

Appendix A: Test Results of 2.4GHz Wi-Fi

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Appendix A.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-3.68	≤8.00	PASS
	Ant2	2412	-3.37	≤8.00	PASS
	Ant1	2437	-3.41	≤8.00	PASS
	Ant2	2437	-3.03	≤8.00	PASS
	Ant1	2462	-3.97	≤8.00	PASS
	Ant2	2462	-2.77	≤8.00	PASS
11G	Ant1	2412	-5.57	≤8.00	PASS
	Ant2	2412	-5.66	≤8.00	PASS
	Ant1	2437	-5.14	≤8.00	PASS
	Ant2	2437	-5.84	≤8.00	PASS
	Ant1	2462	-5.53	≤8.00	PASS
	Ant2	2462	-4.95	≤8.00	PASS
11N20MIMO	Ant1	2412	-9.24	≤8.00	PASS
	Ant2	2412	-8.66	≤8.00	PASS
	total	2412	-5.93	≤8.00	PASS
	Ant1	2437	-8.22	≤8.00	PASS
	Ant2	2437	-7.92	≤8.00	PASS
	total	2437	-5.06	≤8.00	PASS
	Ant1	2462	-7.54	≤8.00	PASS
	Ant2	2462	-7.16	≤8.00	PASS
	total	2462	-4.34	≤8.00	PASS
11N40MIMO	Ant1	2422	-12.16	≤8.00	PASS
	Ant2	2422	-11.11	≤8.00	PASS
	total	2422	-8.59	≤8.00	PASS
	Ant1	2437	-12.76	≤8.00	PASS
	Ant2	2437	-12.45	≤8.00	PASS
	total	2437	-9.59	≤8.00	PASS
	Ant1	2452	-11.62	≤8.00	PASS
	Ant2	2452	-10.92	≤8.00	PASS
	total	2452	-8.25	≤8.00	PASS
11AX20MIMO	Ant1	2412	-8.98	≤8.00	PASS
	Ant2	2412	-7.65	≤8.00	PASS
	total	2412	-5.25	≤8.00	PASS
	Ant1	2437	-9.41	≤8.00	PASS
	Ant2	2437	-8.69	≤8.00	PASS
	total	2437	-6.02	≤8.00	PASS
	Ant1	2462	-8.44	≤8.00	PASS
	Ant2	2462	-8.68	≤8.00	PASS
	total	2462	-5.55	≤8.00	PASS
11AX40MIMO	Ant1	2422	-13.60	≤8.00	PASS
	Ant2	2422	-10.84	≤8.00	PASS
	total	2422	-8.99	≤8.00	PASS
	Ant1	2437	-13.22	≤8.00	PASS
	Ant2	2437	-13.35	≤8.00	PASS
	total	2437	-10.27	≤8.00	PASS
	Ant1	2452	-12.65	≤8.00	PASS
	Ant2	2452	-12.05	≤8.00	PASS
	total	2452	-9.33	≤8.00	PASS

11B Ant1 2412



11B Ant2 2412



11B Ant1 2437



11B_Ant2_2437



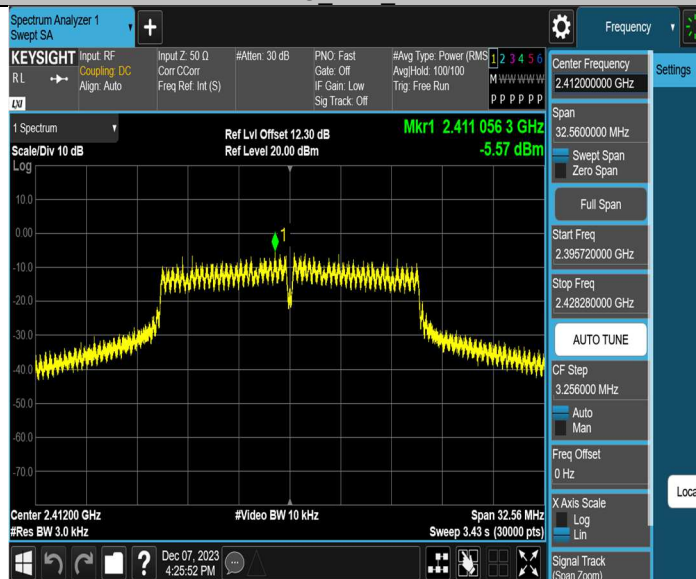
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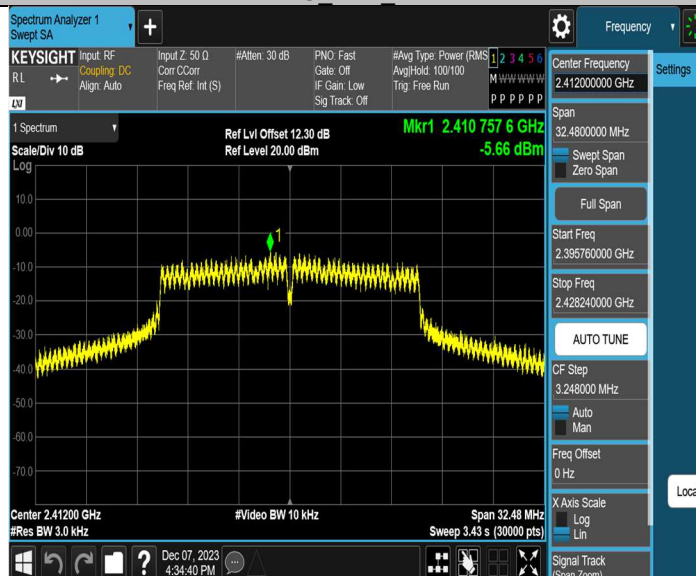
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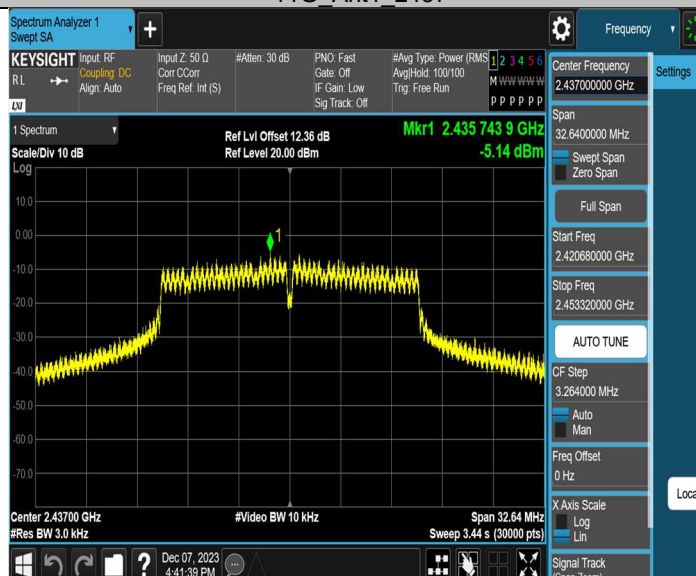
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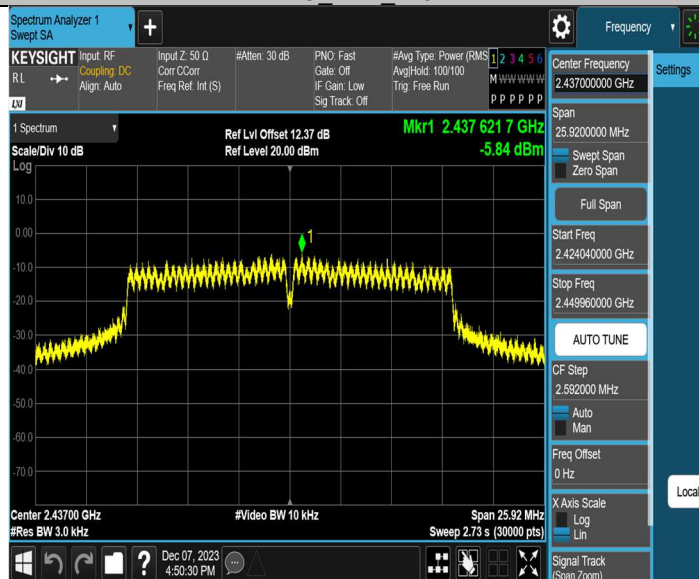
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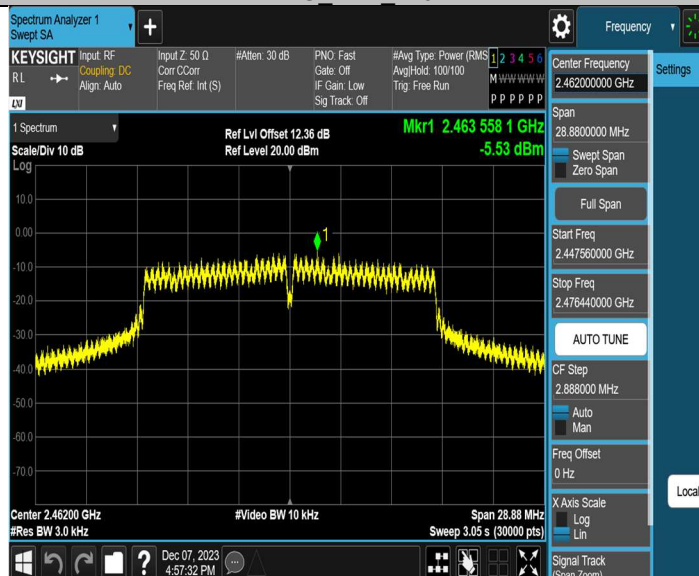
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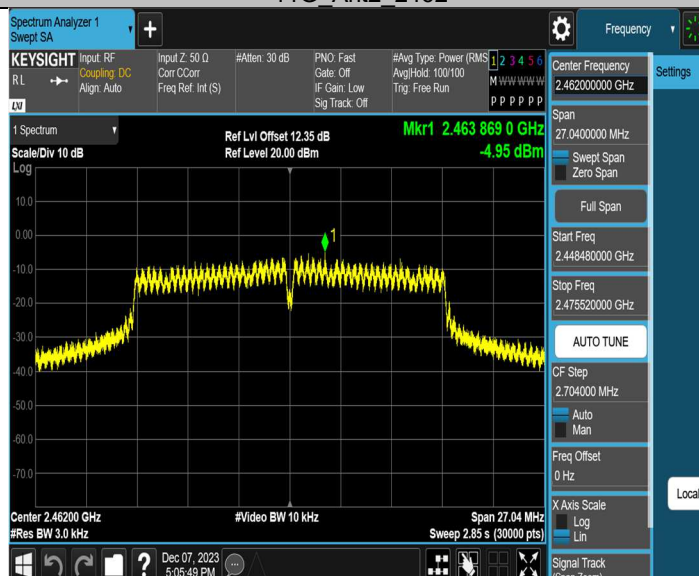
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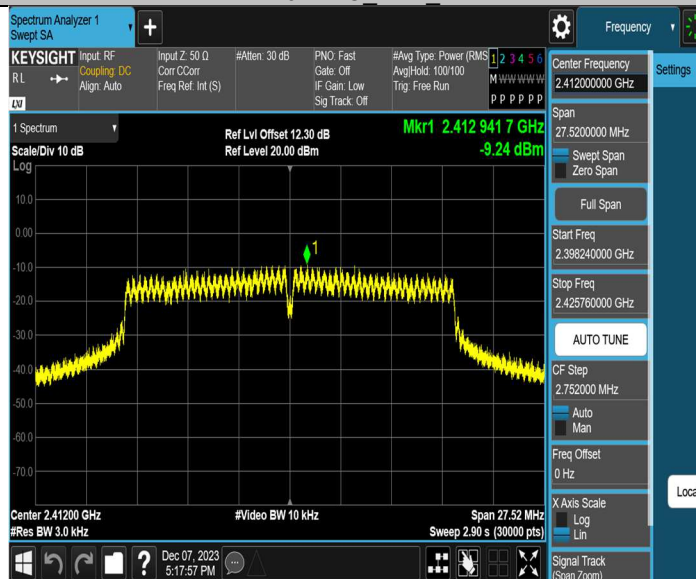
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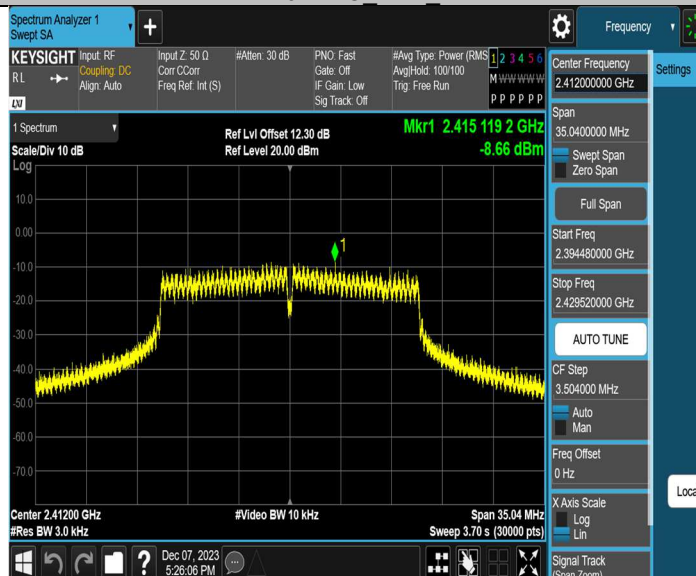
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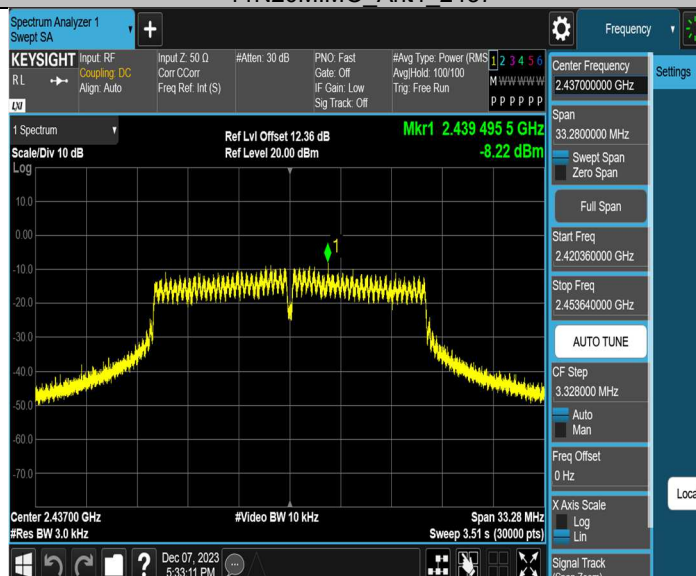
11N20MIMO Ant1 2412



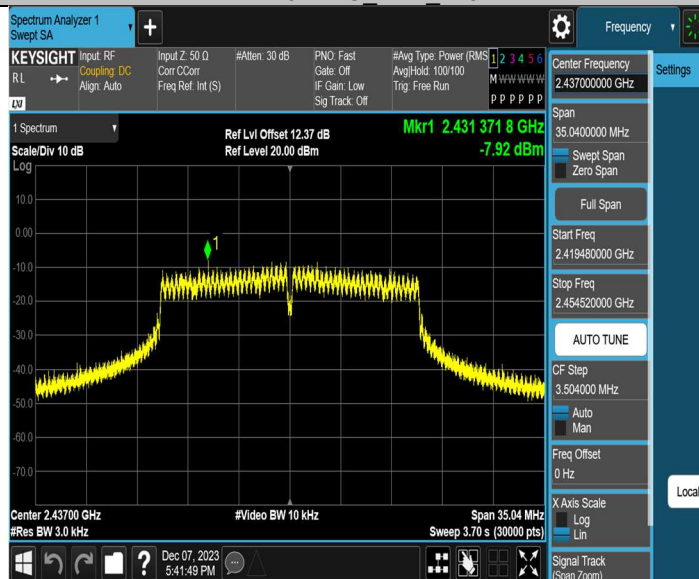
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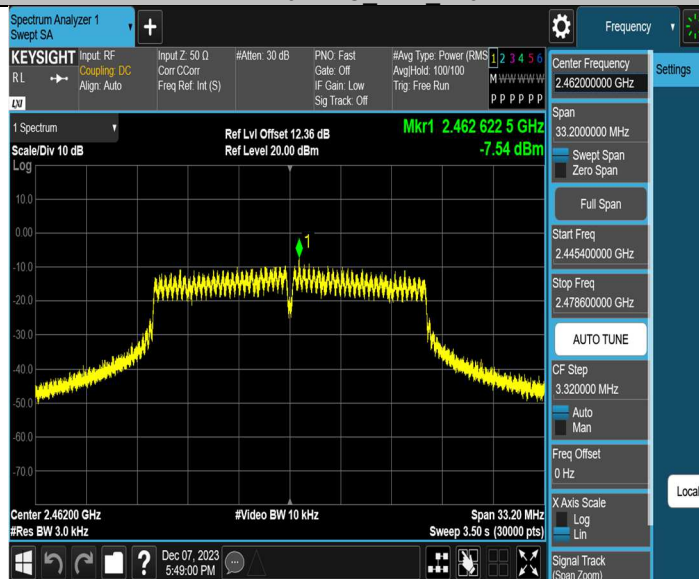
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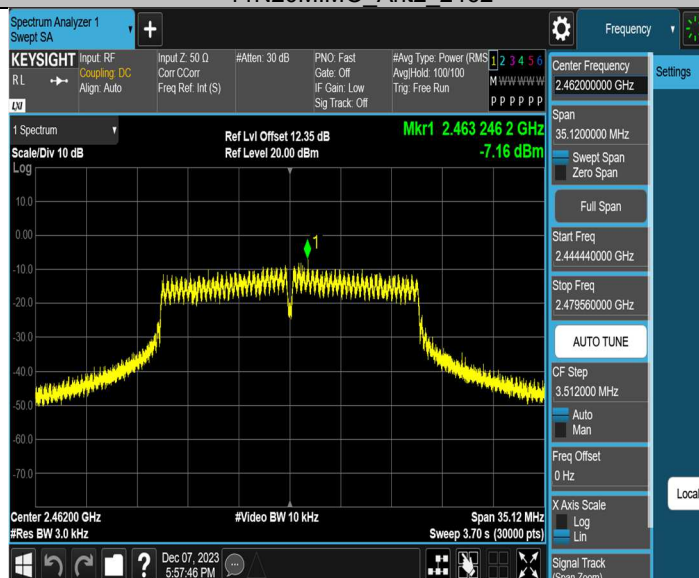
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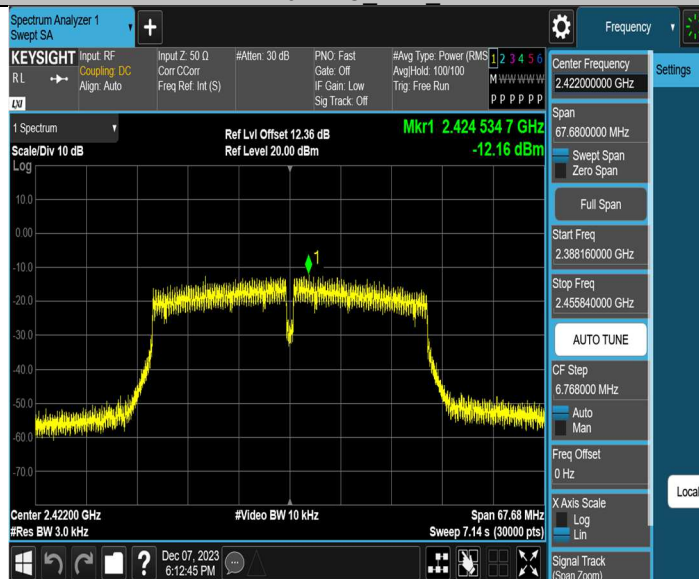
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11N20MIMO_Ant2_2462



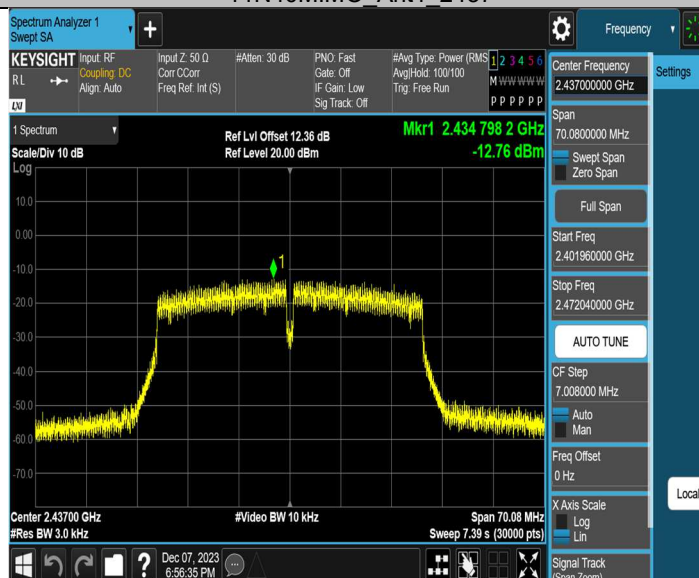
11N40MIMO Ant1 2422



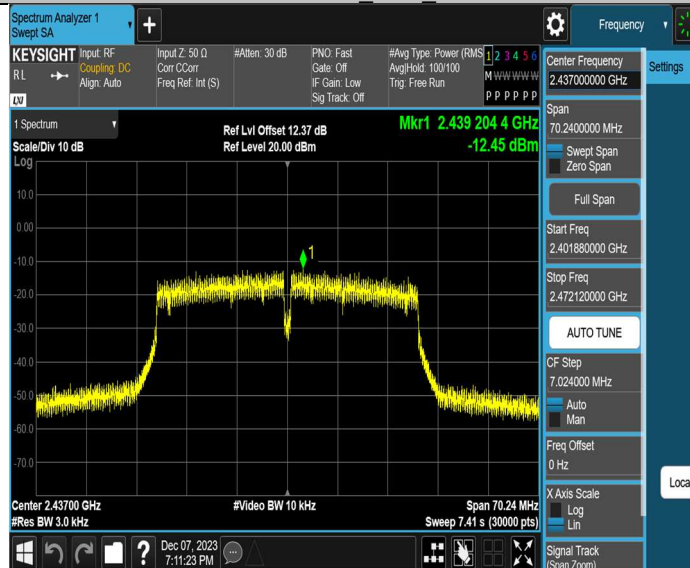
11N40MIMO Ant2 2422



11N40MIMO Ant1 2437



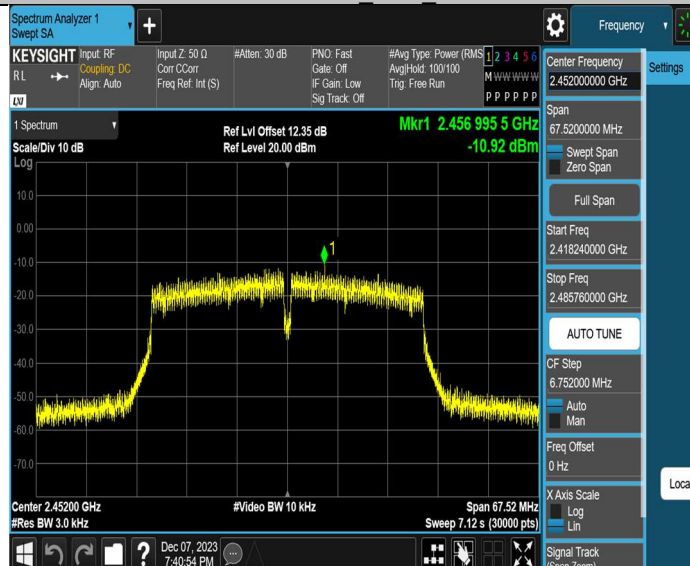
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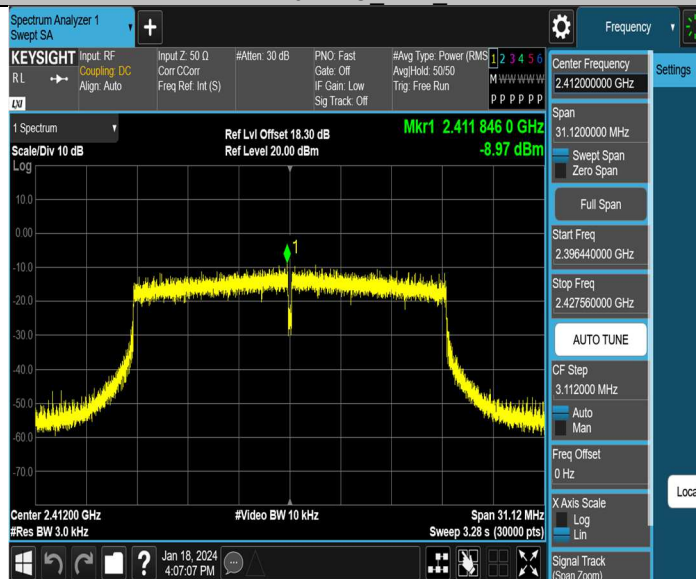
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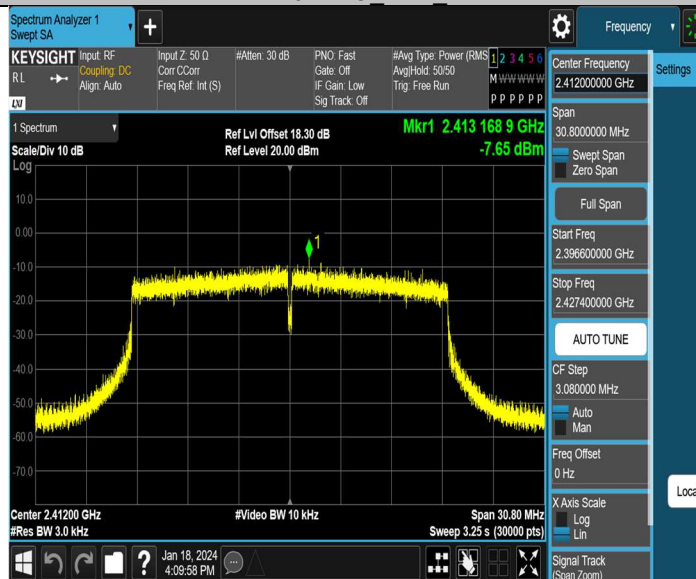
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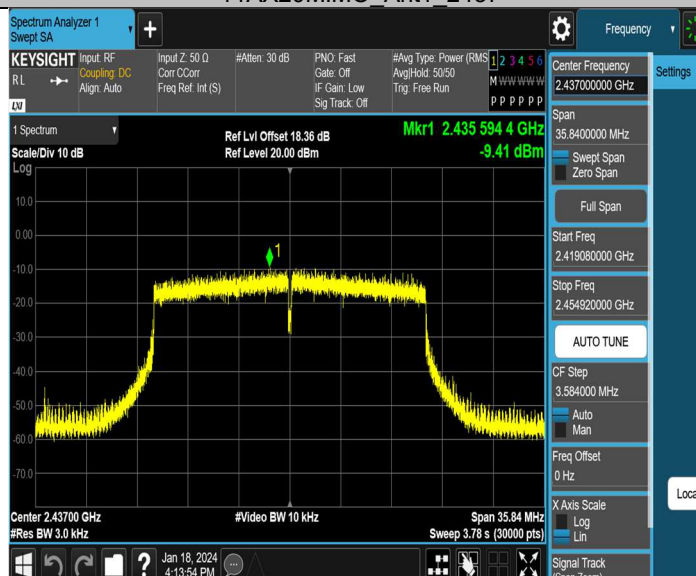
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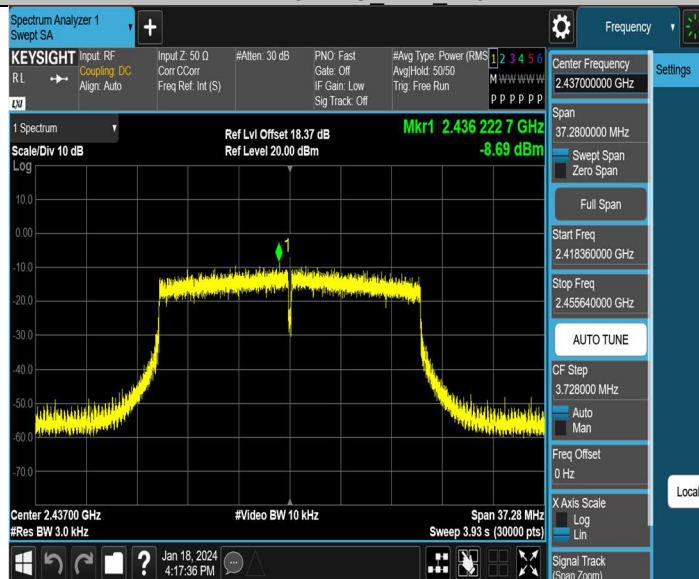
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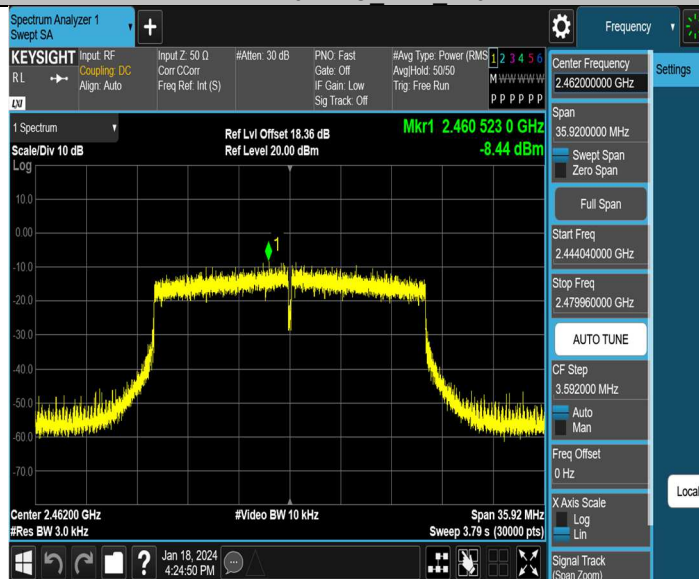
11AX20MIMO_Ant1_2437



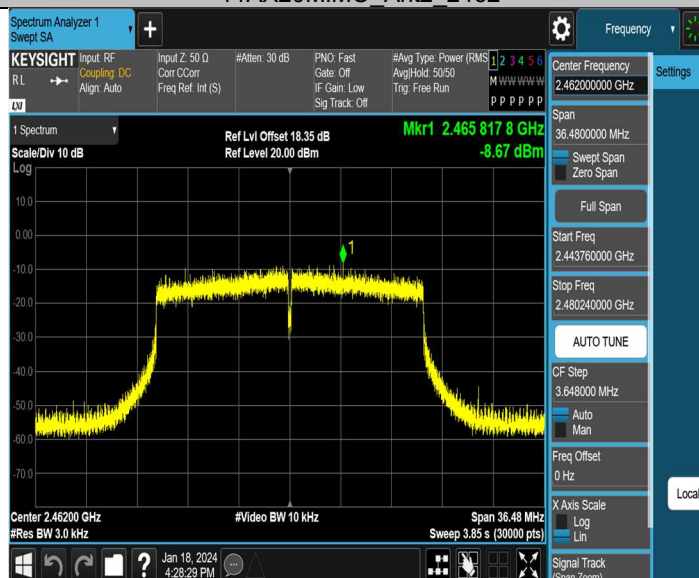
11AX20MIMO_Ant2_2437



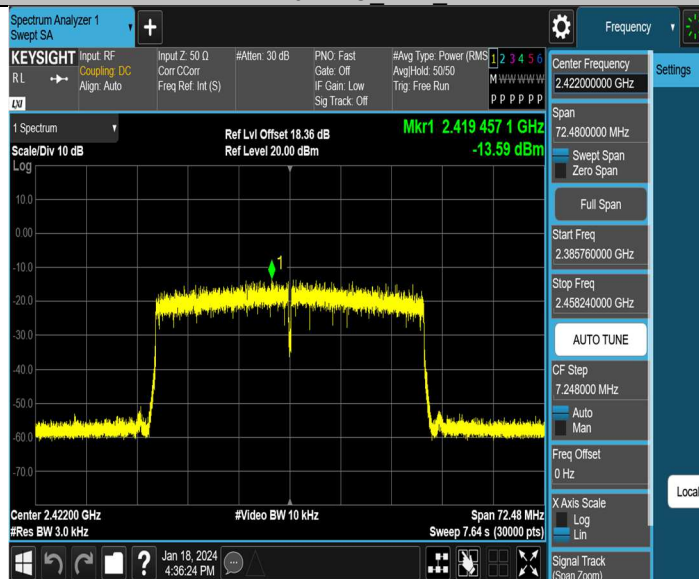
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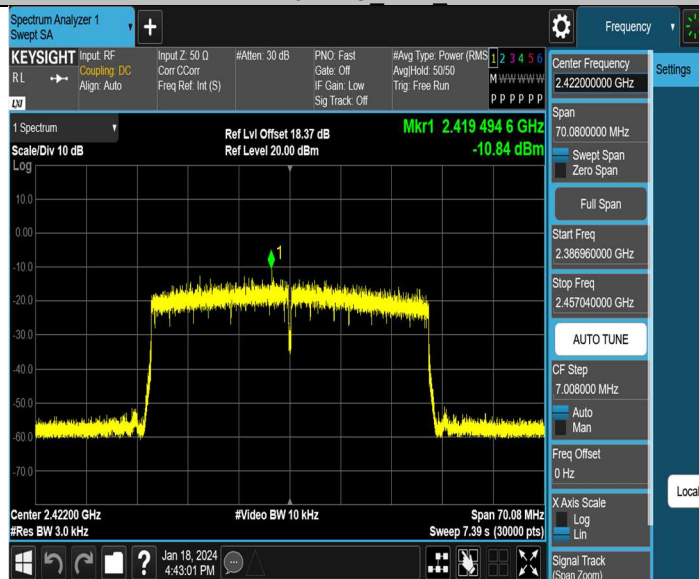
11AX20MIMO_Ant2_2462



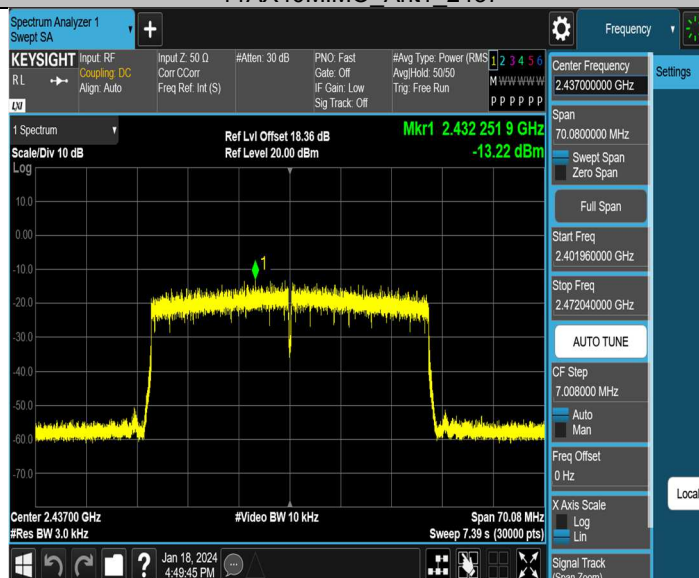
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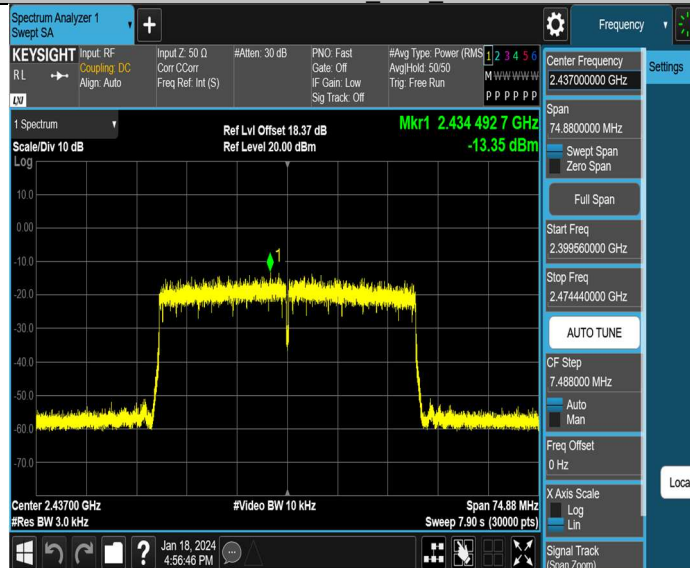
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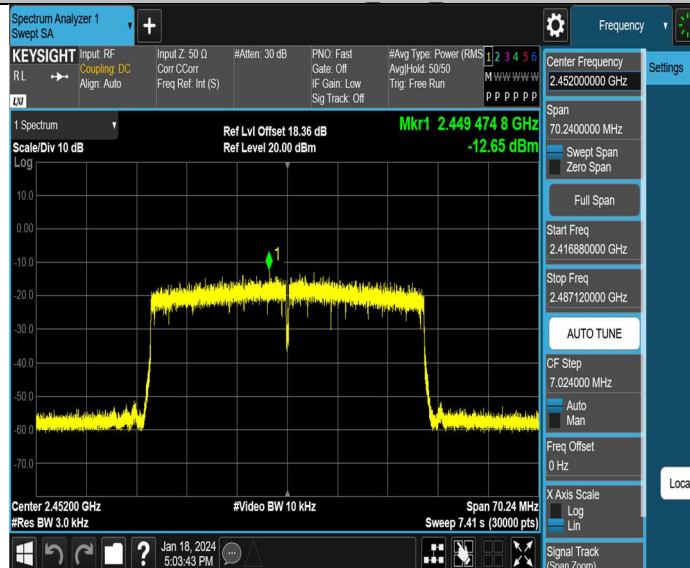
11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452



Appendix A.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	8.080	2407.960	2416.040	0.5	PASS
	Ant2	2412	8.000	2408.000	2416.000	0.5	PASS
	Ant1	2437	8.000	2433.000	2441.000	0.5	PASS
	Ant2	2437	8.040	2433.000	2441.040	0.5	PASS
	Ant1	2462	8.080	2457.960	2466.040	0.5	PASS
	Ant2	2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant1	2412	16.280	2403.880	2420.160	0.5	PASS
	Ant2	2412	16.240	2403.880	2420.120	0.5	PASS
	Ant1	2437	16.320	2428.840	2445.160	0.5	PASS
	Ant2	2437	12.960	2430.360	2443.320	0.5	PASS
	Ant1	2462	14.440	2455.120	2469.560	0.5	PASS
	Ant2	2462	13.520	2456.040	2469.560	0.5	PASS
11N20MIMO	Ant1	2412	13.760	2404.760	2418.520	0.5	PASS
	Ant2	2412	17.520	2403.240	2420.760	0.5	PASS
	Ant1	2437	16.640	2428.480	2445.120	0.5	PASS
	Ant2	2437	17.520	2428.240	2445.760	0.5	PASS
	Ant1	2462	16.600	2453.520	2470.120	0.5	PASS
	Ant2	2462	17.560	2453.240	2470.800	0.5	PASS
11N40MIMO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
	Ant2	2422	33.760	2404.480	2438.240	0.5	PASS
	Ant1	2437	35.040	2419.480	2454.520	0.5	PASS
	Ant2	2437	35.120	2419.400	2454.520	0.5	PASS
	Ant1	2452	33.760	2434.480	2468.240	0.5	PASS
	Ant2	2452	33.760	2434.480	2468.240	0.5	PASS
11AX20MIMO	Ant1	2412	15.560	2404.240	2419.800	0.5	PASS
	Ant2	2412	15.400	2403.120	2418.520	0.5	PASS
	Ant1	2437	17.920	2428.280	2446.200	0.5	PASS
	Ant2	2437	18.640	2427.720	2446.360	0.5	PASS
	Ant1	2462	17.960	2452.720	2470.680	0.5	PASS
	Ant2	2462	18.240	2453.200	2471.440	0.5	PASS
11AX40MIMO	Ant1	2422	36.240	2403.280	2439.520	0.5	PASS
	Ant2	2422	35.040	2404.480	2439.520	0.5	PASS
	Ant1	2437	35.040	2419.480	2454.520	0.5	PASS
	Ant2	2437	37.440	2418.280	2455.720	0.5	PASS
	Ant1	2452	35.120	2434.480	2469.600	0.5	PASS
	Ant2	2452	36.320	2434.480	2470.800	0.5	PASS

11B Ant1 2412



11B Ant2 2412



11B Ant1 2437









11N20MIMO Ant1 2412



11N20MIMO Ant2 2412



11N20MIMO Ant1 2437

