

FCC Appendix RF Test Data

FCC ID : RIJA11

Company : EPUDO(DongGuan)Digital Technology Co.Ltd

EUT : Tablet PC

Model Number : EC319/A11

Report No. : CTA25061700203

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	9.560	2407.480	2417.040	0.5	PASS
		2437	9.120	2432.480	2441.600	0.5	PASS
		2462	9.560	2457.480	2467.040	0.5	PASS
11G	Ant1	2412	15.680	2403.880	2419.560	0.5	PASS
		2437	15.720	2429.440	2445.160	0.5	PASS
		2462	15.720	2453.840	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.800	2403.800	2419.600	0.5	PASS
		2437	15.960	2429.440	2445.400	0.5	PASS
		2462	16.080	2453.480	2469.560	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.400	2440.080	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	30.000	2434.480	2464.480	0.5	PASS

Test Graphs

11B_Ant1_2412



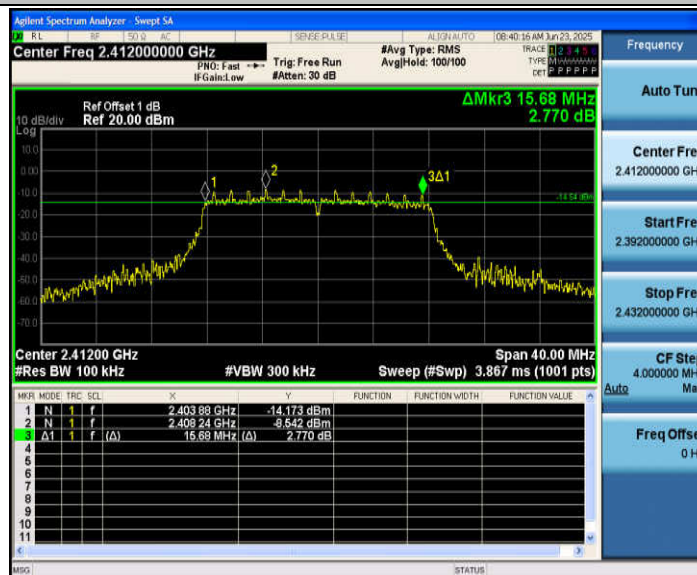
11B_Ant1_2437



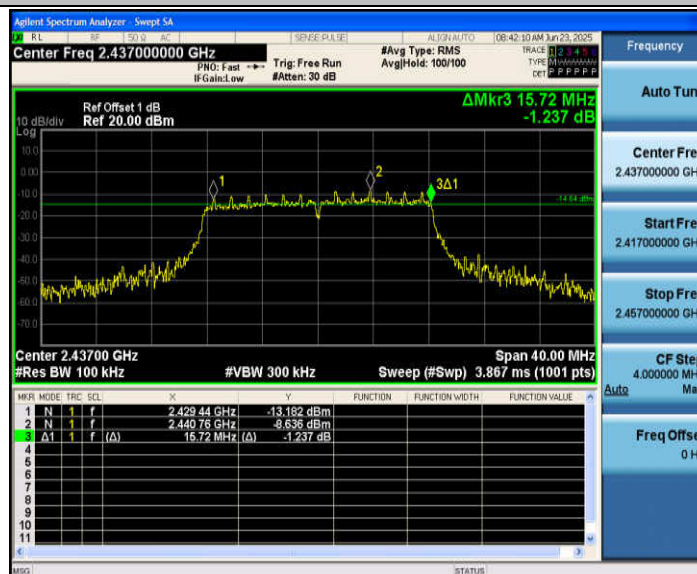
11B_Ant1_2462



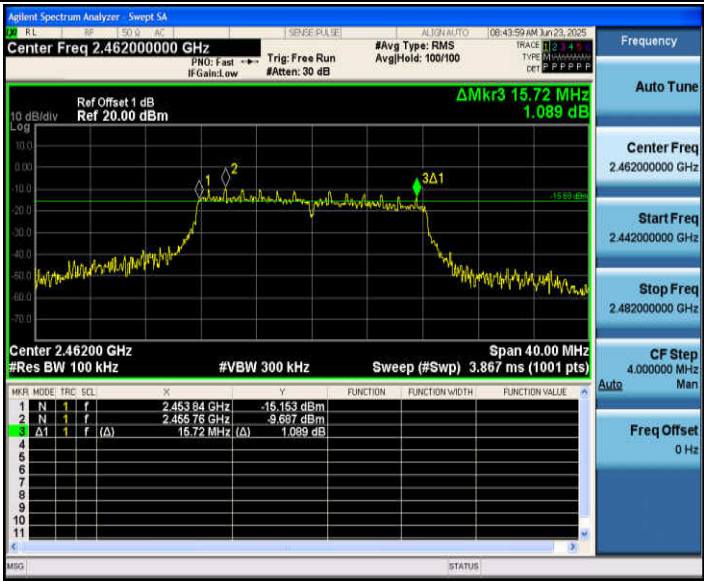
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



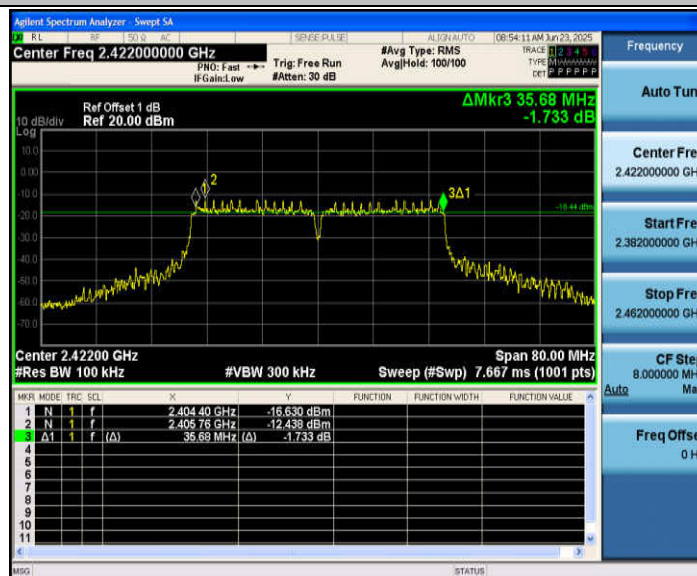
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



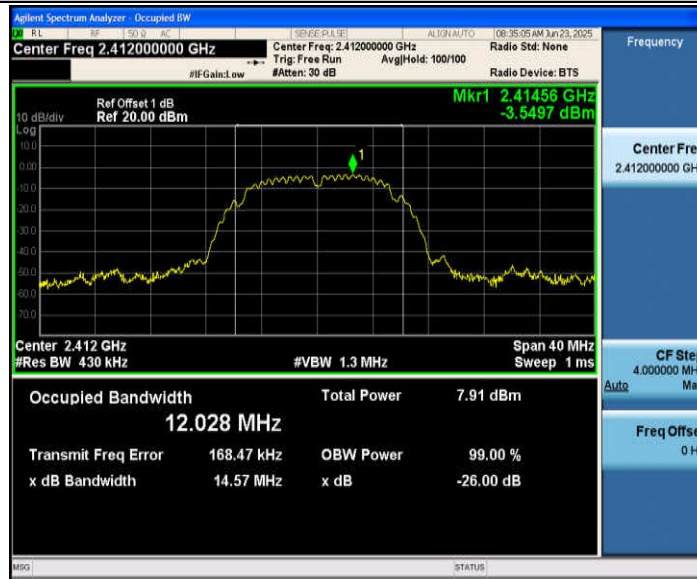
Appendix B: Occupied Channel Bandwidth

Test Result

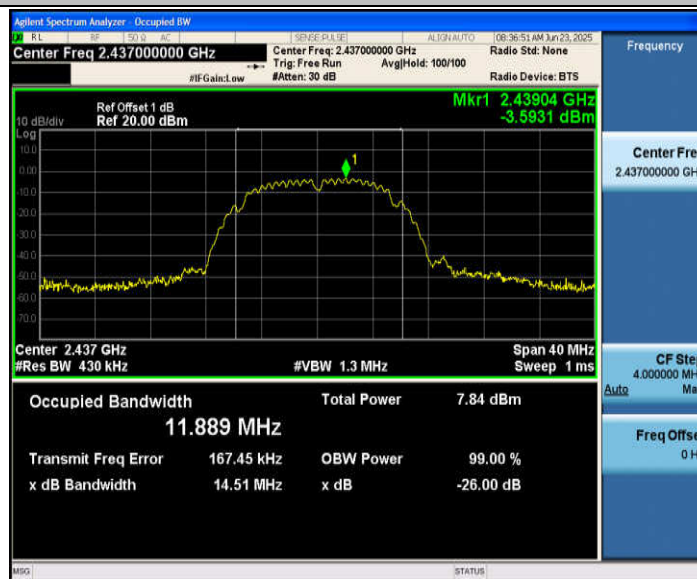
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.028	2406.1545	2418.1825	---	---
		2437	11.889	2431.2230	2443.1120	---	---
		2462	12.040	2456.1073	2468.1473	---	---
11G	Ant1	2412	16.576	2403.7069	2420.2829	---	---
		2437	16.594	2428.8256	2445.4196	---	---
		2462	16.731	2453.4951	2470.2261	---	---
11N20SISO	Ant1	2412	17.612	2403.1979	2420.8099	---	---
		2437	17.608	2428.3231	2445.9311	---	---
		2462	17.783	2452.9214	2470.7044	---	---
11N40SISO	Ant1	2422	36.422	2403.9290	2440.3510	---	---
		2437	36.036	2419.0639	2455.0999	---	---
		2452	35.786	2434.0066	2469.7926	---	---

Test Graphs

11B_Ant1_2412



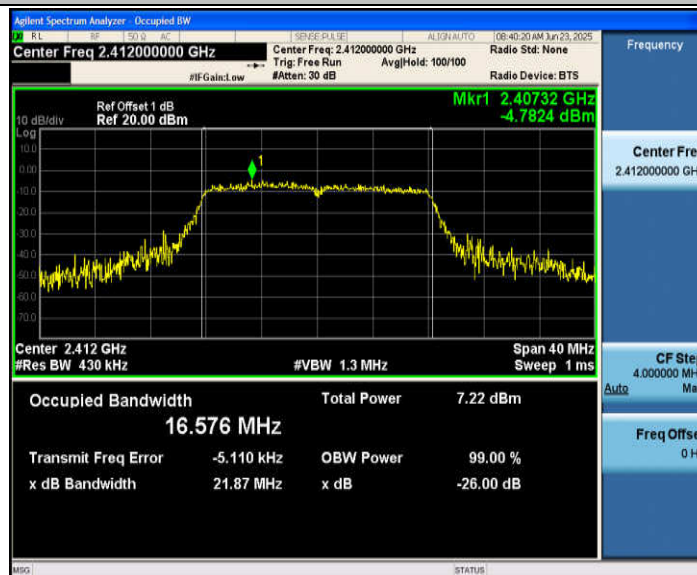
11B_Ant1_2437



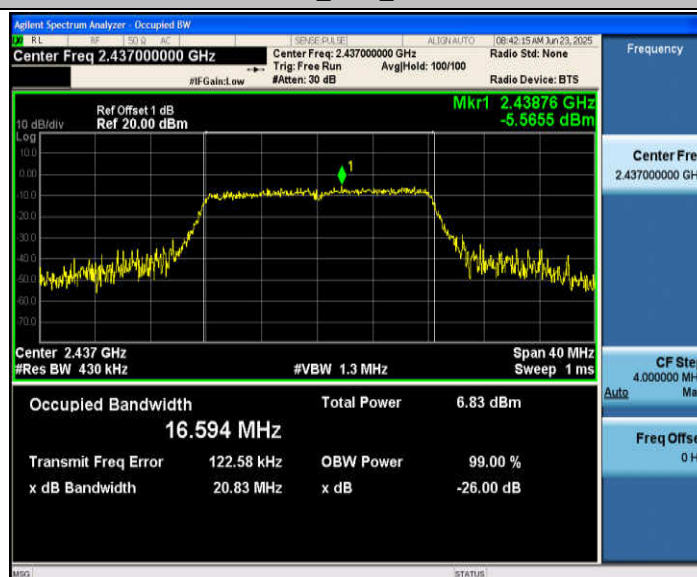
11B_Ant1_2462



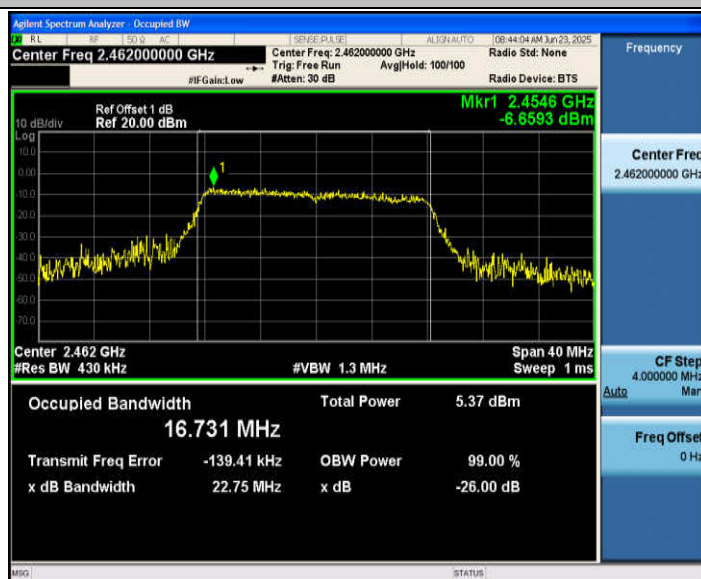
11G_Ant1_2412



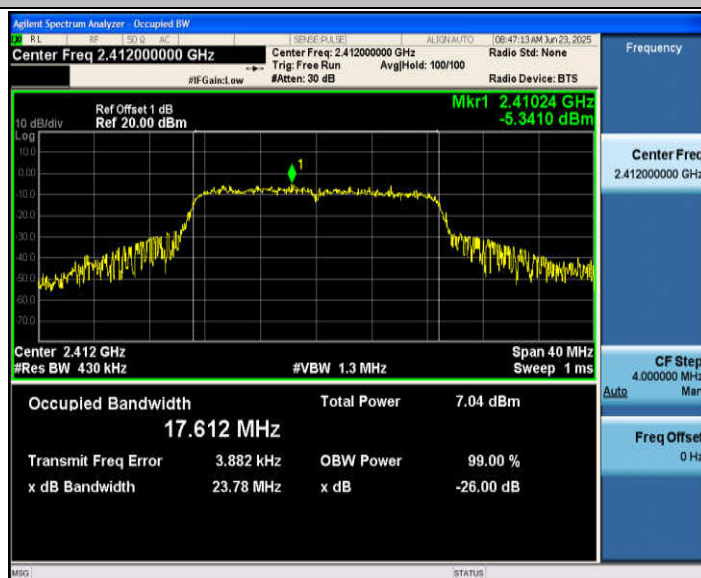
11G_Ant1_2437



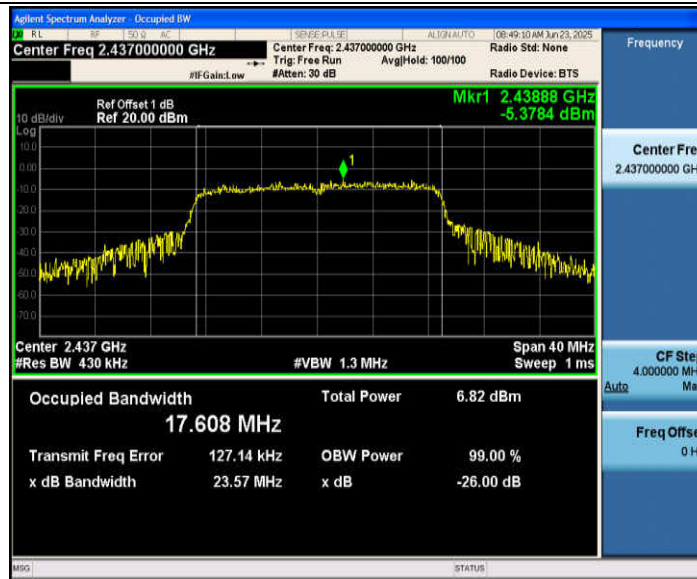
11G_Ant1_2462



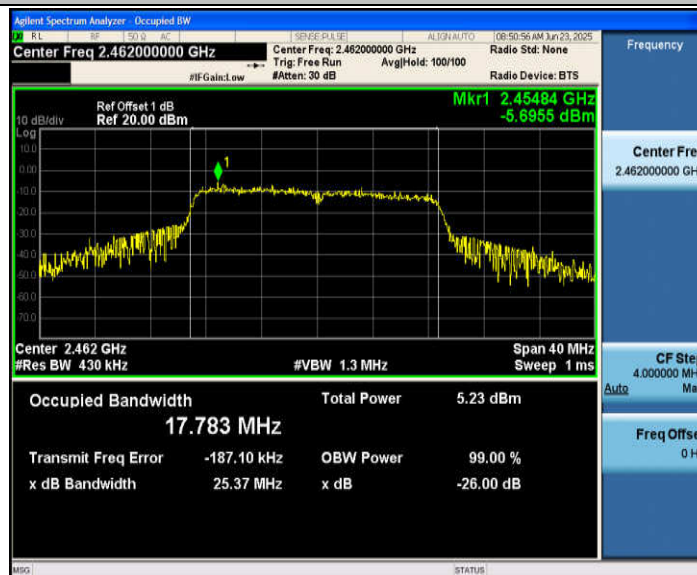
11N20SISO_Ant1_2412



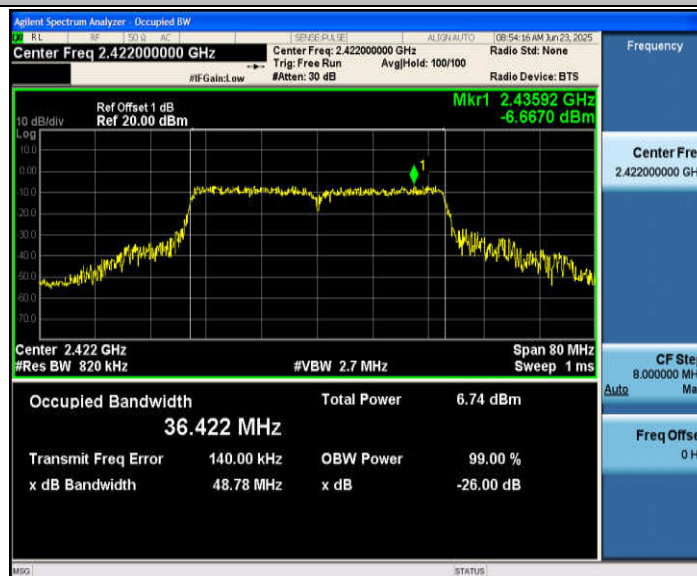
11N20SISO_Ant1_2437



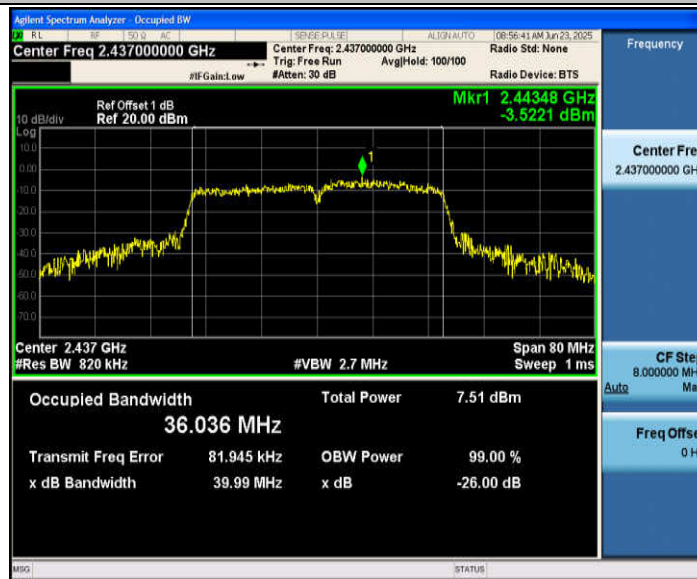
11N20SISO_Ant1_2462



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	7.79	≤30.00	PASS
		2437	7.68	≤30.00	PASS
		2462	6.82	≤30.00	PASS
11G	Ant1	2412	7.80	≤30.00	PASS
		2437	7.54	≤30.00	PASS
		2462	5.77	≤30.00	PASS
11N20SISO	Ant1	2412	7.65	≤30.00	PASS
		2437	7.21	≤30.00	PASS
		2462	5.69	≤30.00	PASS
11N40SISO	Ant1	2422	6.83	≤30.00	PASS
		2437	7.67	≤30.00	PASS
		2452	6.72	≤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	-17.52	≤8.00	PASS
		2437	-17.97	≤8.00	PASS
		2462	-18.68	≤8.00	PASS
11G	Ant1	2412	-24.21	≤8.00	PASS
		2437	-24.78	≤8.00	PASS
		2462	-25.62	≤8.00	PASS
11N20SISO	Ant1	2412	-24.30	≤8.00	PASS
		2437	-24.67	≤8.00	PASS
		2462	-25.71	≤8.00	PASS
11N40SISO	Ant1	2422	-28.84	≤8.00	PASS
		2437	-26.40	≤8.00	PASS
		2452	-26.51	≤8.00	PASS

Test Graphs

11B_Ant1_2412



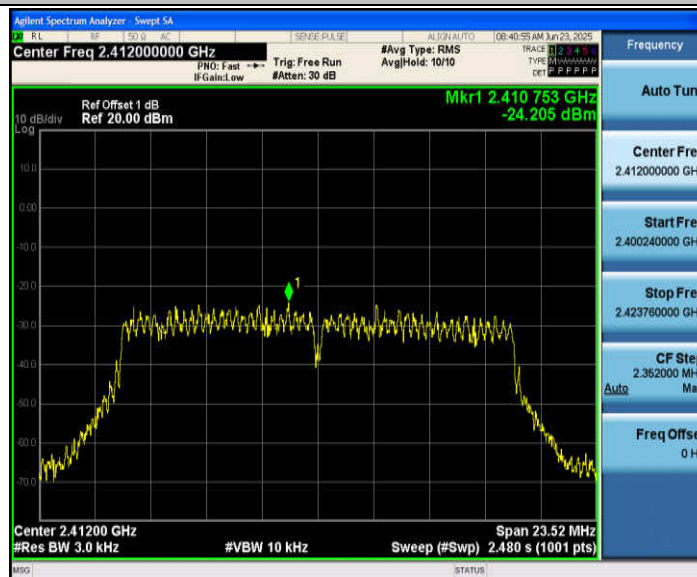
11B_Ant1_2437



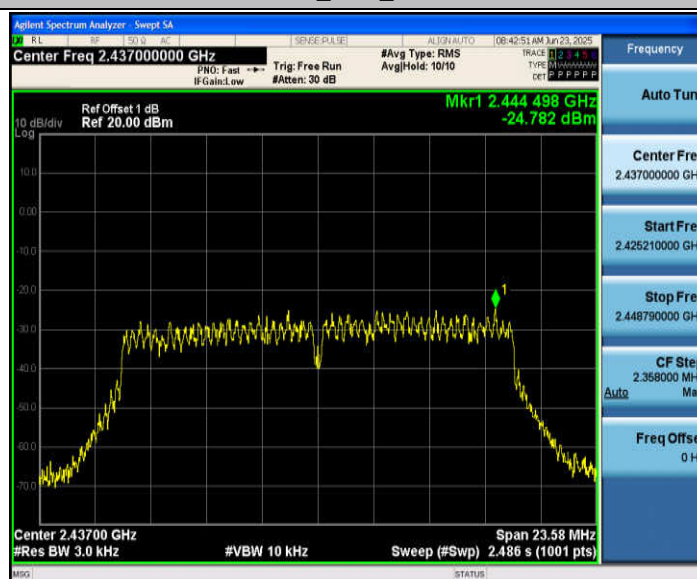
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



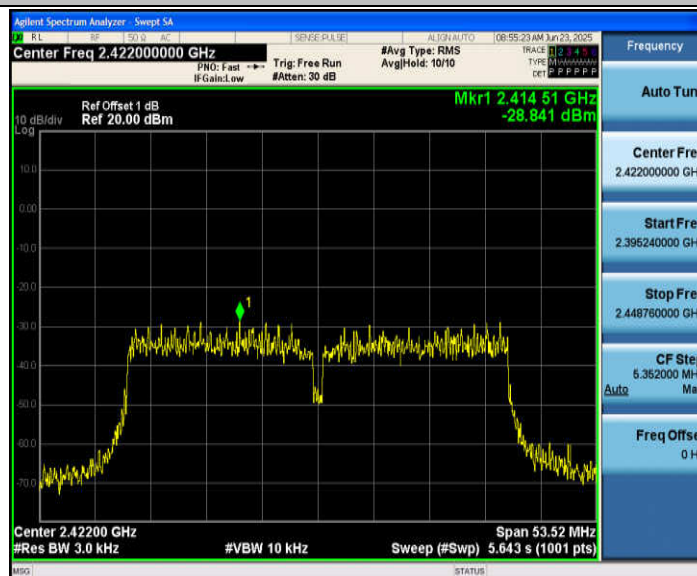
11N20SISO_Ant1_2437



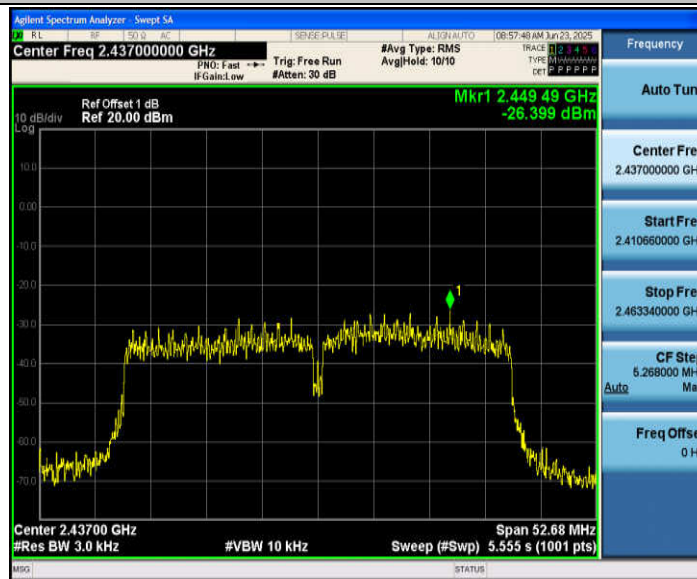
11N20SISO_Ant1_2462



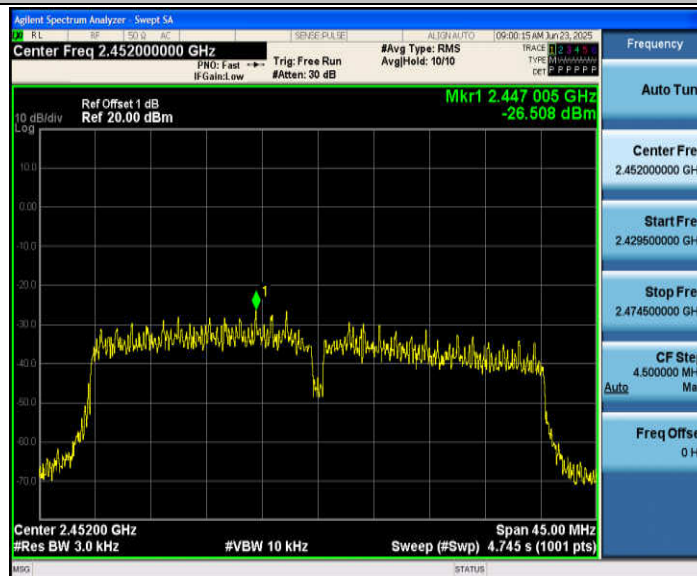
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



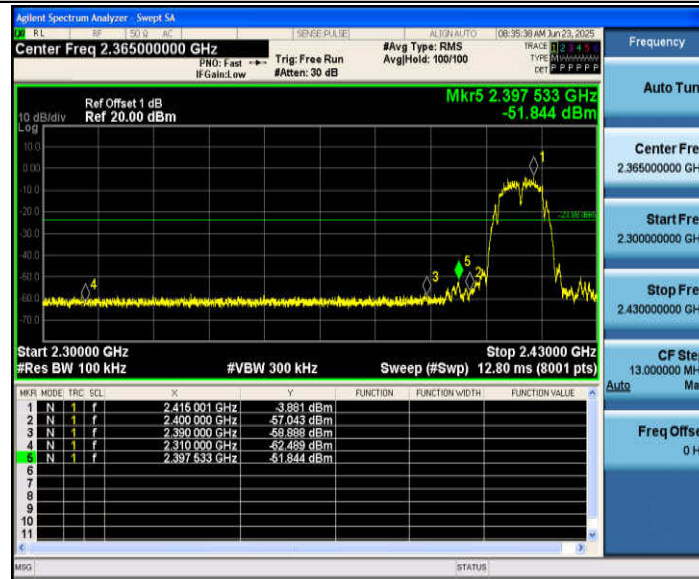
Appendix E: Band edge measurements

Test Result

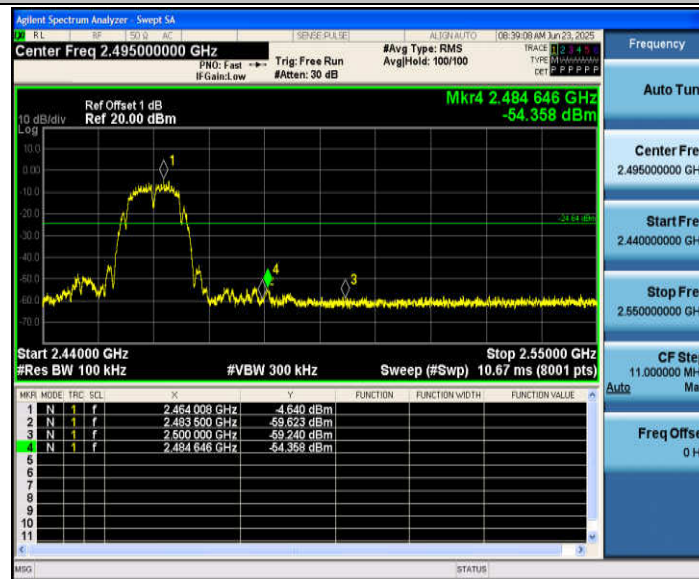
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.88	-51.84	≤-23.88	PASS
		High	2462	-4.64	-54.36	≤-24.64	PASS
11G	Ant1	Low	2412	-8.60	-41.55	≤-28.6	PASS
		High	2462	-9.55	-52.84	≤-29.55	PASS
11N20SISO	Ant1	Low	2412	-8.77	-42.78	≤-28.77	PASS
		High	2462	-9.52	-54.71	≤-29.52	PASS
11N40SISO	Ant1	Low	2422	-12.43	-44.08	≤-32.43	PASS
		High	2452	-10.83	-47.78	≤-30.83	PASS

Test Graphs

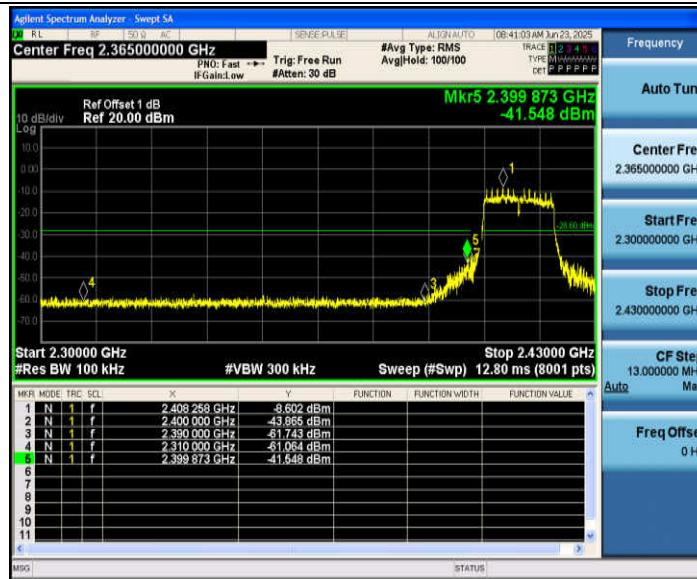
11B_Ant1_Low_2412



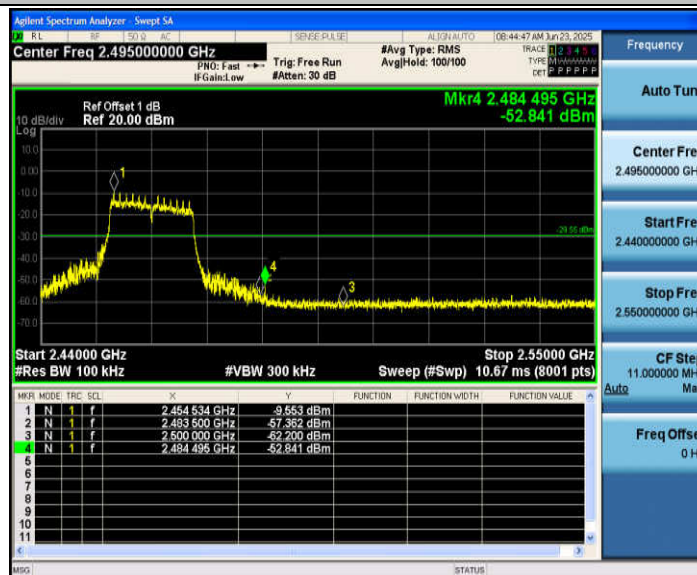
11B_Ant1_High_2462



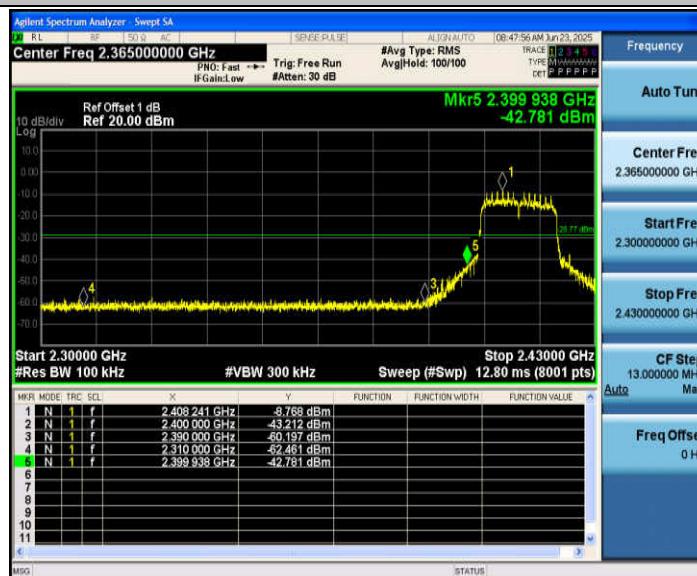
11G_Ant1_Low_2412



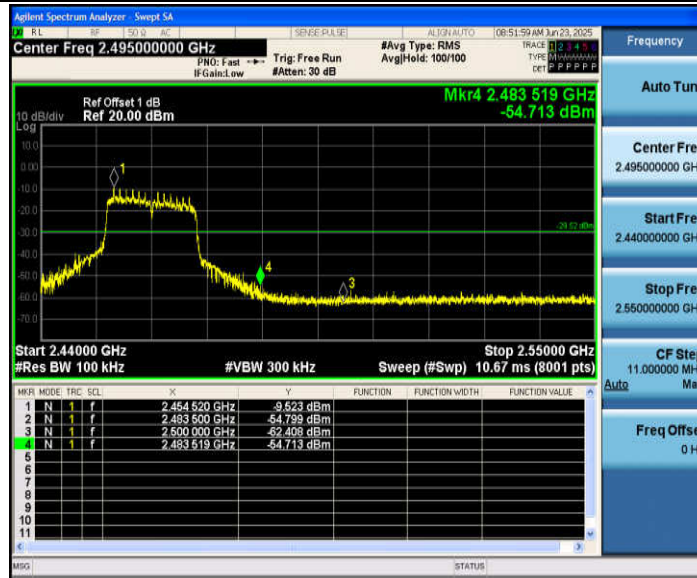
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



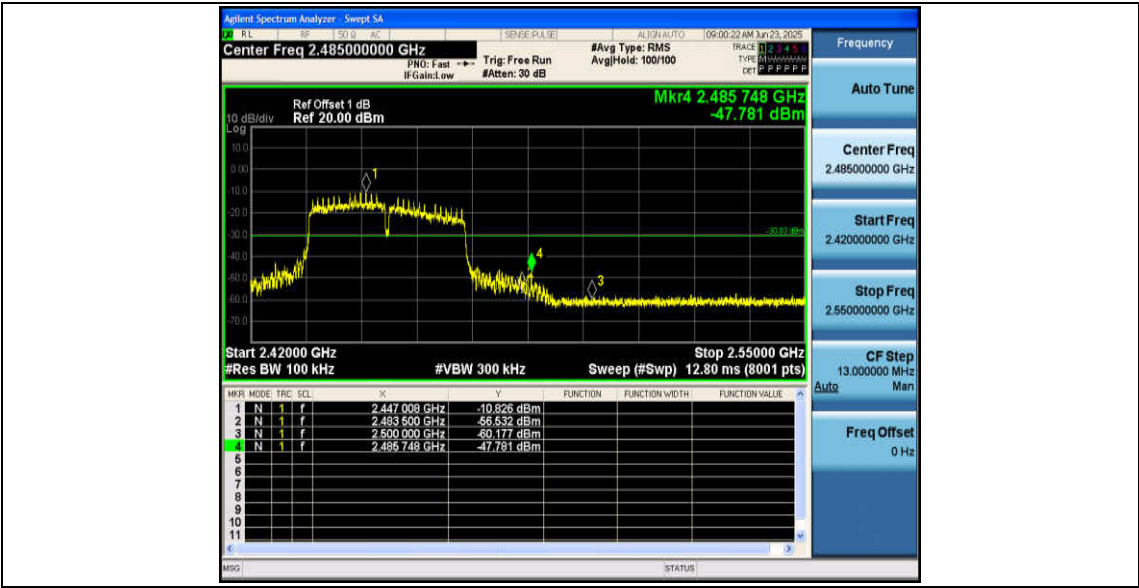
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix F: Conducted Spurious Emission

Test Result

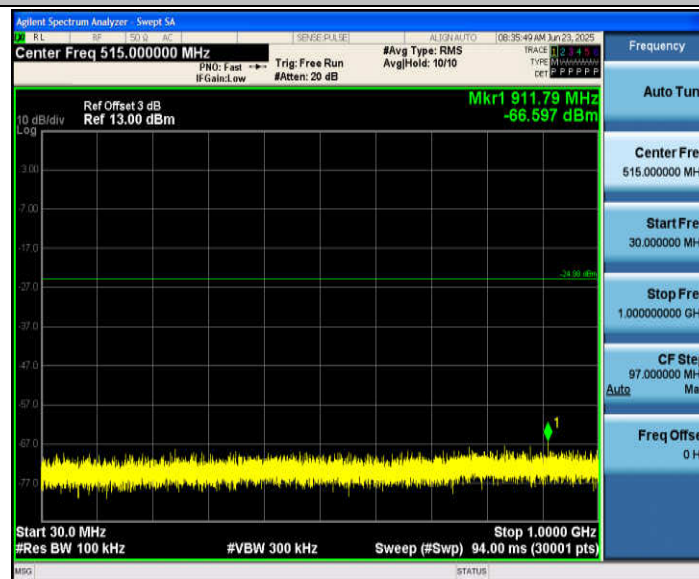
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-4.98	-4.98	---	PASS
			30~1000	-4.98	-66.6	≤-24.98	PASS
			1000~26500	-4.98	-49.63	≤-24.98	PASS
		2437	Reference	-5.41	-5.41	---	PASS
			30~1000	-5.41	-67.2	≤-25.41	PASS
			1000~26500	-5.41	-47.69	≤-25.41	PASS
		2462	Reference	-5.95	-5.95	---	PASS
			30~1000	-5.95	-66.25	≤-25.95	PASS
			1000~26500	-5.95	-41.69	≤-25.95	PASS
11G	Ant1	2412	Reference	-8.84	-8.84	---	PASS
			30~1000	-8.84	-67.99	≤-28.84	PASS
			1000~26500	-8.84	-46.73	≤-28.84	PASS
		2437	Reference	-9.12	-9.12	---	PASS
			30~1000	-9.12	-67.93	≤-29.12	PASS
			1000~26500	-9.12	-46.72	≤-29.12	PASS
		2462	Reference	-9.76	-9.76	---	PASS
			30~1000	-9.76	-67.18	≤-29.76	PASS
			1000~26500	-9.76	-43.74	≤-29.76	PASS
11N20SISO	Ant1	2412	Reference	-9.27	-9.27	---	PASS
			30~1000	-9.27	-67.13	≤-29.27	PASS
			1000~26500	-9.27	-49.54	≤-29.27	PASS
		2437	Reference	-9.11	-9.11	---	PASS
			30~1000	-9.11	-67.06	≤-29.11	PASS
			1000~26500	-9.11	-51.71	≤-29.11	PASS
		2462	Reference	-9.81	-9.81	---	PASS
			30~1000	-9.81	-67.25	≤-29.81	PASS
			1000~26500	-9.81	-54.91	≤-29.81	PASS
11N40SISO	Ant1	2422	Reference	-13.14	-13.14	---	PASS
			30~1000	-13.14	-67.39	≤-33.14	PASS
			1000~26500	-13.14	-54.78	≤-33.14	PASS
		2437	Reference	-11.46	-11.46	---	PASS
			30~1000	-11.46	-67.65	≤-31.46	PASS
			1000~26500	-11.46	-48.38	≤-31.46	PASS
		2452	Reference	-11.28	-11.28	---	PASS
			30~1000	-11.28	-41.86	≤-31.28	PASS
			1000~26500	-11.28	-54.79	≤-31.28	PASS

Test Graphs

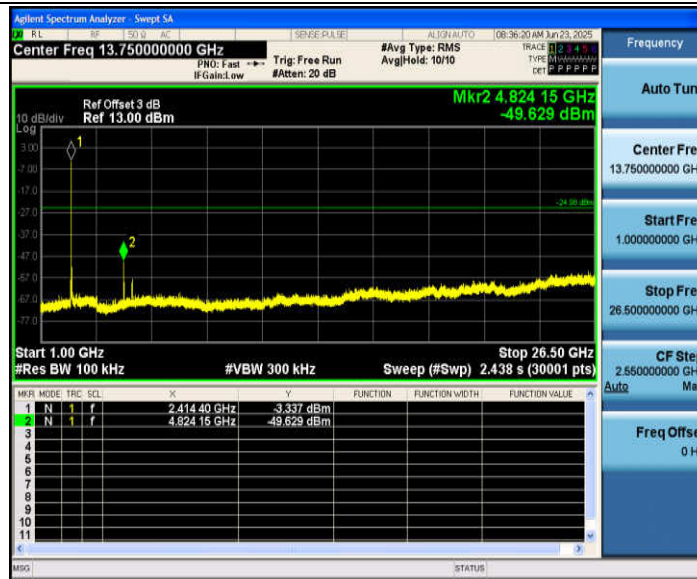
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



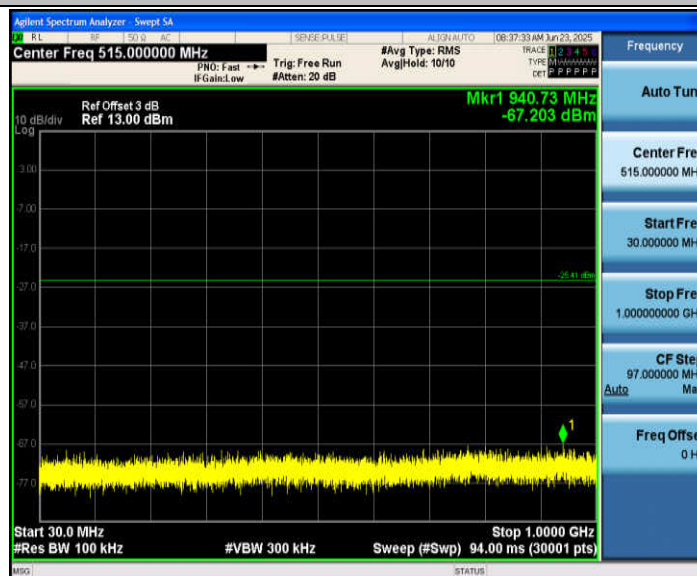
11B_Ant1_2412_1000~26500



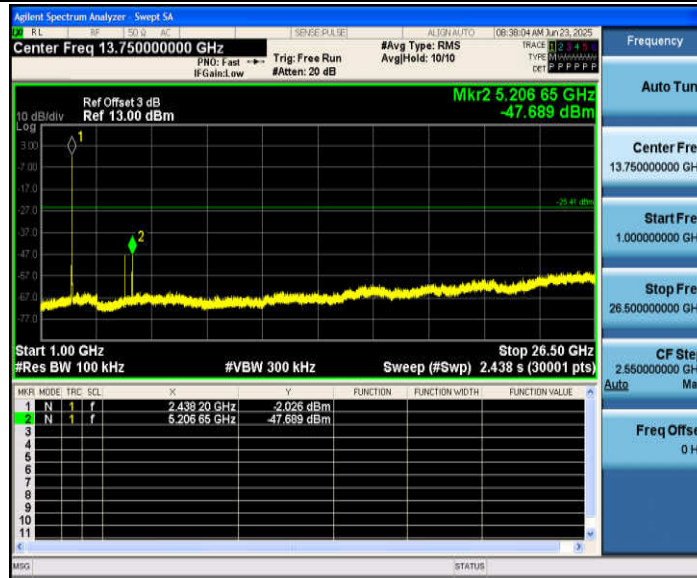
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



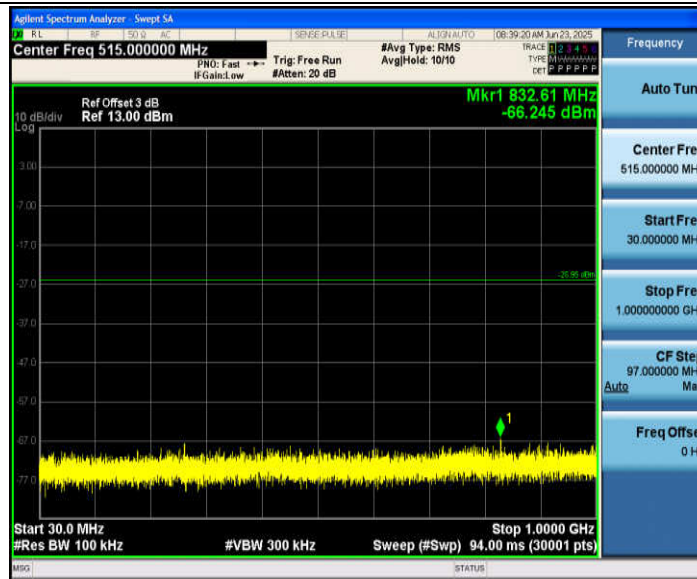
11B_Ant1_2437_1000~26500



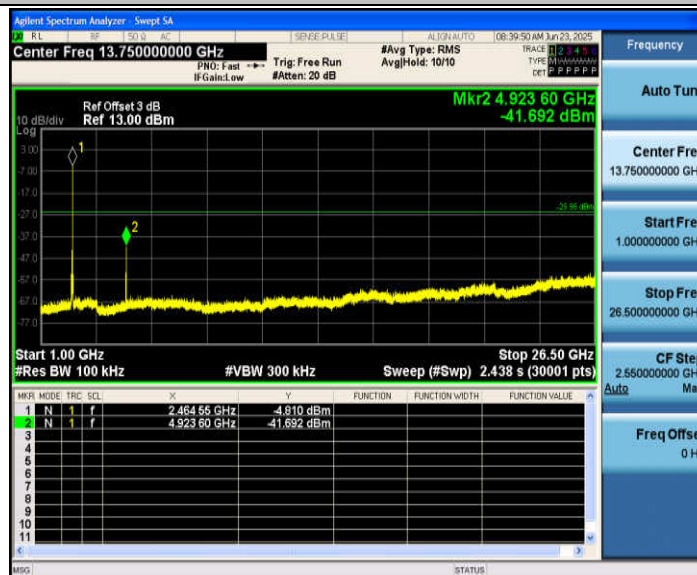
11B_Ant1_2462_0~Reference



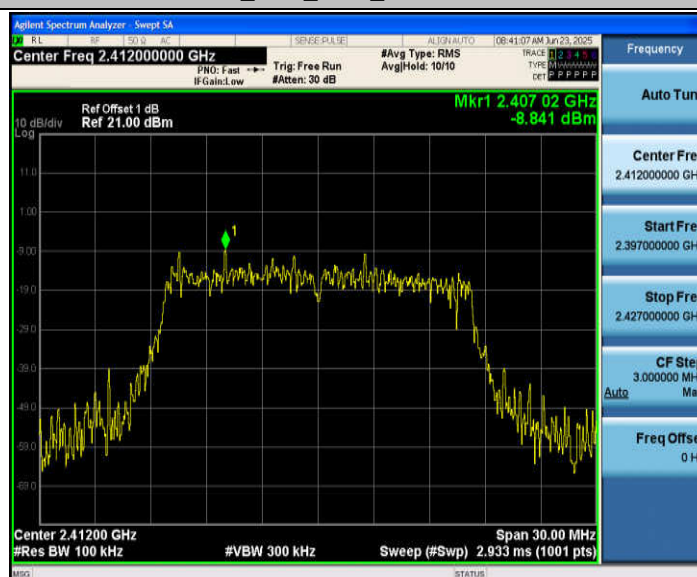
11B_Ant1_2462_30~1000



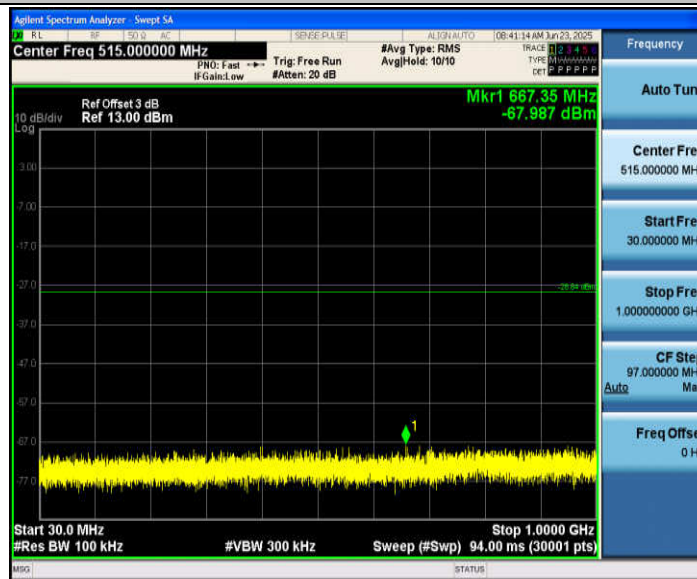
11B_Ant1_2462_1000~26500



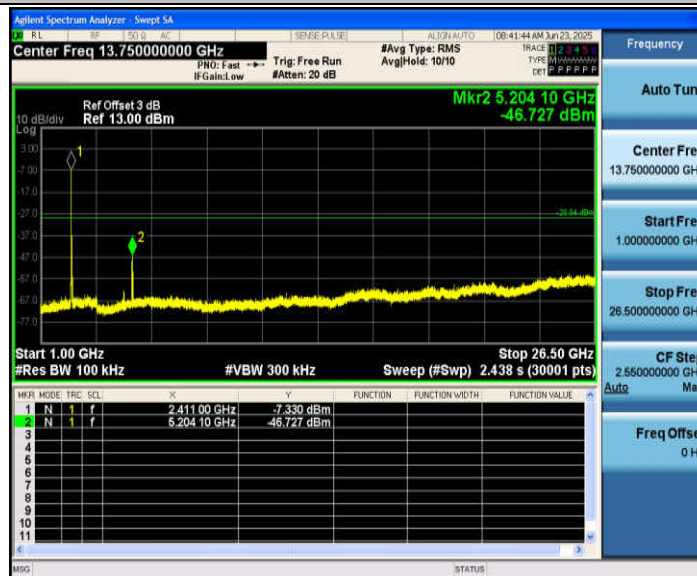
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



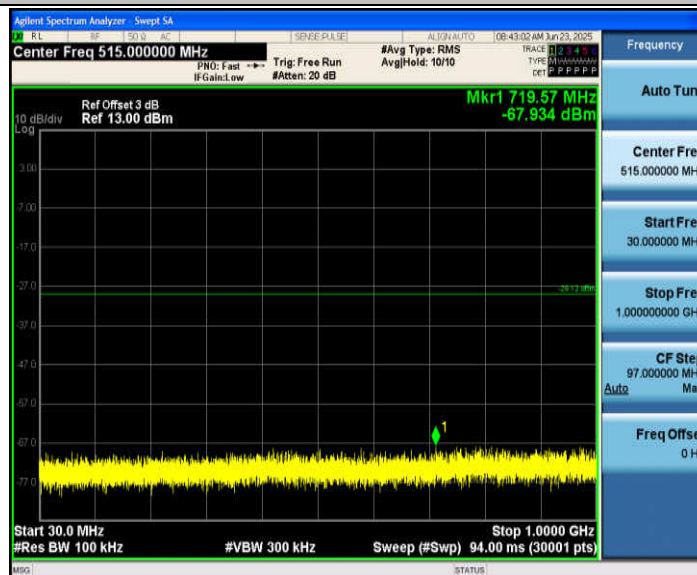
11G_Ant1_2412_1000~26500



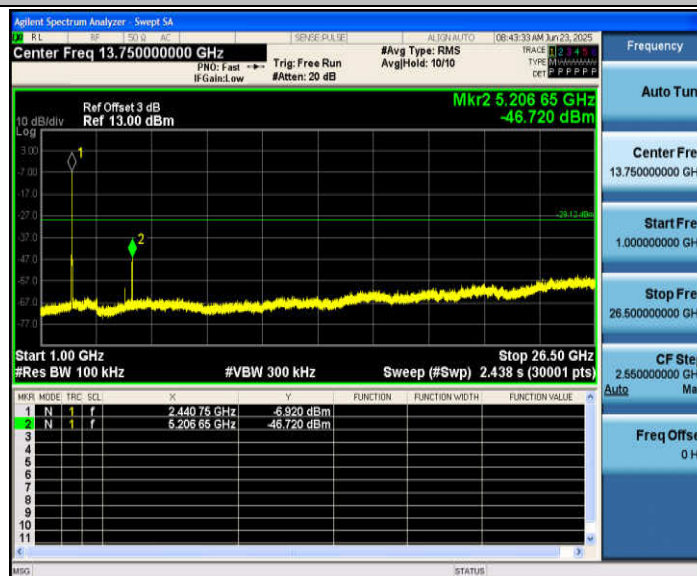
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



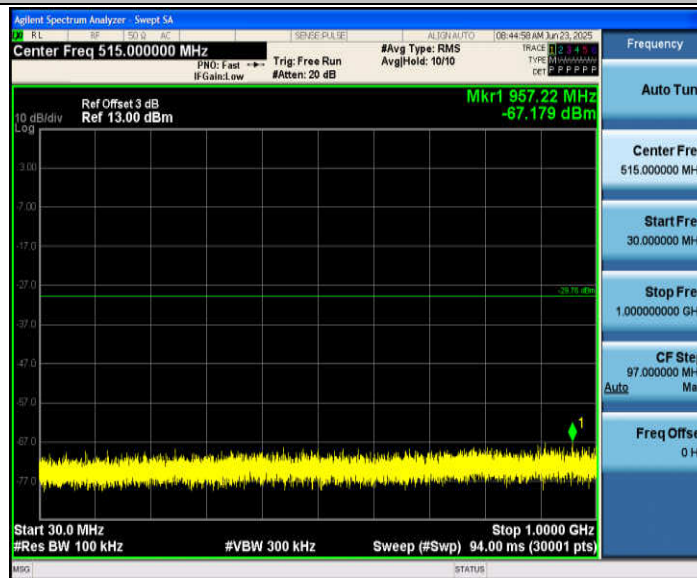
11G_Ant1_2437_1000~26500



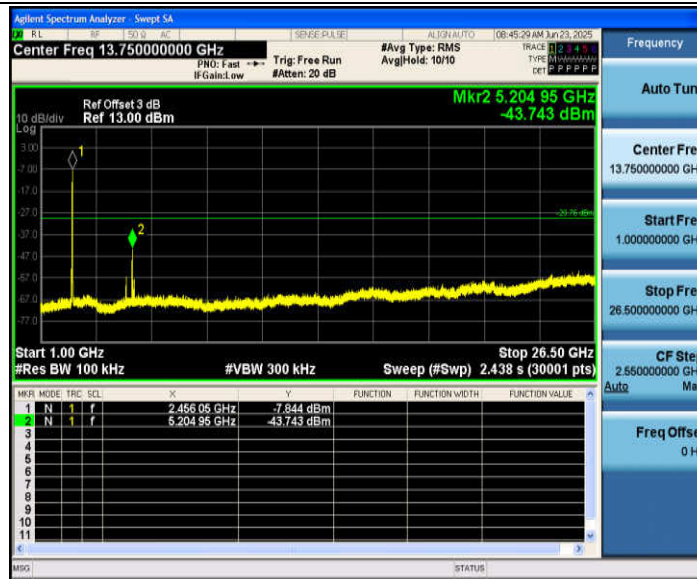
11G_Ant1_2462_0~Reference



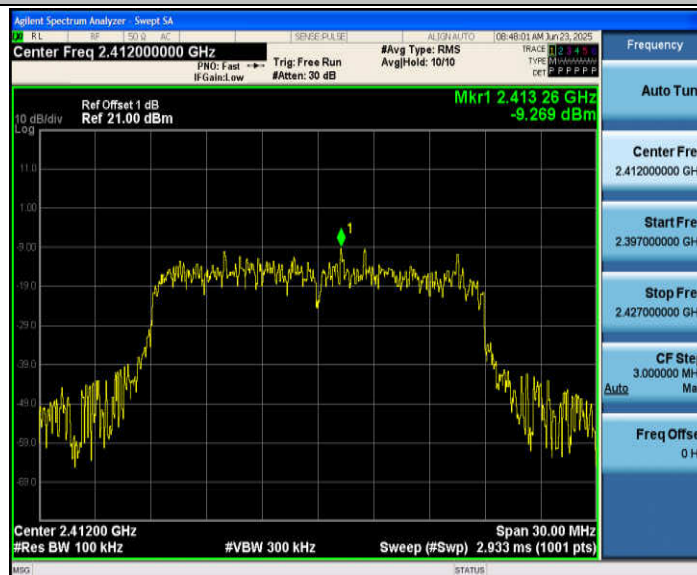
11G_Ant1_2462_30~1000



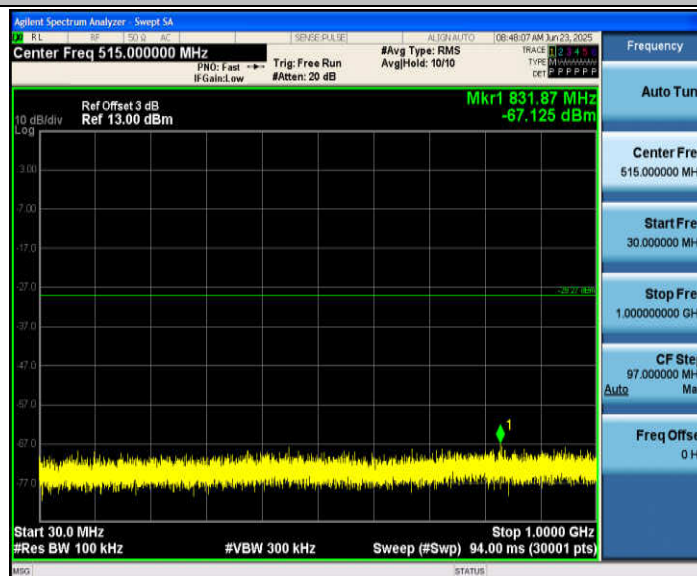
11G_Ant1_2462_1000~26500



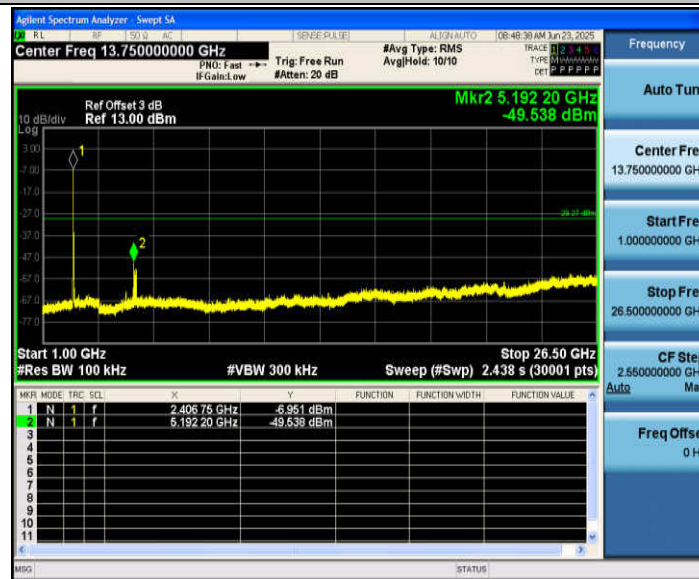
11N20ISO_Ant1_2412_0~Reference



11N20ISO_Ant1_2412_30~1000



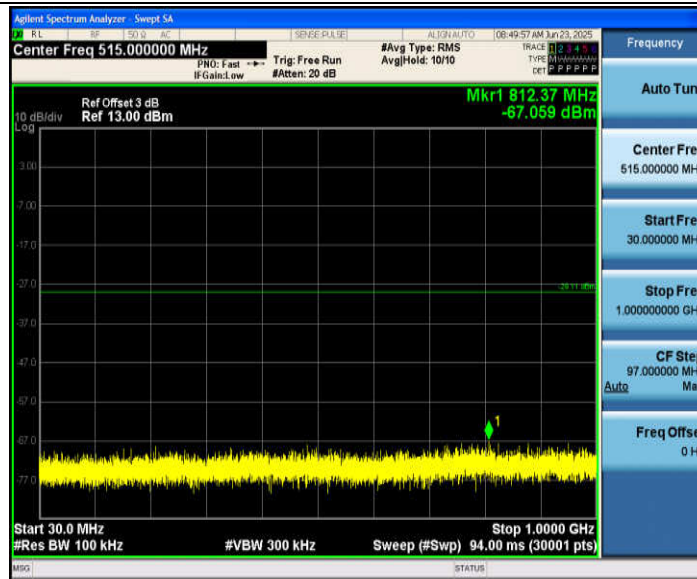
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



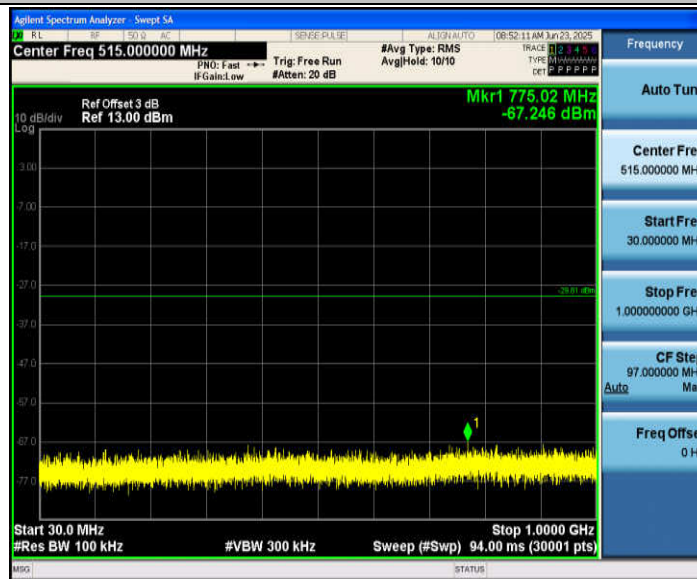
11N20SISO_Ant1_2437_1000~26500



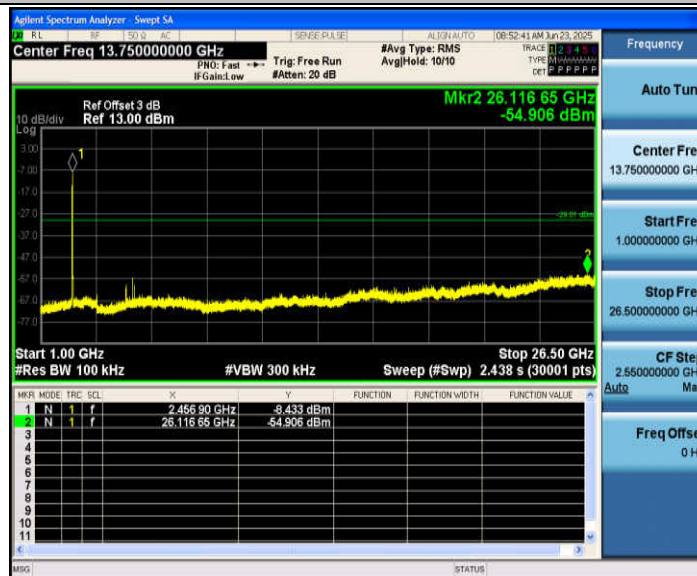
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



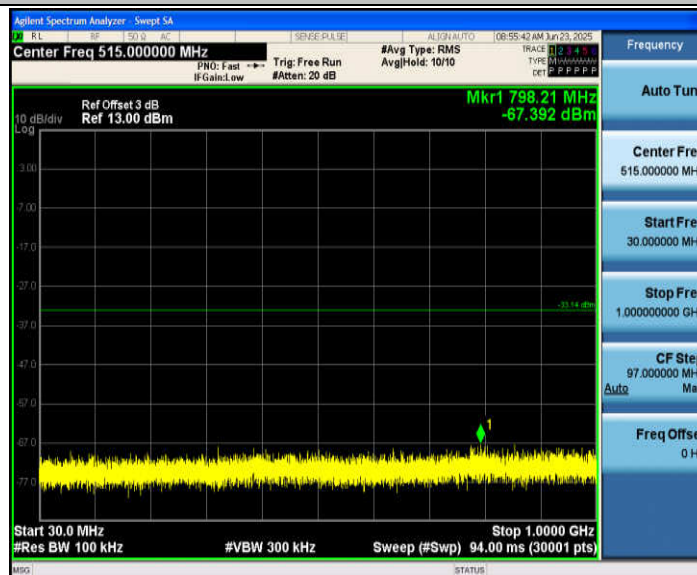
11N20SISO_Ant1_2462_1000~26500



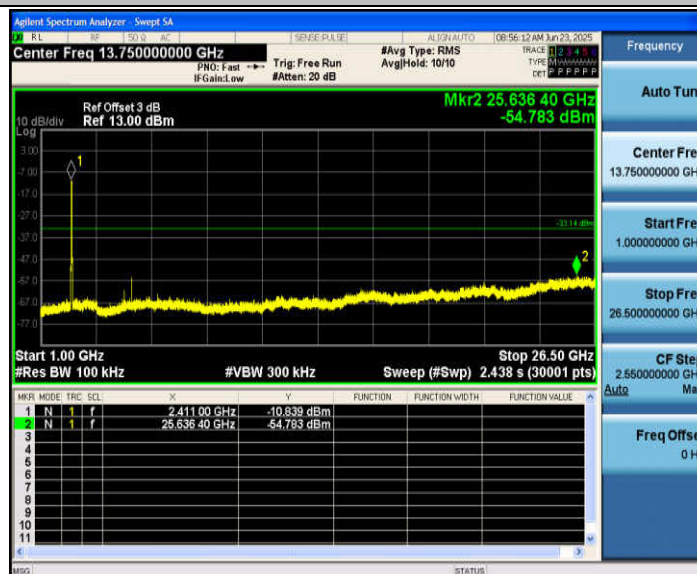
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



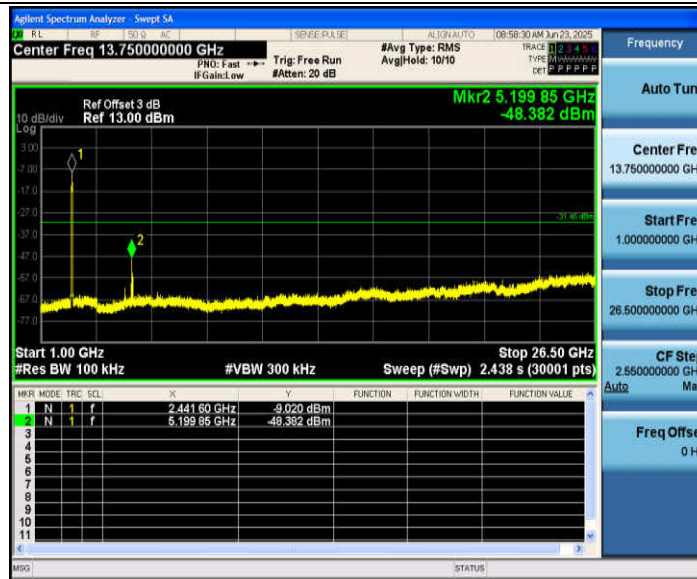
11N40SISO_Ant1_2437_0~Reference



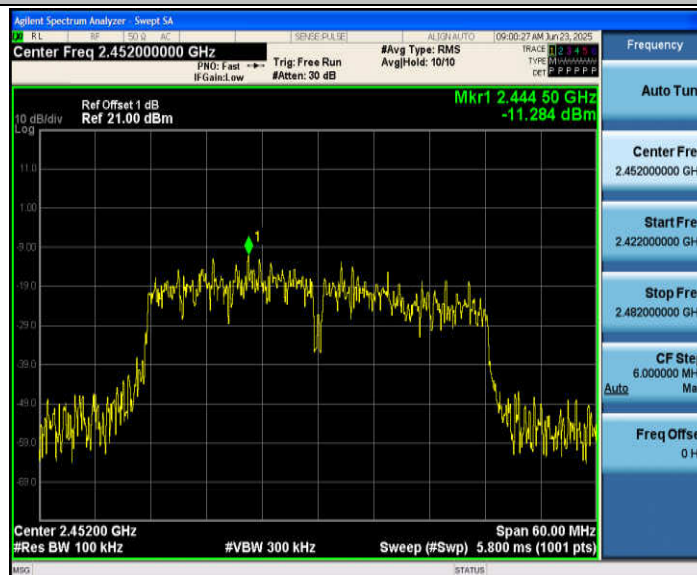
11N40SISO_Ant1_2437_30~1000



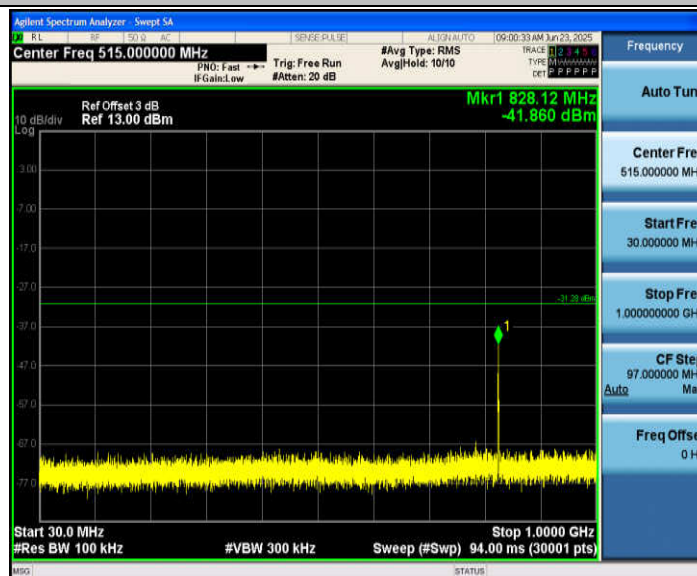
11N40SISO_Ant1_2437_1000~26500



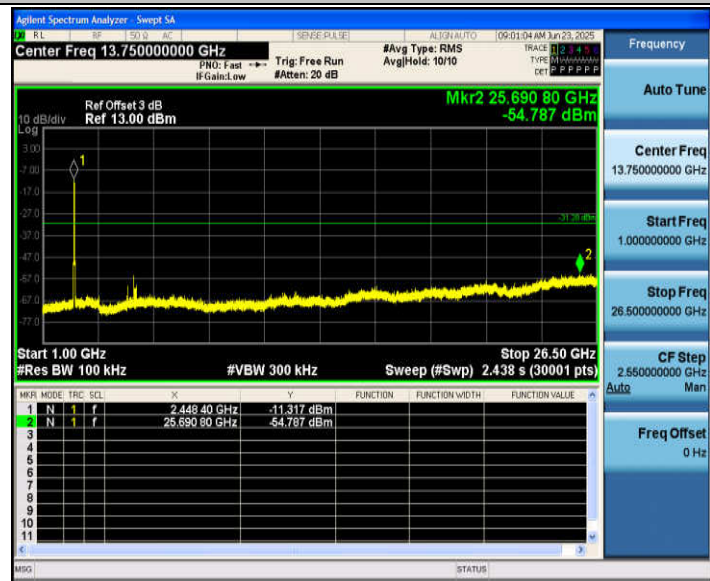
11N40ISO_Ant1_2452_0~Reference



11N40ISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



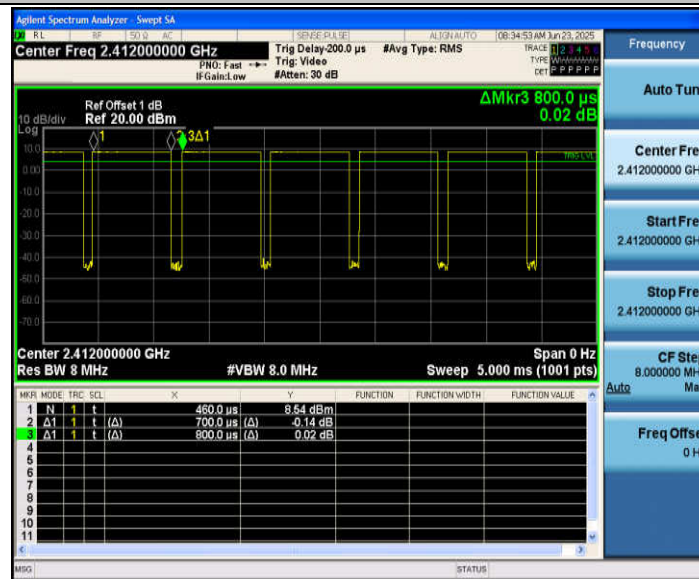
Appendix G: Duty Cycle

Test Result

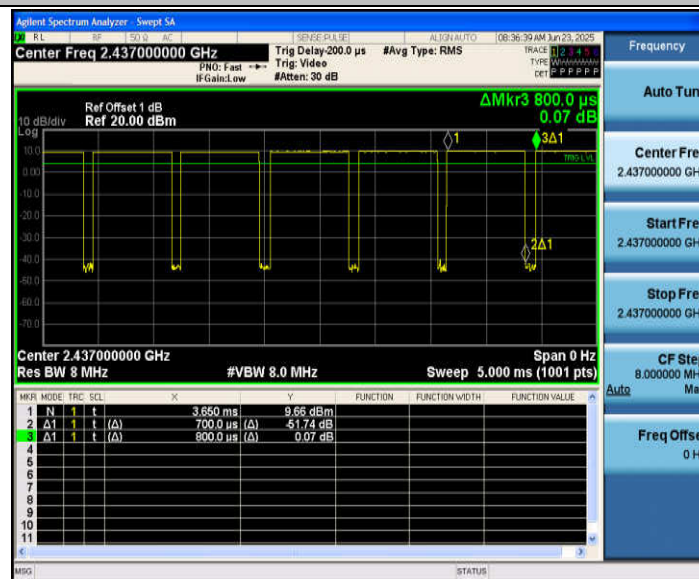
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	0.70	0.80	87.50
		2437	0.70	0.80	87.50
		2462	0.70	0.84	83.33
11G	Ant1	2412	0.11	0.30	36.67
		2437	0.11	0.30	36.67
		2462	0.11	0.32	34.38
11N20SISO	Ant1	2412	0.11	0.28	39.29
		2437	0.11	0.32	34.38
		2462	0.11	0.32	34.38
11N40SISO	Ant1	2422	0.07	0.26	26.92
		2437	0.07	0.29	24.14
		2452	0.07	0.29	24.14

Test Graphs

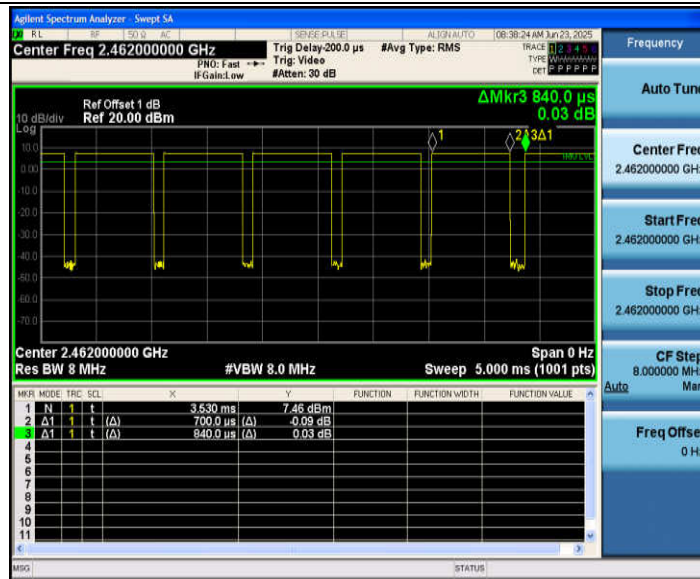
11B_Ant1_2412



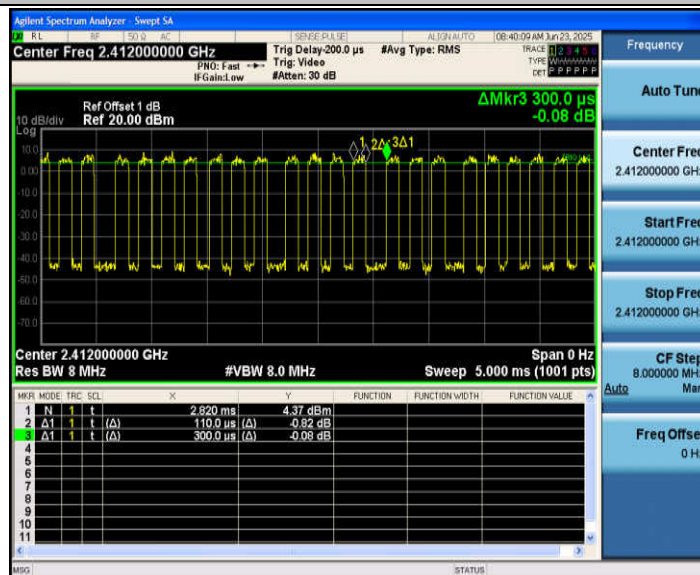
11B_Ant1_2437



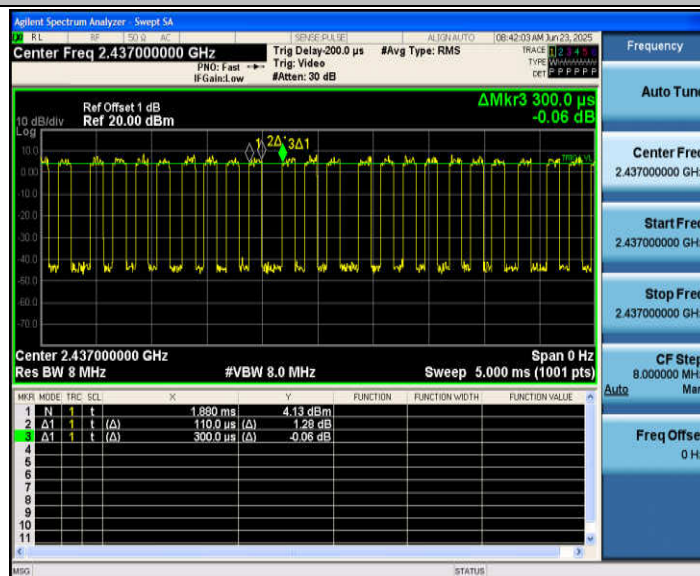
11B_Ant1_2462



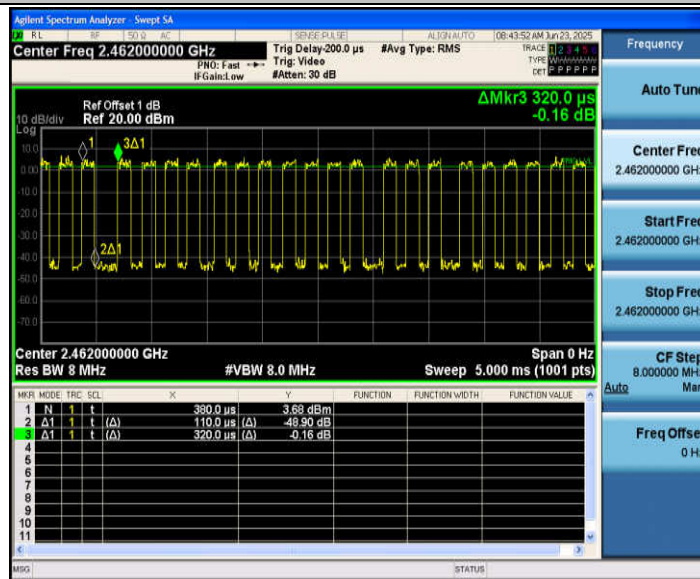
11G_Ant1_2412



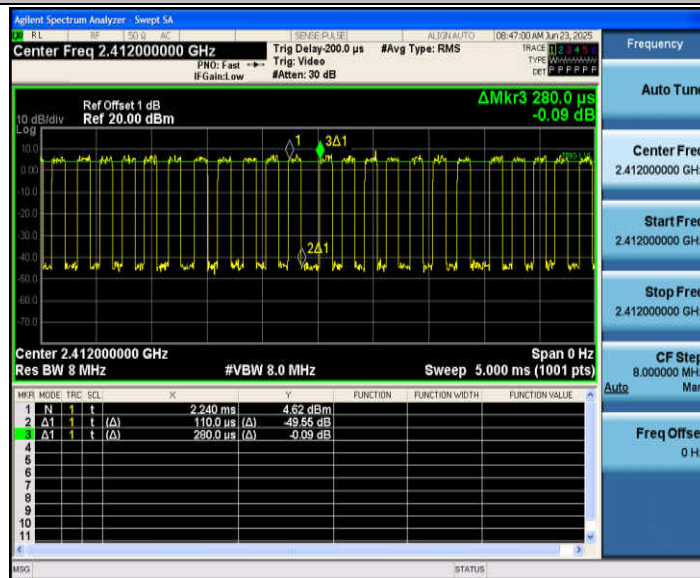
11G_Ant1_2437



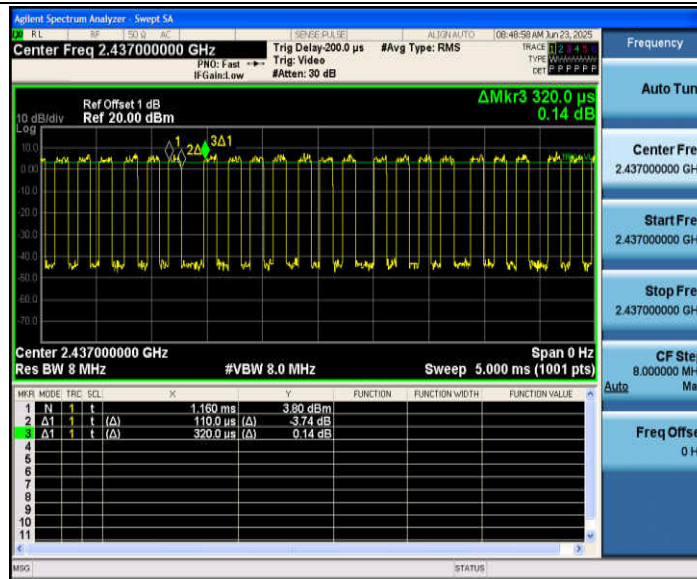
11G_Ant1_2462



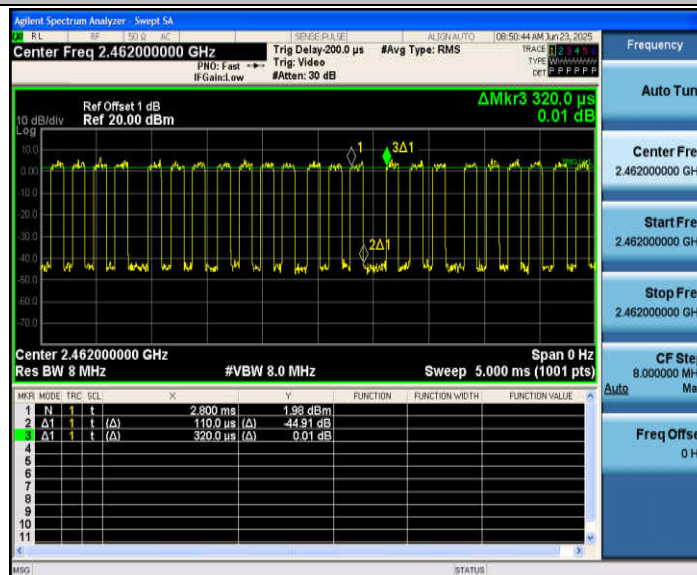
11N20SISO_Ant1_2412



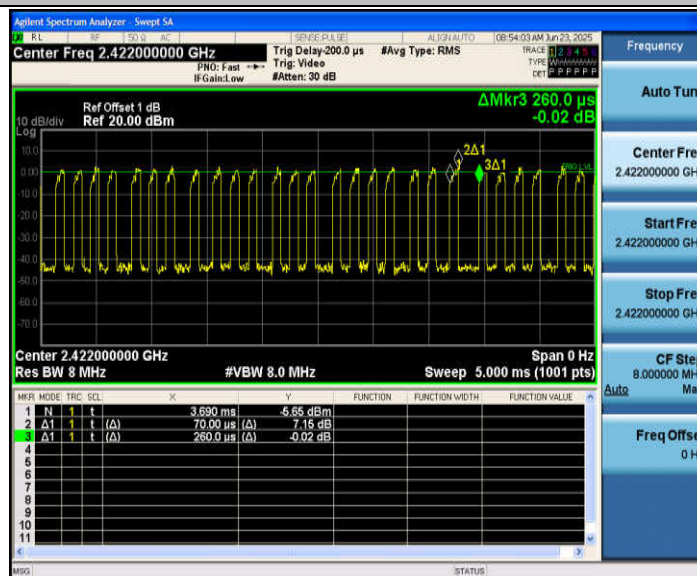
11N20SISO_Ant1_2437



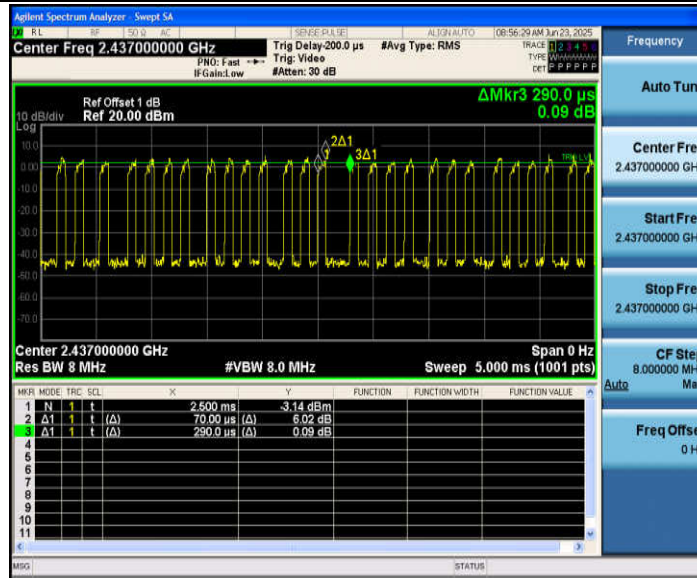
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

