

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2A35W-H96MAXV56

Company : Shenzhen Haochuangyi Technology Co.,Ltd.

EUT : H96 Max V56

Model Number : H96 Max V56

Report No. : CTA26061100203

Reviewed By : Eric Wang

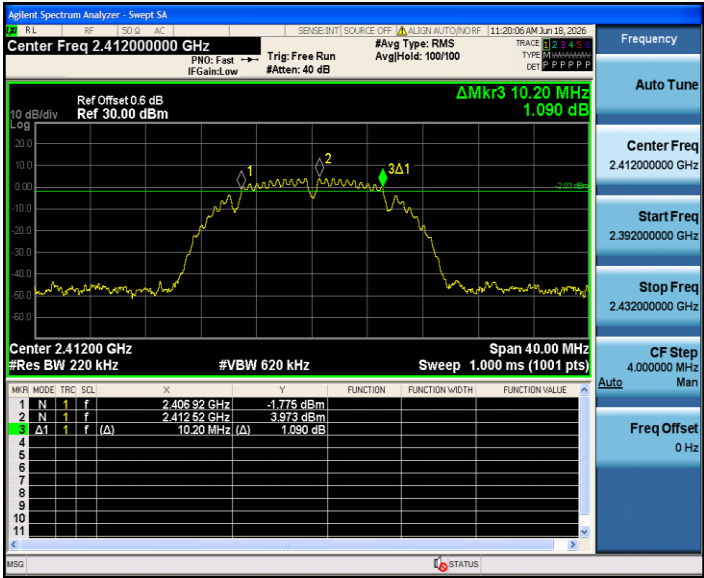
Appendix A: DTS Bandwidth

Test Result

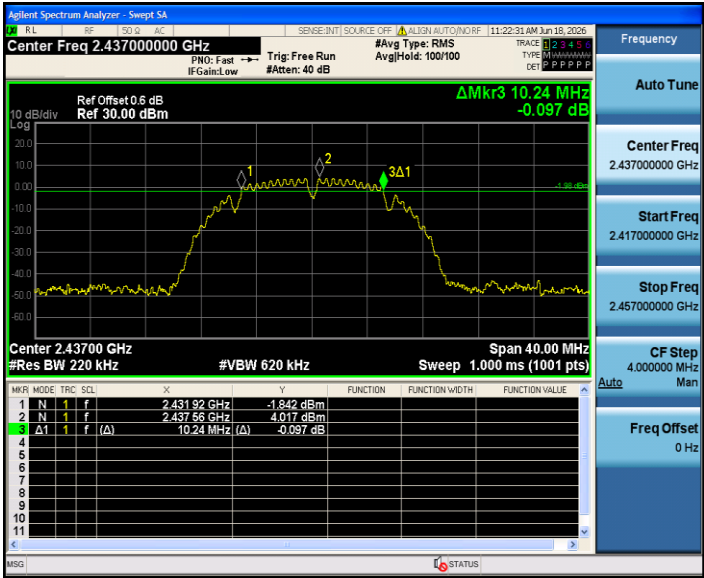
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.200	2406.920	2417.120	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	15.720	2404.080	2419.800	0.5	PASS
		2437	15.720	2429.080	2444.800	0.5	PASS
		2462	15.760	2454.160	2469.920	0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.440	2420.480	0.5	PASS
		2437	16.280	2428.760	2445.040	0.5	PASS
		2462	16.880	2453.720	2470.600	0.5	PASS
11N40SISO	Ant1	2422	35.360	2404.560	2439.920	0.5	PASS
		2437	35.840	2419.160	2455.000	0.5	PASS
		2452	35.760	2434.240	2470.000	0.5	PASS
11AX20SISO	Ant1	2412	18.720	2402.680	2421.400	0.5	PASS
		2437	18.200	2427.760	2445.960	0.5	PASS
		2462	18.400	2452.680	2471.080	0.5	PASS
11AX40SISO	Ant1	2422	30.560	2408.640	2439.200	0.5	PASS
		2437	37.600	2418.360	2455.960	0.5	PASS
		2452	35.760	2434.640	2470.400	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



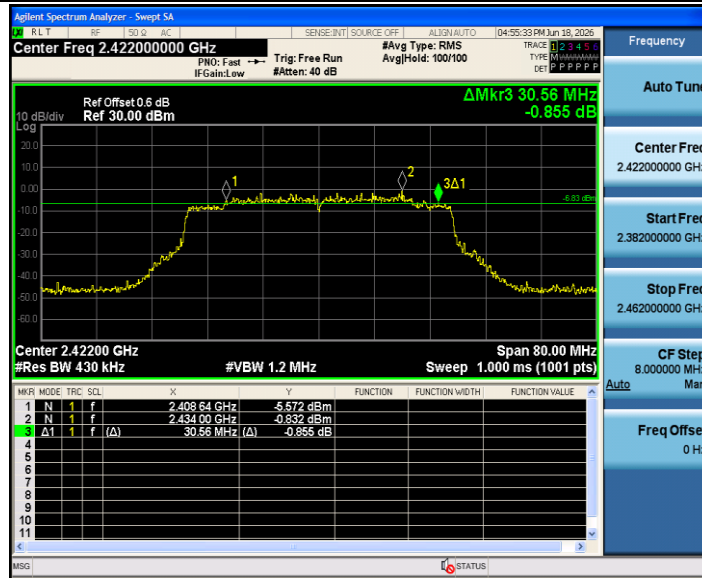
11AX20SISO_Ant1_2437



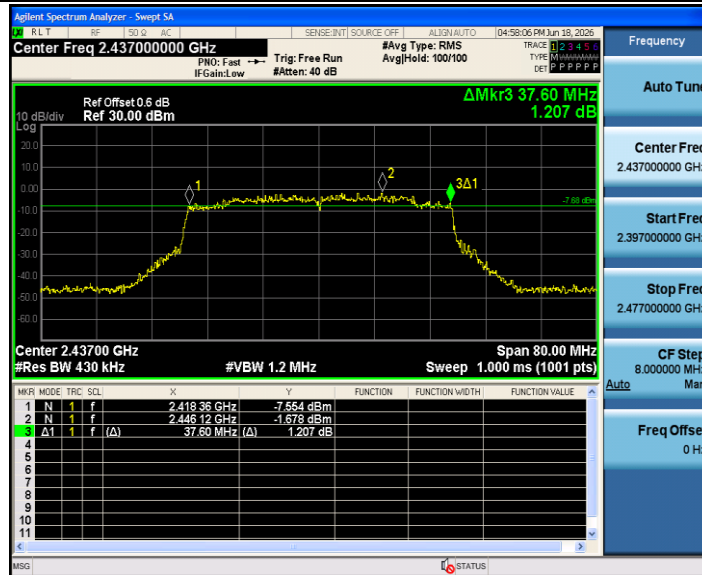
11AX20SISO_Ant1_2462



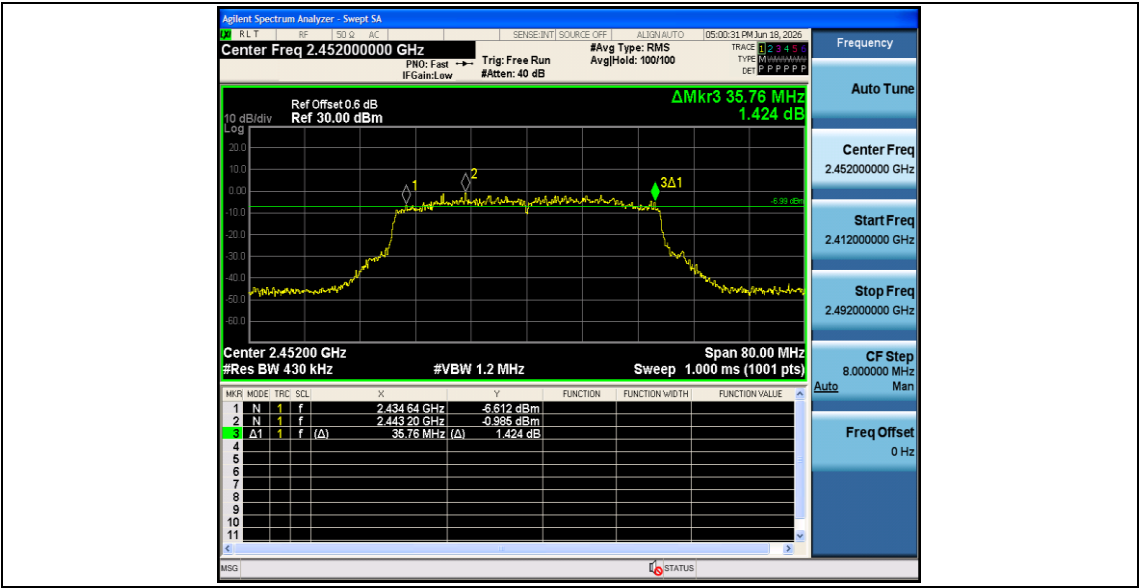
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



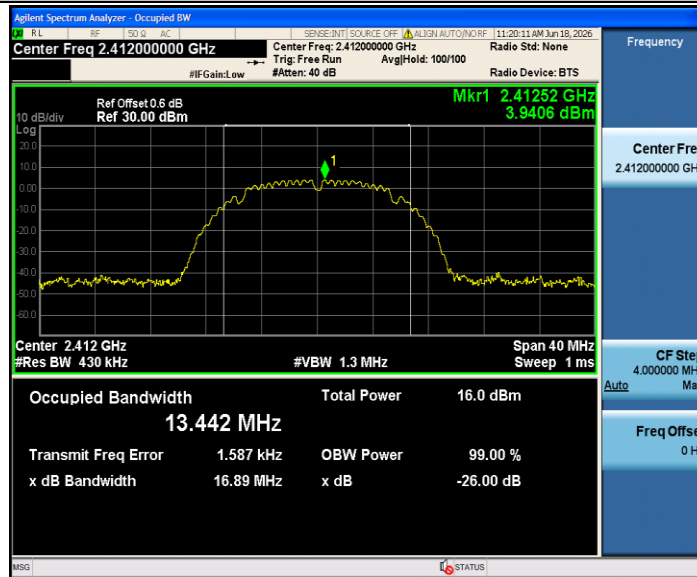
Appendix B: Occupied Channel Bandwidth

Test Result

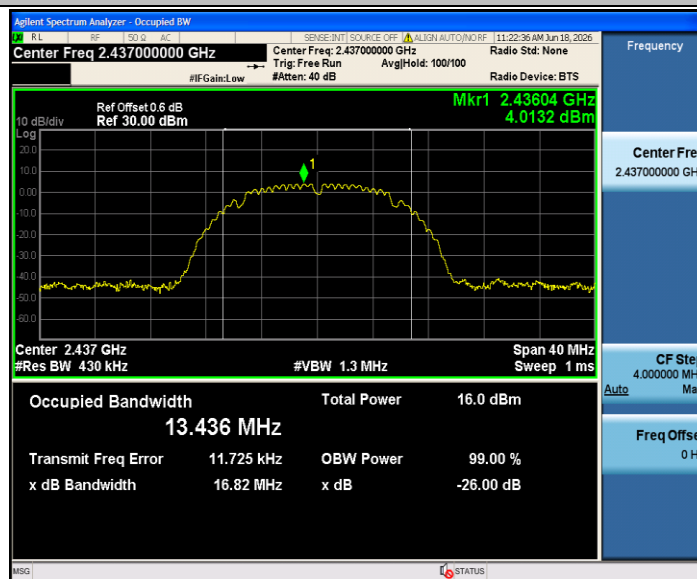
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.442	2405.2806	2418.7226	---	---
		2437	13.436	2430.2937	2443.7297	---	---
		2462	13.425	2455.3098	2468.7348	---	---
11G	Ant1	2412	16.822	2403.6620	2420.4840	---	---
		2437	16.818	2428.6645	2445.4825	---	---
		2462	16.899	2453.5570	2470.4560	---	---
11N20SISO	Ant1	2412	17.919	2403.0599	2420.9789	---	---
		2437	17.860	2428.0868	2445.9468	---	---
		2462	17.883	2453.0562	2470.9392	---	---
11N40SISO	Ant1	2422	36.081	2404.1003	2440.1813	---	---
		2437	36.029	2419.1408	2455.1698	---	---
		2452	36.103	2434.0880	2470.1910	---	---
11AX20SISO	Ant1	2412	18.909	2402.5672	2421.4762	---	---
		2437	18.922	2427.5720	2446.4940	---	---
		2462	18.952	2452.5547	2471.5067	---	---
11AX40SISO	Ant1	2422	37.598	2403.3826	2440.9806	---	---
		2437	37.545	2418.4281	2455.9731	---	---
		2452	37.548	2433.3704	2470.9184	---	---

Test Graphs

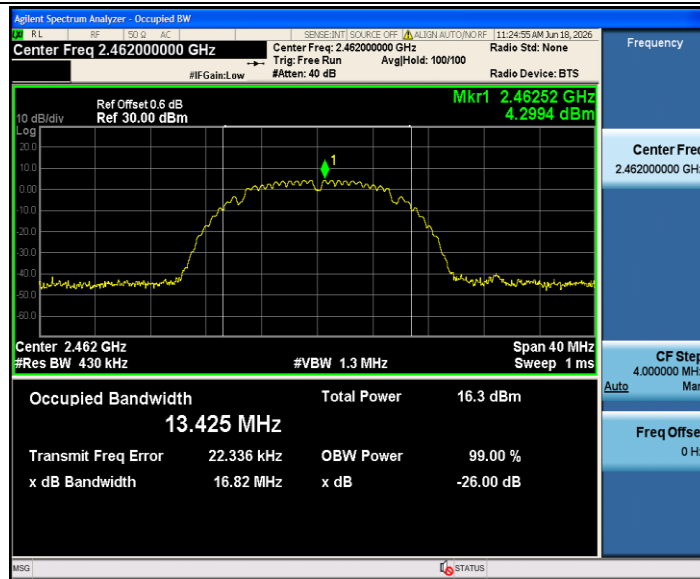
11B_Ant1_2412



11B_Ant1_2437



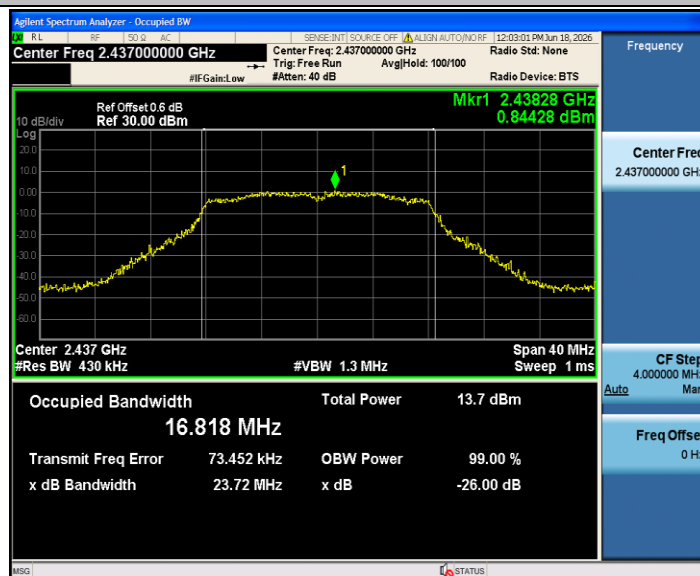
11B_Ant1_2462



11G_Ant1_2412



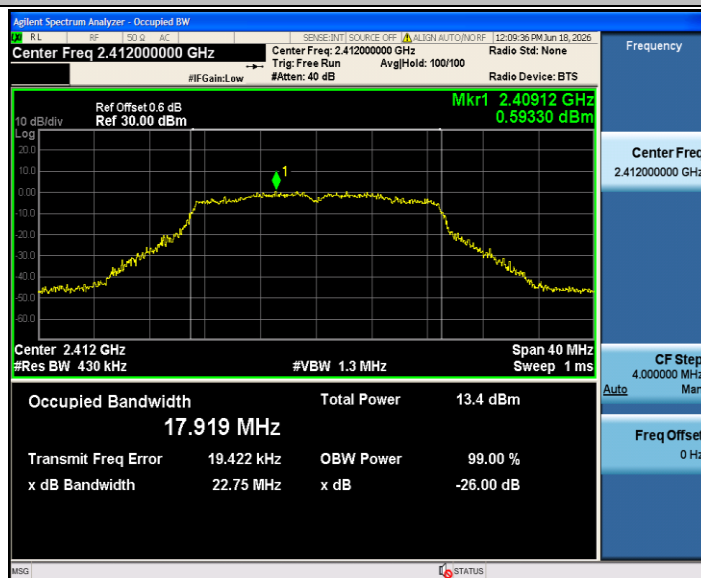
11G_Ant1_2437



11G_Ant1_2462



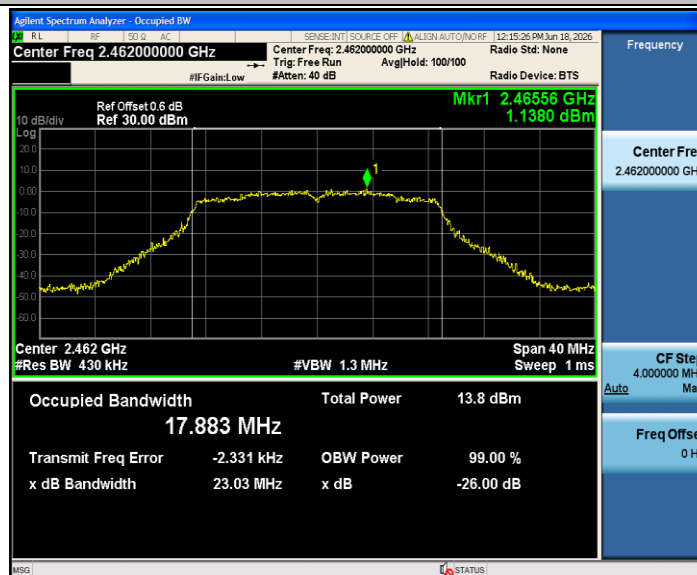
11N20SISO_Ant1_2412



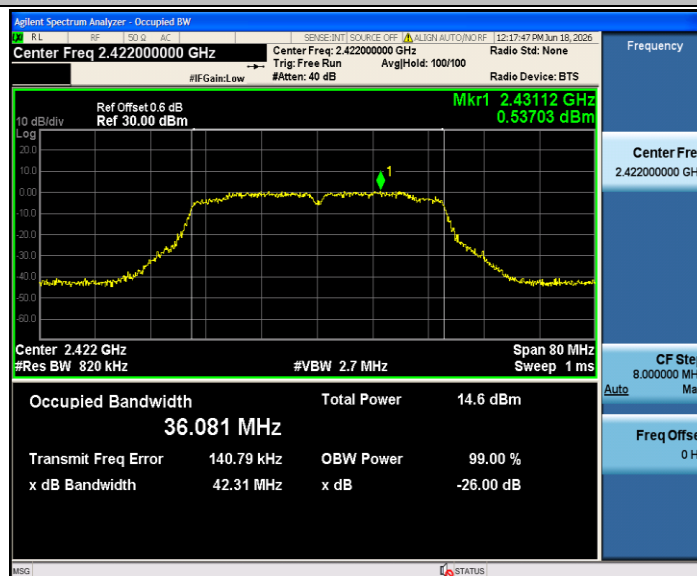
11N20SISO_Ant1_2437



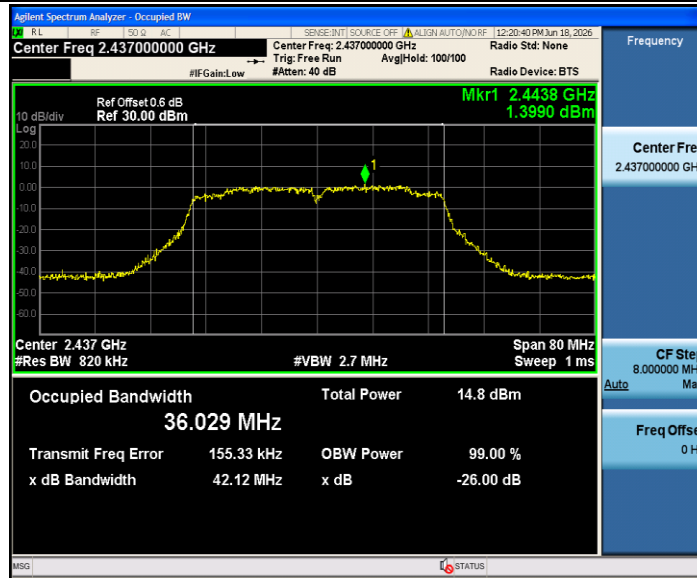
11N20SISO_Ant1_2462



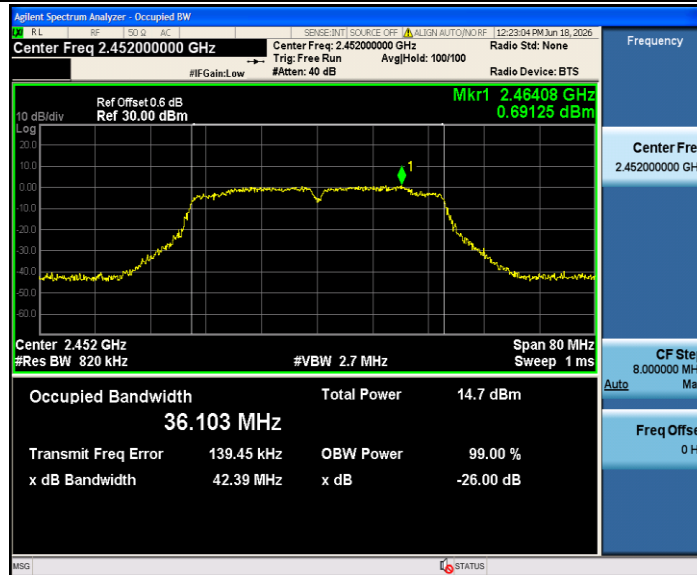
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



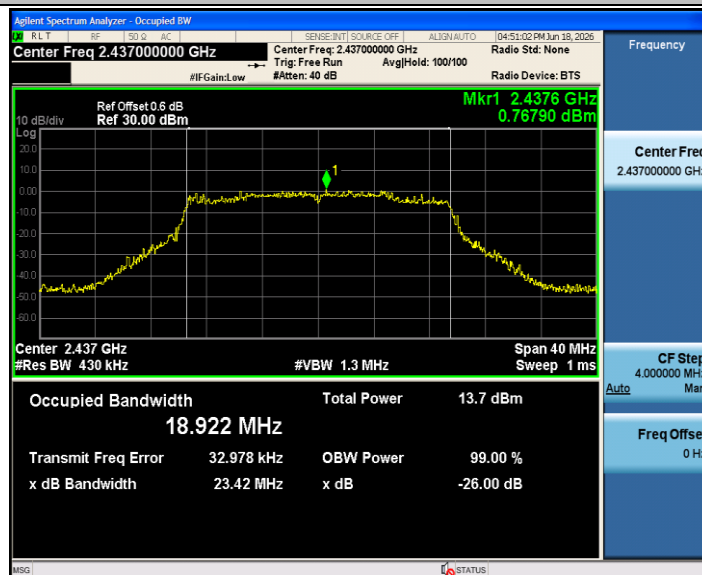
11N40SISO_Ant1_2452



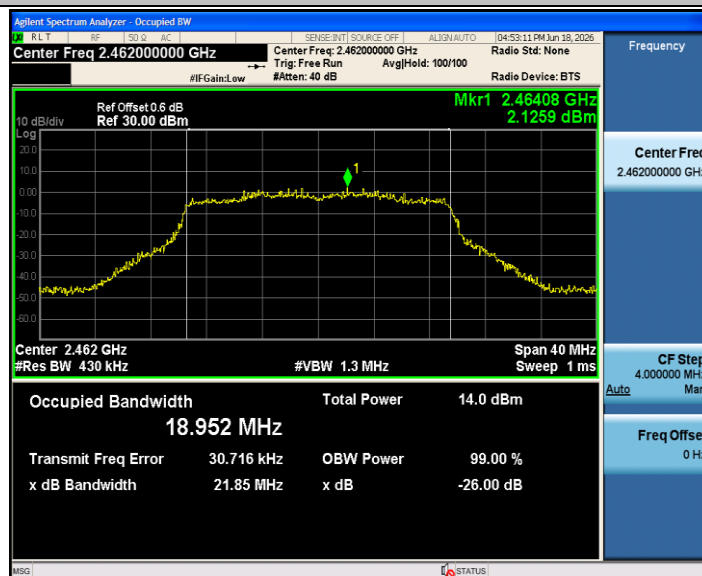
11AX20SISO_Ant1_2412



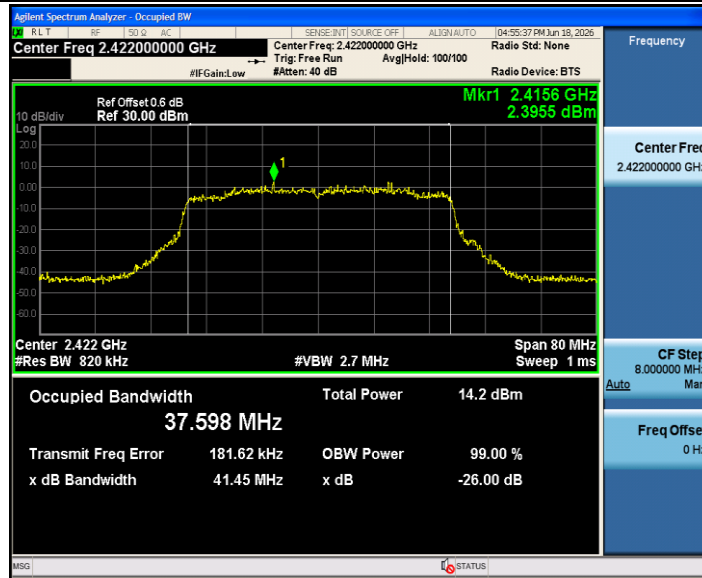
11AX20SISO_Ant1_2437



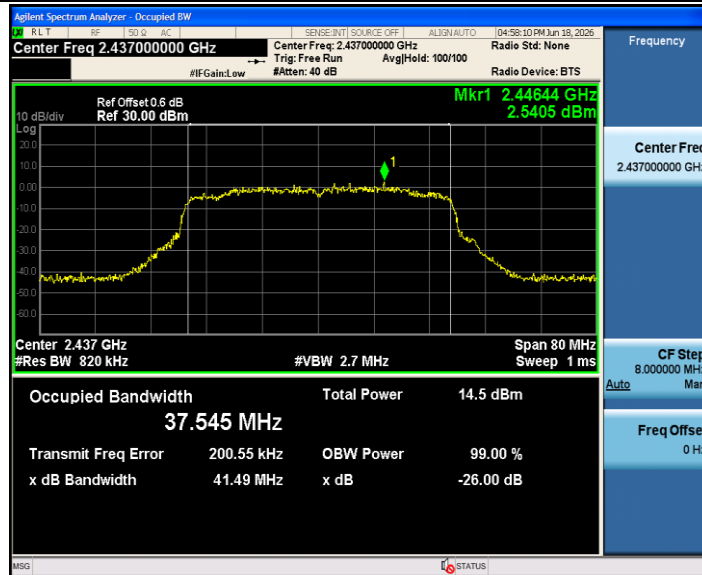
11AX20SISO_Ant1_2462



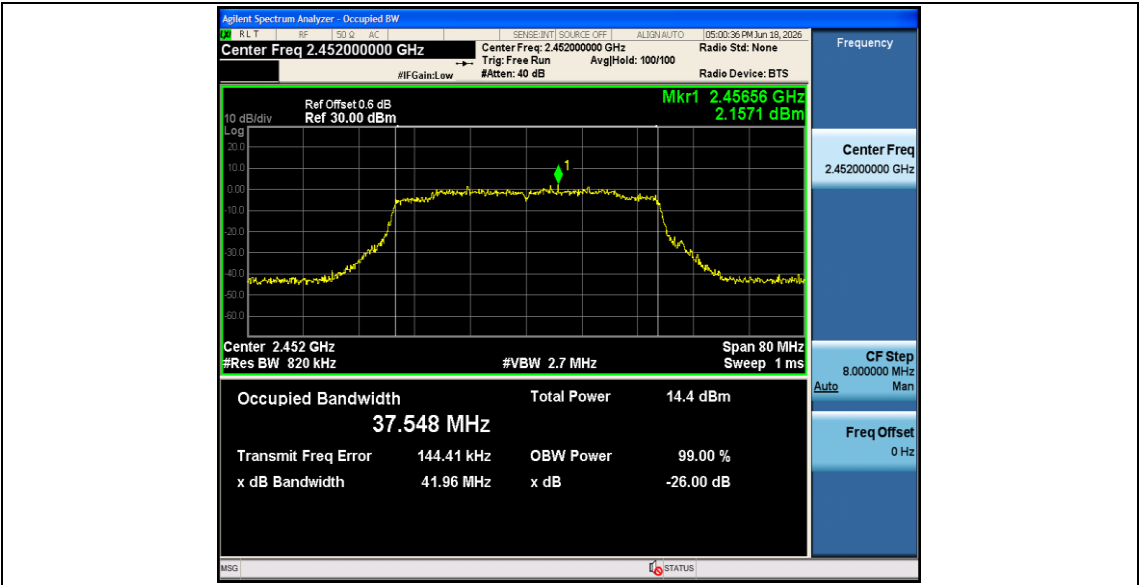
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	15.58	≤30.00	PASS
		2437	15.68	≤30.00	PASS
		2462	15.94	≤30.00	PASS
11G	Ant1	2412	14.40	≤30.00	PASS
		2437	14.62	≤30.00	PASS
		2462	14.69	≤30.00	PASS
11N20SISO	Ant1	2412	14.36	≤30.00	PASS
		2437	14.34	≤30.00	PASS
		2462	14.62	≤30.00	PASS
11N40SISO	Ant1	2422	14.73	≤30.00	PASS
		2437	14.87	≤30.00	PASS
		2452	14.79	≤30.00	PASS
11AX20SISO	Ant1	2412	14.20	≤30.00	PASS
		2437	14.21	≤30.00	PASS
		2462	14.36	≤30.00	PASS
11AX40SISO	Ant1	2422	13.84	≤30.00	PASS
		2437	14.53	≤30.00	PASS
		2452	14.40	≤30.00	PASS

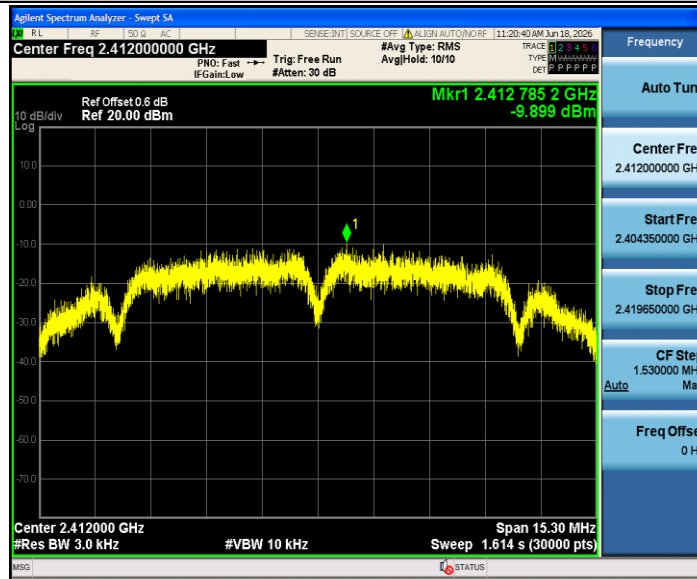
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.90	≤8.00	PASS
		2437	-10.73	≤8.00	PASS
		2462	-9.51	≤8.00	PASS
11G	Ant1	2412	-17.50	≤8.00	PASS
		2437	-17.77	≤8.00	PASS
		2462	-17.22	≤8.00	PASS
11N20SISO	Ant1	2412	-17.76	≤8.00	PASS
		2437	-15.70	≤8.00	PASS
		2462	-17.06	≤8.00	PASS
11N40SISO	Ant1	2422	-19.82	≤8.00	PASS
		2437	-19.11	≤8.00	PASS
		2452	-17.84	≤8.00	PASS
11AX20SISO	Ant1	2412	-18.96	≤8.00	PASS
		2437	-17.95	≤8.00	PASS
		2462	-18.16	≤8.00	PASS
11AX40SISO	Ant1	2422	-22.21	≤8.00	PASS
		2437	-20.30	≤8.00	PASS
		2452	-21.95	≤8.00	PASS

Test Graphs

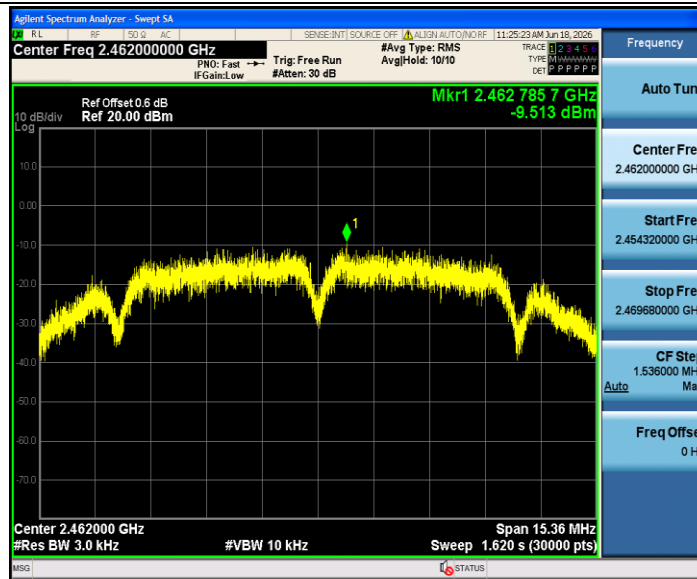
11B_Ant1_2412



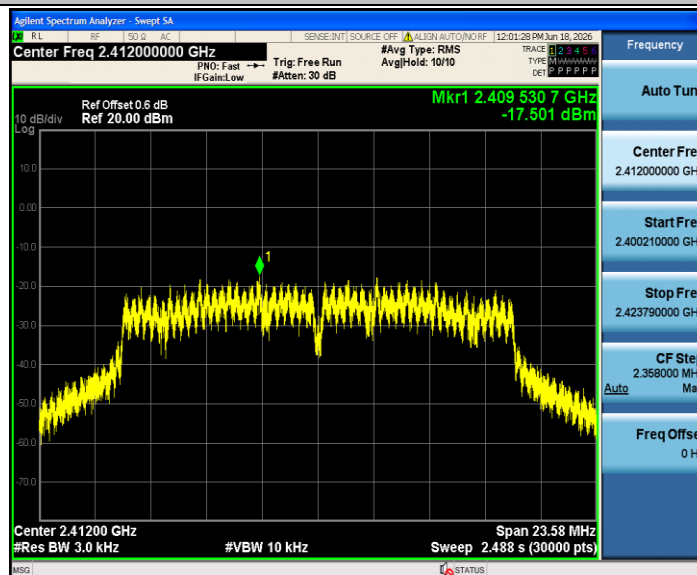
11B_Ant1_2437



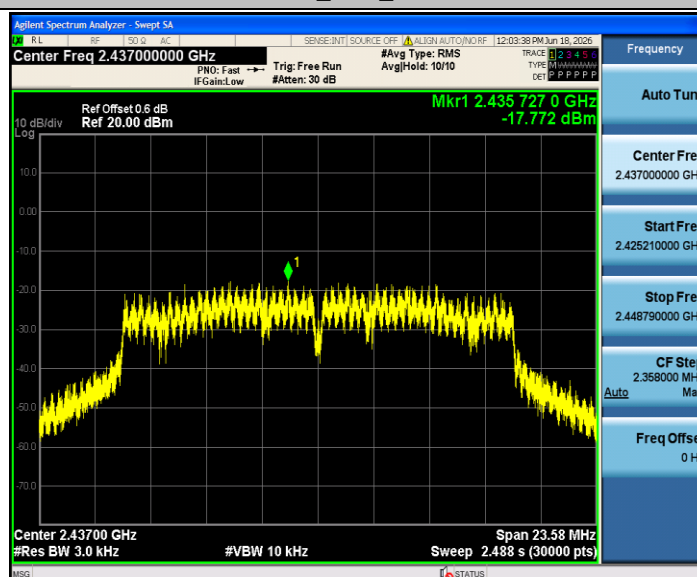
11B_Ant1_2462



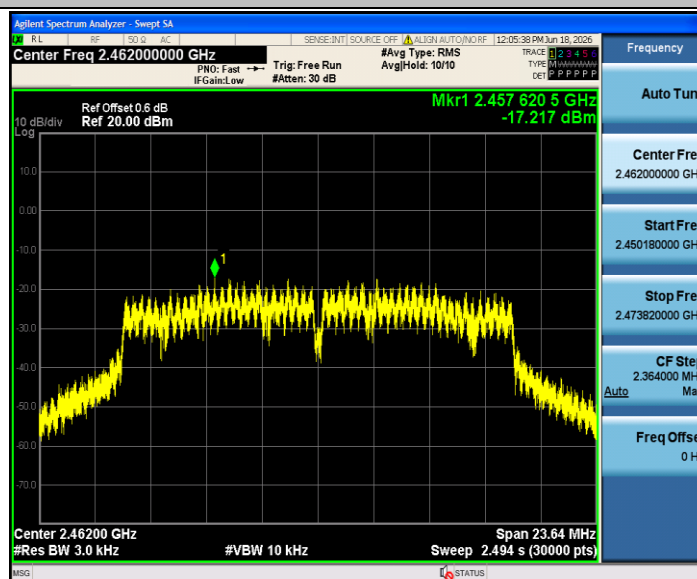
11G_Ant1_2412



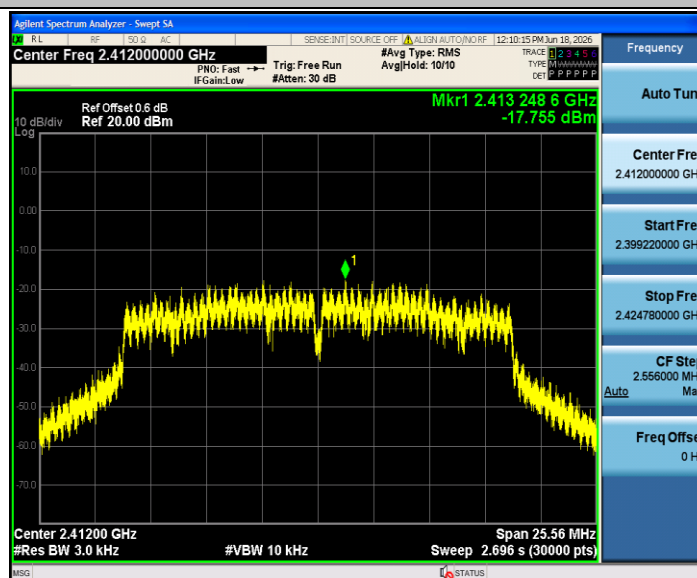
11G_Ant1_2437



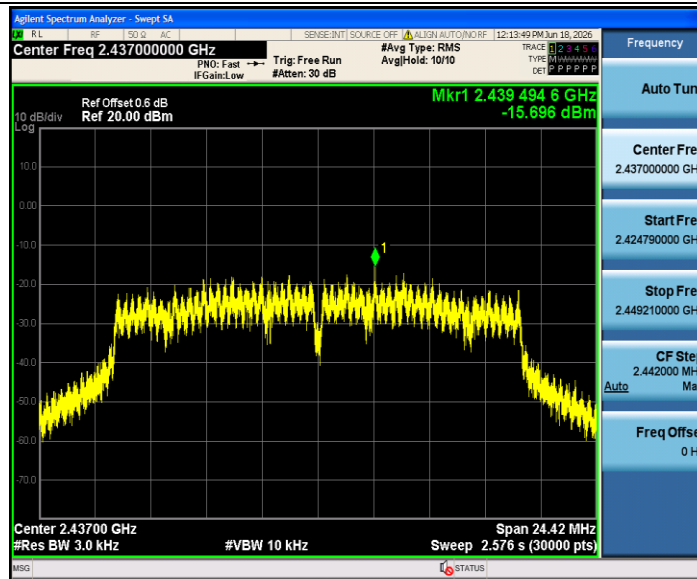
11G_Ant1_2462



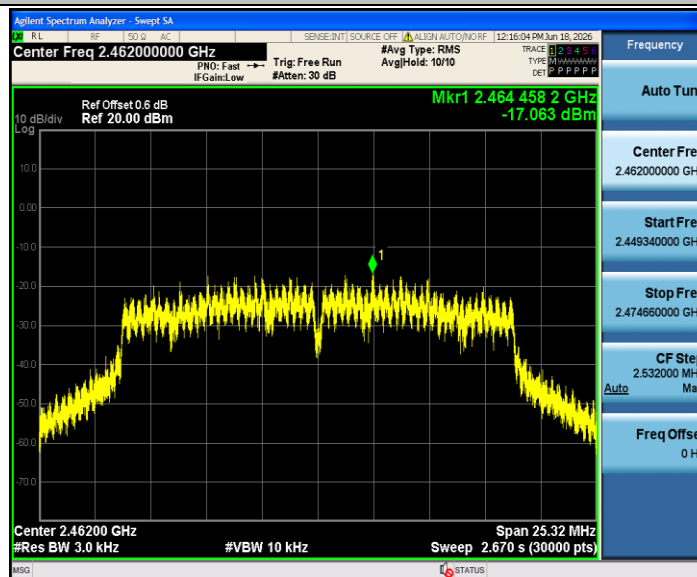
11N20SISO_Ant1_2412



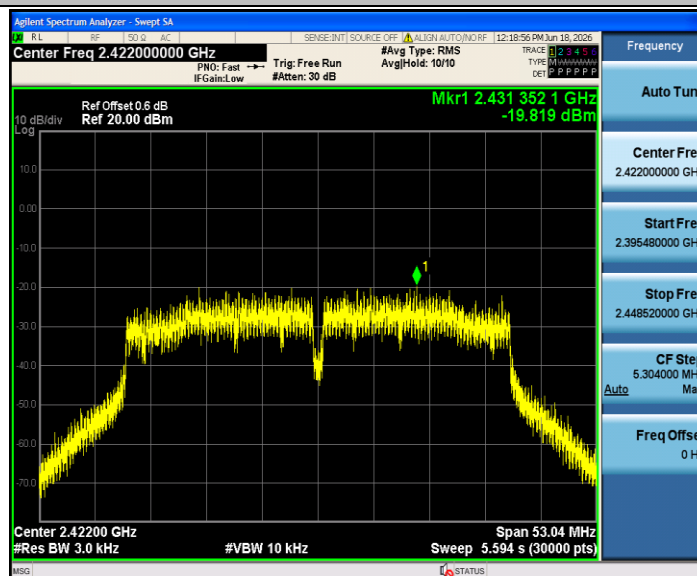
11N20SISO_Ant1_2437



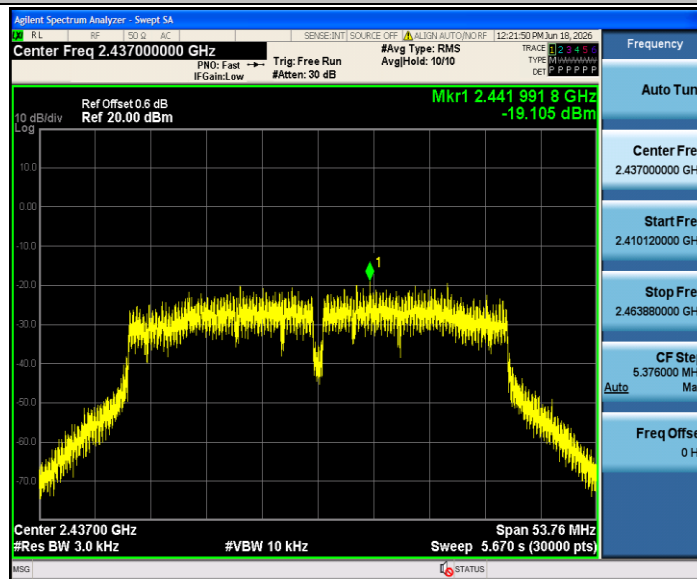
11N20SISO_Ant1_2462



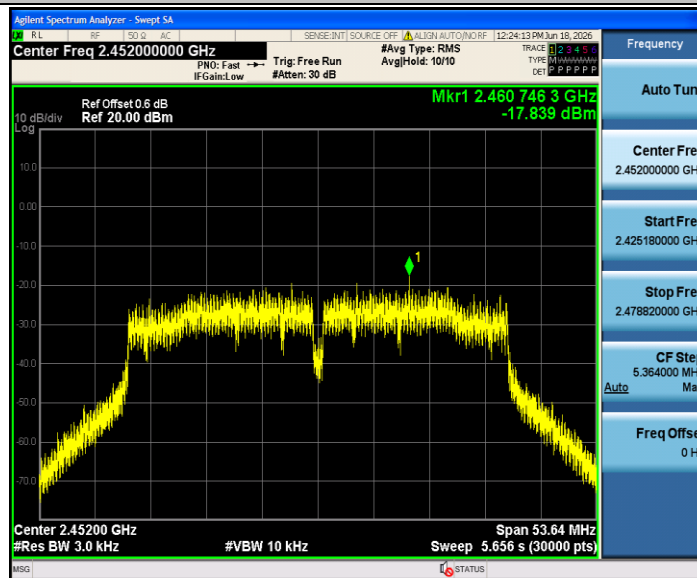
11N40SISO_Ant1_2422



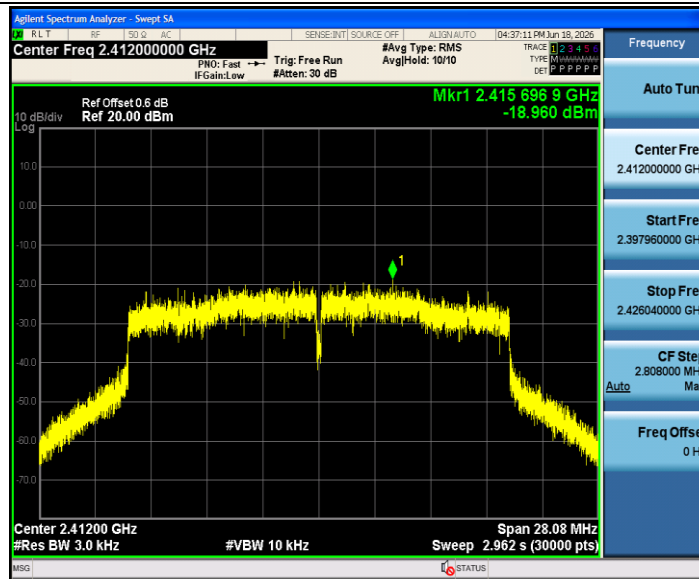
11N40SISO_Ant1_2437



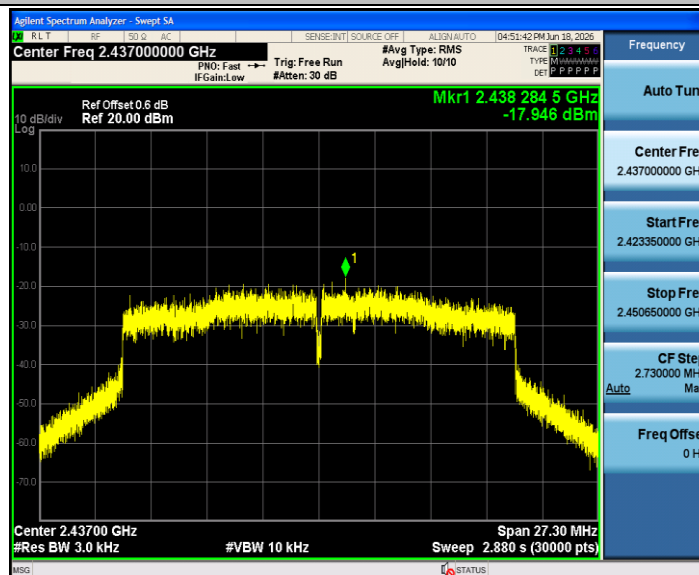
11N40SISO_Ant1_2452



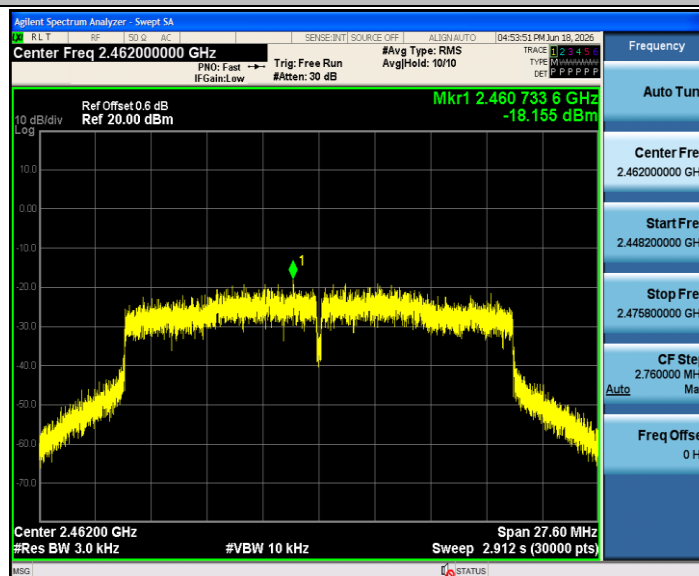
11AX20SISO_Ant1_2412



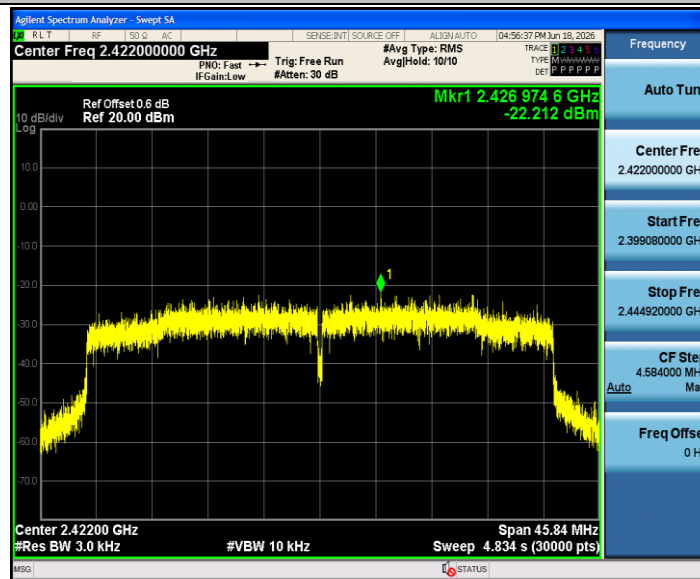
11AX20SISO_Ant1_2437



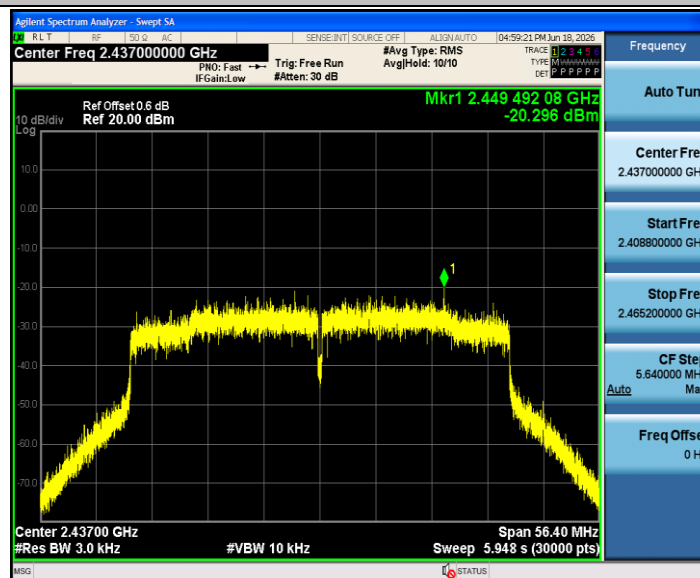
11AX20SISO_Ant1_2462



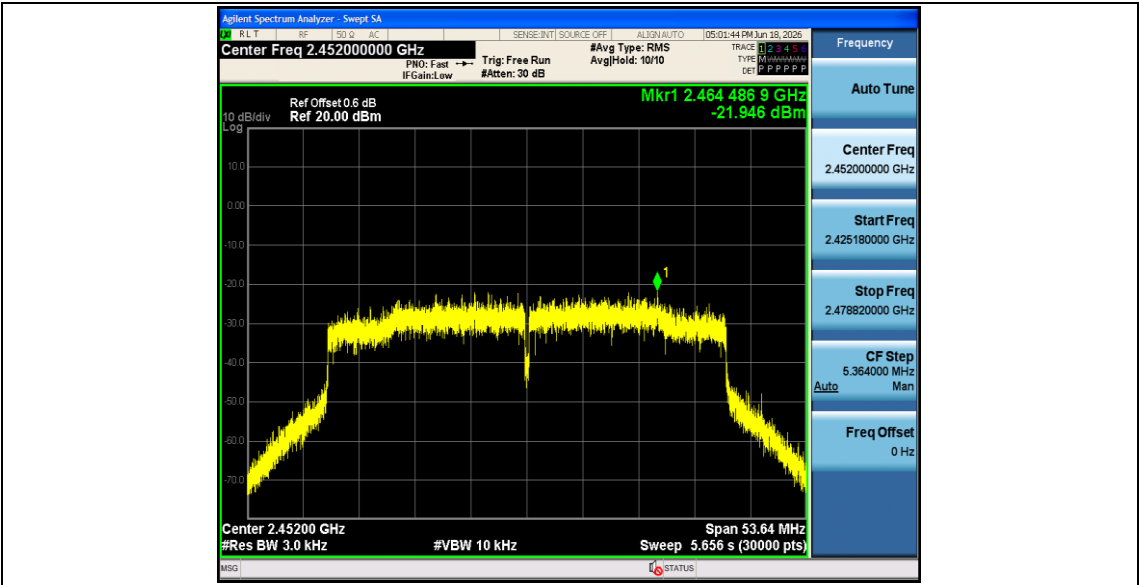
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



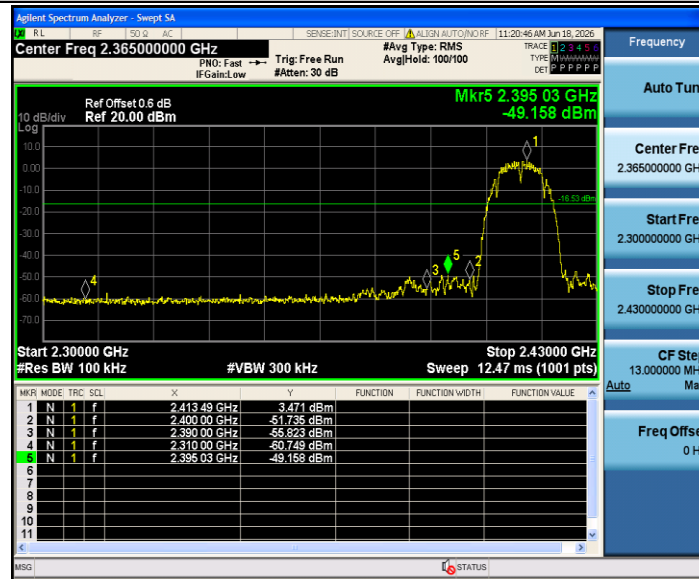
Appendix E: Band edge measurements

Test Result

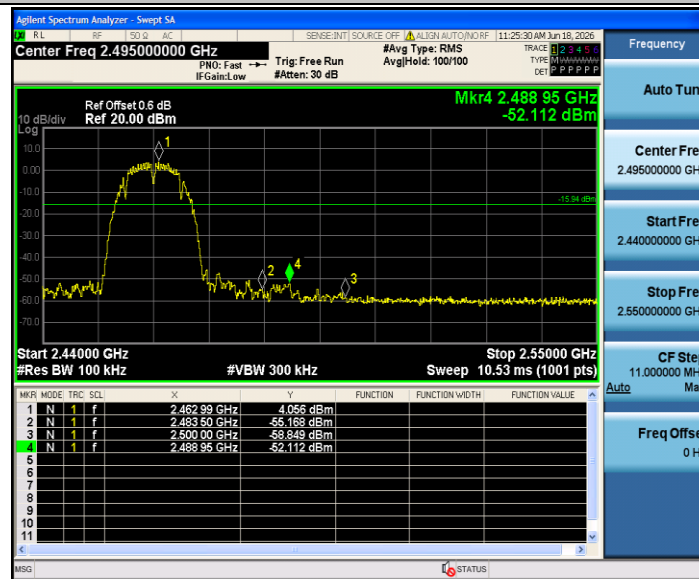
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.47	-49.16	≤-16.53	PASS
		High	2462	4.06	-52.11	≤-15.94	PASS
11G	Ant1	Low	2412	-2.34	-33.3	≤-22.34	PASS
		High	2462	-1.69	-57.96	≤-21.69	PASS
11N20SISO	Ant1	Low	2412	-2.37	-32.81	≤-22.37	PASS
		High	2462	-1.61	-57.94	≤-21.61	PASS
11N40SISO	Ant1	Low	2422	-5.37	-33.88	≤-25.37	PASS
		High	2452	-4.85	-56.53	≤-24.85	PASS
11AX20SISO	Ant1	Low	2412	-3.19	-33.91	≤-23.19	PASS
		High	2462	-2.66	-58.45	≤-22.66	PASS
11AX40SISO	Ant1	Low	2422	-6.22	-36.32	≤-26.22	PASS
		High	2452	-5.92	-57.11	≤-25.92	PASS

Test Graphs

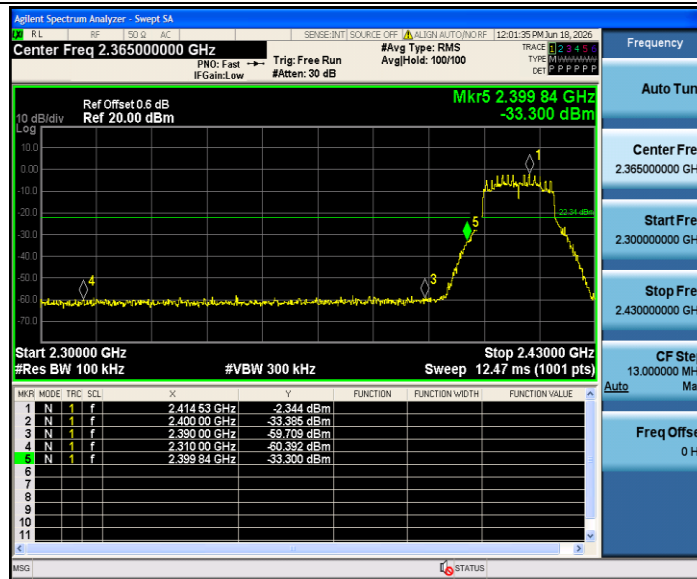
11B_Ant1_Low_2412



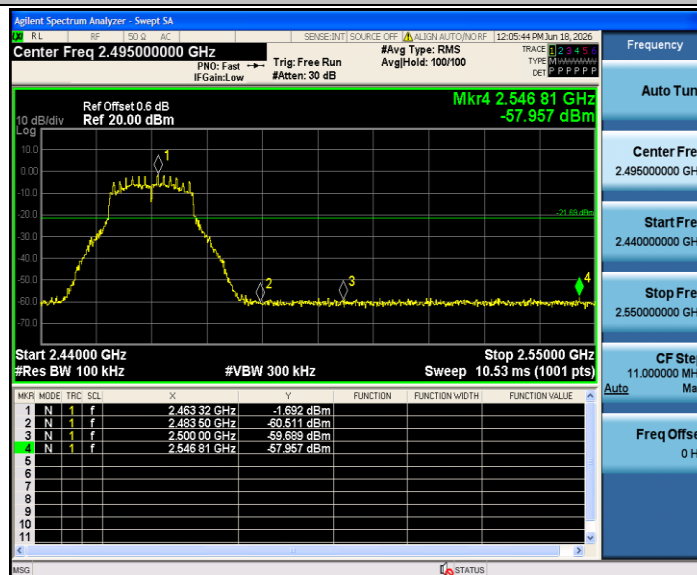
11B_Ant1_High_2462



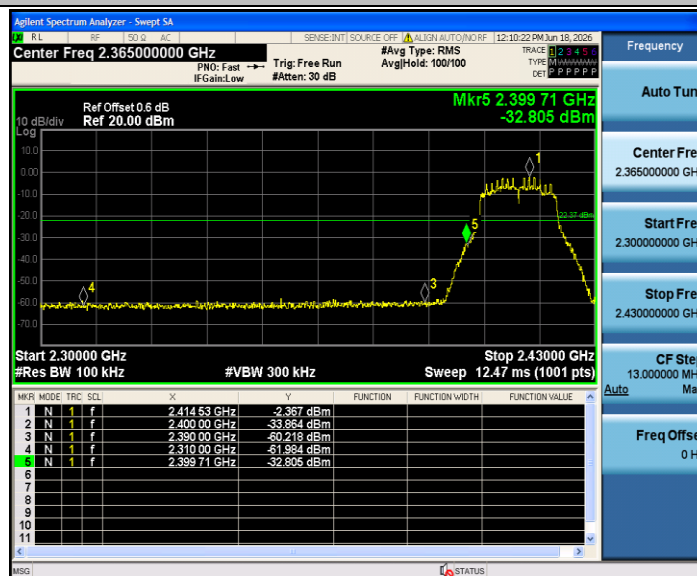
11G_Ant1_Low_2412



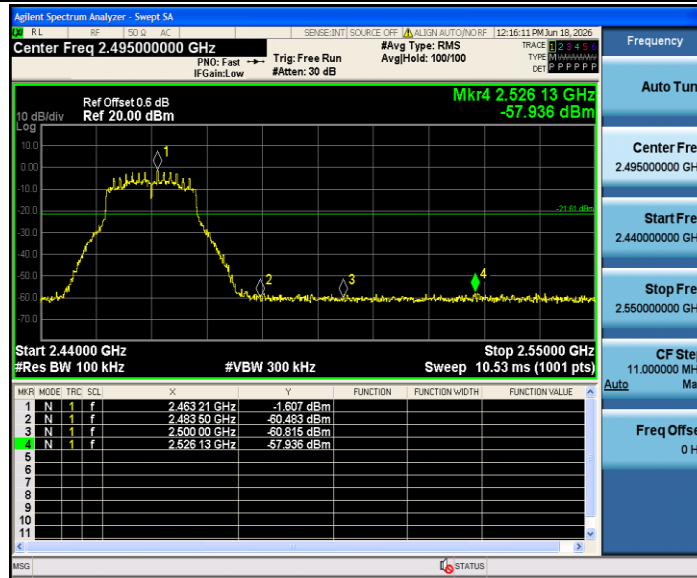
11G_Ant1_High_2462



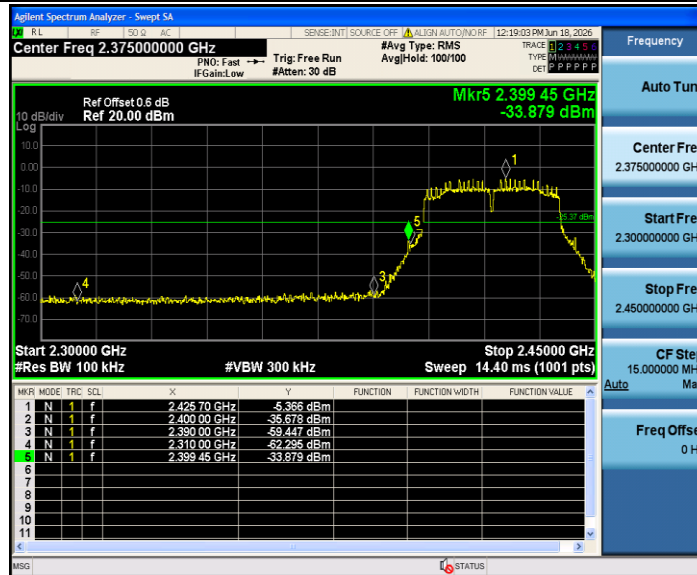
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



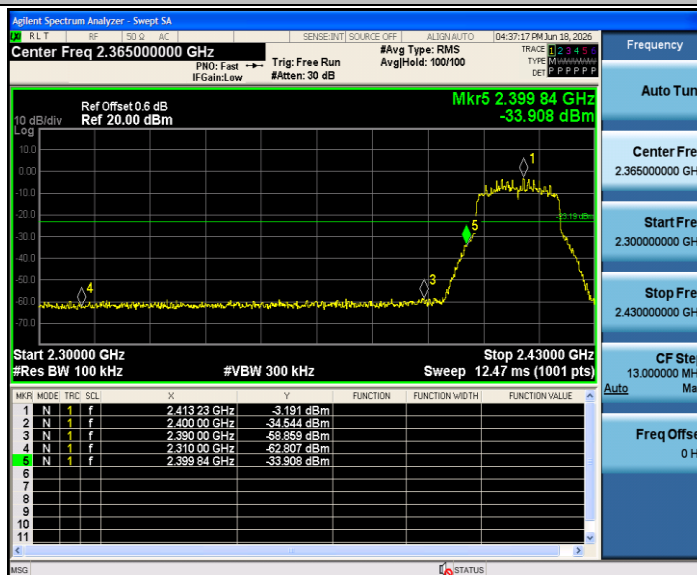
11N40SISO_Ant1_Low_2422



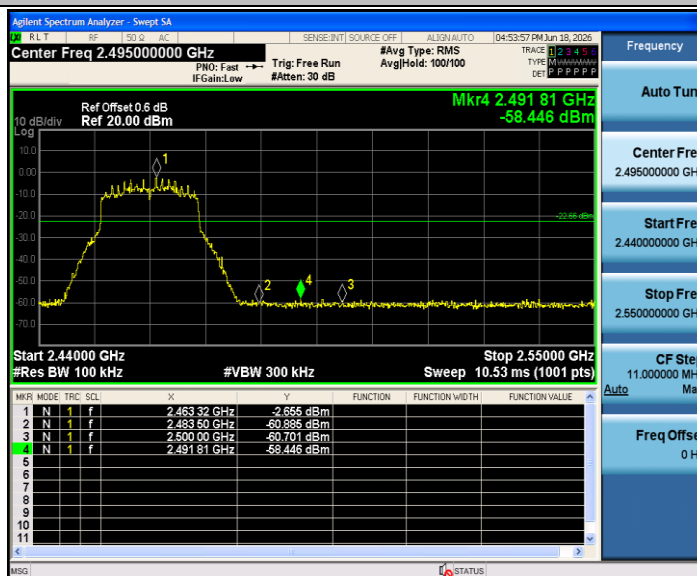
11N40SISO_Ant1_High_2452



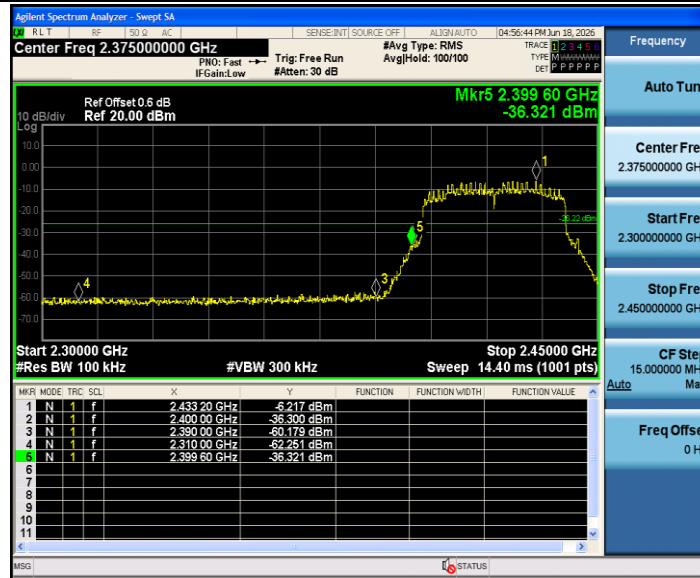
11AX20SISO_Ant1_Low_2412



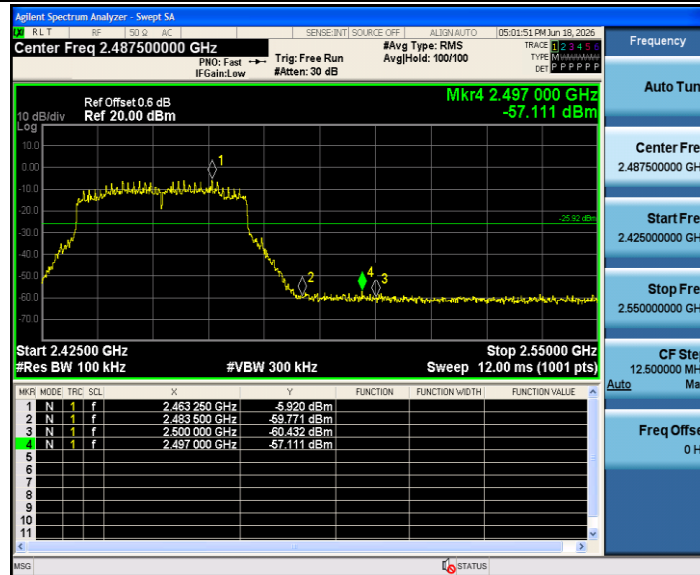
11AX20SISO_Ant1_High_2462



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	2.66	2.66	---	PASS
			30~1000	2.66	-68.62	≤-17.34	PASS
			1000~26500	2.66	-53.01	≤-17.34	PASS
		2437	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-68.88	≤-17.57	PASS
			1000~26500	2.43	-53.37	≤-17.57	PASS
		2462	Reference	3.04	3.04	---	PASS
			30~1000	3.04	-67.05	≤-16.96	PASS
			1000~26500	3.04	-53.38	≤-16.96	PASS
11G	Ant1	2412	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-68.98	≤-22.34	PASS
			1000~26500	-2.34	-57.35	≤-22.34	PASS
		2437	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-68.86	≤-22.15	PASS
			1000~26500	-2.15	-57.26	≤-22.15	PASS
		2462	Reference	-2.34	-2.34	---	PASS
			30~1000	-2.34	-68.86	≤-22.34	PASS
			1000~26500	-2.34	-56.68	≤-22.34	PASS
11N20SISO	Ant1	2412	Reference	-3.30	-3.30	---	PASS
			30~1000	-3.30	-68.42	≤-23.3	PASS
			1000~26500	-3.30	-56.9	≤-23.3	PASS
		2437	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-68.85	≤-21.99	PASS
			1000~26500	-1.99	-55.53	≤-21.99	PASS
		2462	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-67.94	≤-21.92	PASS
			1000~26500	-1.92	-56.72	≤-21.92	PASS
11N40SISO	Ant1	2422	Reference	-5.38	-5.38	---	PASS
			30~1000	-5.38	-68.92	≤-25.38	PASS
			1000~26500	-5.38	-56.7	≤-25.38	PASS
		2437	Reference	-5.68	-5.68	---	PASS
			30~1000	-5.68	-68.4	≤-25.68	PASS
			1000~26500	-5.68	-56.86	≤-25.68	PASS
		2452	Reference	-5.39	-5.39	---	PASS
			30~1000	-5.39	-68.66	≤-25.39	PASS
			1000~26500	-5.39	-56.63	≤-25.39	PASS
11AX20SISO	Ant1	2412	Reference	-3.53	-3.53	---	PASS

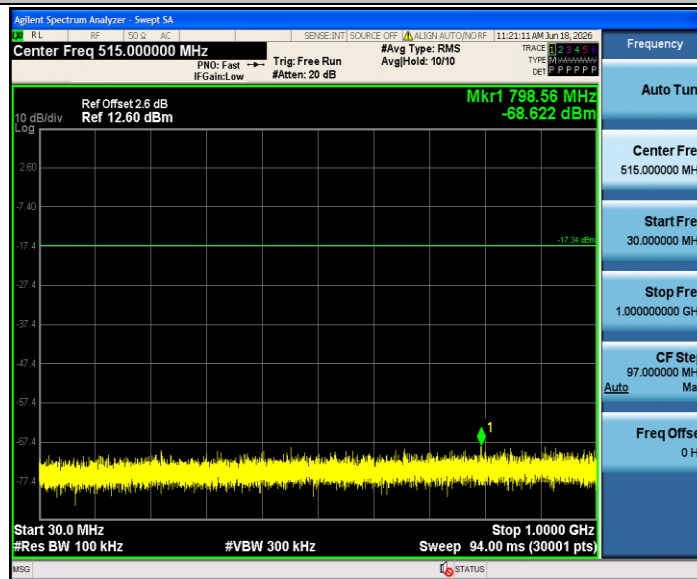
			30~1000	-3.53	-69.07	≤ -23.53	PASS
			1000~26500	-3.53	-46.38	≤ -23.53	PASS
		2437	Reference	-4.21	-4.21	---	PASS
			30~1000	-4.21	-68.7	≤ -24.21	PASS
			1000~26500	-4.21	-46.29	≤ -24.21	PASS
		2462	Reference	-2.64	-2.64	---	PASS
			30~1000	-2.64	-68.78	≤ -22.64	PASS
			1000~26500	-2.64	-46.15	≤ -22.64	PASS
11AX40SISO	Ant1	2422	Reference	-6.64	-6.64	---	PASS
			30~1000	-6.64	-68.74	≤ -26.64	PASS
			1000~26500	-6.64	-46.04	≤ -26.64	PASS
		2437	Reference	-6.86	-6.86	---	PASS
			30~1000	-6.86	-69	≤ -26.86	PASS
			1000~26500	-6.86	-46.12	≤ -26.86	PASS
		2452	Reference	-6.55	-6.55	---	PASS
			30~1000	-6.55	-68.79	≤ -26.55	PASS
			1000~26500	-6.55	-45.45	≤ -26.55	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500