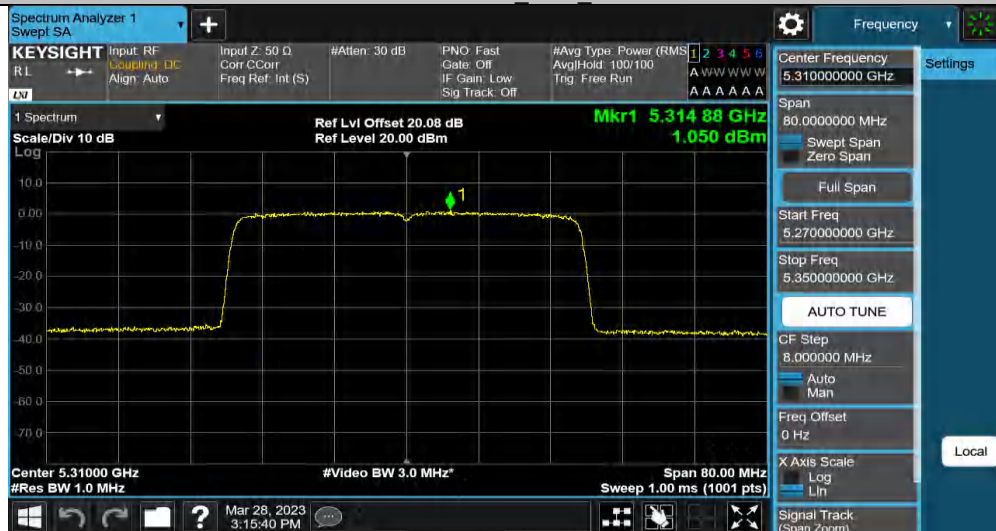




11AX40MIMO_Ant0_5310



11AX40MIMO_Ant1_5310



11AX40MIMO_Ant0_5510



11AX40MIMO_Ant1 5510



11AX40MIMO_Ant0 5550



11AX40MIMO_Ant1 5550



11AX40MIMO_Ant0_5670



11AX40MIMO_Ant1_5670



11AX40MIMO_Ant0_5755



11AX40MIMO_Ant1_5755



11AX40MIMO_Ant0_5795



11AX40MIMO_Ant1_5795



11AX80MIMO_Ant0_5210



11AX80MIMO_Ant1_5210



11AX80MIMO_Ant0_5290



11AX80MIMO_Ant1 5290



11AX80MIMO_Ant0 5530



11AX80MIMO_Ant1 5530



11AX80MIMO_Ant0_5610



11AX80MIMO_Ant1_5610





Appendix A.3: Test Results of Frequency Stability

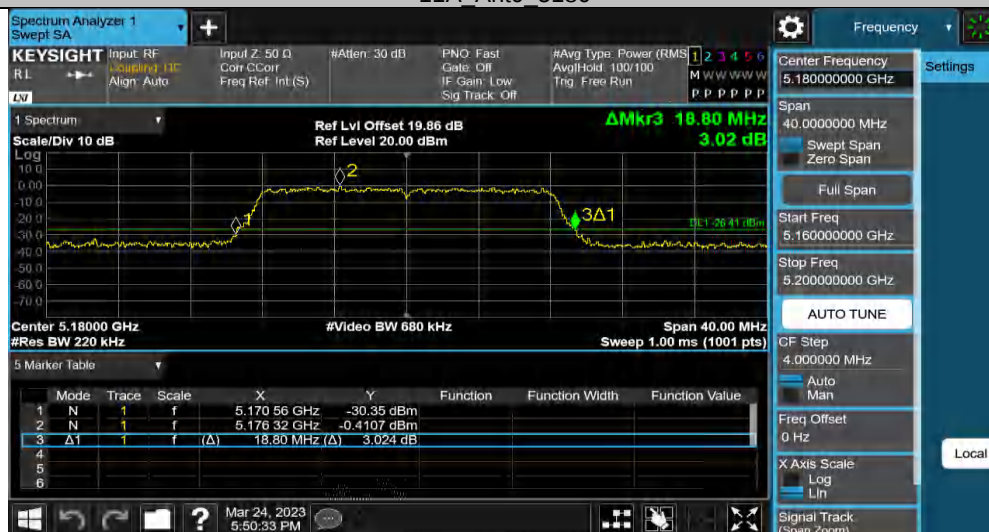
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20SISO	Ant0	5180	NV	NT	14000.00	2.702703	20	PASS
		5200	NV	NT	10500.00	2.019231	20	PASS
		5240	NV	NT	11000.00	2.099237	20	PASS
		5260	NV	NT	10500.00	1.996198	20	PASS
		5280	NV	NT	10000.00	1.893939	20	PASS
		5320	NV	NT	10500.00	1.973684	20	PASS
		5500	NV	NT	10500.00	1.909091	20	PASS
		5580	NV	NT	10500.00	1.881720	20	PASS
		5700	NV	NT	11000.00	1.929825	20	PASS
		5720	NV	NT	10500.00	1.835664	20	PASS
		5745	NV	NT	11000.00	1.914708	20	PASS
		5785	NV	NT	10500.00	1.815039	20	PASS
		5825	NV	NT	11000.00	1.888412	20	PASS
11AX40SISO	Ant0	5190	NV	NT	9500.00	1.830443	20	PASS
		5230	NV	NT	10000.00	1.912046	20	PASS
		5270	NV	NT	9500.00	1.802657	20	PASS
		5310	NV	NT	10000.00	1.883239	20	PASS
		5510	NV	NT	10500.00	1.905626	20	PASS
		5550	NV	NT	10500.00	1.891892	20	PASS
		5670	NV	NT	10500.00	1.851852	20	PASS
		5710	NV	NT	10500.00	1.838879	20	PASS
		5755	NV	NT	10500.00	1.824500	20	PASS
11AX80SISO	Ant0	5795	NV	NT	11000.00	1.898188	20	PASS
		5210	NV	NT	9500.00	1.823417	20	PASS
		5290	NV	NT	10000.00	1.890359	20	PASS
		5530	NV	NT	10500.00	1.898734	20	PASS
		5610	NV	NT	10500.00	1.871658	20	PASS
		5690	NV	NT	10500.00	1.845343	20	PASS
		5775	NV	NT	11000.00	1.904762	20	PASS

Appendix A.4: Test Results of 26dB Bandwidth

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	18.800	5170.560	5189.360	---	PASS
		5200	18.360	5190.960	5209.320	---	PASS
		5240	18.600	5230.800	5249.400	---	PASS
		5260	18.360	5250.920	5269.280	---	PASS
		5280	18.480	5270.920	5289.400	---	PASS
		5320	18.560	5310.800	5329.360	---	PASS
		5500	18.480	5490.880	5509.360	---	PASS
		5580	18.480	5570.800	5589.280	---	PASS
		5700	18.680	5690.800	5709.480	---	PASS
		5745	18.400	5735.800	5754.200	---	PASS
		5785	18.360	5775.880	5794.240	---	PASS
		5825	18.560	5815.800	5834.360	---	PASS
11N20MIMO	Ant0	5180	19.320	5170.440	5189.760	---	PASS
		5200	19.400	5190.400	5209.800	---	PASS
		5240	19.400	5230.360	5249.760	---	PASS
		5260	19.320	5250.400	5269.720	---	PASS
		5280	19.240	5270.520	5289.760	---	PASS
		5320	19.400	5310.360	5329.760	---	PASS
		5500	19.360	5490.360	5509.720	---	PASS
		5580	19.400	5570.360	5589.760	---	PASS
		5700	19.480	5690.320	5709.800	---	PASS
		5745	19.360	5735.280	5754.640	---	PASS
		5785	19.360	5775.320	5794.680	---	PASS
		5825	19.400	5815.280	5834.680	---	PASS
11N40MIMO	Ant0	5190	39.200	5170.480	5209.680	---	PASS
		5230	39.200	5210.320	5249.520	---	PASS
		5270	38.960	5250.560	5289.520	---	PASS
		5310	38.800	5290.560	5329.360	---	PASS
		5510	39.200	5490.480	5529.680	---	PASS
		5550	39.120	5530.480	5569.600	---	PASS
		5670	38.960	5650.560	5689.520	---	PASS
		5755	39.200	5735.480	5774.680	---	PASS
11AC20MIMO	Ant0	5180	19.400	5170.240	5189.640	---	PASS
		5200	19.440	5190.320	5209.760	---	PASS
		5240	19.320	5230.400	5249.720	---	PASS
		5260	19.520	5250.280	5269.800	---	PASS
		5280	19.480	5270.320	5289.800	---	PASS
		5320	19.360	5310.400	5329.760	---	PASS
		5500	19.400	5490.320	5509.720	---	PASS
		5580	19.560	5570.200	5589.760	---	PASS
		5700	19.440	5690.280	5709.720	---	PASS
		5745	19.560	5735.240	5754.800	---	PASS
		5785	19.360	5775.360	5794.720	---	PASS
		5825	19.360	5815.400	5834.760	---	PASS
11AC40MIMO	Ant0	5190	39.280	5170.480	5209.760	---	PASS
		5230	39.120	5210.400	5249.520	---	PASS
		5270	39.200	5250.400	5289.600	---	PASS
		5310	39.200	5290.400	5329.600	---	PASS
		5510	39.120	5490.480	5529.600	---	PASS
		5550	38.960	5530.400	5569.360	---	PASS
		5670	39.040	5650.480	5689.520	---	PASS
		5755	39.440	5735.240	5774.680	---	PASS
11AC80MIMO	Ant0	5795	39.120	5775.480	5814.600	---	PASS
		5210	89.280	5165.520	5254.800	---	PASS
		5290	88.000	5246.320	5334.320	---	PASS
		5530	88.320	5486.480	5574.800	---	PASS
		5610	87.040	5566.480	5653.520	---	PASS

		5775	87.680	5731.480	5819.160	---	PASS
11AX20MIMO	Ant0	5180	20.280	5169.760	5190.040	---	PASS
		5200	20.480	5189.880	5210.360	---	PASS
		5240	20.400	5229.760	5250.160	---	PASS
		5260	20.440	5249.880	5270.320	---	PASS
		5280	20.280	5269.880	5290.160	---	PASS
		5320	20.360	5309.840	5330.200	---	PASS
		5500	20.240	5490.000	5510.240	---	PASS
		5580	20.360	5569.840	5590.200	---	PASS
		5700	20.280	5689.920	5710.200	---	PASS
		5745	20.280	5734.880	5755.160	---	PASS
		5785	20.440	5774.800	5795.240	---	PASS
11AX40MIMO	Ant0	5825	20.600	5814.720	5835.320	---	PASS
		5190	39.840	5170.160	5210.000	---	PASS
		5230	39.680	5210.240	5249.920	---	PASS
		5270	39.760	5250.240	5290.000	---	PASS
		5310	39.680	5290.240	5329.920	---	PASS
		5510	39.680	5490.240	5529.920	---	PASS
		5550	39.760	5530.160	5569.920	---	PASS
		5670	39.760	5650.160	5689.920	---	PASS
		5755	39.760	5735.160	5774.920	---	PASS
11AX80MIMO	Ant0	5795	39.840	5775.160	5815.000	---	PASS
		5210	83.680	5167.440	5251.120	---	PASS
		5290	81.120	5249.360	5330.480	---	PASS
		5530	81.600	5489.360	5570.960	---	PASS
		5610	82.240	5568.880	5651.120	---	PASS
		5775	81.440	5734.040	5815.480	---	PASS

11A_Ant0_5180



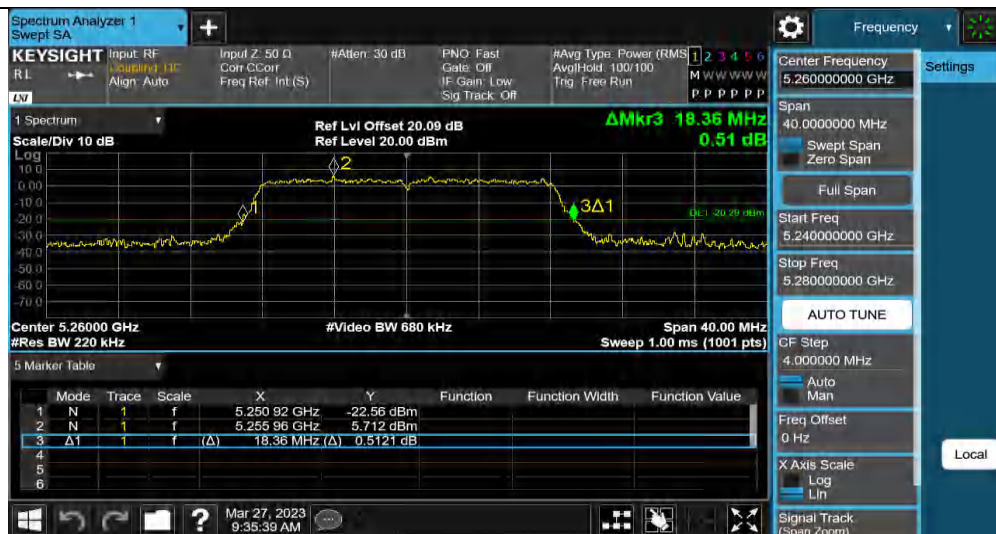
11A_Ant0_5200



11A_Ant0_5240



11A_Ant0_5260



11A Ant0 5280



11A Ant0 5320



11A Ant0 5500



11A_Ant0_5580



11A_Ant0_5700



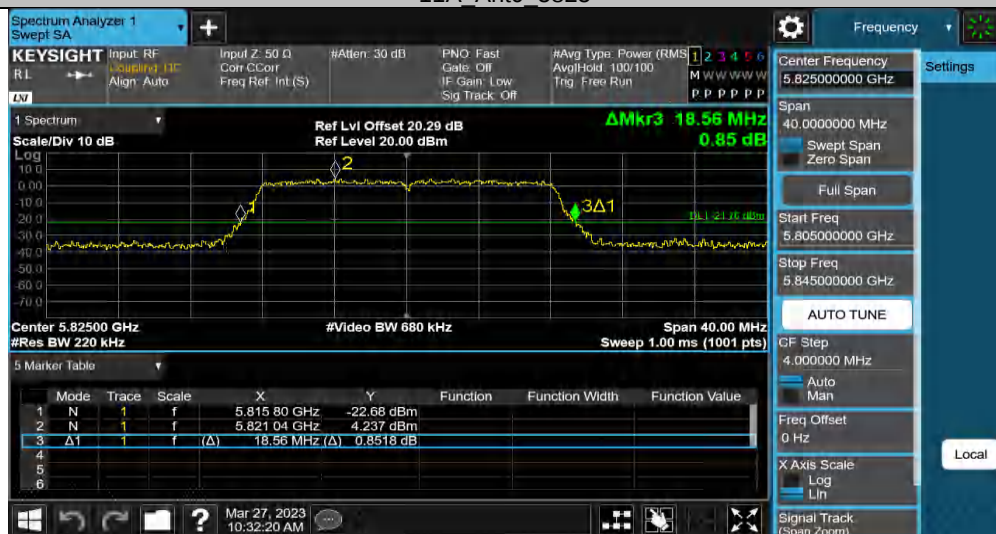
11A_Ant0_5745



11A Ant0 5785



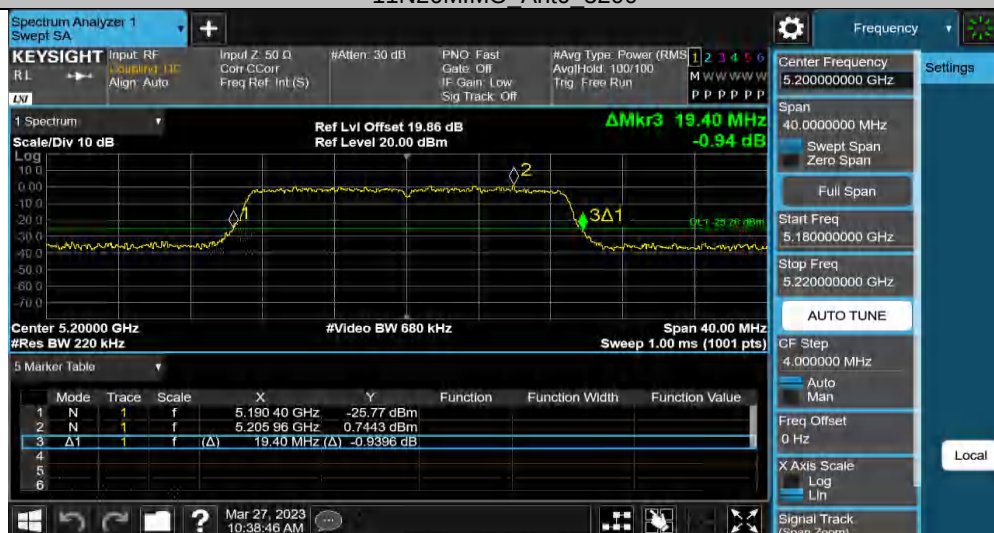
11A Ant0 5825



11N20MIMO Ant0 5180



11N20MIMO Ant0 5200



11N20MIMO Ant0 5240



11N20MIMO Ant0 5260



11N20MIMO Ant0 5280



11N20MIMO Ant0 5320



11N20MIMO Ant0 5500



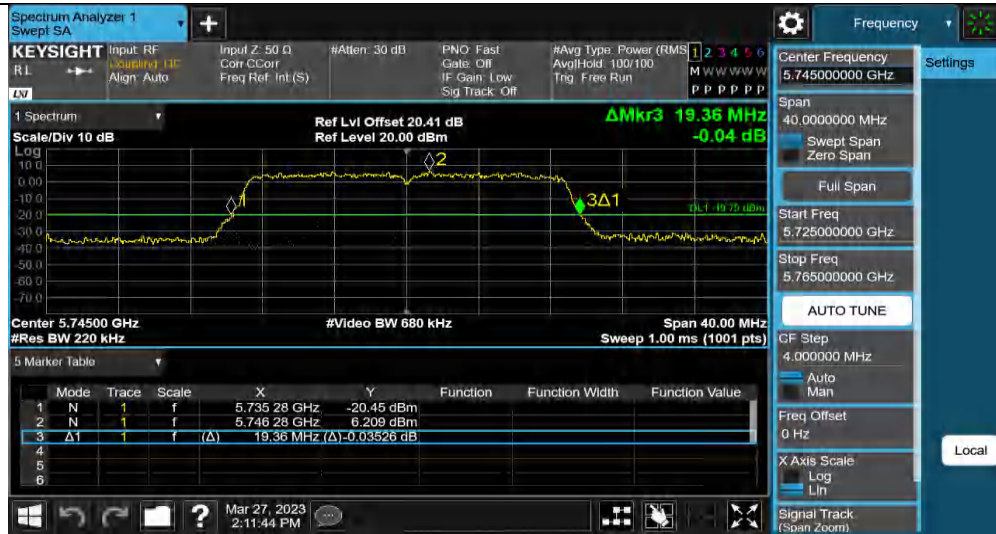
11N20MIMO Ant0 5580



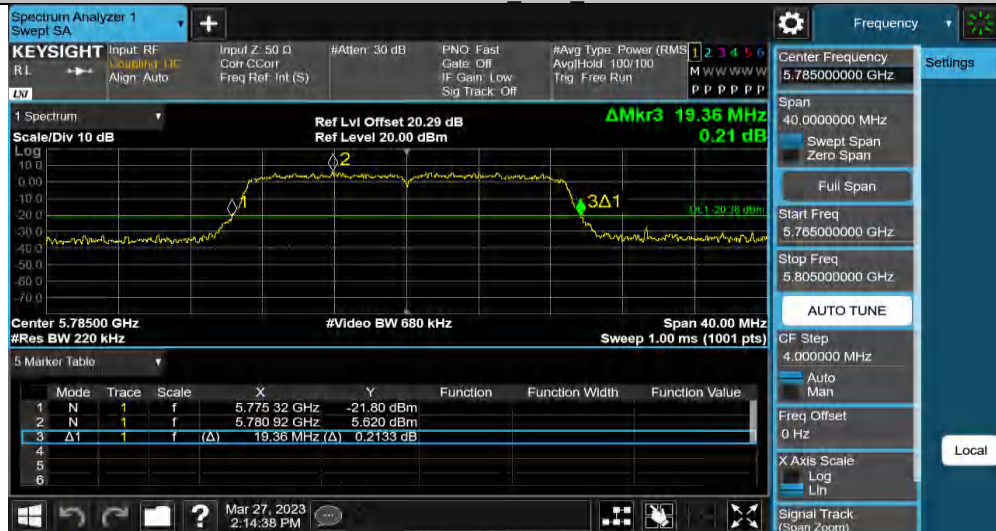
11N20MIMO Ant0 5700



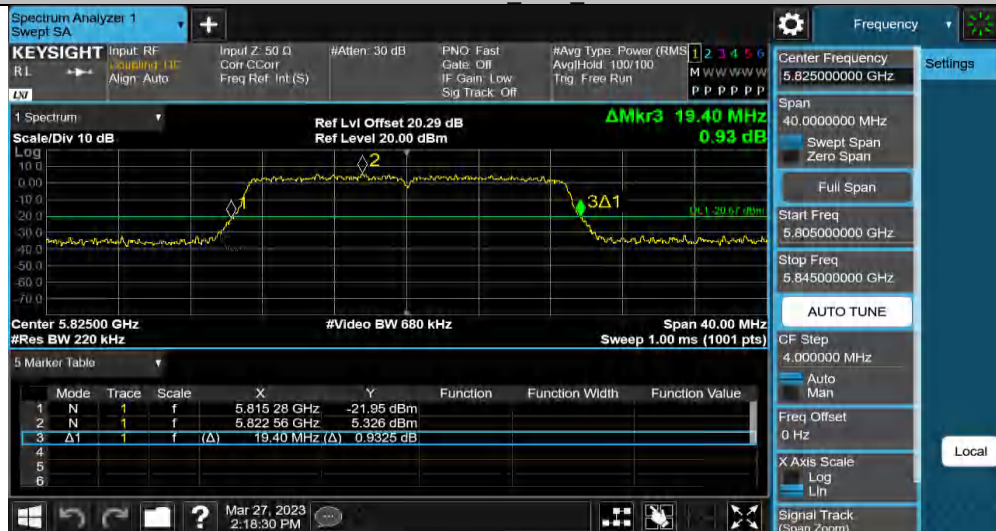
11N20MIMO Ant0 5745



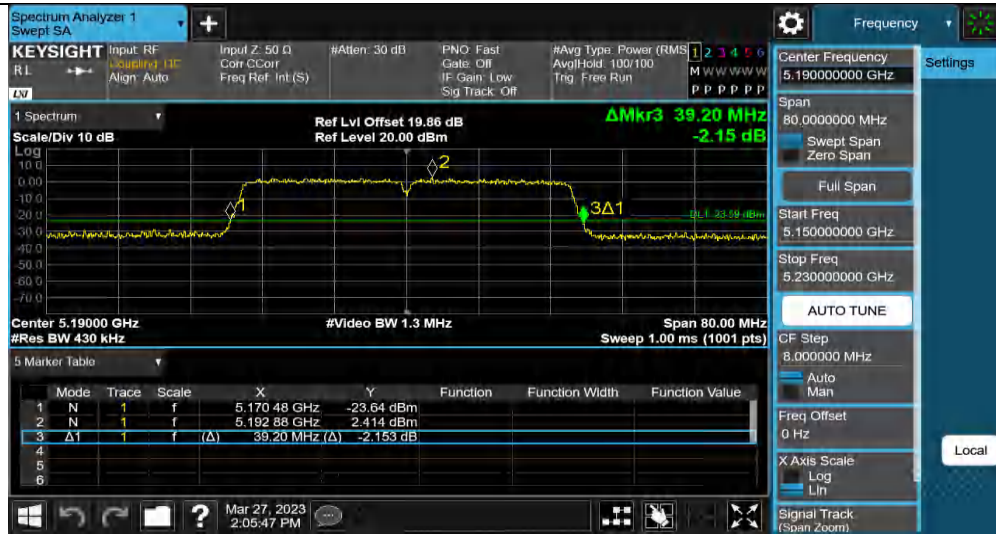
11N20MIMO Ant0 5785



11N20MIMO Ant0 5825



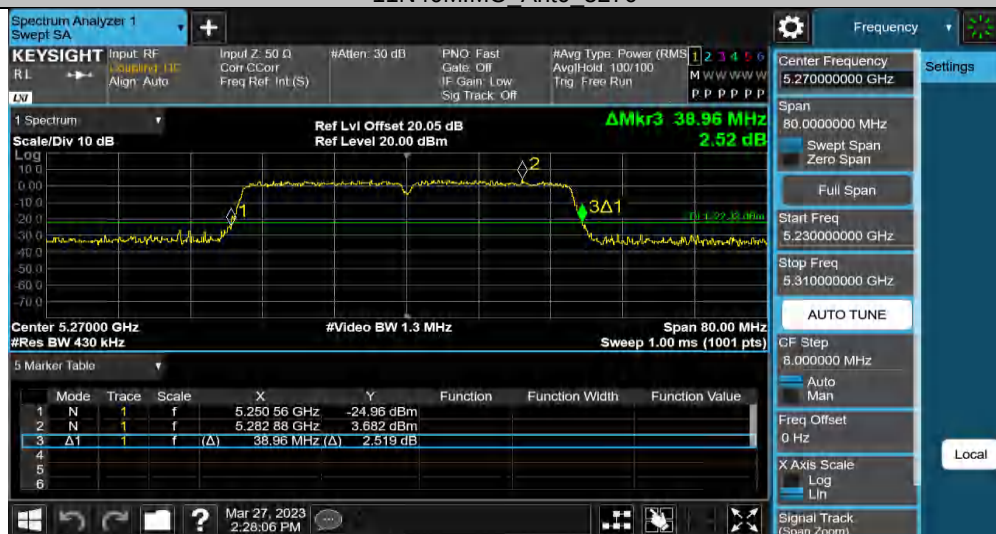
11N40MIMO Ant0 5190



11N40MIMO Ant0 5230



11N40MIMO Ant0 5270



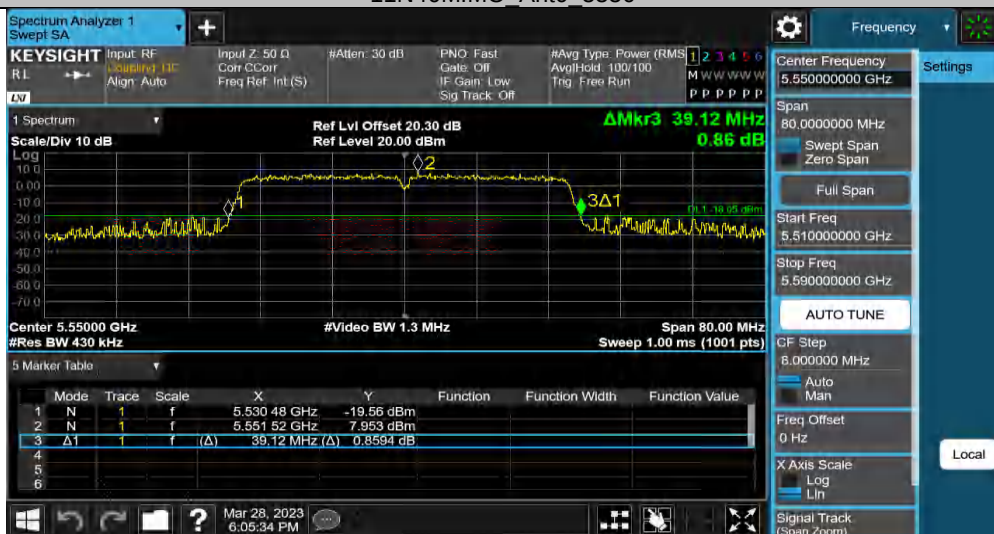
11N40MIMO Ant0 5310



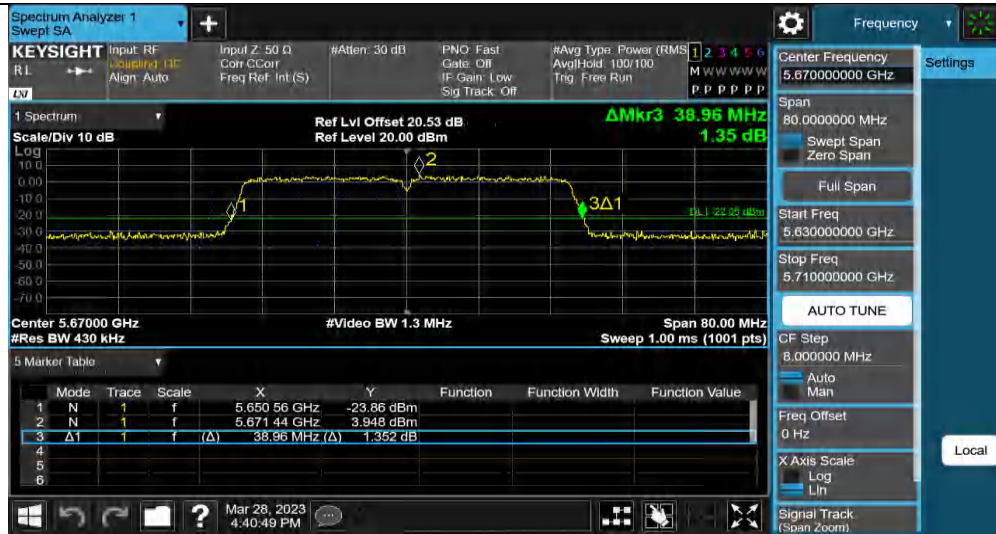
11N40MIMO Ant0 5510



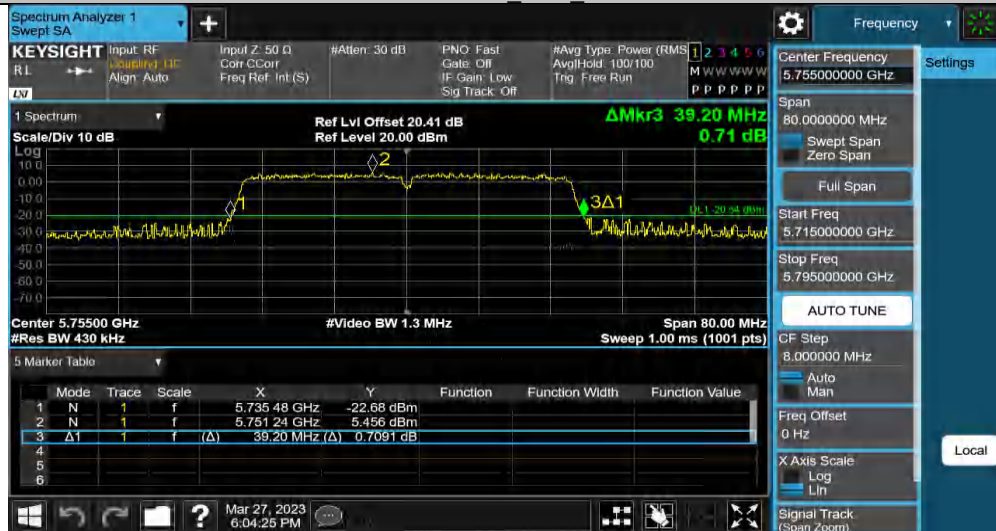
11N40MIMO Ant0 5550



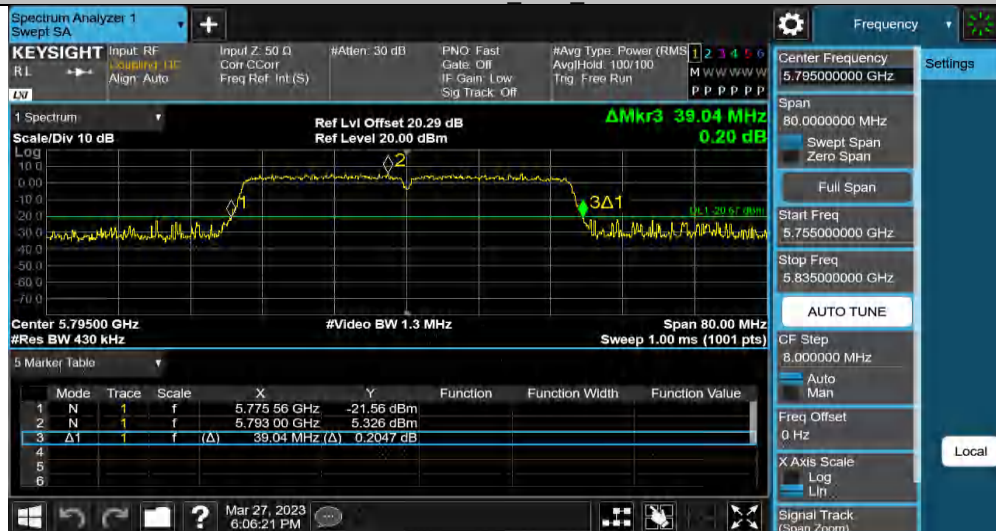
11N40MIMO Ant0 5670



11N40MIMO Ant0 5755



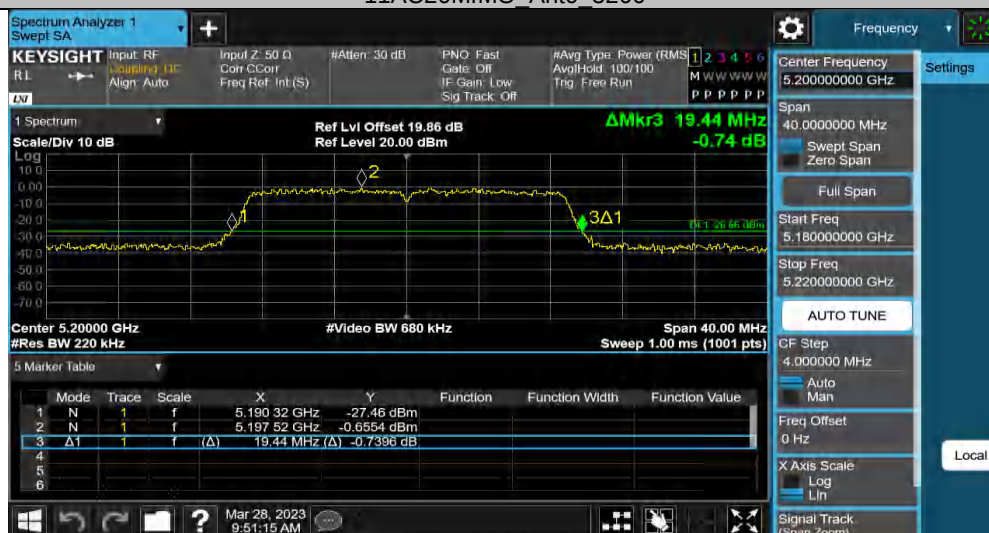
11N40MIMO Ant0 5795



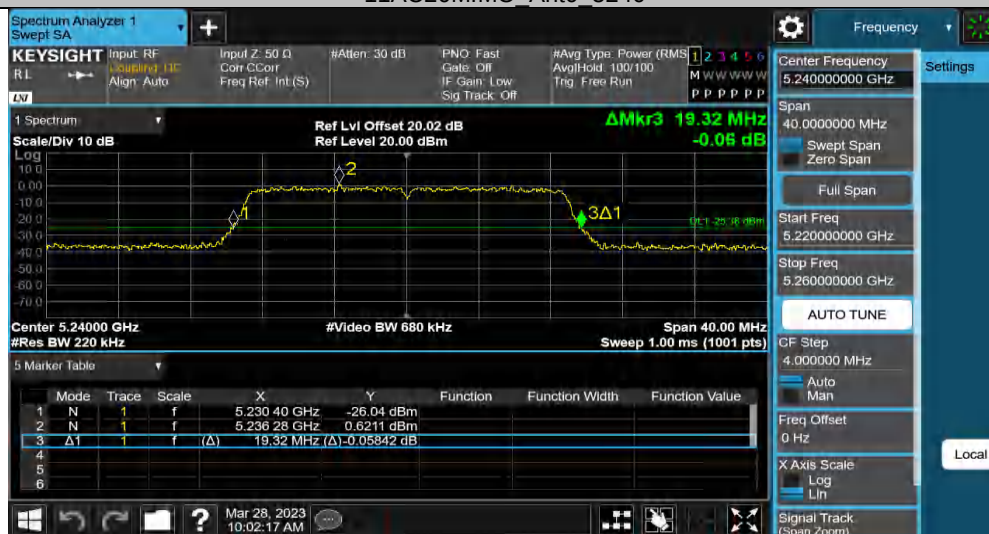
11AC20MIMO_Ant0_5180



11AC20MIMO_Ant0_5200



11AC20MIMO_Ant0_5240



11AC20MIMO_Ant0_5260



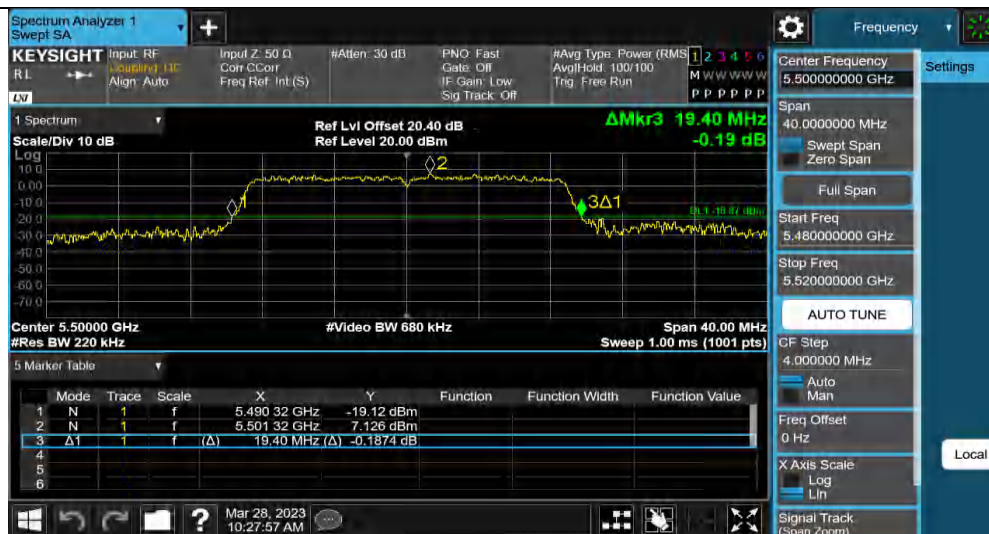
11AC20MIMO_Ant0_5280



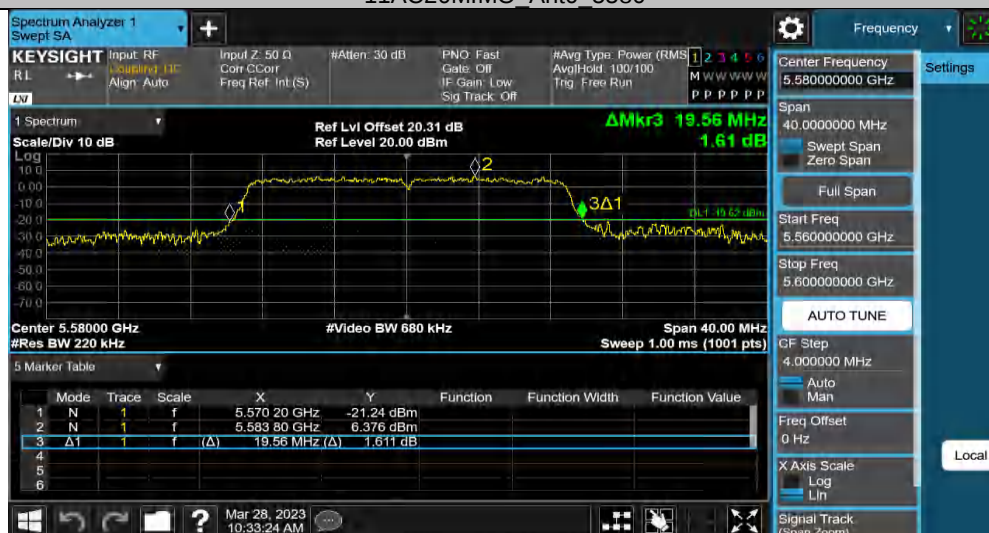
11AC20MIMO_Ant0_5320



11AC20MIMO_Ant0_5500



11AC20MIMO_Ant0_5580



11AC20MIMO_Ant0_5700



11AC20MIMO_Ant0_5745



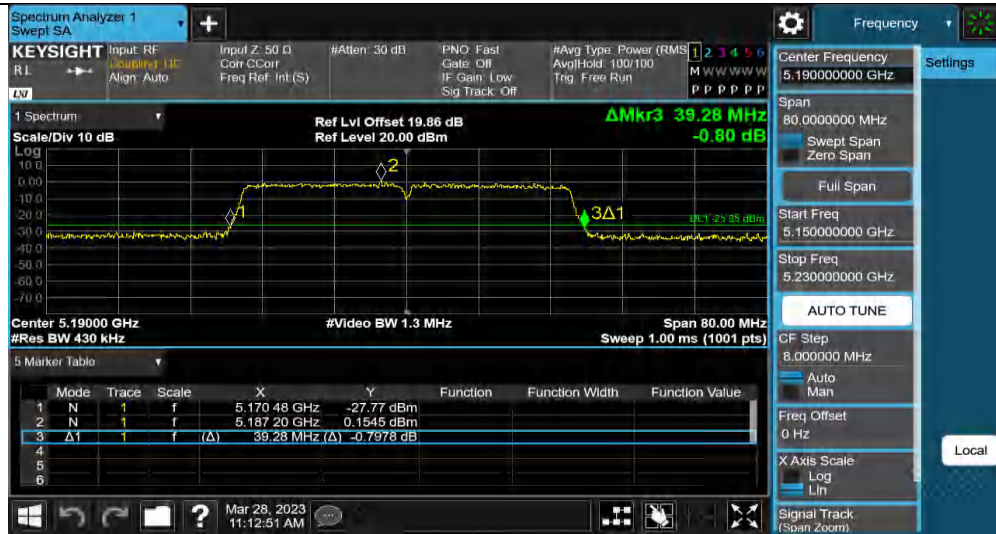
11AC20MIMO_Ant0_5785



11AC20MIMO_Ant0_5825



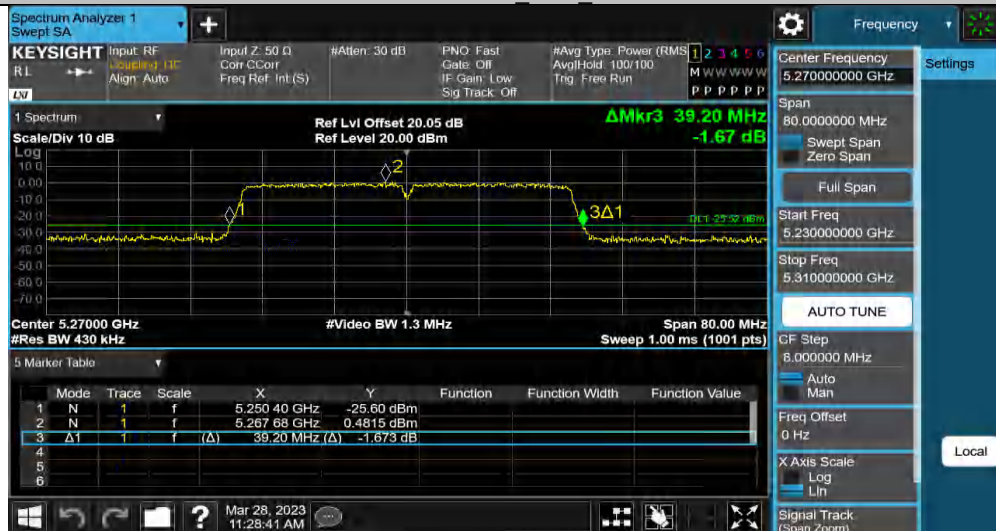
11AC40MIMO_Ant0_5190



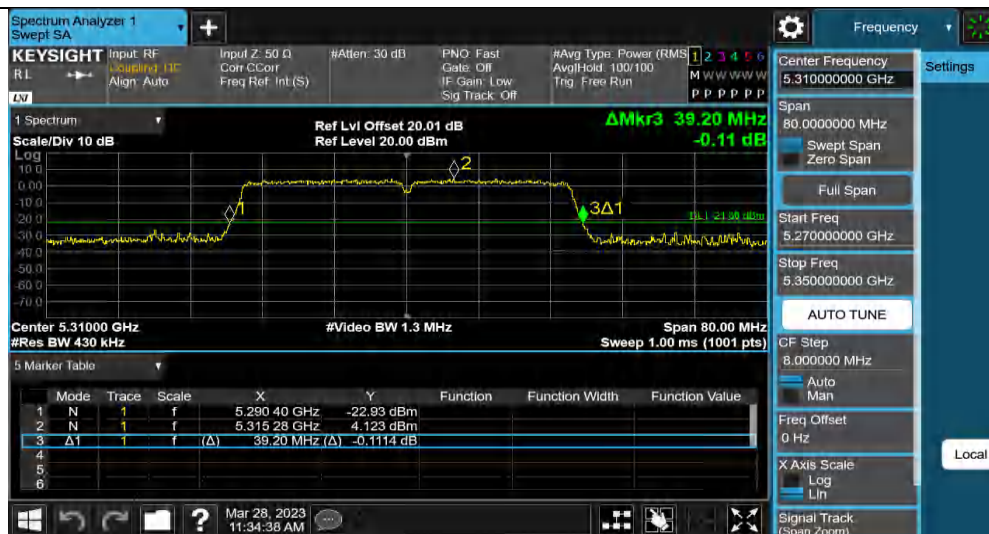
11AC40MIMO_Ant0_5230



11AC40MIMO_Ant0_5270



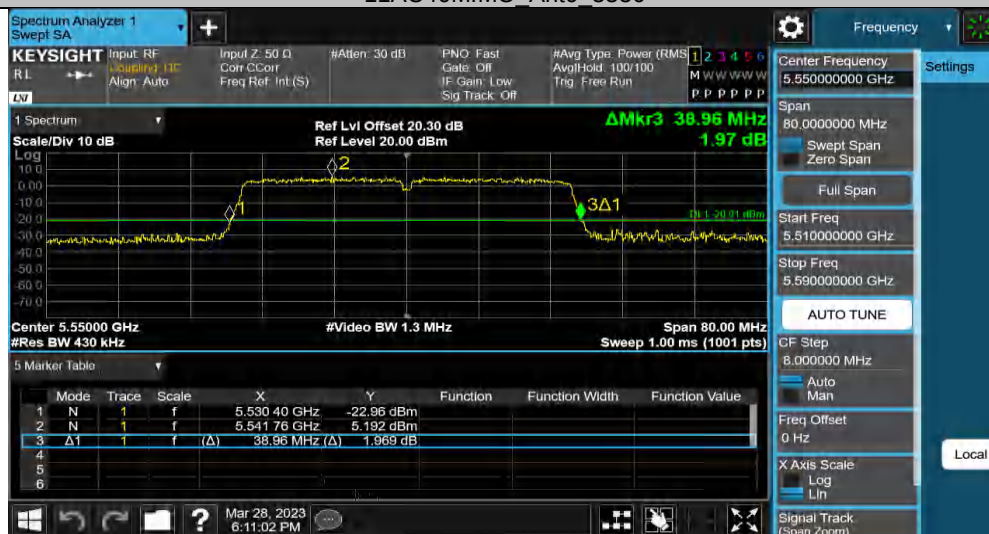
11AC40MIMO_Ant0_5310



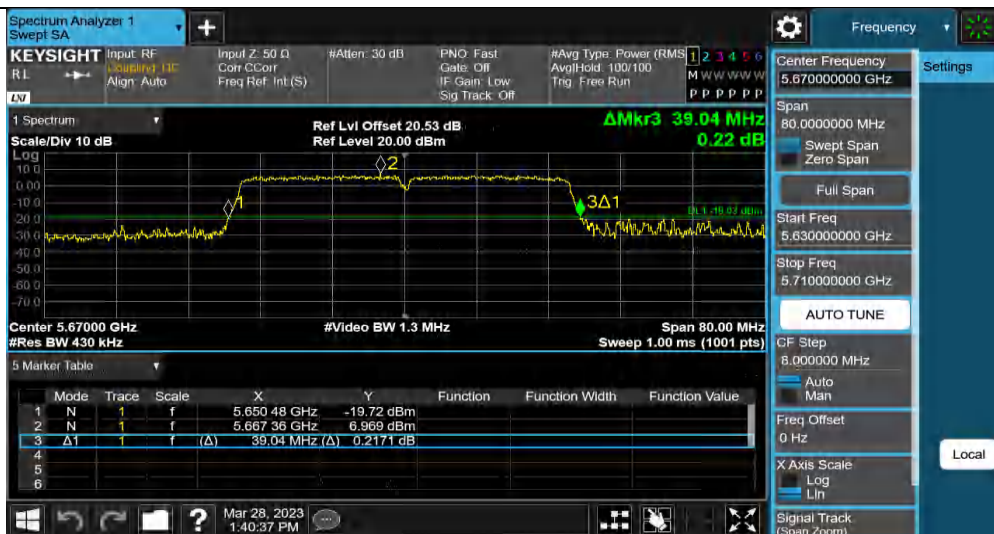
11AC40MIMO_Ant0_5510



11AC40MIMO_Ant0_5550



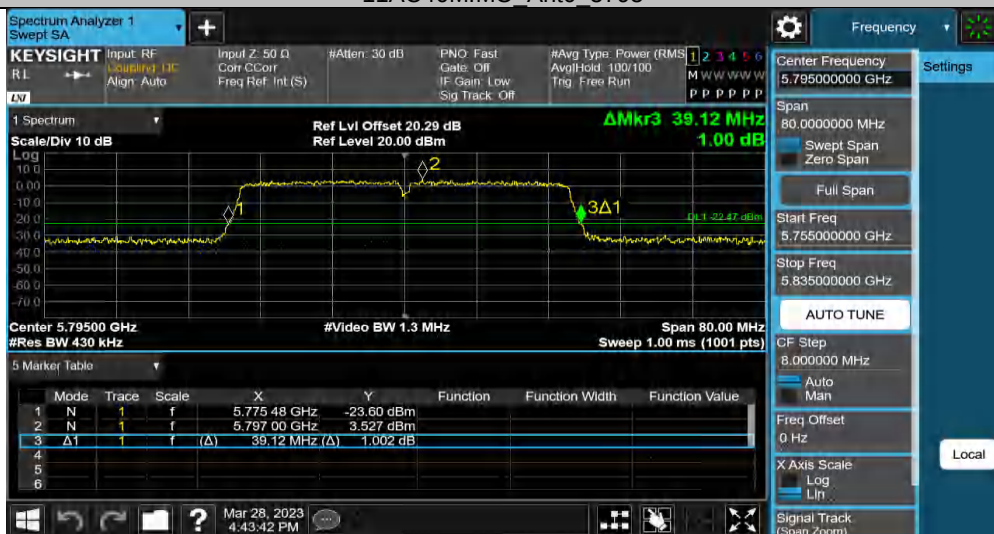
11AC40MIMO_Ant0_5670



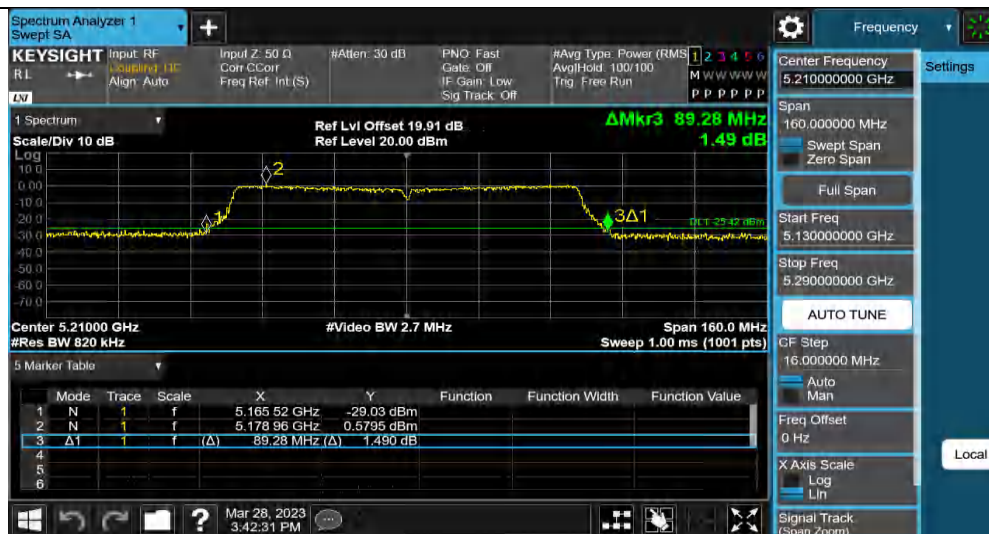
11AC40MIMO_Ant0_5755



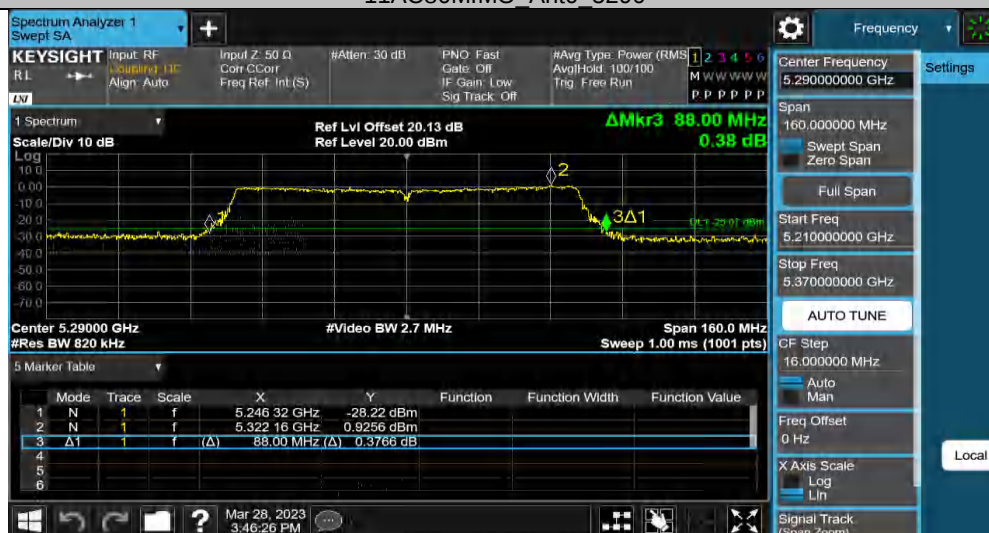
11AC40MIMO_Ant0_5795



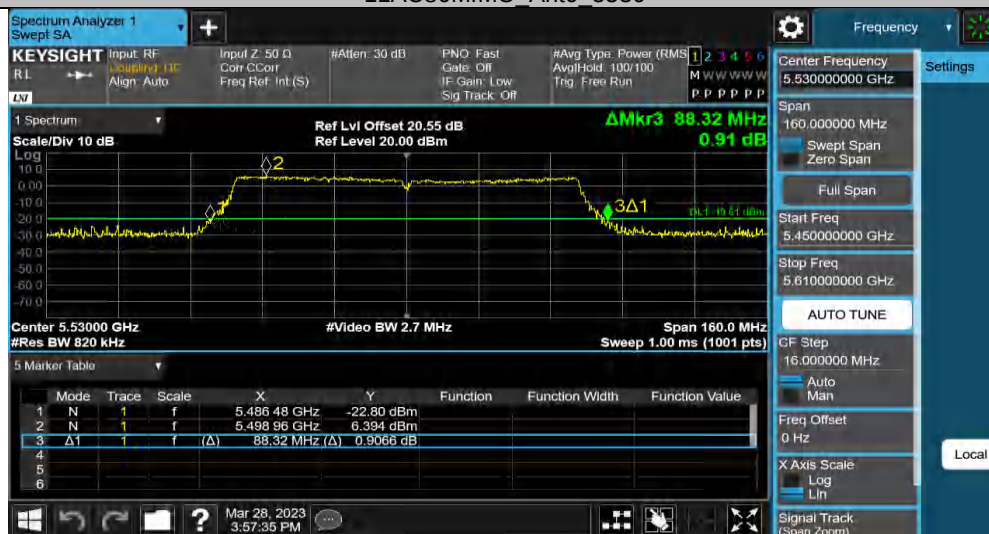
11AC80MIMO_Ant0_5210



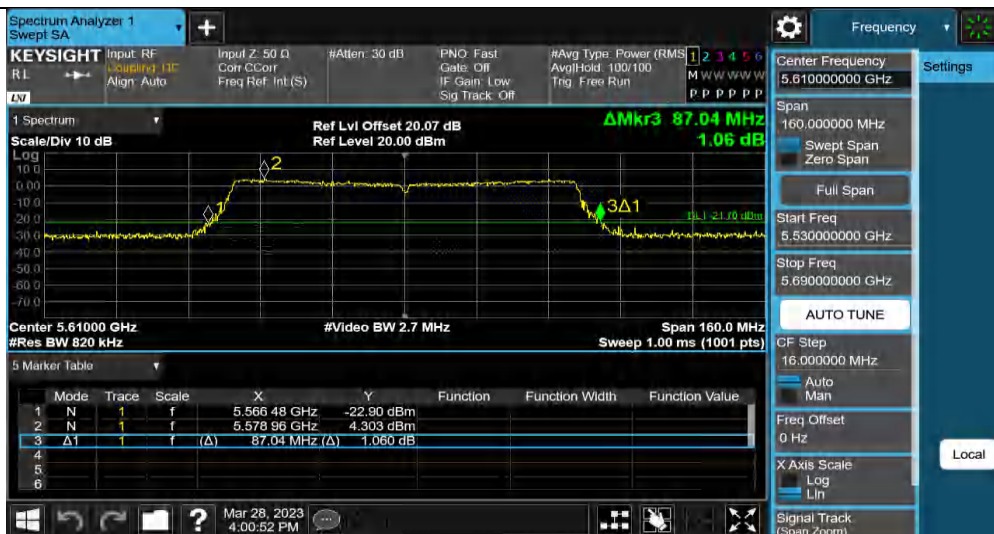
11AC80MIMO_Ant0_5290



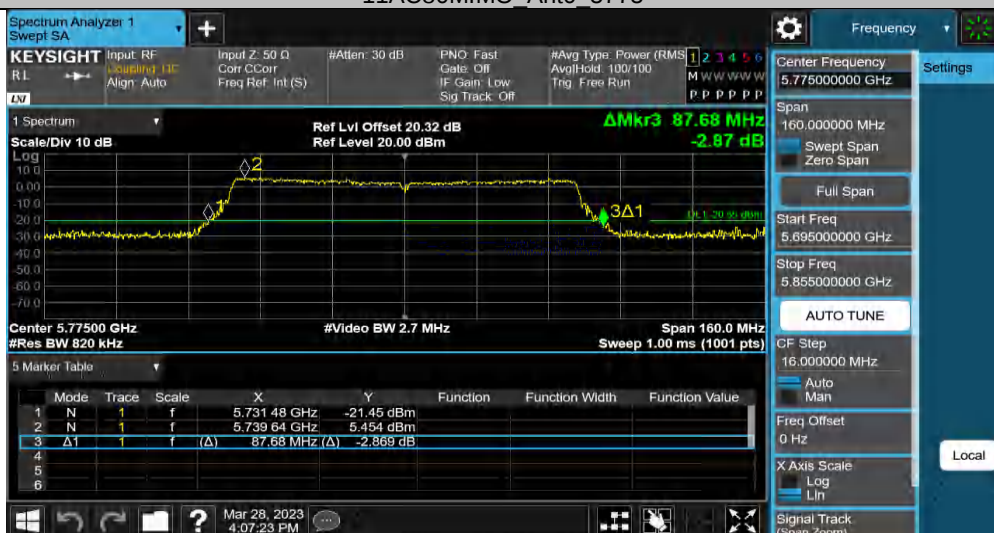
11AC80MIMO_Ant0_5530



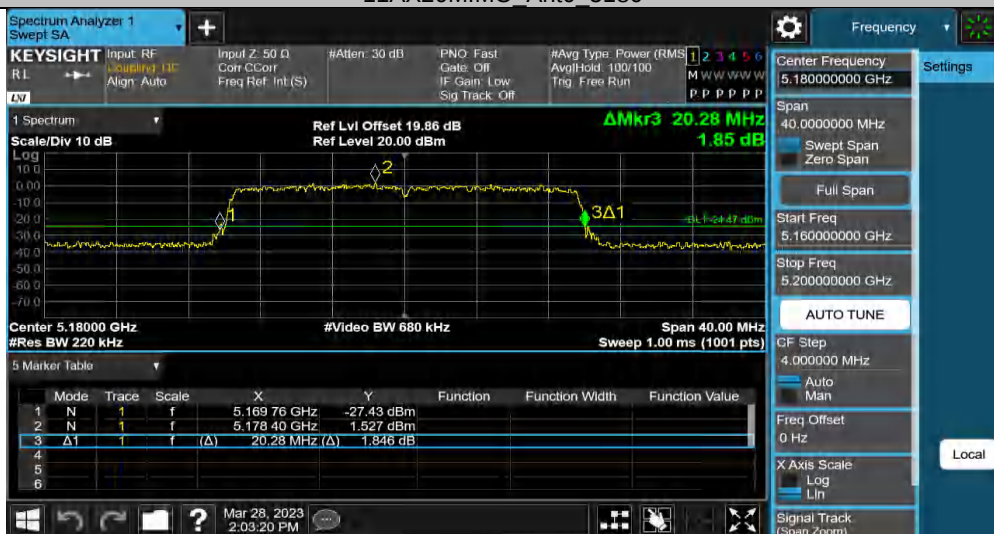
11AC80MIMO_Ant0_5610



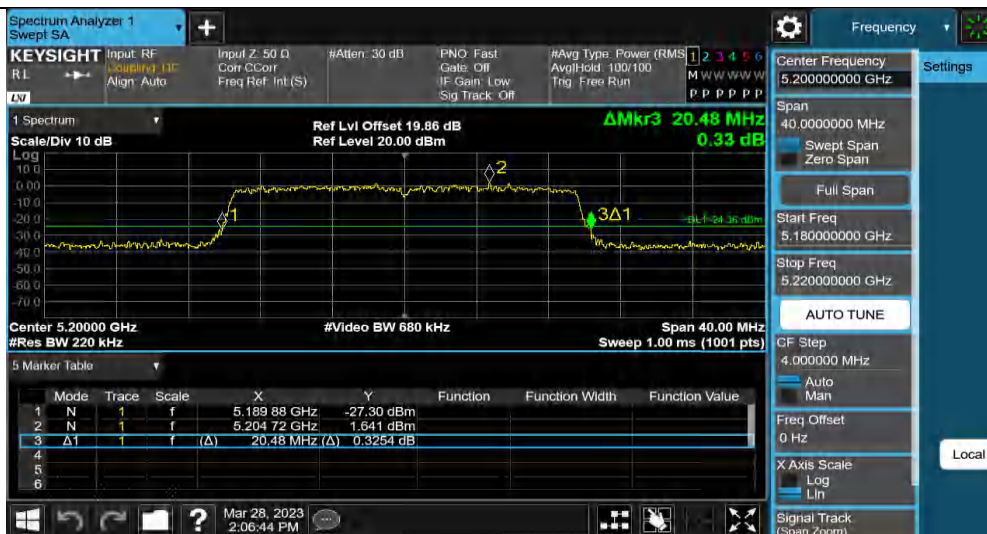
11AC80MIMO_Ant0_5775



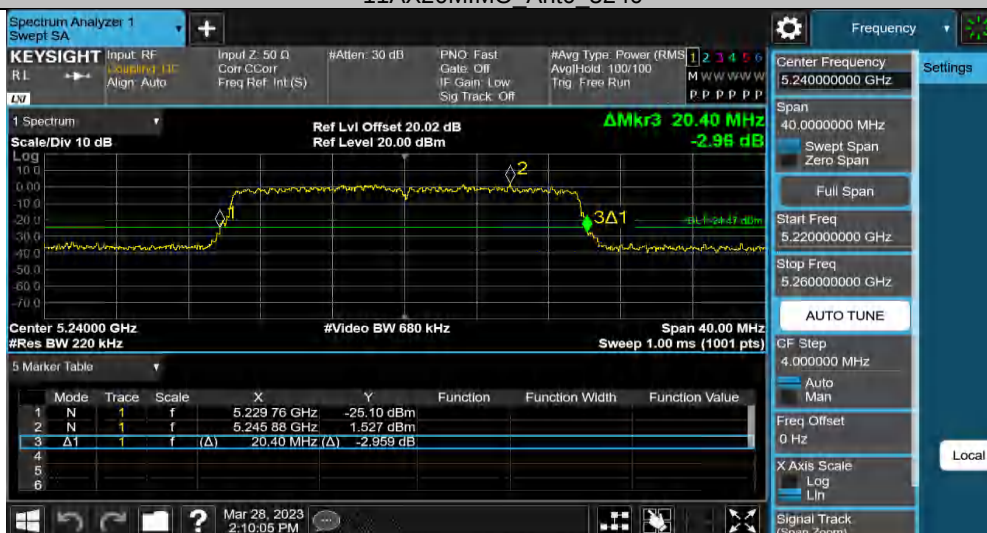
11AX20MIMO_Ant0_5180



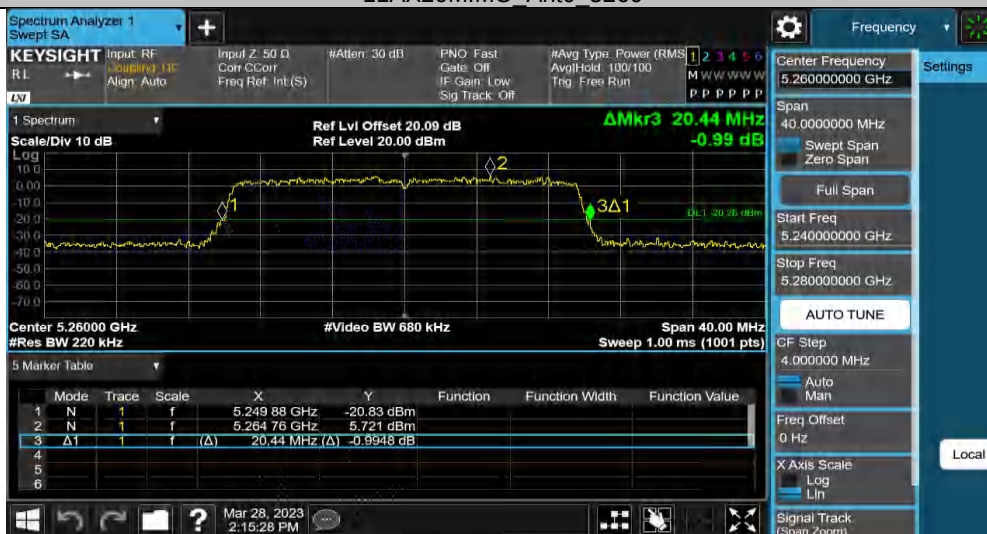
11AX20MIMO_Ant0_5200



11AX20MIMO_Ant0_5240



11AX20MIMO_Ant0_5260



11AX20MIMO_Ant0_5280



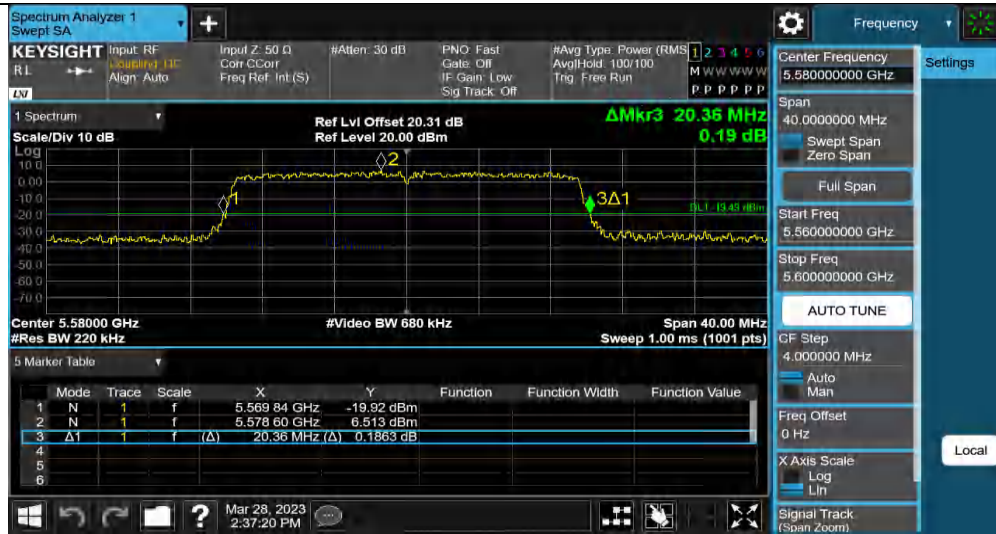
11AX20MIMO_Ant0_5320



11AX20MIMO_Ant0_5500



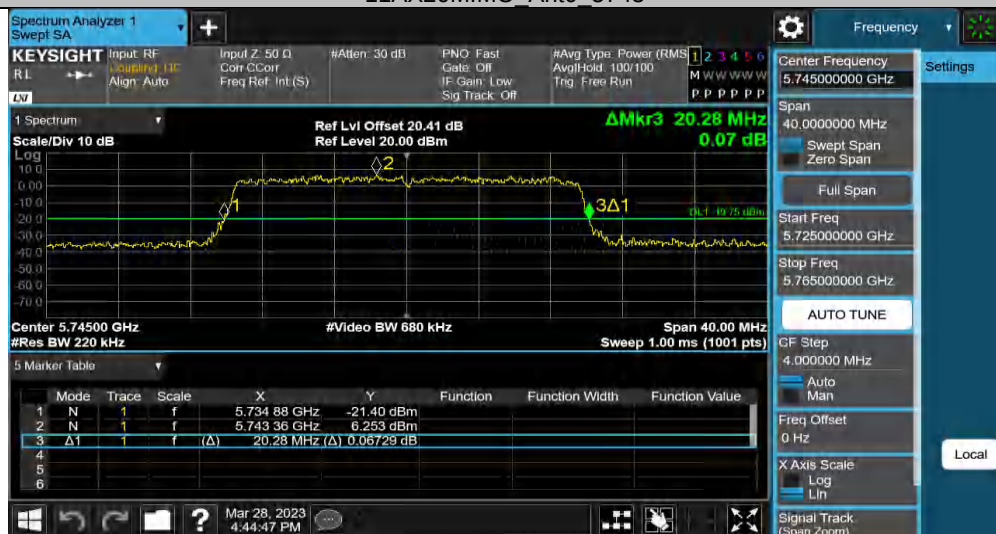
11AX20MIMO_Ant0_5580



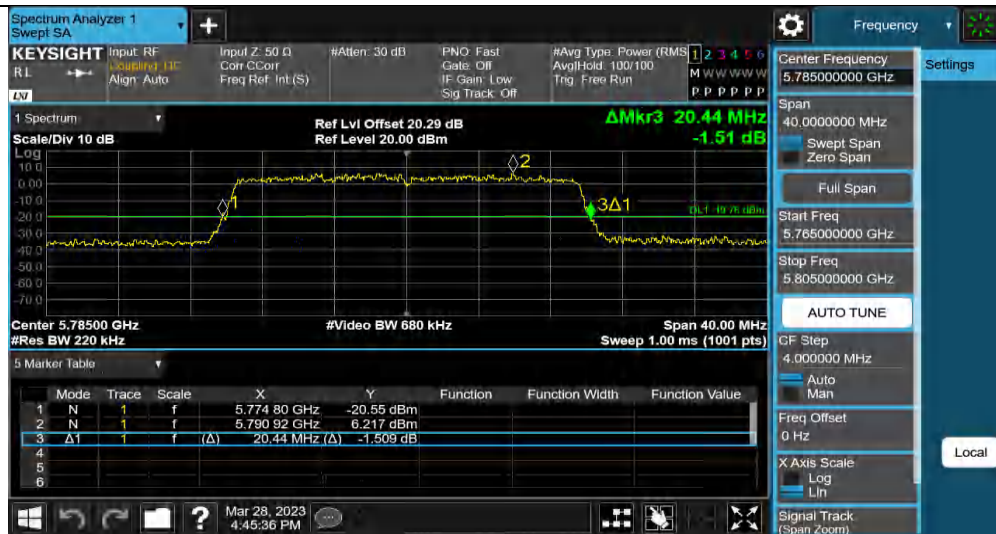
11AX20MIMO_Ant0_5700



11AX20MIMO_Ant0_5745



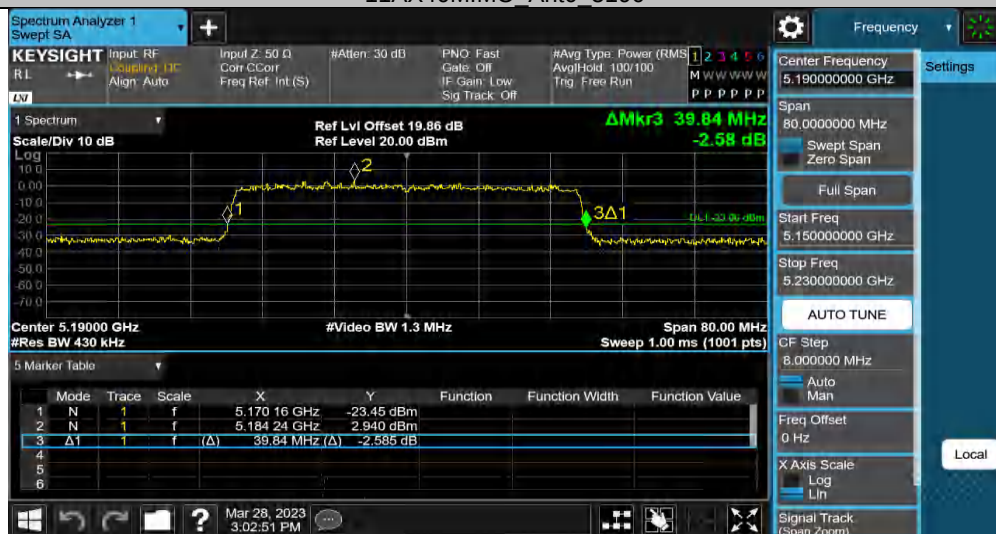
11AX20MIMO_Ant0_5785



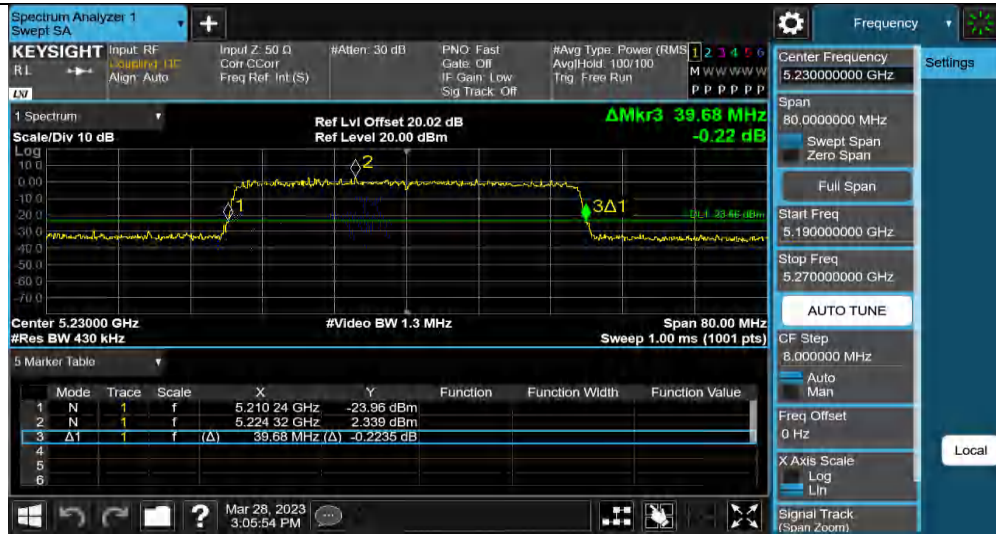
11AX20MIMO_Ant0_5825



11AX40MIMO_Ant0_5190



11AX40MIMO_Ant0_5230



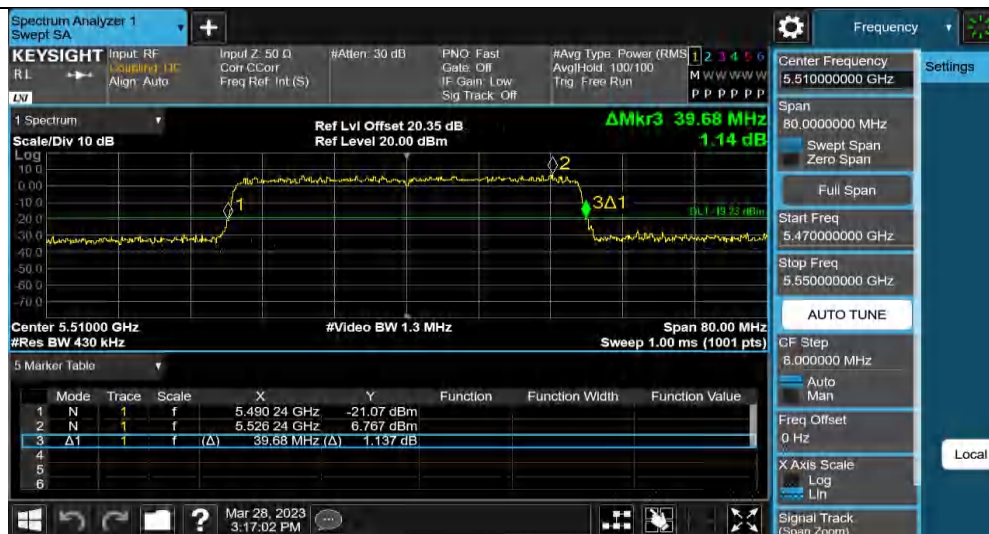
11AX40MIMO_Ant0_5270



11AX40MIMO_Ant0_5310



11AX40MIMO_Ant0_5510



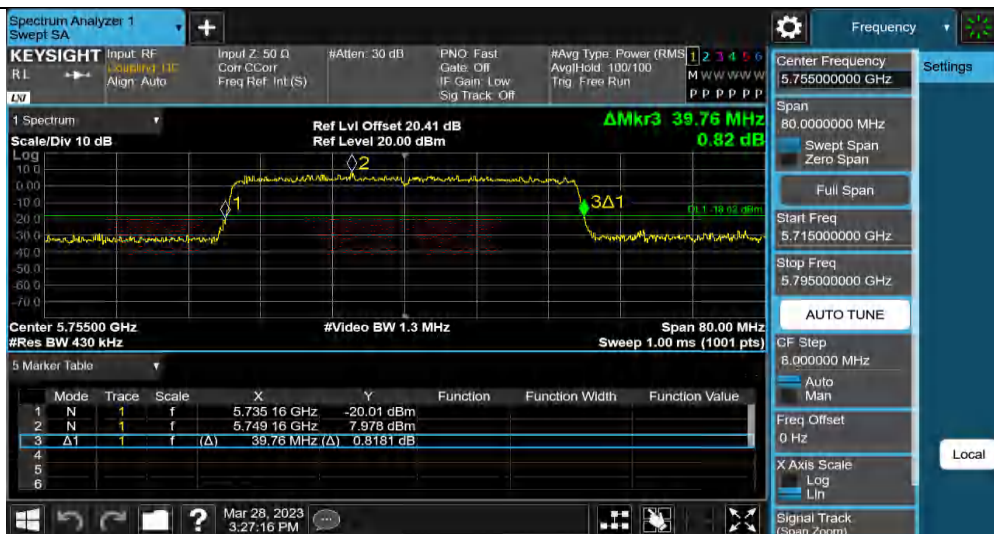
11AX40MIMO_Ant0_5550



11AX40MIMO_Ant0_5670



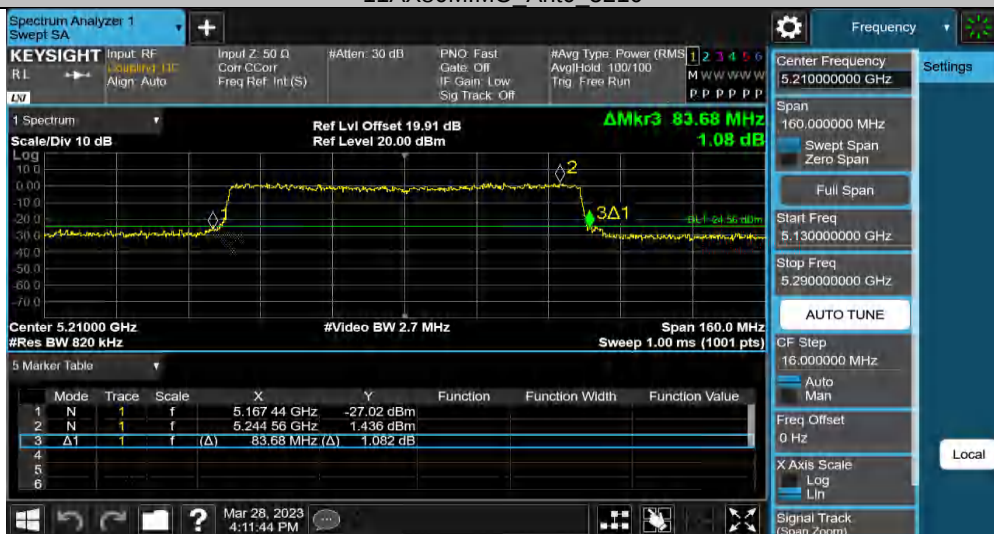
11AX40MIMO_Ant0_5755



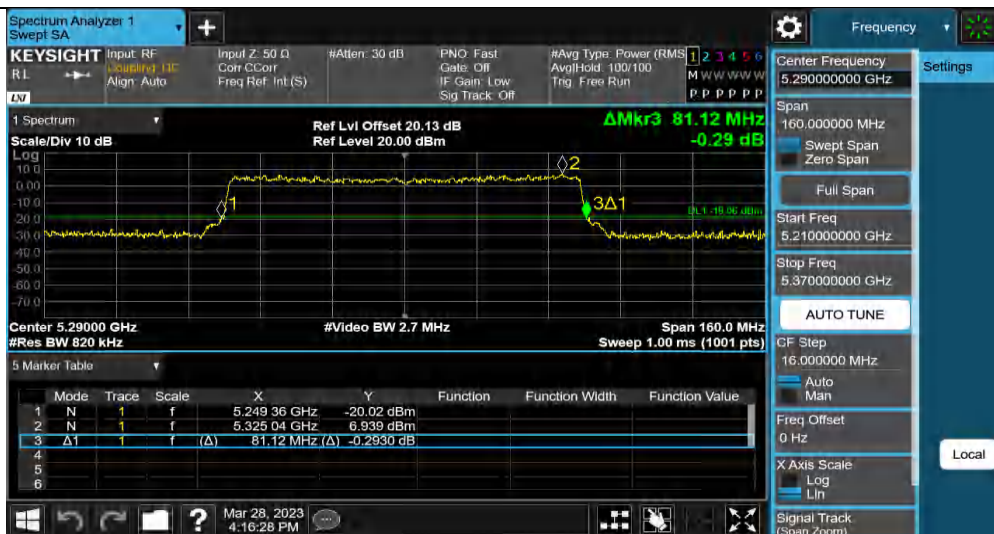
11AX40MIMO_Ant0_5795



11AX80MIMO_Ant0_5210



11AX80MIMO_Ant0_5290

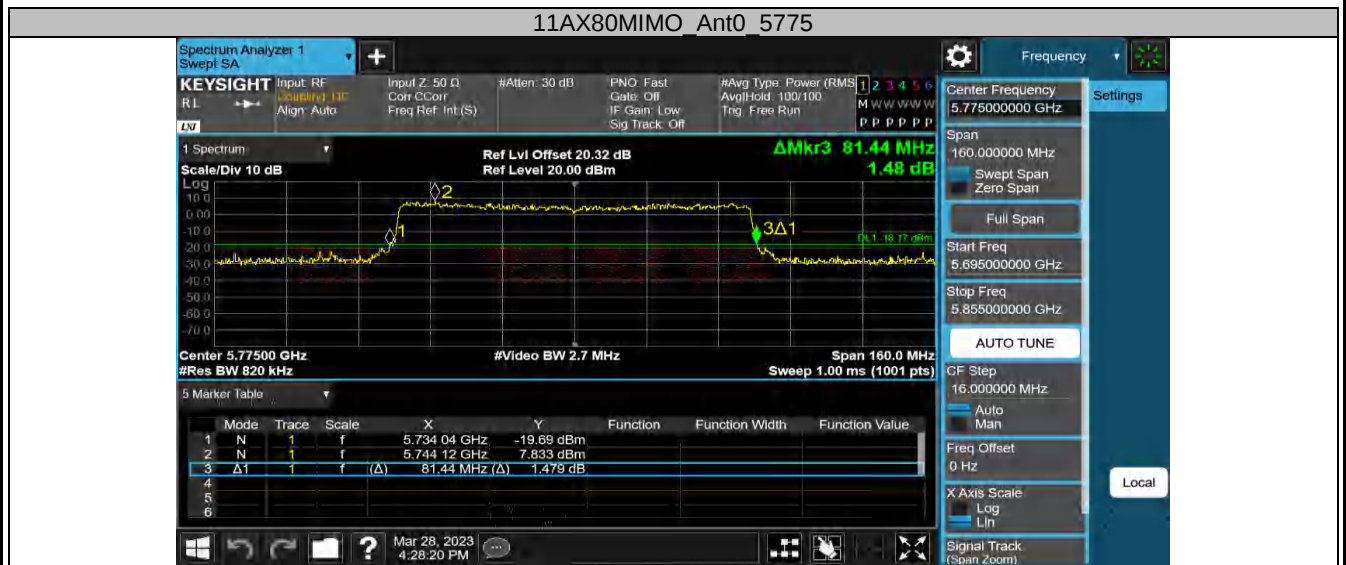


11AX80MIMO_Ant0_5530



11AX80MIMO_Ant0_5610



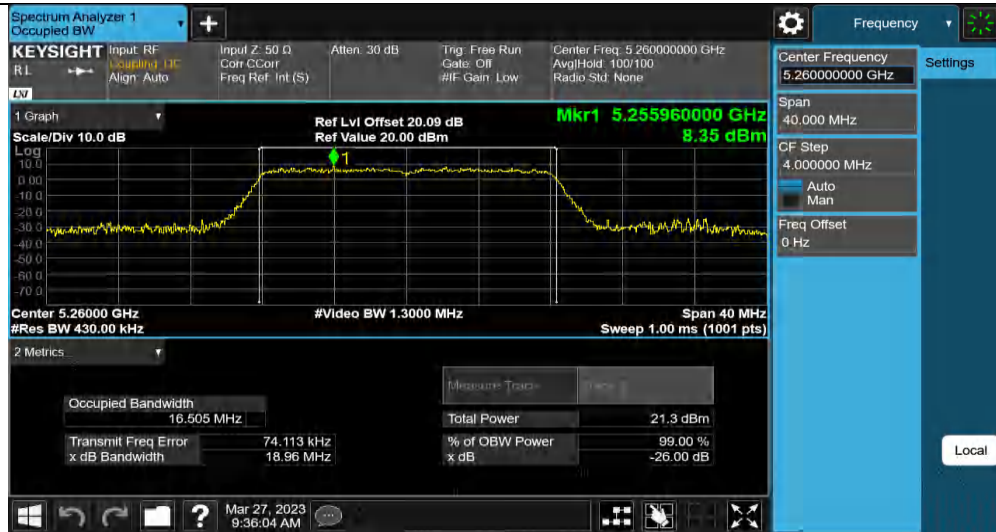


Appendix A.5: Test Results of 99% Bandwidth

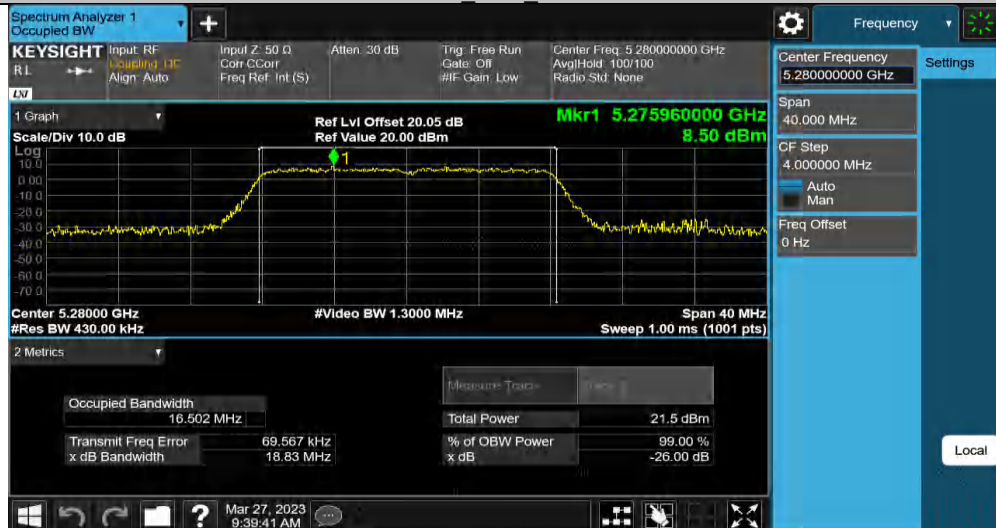
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	16.536	5171.7917	5188.3277	---	PASS
		5200	16.500	5191.8211	5208.3211	---	PASS
		5240	16.469	5231.8319	5248.3009	---	PASS
		5260	16.505	5251.8216	5268.3266	---	PASS
		5280	16.502	5271.8186	5288.3206	---	PASS
		5320	16.473	5311.8481	5328.3211	---	PASS
		5500	16.527	5491.8074	5508.3344	---	PASS
		5580	16.536	5571.8411	5588.3771	---	PASS
		5700	16.554	5691.8400	5708.3940	---	PASS
		5745	16.625	5736.8284	5753.4534	---	PASS
		5785	16.592	5776.8395	5793.4315	---	PASS
		5825	16.688	5816.8125	5833.5005	---	PASS
11N20MIMO	Ant0	5180	17.622	5171.2331	5188.8551	---	PASS
		5200	17.612	5191.2462	5208.8582	---	PASS
		5240	17.595	5231.2469	5248.8419	---	PASS
		5260	17.607	5251.2499	5268.8569	---	PASS
		5280	17.617	5271.2717	5288.8887	---	PASS
		5320	17.635	5311.2424	5328.8774	---	PASS
		5500	17.635	5491.2695	5508.9045	---	PASS
		5580	17.609	5571.2712	5588.8802	---	PASS
		5700	17.643	5691.2593	5708.9023	---	PASS
		5745	17.935	5736.1465	5754.0815	---	PASS
		5785	18.046	5776.1300	5794.1760	---	PASS
		5825	17.986	5816.1501	5834.1361	---	PASS
11N40MIMO	Ant0	5190	36.113	5171.9477	5208.0607	---	PASS
		5230	36.096	5211.9779	5248.0739	---	PASS
		5270	36.087	5252.0365	5288.1235	---	PASS
		5310	36.114	5292.0148	5328.1288	---	PASS
		5510	36.198	5492.0180	5528.2160	---	PASS
		5550	36.134	5531.9824	5568.1164	---	PASS
		5670	36.174	5652.0238	5688.1978	---	PASS
		5755	36.583	5736.8485	5773.4315	---	PASS
11AC20MIMO	Ant0	5180	17.615	5171.2029	5188.8179	---	PASS
		5200	17.645	5191.2029	5208.8479	---	PASS
		5240	17.611	5231.2169	5248.8279	---	PASS
		5260	17.610	5251.2330	5268.8430	---	PASS
		5280	17.603	5271.2526	5288.8556	---	PASS
		5320	17.588	5311.2614	5328.8494	---	PASS
		5500	17.652	5491.2419	5508.8939	---	PASS
		5580	17.648	5571.2358	5588.8838	---	PASS
		5700	17.611	5691.2393	5708.8503	---	PASS
		5745	17.632	5736.2351	5753.8671	---	PASS
		5785	17.618	5776.2448	5793.8628	---	PASS
		5825	18.243	5816.0107	5834.2537	---	PASS
11AC40MIMO	Ant0	5190	36.200	5171.9177	5208.1177	---	PASS
		5230	36.072	5212.0059	5248.0779	---	PASS
		5270	36.143	5251.9686	5288.1116	---	PASS
		5310	36.126	5291.9914	5328.1174	---	PASS
		5510	36.246	5492.0405	5528.2865	---	PASS
		5550	36.094	5532.0131	5568.1071	---	PASS
		5670	36.157	5652.0357	5688.1927	---	PASS
		5755	36.498	5736.9334	5773.4314	---	PASS
11AC80MIMO	Ant0	5795	36.373	5776.9904	5813.3634	---	PASS
		5210	77.128	5171.5069	5248.6349	---	PASS
		5290	77.086	5251.6690	5328.7550	---	PASS
		5530	77.200	5491.4372	5568.6372	---	PASS
		5610	77.158	5571.5362	5648.6942	---	PASS

		5775	76.957	5736.6030	5813.5600	---	PASS
11AX20MIMO	Ant0	5180	18.994	5170.5477	5189.5417	---	PASS
		5200	18.988	5190.5286	5209.5166	---	PASS
		5240	18.997	5230.5179	5249.5149	---	PASS
		5260	18.942	5250.5854	5269.5274	---	PASS
		5280	18.970	5270.5668	5289.5368	---	PASS
		5320	18.957	5310.5782	5329.5352	---	PASS
		5500	18.993	5490.5516	5509.5446	---	PASS
		5580	18.949	5570.5687	5589.5177	---	PASS
		5700	18.947	5690.5685	5709.5155	---	PASS
		5745	19.033	5735.5546	5754.5876	---	PASS
		5785	18.999	5775.6043	5794.6033	---	PASS
		5825	19.013	5815.5729	5834.5859	---	PASS
11AX40MIMO	Ant0	5190	37.738	5171.1663	5208.9043	---	PASS
		5230	37.704	5211.1976	5248.9016	---	PASS
		5270	37.718	5251.2151	5288.9331	---	PASS
		5310	37.688	5291.2144	5328.9024	---	PASS
		5510	37.696	5491.2685	5528.9645	---	PASS
		5550	37.752	5531.1522	5568.9042	---	PASS
		5670	37.691	5651.2220	5688.9130	---	PASS
		5755	38.013	5736.1152	5774.1282	---	PASS
		5795	37.701	5776.2022	5813.9032	---	PASS
11AX80MIMO	Ant0	5210	77.600	5171.2826	5248.8826	---	PASS
		5290	77.686	5251.3700	5329.0560	---	PASS
		5530	77.728	5491.2491	5568.9771	---	PASS
		5610	77.654	5571.3256	5648.9796	---	PASS
		5775	77.730	5736.2185	5813.9485	---	PASS

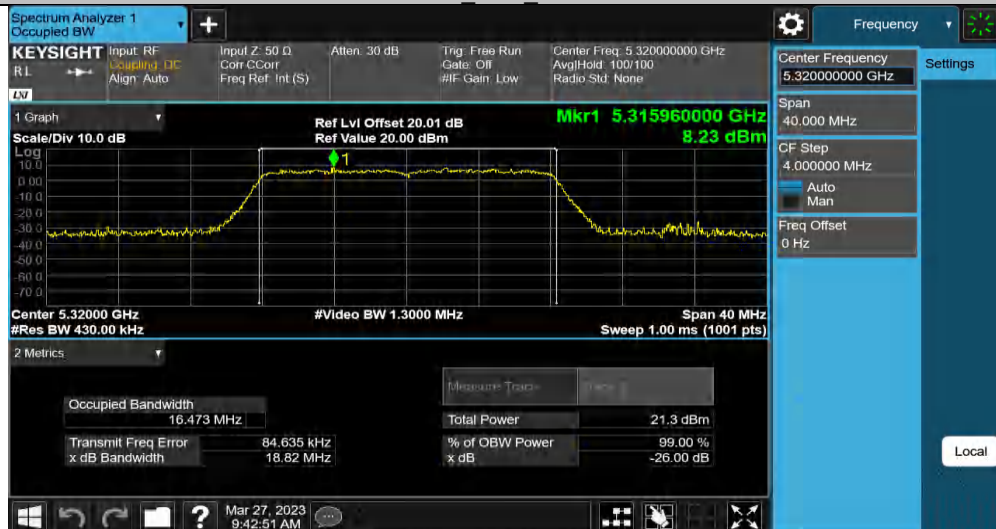




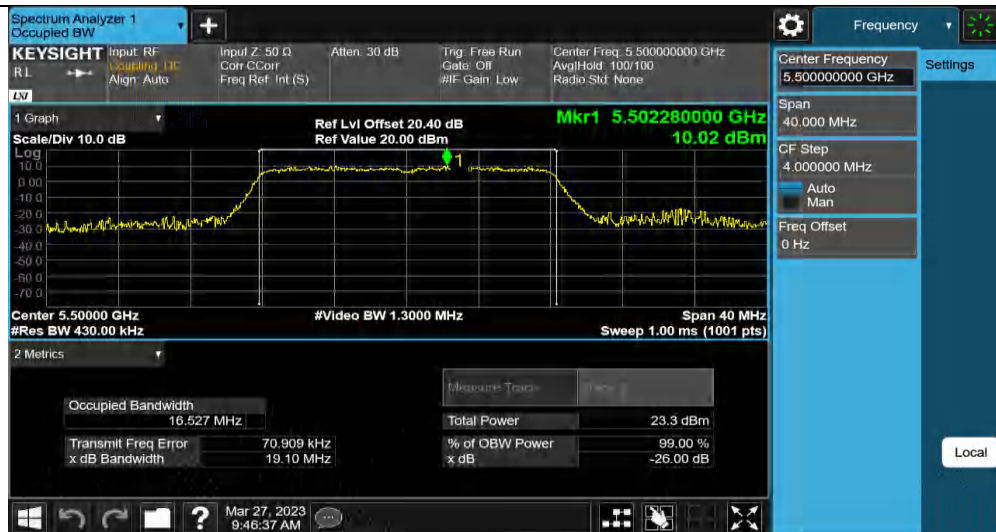
11A Ant0 5280



11A Ant0 5320



11A Ant0 5500



11A Ant0 5580



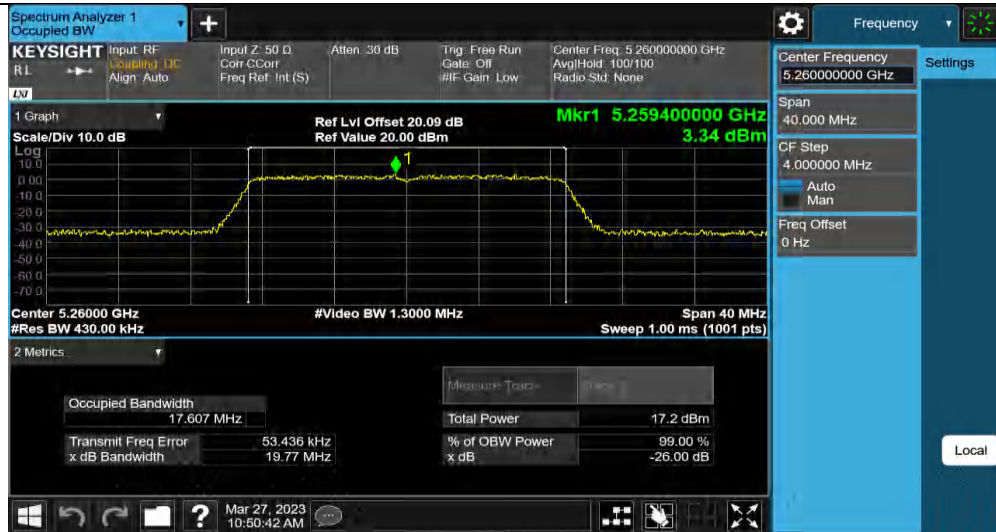
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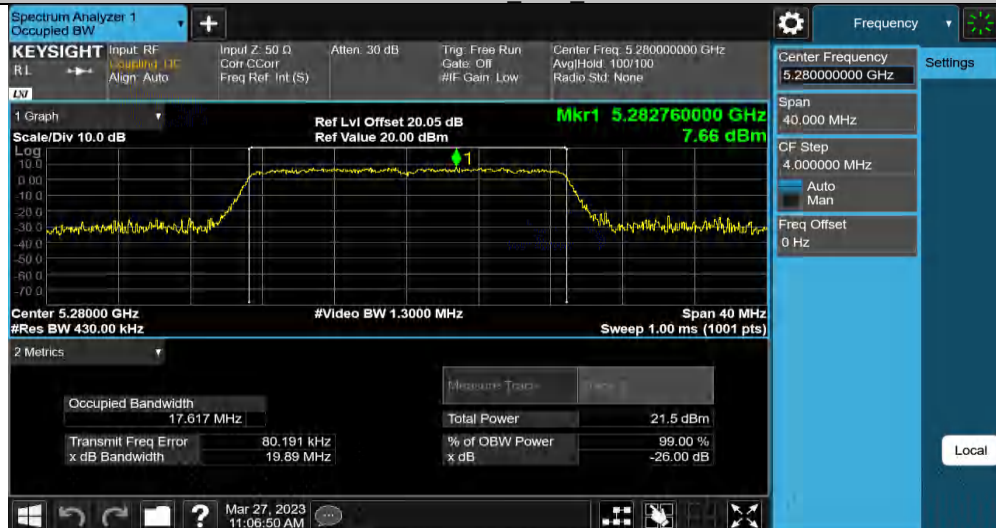
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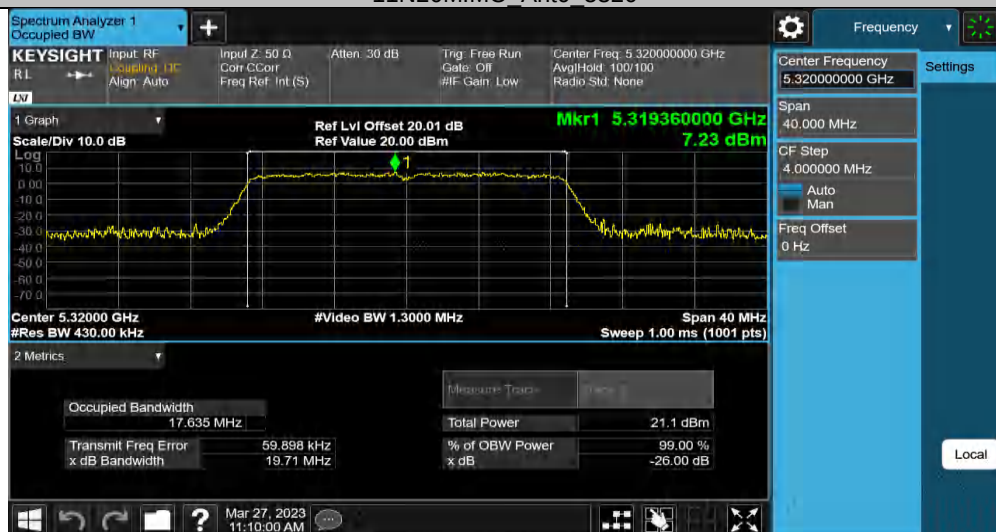
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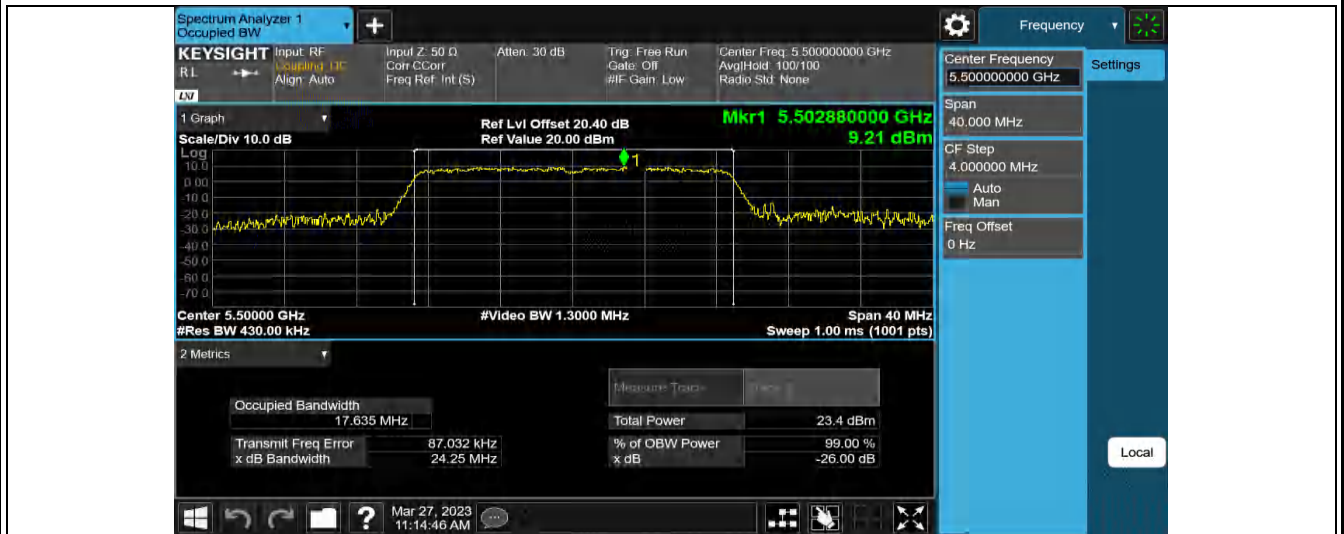
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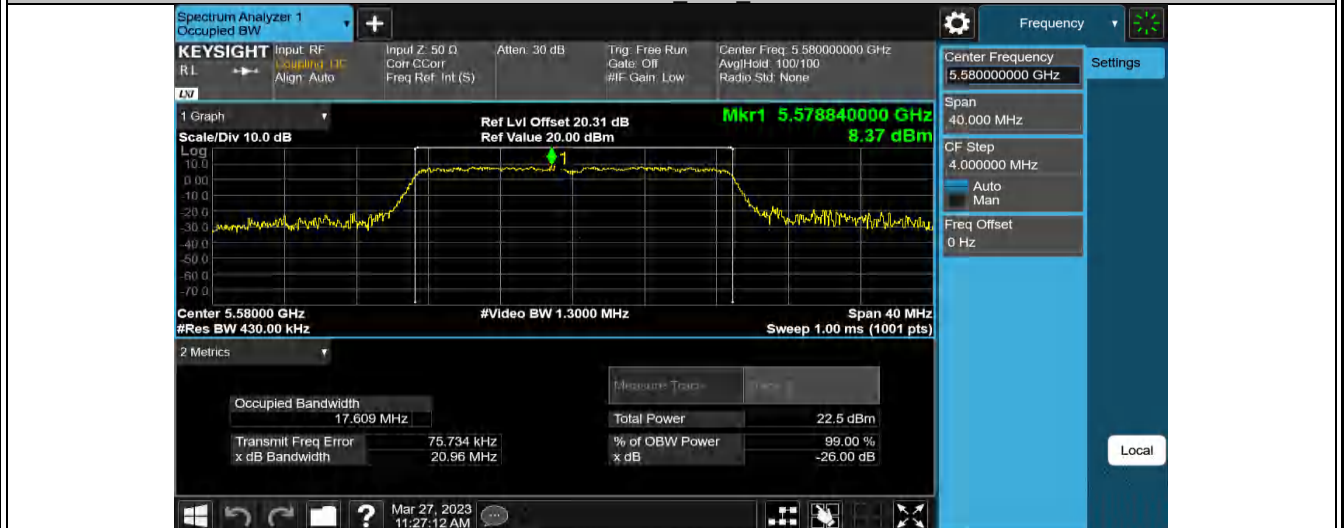
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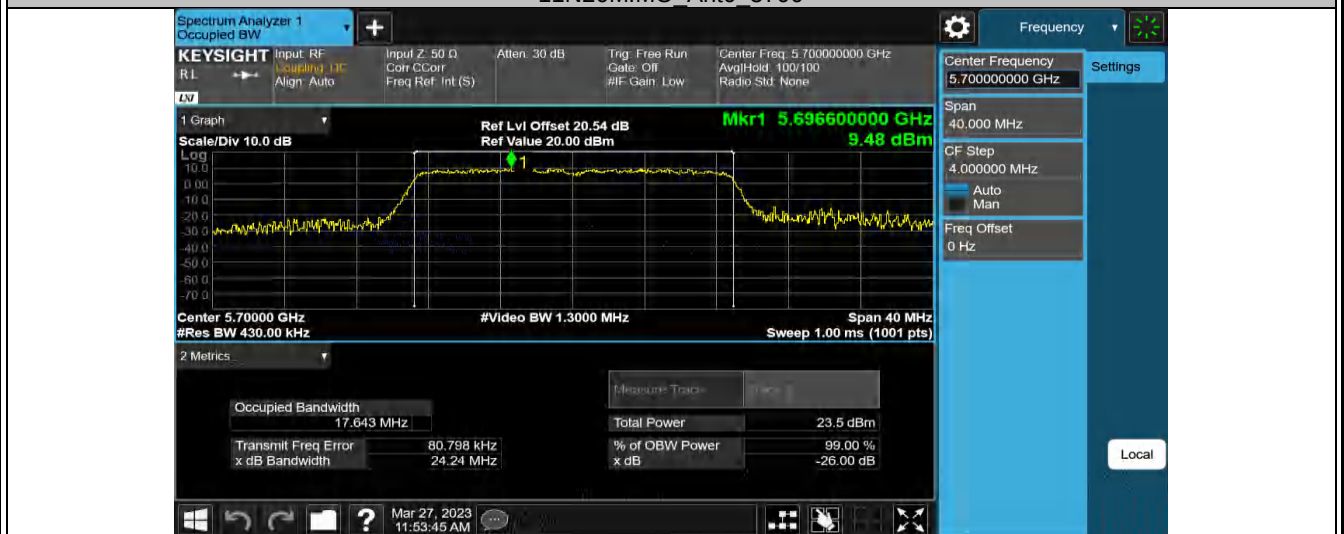
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11N20MIMO Ant0 5580



11N20MIMO Ant0 5700



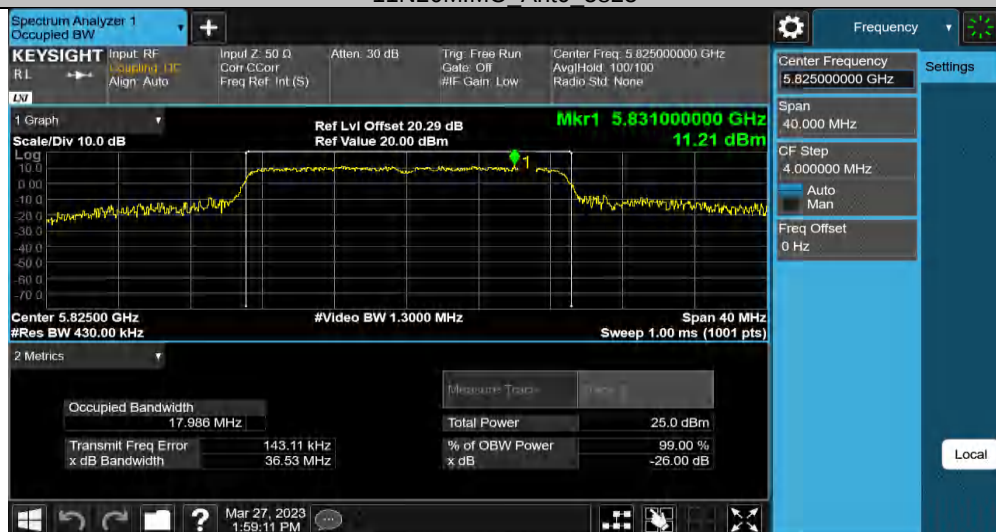
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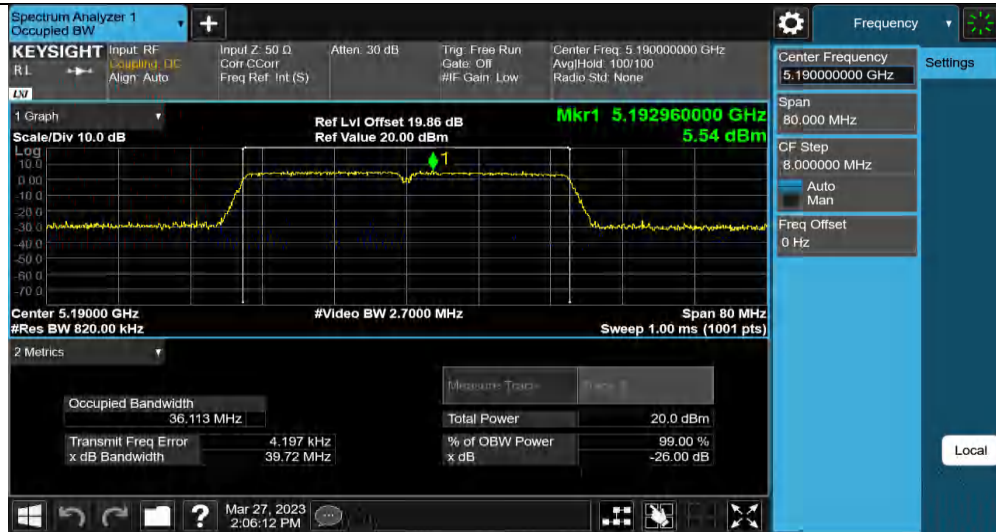
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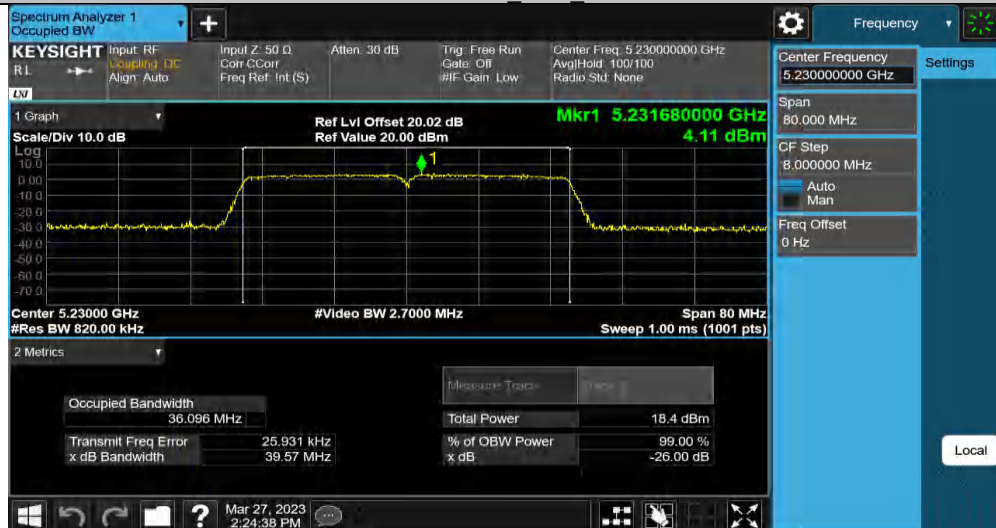
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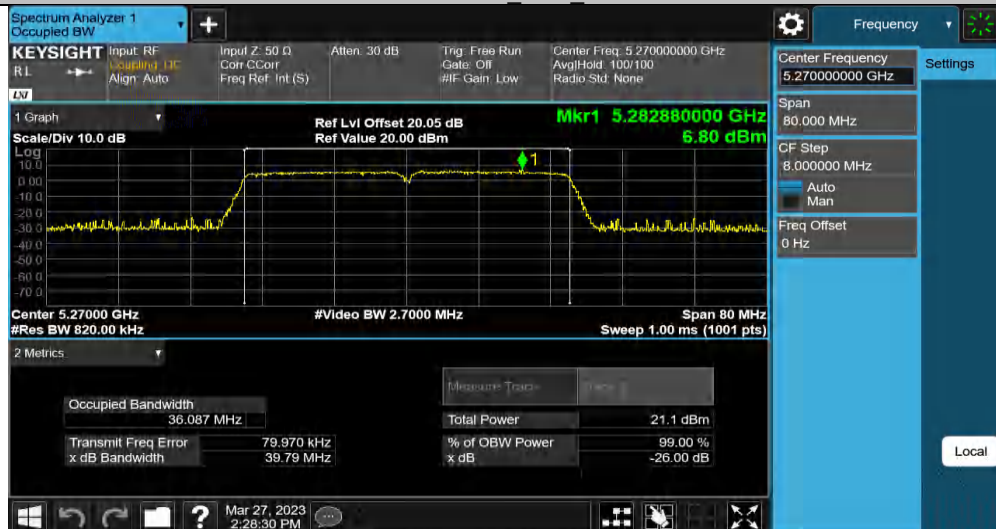
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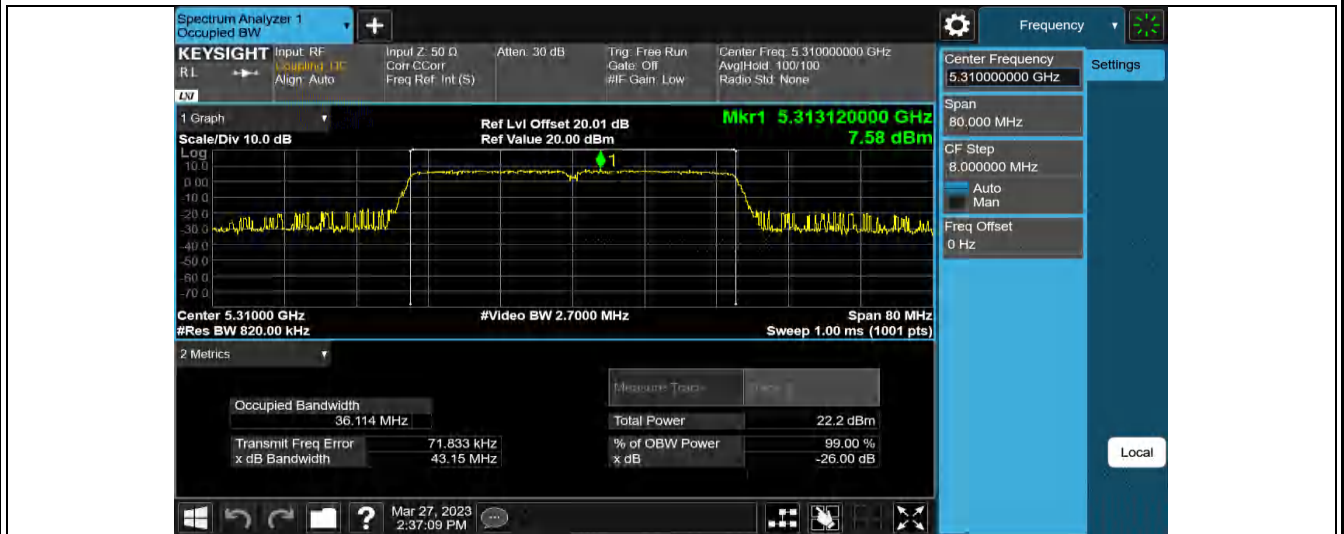
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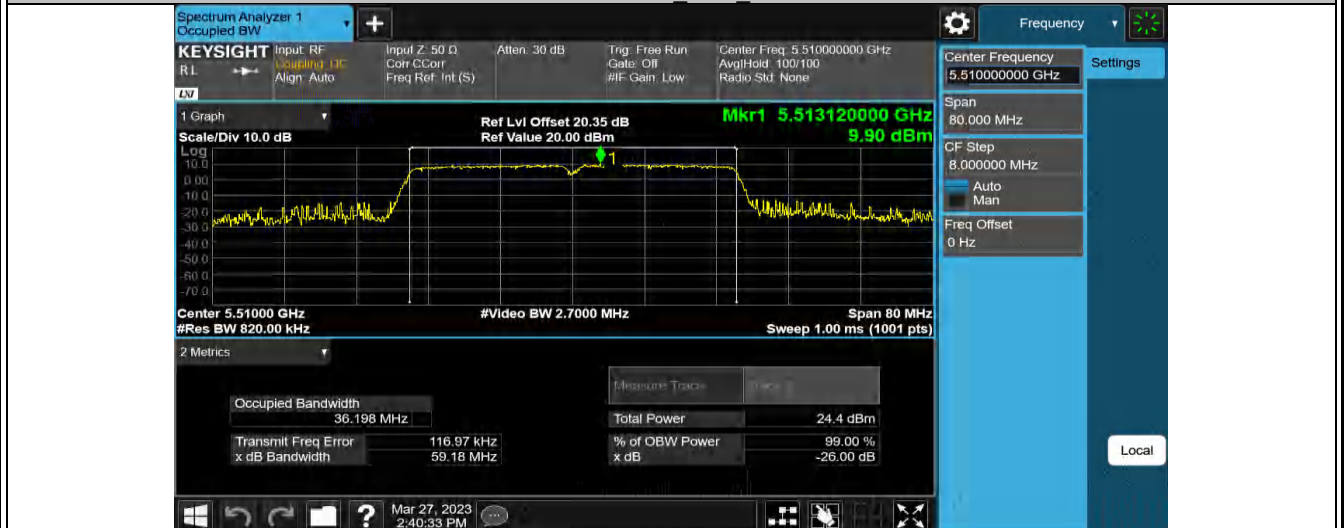
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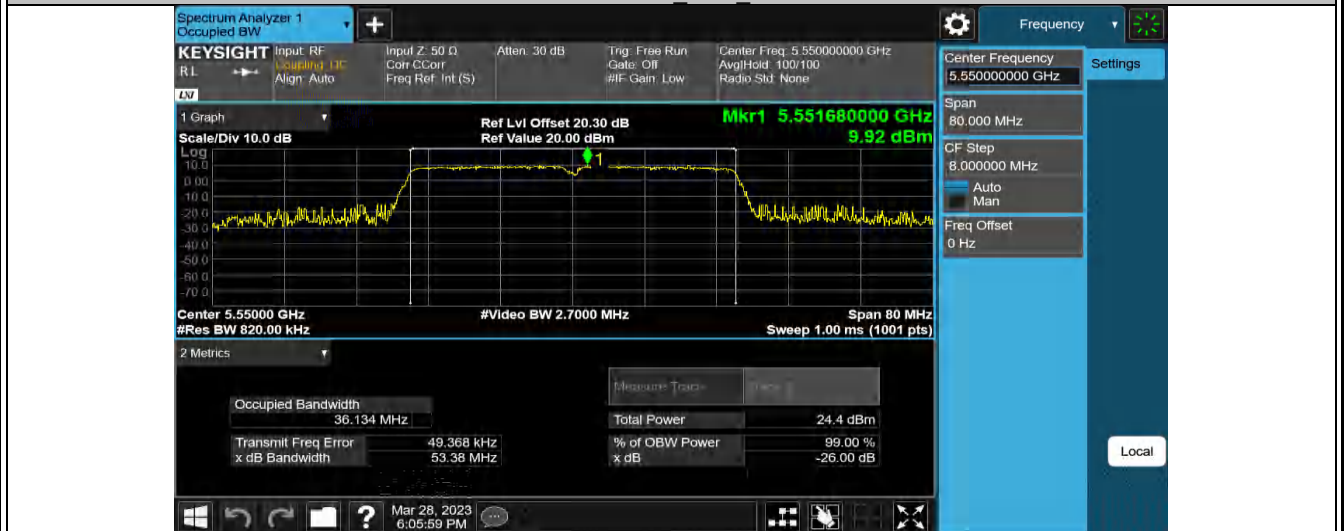
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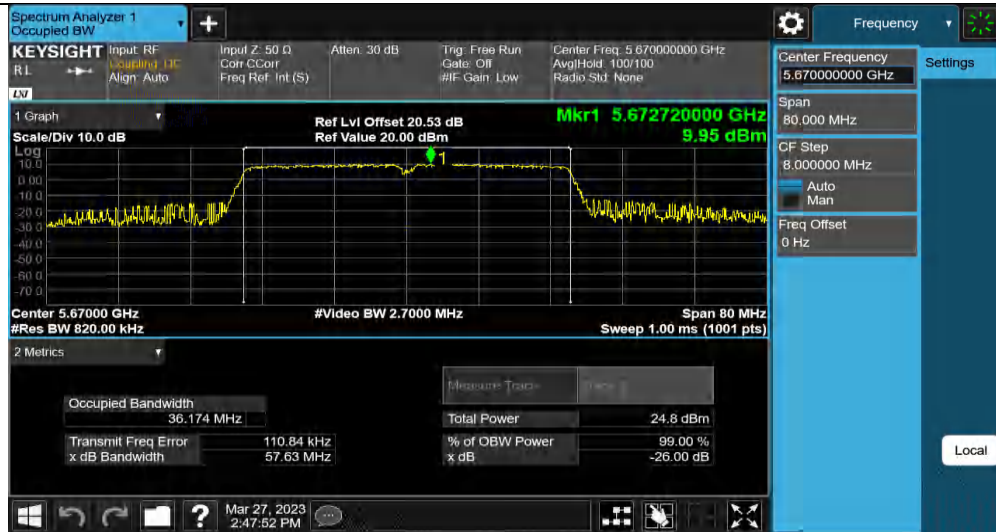
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11N40MIMO Ant0 5550



11N40MIMO Ant0 5670



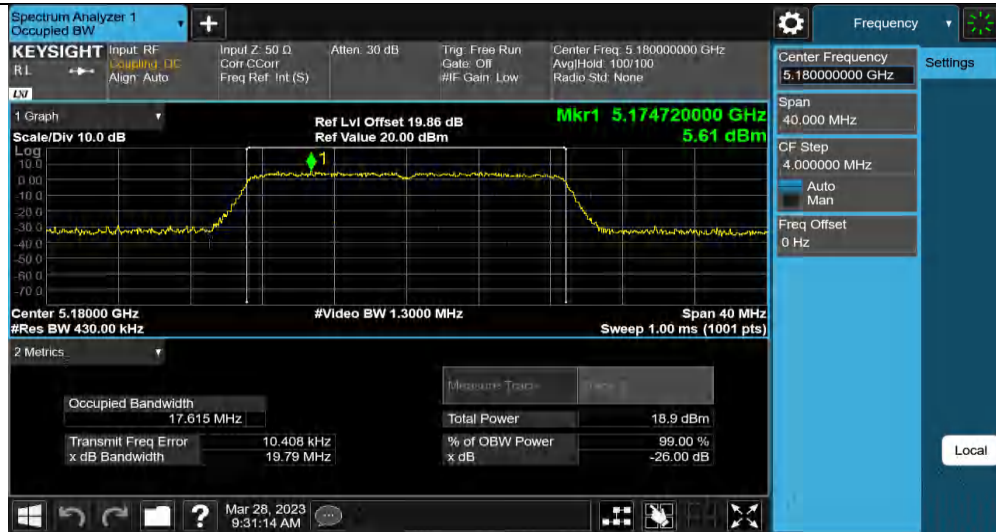
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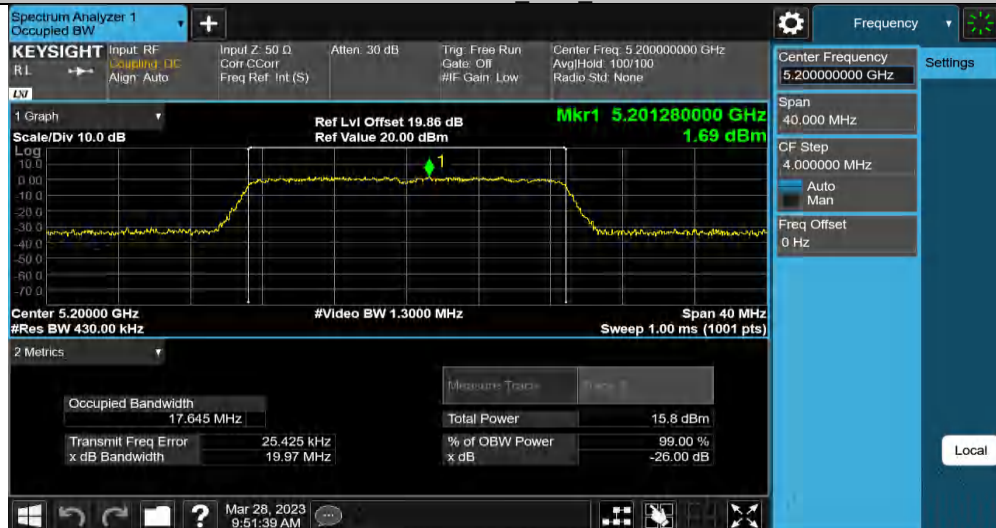
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11AC20MIMO_Ant0_5180



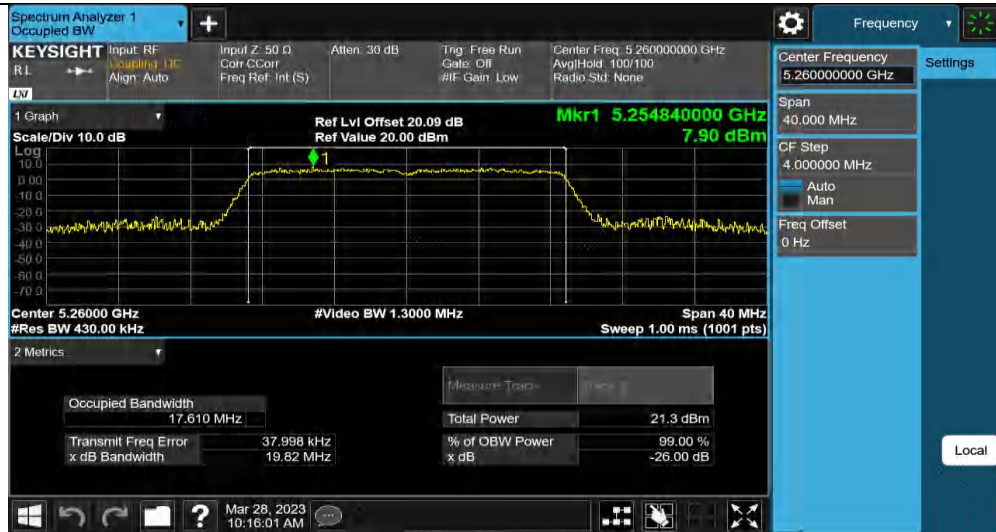
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11AC20MIMO_Ant0_5240



11AC20MIMO_Ant0_5260



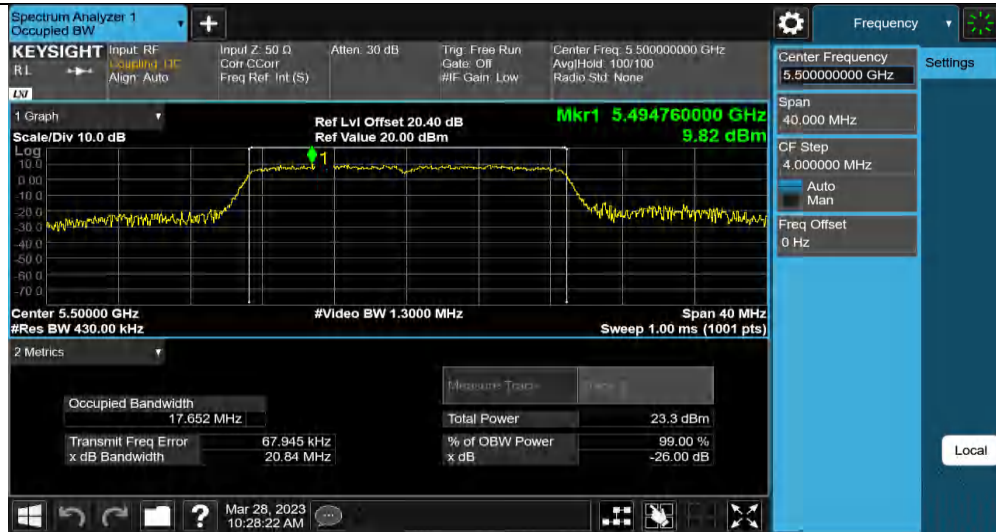
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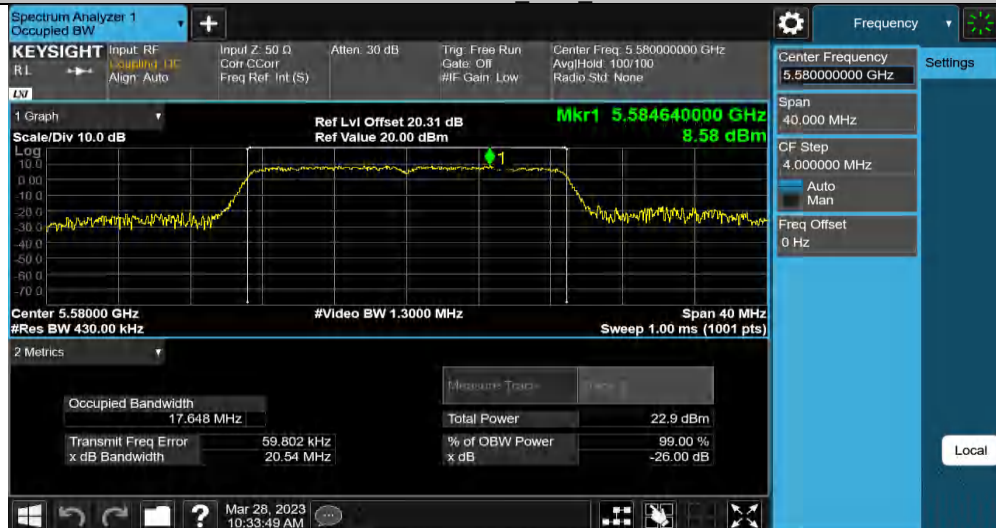
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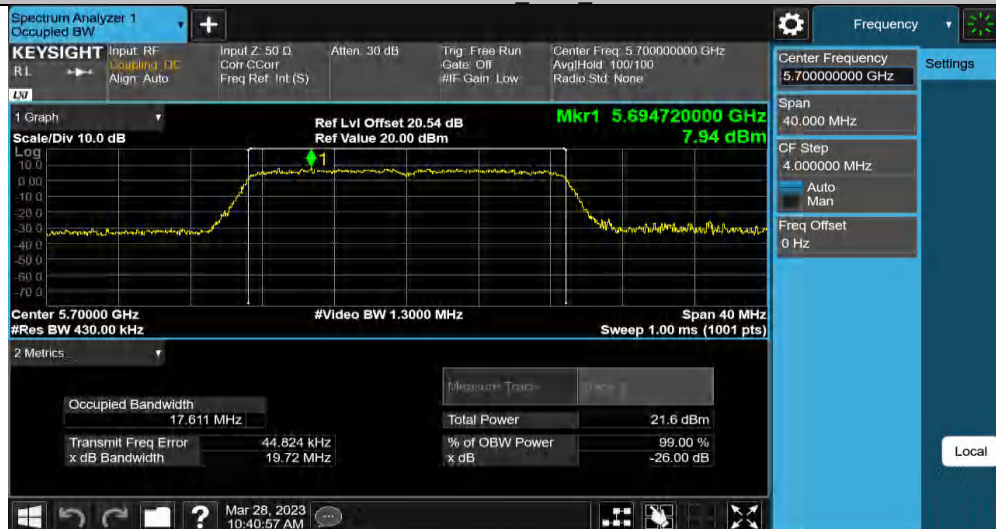
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11AC20MIMO_Ant0_5580



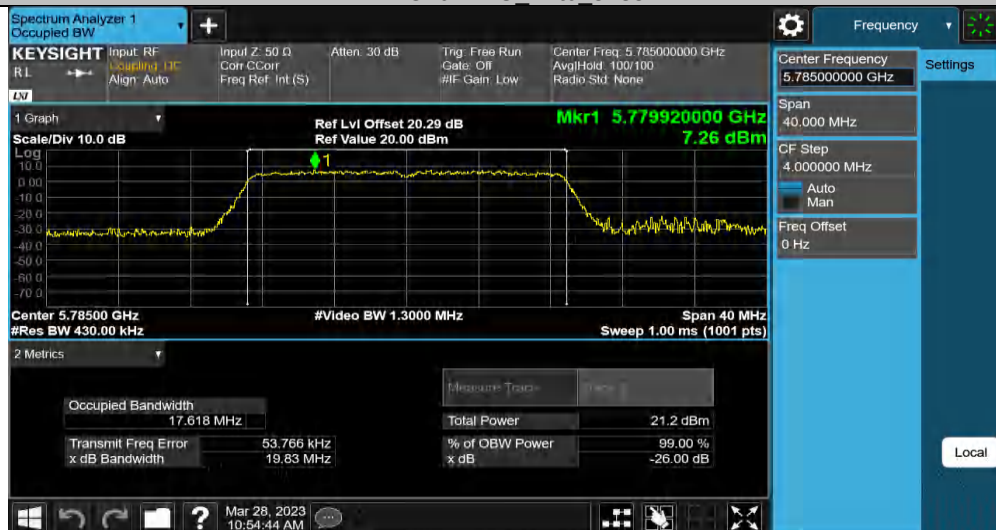
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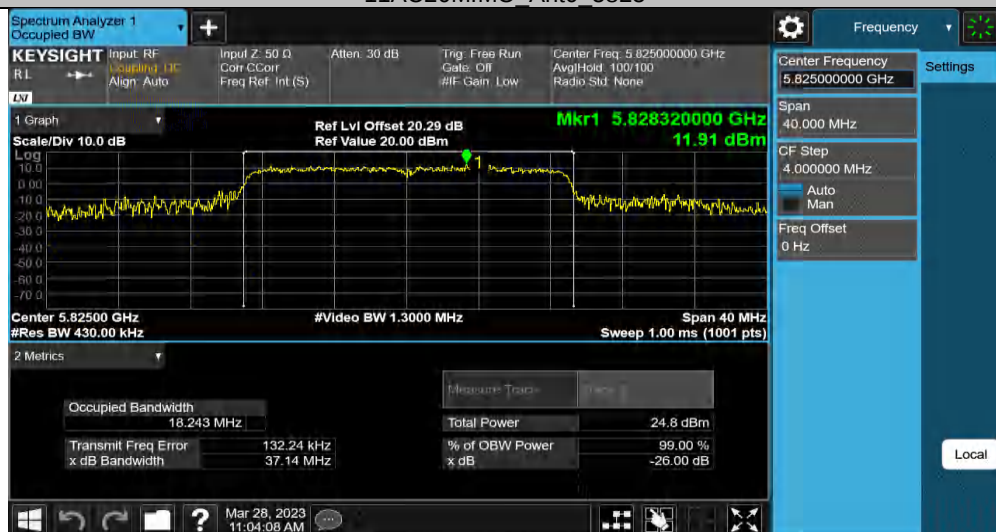
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11AC20MIMO_Ant0_5785



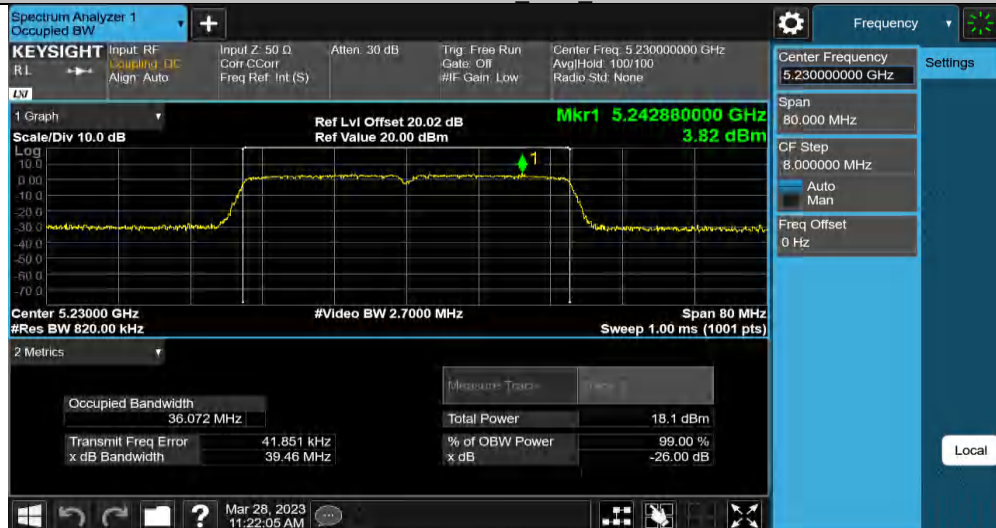
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11AC40MIMO_Ant0_5190



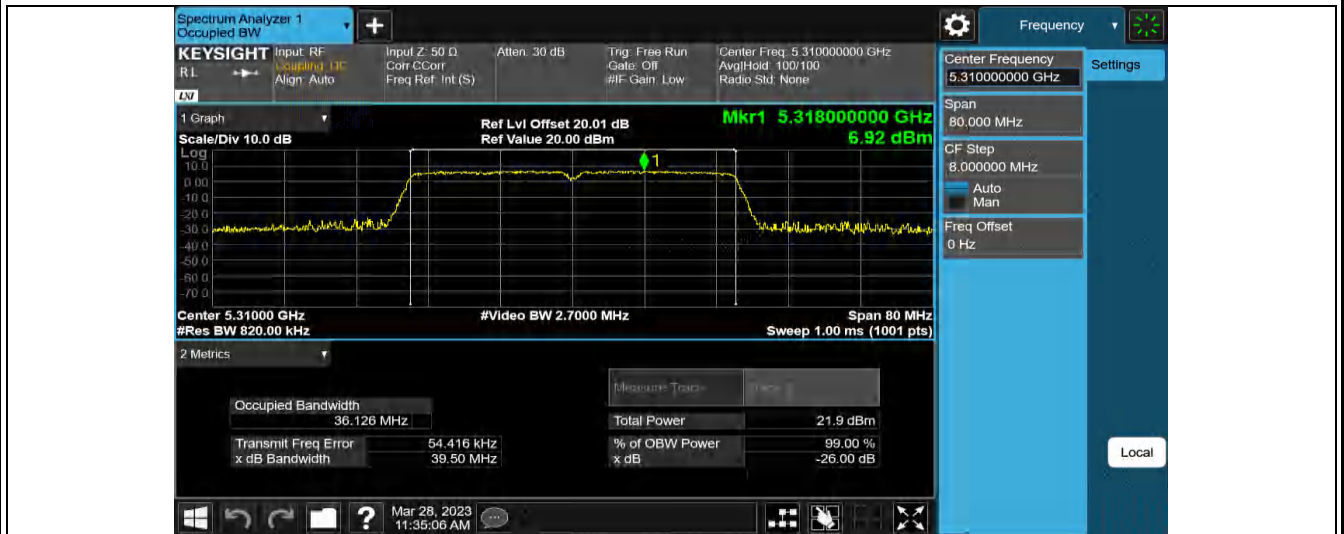
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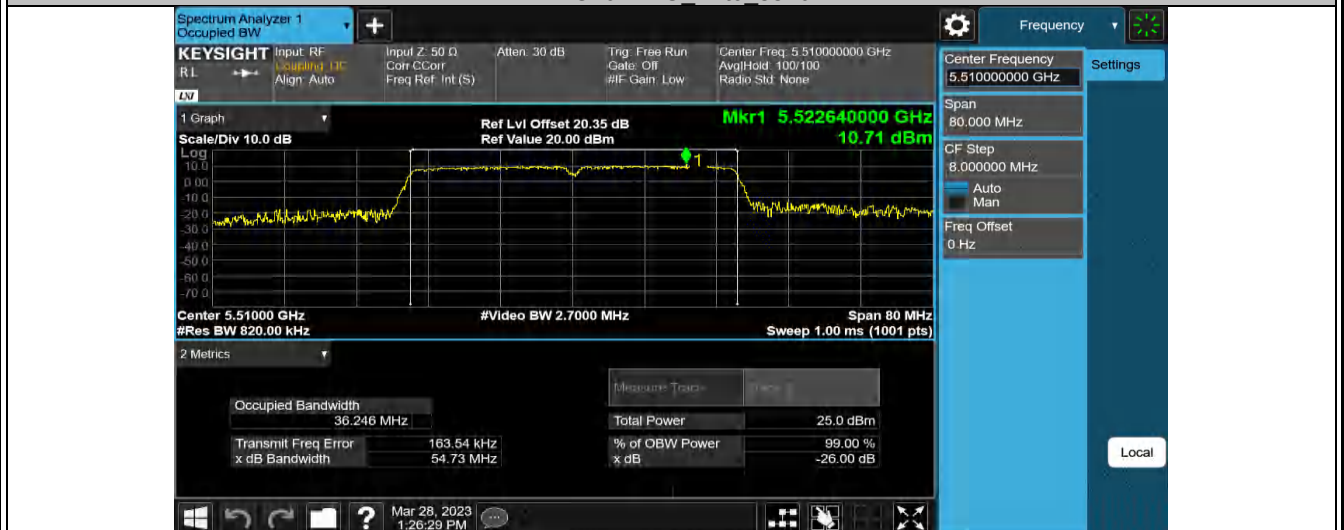
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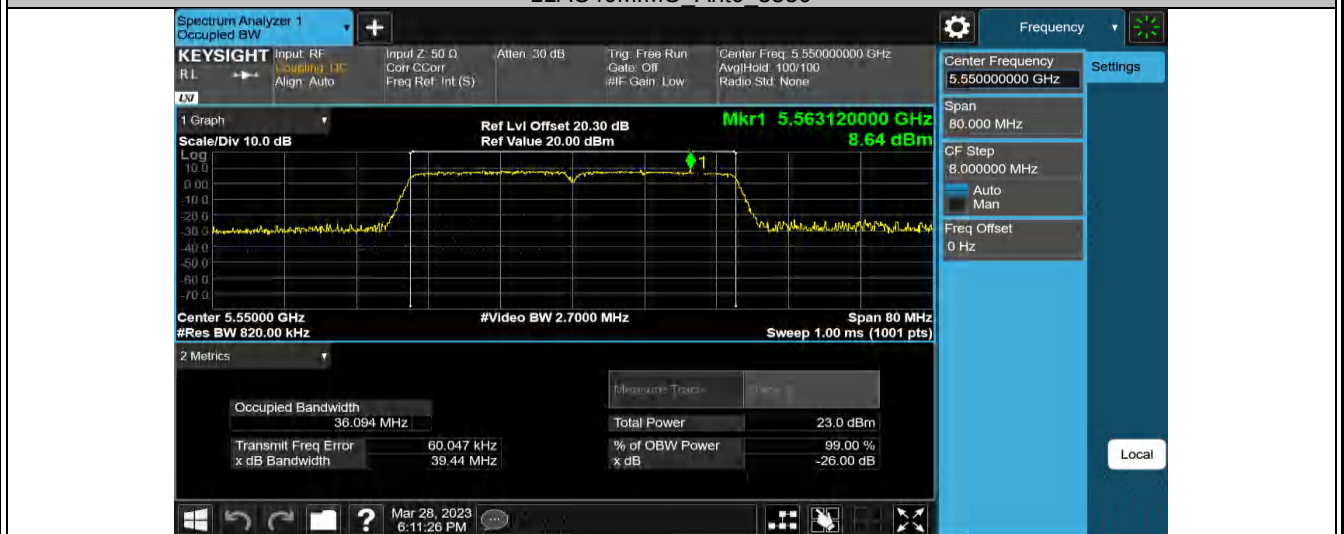
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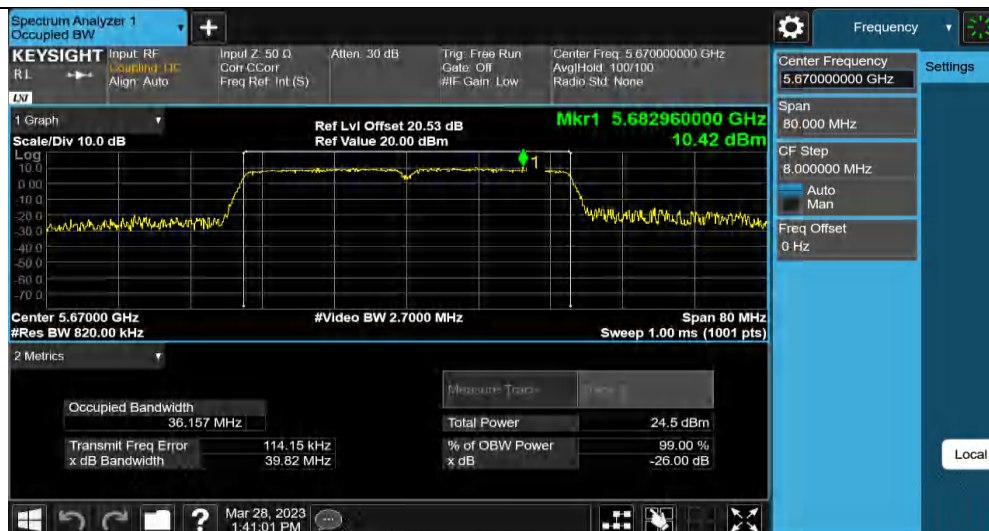
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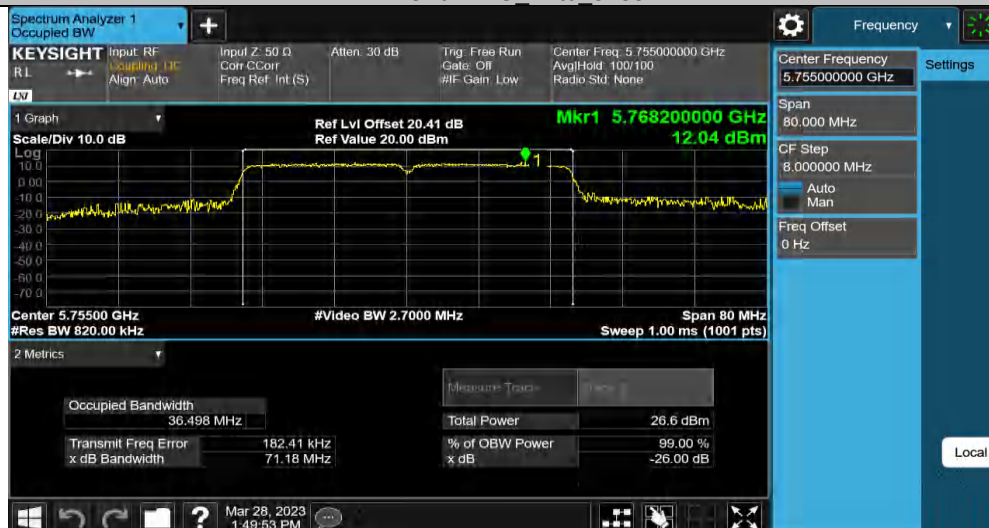
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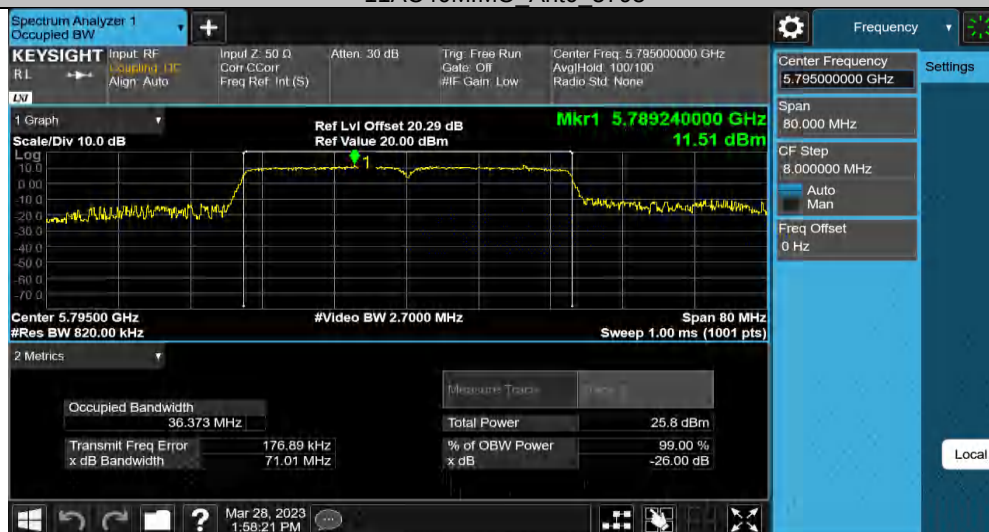
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11AC40MIMO_Ant0_5755



11AC40MIMO_Ant0_5795



11AC80MIMO_Ant0_5210