Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.440	2416.520	≥0.5	PASS
	Ant2	2412	9.080	2407.440	2416.520	≥0.5	PASS
	Ant1	2437	9.520	2432.440	2441.960	≥0.5	PASS
	Ant2	2437	9.080	2432.440	2441.520	≥0.5	PASS
	Ant1	2462	9.080	2457.440	2466.520	≥0.5	PASS
	Ant2	2462	9.520	2457.000	2466.520	≥0.5	PASS
11G	Ant1	2412	16.480	2403.720	2420.200	≥0.5	PASS
	Ant2	2412	16.480	2403.720	2420.200	≥0.5	PASS
	Ant1	2437	16.440	2428.760	2445.200	≥0.5	PASS
	Ant2	2437	16.520	2428.720	2445.240	≥0.5	PASS
	Ant1	2462	16.400	2453.760	2470.160	≥0.5	PASS
	Ant2	2462	16.480	2453.720	2470.200	≥0.5	PASS
11N20MIMO	Ant1	2412	16.680	2403.600	2420.280	≥0.5	PASS
	Ant2	2412	16.880	2403.480	2420.360	≥0.5	PASS
	Ant1	2437	16.760	2428.600	2445.360	≥0.5	PASS
	Ant2	2437	16.760	2428.600	2445.360	≥0.5	PASS
	Ant1	2462	16.640	2453.480	2470.120	≥0.5	PASS
	Ant2	2462	17.000	2453.360	2470.360	≥0.5	PASS
11N40MIMO	Ant1	2422	35.680	2404.080	2439.760	≥0.5	PASS
	Ant2	2422	35.520	2404.240	2439.760	≥0.5	PASS
	Ant1	2437	35.440	2419.160	2454.600	≥0.5	PASS
	Ant2	2437	35.840	2419.080	2454.920	≥0.5	PASS
	Ant1	2452	35.360	2434.160	2469.520	≥0.5	PASS
	Ant2	2452	35.440	2434.080	2469.520	≥0.5	PASS

Test Graphs

11B_Ant1_2412

11B_Ant2_2412

11B_Ant1_2437

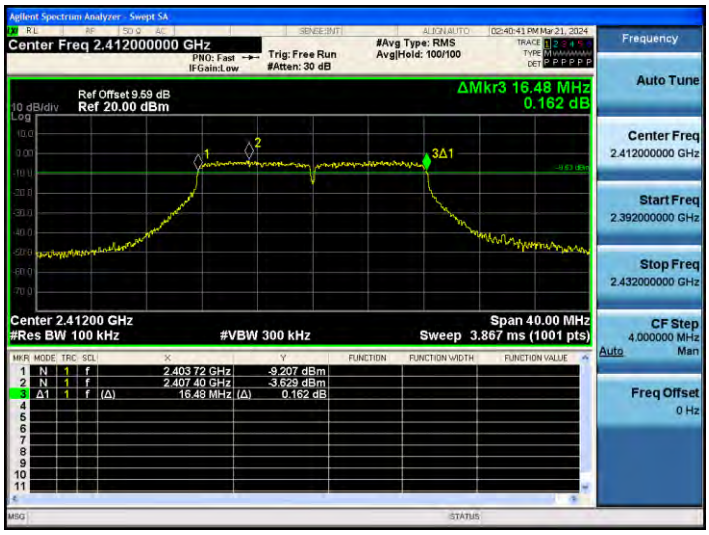
11B_Ant2_2437

11B_Ant1_2462

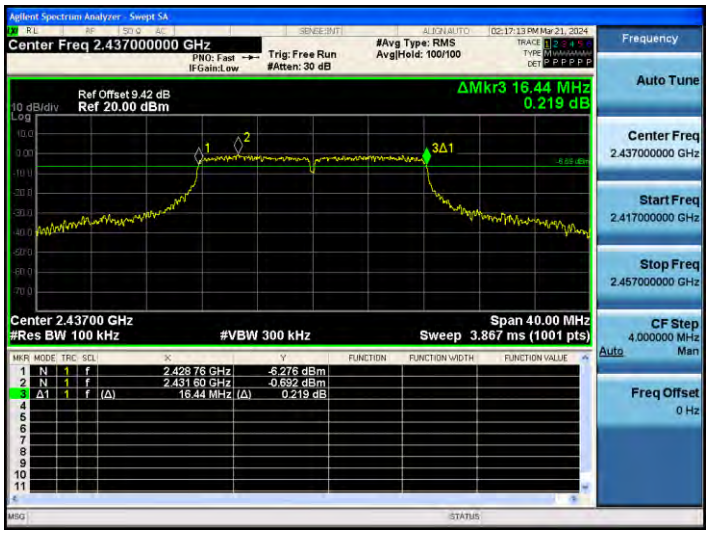
11B_Ant2_2462

11G_Ant1_2412

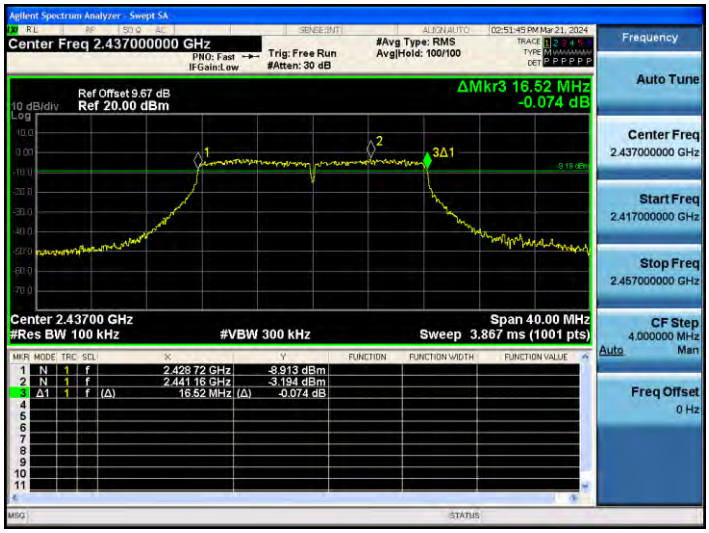
11G_Ant2_2412



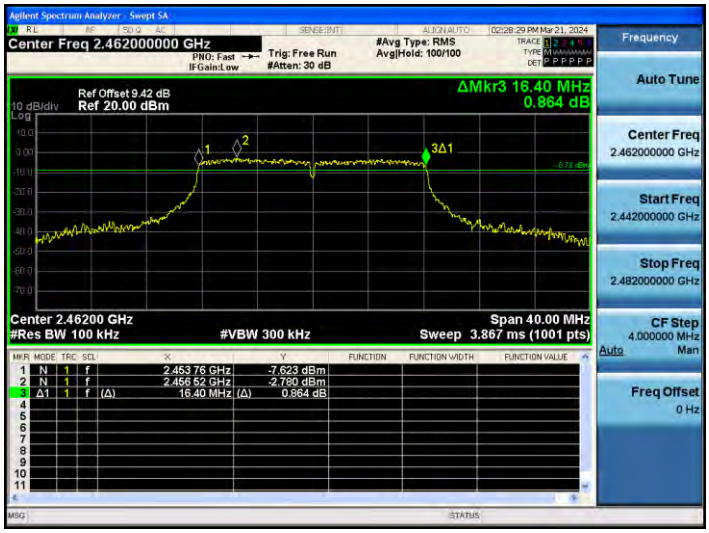
11G_Ant1_2437



11G_Ant2_2437



11G_Ant1_2462

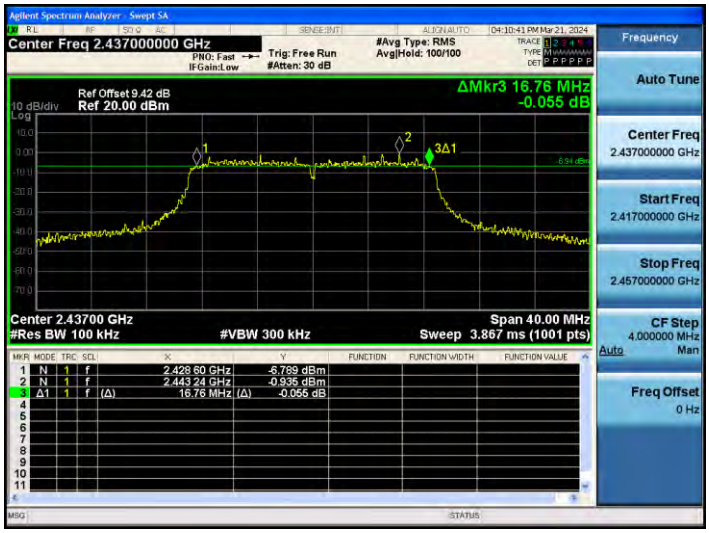


11G_Ant2_2462

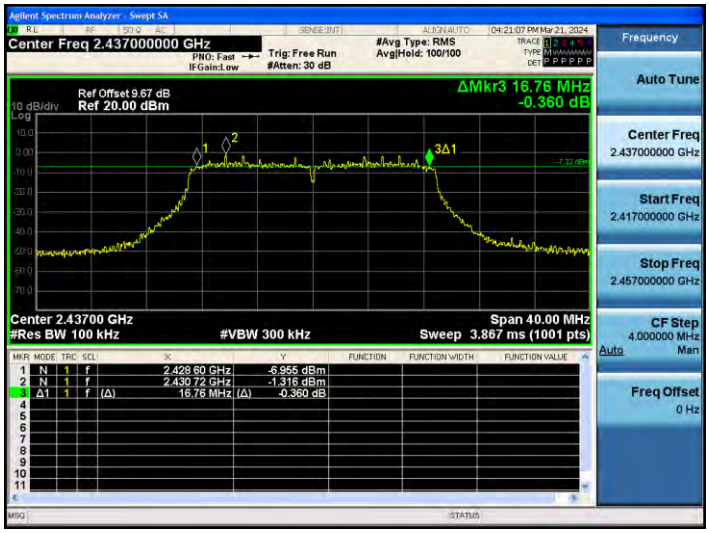
11N20MIMO_Ant1_2412

11N20MIMO_Ant2_2412

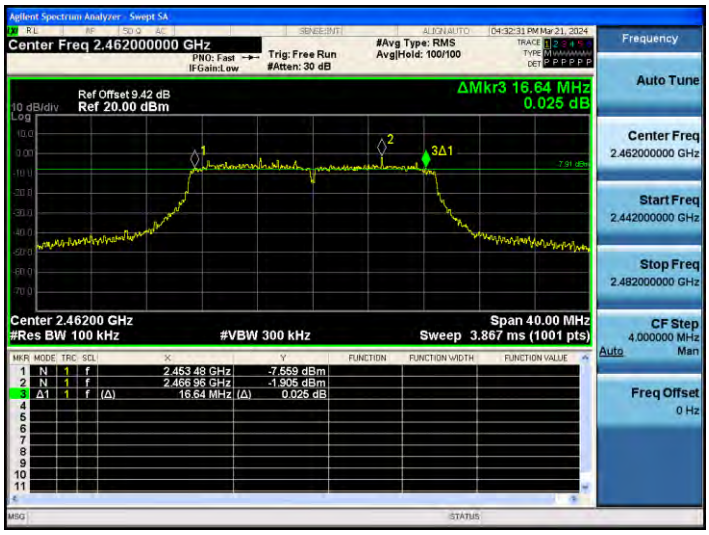
11N20MIMO_Ant1_2437



11N20MIMO_Ant2_2437

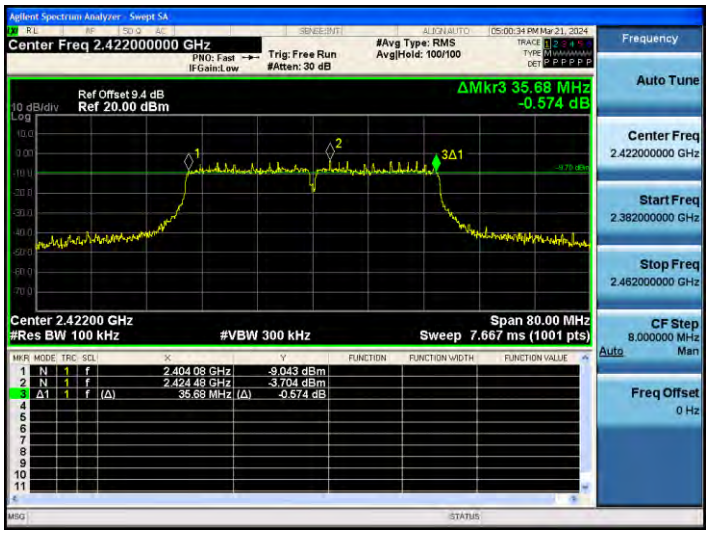


11N20MIMO_Ant1_2462

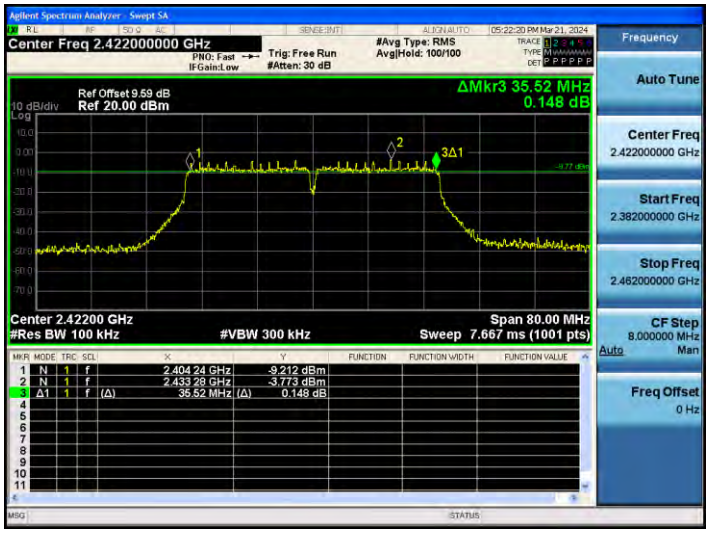


11N20MIMO_Ant2_2462

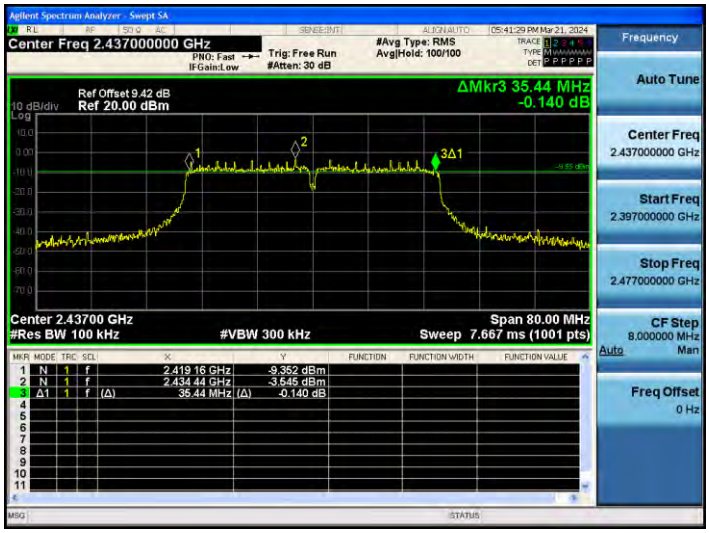
11N40MIMO_Ant1_2422



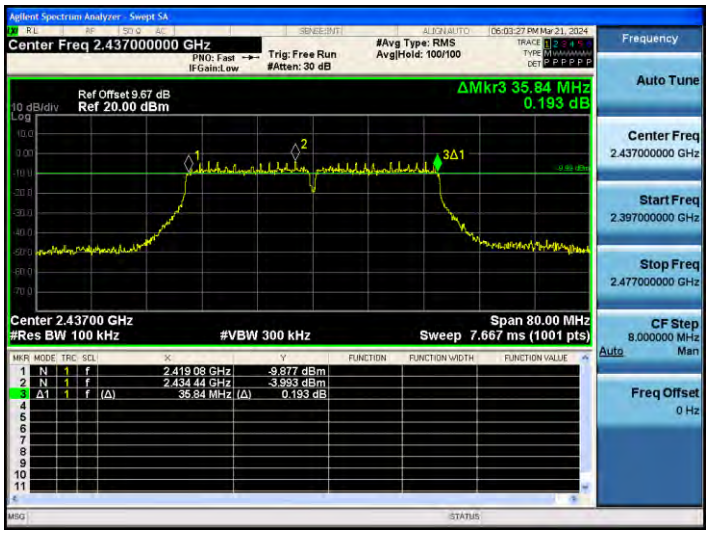
11N40MIMO_Ant2_2422



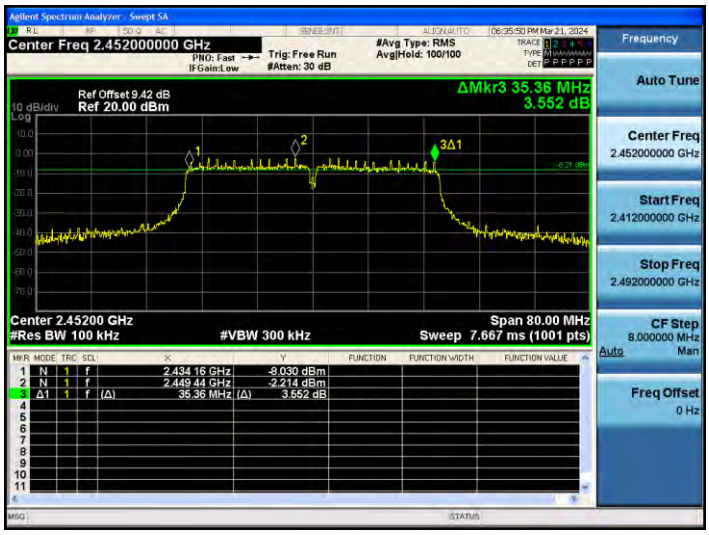
11N40MIMO_Ant1_2437



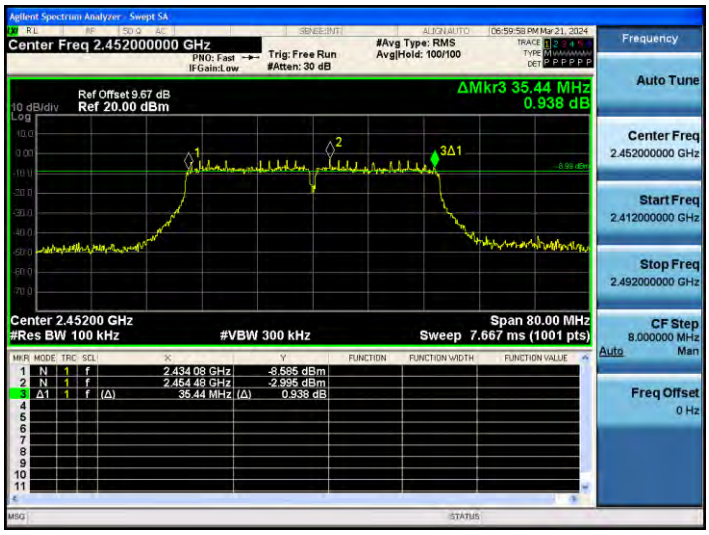
11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



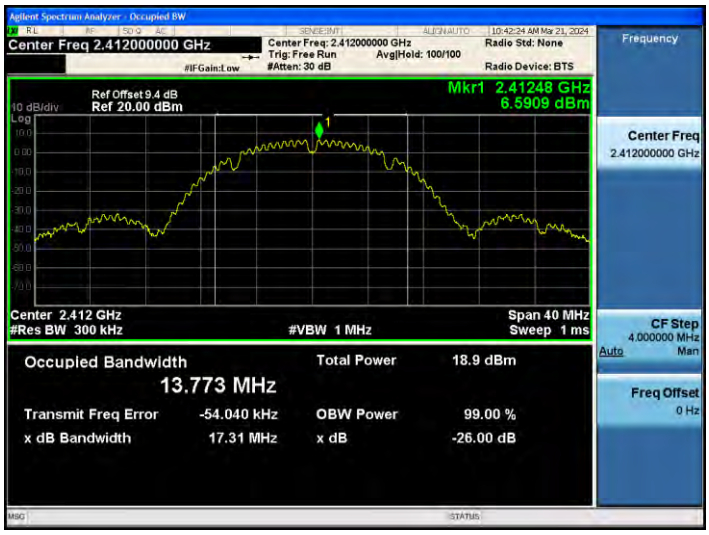
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.773	2405.0595	2418.8325	---	---
	Ant2	2412	13.650	2405.1359	2418.7859	---	---
	Ant1	2437	13.762	2430.0712	2443.8332	---	---
	Ant2	2437	13.658	2430.1460	2443.8040	---	---
	Ant1	2462	13.726	2455.0450	2468.7710	---	---
	Ant2	2462	13.649	2455.0996	2468.7486	---	---
11G	Ant1	2412	16.624	2403.6465	2420.2705	---	---
	Ant2	2412	16.550	2403.6700	2420.2200	---	---
	Ant1	2437	16.629	2428.6271	2445.2561	---	---
	Ant2	2437	16.607	2428.6410	2445.2480	---	---
	Ant1	2462	16.589	2453.6448	2470.2338	---	---
	Ant2	2462	16.605	2453.6332	2470.2382	---	---
11N20MIMO	Ant1	2412	17.676	2403.1467	2420.8227	---	---
	Ant2	2412	17.677	2403.1548	2420.8318	---	---
	Ant1	2437	17.650	2428.1584	2445.8084	---	---
	Ant2	2437	17.667	2428.1559	2445.8229	---	---
	Ant1	2462	17.633	2453.1447	2470.7777	---	---
	Ant2	2462	17.684	2453.1294	2470.8134	---	---
11N40MIMO	Ant1	2422	36.851	2403.5366	2440.3876	---	---
	Ant2	2422	36.697	2403.6083	2440.3053	---	---
	Ant1	2437	36.624	2418.6113	2455.2353	---	---
	Ant2	2437	36.733	2418.6595	2455.3925	---	---
	Ant1	2452	36.518	2433.6363	2470.1543	---	---
	Ant2	2452	36.650	2433.6344	2470.2844	---	---

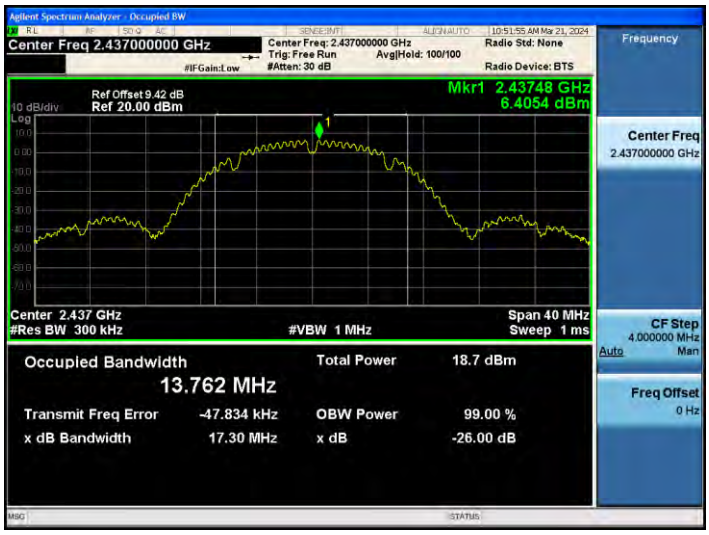
Test Graphs

11B_Ant1_2412

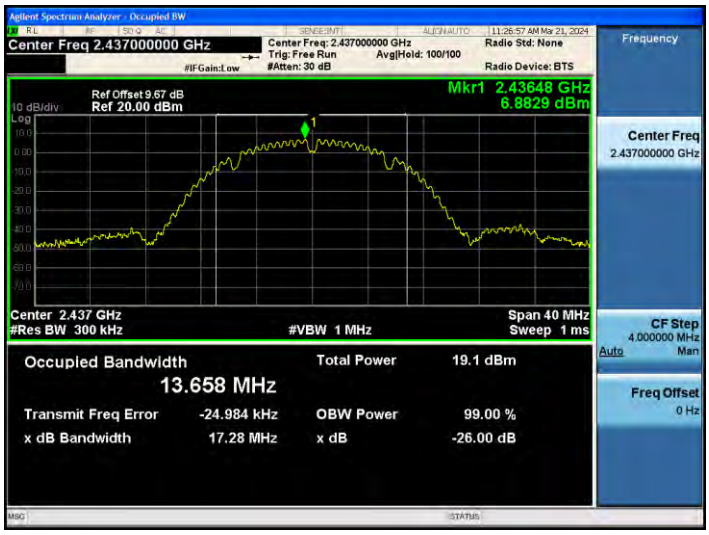


11B_Ant2_2412

11B_Ant1_2437



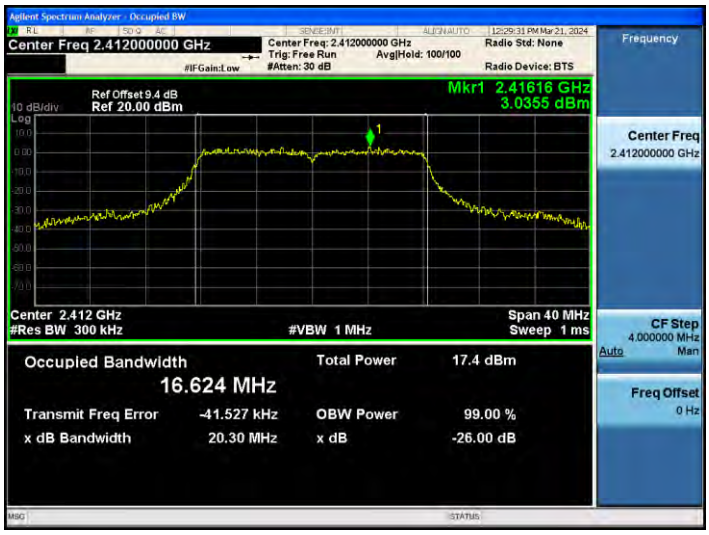
11B_Ant2_2437



11B_Ant1_2462

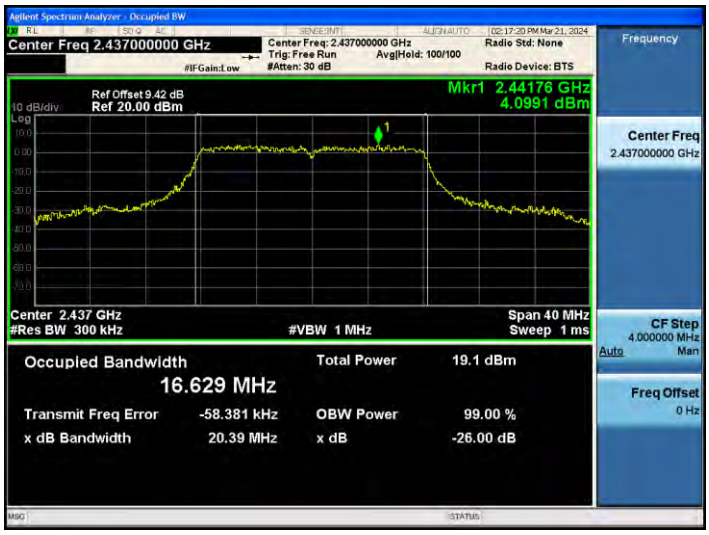
11B_Ant2_2462

11G_Ant1_2412

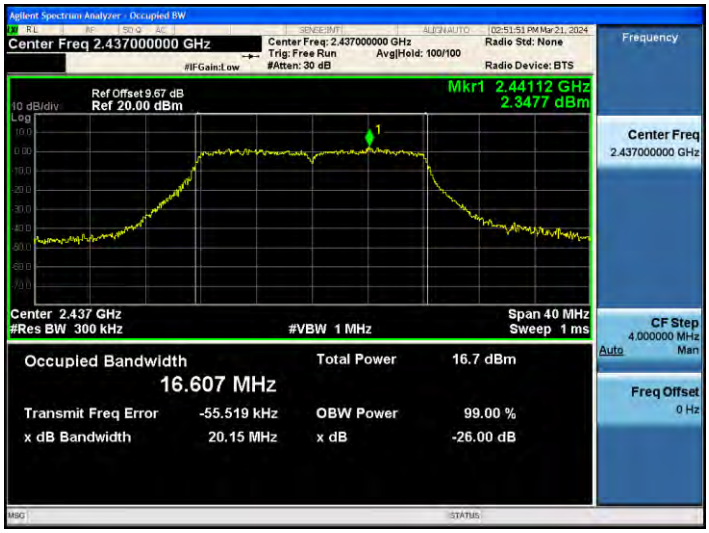


11G_Ant2_2412

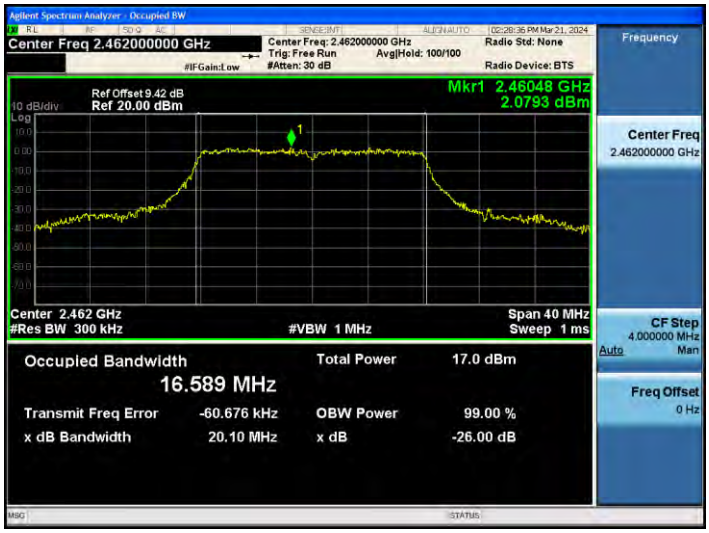
11G_Ant1_2437



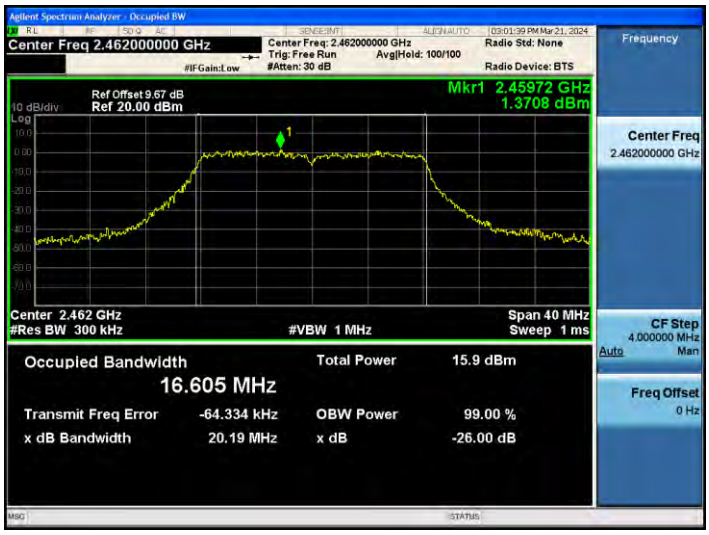
11G_Ant2_2437



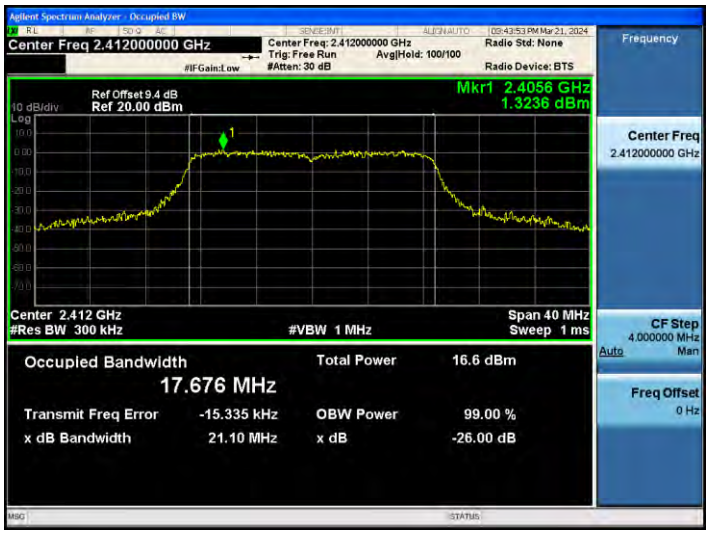
11G_Ant1_2462



11G_Ant2_2462

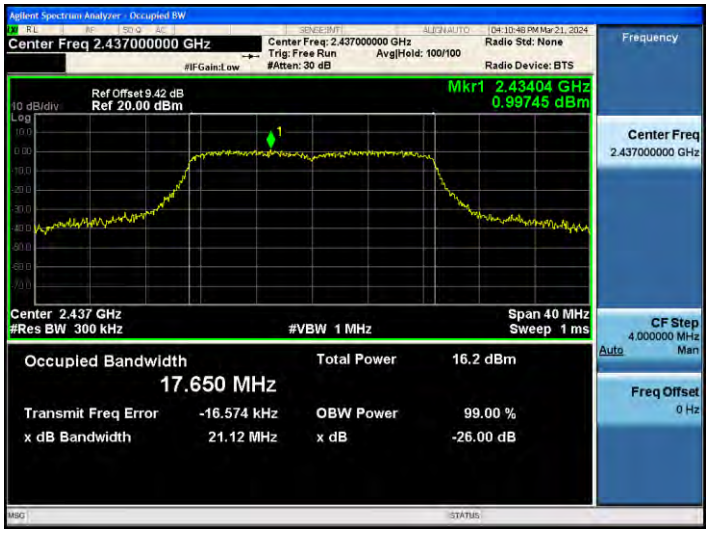


11N20MIMO_Ant1_2412

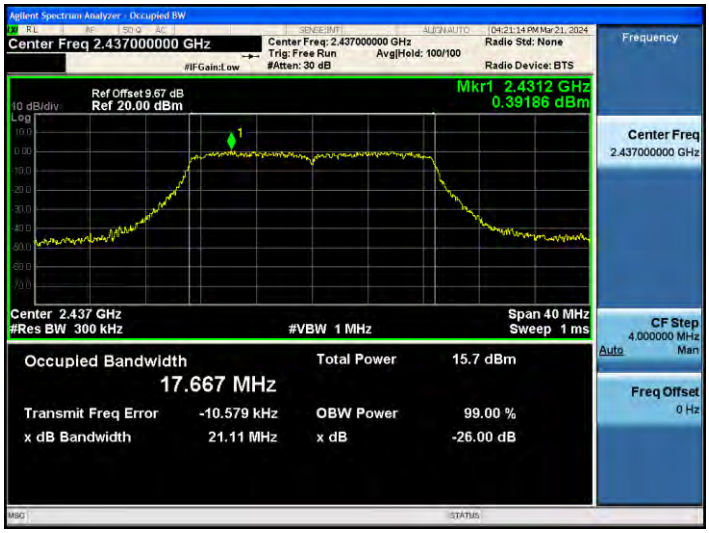


11N20MIMO_Ant2_2412

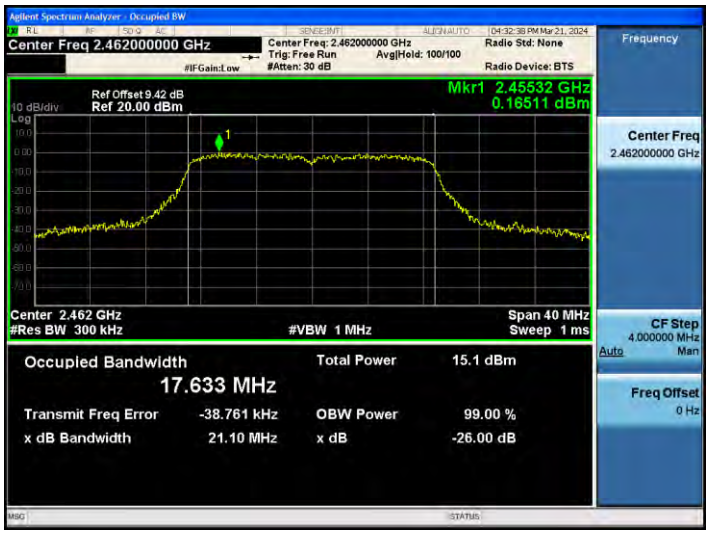
11N20MIMO_Ant1_2437



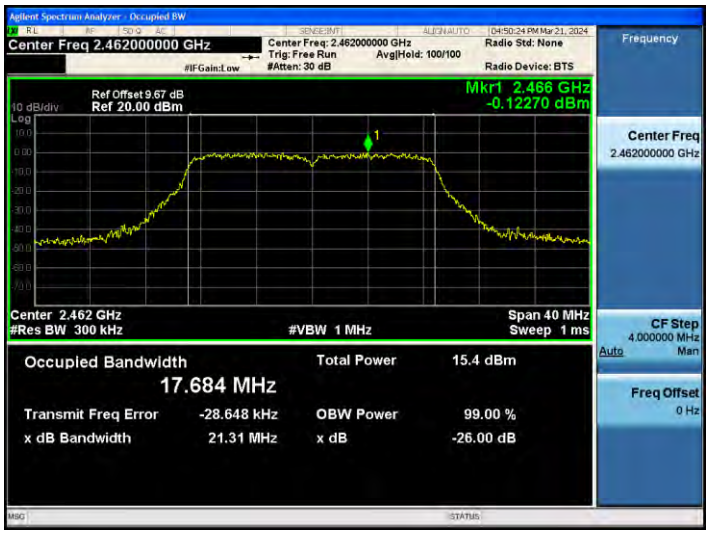
11N20MIMO_Ant2_2437



11N20MIMO_Ant1_2462



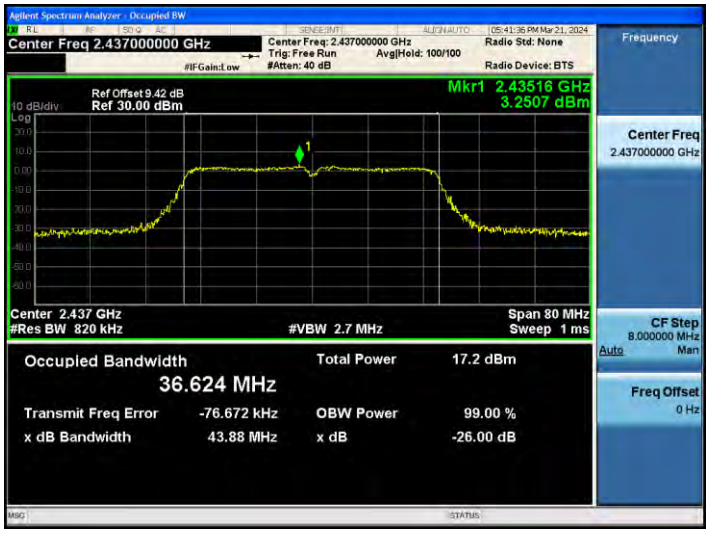
11N20MIMO_Ant2_2462



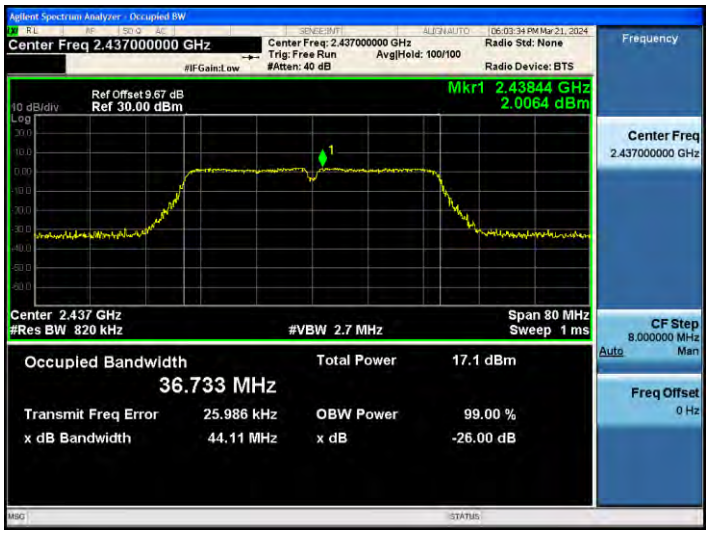
11N40MIMO_Ant1_2422

11N40MIMO_Ant2_2422

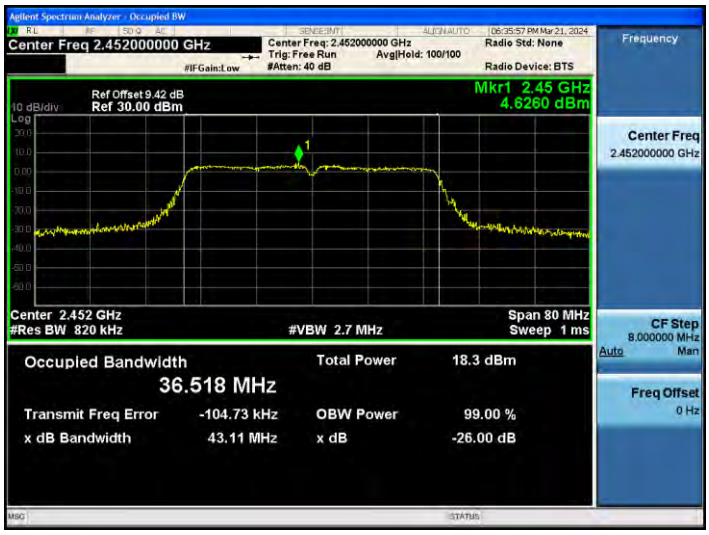
11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452

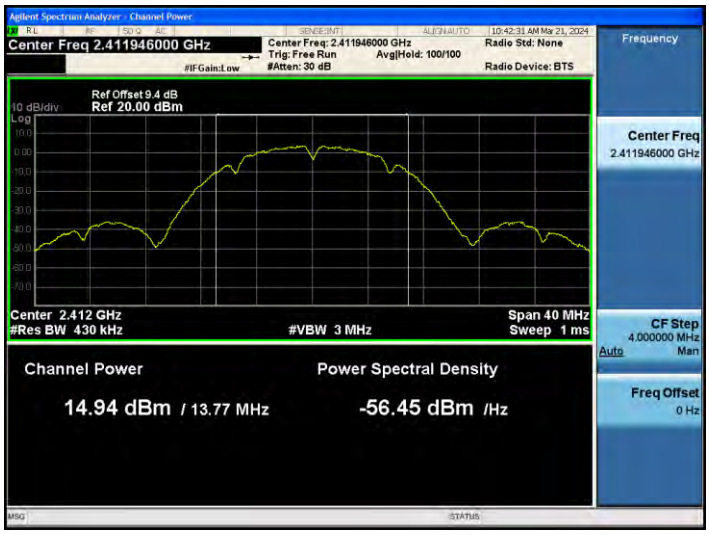
Appendix C: Maximum conducted output power

Test Result

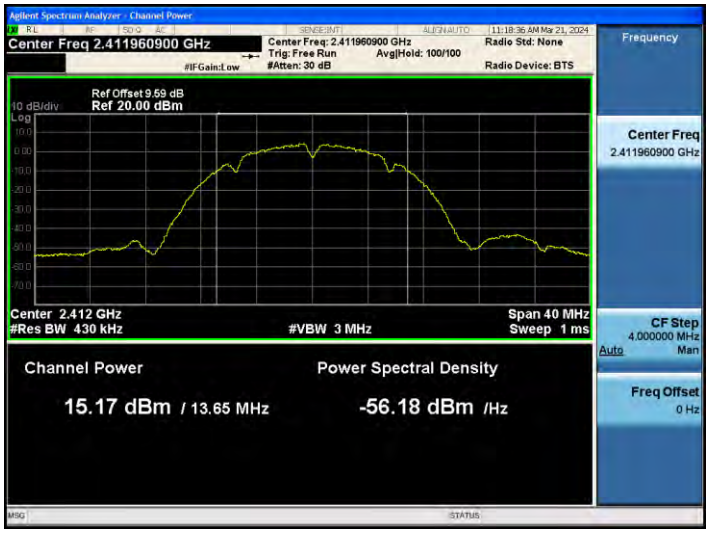
Test Mode	Antenna	Channel	Level [dBm]	10Log(1/X) Factor [dB]	Power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.94	0.00	14.94	≤30.00	PASS
	Ant2	2412	15.17	0.00	15.17	≤30.00	PASS
	Ant1	2437	14.72	0.00	14.72	≤30.00	PASS
	Ant2	2437	15.14	0.00	15.14	≤30.00	PASS
	Ant1	2462	13.97	0.00	13.97	≤30.00	PASS
	Ant2	2462	14.70	0.00	14.70	≤30.00	PASS
11G	Ant1	2412	11.45	0.00	11.45	≤30.00	PASS
	Ant2	2412	10.30	0.00	10.30	≤30.00	PASS
	Ant1	2437	12.92	0.00	12.92	≤30.00	PASS
	Ant2	2437	10.65	0.00	10.65	≤30.00	PASS
	Ant1	2462	10.99	0.00	10.99	≤30.00	PASS
	Ant2	2462	9.88	0.00	9.88	≤30.00	PASS
11N20MIMO	Ant1	2412	10.17	0.20	10.37	≤30.00	PASS
	Ant2	2412	9.17	0.20	9.37	≤30.00	PASS
	Total	2412	--	--	12.91	≤29.70	PASS
	Ant1	2437	9.90	0.23	10.13	≤30.00	PASS
	Ant2	2437	9.46	0.20	9.66	≤30.00	PASS
	Total	2437	--	--	12.91	≤29.70	PASS
	Ant1	2462	8.80	0.23	9.03	≤30.00	PASS
	Ant2	2462	9.26	0.20	9.46	≤30.00	PASS
	Total	2462	--	--	12.26	≤29.70	PASS
11N40MIMO	Ant1	2422	9.94	0.00	9.94	≤30.00	PASS
	Ant2	2422	9.94	0.00	9.94	≤30.00	PASS
	Total	2422	--	--	12.95	≤29.70	PASS
	Ant1	2437	9.97	0.00	9.97	≤30.00	PASS
	Ant2	2437	9.83	0.00	9.83	≤30.00	PASS
	Total	2437	--	--	12.91	≤29.70	PASS
	Ant1	2452	10.88	0.00	10.88	≤30.00	PASS
	Ant2	2452	10.30	0.00	10.3	≤30.00	PASS
	Total	2452	--	--	13.61	≤29.70	PASS

Test Graphs

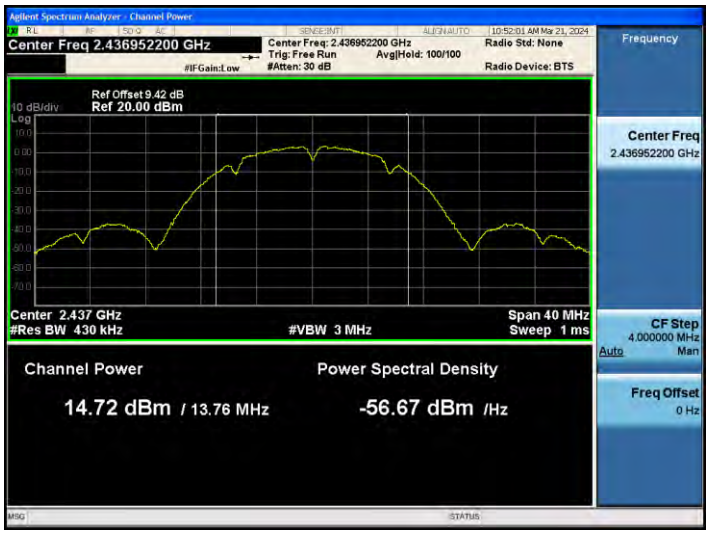
11B_Ant1_2412



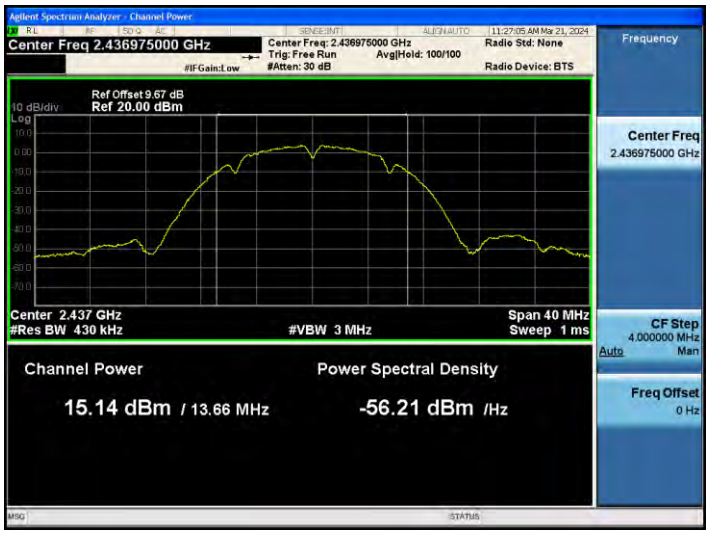
11B_Ant2_2412



11B_Ant1_2437



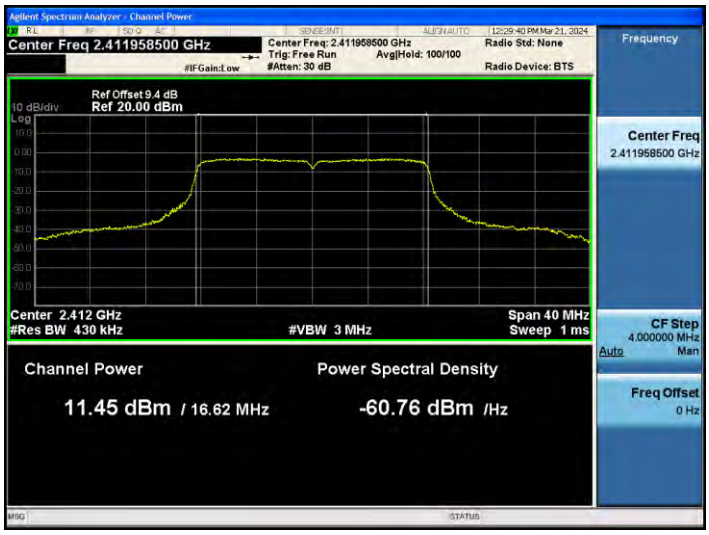
11B_Ant2_2437



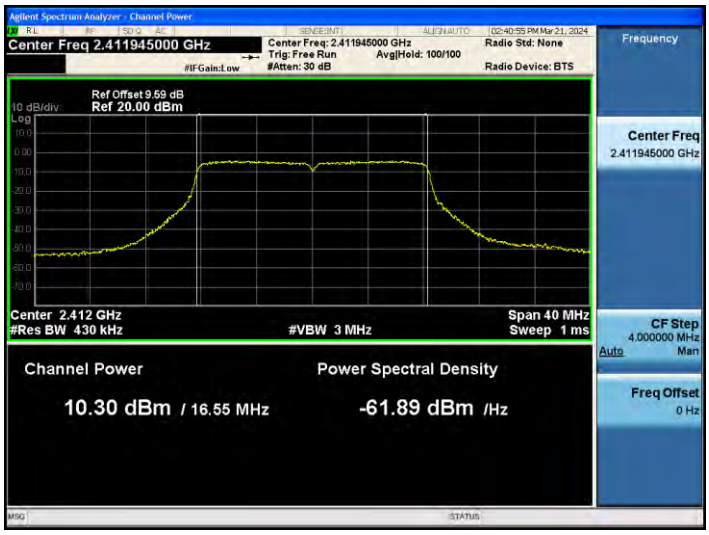
11B_Ant1_2462

11B_Ant2_2462

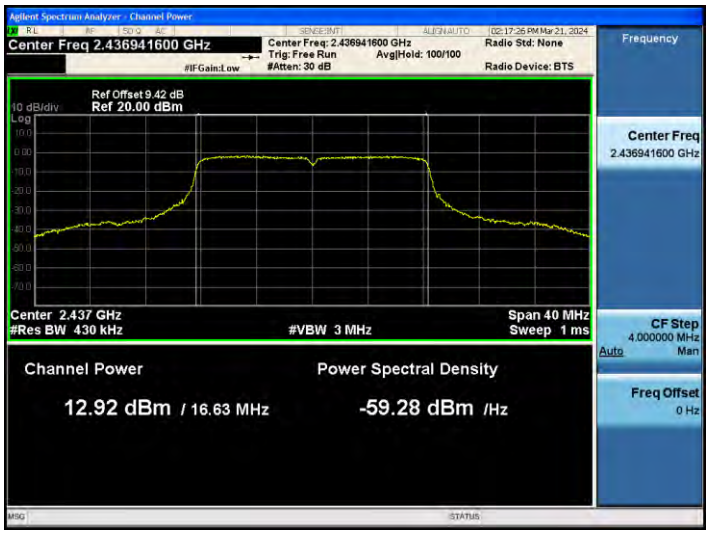
11G_Ant1_2412



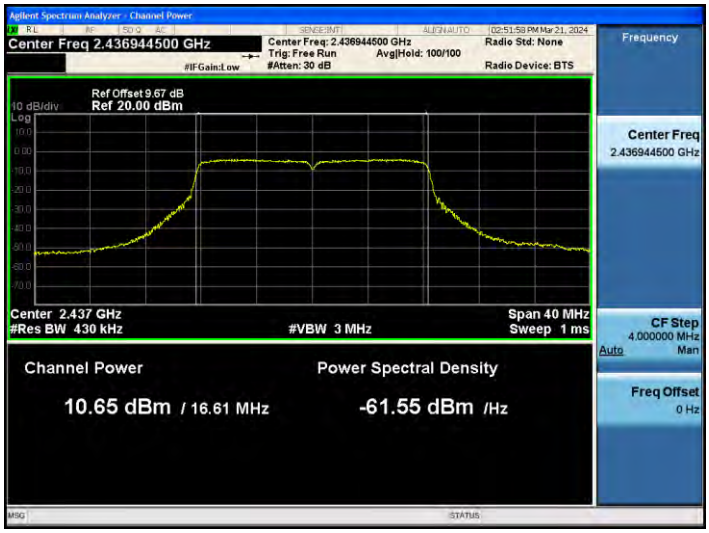
11G_Ant2_2412



11G_Ant1_2437

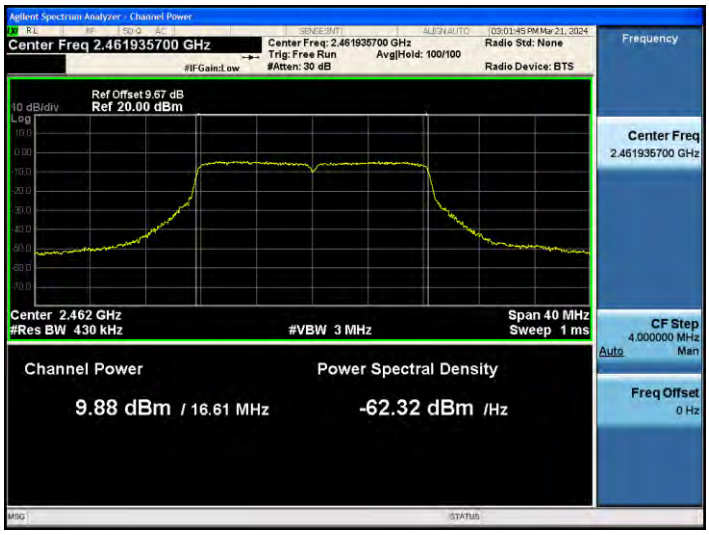


11G_Ant2_2437



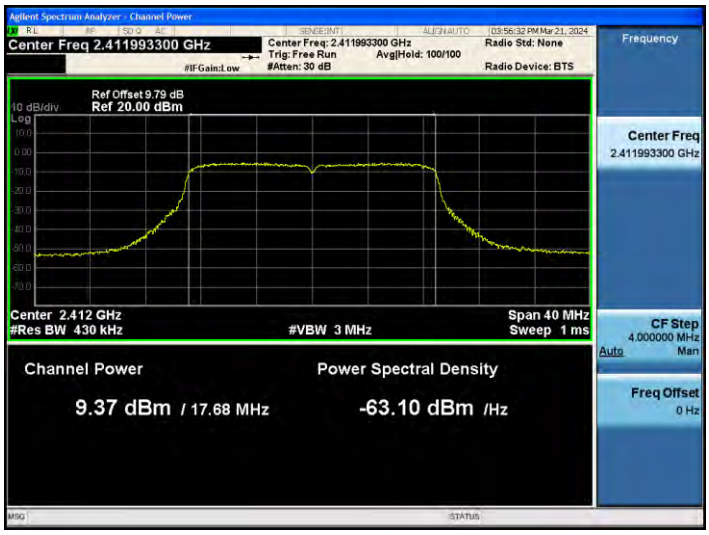
11G_Ant1_2462

11G_Ant2_2462



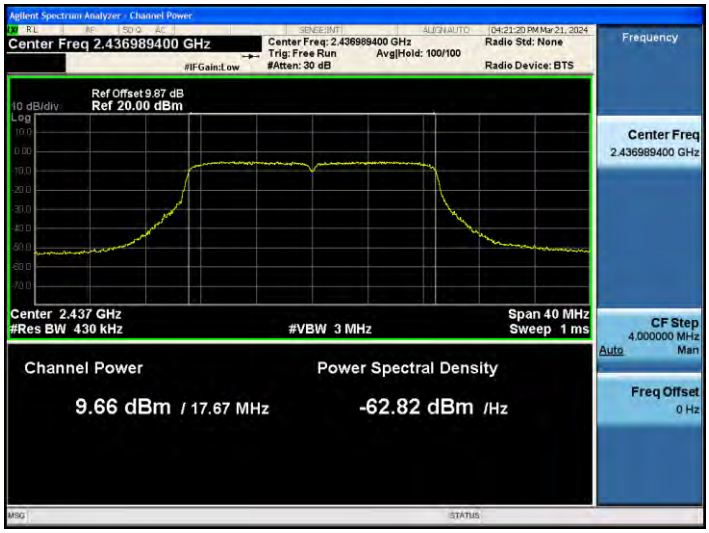
11N20MIMO_Ant1_2412

11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437

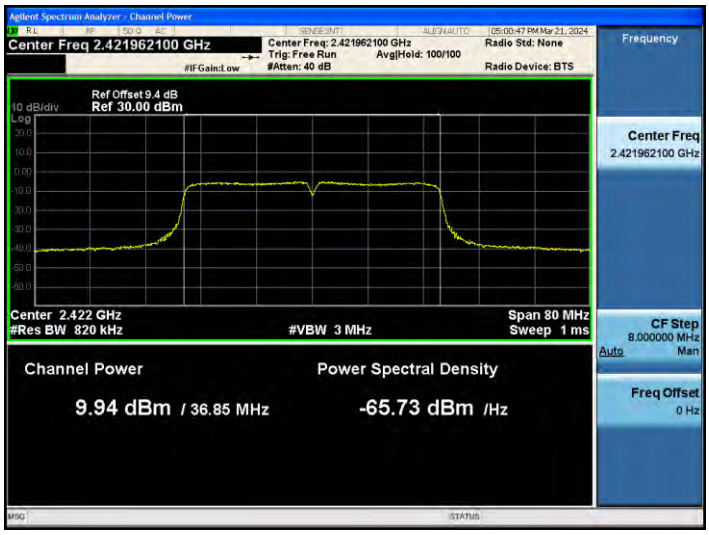
11N20MIMO_Ant2_2437



11N20MIMO_Ant1_2462

11N20MIMO_Ant2_2462

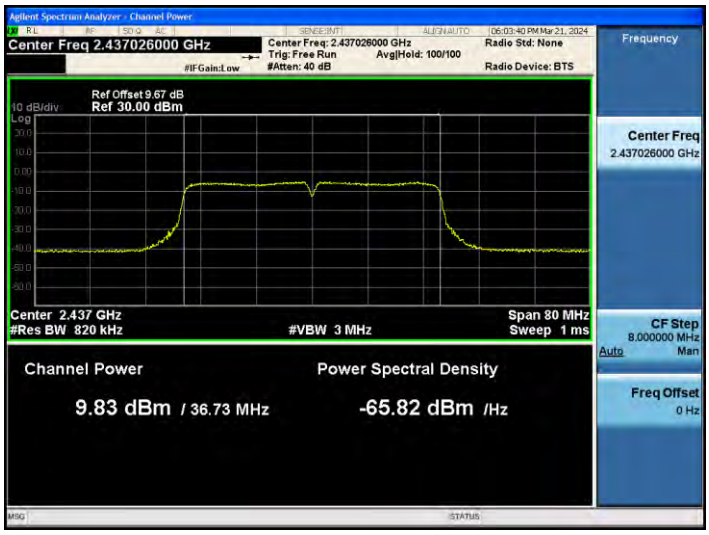
11N40MIMO_Ant1_2422



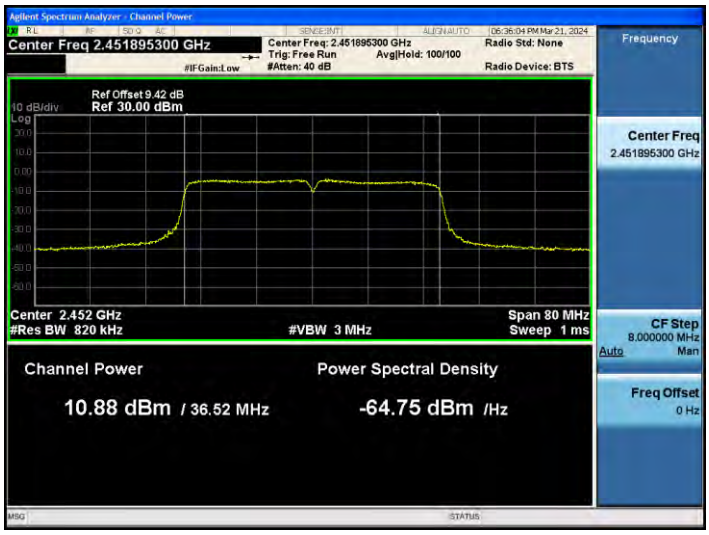
11N40MIMO_Ant2_2422

11N40MIMO_Ant1_2437

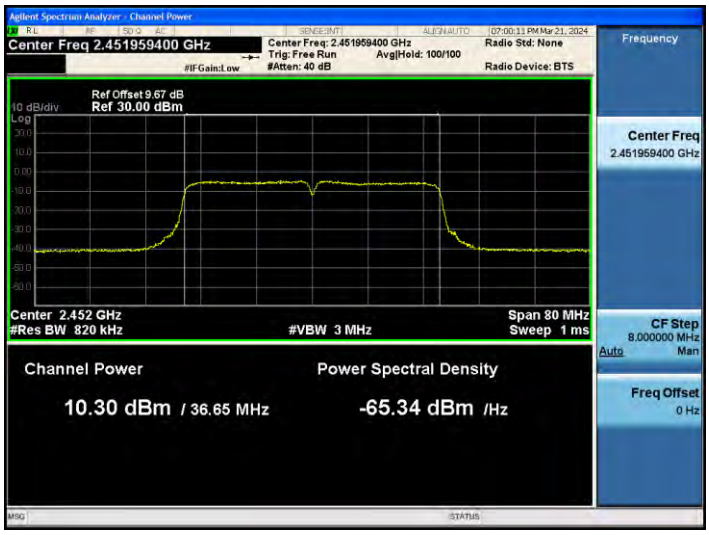
11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Level [dBm/3-100kHz]	10Log(1/X) Factor [dB]	PSD [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-17.81	0.00	-17.81	≤8.00	PASS
	Ant2	2412	-17.55	0.00	-17.55	≤8.00	PASS
	Ant1	2437	-18.04	0.00	-18.04	≤8.00	PASS
	Ant2	2437	-17.50	0.00	-17.5	≤8.00	PASS
	Ant1	2462	-18.75	0.00	-18.75	≤8.00	PASS
	Ant2	2462	-17.97	0.00	-17.97	≤8.00	PASS
11G	Ant1	2412	-23.31	0.00	-23.31	≤8.00	PASS
	Ant2	2412	-24.95	0.00	-24.95	≤8.00	PASS
	Ant1	2437	-23.36	0.00	-23.36	≤8.00	PASS
	Ant2	2437	-24.40	0.00	-24.4	≤8.00	PASS
	Ant1	2462	-24.25	0.00	-24.25	≤8.00	PASS
	Ant2	2462	-26.83	0.00	-26.83	≤8.00	PASS
11N20MIMO	Ant1	2412	-24.82	0.20	-24.62	≤8.00	PASS
	Ant2	2412	-25.05	0.20	-24.85	≤8.00	PASS
	total	2412	---	---	-21.72	≤7.70	PASS
	Ant1	2437	-24.74	0.23	-24.51	≤8.00	PASS
	Ant2	2437	-25.16	0.20	-24.96	≤8.00	PASS
	total	2437	---	---	-21.72	≤7.70	PASS
	Ant1	2462	-25.16	0.23	-24.93	≤8.00	PASS
	Ant2	2462	-25.09	0.20	-24.89	≤8.00	PASS
	total	2462	---	---	-21.90	≤7.70	PASS
11N40MIMO	Ant1	2422	-27.03	0.00	-27.03	≤8.00	PASS
	Ant2	2422	-27.45	0.00	-27.45	≤8.00	PASS
	total	2422	---	---	-24.22	≤7.70	PASS
	Ant1	2437	-27.63	0.00	-27.63	≤8.00	PASS
	Ant2	2437	-27.21	0.00	-27.21	≤8.00	PASS
	total	2437	---	---	-24.40	≤7.70	PASS
	Ant1	2452	-28.05	0.00	-28.05	≤8.00	PASS
	Ant2	2452	-27.75	0.00	-27.75	≤8.00	PASS
	total	2452	---	---	-24.89	≤7.70	PASS

Test Graphs

11B_Ant1_2412

11B_Ant2_2412

11B_Ant1_2437

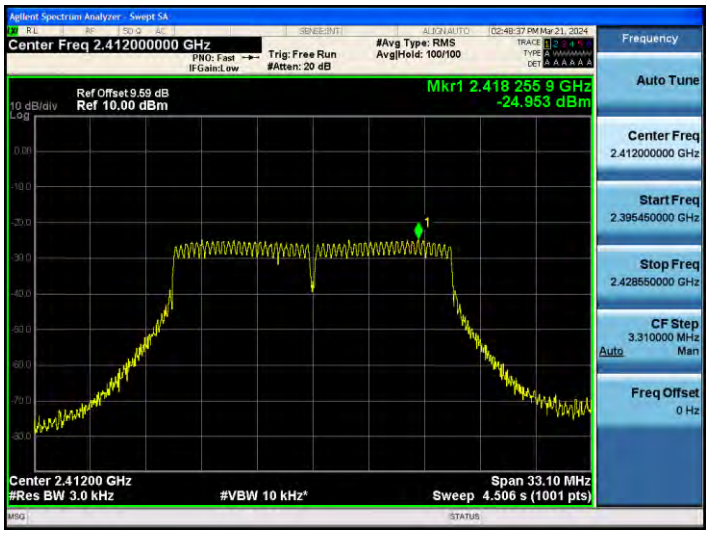
11B_Ant2_2437

11B_Ant1_2462

11B_Ant2_2462

11G_Ant1_2412

11G_Ant2_2412

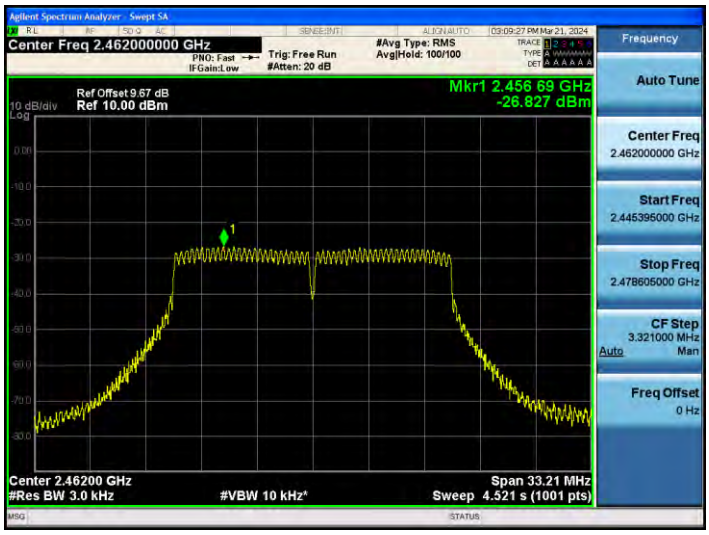


11G_Ant1_2437

11G_Ant2_2437

11G_Ant1_2462

11G_Ant2_2462



11N20MIMO_Ant1_2412

11N20MIMO_Ant2_2412

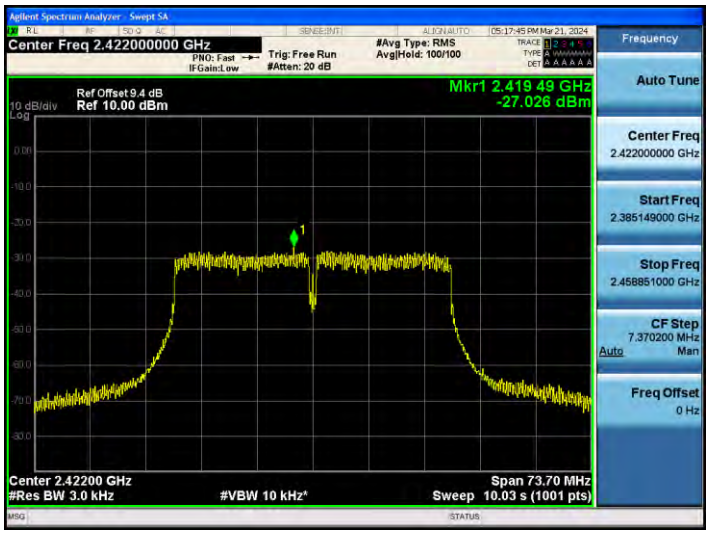
11N20MIMO_Ant1_2437

11N20MIMO_Ant2_2437

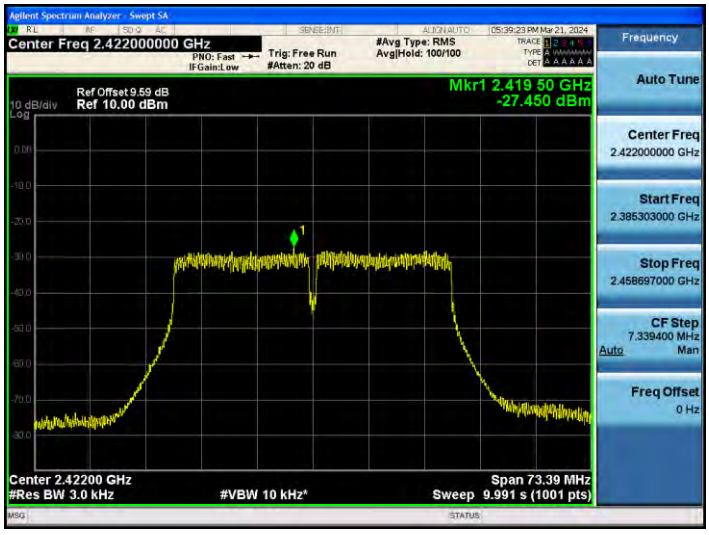
11N20MIMO_Ant1_2462

11N20MIMO_Ant2_2462

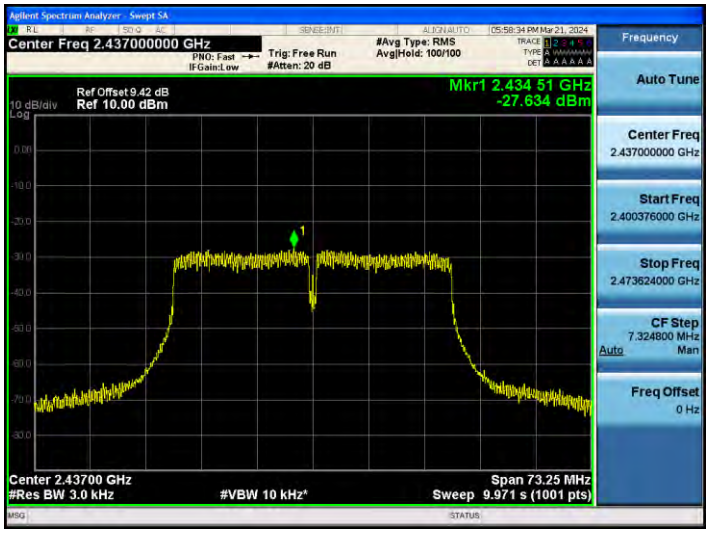
11N40MIMO_Ant1_2422



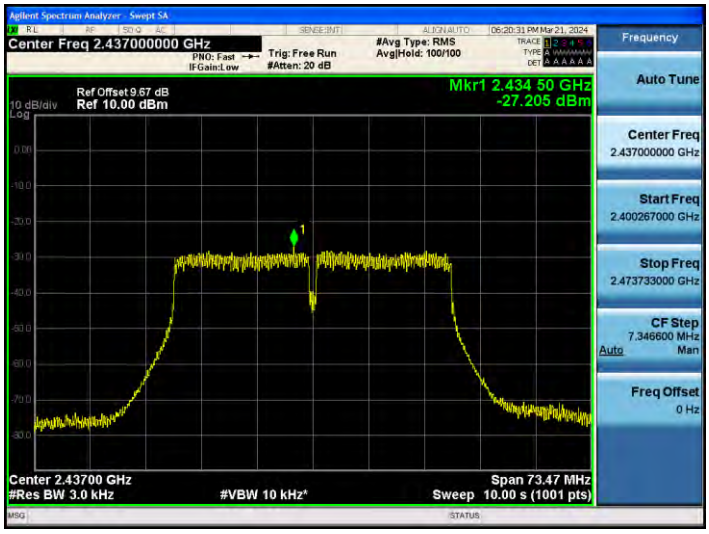
11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437

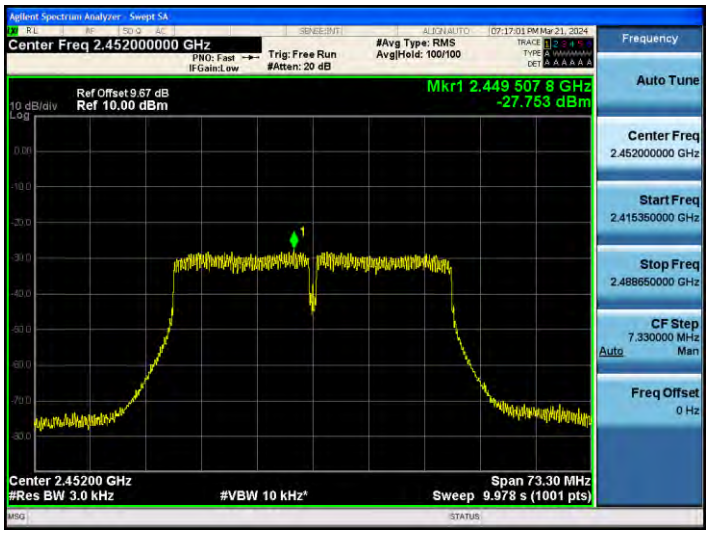


11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452

11N40MIMO_Ant2_2452



Appendix E: Band edge measurements

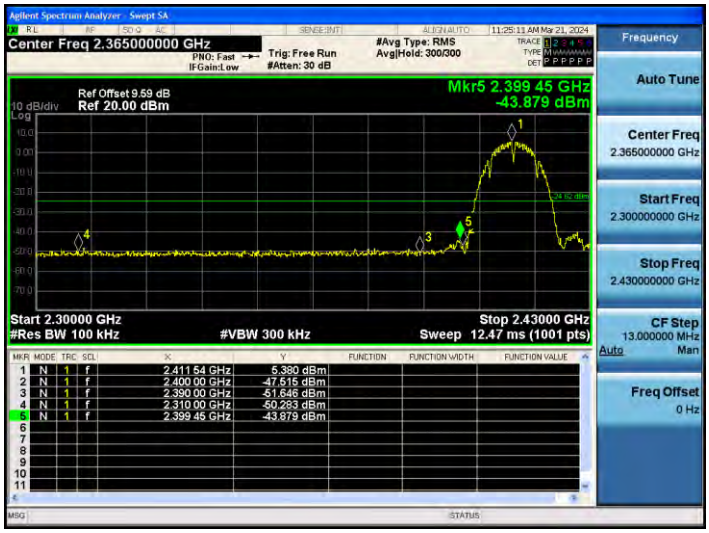
Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.11	-34.25	≤-24.89	PASS
	Ant2	Low	2412	5.38	-43.88	≤-24.62	PASS
	Ant1	High	2462	4.21	-48.09	≤-25.79	PASS
	Ant2	High	2462	5.02	-47.96	≤-24.98	PASS
11G	Ant1	Low	2412	-2.63	-34.1	≤-32.63	PASS
	Ant2	Low	2412	-4.27	-40.91	≤-34.27	PASS
	Ant1	High	2462	-3.36	-46.88	≤-33.36	PASS
	Ant2	High	2462	-1.35	-47.34	≤-31.35	PASS
11N20MIMO	Ant1	Low	2412	-1.06	-35.69	≤-31.06	PASS
	Ant2	Low	2412	-1.88	-40.35	≤-31.88	PASS
	Ant1	High	2462	-1.60	-47.85	≤-31.6	PASS
	Ant2	High	2462	-1.58	-48.06	≤-31.58	PASS
11N40MIMO	Ant1	Low	2422	-3.92	-37.5	≤-33.92	PASS
	Ant2	Low	2422	-4.50	-39.59	≤-34.5	PASS
	Ant1	High	2452	-4.13	-40.31	≤-34.13	PASS
	Ant2	High	2452	-3.91	-43.82	≤-33.91	PASS

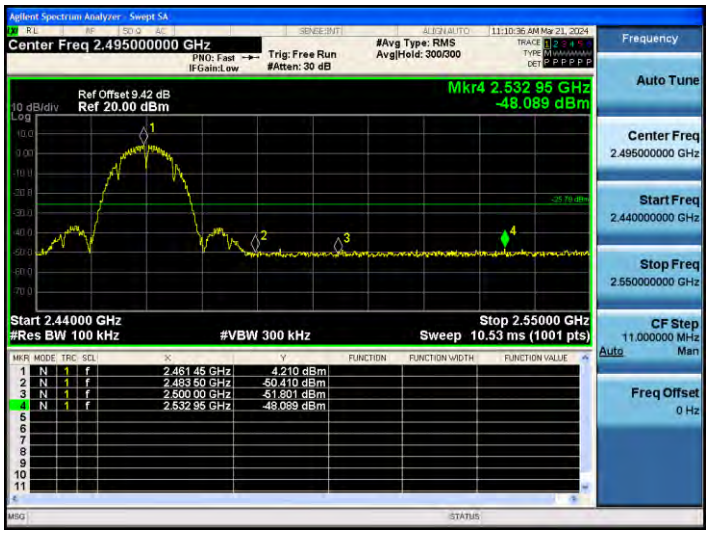
Test Graphs

11B_Ant1_Low_2412

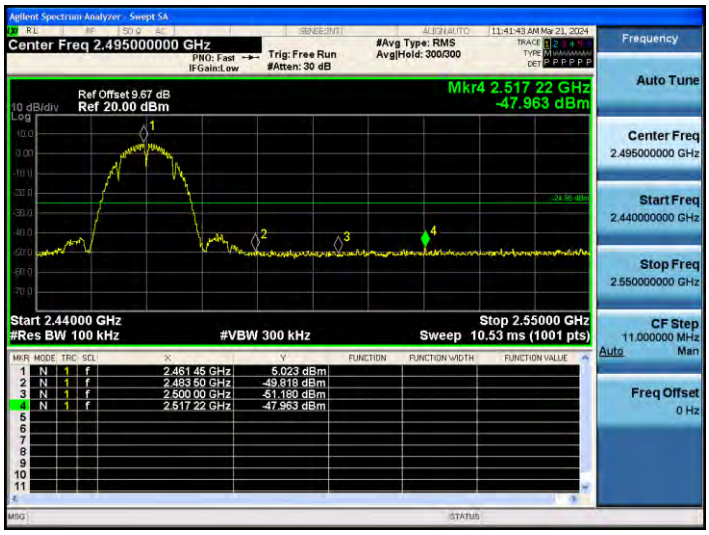
11B_Ant2_Low_2412



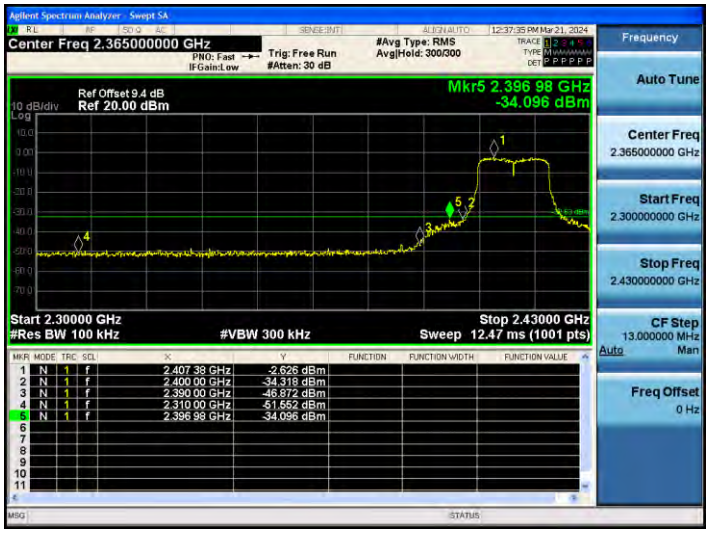
11B_Ant1_High_2462



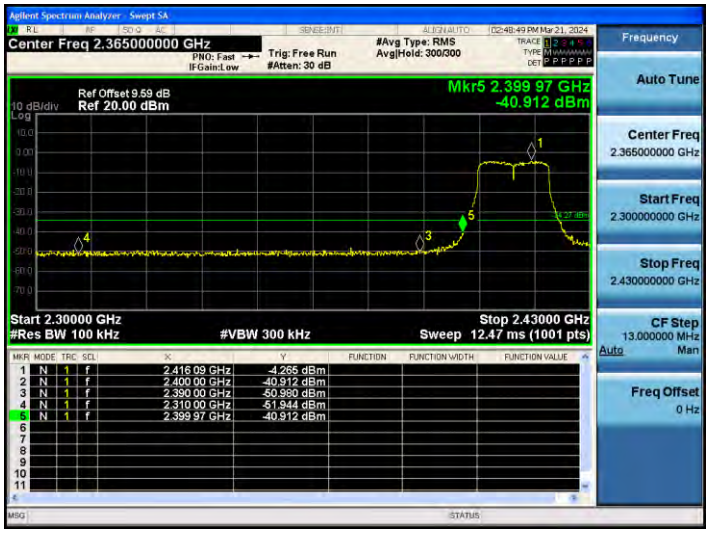
11B_Ant2_High_2462



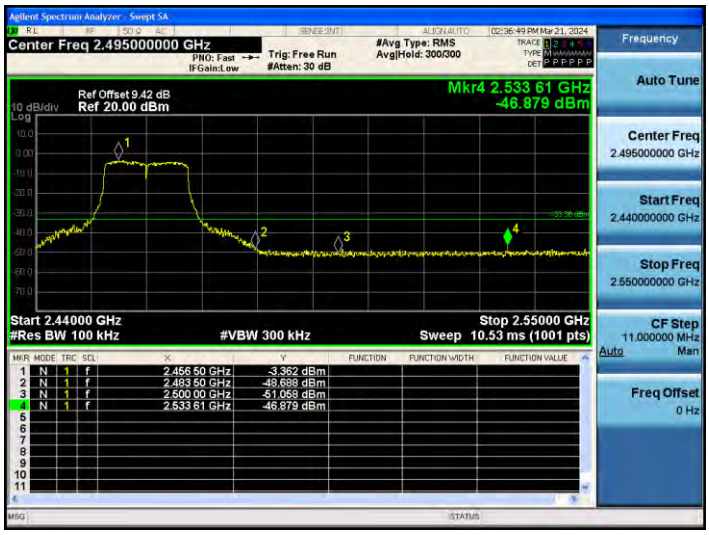
11G_Ant1_Low_2412



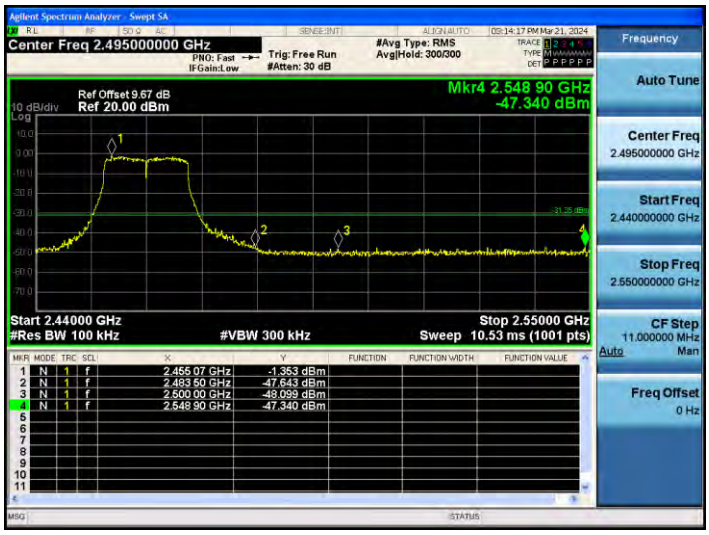
11G_Ant2_Low_2412



11G_Ant1_High_2462

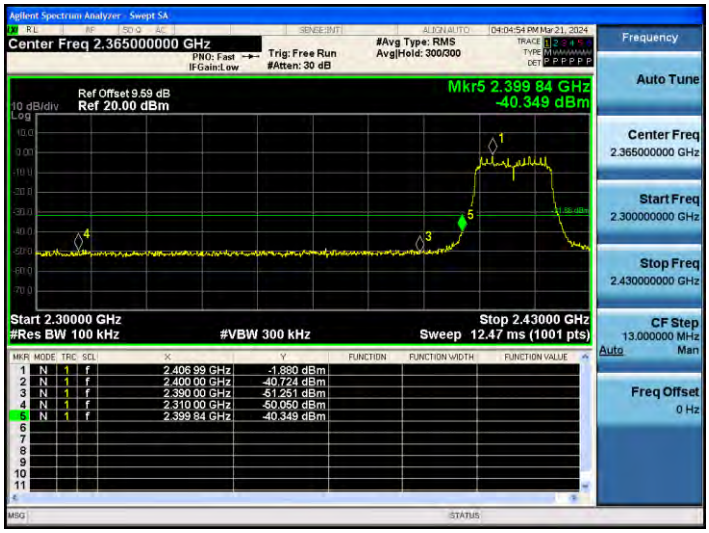


11G_Ant2_High_2462

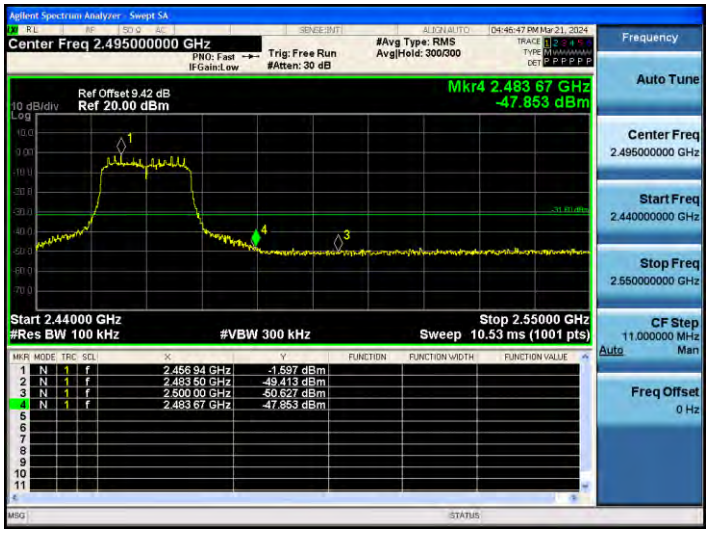


11N20MIMO_Ant1_Low_2412

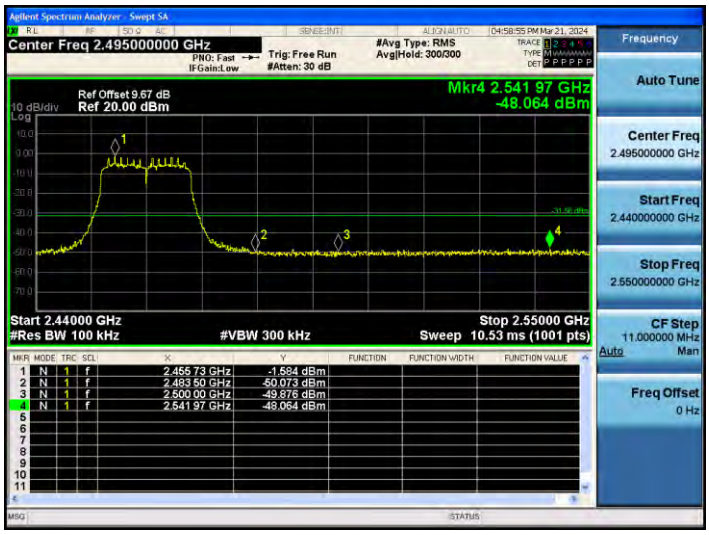
11N20MIMO_Ant2_Low_2412



11N20MIMO_Ant1_High_2462

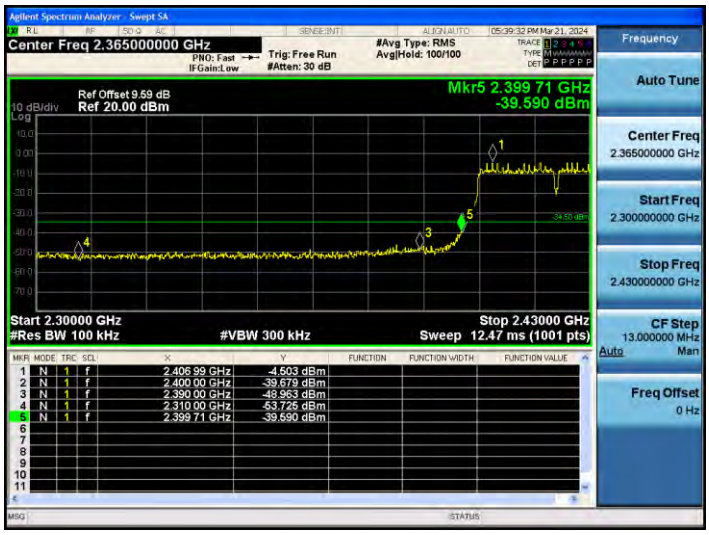


11N20MIMO_Ant2_High_2462

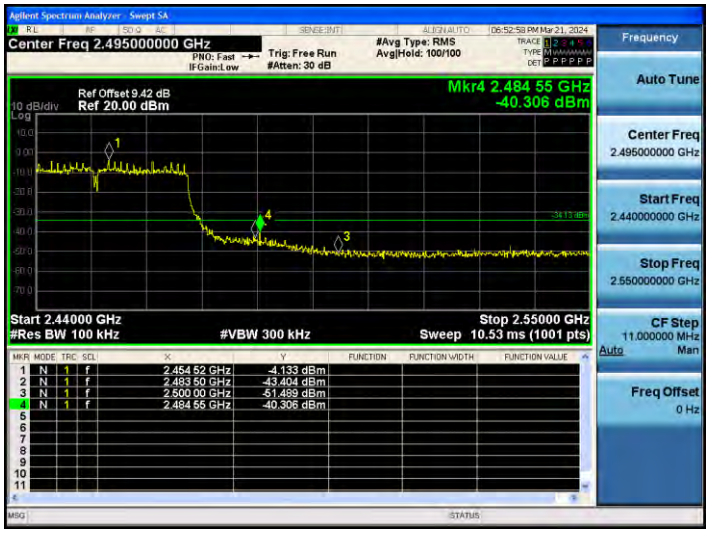


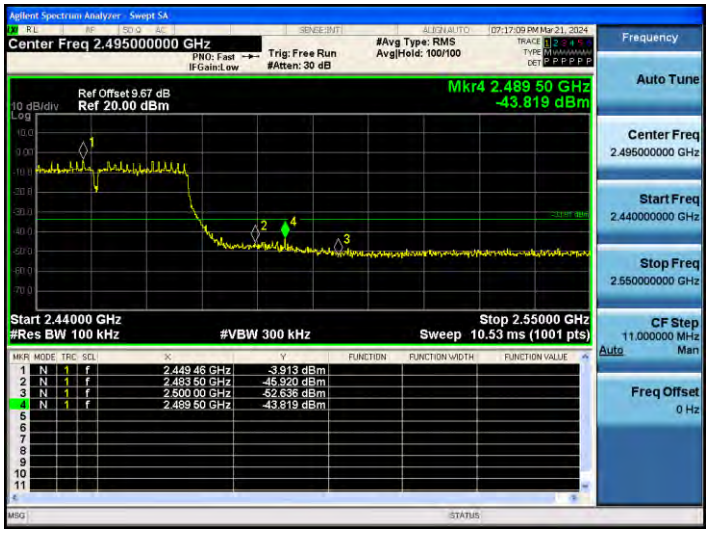
11N40MIMO_Ant1_Low_2422

11N40MIMO_Ant2_Low_2422



11N40MIMO_Ant1_High_2452



11N40MIMO_Ant2_High_2452


Appendix F: Conducted Spurious Emission

Test Result

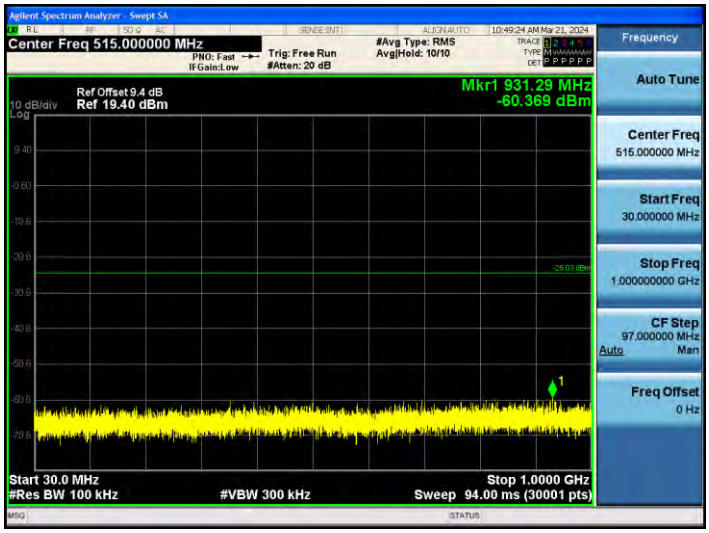
Test Mode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.97	4.97	---	PASS
			30~1000	4.97	-60.37	≤-25.03	PASS
			1000~26500	4.97	-42.71	≤-25.03	PASS
	Ant2	2412	Reference	5.03	5.03	---	PASS
			30~1000	5.03	-59.74	≤-24.97	PASS
			1000~26500	5.03	-42.35	≤-24.97	PASS
	Ant1	2437	Reference	4.65	4.65	---	PASS
			30~1000	4.65	-60.39	≤-25.35	PASS
			1000~26500	4.65	-43.01	≤-25.35	PASS
	Ant2	2437	Reference	5.31	5.31	---	PASS
			30~1000	5.31	-53.97	≤-24.69	PASS
			1000~26500	5.31	-41.81	≤-24.69	PASS
	Ant1	2462	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-59.92	≤-26.13	PASS
			1000~26500	3.87	-42.45	≤-26.13	PASS
	Ant2	2462	Reference	4.89	4.89	---	PASS
			30~1000	4.89	-59.81	≤-25.11	PASS
			1000~26500	4.89	-42.05	≤-25.11	PASS
11G	Ant1	2412	Reference	-2.80	-2.80	---	PASS
			30~1000	-2.80	-56.75	≤-32.8	PASS
			1000~26500	-2.80	-42.19	≤-32.8	PASS
	Ant2	2412	Reference	-4.81	-4.81	---	PASS
			30~1000	-4.81	-60.73	≤-34.81	PASS
			1000~26500	-4.81	-42.22	≤-34.81	PASS
	Ant1	2437	Reference	-3.24	-3.24	---	PASS
			30~1000	-3.24	-59.21	≤-33.24	PASS
			1000~26500	-3.24	-42.24	≤-33.24	PASS
	Ant2	2437	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-59.01	≤-34.34	PASS
			1000~26500	-4.34	-41.91	≤-34.34	PASS
	Ant1	2462	Reference	-3.96	-3.96	---	PASS
			30~1000	-3.96	-61.08	≤-33.96	PASS
			1000~26500	-3.96	-42.63	≤-33.96	PASS
	Ant2	2462	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-60.53	≤-32.11	PASS

			1000~26500	-2.11	-42.1	≤-32.11	PASS
11N20MIMO	Ant1	2412	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-60.69	≤-32.94	PASS
			1000~26500	-2.94	-41.59	≤-32.94	PASS
	Ant2	2412	Reference	-3.72	-3.72	---	PASS
			30~1000	-3.72	-60.93	≤-33.72	PASS
			1000~26500	-3.72	-42.59	≤-33.72	PASS
	Ant1	2437	Reference	-2.48	-2.48	---	PASS
			30~1000	-2.48	-60.94	≤-32.48	PASS
			1000~26500	-2.48	-42.19	≤-32.48	PASS
	Ant2	2437	Reference	-4.88	-4.88	---	PASS
			30~1000	-4.88	-60.51	≤-34.88	PASS
			1000~26500	-4.88	-42.04	≤-34.88	PASS
	Ant1	2462	Reference	-2.84	-2.84	---	PASS
			30~1000	-2.84	-59.71	≤-32.84	PASS
			1000~26500	-2.84	-42.28	≤-32.84	PASS
	Ant2	2462	Reference	-3.09	-3.09	---	PASS
			30~1000	-3.09	-60.94	≤-33.09	PASS
			1000~26500	-3.09	-40.79	≤-33.09	PASS
11N40MIMO	Ant1	2422	Reference	-4.49	-4.49	---	PASS
			30~1000	-4.49	-59.86	≤-34.49	PASS
			1000~26500	-4.49	-40.7	≤-34.49	PASS
	Ant2	2422	Reference	-5.16	-5.16	---	PASS
			30~1000	-5.16	-58.64	≤-35.16	PASS
			1000~26500	-5.16	-40.25	≤-35.16	PASS
	Ant1	2437	Reference	-5.20	-5.20	---	PASS
			30~1000	-5.20	-59.43	≤-35.2	PASS
			1000~26500	-5.20	-41.37	≤-35.2	PASS
	Ant2	2437	Reference	-4.37	-4.37	---	PASS
			30~1000	-4.37	-60.95	≤-34.37	PASS
			1000~26500	-4.37	-41.8	≤-34.37	PASS
	Ant1	2452	Reference	-4.20	-4.20	---	PASS
			30~1000	-4.20	-59.67	≤-34.2	PASS
			1000~26500	-4.20	-42.09	≤-34.2	PASS
	Ant2	2452	Reference	-4.69	-4.69	---	PASS
			30~1000	-4.69	-59.13	≤-34.69	PASS
			1000~26500	-4.69	-41.19	≤-34.69	PASS

Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000



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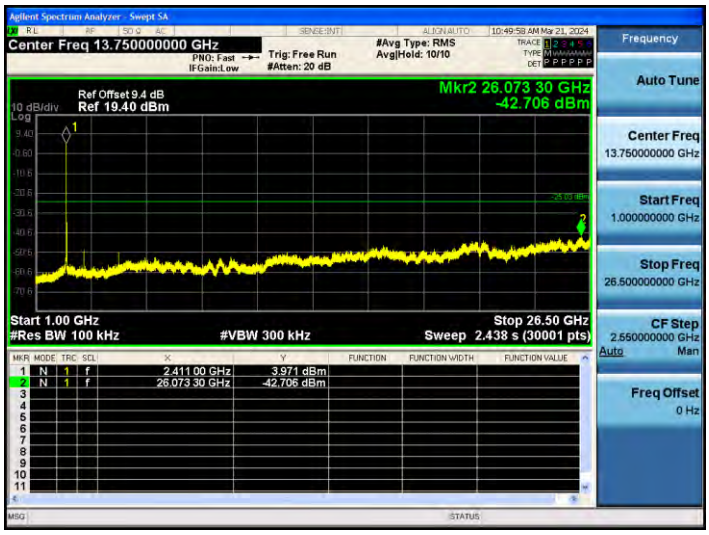

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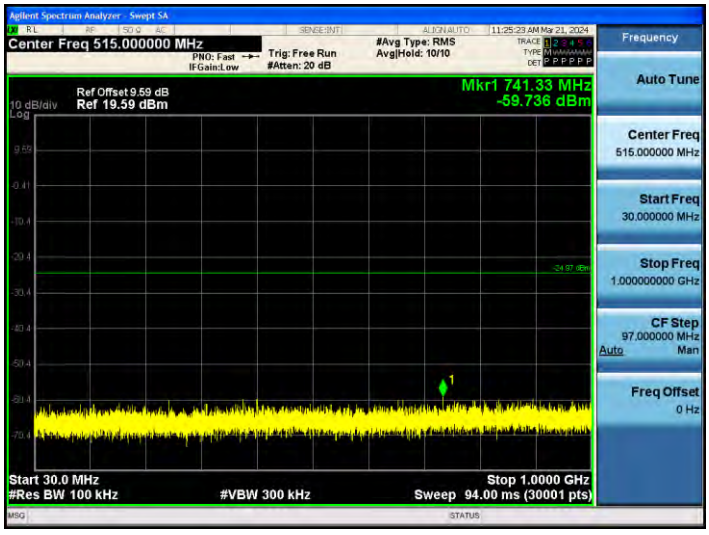
11B_Ant2_2412_30~1000