

FCC Appendix RF Test Data

FCC ID : 2A35W-H96MAXH618

Company: : Shenzhen Haochuangyi Technology Co.,Ltd.

EUT : H96 Max H618

Model Number : H96 Max H618 MPlus

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	10.040	2406.960	2417.000	0.5	PASS
		2437	9.240	2432.320	2441.560	0.5	PASS
		2462	9.520	2457.000	2466.520	0.5	PASS
11G	Ant1	2412	15.760	2404.440	2420.200	0.5	PASS
		2437	15.720	2429.440	2445.160	0.5	PASS
		2462	16.280	2453.880	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.200	2404.440	2420.640	0.5	PASS
		2437	16.040	2429.440	2445.480	0.5	PASS
		2462	16.720	2453.920	2470.640	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	35.120	2434.400	2469.520	0.5	PASS
11AX20SISO	Ant1	2412	15.960	2404.560	2420.520	0.5	PASS
		2437	15.880	2429.440	2445.320	0.5	PASS
		2462	16.760	2453.760	2470.520	0.5	PASS
11AX40SISO	Ant1	2422	35.440	2404.480	2439.920	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



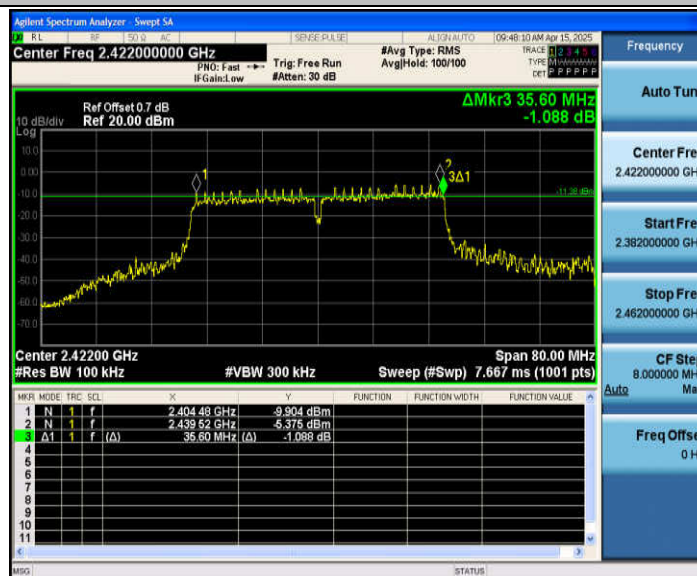
11N20SISO_Ant1_2437



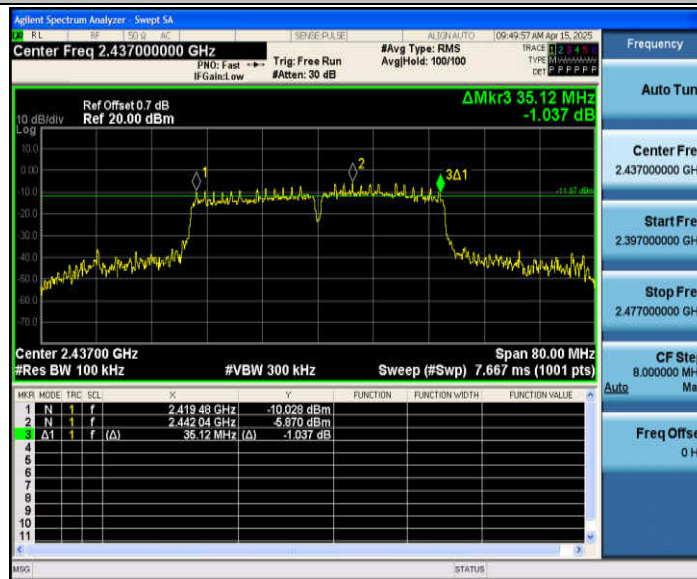
11N20SISO_Ant1_2462



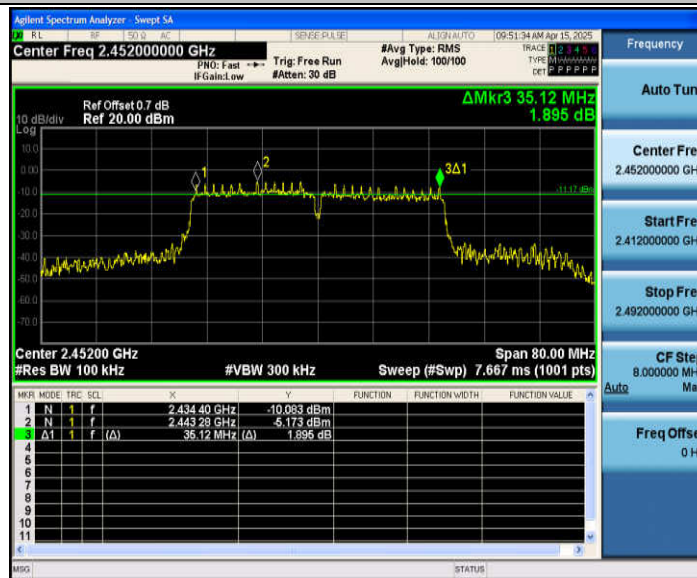
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



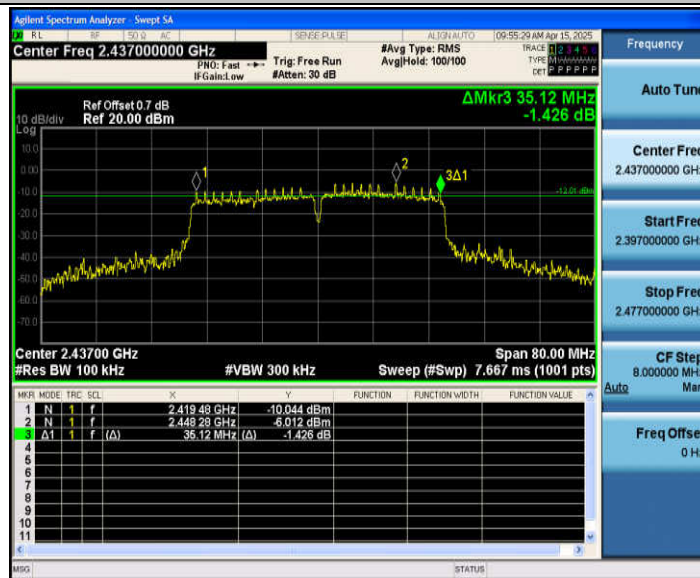
11AX20SISO_Ant1_2462



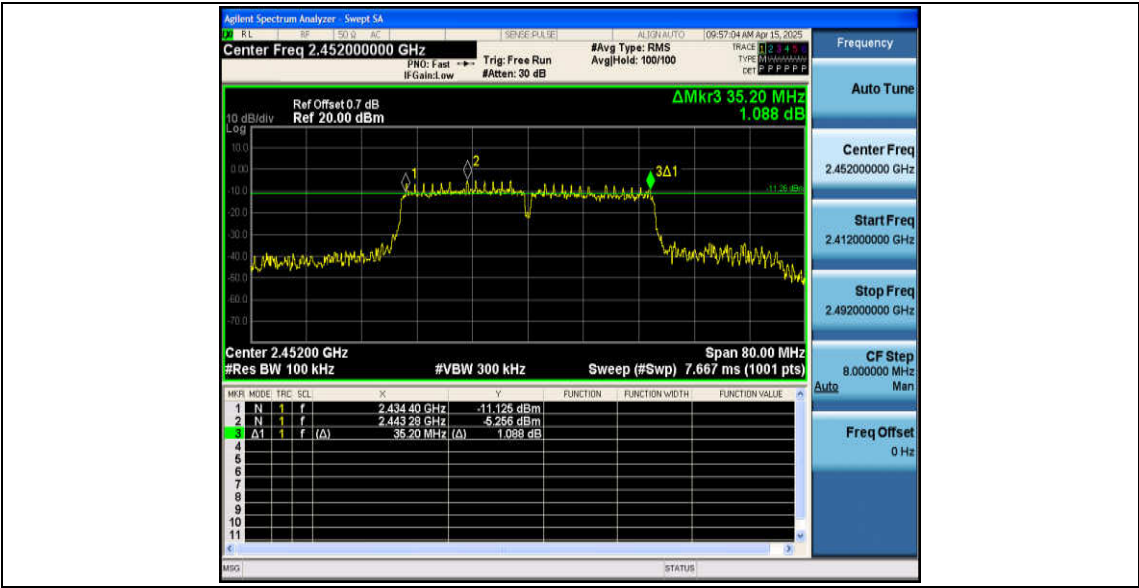
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_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	12.402	2405.7380	2418.1400	---	---
		2437	11.570	2431.0045	2442.5745	---	---
		2462	12.728	2455.4413	2468.1693	---	---
11G	Ant1	2412	16.817	2403.7632	2420.5802	---	---
		2437	16.646	2428.8224	2445.4684	---	---
		2462	17.024	2453.6286	2470.6526	---	---
11N20SISO	Ant1	2412	17.886	2403.2601	2421.1461	---	---
		2437	17.624	2428.3360	2445.9600	---	---
		2462	17.974	2453.1465	2471.1205	---	---
11N40SISO	Ant1	2422	36.340	2404.2561	2440.5961	---	---
		2437	35.967	2419.1463	2455.1133	---	---
		2452	36.266	2433.9351	2470.2011	---	---
11AX20SISO	Ant1	2412	17.896	2403.2730	2421.1690	---	---
		2437	17.605	2428.3421	2445.9471	---	---
		2462	18.103	2453.1028	2471.2058	---	---
11AX40SISO	Ant1	2422	36.445	2404.1212	2440.5662	---	---
		2437	36.072	2419.0799	2455.1519	---	---
		2452	36.369	2433.8630	2470.2320	---	---

Test Graphs

11B_Ant1_2412



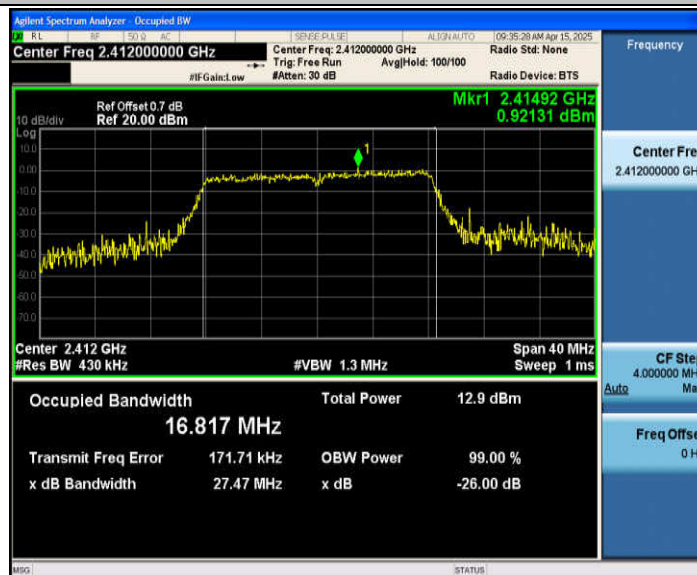
11B_Ant1_2437



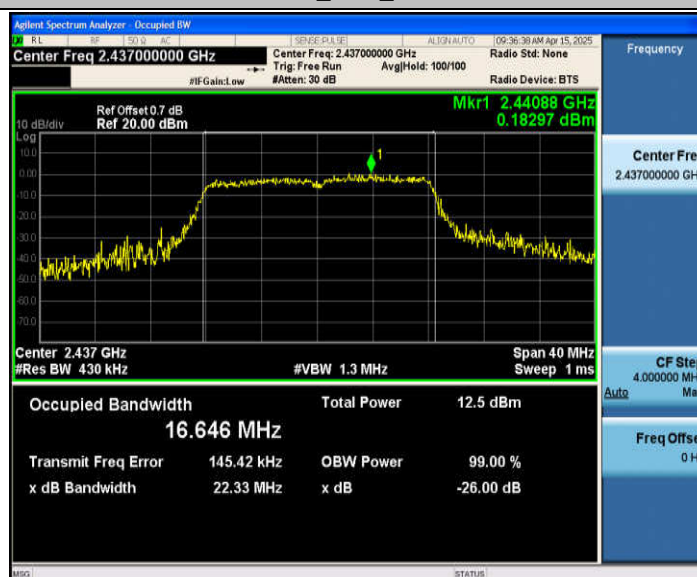
11B_Ant1_2462



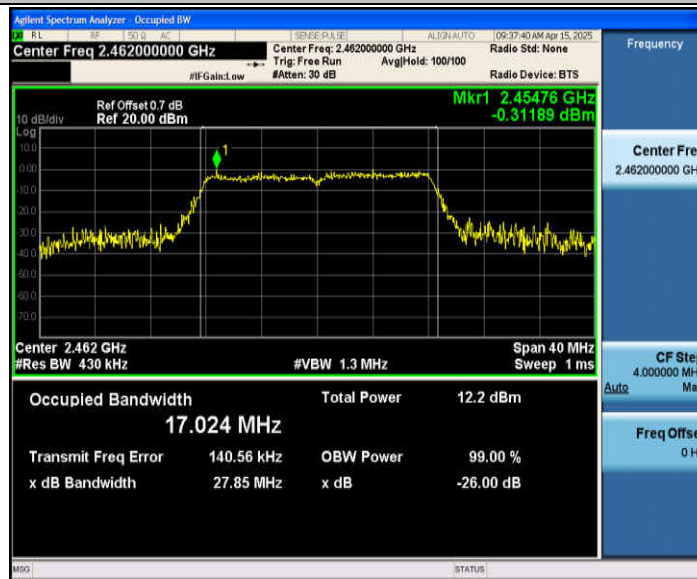
11G_Ant1_2412



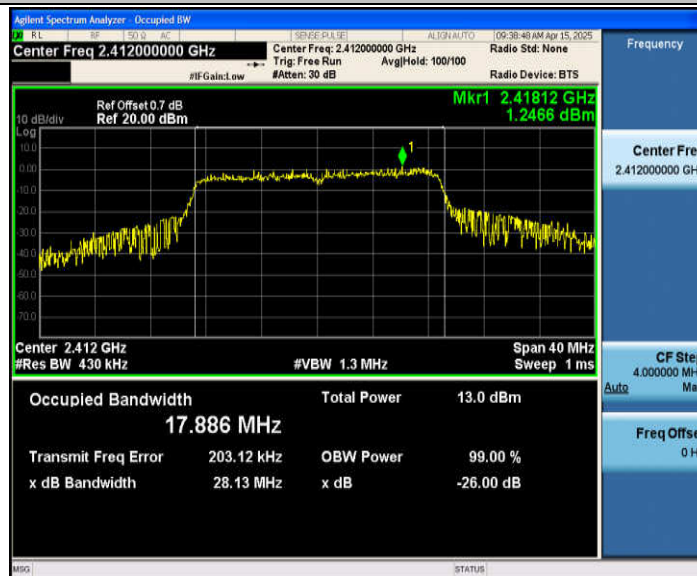
11G_Ant1_2437



11G_Ant1_2462



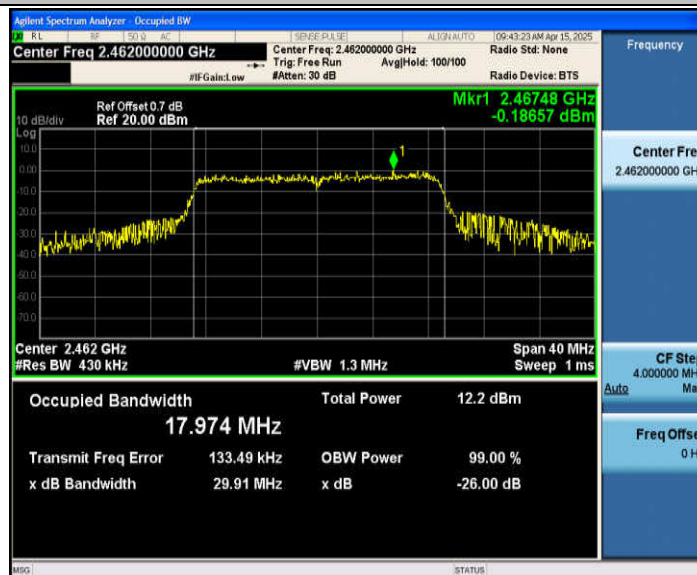
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



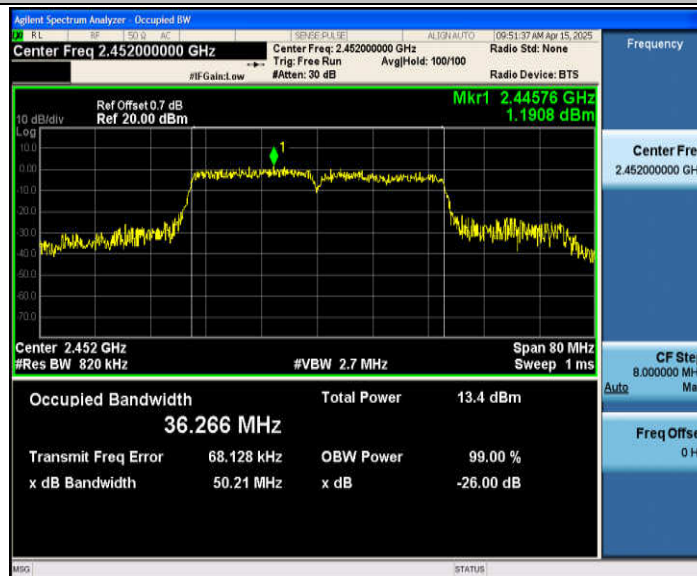
11N40SISO_Ant1_2422



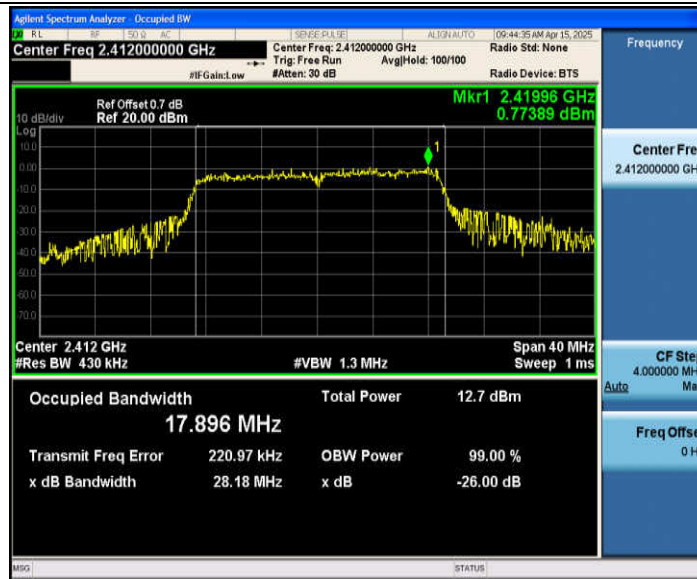
11N40SISO_Ant1_2437



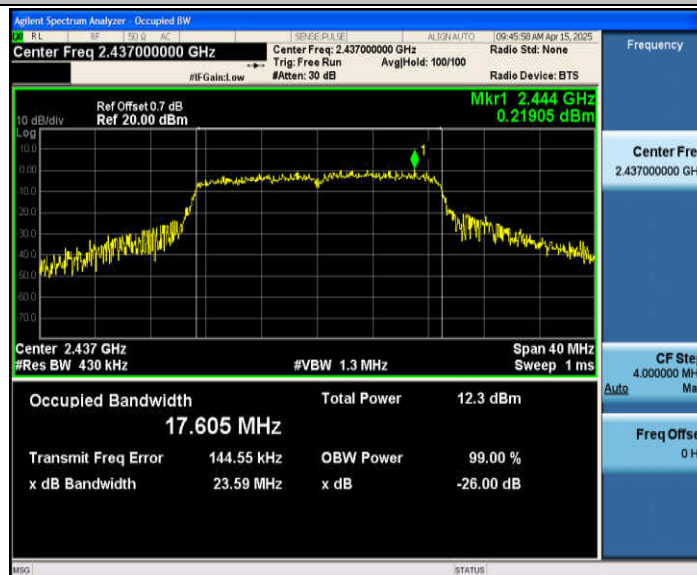
11N40SISO_Ant1_2452



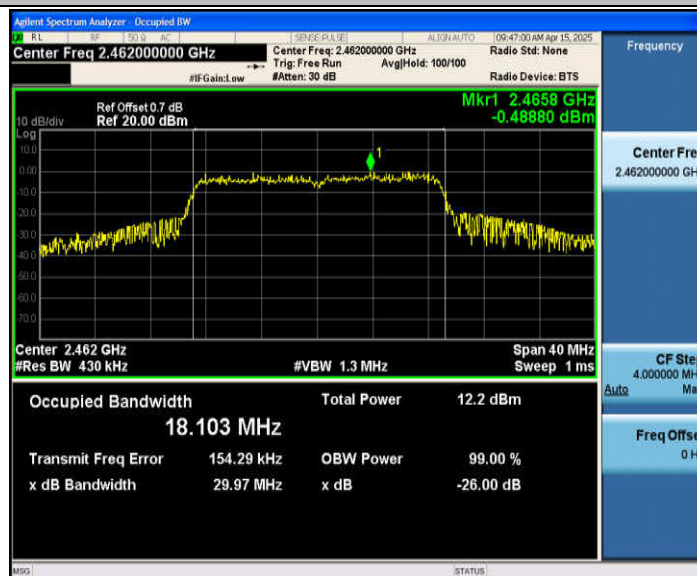
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



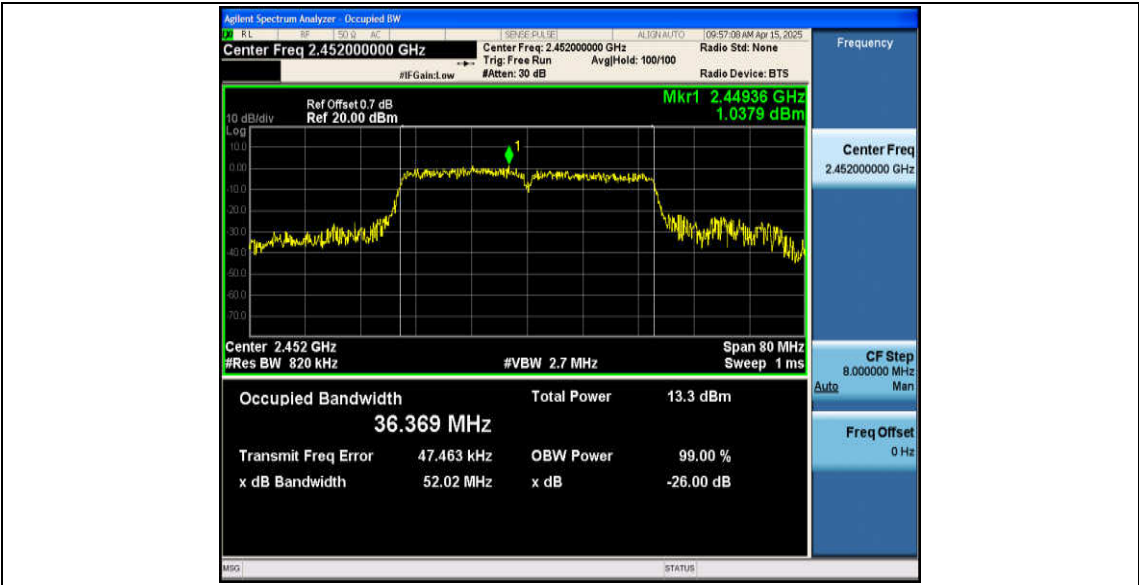
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_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	14.89	≤30.00	PASS
		2437	13.80	≤30.00	PASS
		2462	14.19	≤30.00	PASS
11G	Ant1	2412	13.60	≤30.00	PASS
		2437	13.09	≤30.00	PASS
		2462	12.68	≤30.00	PASS
11N20SISO	Ant1	2412	13.50	≤30.00	PASS
		2437	12.88	≤30.00	PASS
		2462	12.75	≤30.00	PASS
11N40SISO	Ant1	2422	12.68	≤30.00	PASS
		2437	12.33	≤30.00	PASS
		2452	13.43	≤30.00	PASS
11AX20SISO	Ant1	2412	13.19	≤30.00	PASS
		2437	12.80	≤30.00	PASS
		2462	12.79	≤30.00	PASS
11AX40SISO	Ant1	2422	12.65	≤30.00	PASS
		2437	12.31	≤30.00	PASS
		2452	13.46	≤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	-11.44	≤8.00	PASS
		2437	-12.25	≤8.00	PASS
		2462	-11.88	≤8.00	PASS
11G	Ant1	2412	-18.32	≤8.00	PASS
		2437	-18.61	≤8.00	PASS
		2462	-18.98	≤8.00	PASS
11N20SISO	Ant1	2412	-17.65	≤8.00	PASS
		2437	-18.59	≤8.00	PASS
		2462	-19.17	≤8.00	PASS
11N40SISO	Ant1	2422	-21.75	≤8.00	PASS
		2437	-21.97	≤8.00	PASS
		2452	-19.82	≤8.00	PASS
11AX20SISO	Ant1	2412	-19.28	≤8.00	PASS
		2437	-19.28	≤8.00	PASS
		2462	-19.20	≤8.00	PASS
11AX40SISO	Ant1	2422	-21.64	≤8.00	PASS
		2437	-21.82	≤8.00	PASS
		2452	-21.40	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



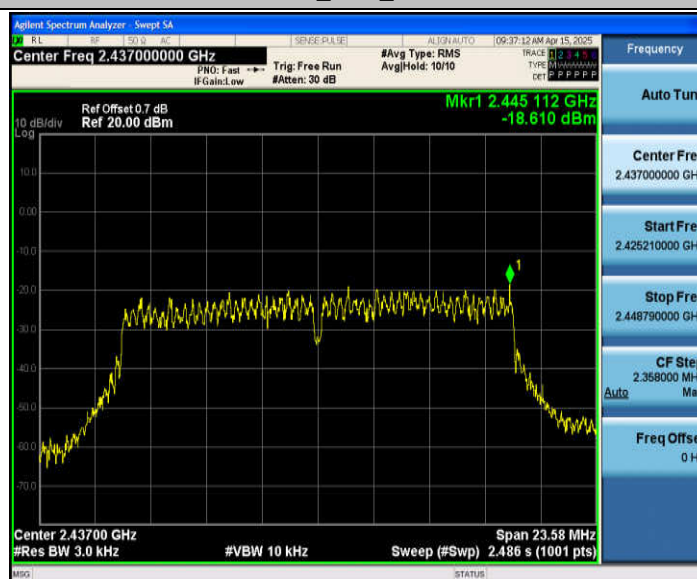
11B_Ant1_2462



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



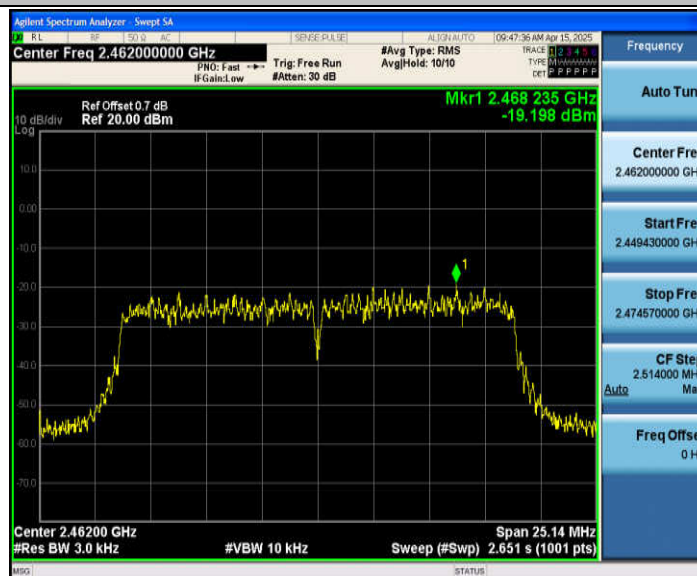
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



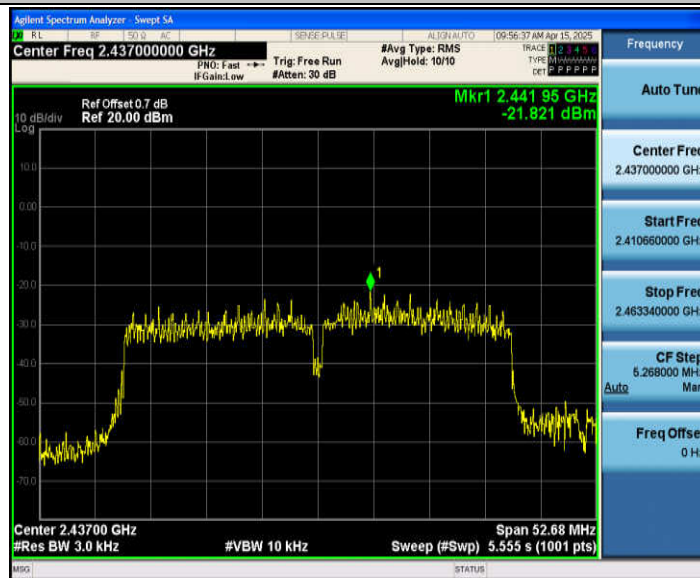
11AX20SISO_Ant1_2462



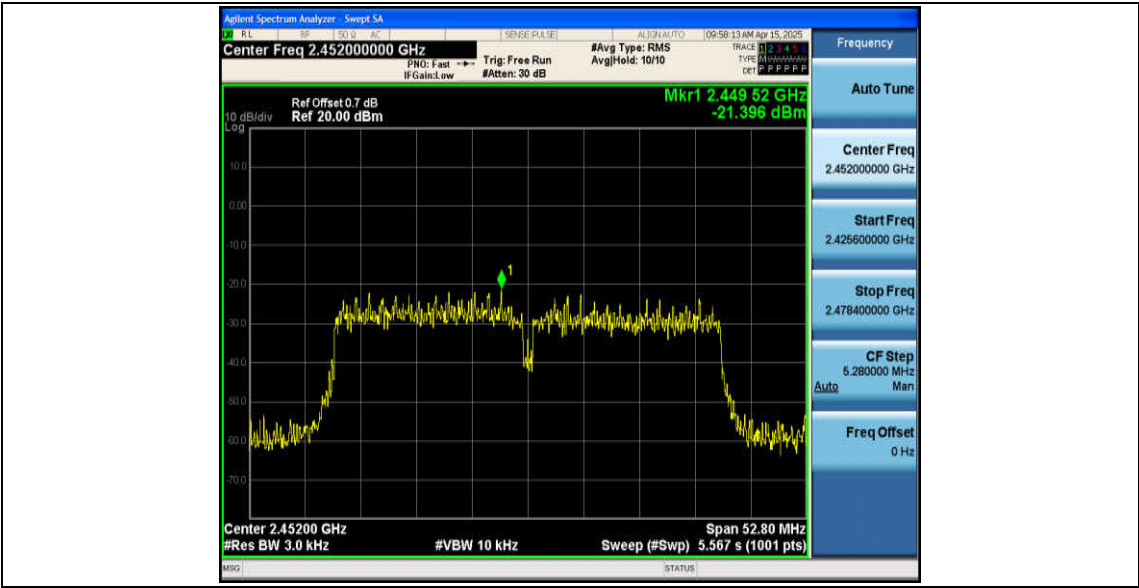
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



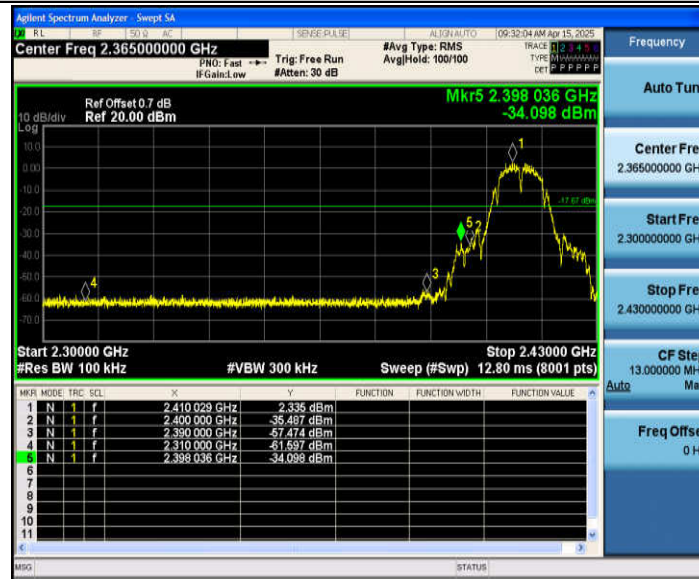
Appendix E: Band edge measurements

Test Result

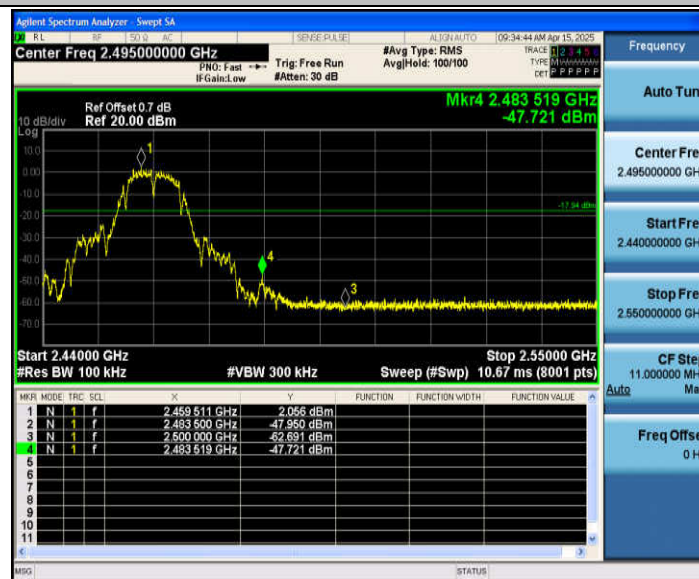
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.34	-34.1	≤-17.67	PASS
		High	2462	2.06	-47.72	≤-17.94	PASS
11G	Ant1	Low	2412	-1.99	-37.5	≤-21.99	PASS
		High	2462	-2.98	-38.85	≤-22.98	PASS
11N20SISO	Ant1	Low	2412	-2.02	-36.17	≤-22.02	PASS
		High	2462	-3.35	-38.56	≤-23.35	PASS
11N40SISO	Ant1	Low	2422	-5.36	-39.67	≤-25.36	PASS
		High	2452	-5.34	-35.31	≤-25.34	PASS
11AX20SISO	Ant1	Low	2412	-2.22	-34.36	≤-22.22	PASS
		High	2462	-3.15	-38	≤-23.15	PASS
11AX40SISO	Ant1	Low	2422	-5.40	-39.35	≤-25.4	PASS
		High	2452	-5.28	-35.74	≤-25.28	PASS

Test Graphs

11B_Ant1_Low_2412



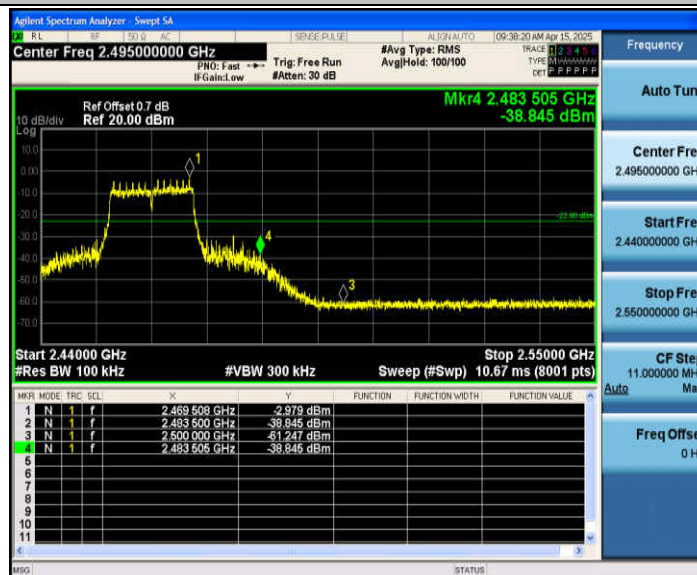
11B_Ant1_High_2462



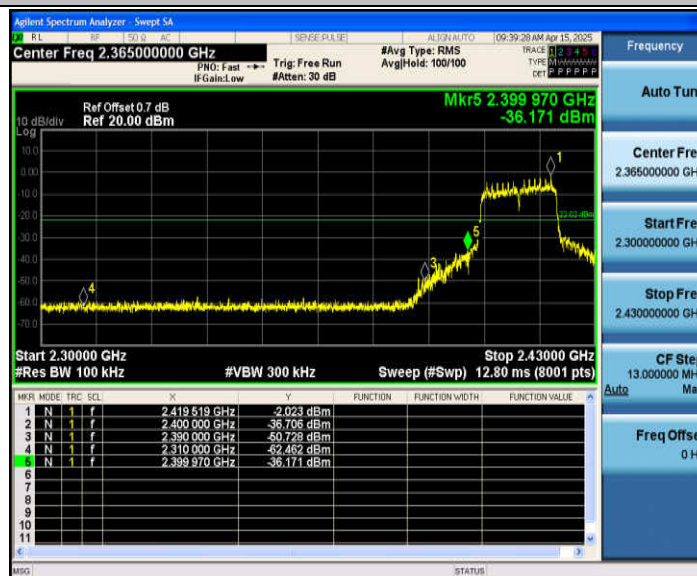
11G_Ant1_Low_2412



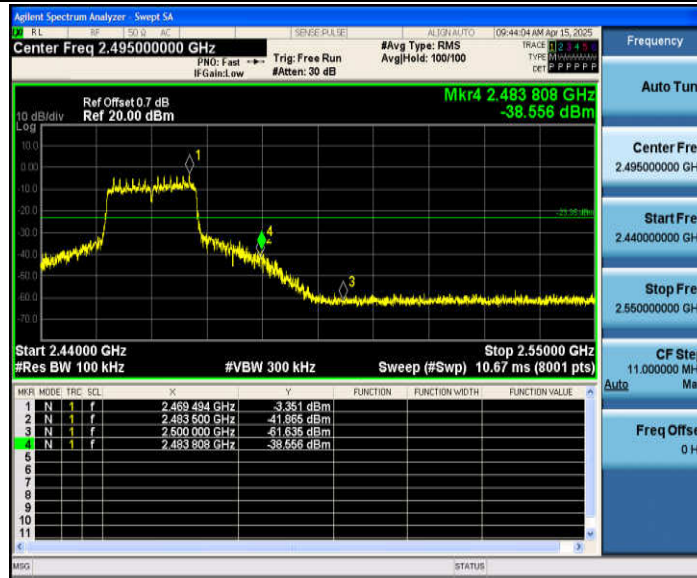
11G_Ant1_High_2462



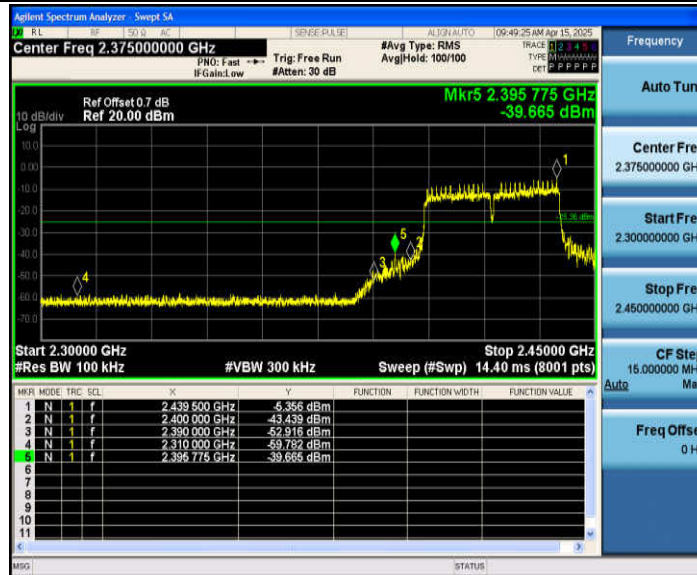
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



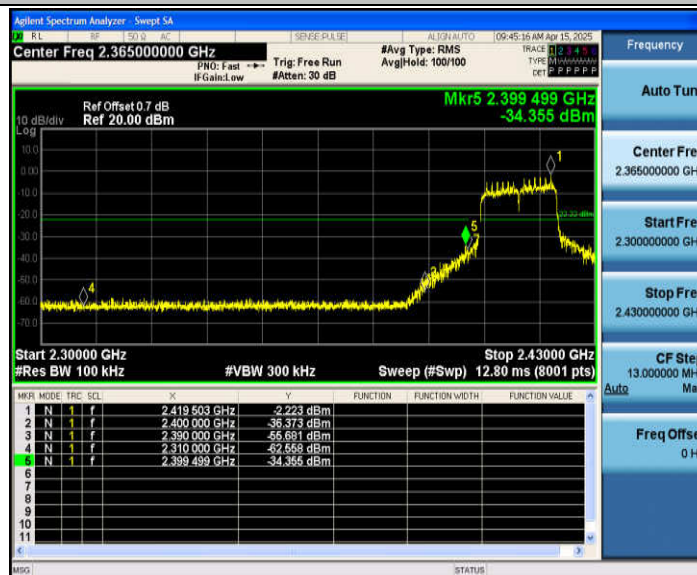
11N40SISO_Ant1_Low_2422



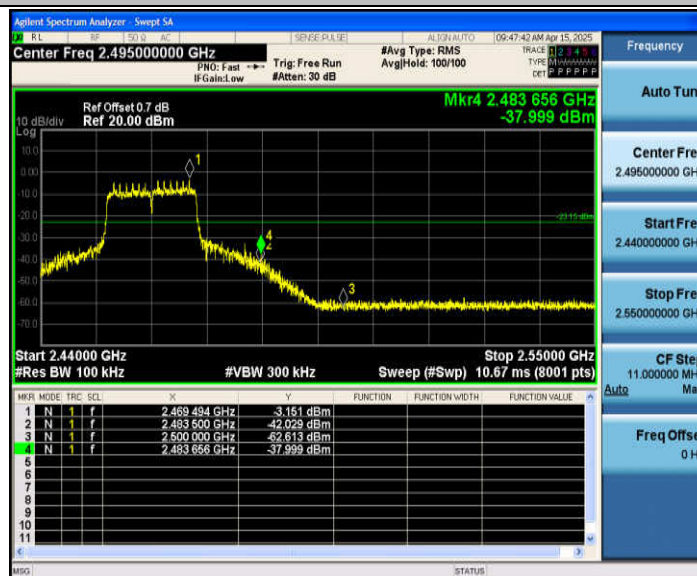
11N40SISO_Ant1_High_2452



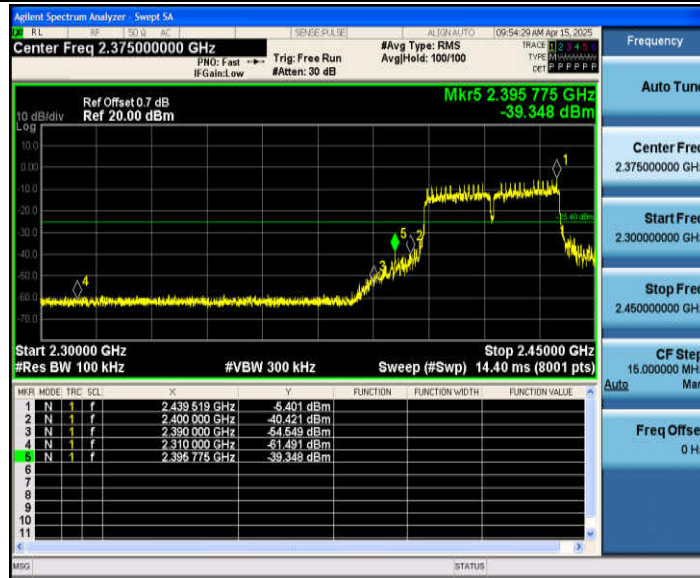
11AX20SISO_Ant1_Low_2412



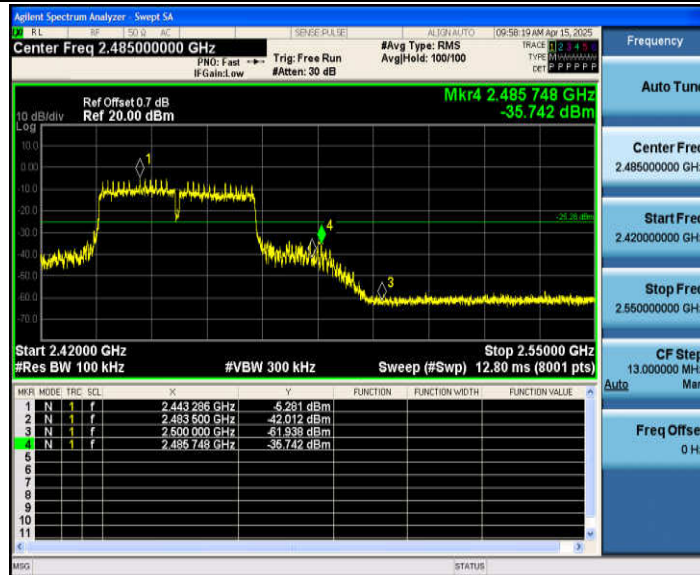
11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_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	2.93	2.93	---	PASS
			30~1000	2.93	-67.99	≤-17.07	PASS
			1000~26500	2.93	-38.8	≤-17.07	PASS
		2437	Reference	3.33	3.33	---	PASS
			30~1000	3.33	-51.85	≤-16.67	PASS
			1000~26500	3.33	-37.01	≤-16.67	PASS
		2462	Reference	4.64	4.64	---	PASS
			30~1000	4.64	-67.85	≤-15.36	PASS
			1000~26500	4.64	-30.51	≤-15.36	PASS
11G	Ant1	2412	Reference	-0.57	-0.57	---	PASS
			30~1000	-0.57	-67.56	≤-20.57	PASS
			1000~26500	-0.57	-48.21	≤-20.57	PASS
		2437	Reference	-1.49	-1.49	---	PASS
			30~1000	-1.49	-68.04	≤-21.49	PASS
			1000~26500	-1.49	-49.51	≤-21.49	PASS
		2462	Reference	-2.17	-2.17	---	PASS
			30~1000	-2.17	-68.29	≤-22.17	PASS
			1000~26500	-2.17	-43.39	≤-22.17	PASS
11N20SISO	Ant1	2412	Reference	-1.22	-1.22	---	PASS
			30~1000	-1.22	-68.52	≤-21.22	PASS
			1000~26500	-1.22	-51.19	≤-21.22	PASS
		2437	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-67.35	≤-21.92	PASS
			1000~26500	-1.92	-47.75	≤-21.92	PASS
		2462	Reference	-2.44	-2.44	---	PASS
			30~1000	-2.44	-68.34	≤-22.44	PASS
			1000~26500	-2.44	-44.61	≤-22.44	PASS
11N40SISO	Ant1	2422	Reference	-4.10	-4.10	---	PASS
			30~1000	-4.10	-67.96	≤-24.1	PASS
			1000~26500	-4.10	-47.01	≤-24.1	PASS
		2437	Reference	-4.23	-4.23	---	PASS
			30~1000	-4.23	-67.71	≤-24.23	PASS
			1000~26500	-4.23	-49.53	≤-24.23	PASS
		2452	Reference	-3.44	-3.44	---	PASS
			30~1000	-3.44	-67.43	≤-23.44	PASS
			1000~26500	-3.44	-49.13	≤-23.44	PASS
11AX20SISO	Ant1	2412	Reference	-1.07	-1.07	---	PASS

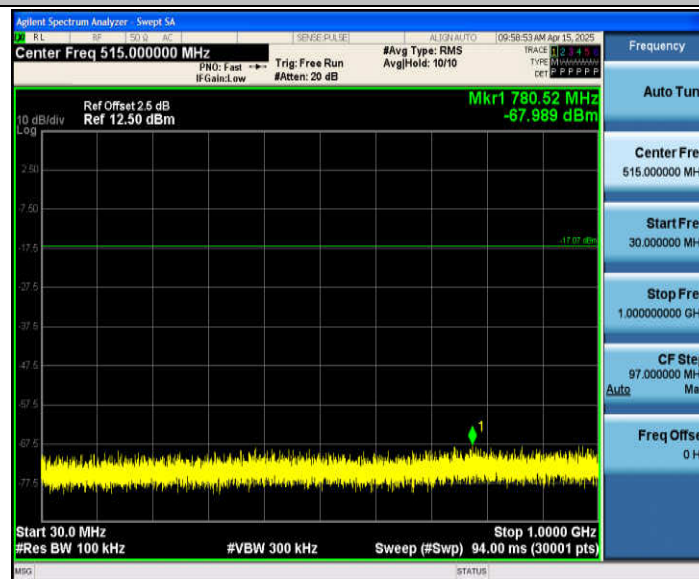
			30~1000	-1.07	-64.02	≤-21.07	PASS
			1000~26500	-1.07	-48.97	≤-21.07	PASS
		2437	Reference	-2.87	-2.87	---	PASS
			30~1000	-2.87	-68.02	≤-22.87	PASS
			1000~26500	-2.87	-48.27	≤-22.87	PASS
		2462	Reference	-1.85	-1.85	---	PASS
			30~1000	-1.85	-67.84	≤-21.85	PASS
			1000~26500	-1.85	-43.22	≤-21.85	PASS
11AX40SISO	Ant1	2422	Reference	-4.49	-4.49	---	PASS
			30~1000	-4.49	-67.64	≤-24.49	PASS
			1000~26500	-4.49	-51.21	≤-24.49	PASS
		2437	Reference	-4.76	-4.76	---	PASS
			30~1000	-4.76	-68.13	≤-24.76	PASS
			1000~26500	-4.76	-51.21	≤-24.76	PASS
		2452	Reference	-3.70	-3.70	---	PASS
			30~1000	-3.70	-67.02	≤-23.7	PASS
			1000~26500	-3.70	-48.63	≤-23.7	PASS

Test Graphs

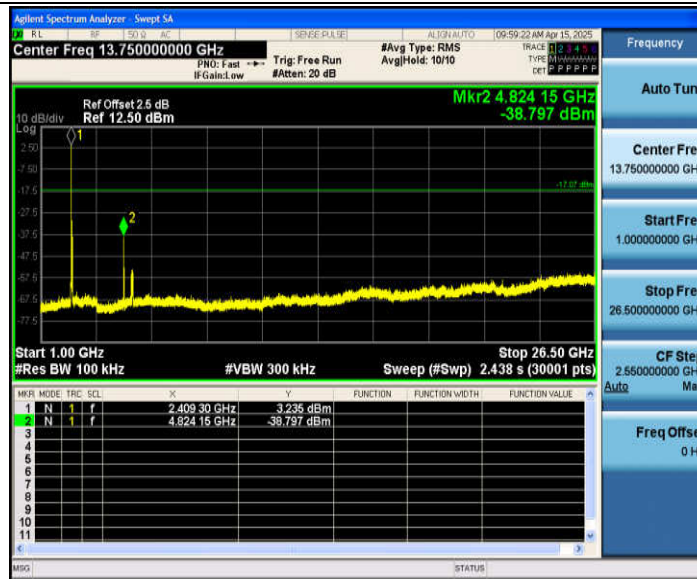
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



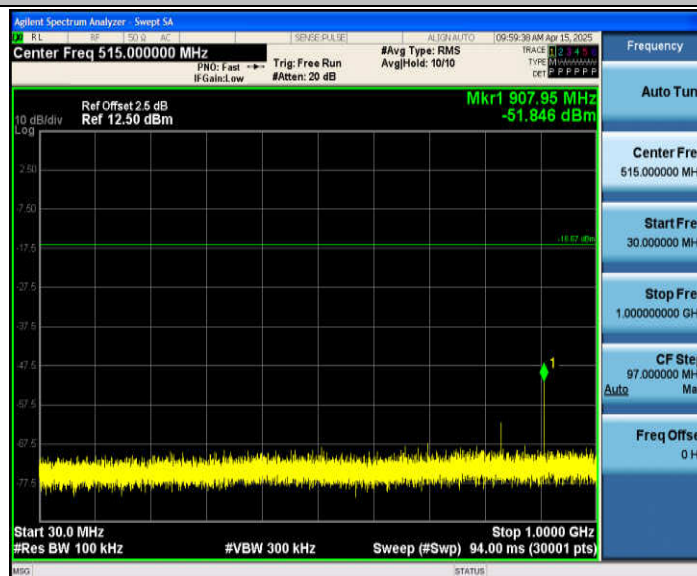
11B_Ant1_2412_1000~26500



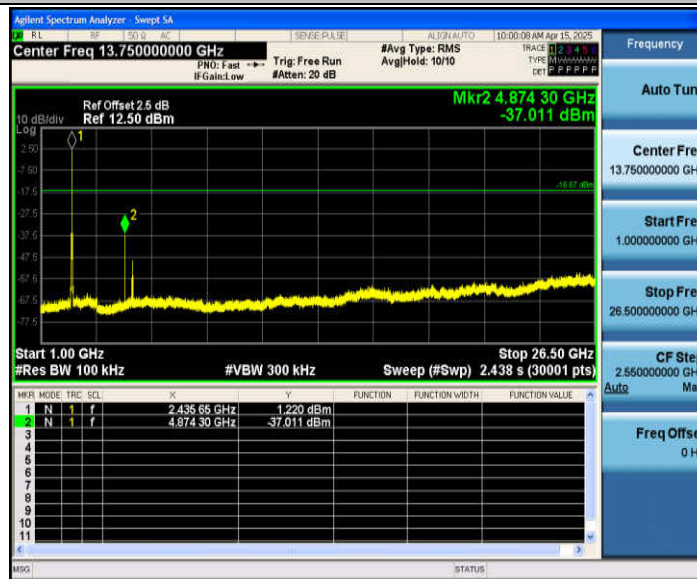
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



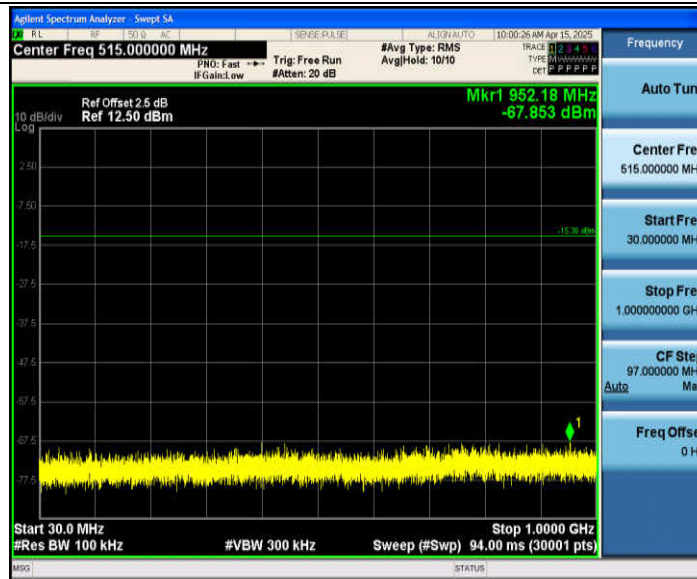
11B_Ant1_2437_1000~26500



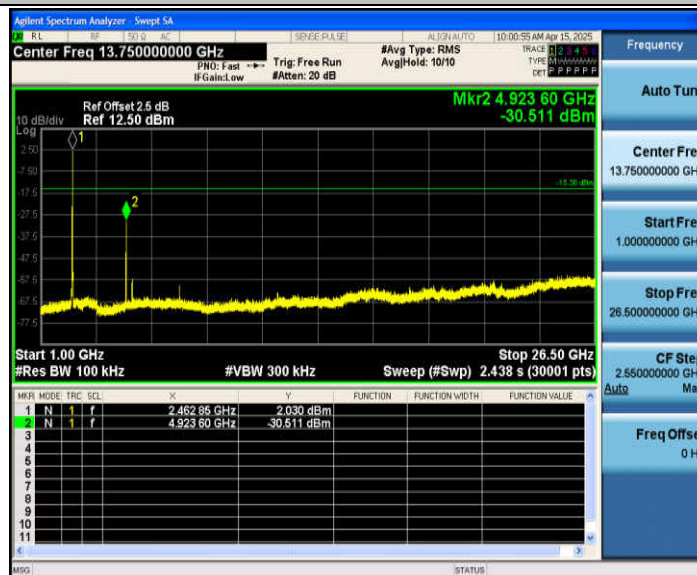
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



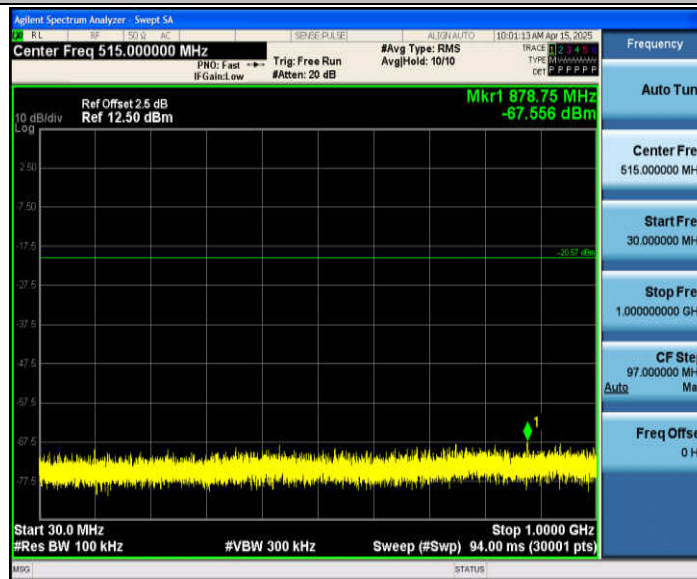
11B_Ant1_2462_1000~26500



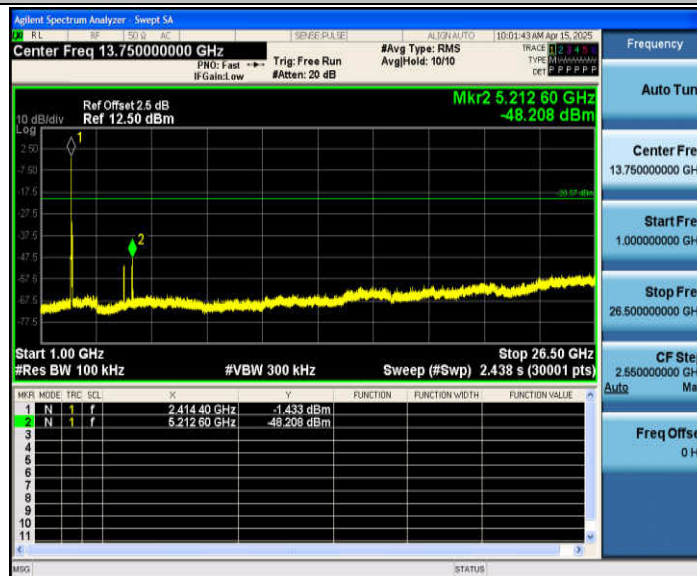
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference