

FCC Appendix RF Test Data

FCC ID : 2BO6V-KI-E065TV

Company: : SHENZHEN KINGIMAGE TECHNOLOGY CO.,LTD.

EUT : OUTDOOR TV

Model Number : KI-E065TV

Report No. : CTA25040801603

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	9.600	2406.960	2416.560	0.5	PASS
		2437	8.800	2432.280	2441.080	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	15.680	2404.480	2420.160	0.5	PASS
		2437	15.600	2429.520	2445.120	0.5	PASS
		2462	16.320	2453.880	2470.200	0.5	PASS
11N20SISO	Ant1	2412	16.080	2404.440	2420.520	0.5	PASS
		2437	15.880	2429.480	2445.360	0.5	PASS
		2462	16.600	2453.920	2470.520	0.5	PASS
11N40SISO	Ant1	2422	35.600	2404.480	2440.080	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.200	2434.400	2469.600	0.5	PASS

Test Graphs

11B_Ant1_2412



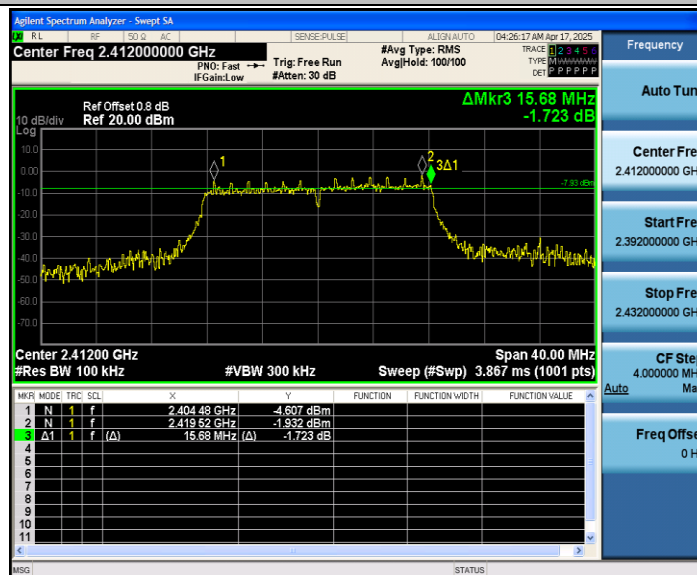
11B_Ant1_2437



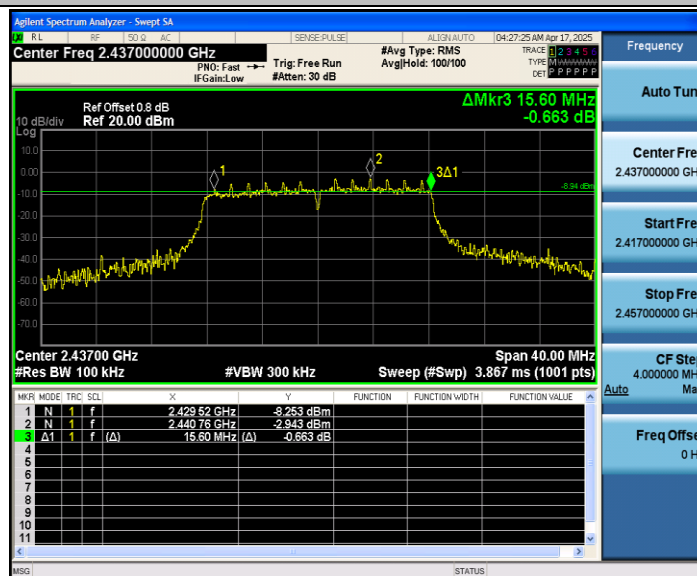
11B_Ant1_2462



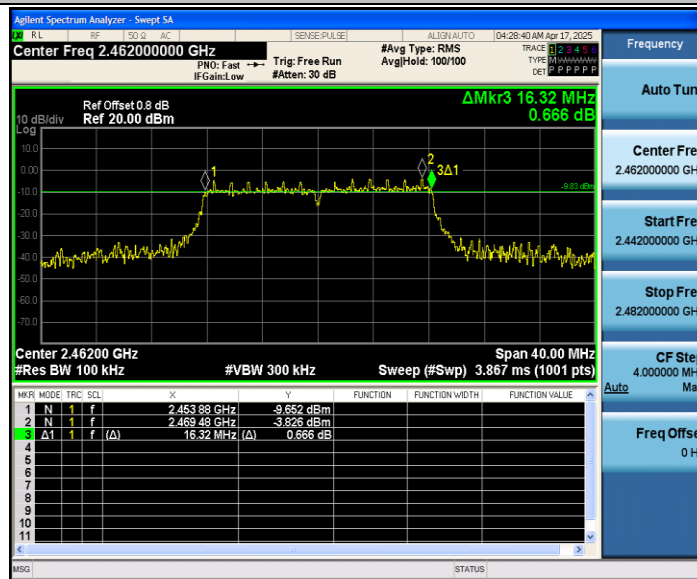
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



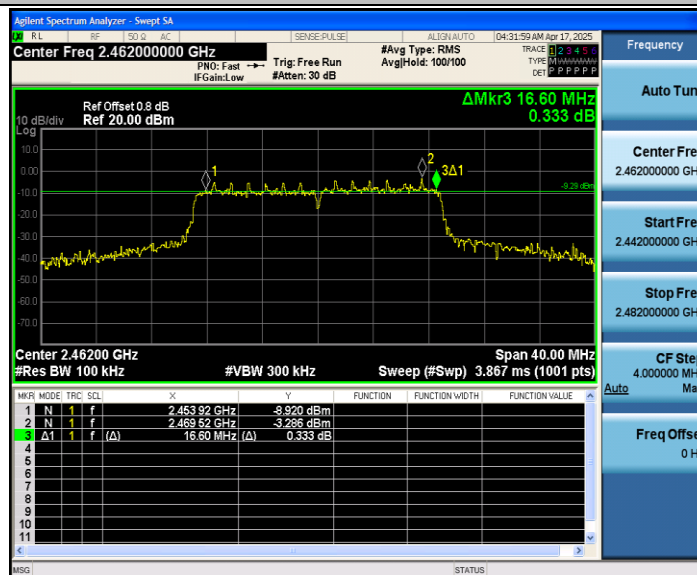
11N20SISO_Ant1_2412



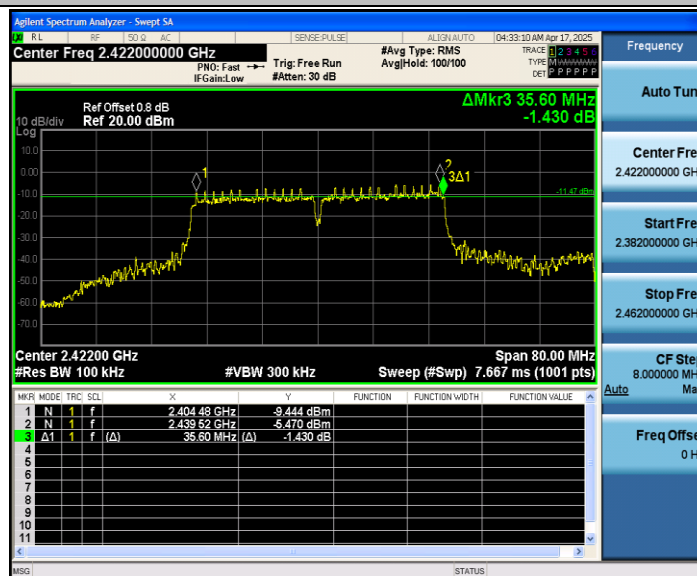
11N20SISO_Ant1_2437



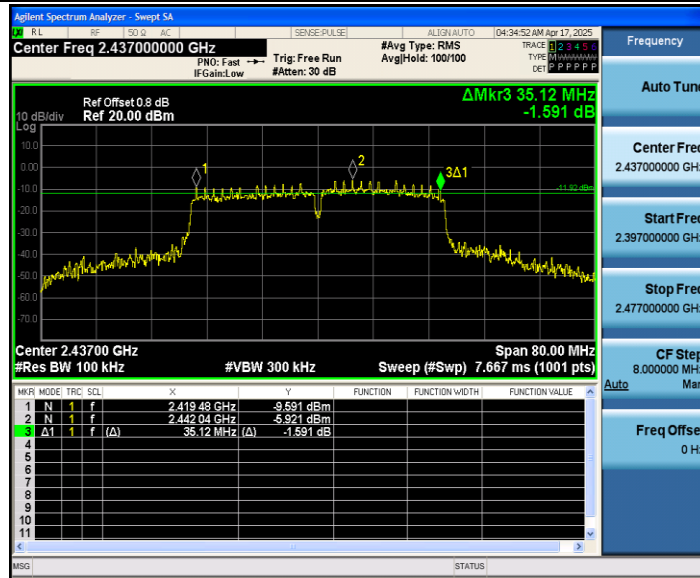
11N20SISO_Ant1_2462



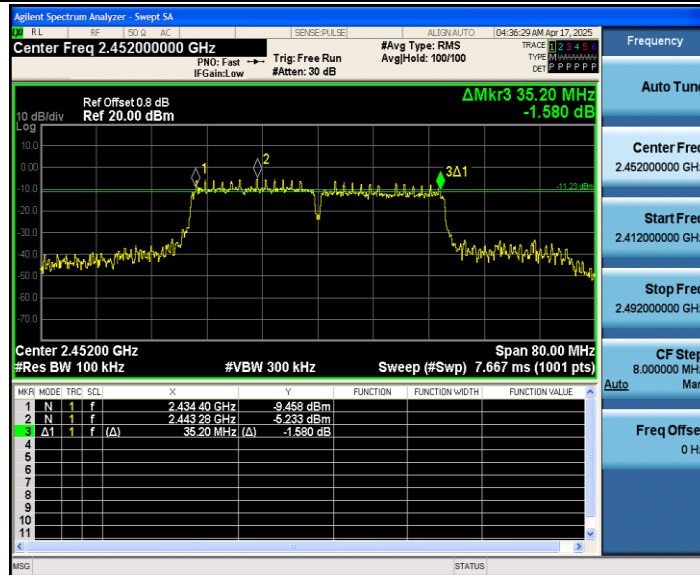
11N40SISO_Ant1_2422



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	12.353	2405.7689	2418.1219	---	---
		2437	11.588	2430.9981	2442.5861	---	---
		2462	12.706	2455.4532	2468.1592	---	---
11G	Ant1	2412	16.862	2403.7268	2420.5888	---	---
		2437	16.606	2428.8271	2445.4331	---	---
		2462	16.852	2453.6972	2470.5492	---	---
11N20SISO	Ant1	2412	17.944	2403.2075	2421.1515	---	---
		2437	17.656	2428.2998	2445.9558	---	---
		2462	18.043	2453.1044	2471.1474	---	---
11N40SISO	Ant1	2422	36.320	2404.1946	2440.5146	---	---
		2437	36.007	2419.0679	2455.0749	---	---
		2452	36.410	2433.8170	2470.2270	---	---

Test Graphs

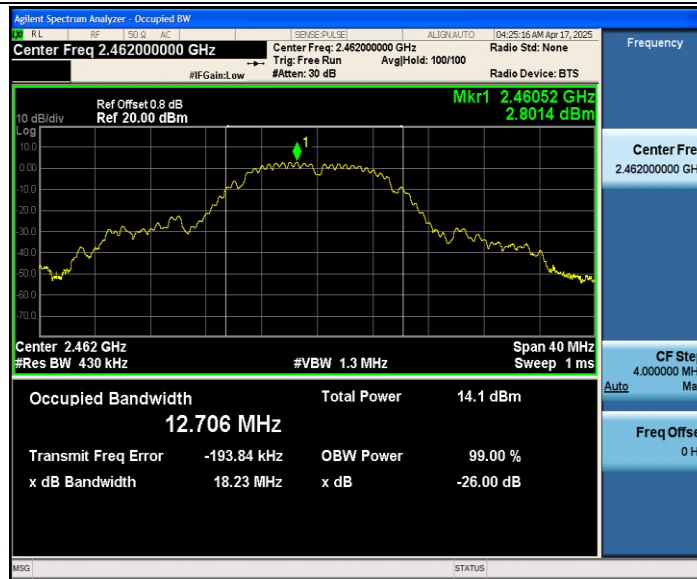
11B_Ant1_2412



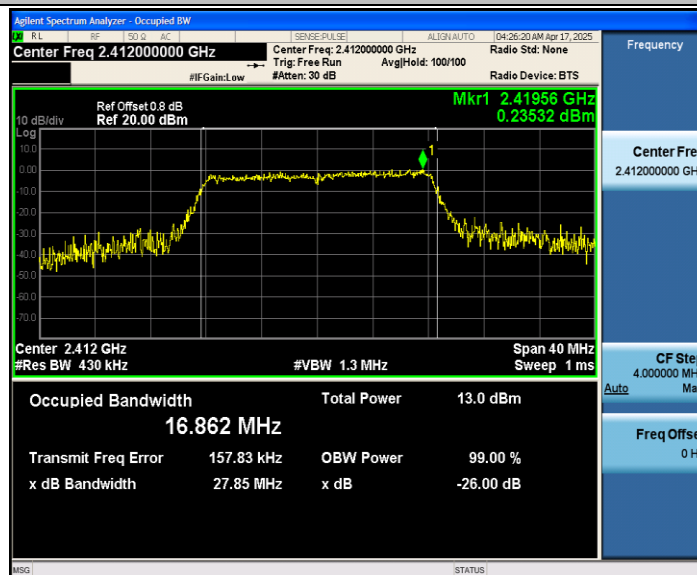
11B_Ant1_2437



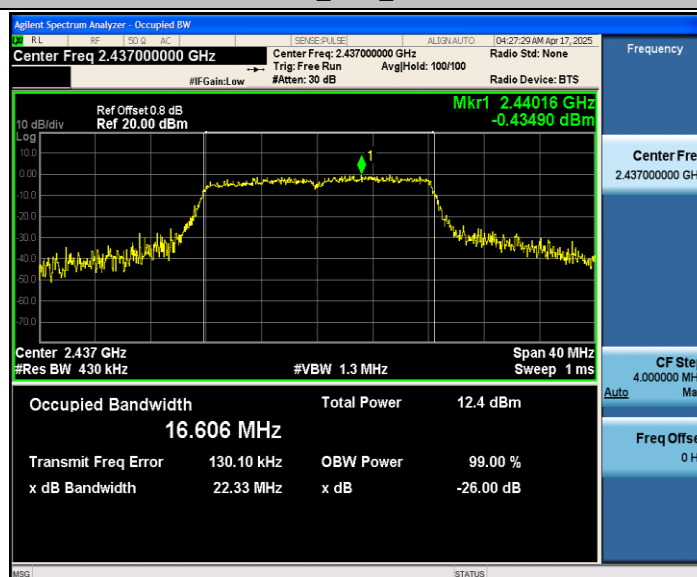
11B_Ant1_2462



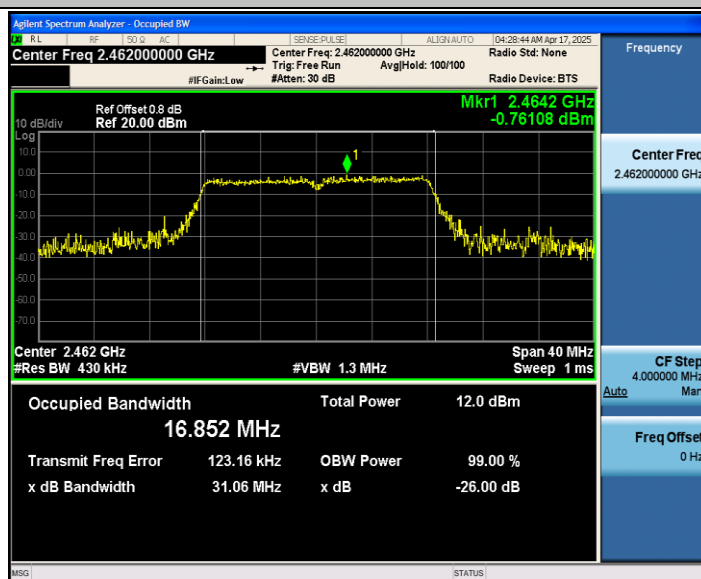
11G_Ant1_2412



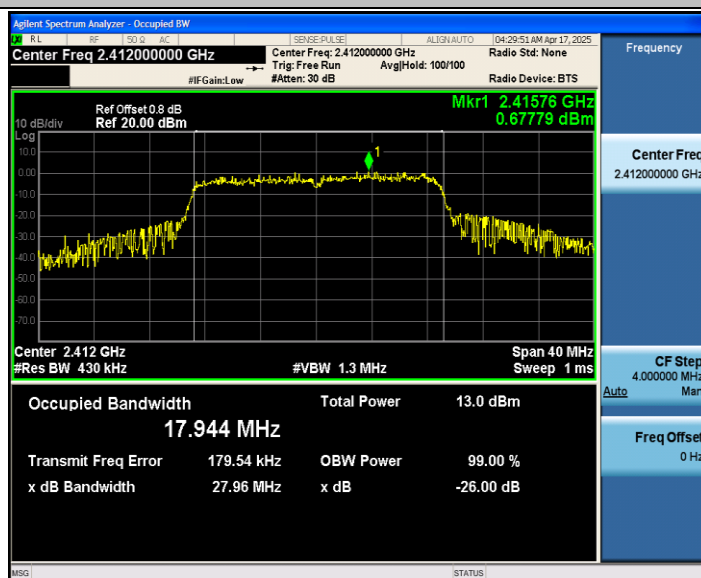
11G_Ant1_2437



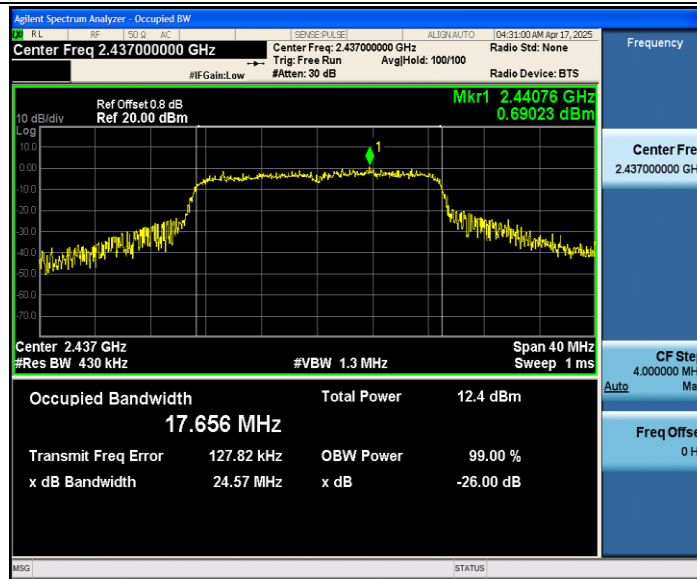
11G_Ant1_2462



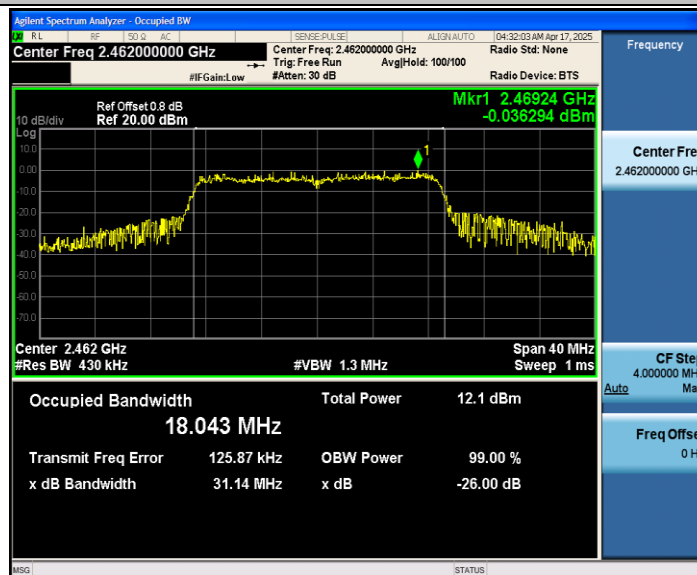
11N20SISO_Ant1_2412



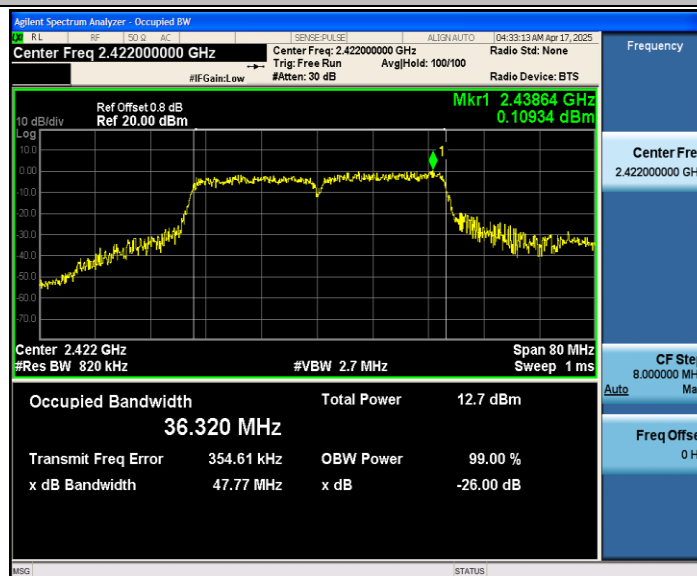
11N20SISO_Ant1_2437



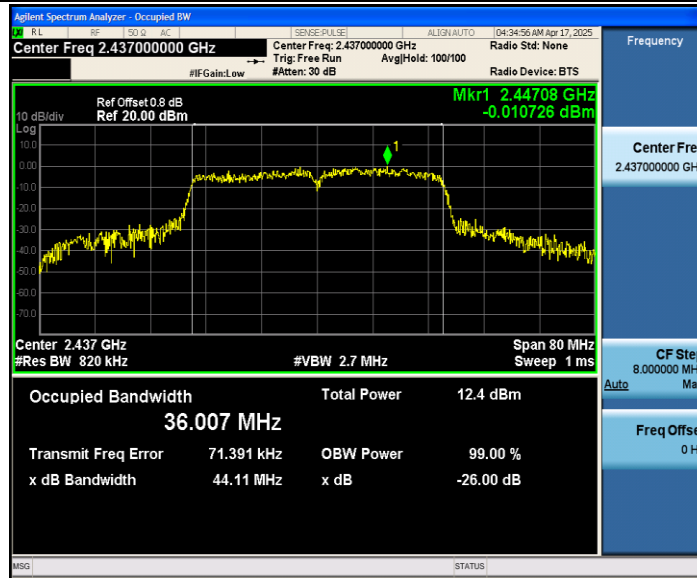
11N20SISO_Ant1_2462



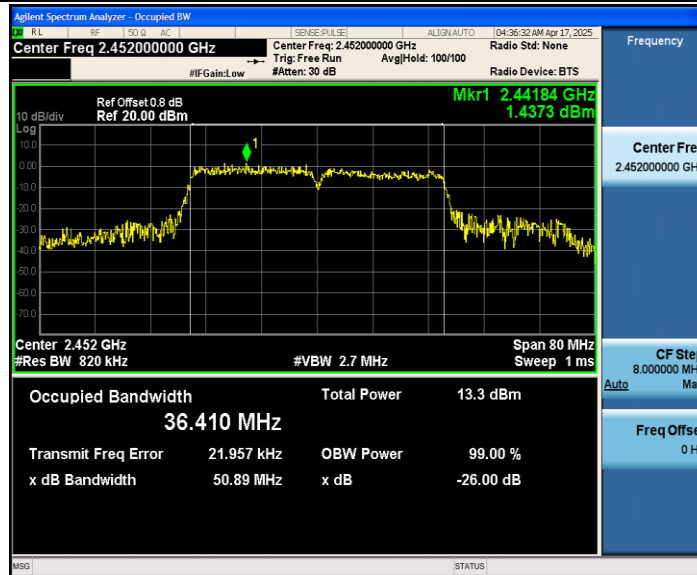
11N40SISO_Ant1_2422



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	14.98	≤30.00	PASS
		2437	13.64	≤30.00	PASS
		2462	14.06	≤30.00	PASS
11G	Ant1	2412	13.87	≤30.00	PASS
		2437	13.02	≤30.00	PASS
		2462	12.67	≤30.00	PASS
11N20SISO	Ant1	2412	13.57	≤30.00	PASS
		2437	12.85	≤30.00	PASS
		2462	12.53	≤30.00	PASS
11N40SISO	Ant1	2422	12.92	≤30.00	PASS
		2437	12.45	≤30.00	PASS
		2452	13.53	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

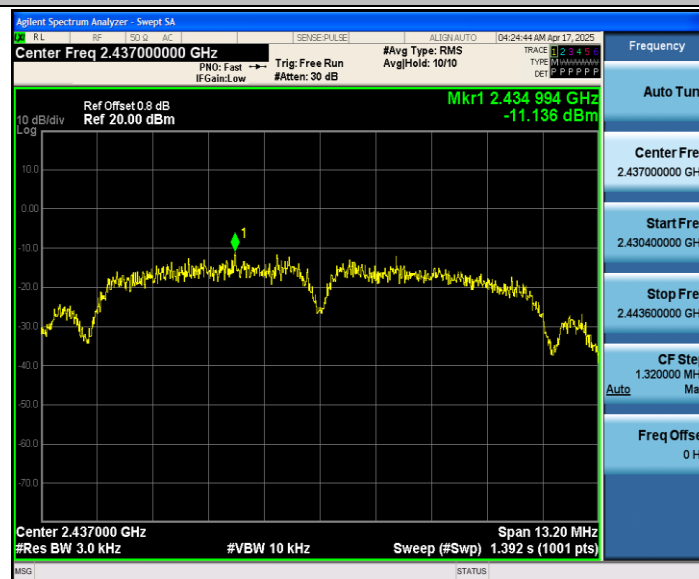
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.88	≤8.00	PASS
		2437	-11.14	≤8.00	PASS
		2462	-12.37	≤8.00	PASS
11G	Ant1	2412	-18.06	≤8.00	PASS
		2437	-19.51	≤8.00	PASS
		2462	-18.94	≤8.00	PASS
11N20SISO	Ant1	2412	-19.02	≤8.00	PASS
		2437	-18.86	≤8.00	PASS
		2462	-18.68	≤8.00	PASS
11N40SISO	Ant1	2422	-22.03	≤8.00	PASS
		2437	-21.78	≤8.00	PASS
		2452	-21.46	≤8.00	PASS

Test Graphs

11B_Ant1_2412



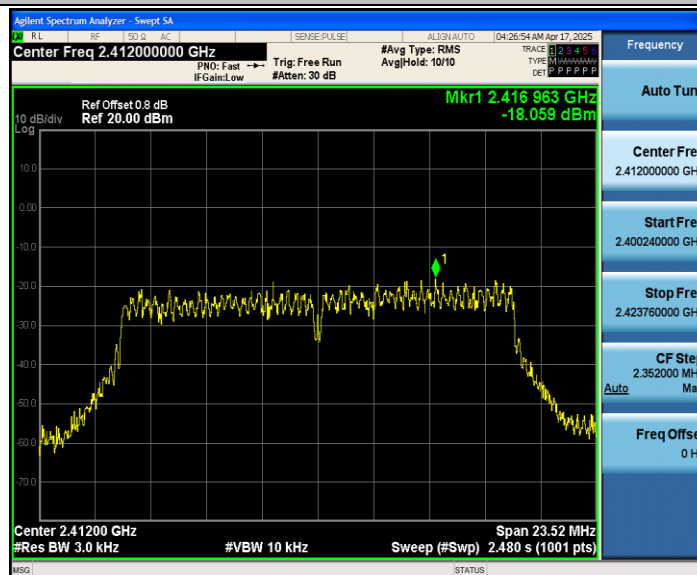
11B_Ant1_2437



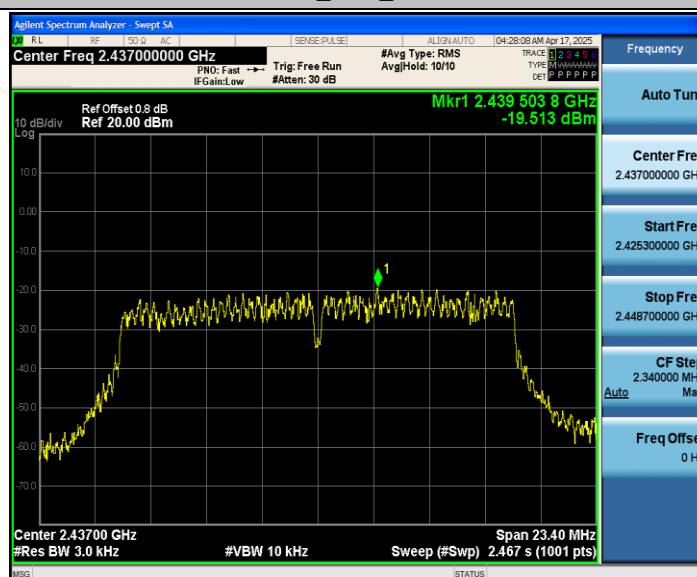
11B_Ant1_2462



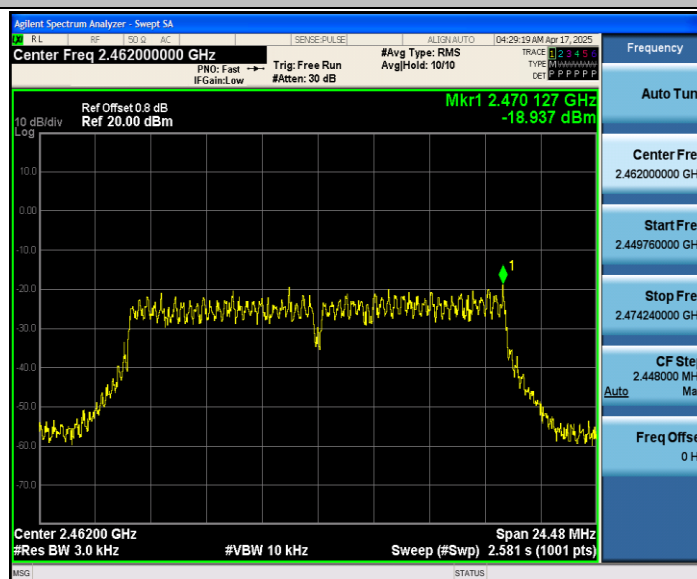
11G_Ant1_2412



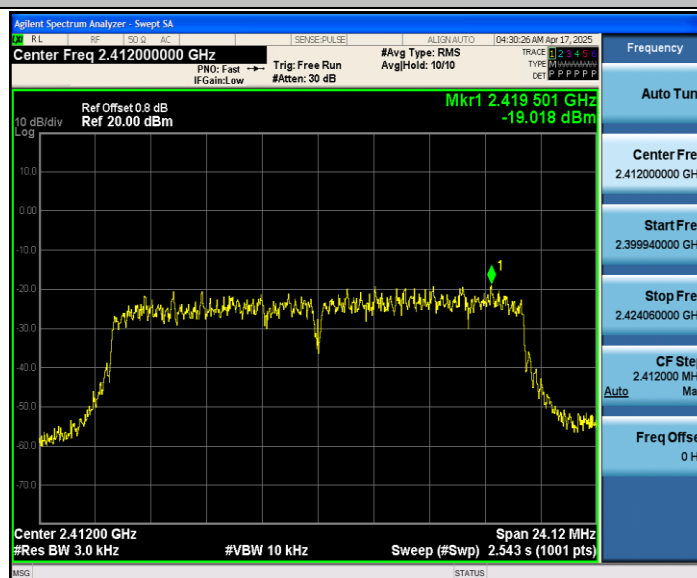
11G_Ant1_2437



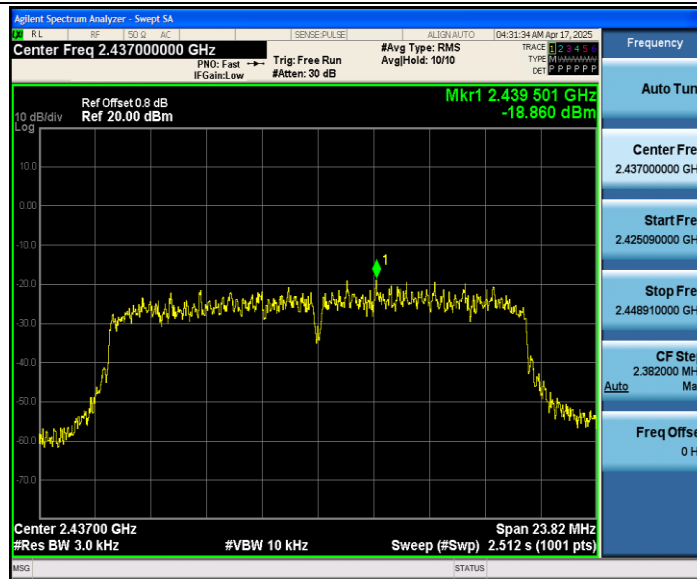
11G_Ant1_2462



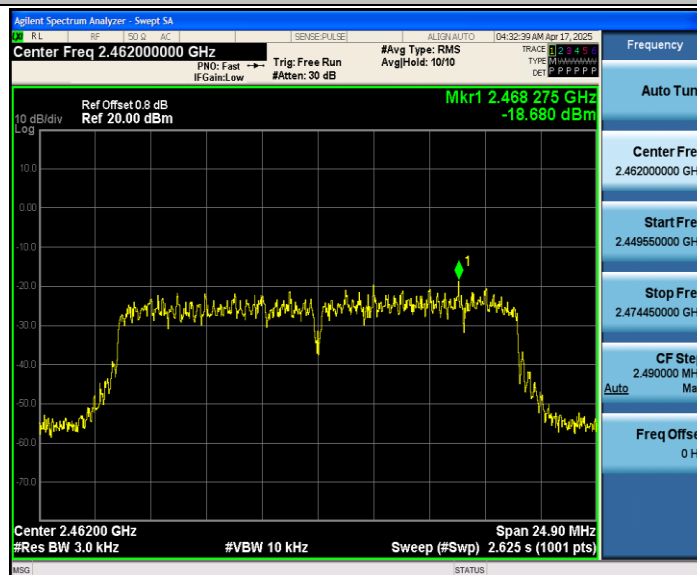
11N20SISO_Ant1_2412



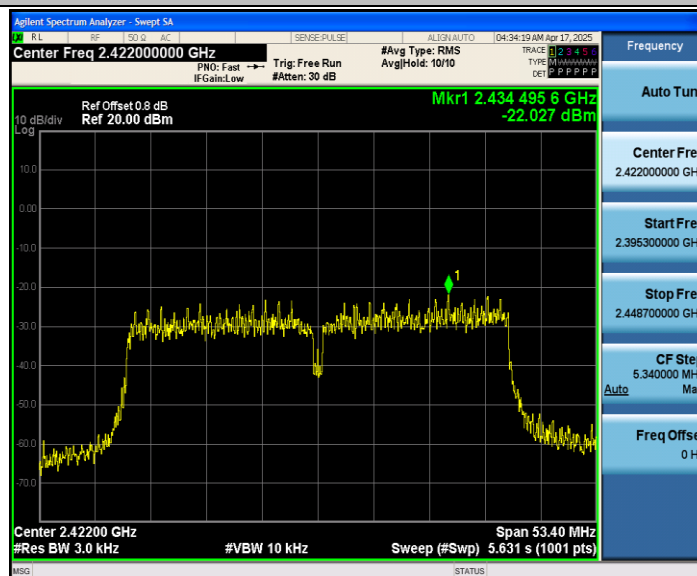
11N20SISO_Ant1_2437



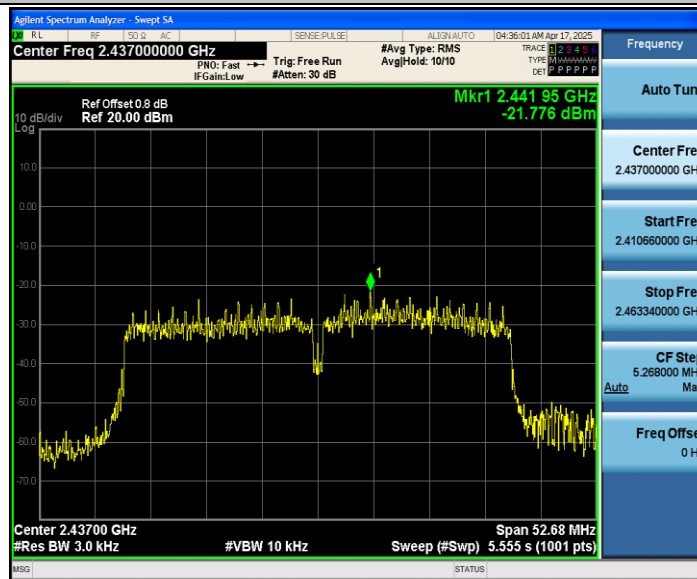
11N20SISO_Ant1_2462



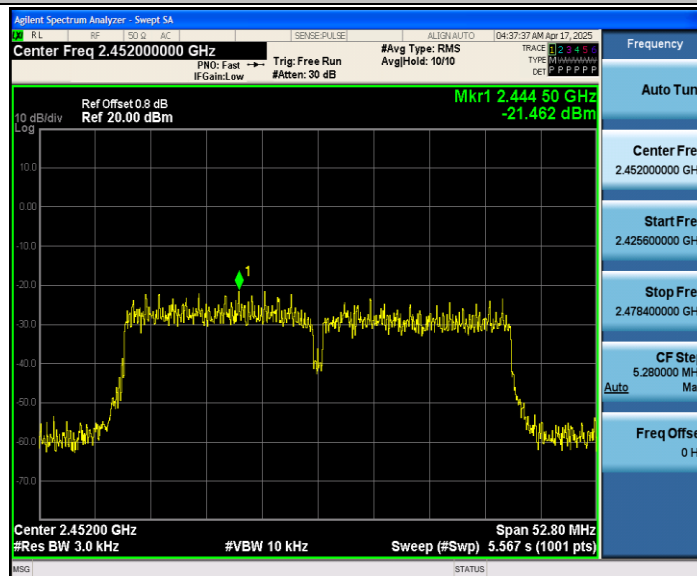
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



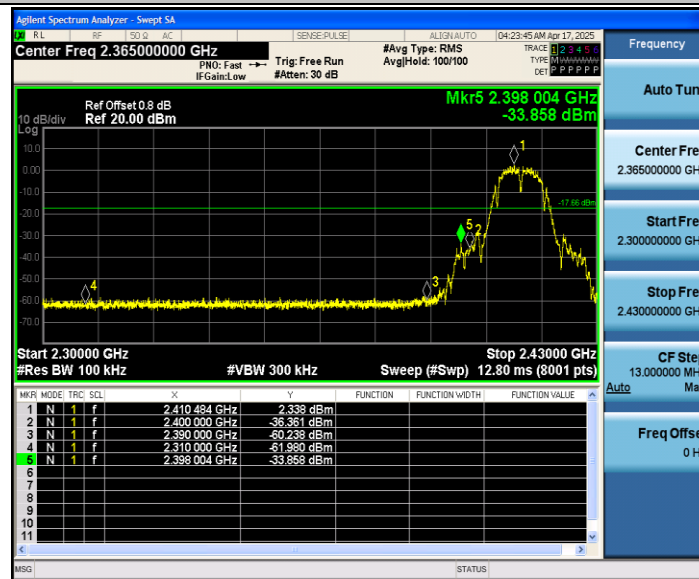
Appendix E: Band edge measurements

Test Result

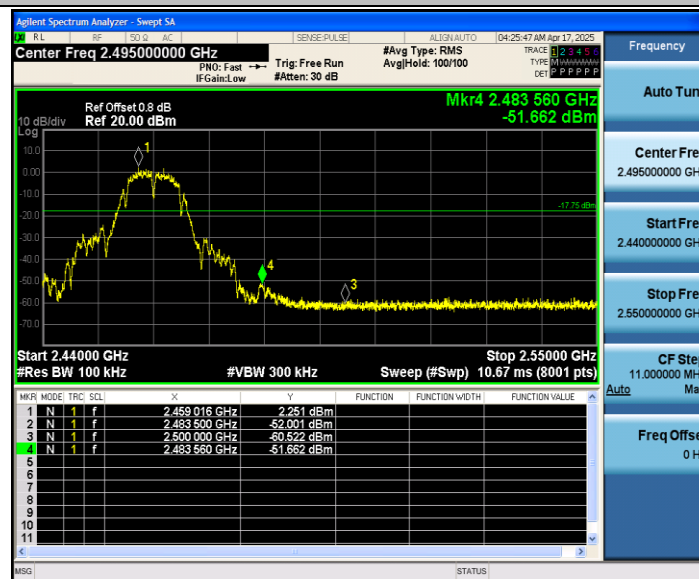
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.34	-33.86	≤-17.66	PASS
		High	2462	2.25	-51.66	≤-17.75	PASS
11G	Ant1	Low	2412	-1.95	-33.44	≤-21.95	PASS
		High	2462	-3.42	-41.21	≤-23.42	PASS
11N20SISO	Ant1	Low	2412	-2.06	-35.39	≤-22.06	PASS
		High	2462	-3.35	-37.83	≤-23.35	PASS
11N40SISO	Ant1	Low	2422	-5.47	-39.07	≤-25.47	PASS
		High	2452	-5.27	-35.18	≤-25.27	PASS

Test Graphs

11B_Ant1_Low_2412



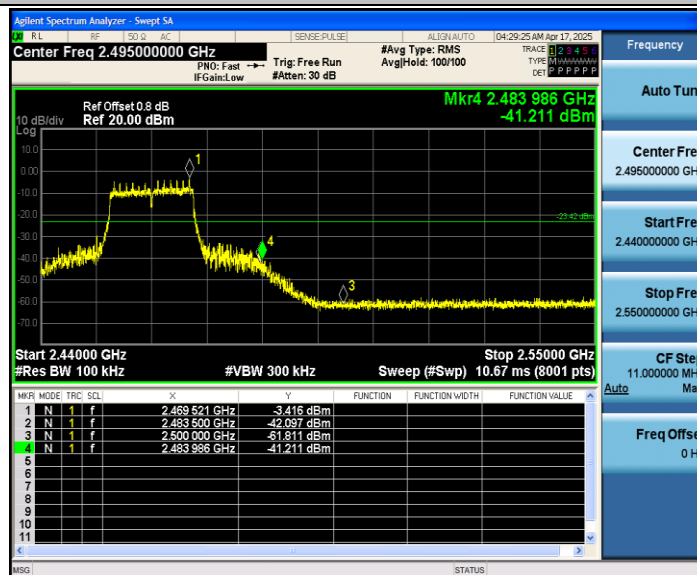
11B_Ant1_High_2462



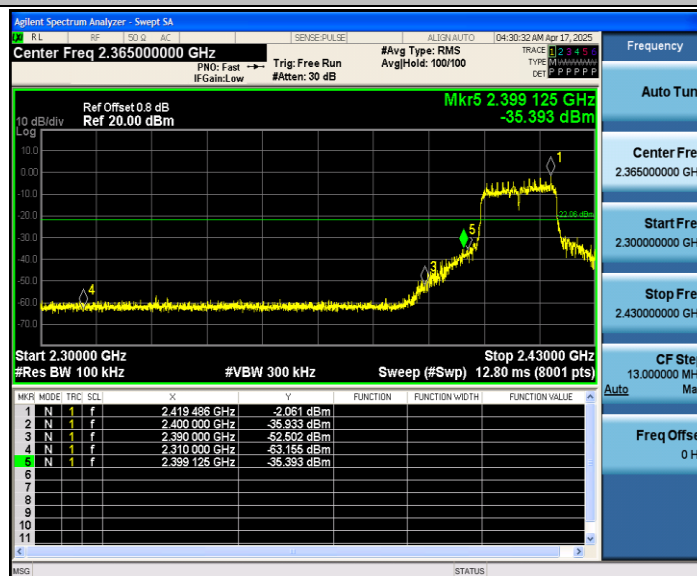
11G_Ant1_Low_2412



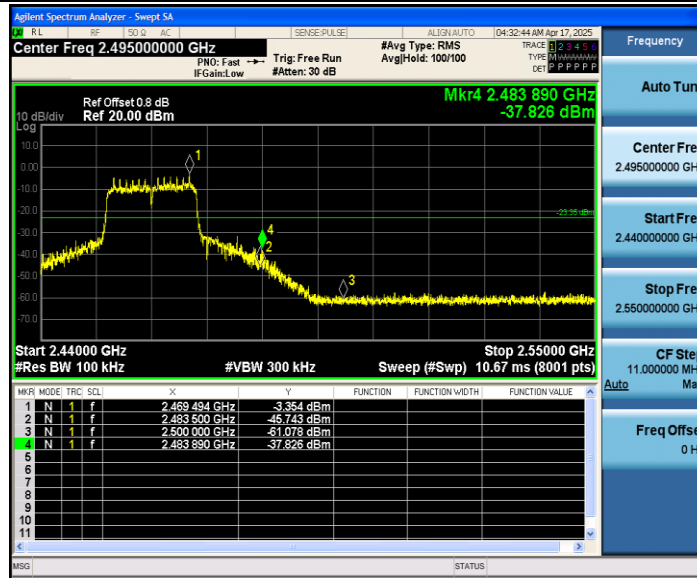
11G_Ant1_High_2462



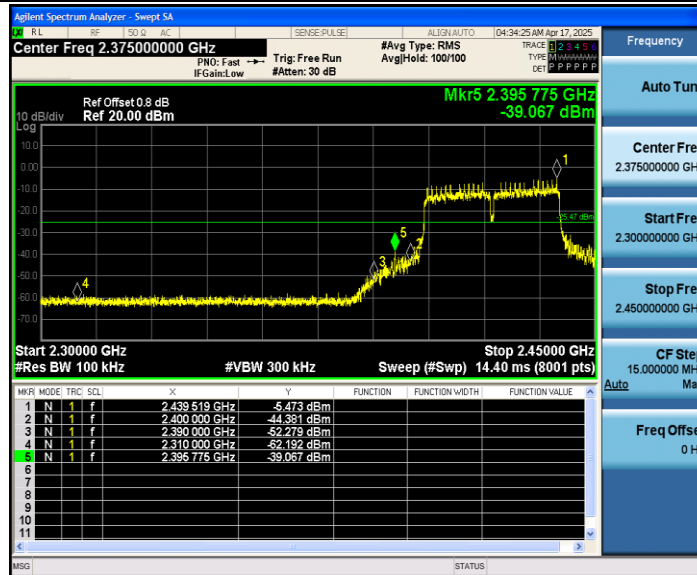
11N20SISO_Ant1_Low_2412



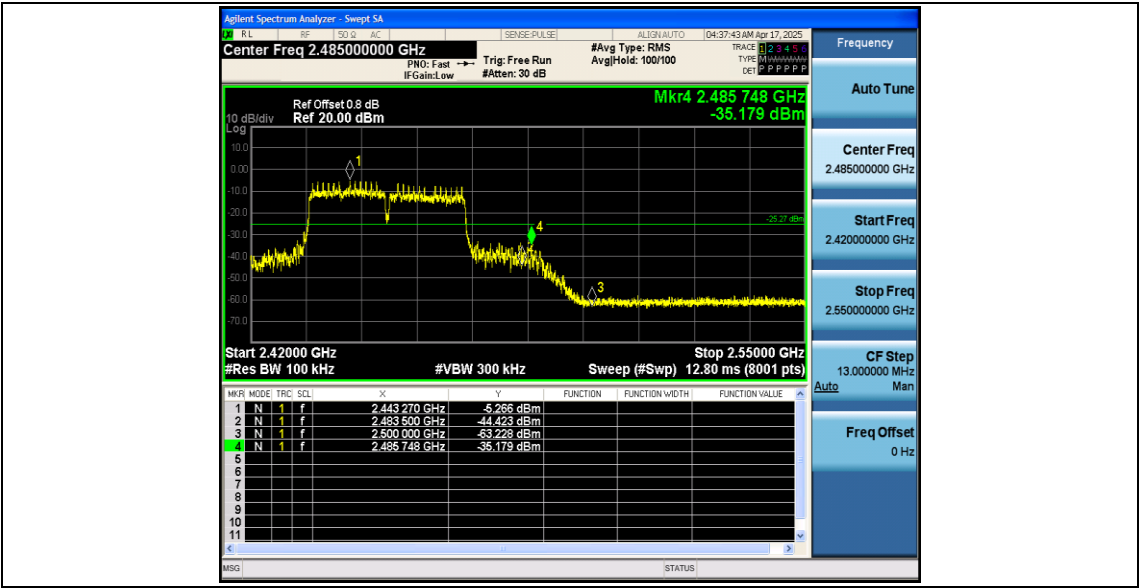
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

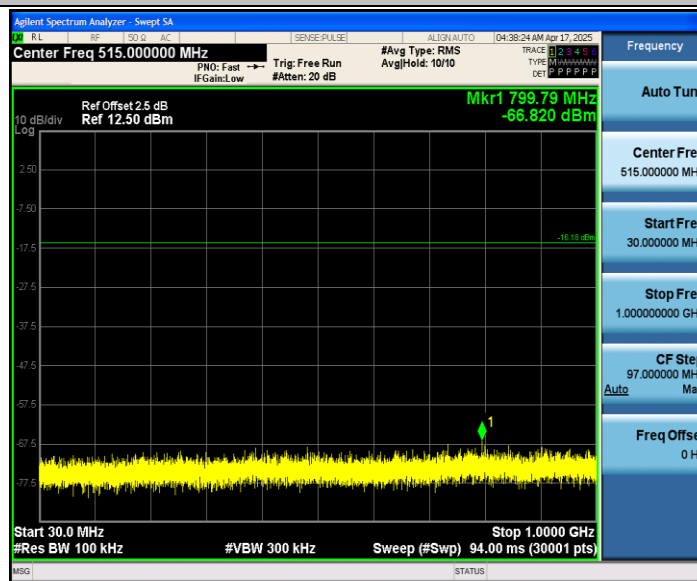
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.82	3.82	---	PASS
			30~1000	3.82	-66.82	≤-16.18	PASS
			1000~26500	3.82	-39.46	≤-16.18	PASS
		2437	Reference	1.77	1.77	---	PASS
			30~1000	1.77	-67.81	≤-18.23	PASS
			1000~26500	1.77	-37.27	≤-18.23	PASS
		2462	Reference	4.15	4.15	---	PASS
			30~1000	4.15	-66.57	≤-15.85	PASS
			1000~26500	4.15	-30.95	≤-15.85	PASS
11G	Ant1	2412	Reference	-1.13	-1.13	---	PASS
			30~1000	-1.13	-67.53	≤-21.13	PASS
			1000~26500	-1.13	-51.9	≤-21.13	PASS
		2437	Reference	-1.77	-1.77	---	PASS
			30~1000	-1.77	-66.69	≤-21.77	PASS
			1000~26500	-1.77	-50.27	≤-21.77	PASS
		2462	Reference	-2.18	-2.18	---	PASS
			30~1000	-2.18	-67.06	≤-22.18	PASS
			1000~26500	-2.18	-44.77	≤-22.18	PASS
11N20SISO	Ant1	2412	Reference	-1.00	-1.00	---	PASS
			30~1000	-1.00	-68	≤-21	PASS
			1000~26500	-1.00	-48.73	≤-21	PASS
		2437	Reference	-2.35	-2.35	---	PASS
			30~1000	-2.35	-67.92	≤-22.35	PASS
			1000~26500	-2.35	-50.62	≤-22.35	PASS
		2462	Reference	-2.32	-2.32	---	PASS
			30~1000	-2.32	-68.26	≤-22.32	PASS
			1000~26500	-2.32	-44.43	≤-22.32	PASS
11N40SISO	Ant1	2422	Reference	-4.07	-4.07	---	PASS
			30~1000	-4.07	-67.79	≤-24.07	PASS
			1000~26500	-4.07	-51.59	≤-24.07	PASS
		2437	Reference	-4.31	-4.31	---	PASS
			30~1000	-4.31	-67.92	≤-24.31	PASS
			1000~26500	-4.31	-54.03	≤-24.31	PASS
		2452	Reference	-3.64	-3.64	---	PASS
			30~1000	-3.64	-67.95	≤-23.64	PASS
			1000~26500	-3.64	-51.72	≤-23.64	PASS

Test Graphs

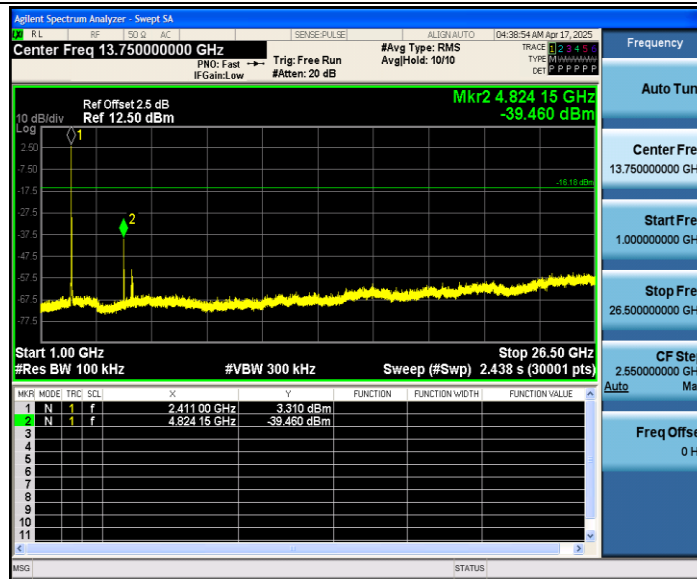
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

