

TEST REPORT

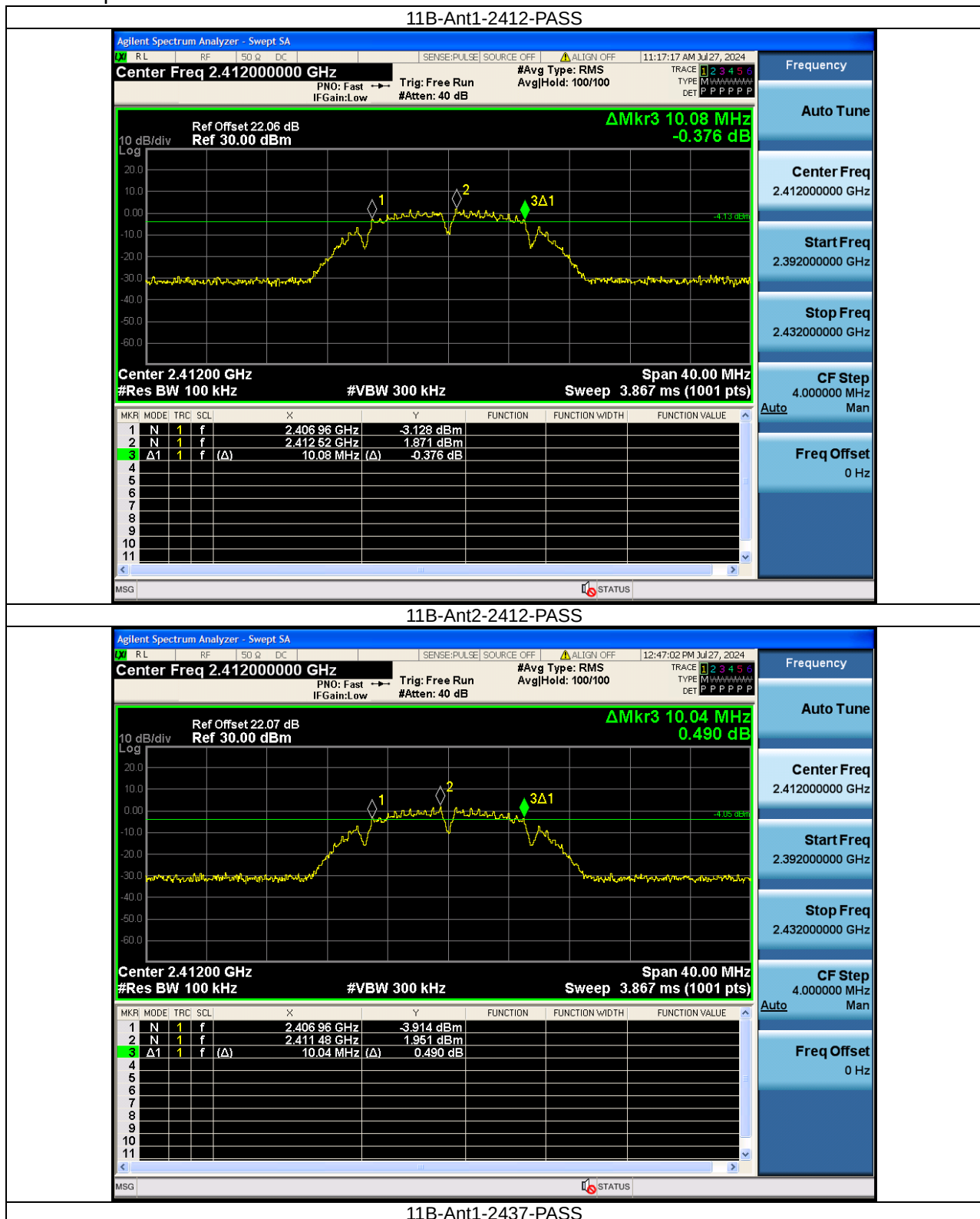
Appendix A: DTS Bandwidth

Test Results of Minimum DTS Bandwidth:

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
11B	Ant2	2412	10.040	2406.960	2417.000	0.5	PASS
11B	Ant1	2437	10.080	2431.960	2442.040	0.5	PASS
11B	Ant2	2437	10.040	2431.960	2442.000	0.5	PASS
11B	Ant1	2462	10.080	2456.960	2467.040	0.5	PASS
11B	Ant2	2462	10.040	2457.000	2467.040	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
11G	Ant2	2412	16.480	2403.760	2420.240	0.5	PASS
11G	Ant1	2437	16.520	2428.720	2445.240	0.5	PASS
11G	Ant2	2437	16.360	2428.800	2445.160	0.5	PASS
11G	Ant1	2462	16.400	2453.800	2470.200	0.5	PASS
11G	Ant2	2462	16.360	2453.800	2470.160	0.5	PASS
11N20MIMO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
11N20MIMO	Ant2	2412	17.560	2403.200	2420.760	0.5	PASS
11N20MIMO	Ant1	2437	17.560	2428.200	2445.760	0.5	PASS
11N20MIMO	Ant2	2437	17.600	2428.200	2445.800	0.5	PASS
11N20MIMO	Ant1	2462	17.600	2453.200	2470.800	0.5	PASS
11N20MIMO	Ant2	2462	17.600	2453.200	2470.800	0.5	PASS
11N40MIMO	Ant1	2422	35.440	2404.080	2439.520	0.5	PASS
11N40MIMO	Ant2	2422	35.840	2404.080	2439.920	0.5	PASS
11N40MIMO	Ant1	2437	36.000	2419.080	2455.080	0.5	PASS
11N40MIMO	Ant2	2437	36.320	2418.840	2455.160	0.5	PASS
11N40MIMO	Ant1	2452	35.840	2434.080	2469.920	0.5	PASS
11N40MIMO	Ant2	2452	35.280	2434.240	2469.520	0.5	PASS

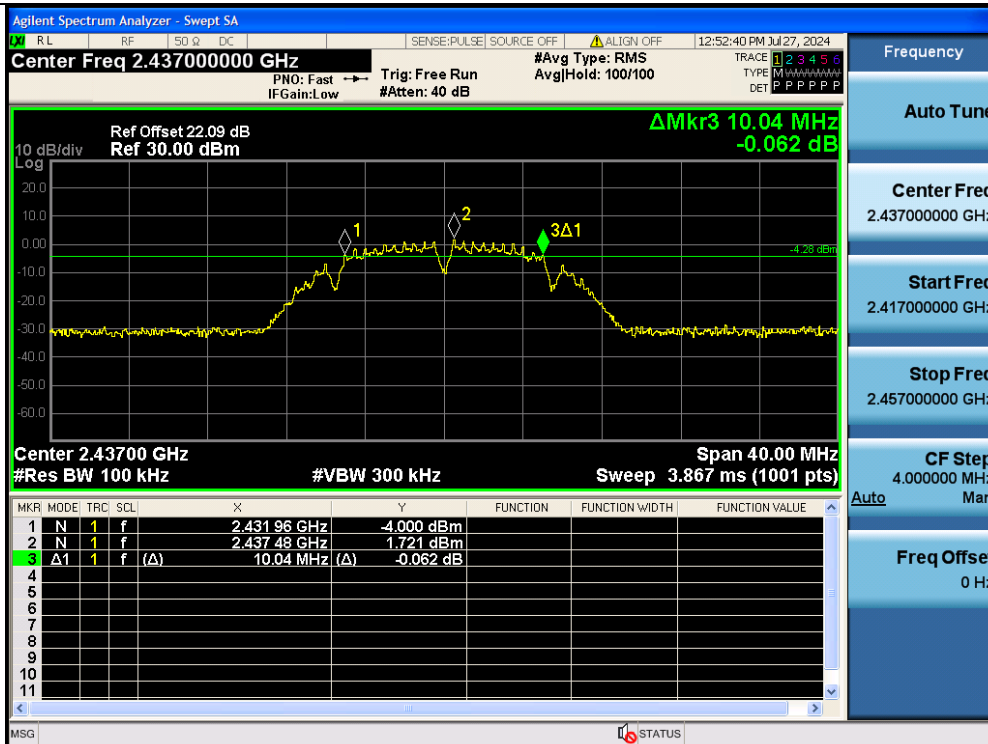
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The test plots as follows:





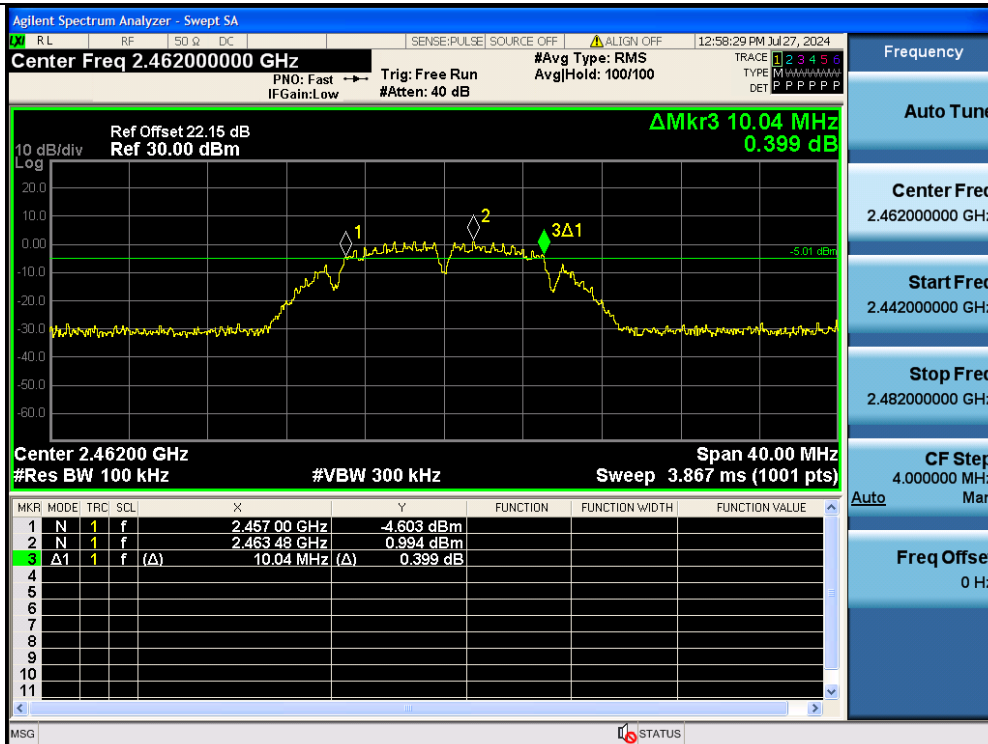
11B-Ant2-2437-PASS



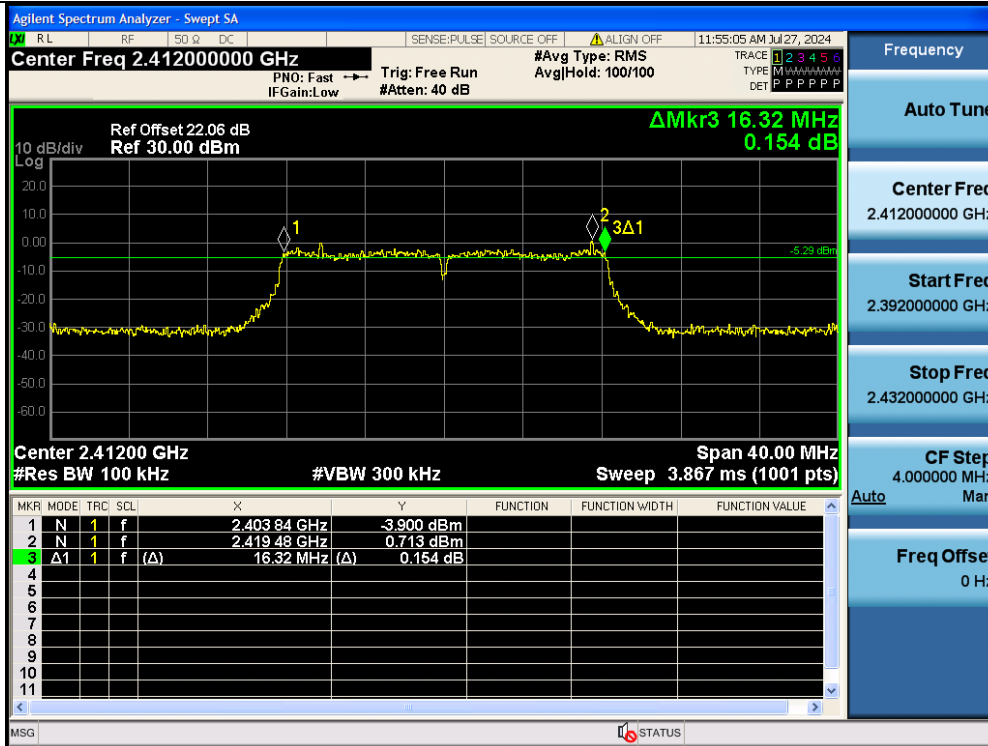
11B-Ant1-2462-PASS



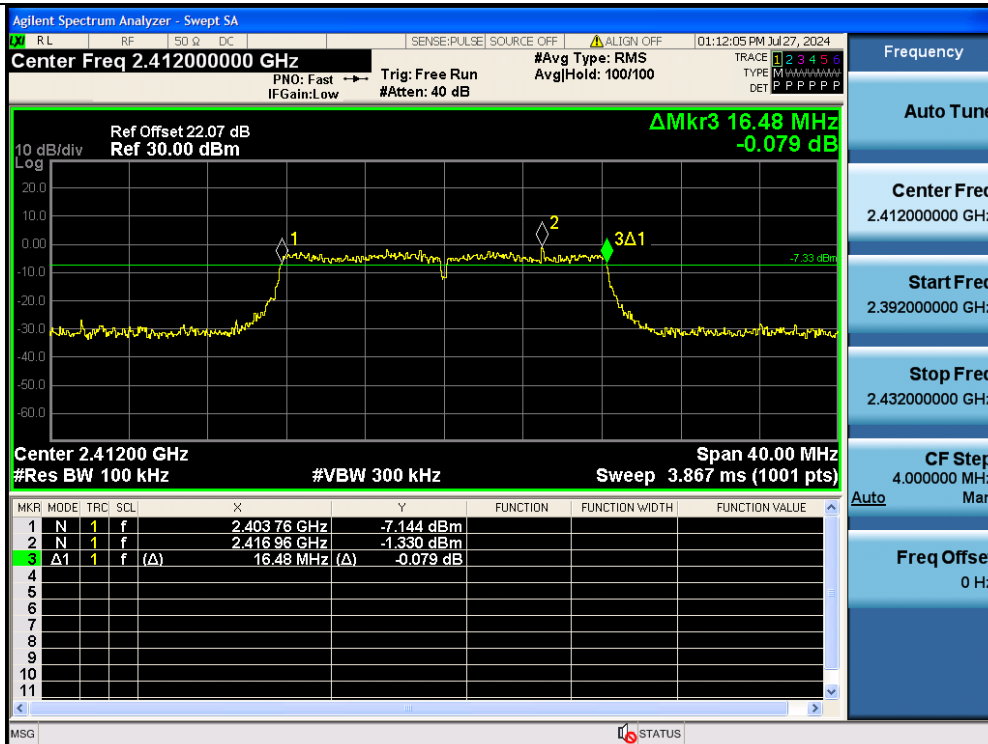
11B-Ant2-2462-PASS



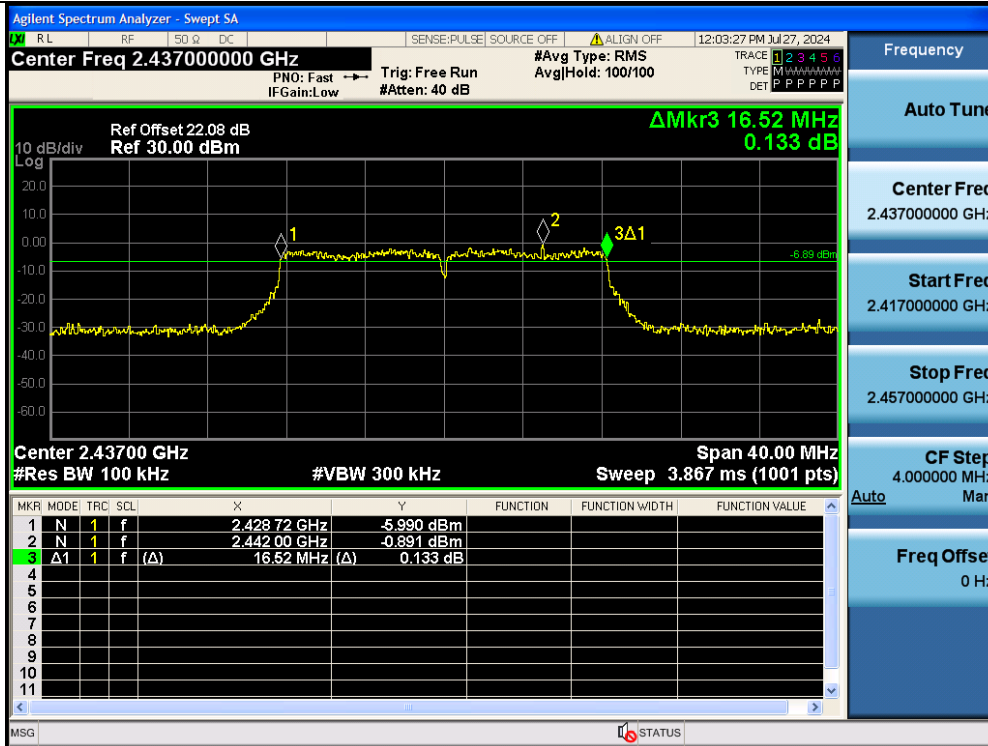
11G-Ant1-2412-PASS



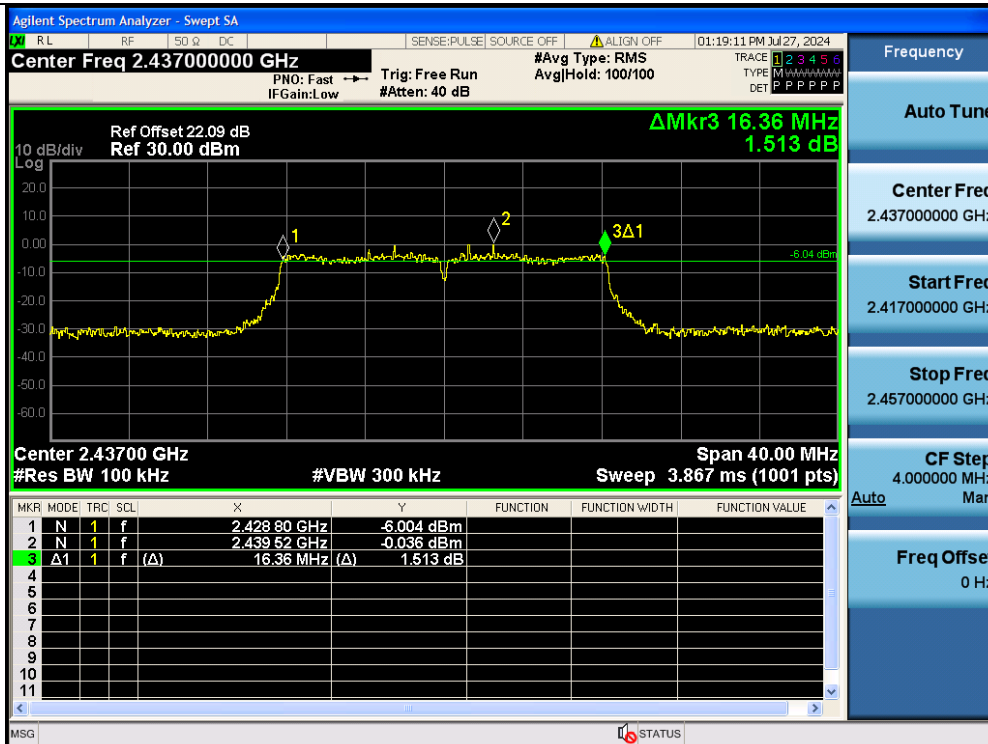
11G-Ant2-2412-PASS



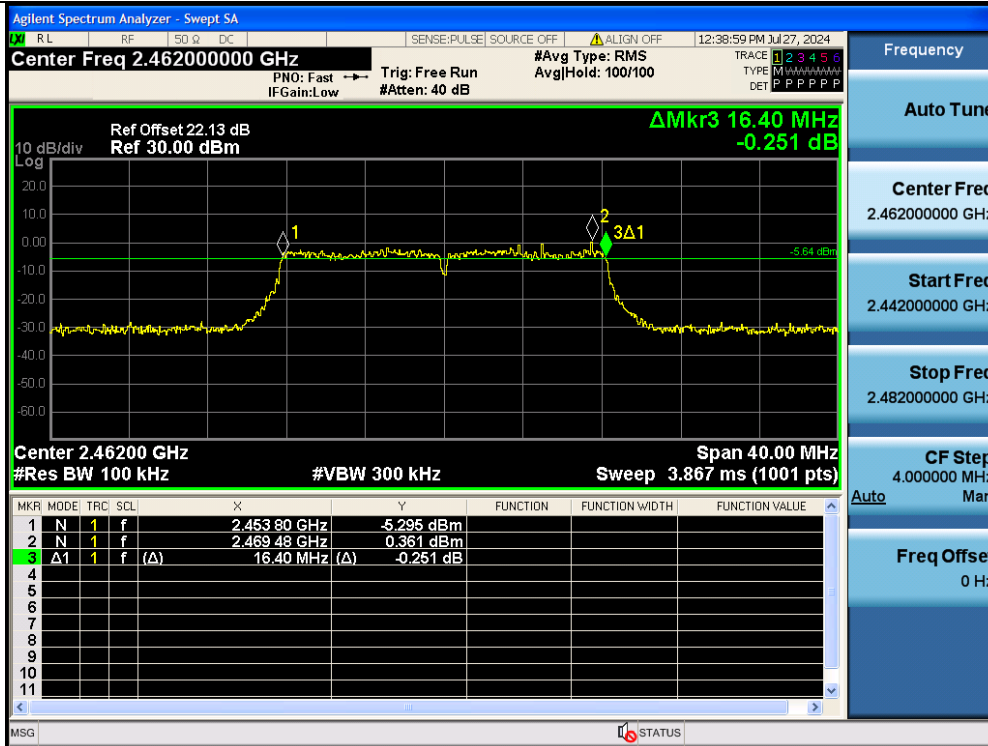
11G-Ant1-2437-PASS



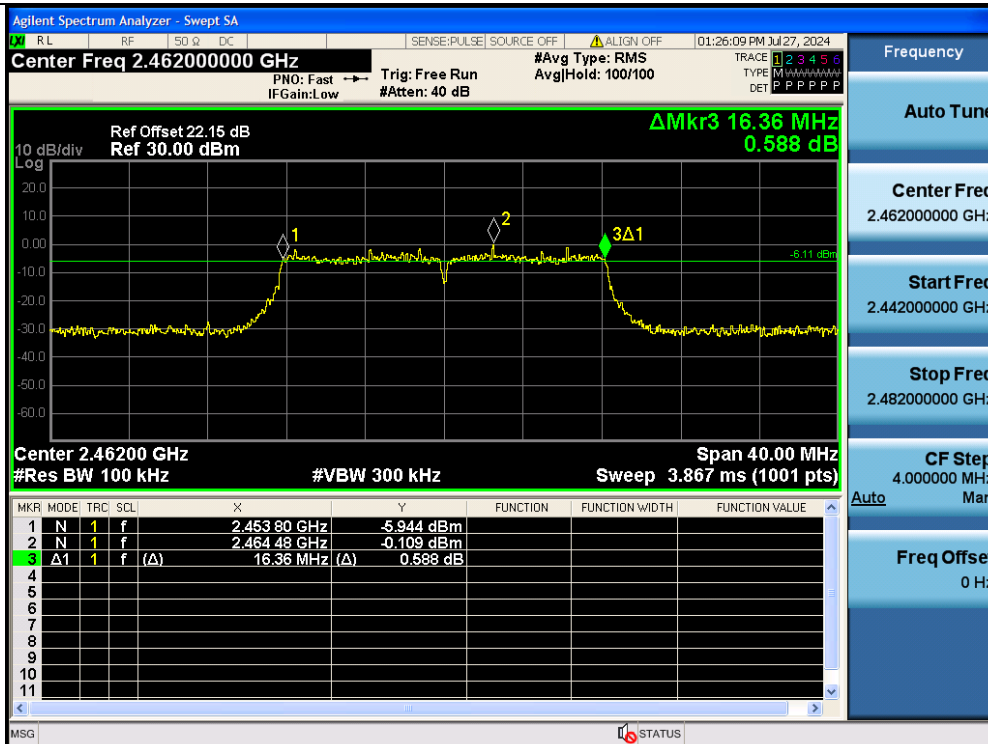
11G-Ant2-2437-PASS



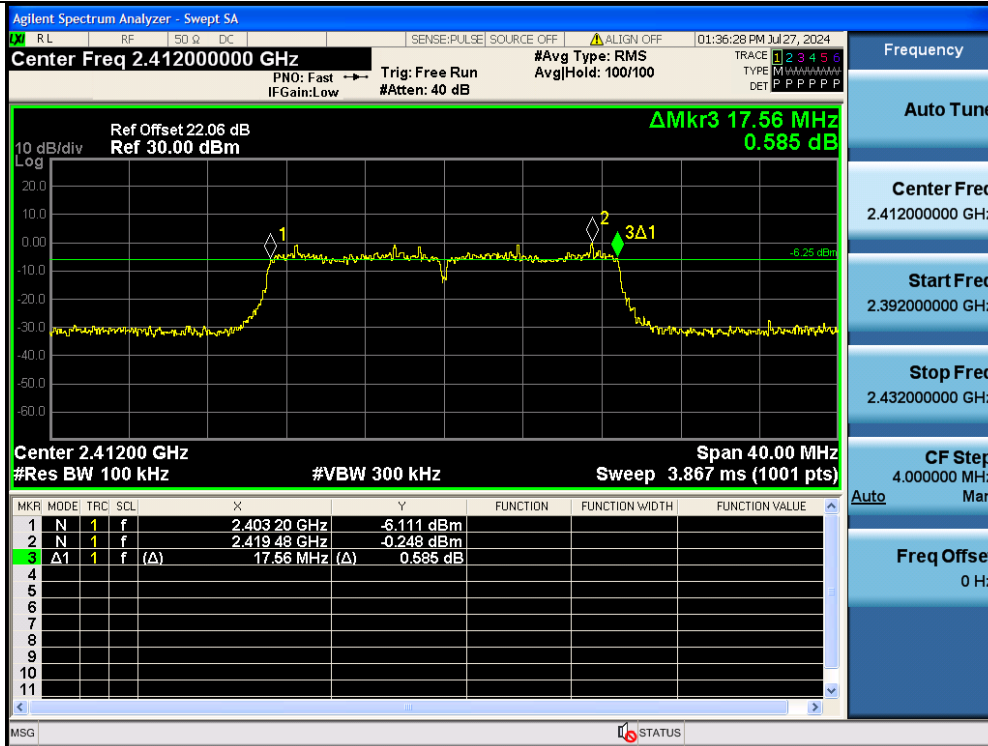
11G-Ant1-2462-PASS



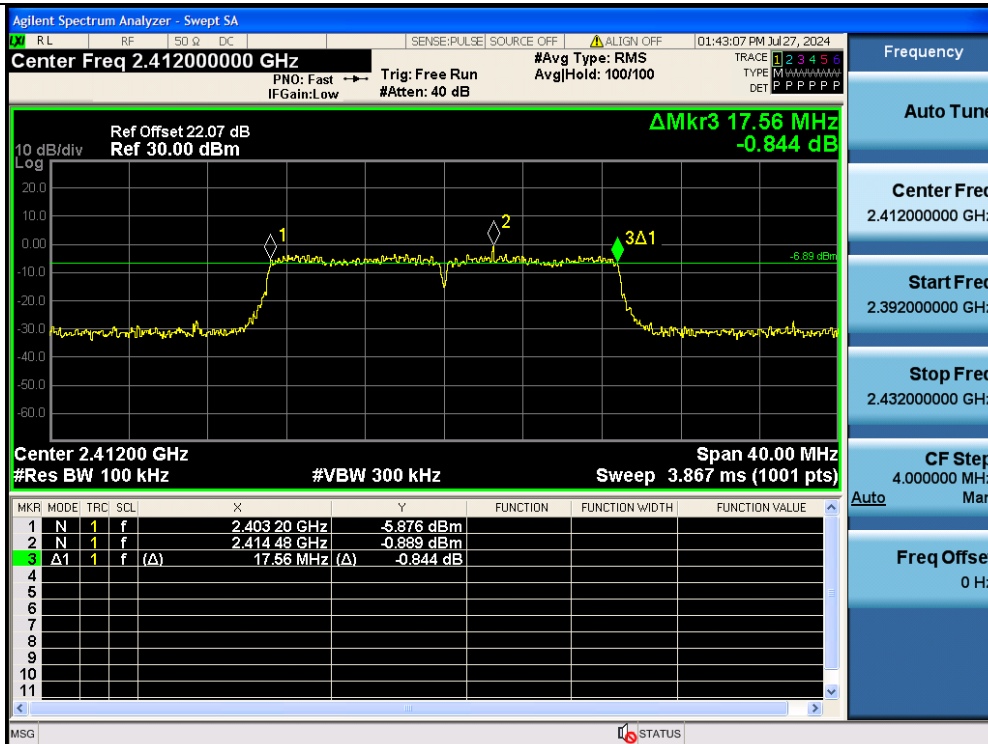
11G-Ant2-2462-PASS



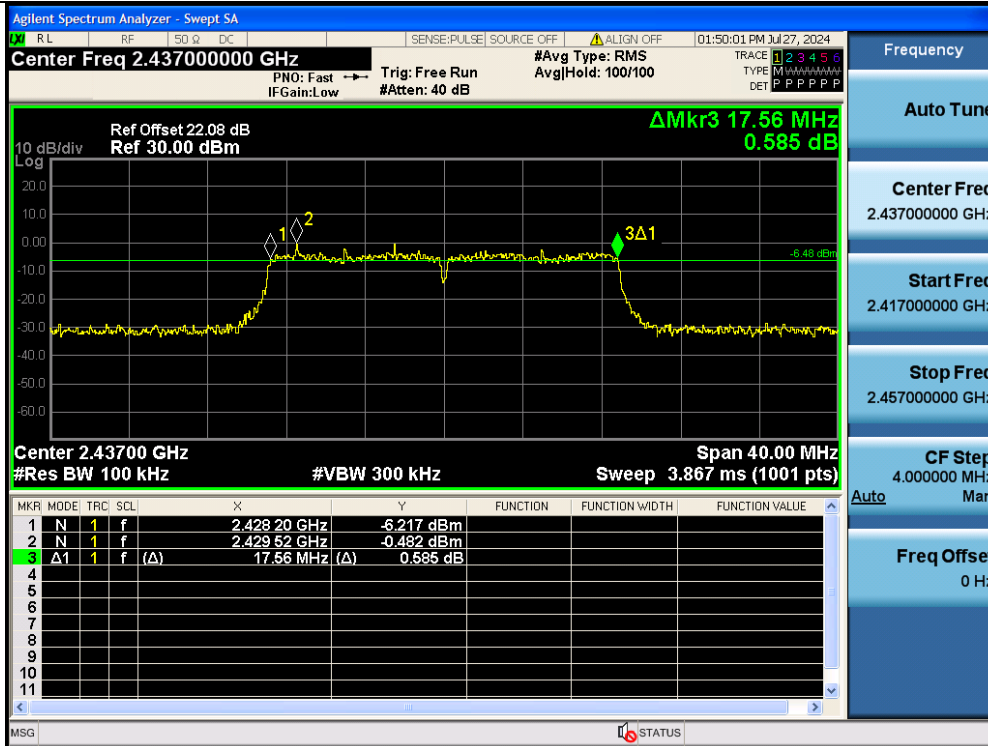
11N20MIMO-Ant1-2412-PASS



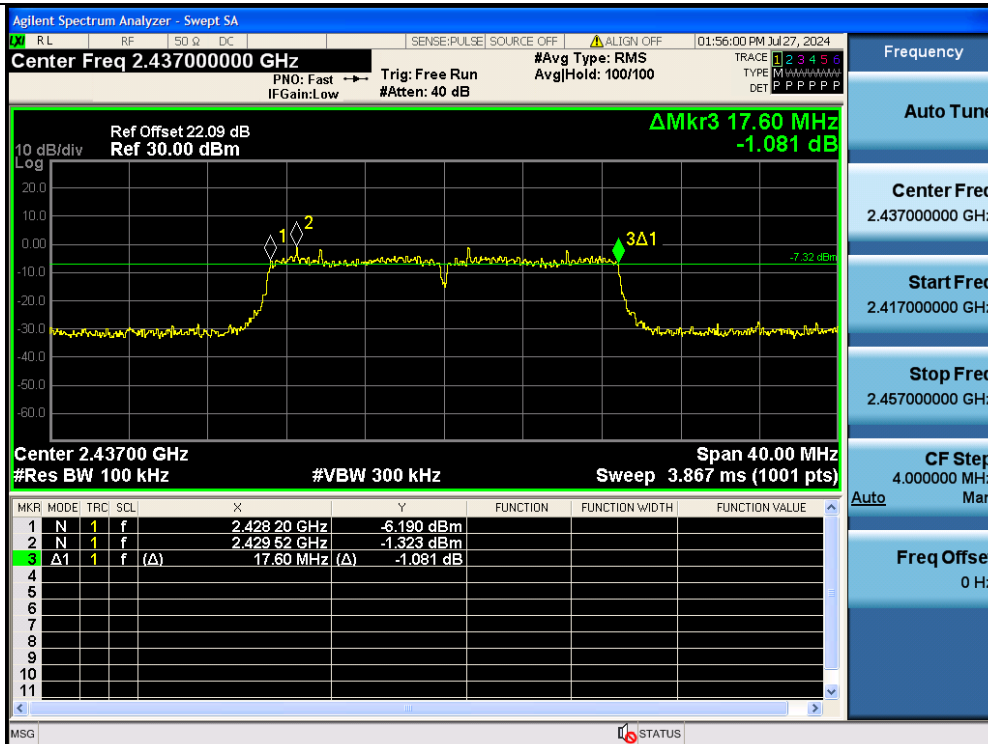
11N20MIMO-Ant2-2412-PASS



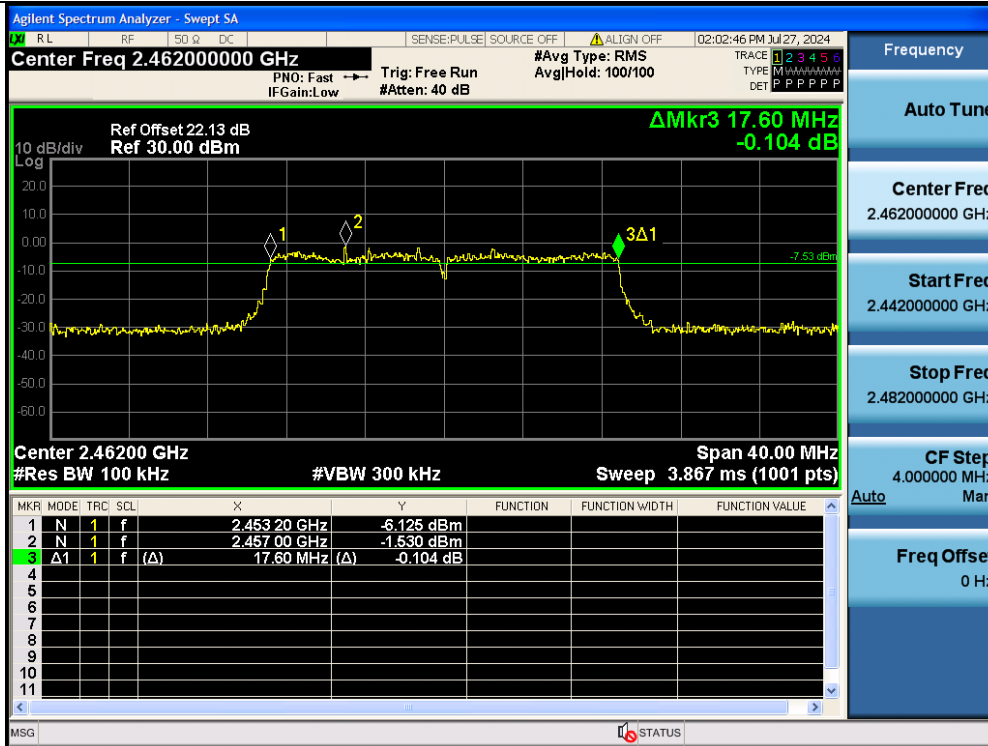
11N20MIMO-Ant1-2437-PASS



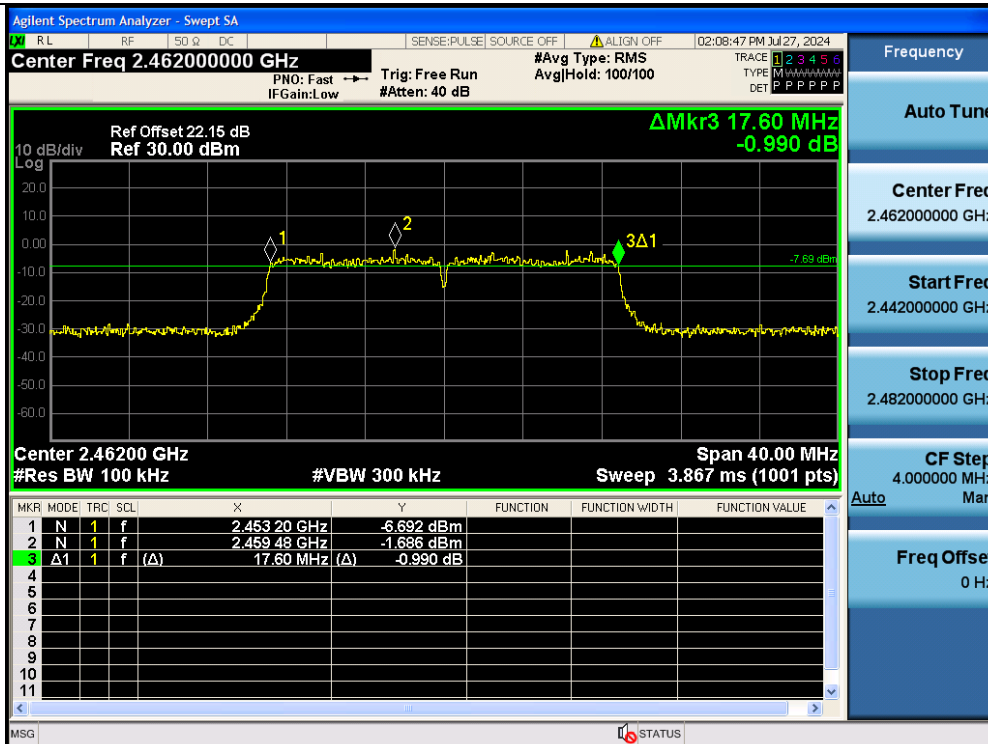
11N20MIMO-Ant2-2437-PASS



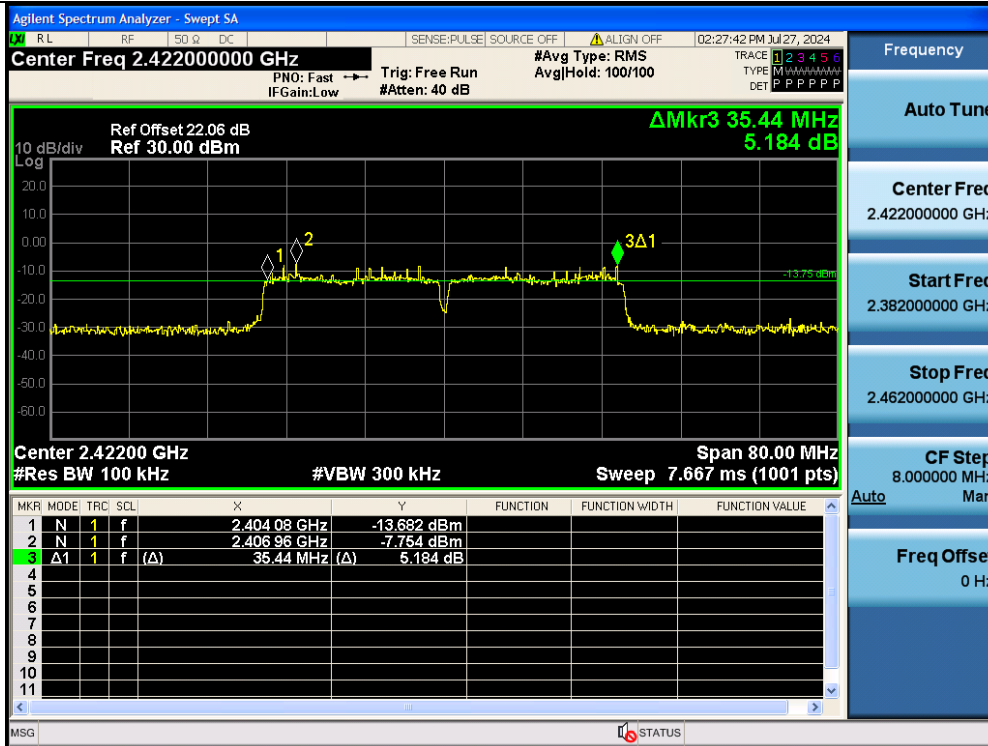
11N20MIMO-Ant1-2462-PASS



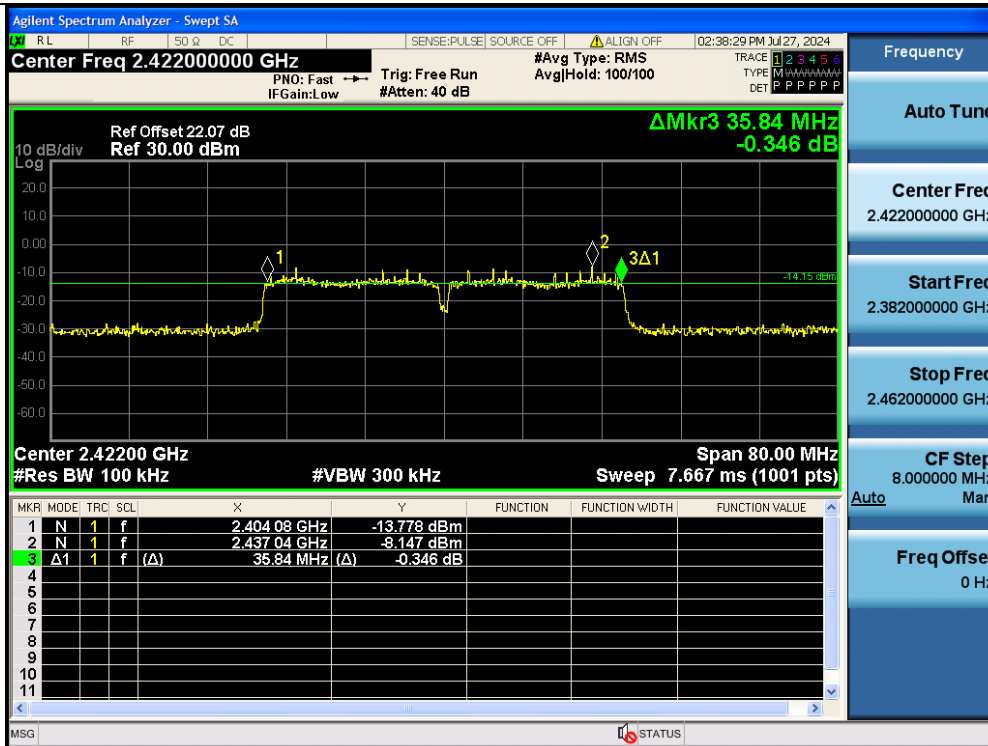
11N20MIMO-Ant2-2462-PASS



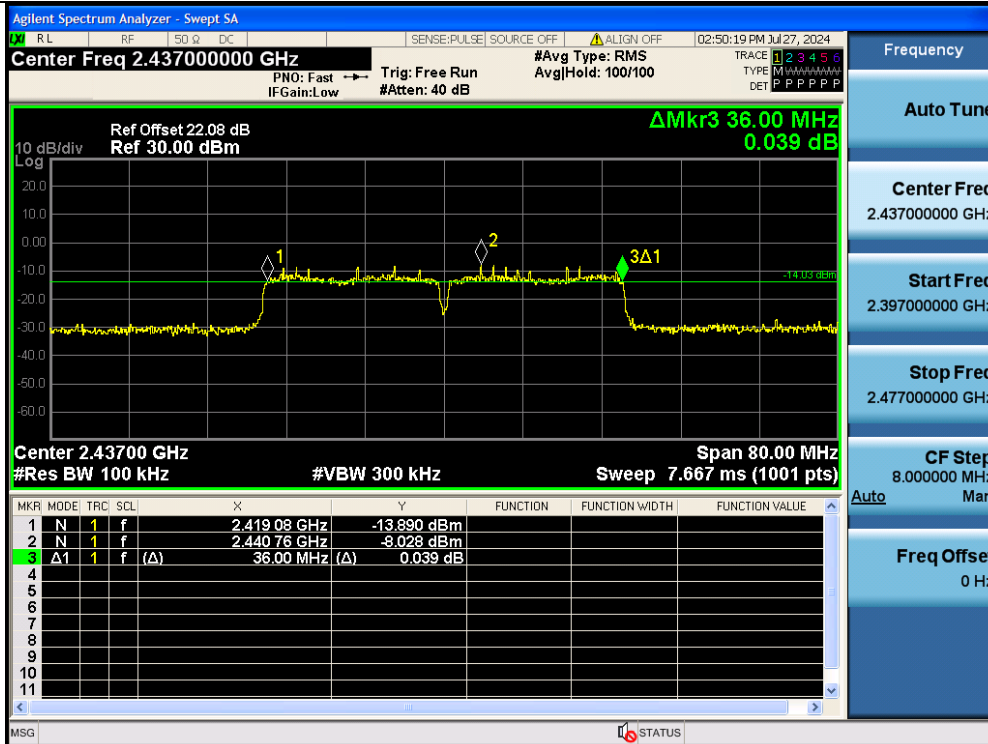
11N40MIMO-Ant1-2422-PASS



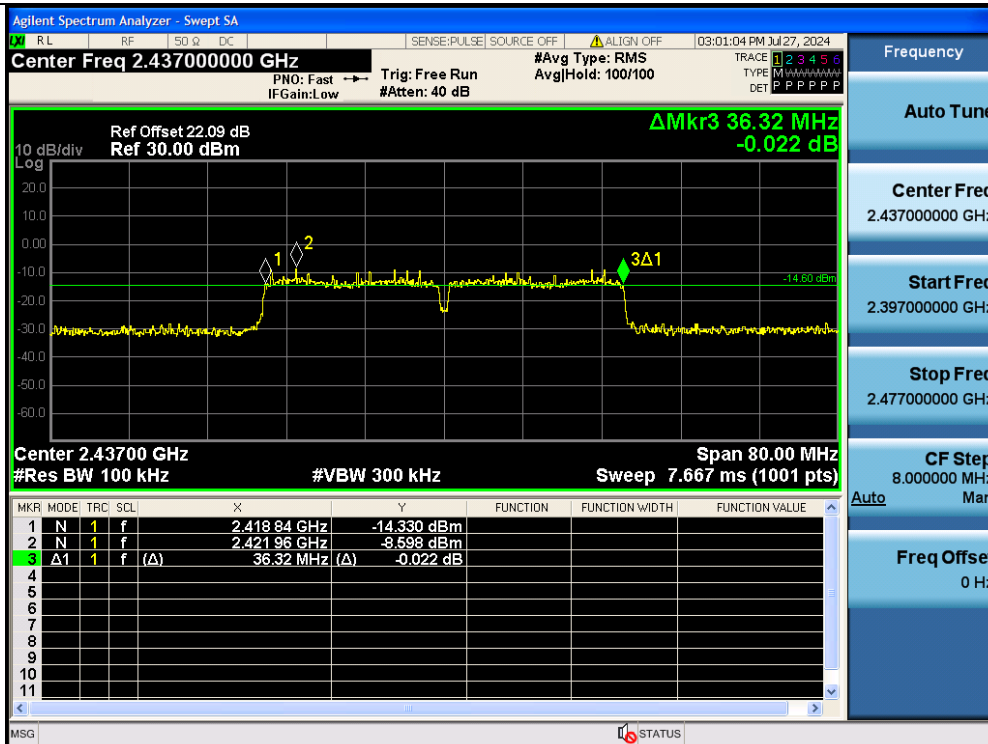
11N40MIMO-Ant2-2422-PASS



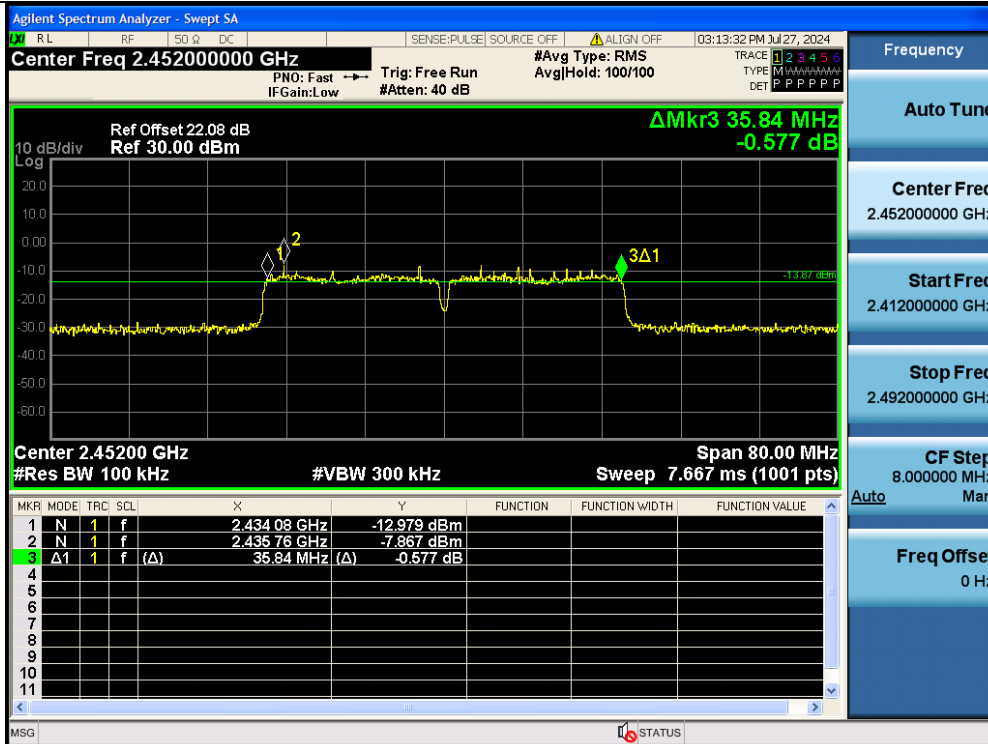
11N40MIMO-Ant1-2437-PASS



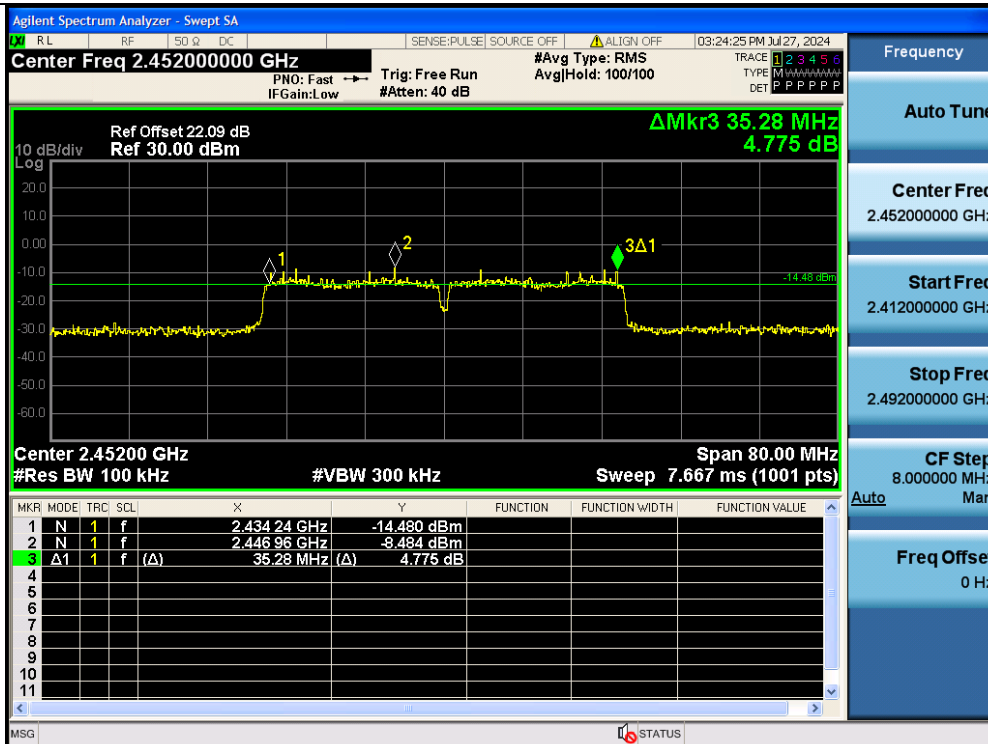
11N40MIMO-Ant2-2437-PASS



11N40MIMO-Ant1-2452-PASS



11N40MIMO-Ant2-2452-PASS



Appendix B: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	14.60	≤30.00	20.50	≤36.00	PASS
11B	Ant2	2412	14.01	≤30.00	19.91	≤36.00	PASS
11B	Ant1	2437	14.81	≤30.00	20.71	≤36.00	PASS
11B	Ant2	2437	13.88	≤30.00	19.78	≤36.00	PASS
11B	Ant1	2462	14.83	≤30.00	20.73	≤36.00	PASS
11B	Ant2	2462	13.84	≤30.00	19.74	≤36.00	PASS
11G	Ant1	2412	21.98	≤30.00	27.88	≤36.00	PASS
11G	Ant2	2412	21.94	≤30.00	27.84	≤36.00	PASS
11G	Ant1	2437	22.21	≤30.00	28.11	≤36.00	PASS
11G	Ant2	2437	21.76	≤30.00	27.66	≤36.00	PASS
11G	Ant1	2462	22.49	≤30.00	28.39	≤36.00	PASS
11G	Ant2	2462	21.69	≤30.00	27.59	≤36.00	PASS
11N20MIMO	Ant1	2412	21.81	≤27.09	27.71	≤36.00	PASS
11N20MIMO	Ant2	2412	21.04	≤27.09	26.94	≤36.00	PASS
11N20MIMO	total	2412	24.45	≤27.09	33.36	≤36.00	PASS
11N20MIMO	Ant1	2437	21.99	≤27.09	27.89	≤36.00	PASS
11N20MIMO	Ant2	2437	21.01	≤27.09	26.91	≤36.00	PASS
11N20MIMO	total	2437	24.54	≤27.09	33.45	≤36.00	PASS
11N20MIMO	Ant1	2462	22.15	≤27.09	28.05	≤36.00	PASS
11N20MIMO	Ant2	2462	20.92	≤27.09	26.82	≤36.00	PASS
11N20MIMO	total	2462	24.59	≤27.09	33.50	≤36.00	PASS
11N40MIMO	Ant1	2422	16.84	≤27.09	22.74	≤36.00	PASS
11N40MIMO	Ant2	2422	16.58	≤27.09	22.48	≤36.00	PASS
11N40MIMO	total	2422	19.72	≤27.09	28.63	≤36.00	PASS
11N40MIMO	Ant1	2437	17.32	≤27.09	23.22	≤36.00	PASS
11N40MIMO	Ant2	2437	16.17	≤27.09	22.07	≤36.00	PASS
11N40MIMO	total	2437	19.79	≤27.09	28.70	≤36.00	PASS
11N40MIMO	Ant1	2452	17.32	≤27.09	23.22	≤36.00	PASS
11N40MIMO	Ant2	2452	16.16	≤27.09	22.06	≤36.00	PASS
11N40MIMO	total	2452	19.79	≤27.09	28.70	≤36.00	PASS

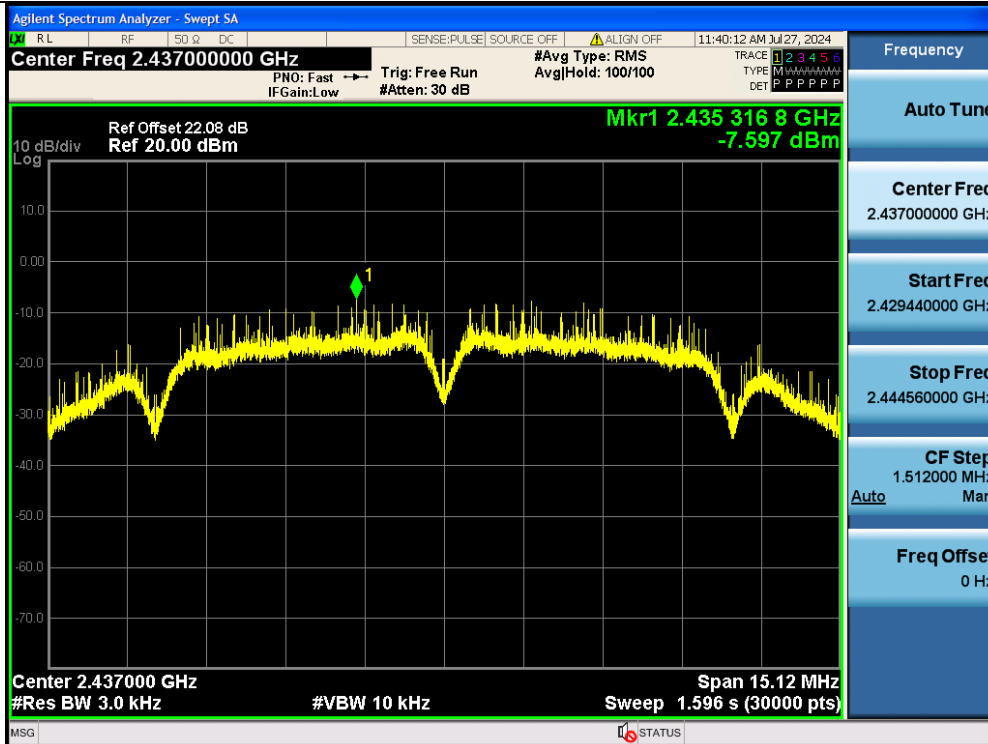
Appendix C: Maximum power spectral density

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.13	≤8.00	PASS
11B	Ant2	2412	-7.62	≤8.00	PASS
11B	Ant1	2437	-7.60	≤8.00	PASS
11B	Ant2	2437	-8.93	≤8.00	PASS
11B	Ant1	2462	-7.13	≤8.00	PASS
11B	Ant2	2462	-7.96	≤8.00	PASS
11G	Ant1	2412	-14.18	≤8.00	PASS
11G	Ant2	2412	-14.41	≤8.00	PASS
11G	Ant1	2437	-13.52	≤8.00	PASS
11G	Ant2	2437	-13.84	≤8.00	PASS
11G	Ant1	2462	-13.88	≤8.00	PASS
11G	Ant2	2462	-15.07	≤8.00	PASS
11N20MIMO	Ant1	2412	-14.37	≤5.09	PASS
11N20MIMO	Ant2	2412	-15.30	≤5.09	PASS
11N20MIMO	total	2412	-11.80	≤5.09	PASS
11N20MIMO	Ant1	2437	-14.21	≤5.09	PASS
11N20MIMO	Ant2	2437	-14.61	≤5.09	PASS
11N20MIMO	total	2437	-11.40	≤5.09	PASS
11N20MIMO	Ant1	2462	-14.26	≤5.09	PASS
11N20MIMO	Ant2	2462	-15.74	≤5.09	PASS
11N20MIMO	total	2462	-11.93	≤5.09	PASS
11N40MIMO	Ant1	2422	-21.52	≤5.09	PASS
11N40MIMO	Ant2	2422	-22.84	≤5.09	PASS
11N40MIMO	total	2422	-11.03	≤5.09	PASS
11N40MIMO	Ant1	2437	-21.53	≤5.09	PASS
11N40MIMO	Ant2	2437	-22.13	≤5.09	PASS
11N40MIMO	total	2437	-10.92	≤5.09	PASS
11N40MIMO	Ant1	2452	-21.25	≤5.09	PASS
11N40MIMO	Ant2	2452	-21.68	≤5.09	PASS
11N40MIMO	total	2452	-11.54	≤5.09	PASS

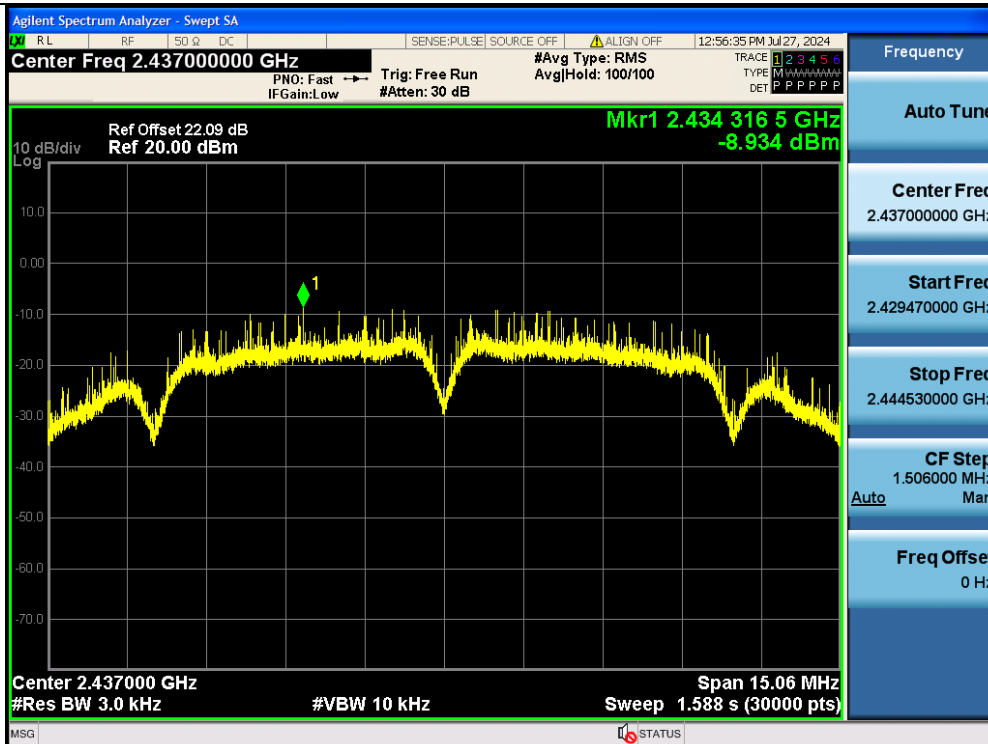
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The test plots as follows:

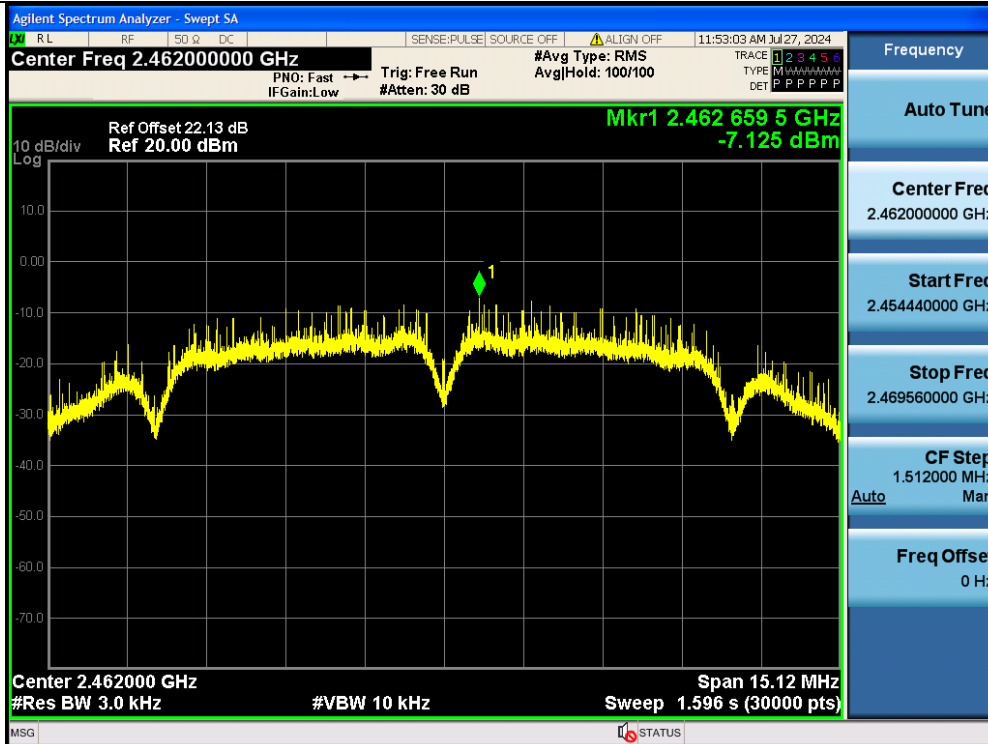




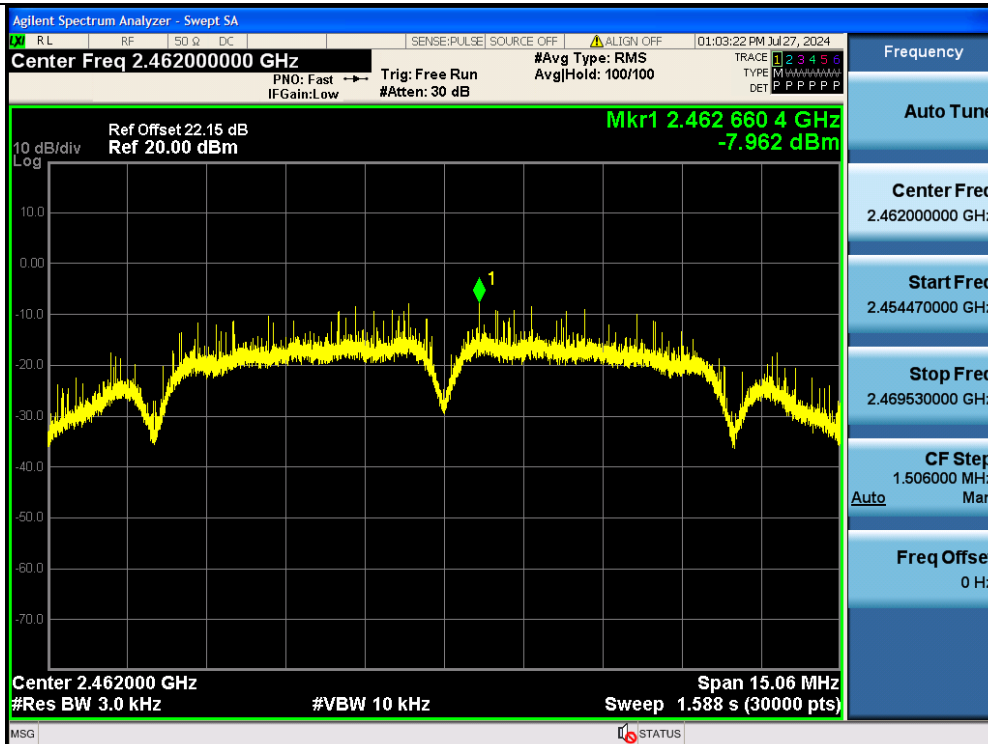
11B-Ant2-2437-PASS



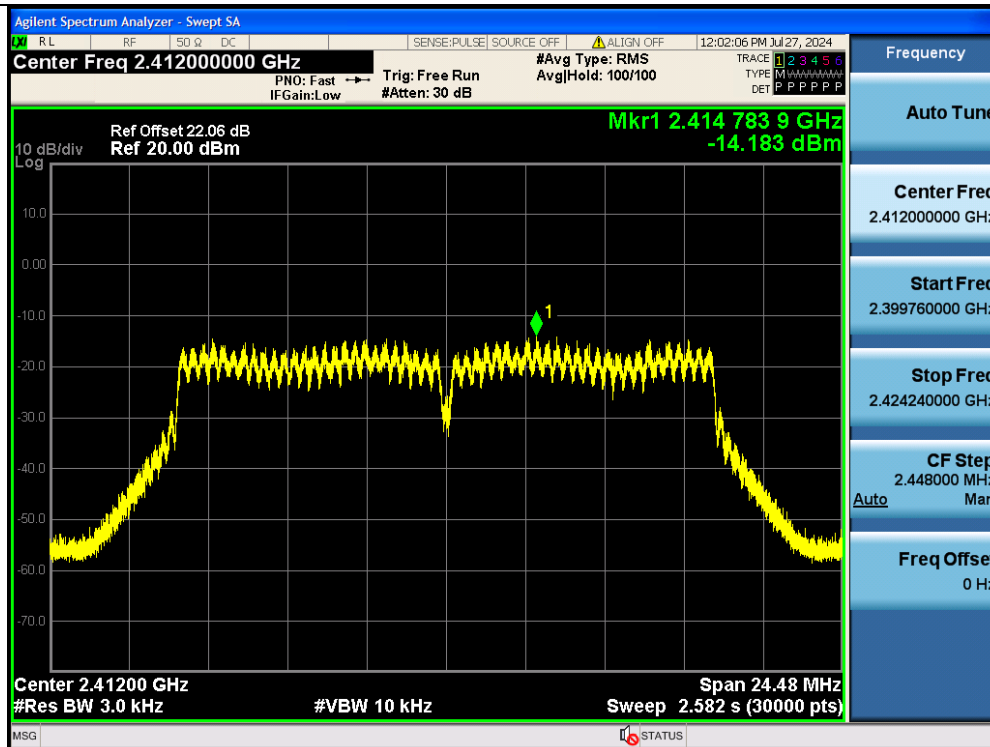
11B-Ant1-2462-PASS



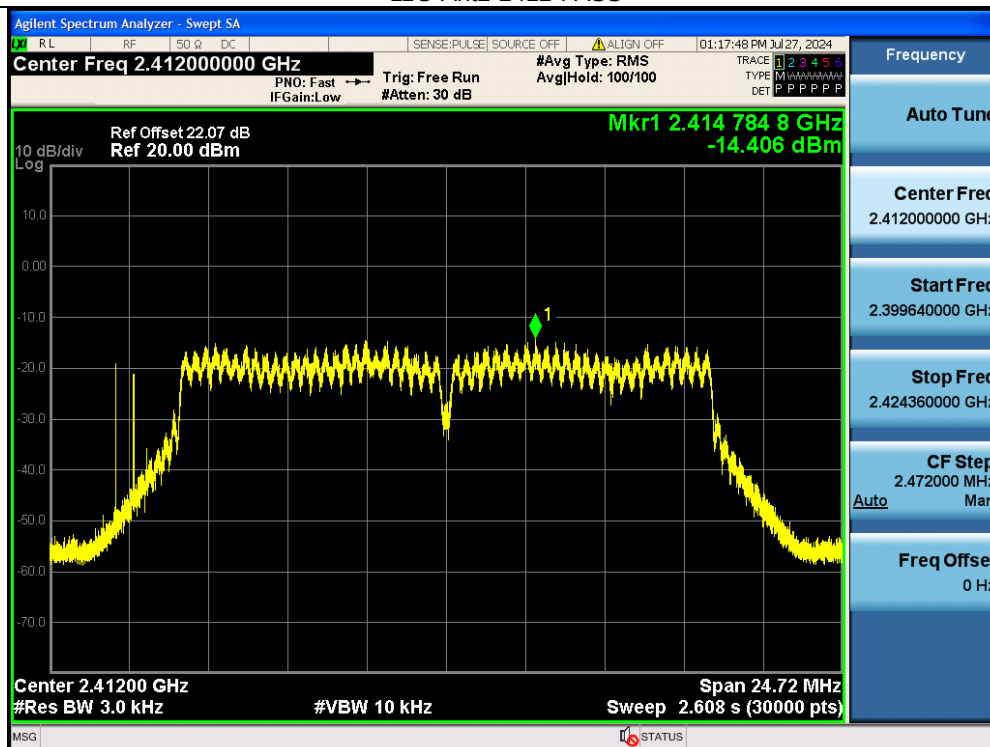
11B-Ant2-2462-PASS



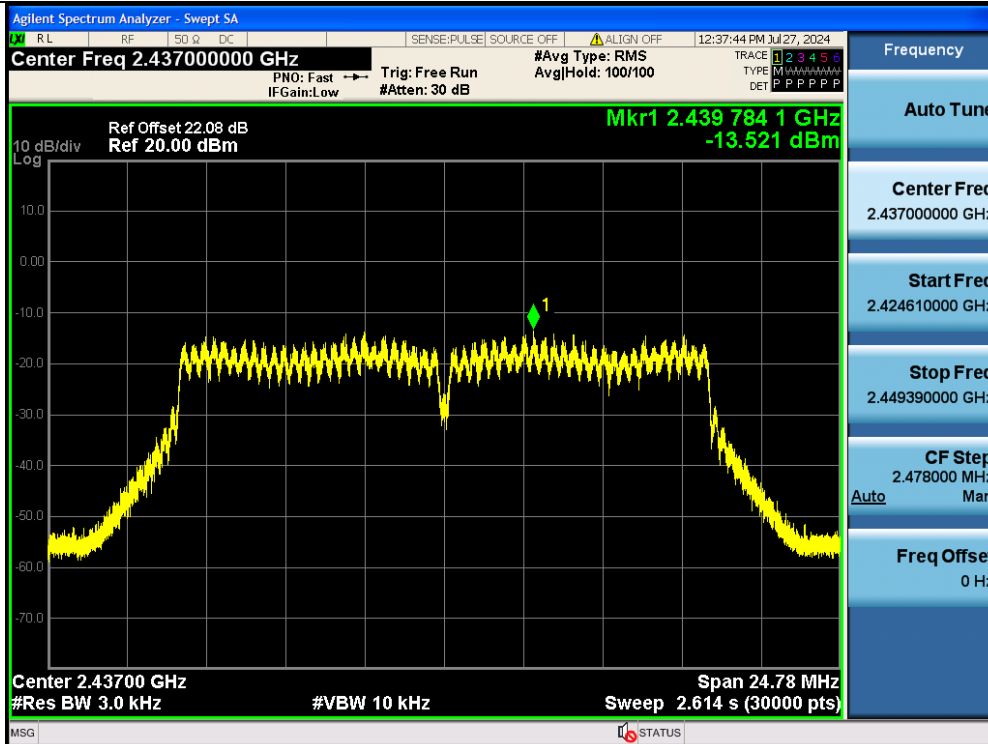
11G-Ant1-2412-PASS



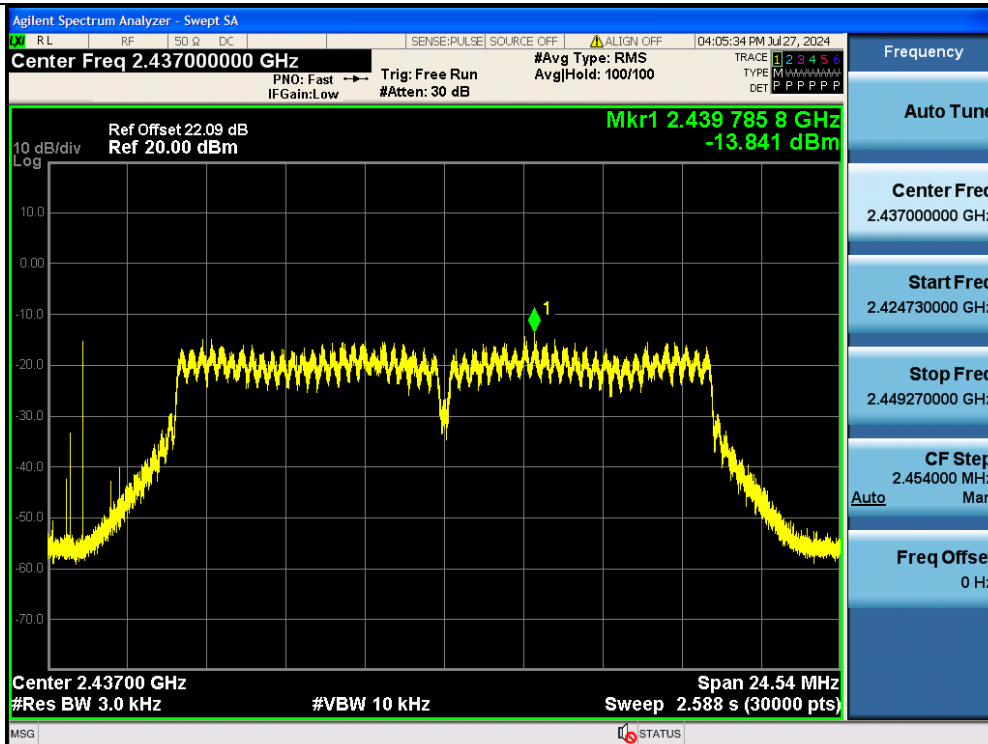
11G-Ant2-2412-PASS



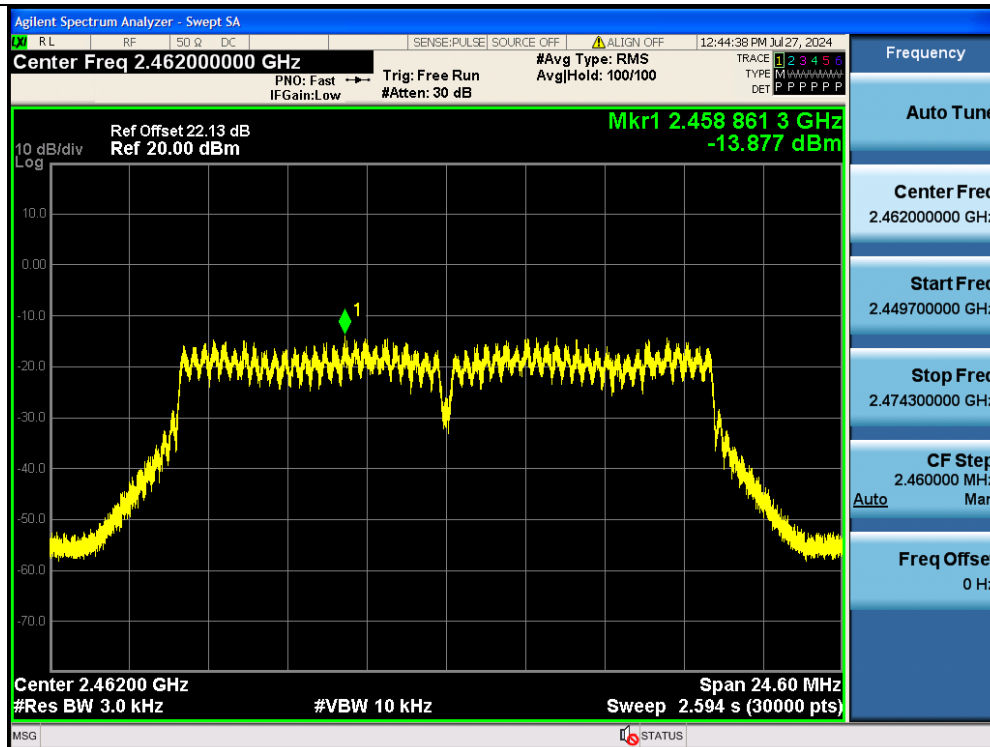
11G-Ant1-2437-PASS



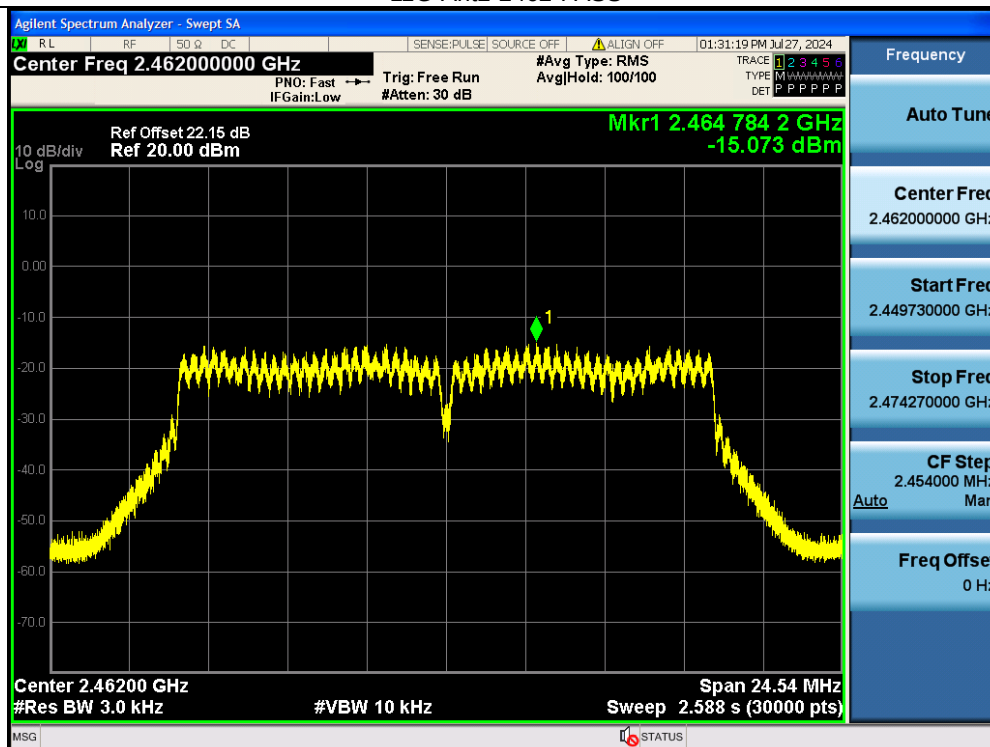
11G-Ant2-2437-PASS



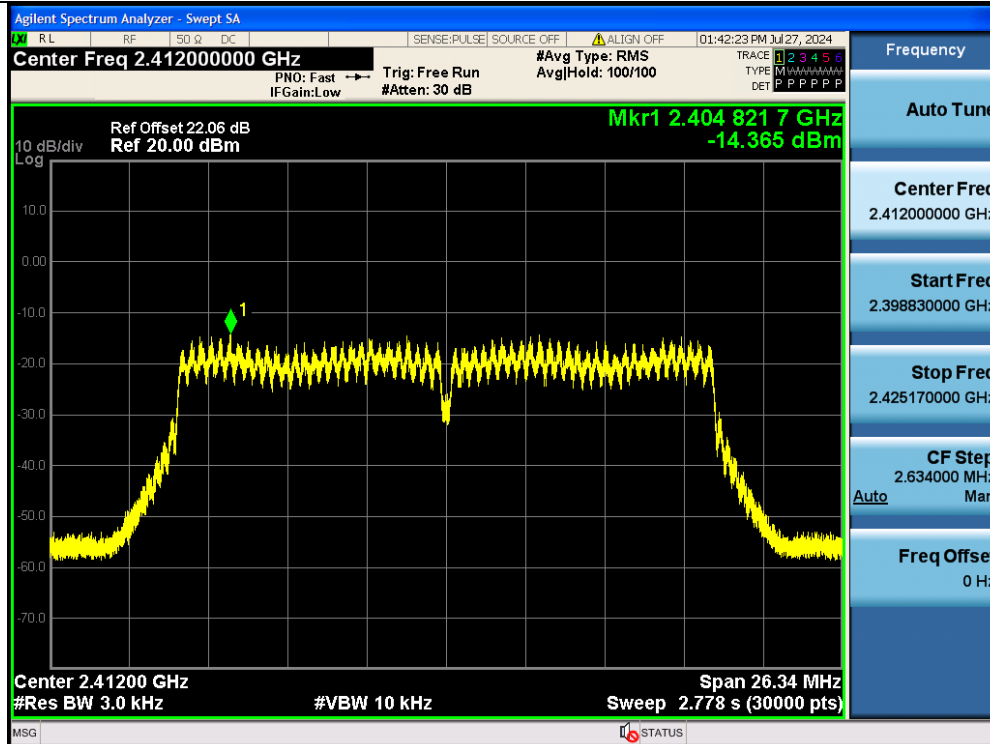
11G-Ant1-2462-PASS



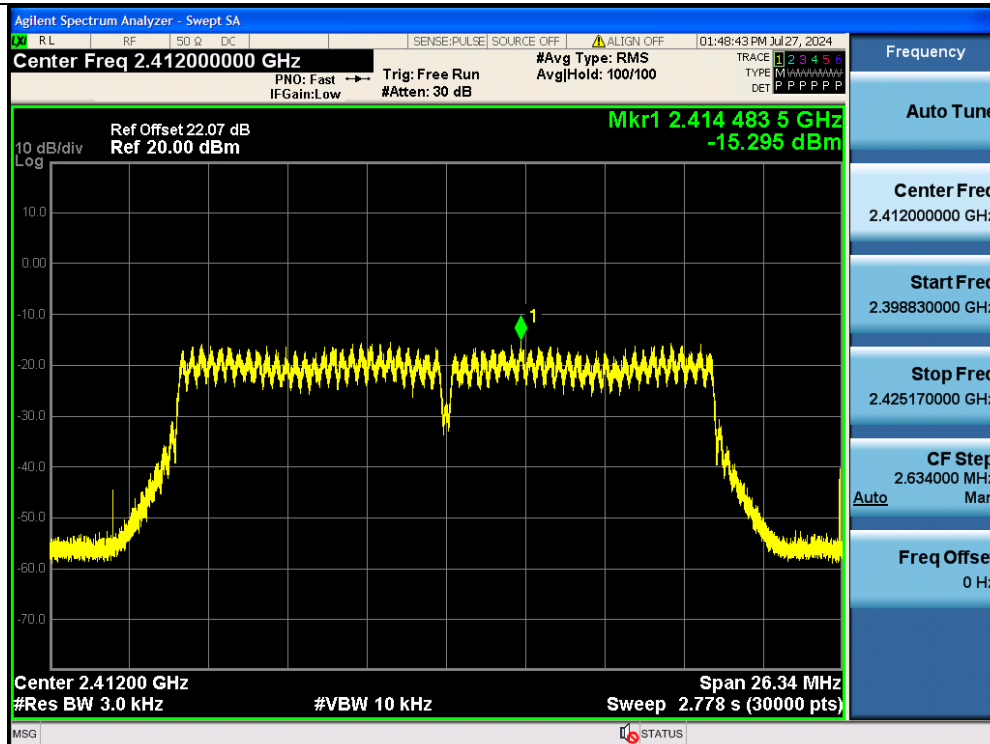
11G-Ant2-2462-PASS



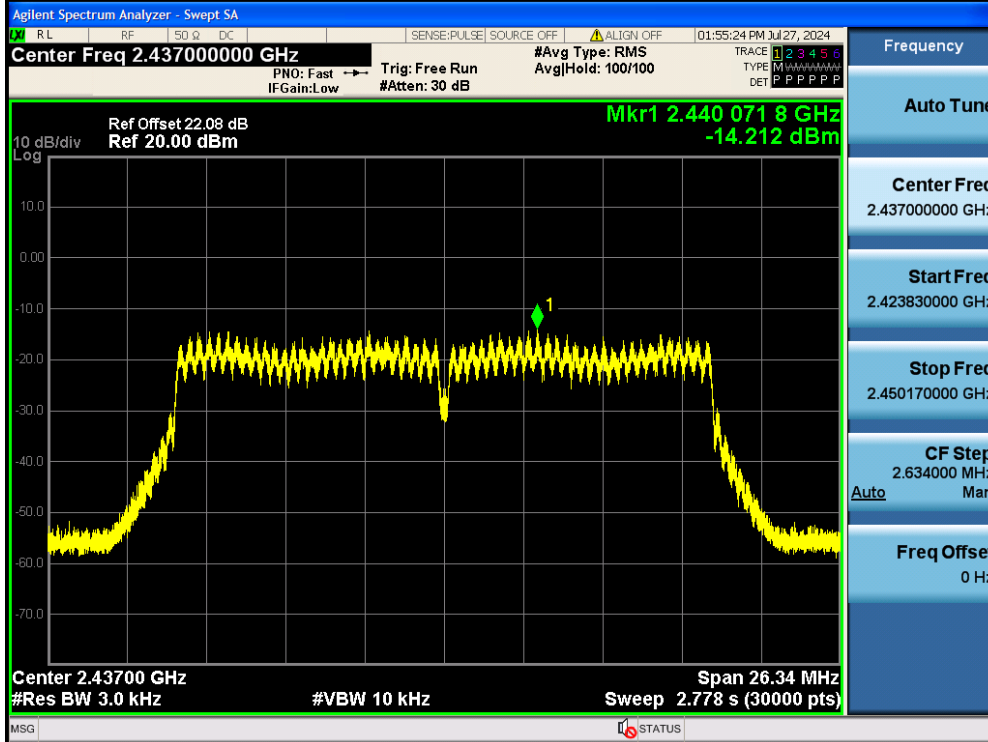
11N20MIMO-Ant1-2412-PASS



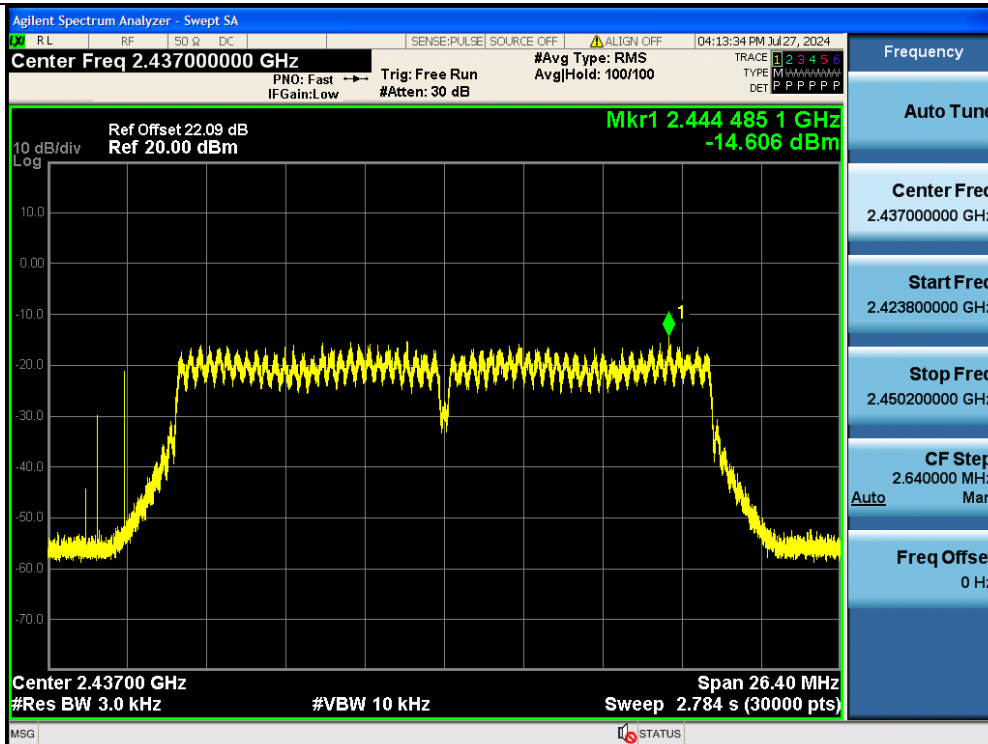
11N20MIMO-Ant2-2412-PASS



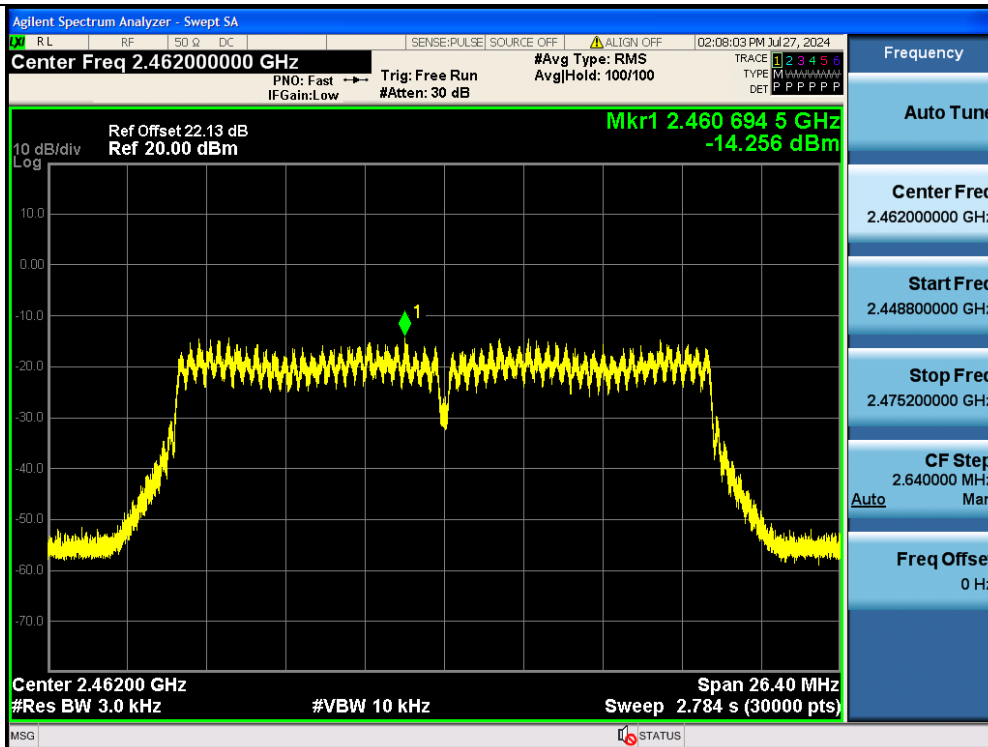
11N20MIMO-Ant1-2437-PASS



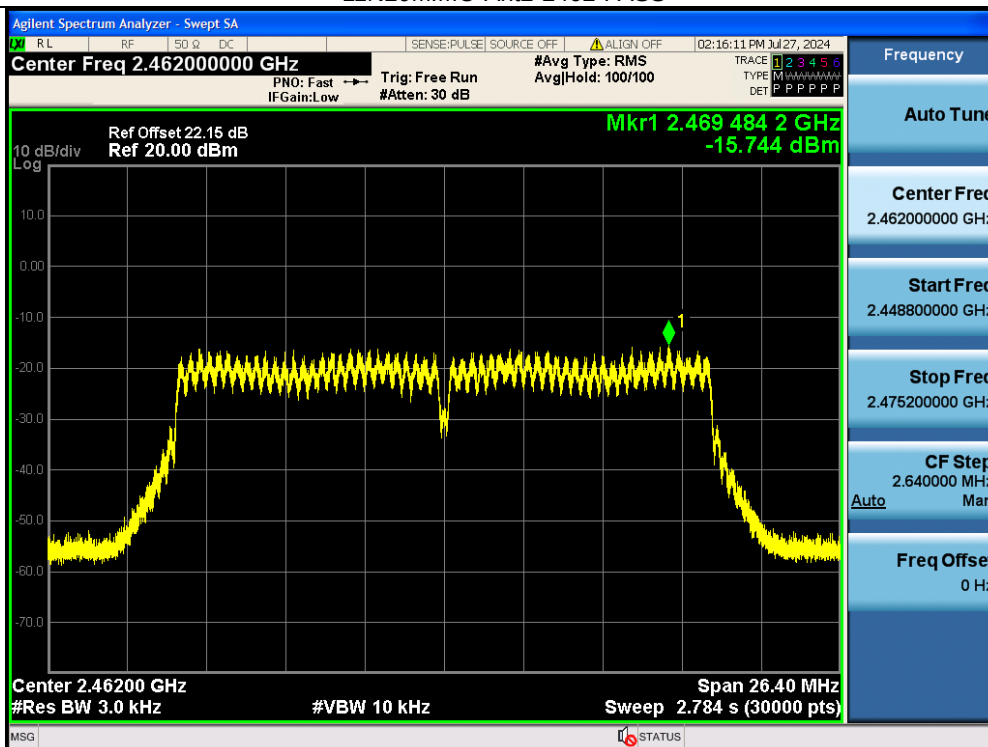
11N20MIMO-Ant2-2437-PASS



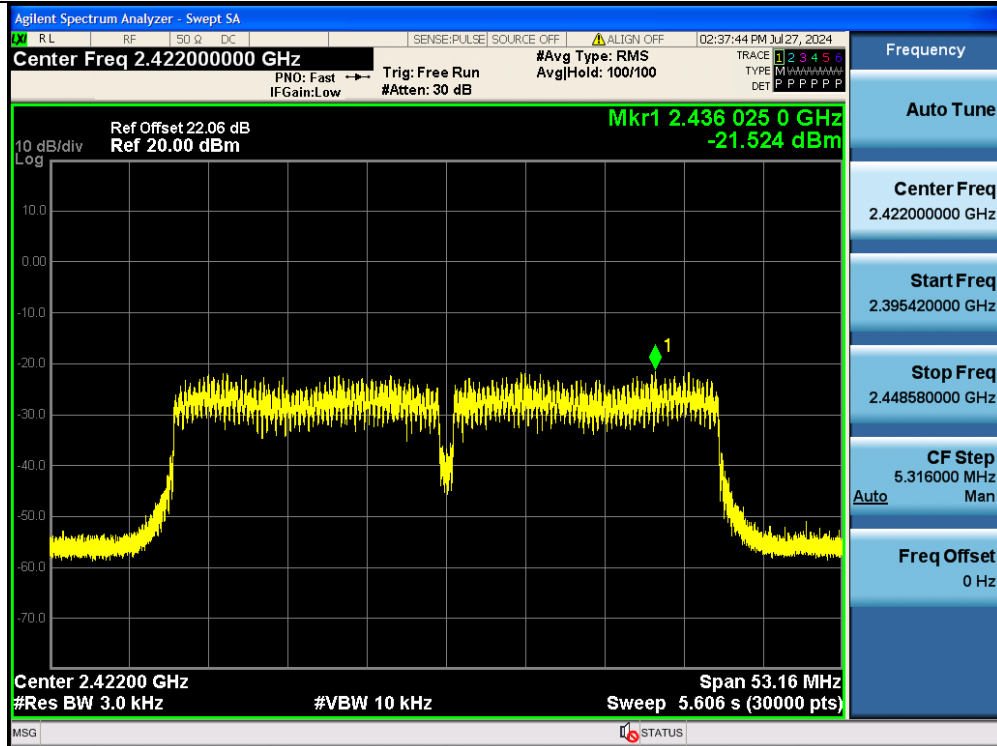
11N20MIMO-Ant1-2462-PASS



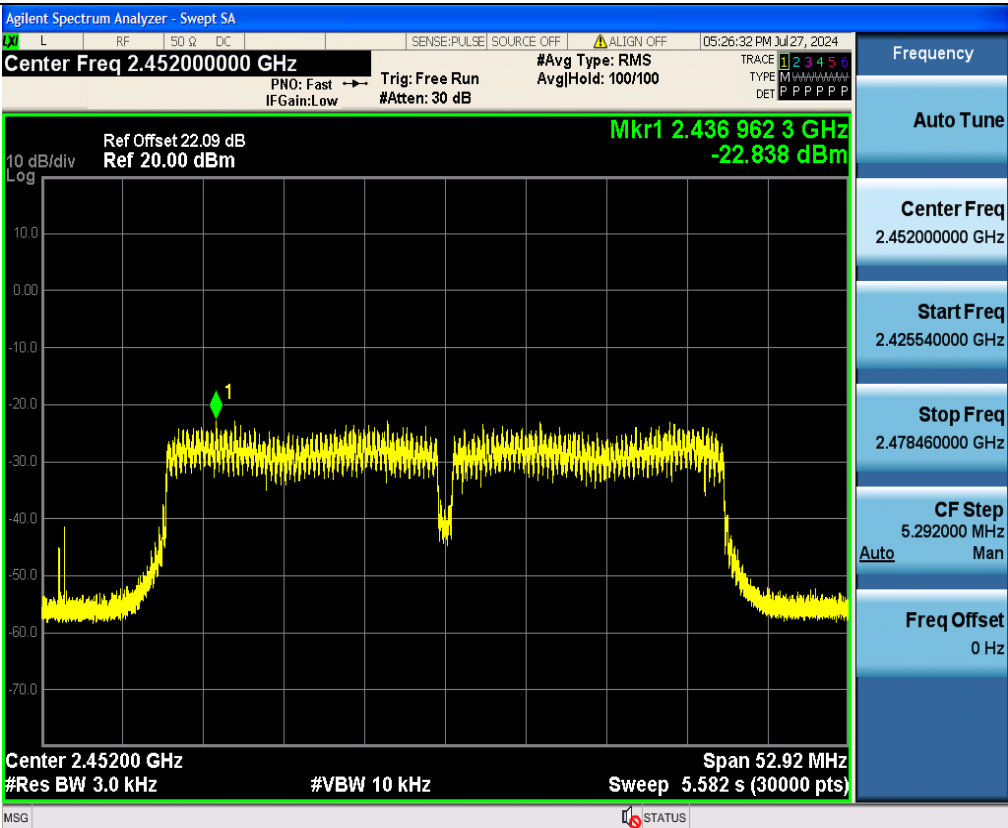
11N20MIMO-Ant2-2462-PASS



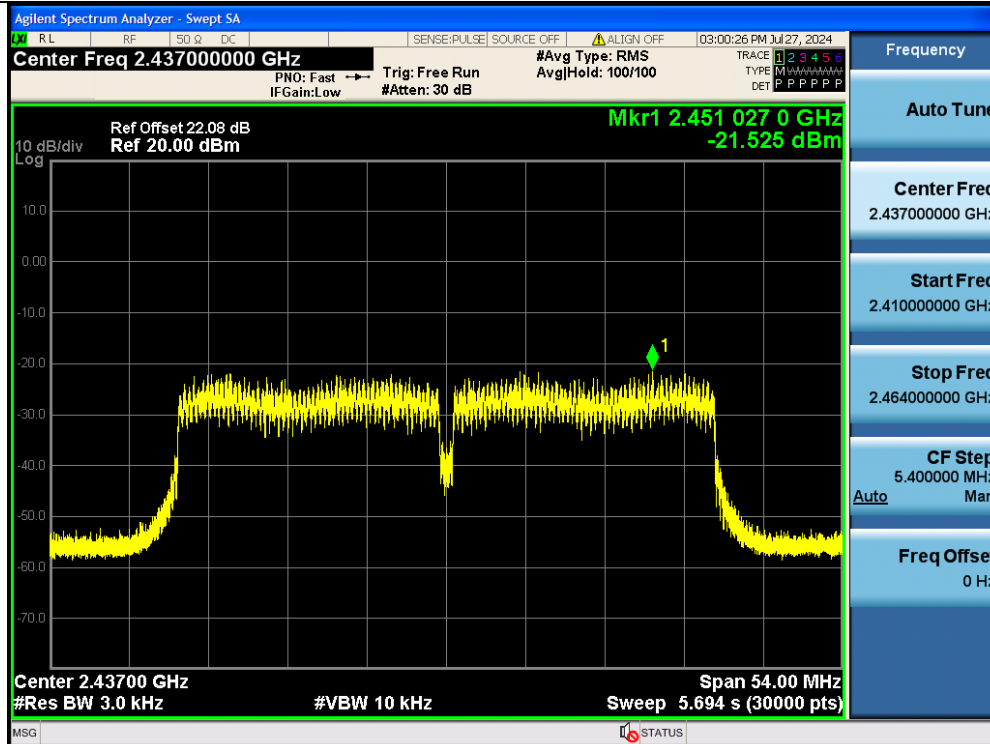
11N40MIMO-Ant1-2422-PASS



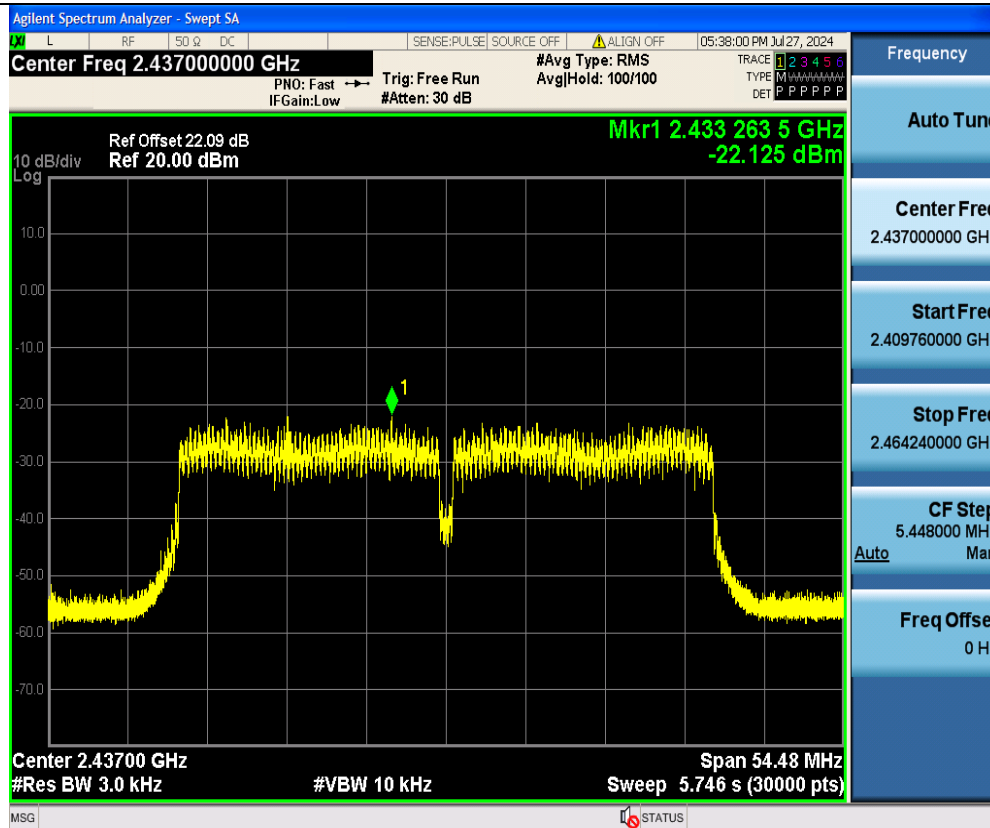
11N40MIMO-Ant2-2422-PASS



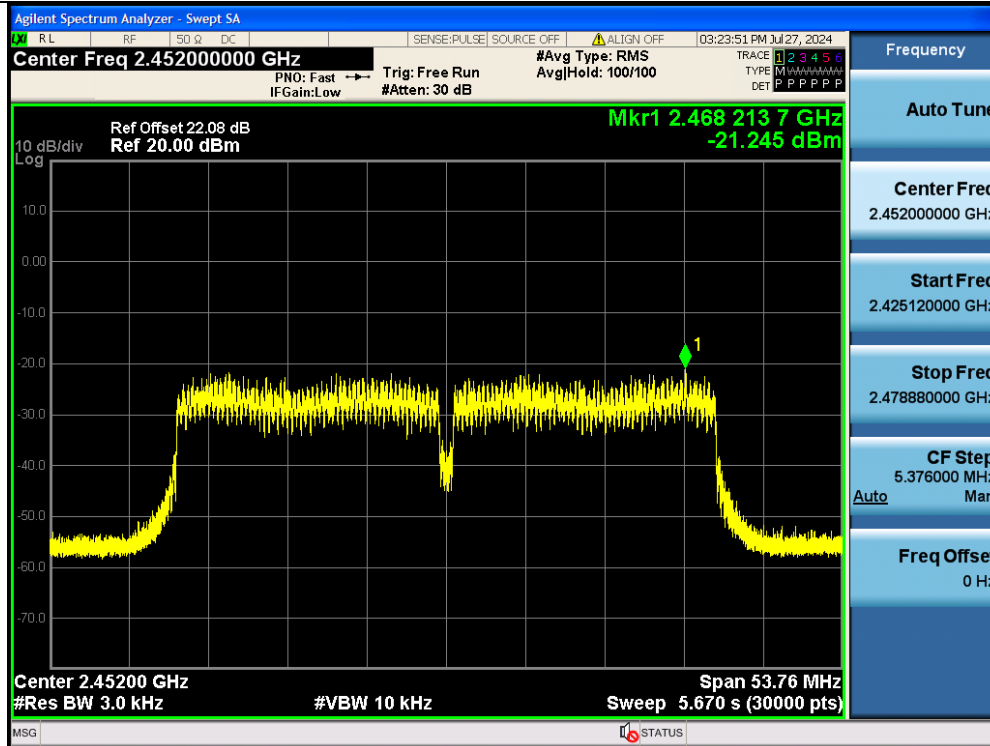
11N40MIMO-Ant1-2437-PASS



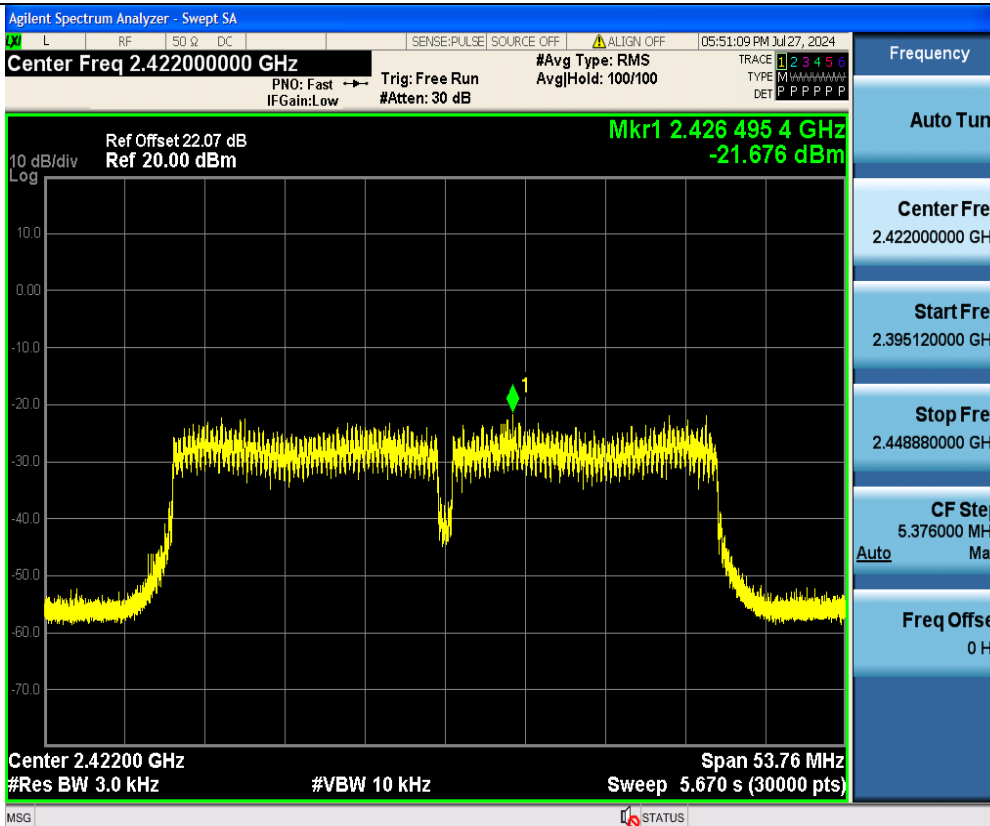
11N40MIMO-Ant2-2437-PASS



11N40MIMO-Ant1-2452-PASS



11N40MIMO-Ant2-2452-PASS



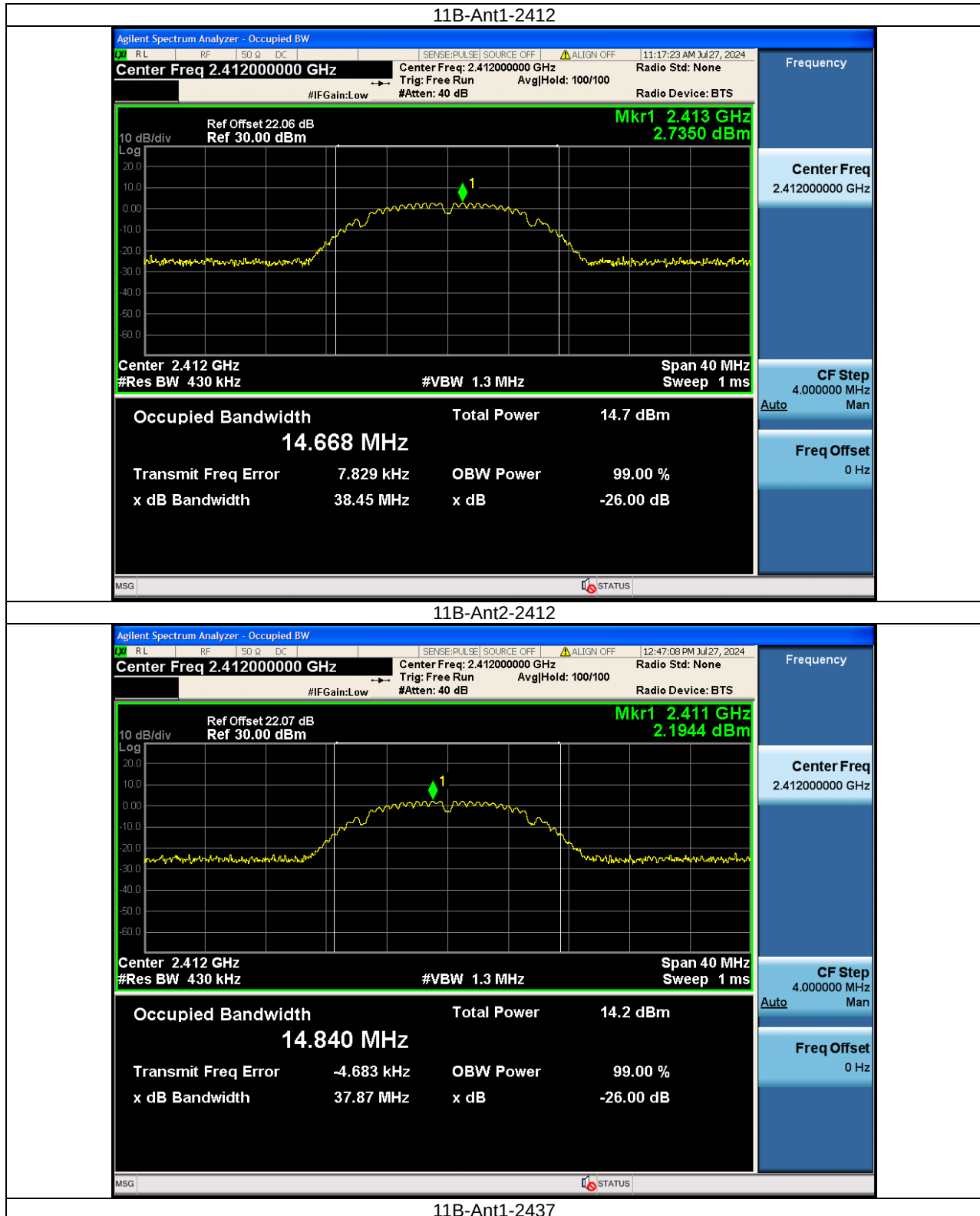
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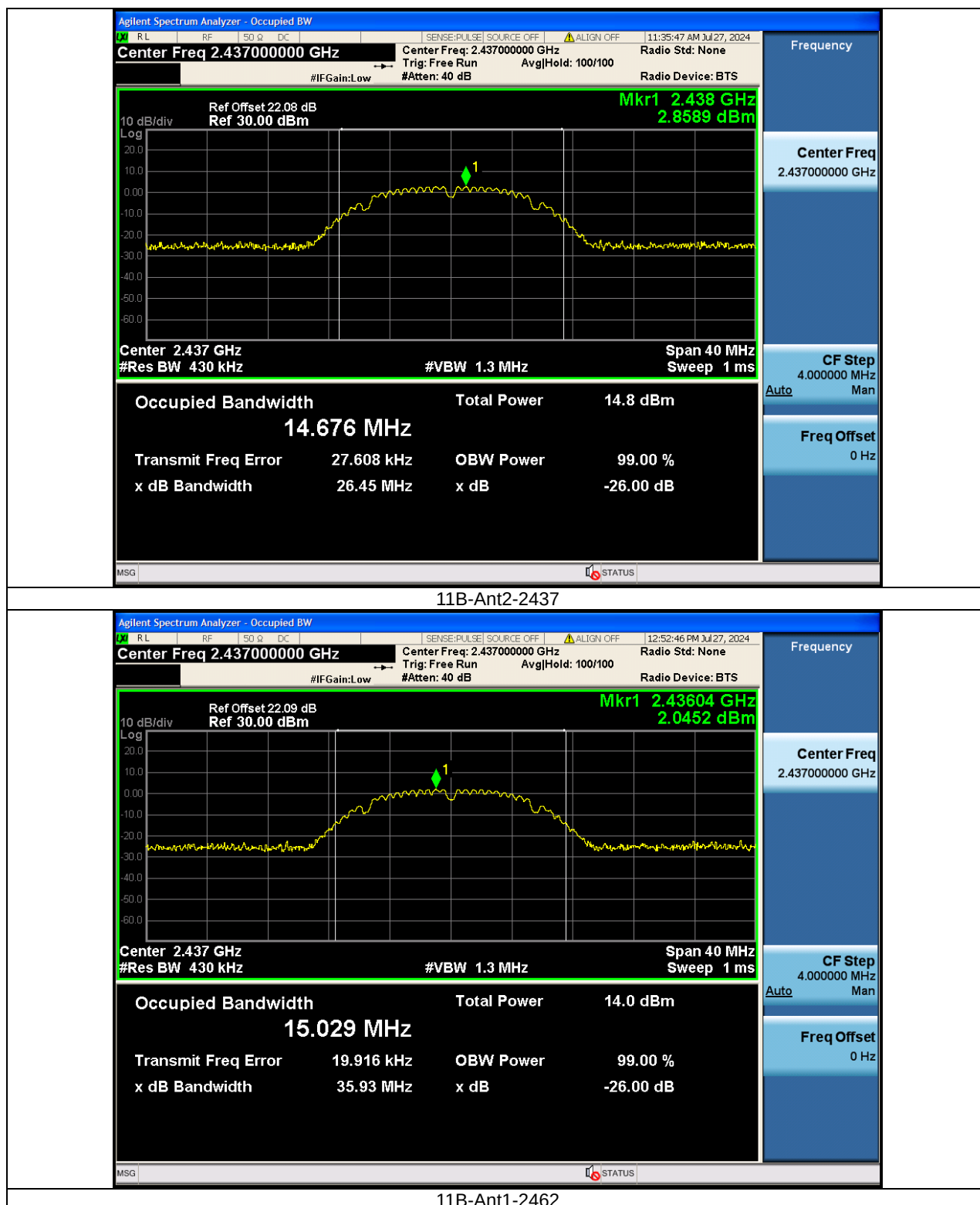
Appendix D: Occupied Channel Bandwidth

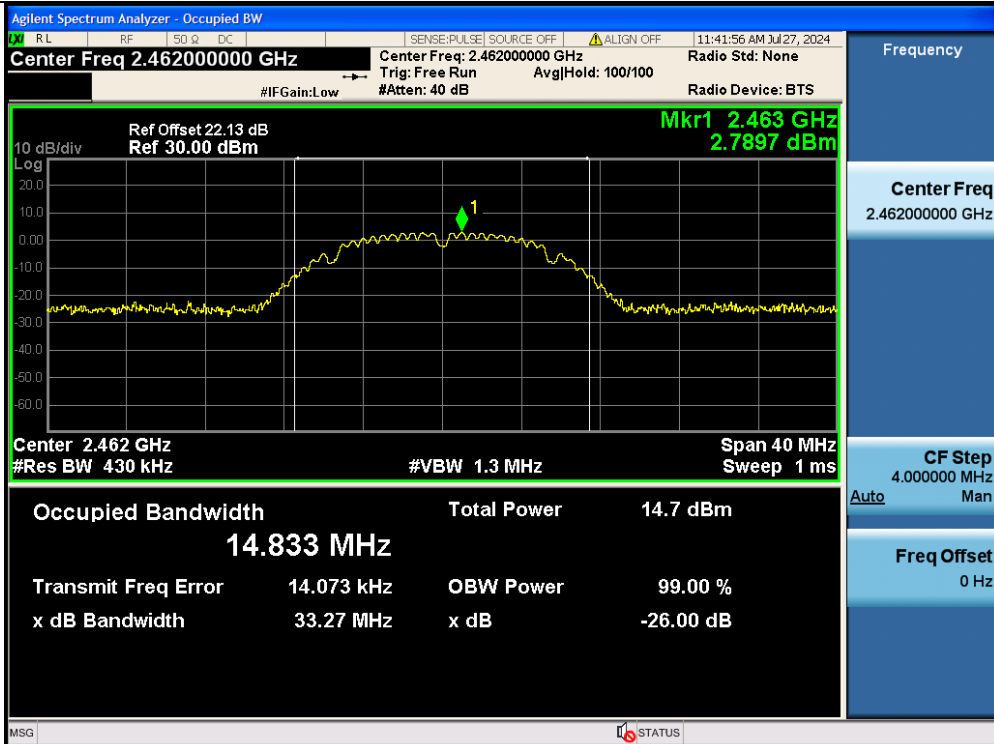
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.668	2404.6738	2419.3418	---	---
11B	Ant2	2412	14.840	2404.5753	2419.4153	---	---
11B	Ant1	2437	14.676	2429.6896	2444.3656	---	---
11B	Ant2	2437	15.029	2429.5054	2444.5344	---	---
11B	Ant1	2462	14.833	2454.5976	2469.4306	---	---
11B	Ant2	2462	15.194	2454.4334	2469.6274	---	---
11G	Ant1	2412	17.168	2403.4406	2420.6086	---	---
11G	Ant2	2412	17.119	2403.4204	2420.5394	---	---
11G	Ant1	2437	17.168	2428.4210	2445.5890	---	---
11G	Ant2	2437	17.130	2428.4417	2445.5717	---	---
11G	Ant1	2462	17.191	2453.3860	2470.5770	---	---
11G	Ant2	2462	17.114	2453.4308	2470.5448	---	---
11N20MIMO	Ant1	2412	18.038	2402.9804	2421.0184	---	---
11N20MIMO	Ant2	2412	17.923	2403.0324	2420.9554	---	---
11N20MIMO	Ant1	2437	18.056	2427.9669	2446.0229	---	---
11N20MIMO	Ant2	2437	18.013	2427.9950	2446.0080	---	---
11N20MIMO	Ant1	2462	18.078	2452.9257	2471.0037	---	---
11N20MIMO	Ant2	2462	18.069	2452.9813	2471.0503	---	---
11N40MIMO	Ant1	2422	54.008	2395.5644	2449.5724	---	---
11N40MIMO	Ant2	2422	56.844	2394.0600	2450.9040	---	---
11N40MIMO	Ant1	2437	54.325	2410.7745	2465.0995	---	---
11N40MIMO	Ant2	2437	56.849	2408.7925	2465.6415	---	---
11N40MIMO	Ant1	2452	53.751	2425.6991	2479.4501	---	---
11N40MIMO	Ant2	2452	58.168	2423.5237	2481.6917	---	---

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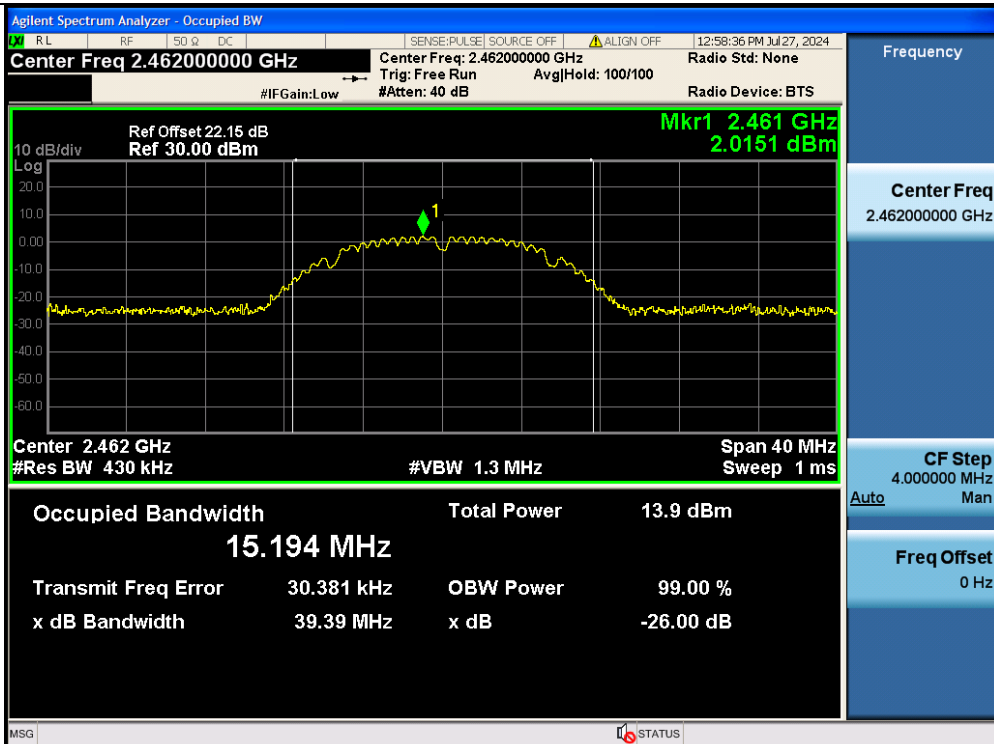
The test plots as follows:



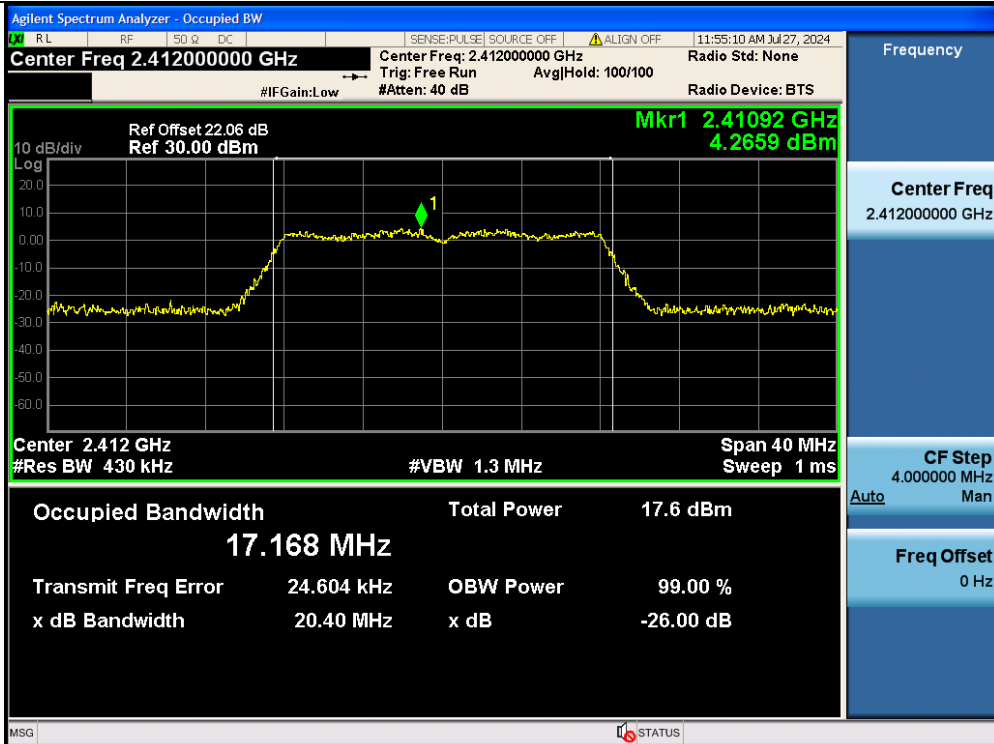




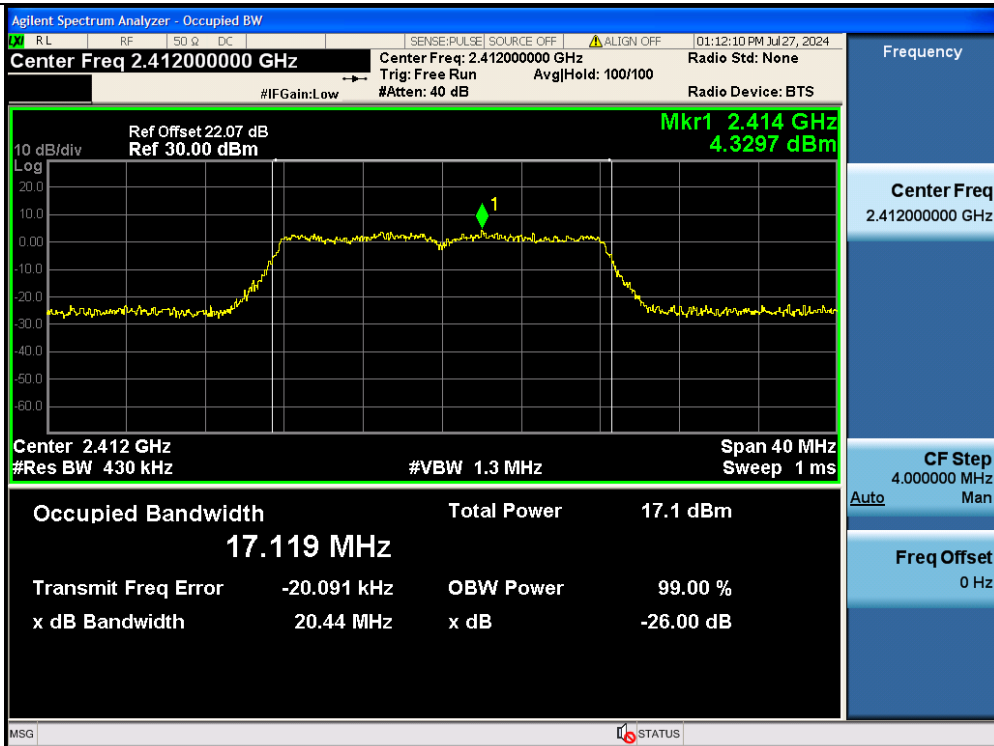
11B-Ant2-2462



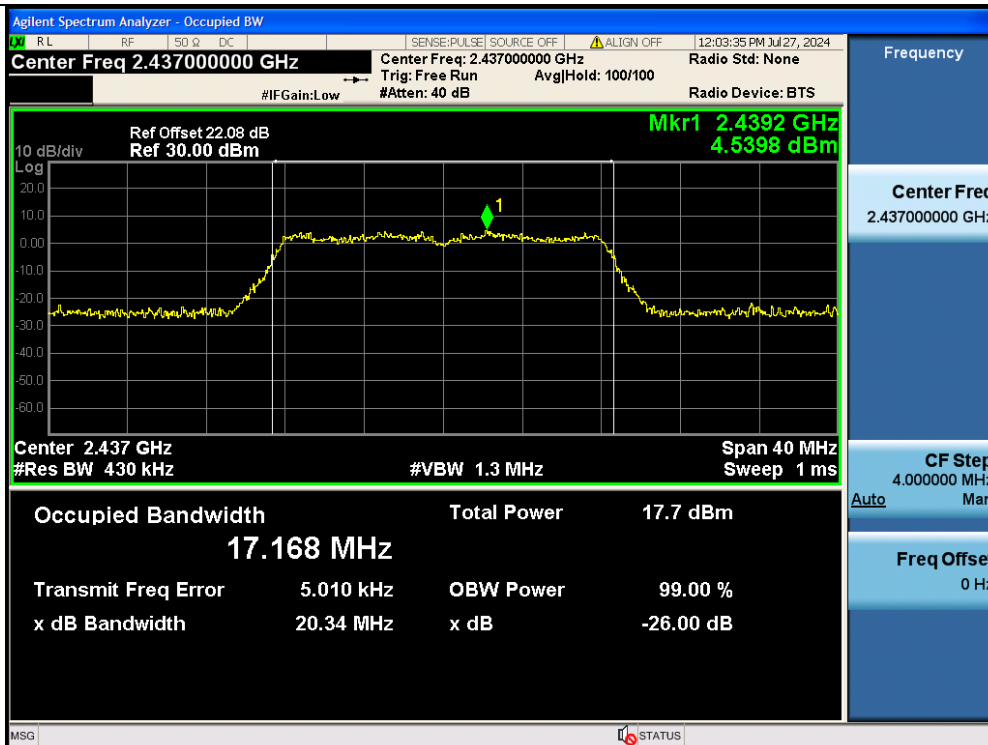
11G-Ant1-2412



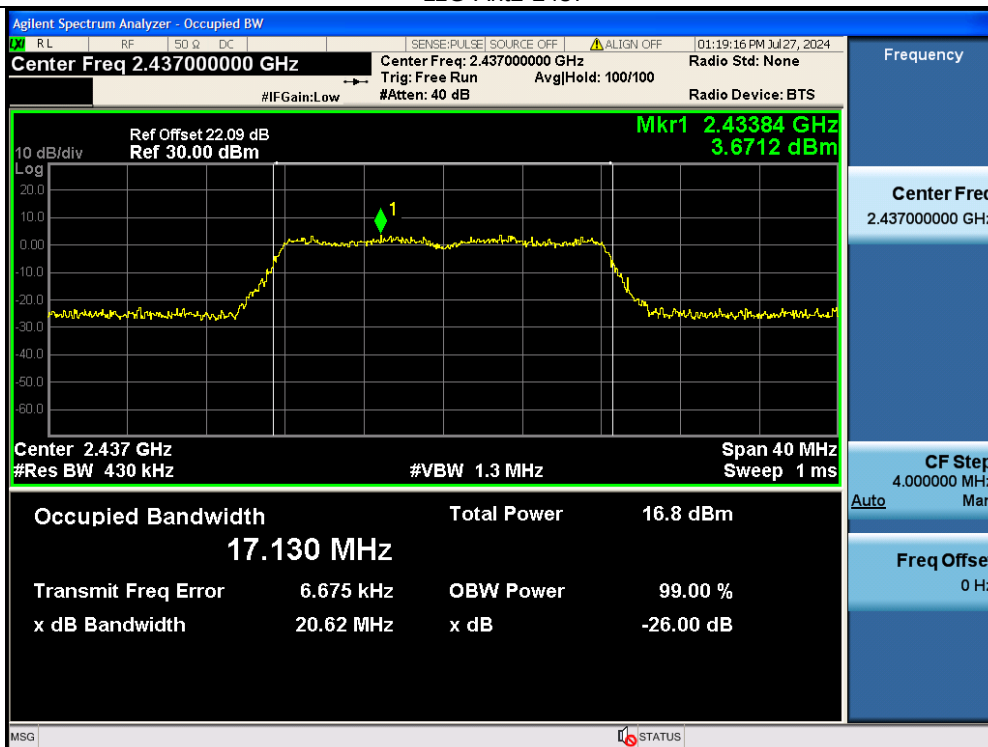
11G-Ant2-2412



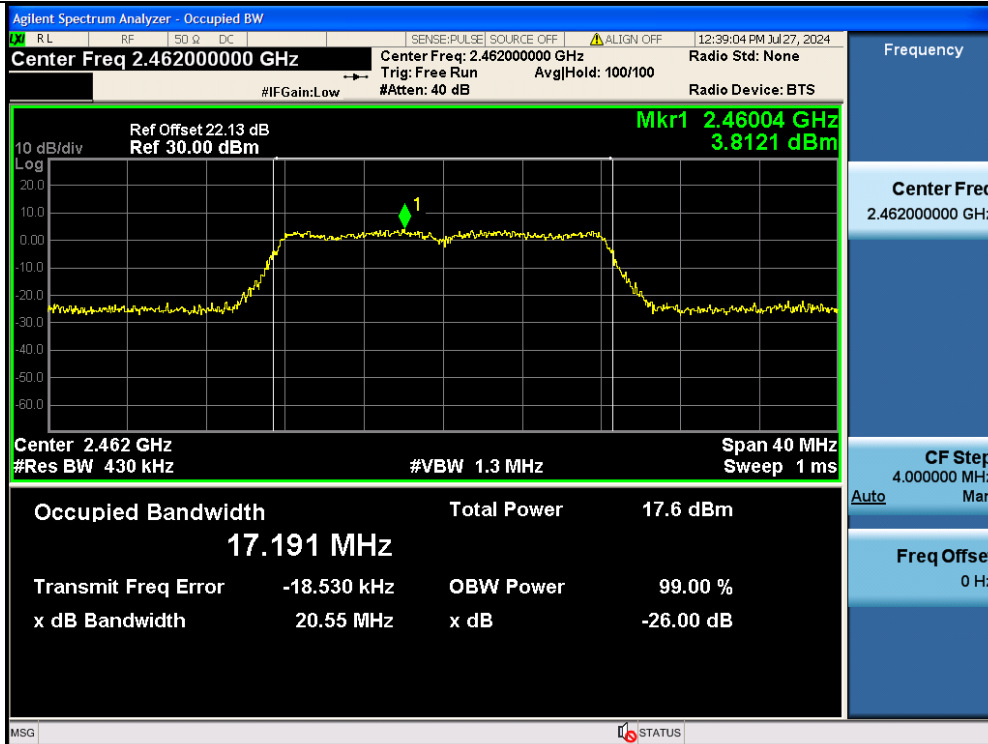
11G-Ant1-2437



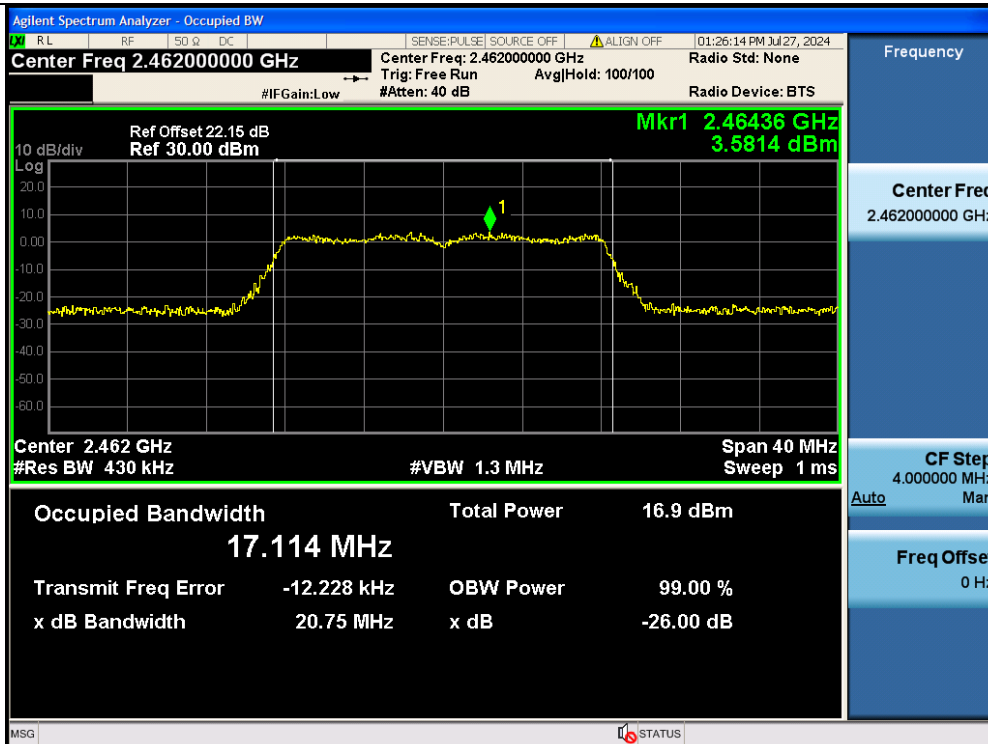
11G-Ant2-2437



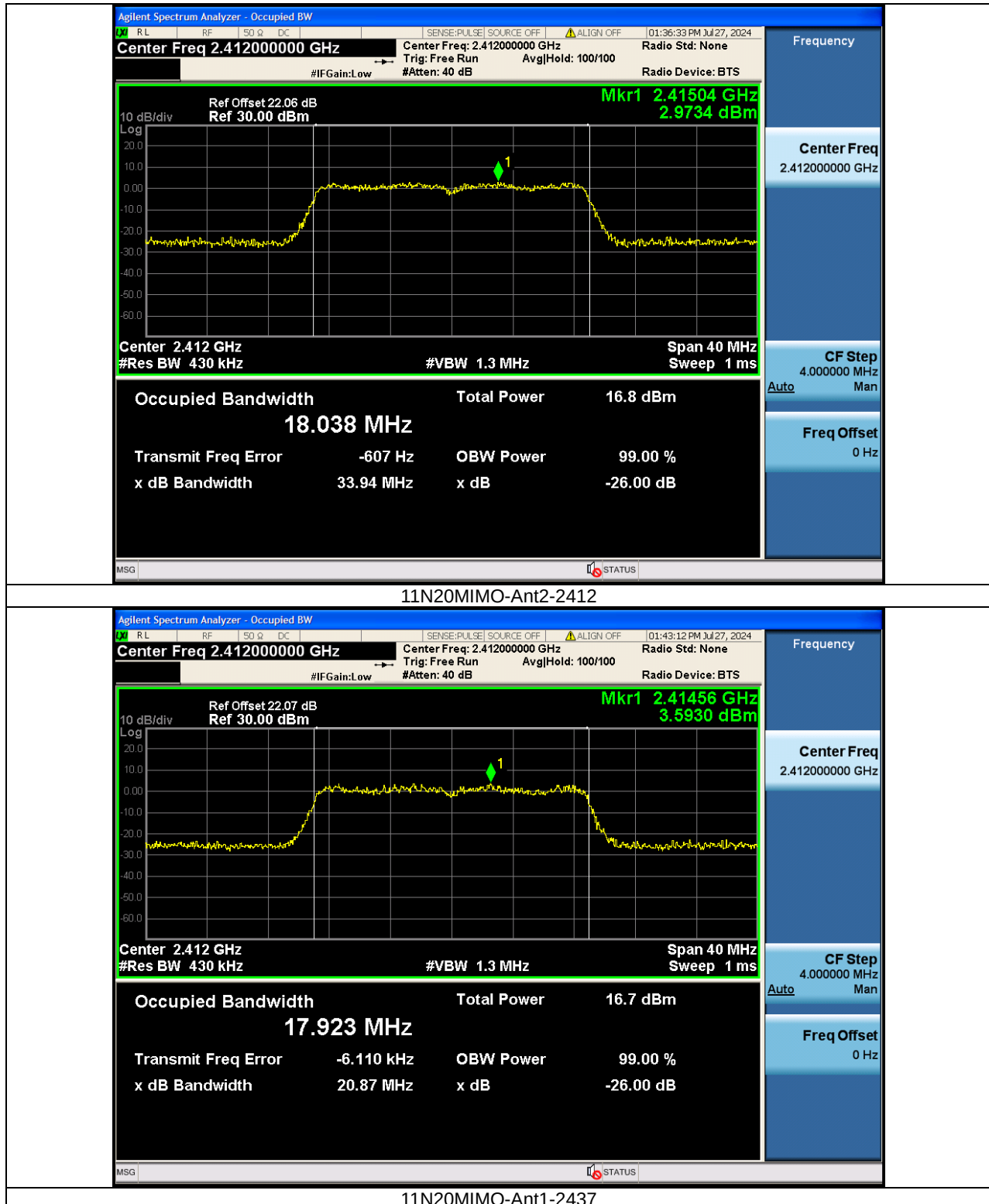
11G-Ant1-2462

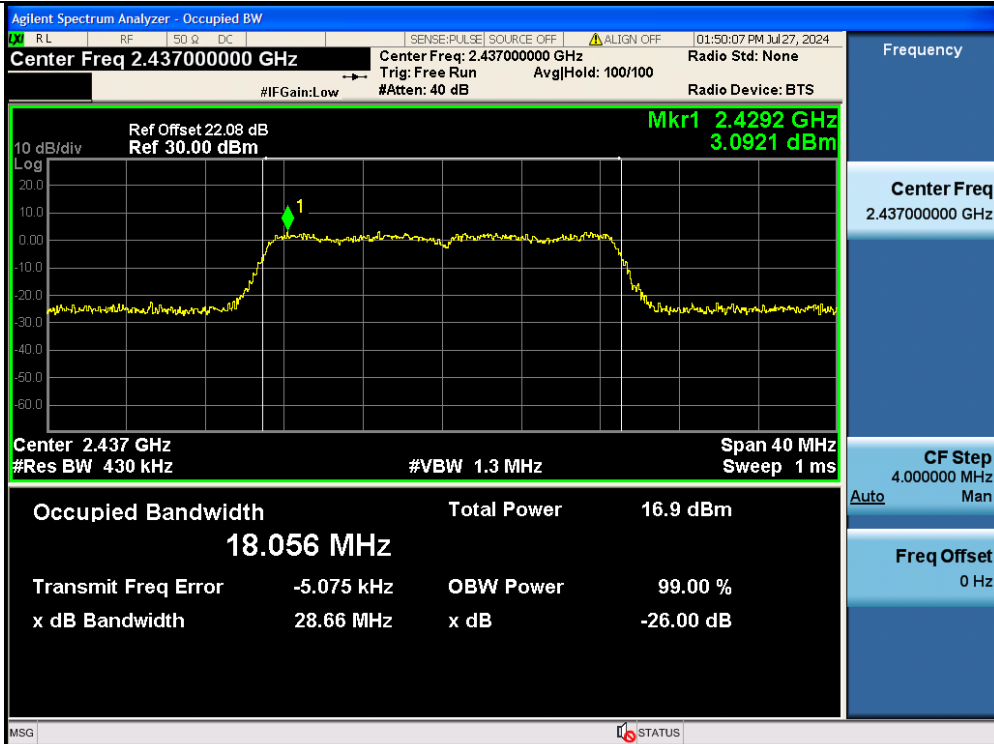


11G-Ant2-2462

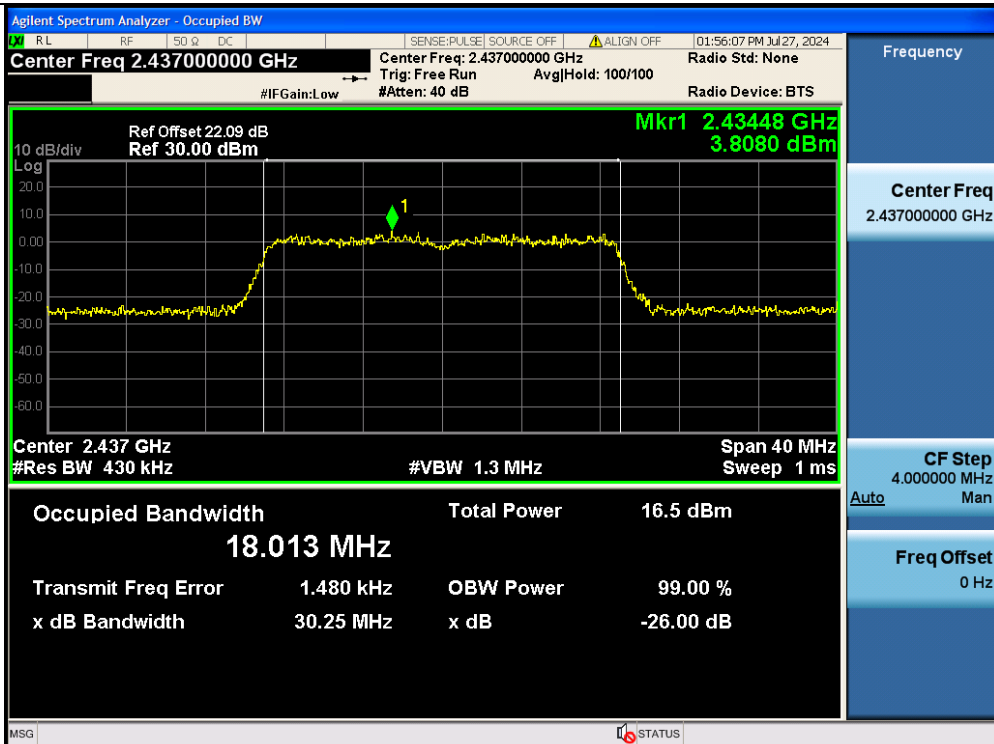


11N20MIMO-Ant1-2412

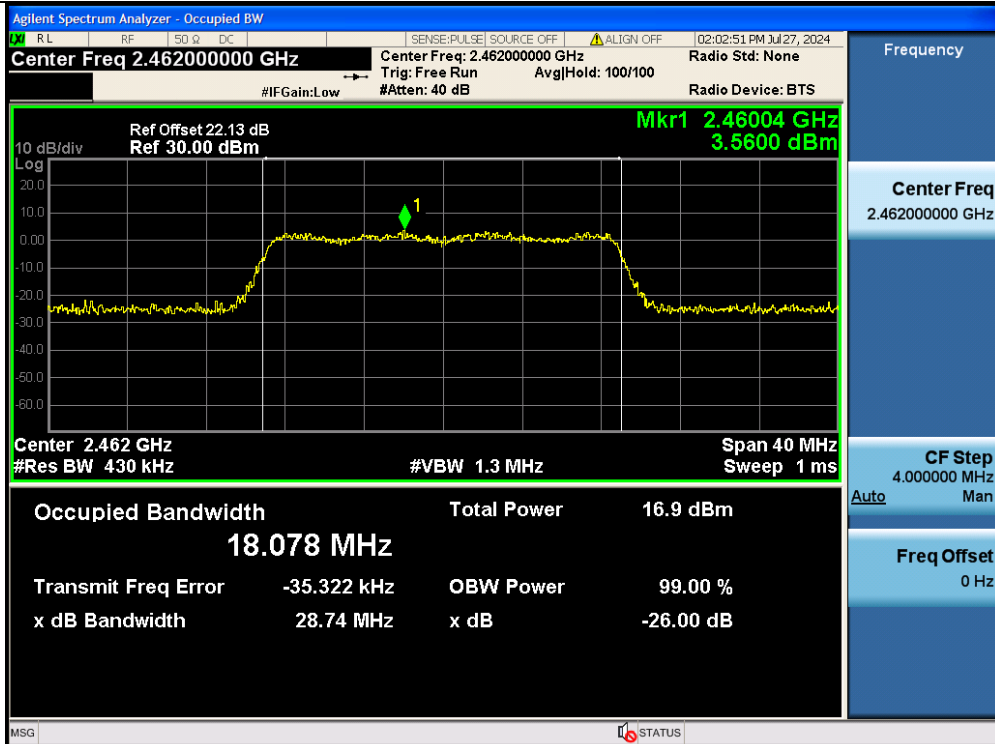




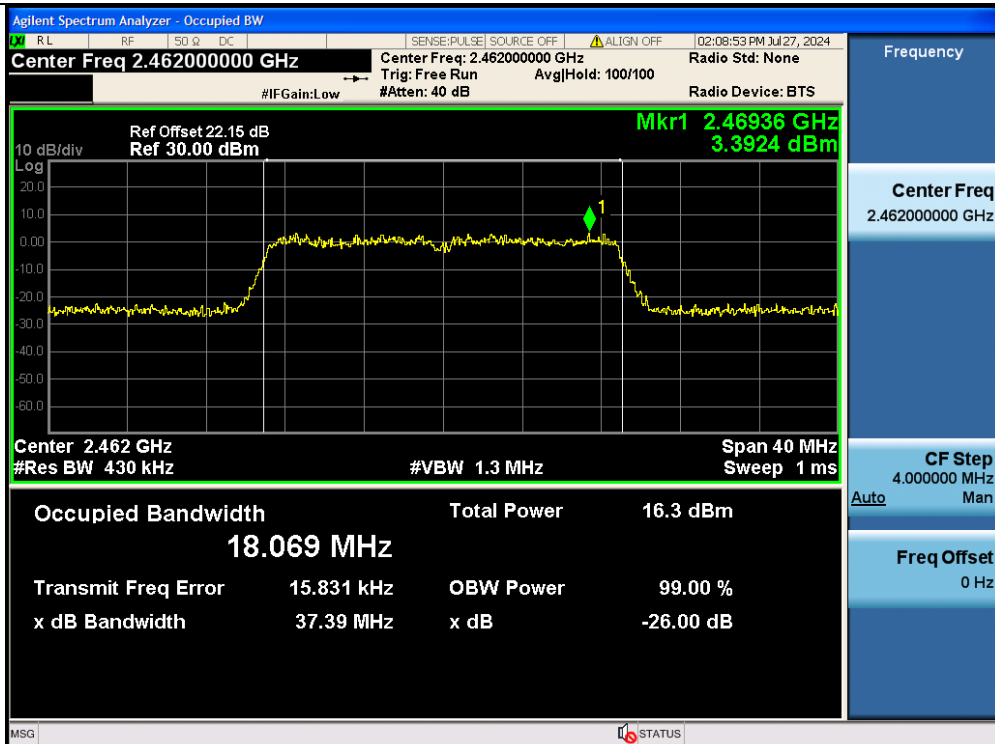
11N20MIMO-Ant2-2437



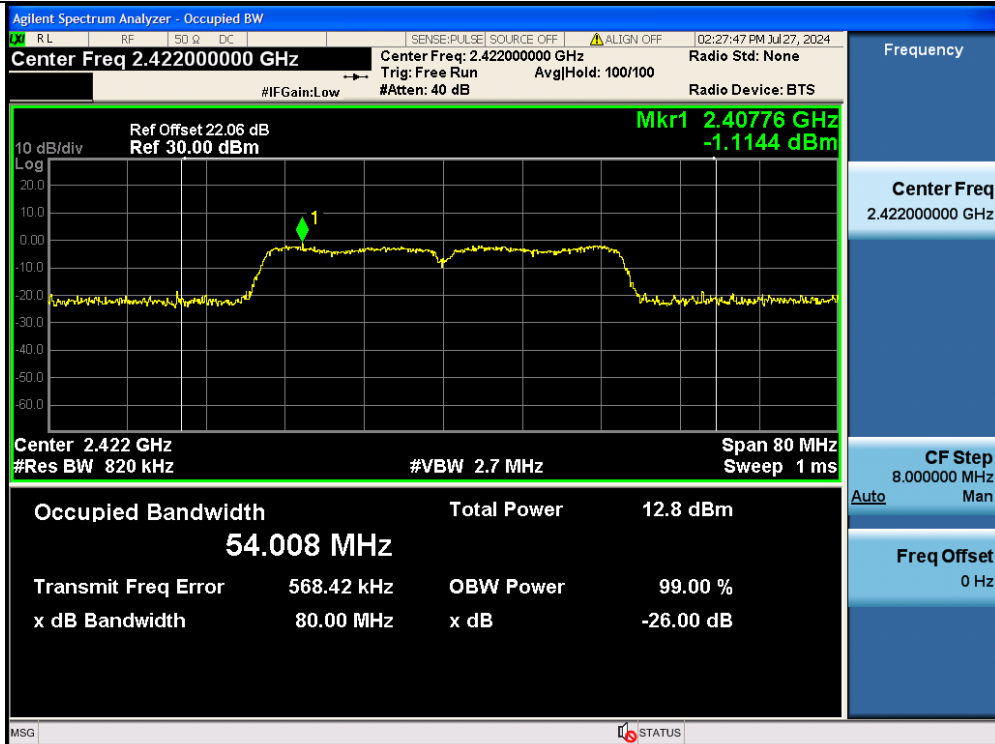
11N20MIMO-Ant1-2462



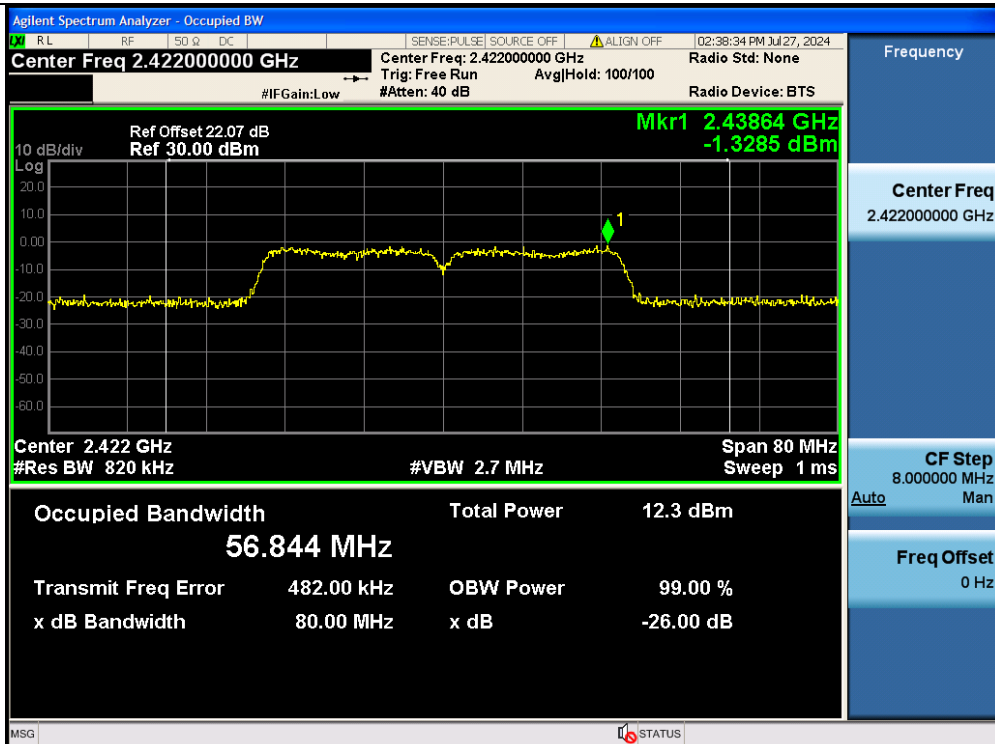
11N20MIMO-Ant2-2462



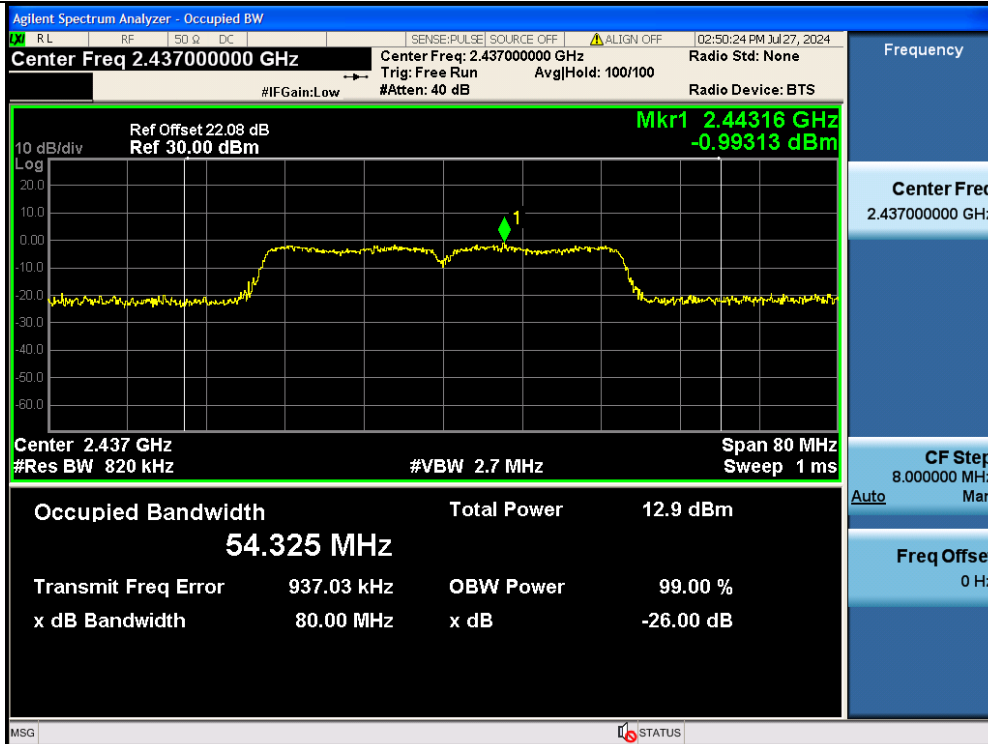
11N40MIMO-Ant1-2422



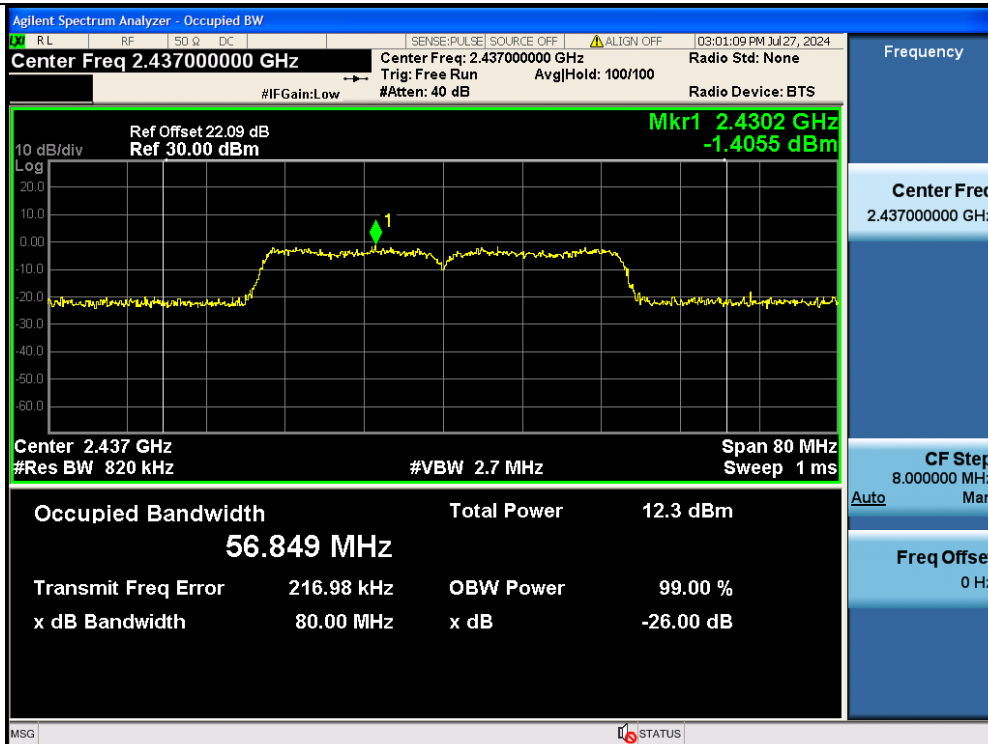
11N40MIMO-Ant2-2422



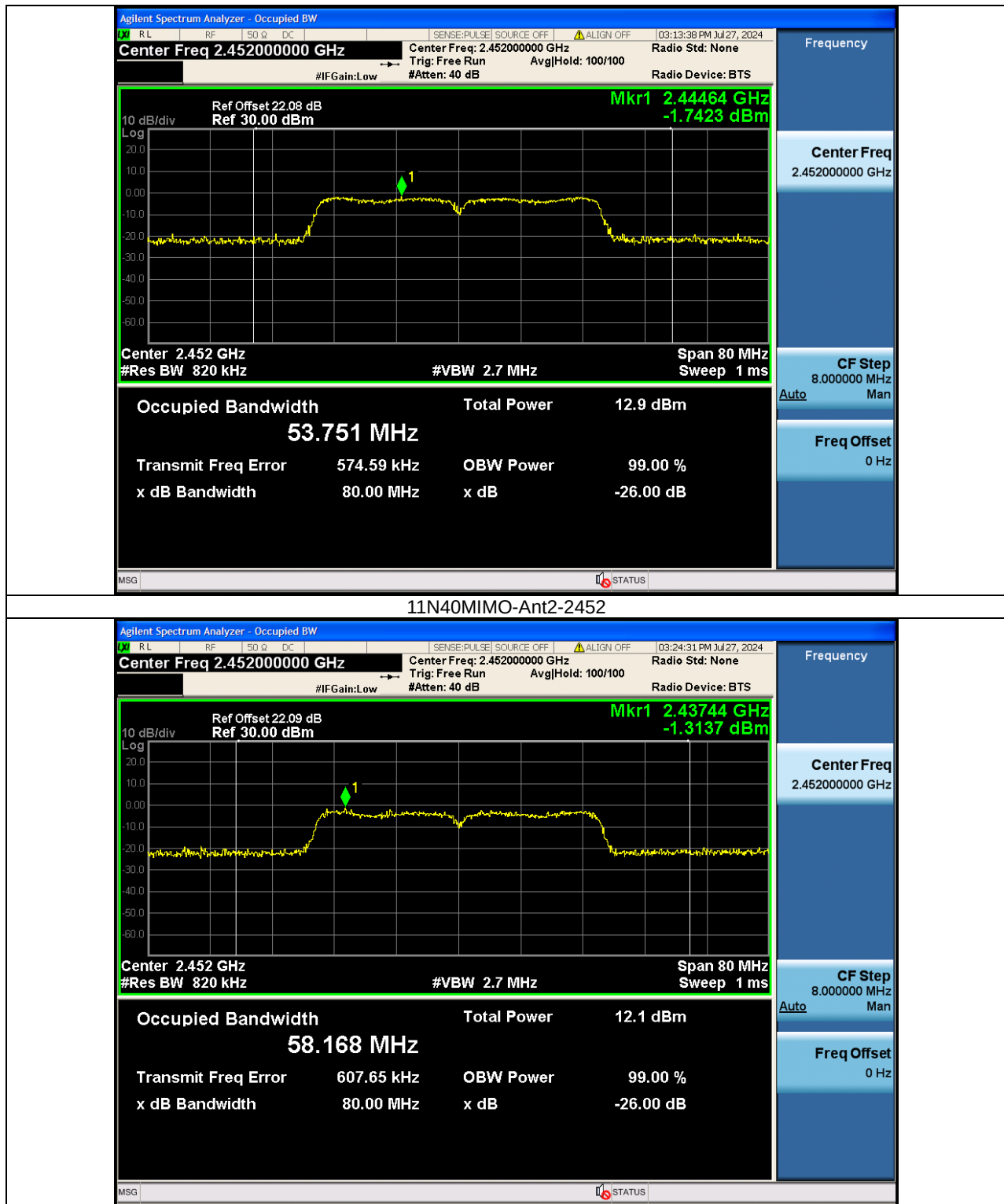
11N40MIMO-Ant1-2437



11N40MIMO-Ant2-2437



11N40MIMO-Ant1-2452

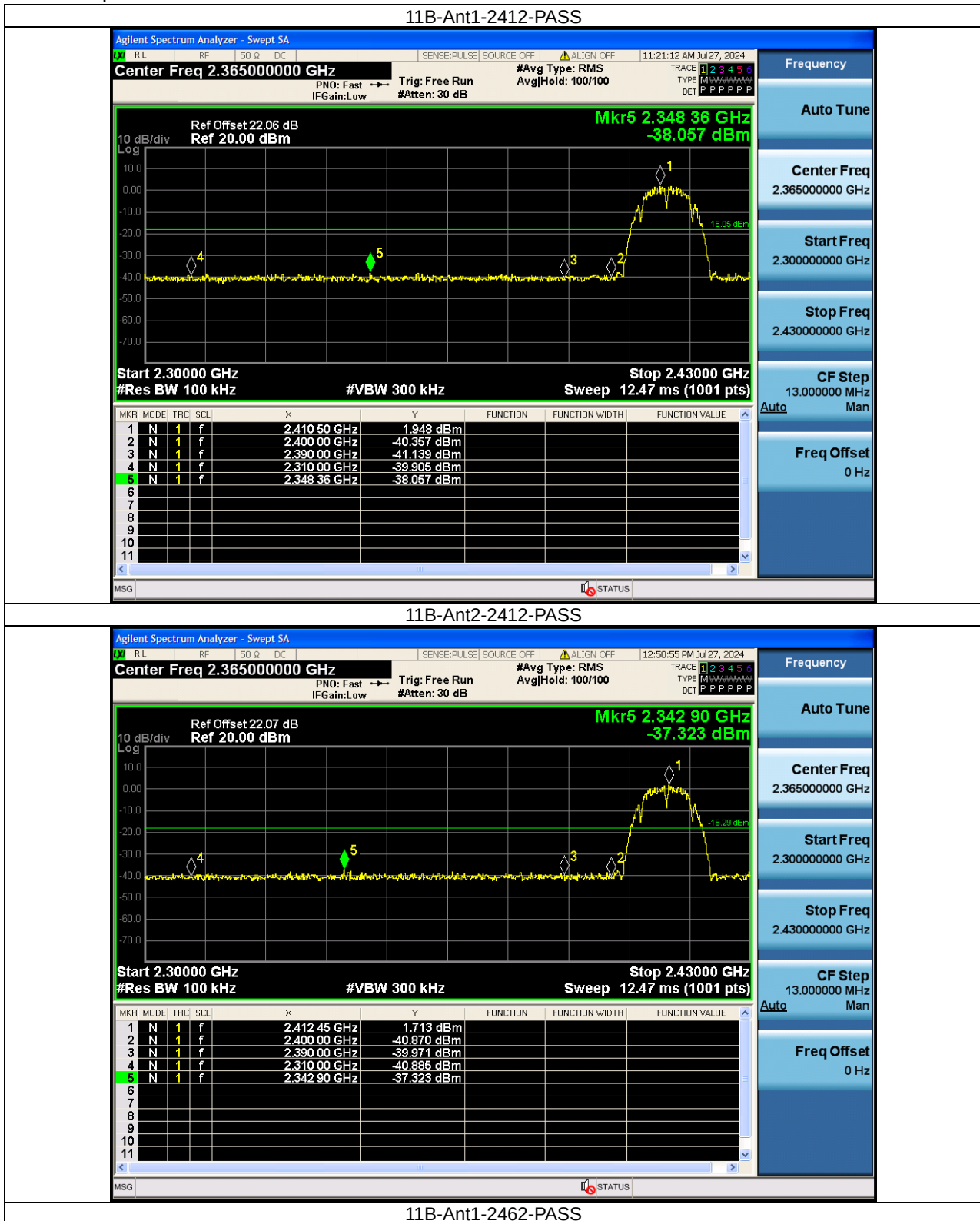


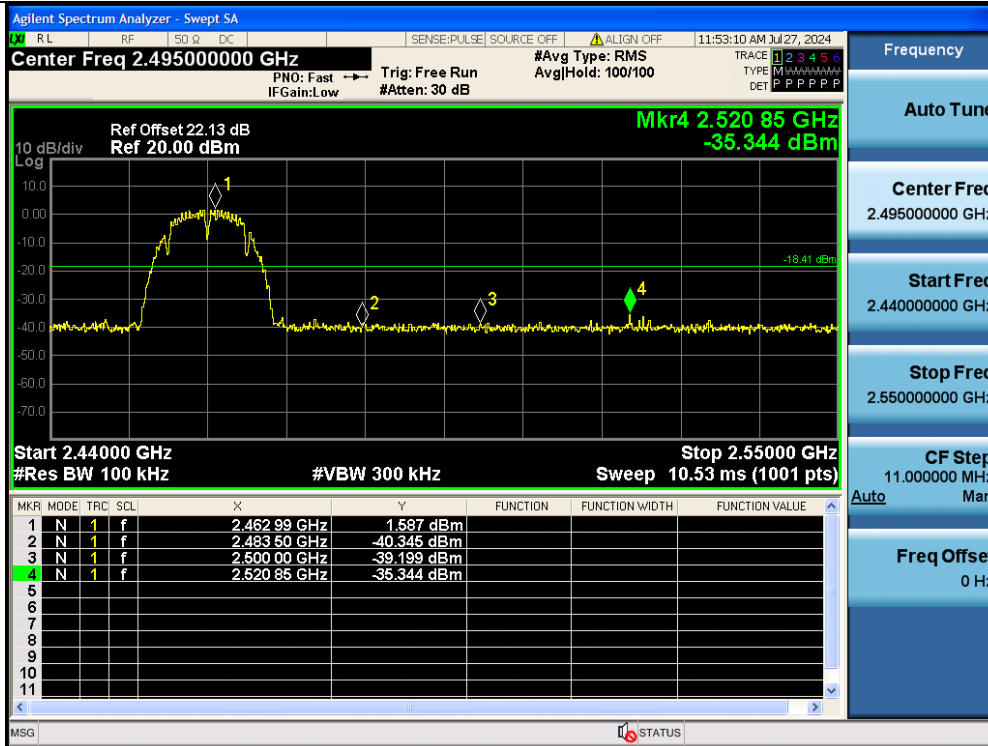
Appendix E: Band edge measurements

Test Mode	Antenna	Ch Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.95	-38.06	≤-18.05	PASS
11B	Ant2	Low	2412	1.71	-37.32	≤-18.29	PASS
11B	Ant1	High	2462	1.59	-35.34	≤-18.41	PASS
11B	Ant2	High	2462	1.25	-36.42	≤-18.75	PASS
11G	Ant1	Low	2412	0.09	-37.95	≤-19.92	PASS
11G	Ant2	Low	2412	-0.70	-36.93	≤-20.7	PASS
11G	Ant1	High	2462	-0.60	-35.55	≤-20.6	PASS
11G	Ant2	High	2462	0.08	-37.47	≤-19.92	PASS
11N20MIMO	Ant1	Low	2412	-0.21	-37.4	≤-20.21	PASS
11N20MIMO	Ant2	Low	2412	-1.24	-37.84	≤-21.24	PASS
11N20MIMO	Ant1	High	2462	-0.39	-36.44	≤-20.39	PASS
11N20MIMO	Ant2	High	2462	-1.45	-37.91	≤-21.45	PASS
11N40MIMO	Ant1	Low	2422	-8.00	-37.54	≤-28	PASS
11N40MIMO	Ant2	Low	2422	-8.68	-37.66	≤-28.68	PASS
11N40MIMO	Ant1	High	2452	-8.36	-36.85	≤-28.36	PASS
11N40MIMO	Ant2	High	2452	-8.90	-33.96	≤-28.9	PASS

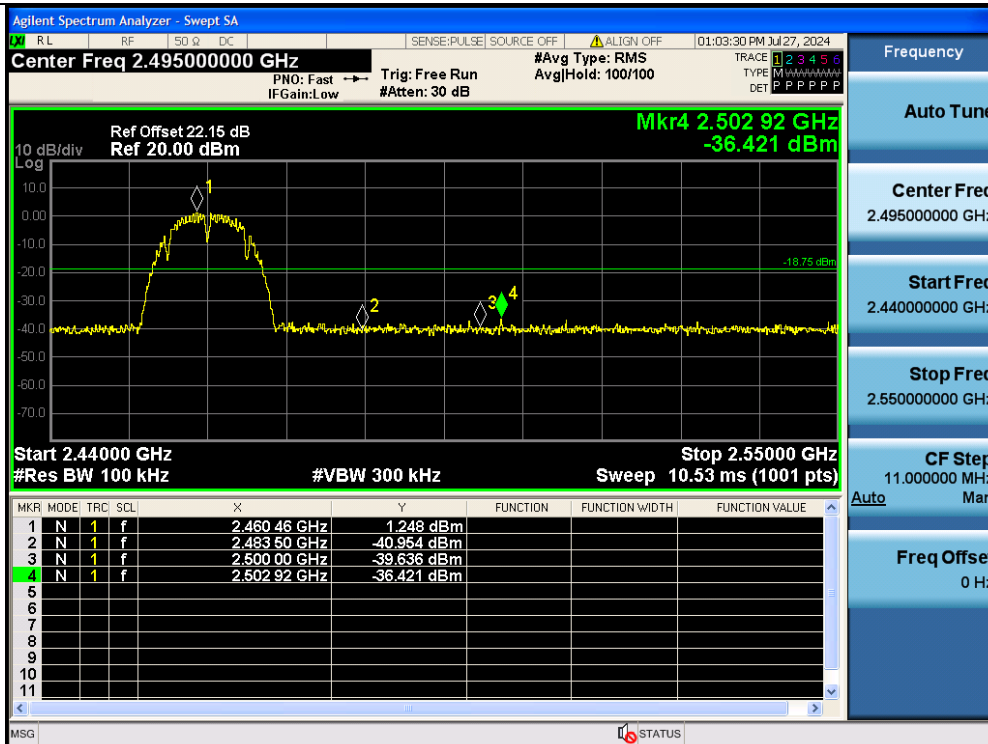
TEST REPORT

The test plots as follows:

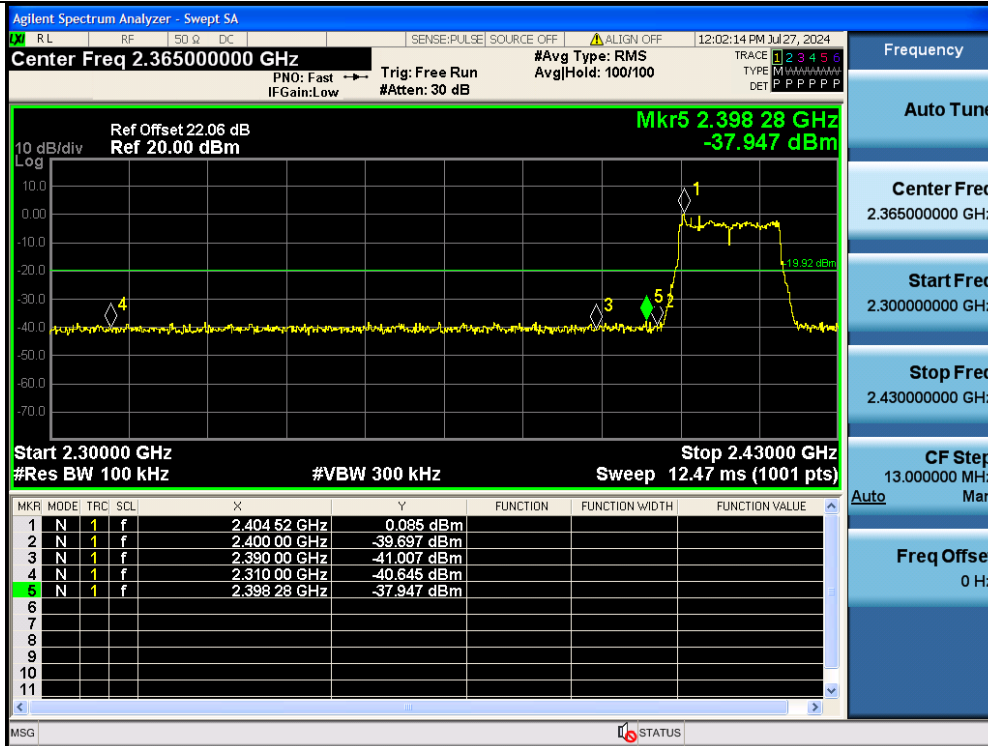




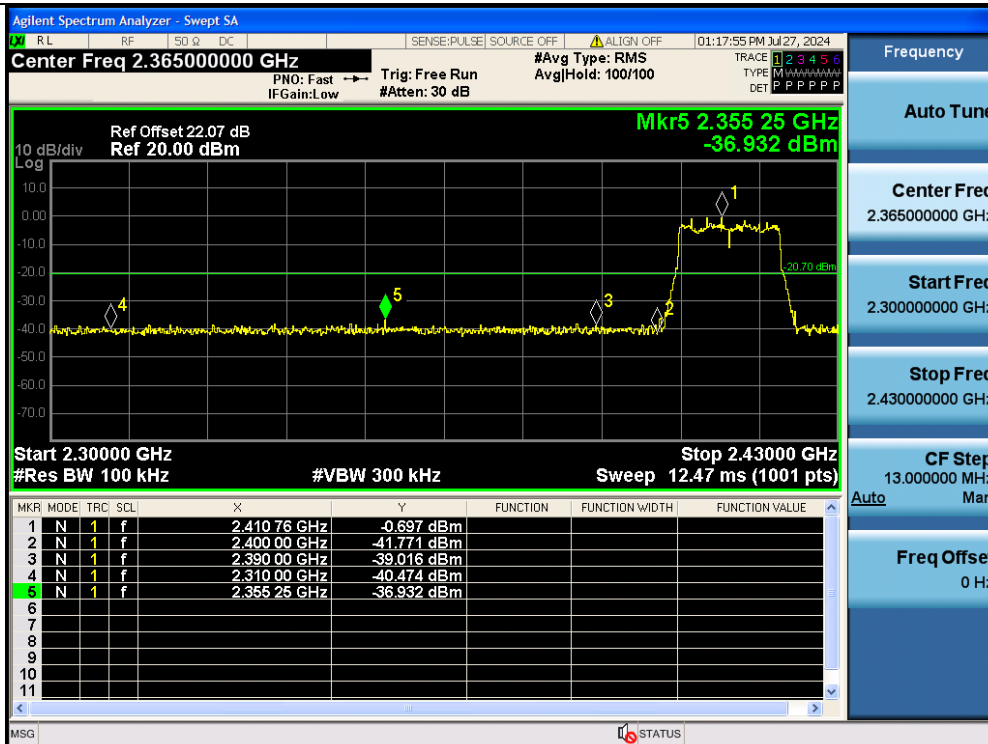
11B-Ant2-2462-PASS



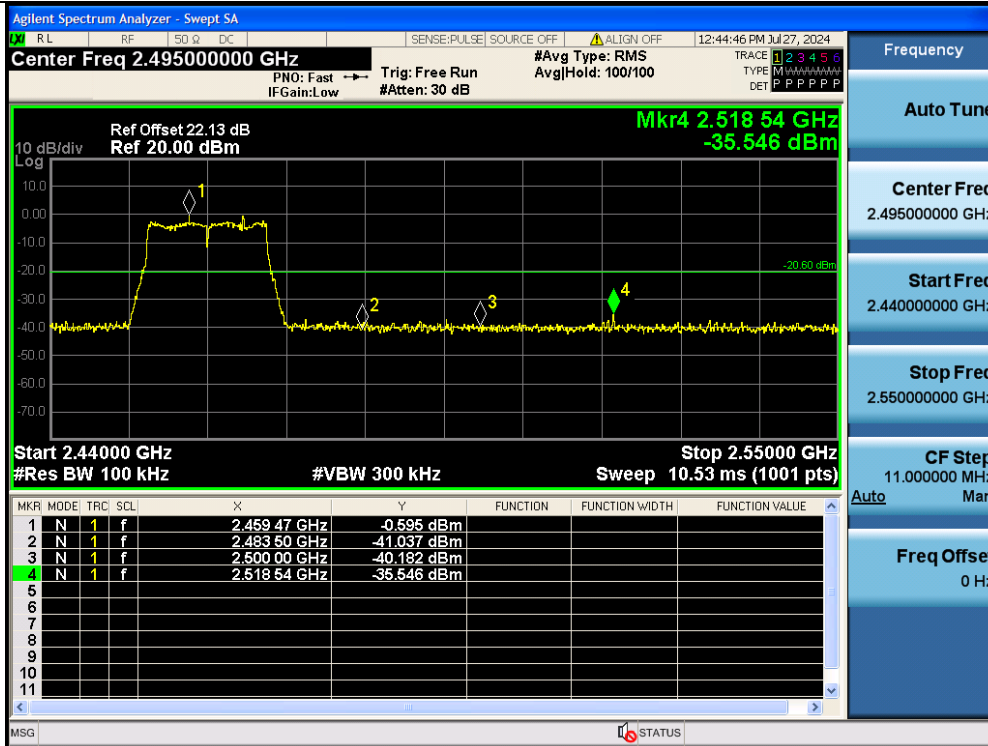
11G-Ant1-2412-PASS



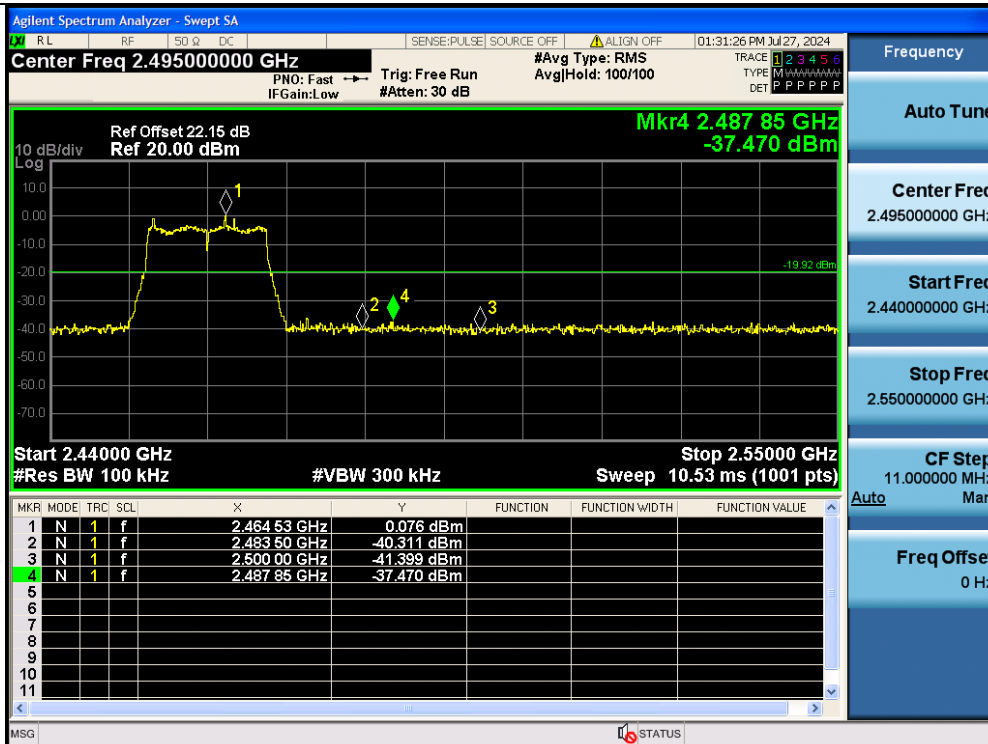
11G-Ant2-2412-PASS



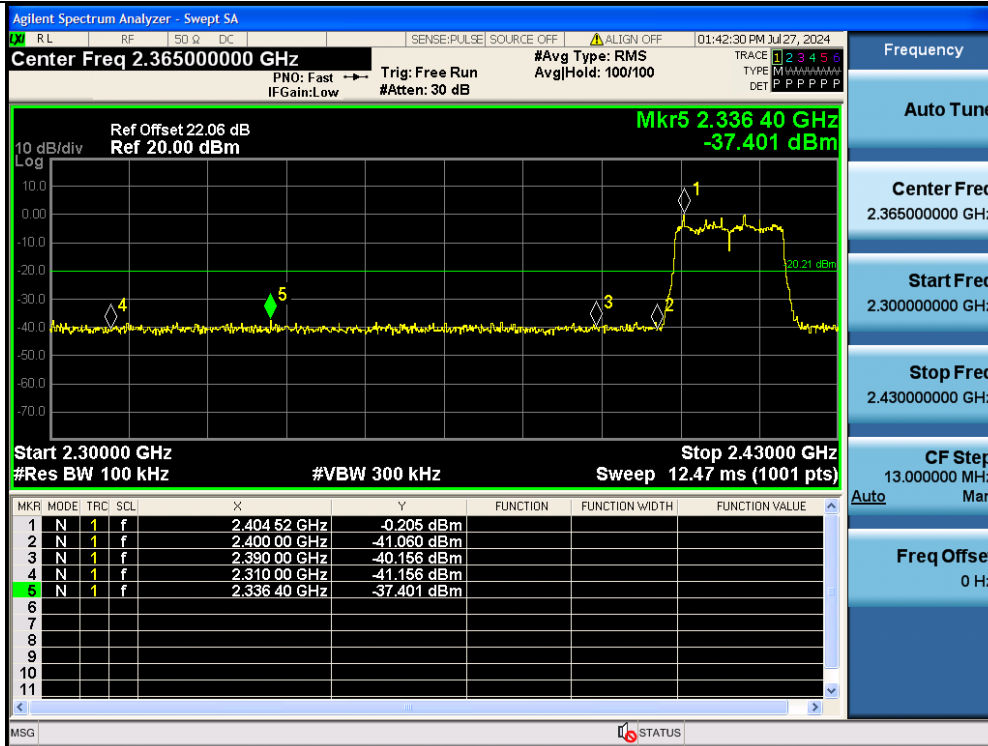
11G-Ant1-2462-PASS



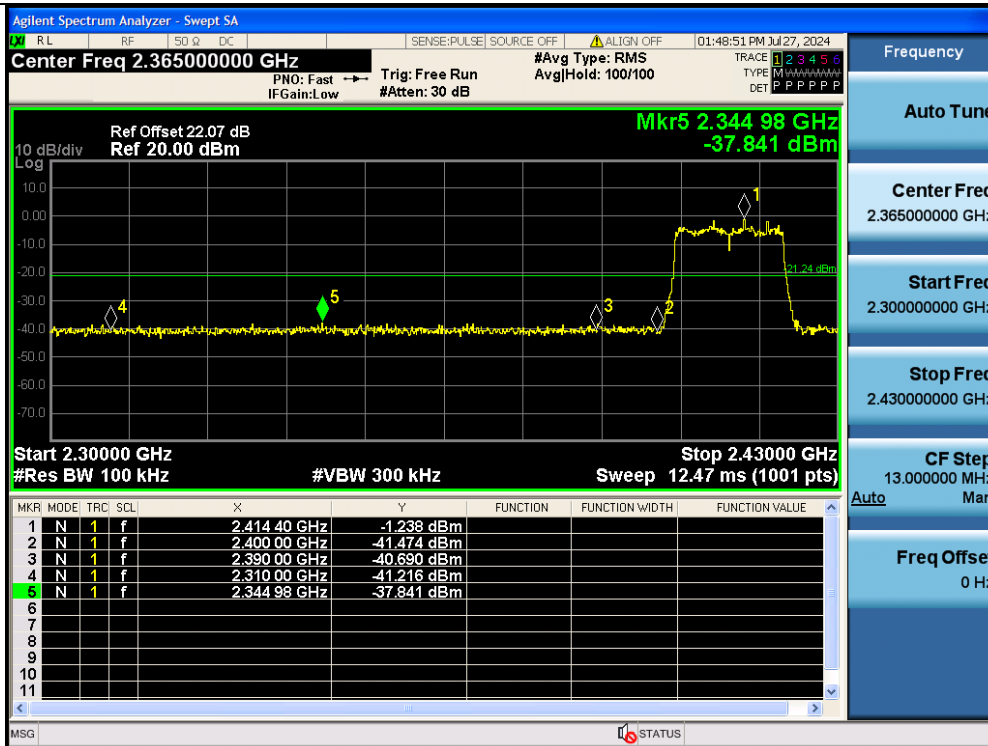
11G-Ant2-2462-PASS



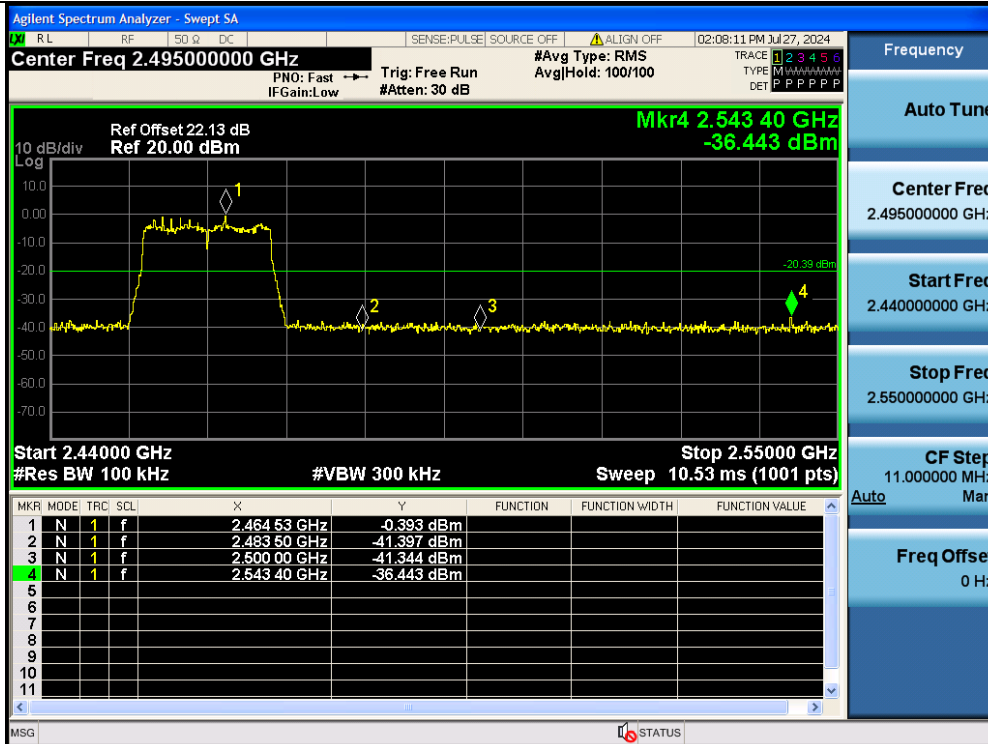
11N20MIMO-Ant1-2412-PASS



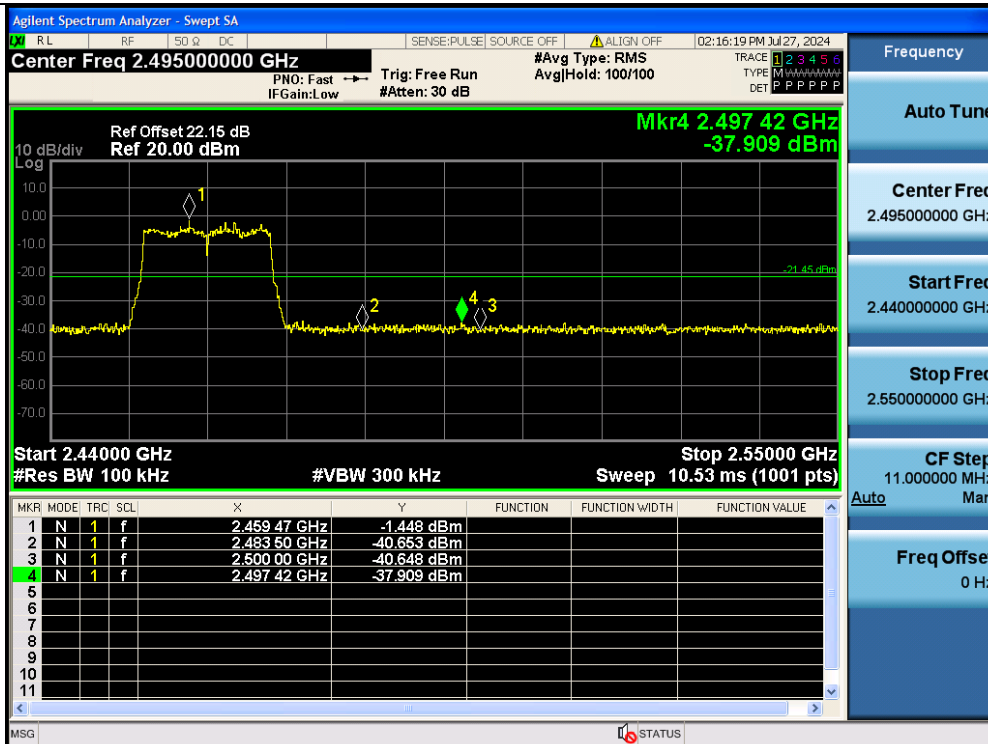
11N20MIMO-Ant2-2412-PASS



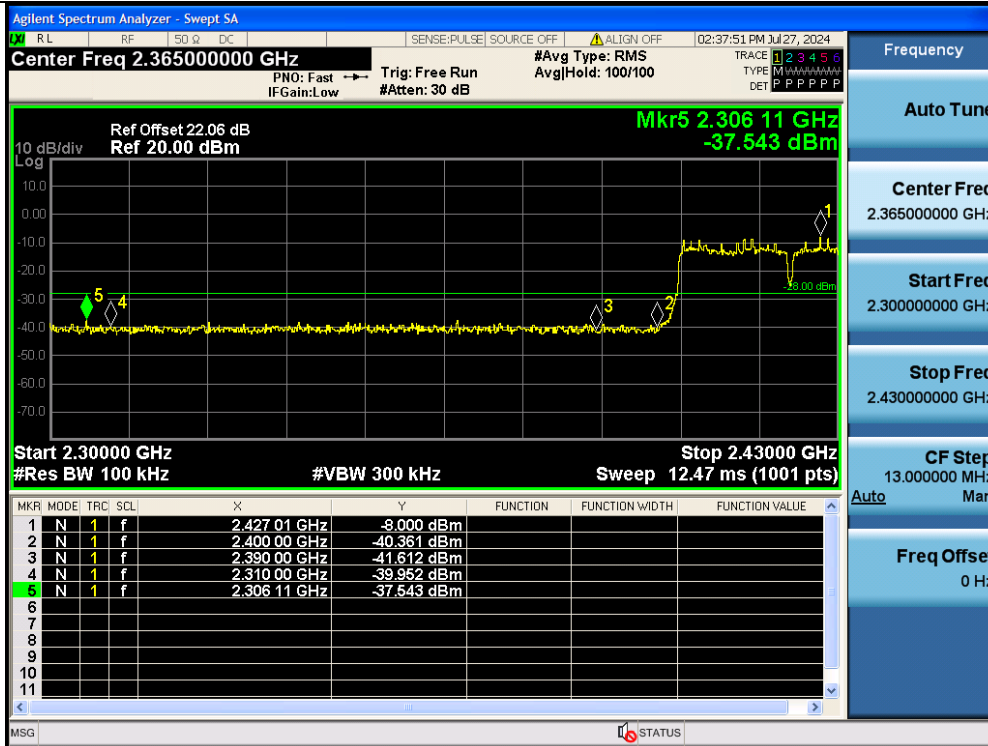
11N20MIMO-Ant1-2462-PASS



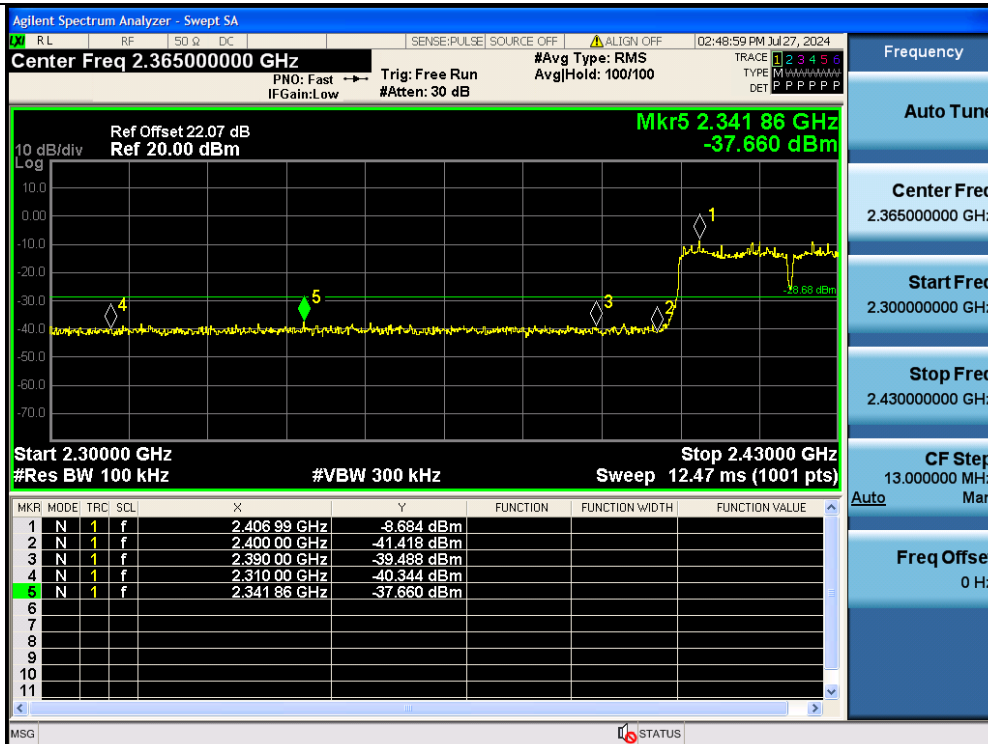
11N20MIMO-Ant2-2462-PASS



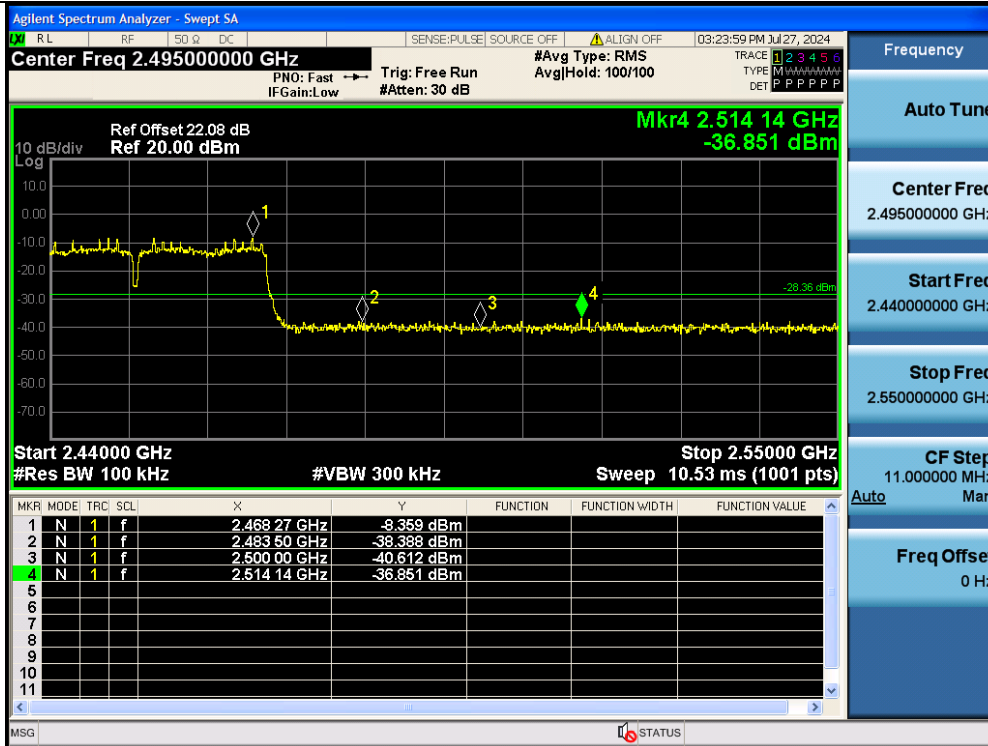
11N40MIMO-Ant1-2422-PASS



11N40MIMO-Ant2-2422-PASS



11N40MIMO-Ant1-2452-PASS



11N40MIMO-Ant2-2452-PASS

