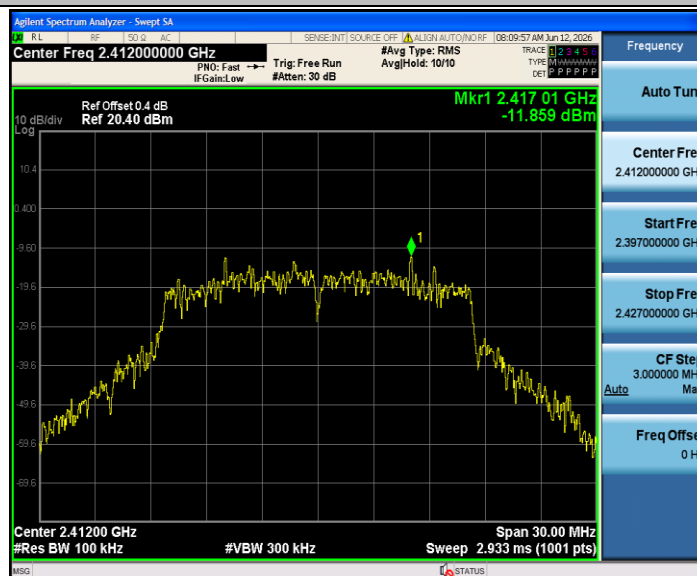
11B_Ant1_2462_30~1000



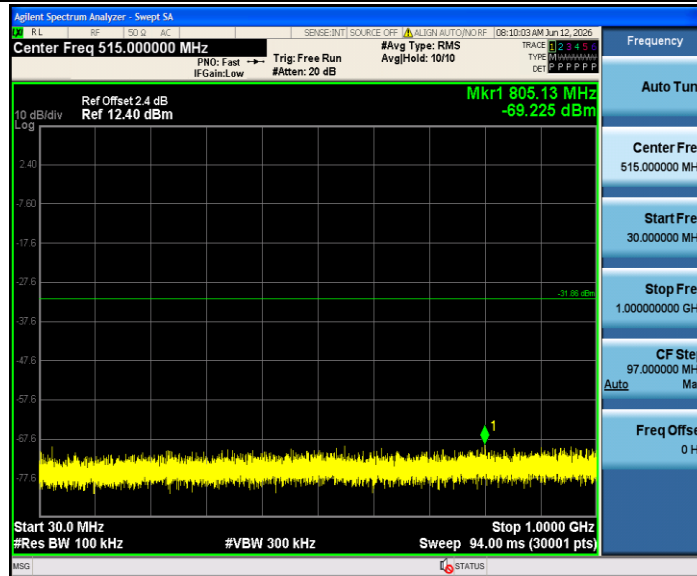
11B_Ant1_2462_1000~26500



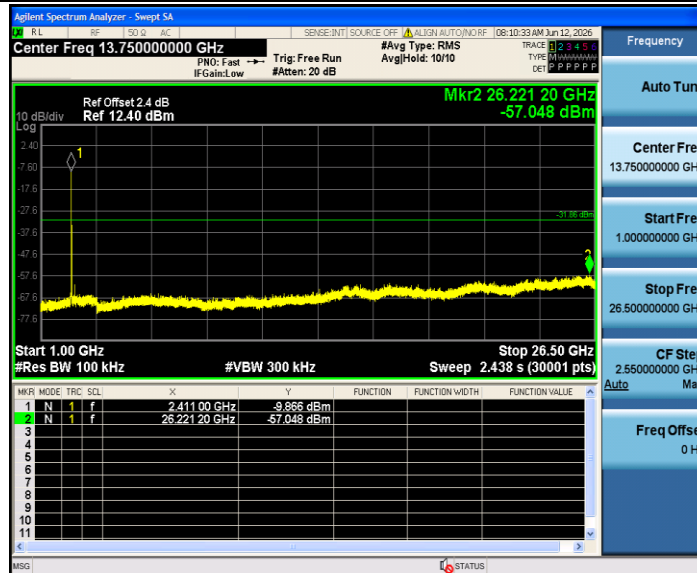
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



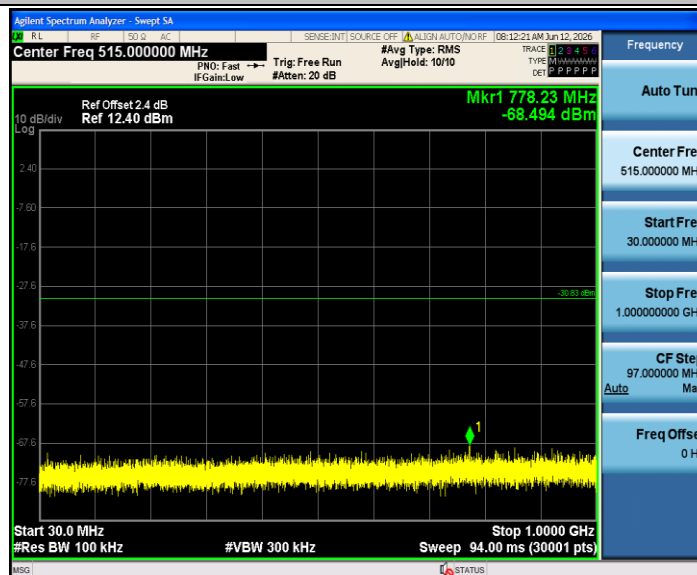
11G_Ant1_2412_1000~26500



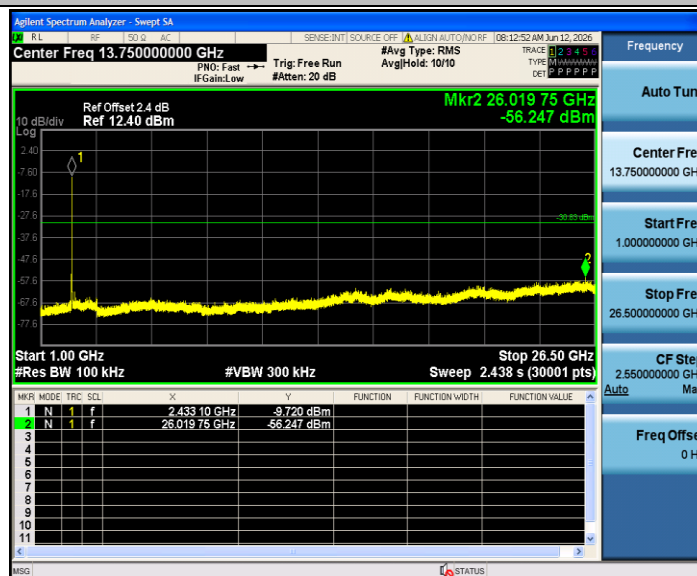
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



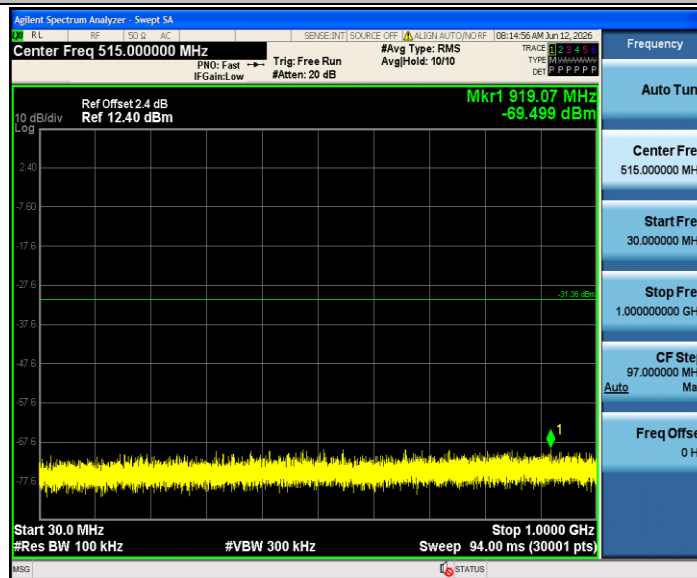
11G_Ant1_2437_1000~26500



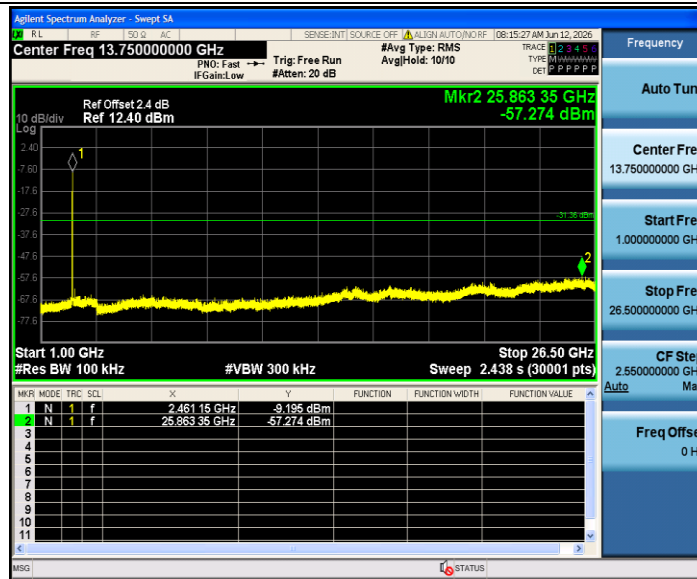
11G_Ant1_2462_0~Reference



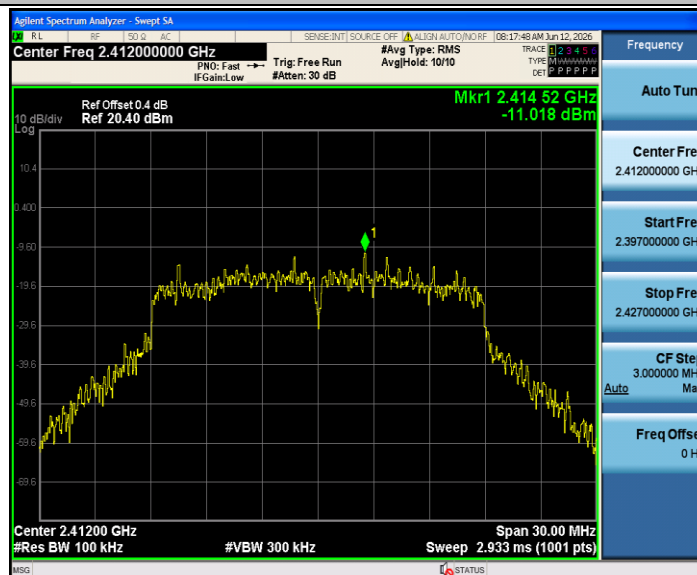
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

