

Appendix A: Test Results of 5.2 / 5.8GHz Wi-Fi

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

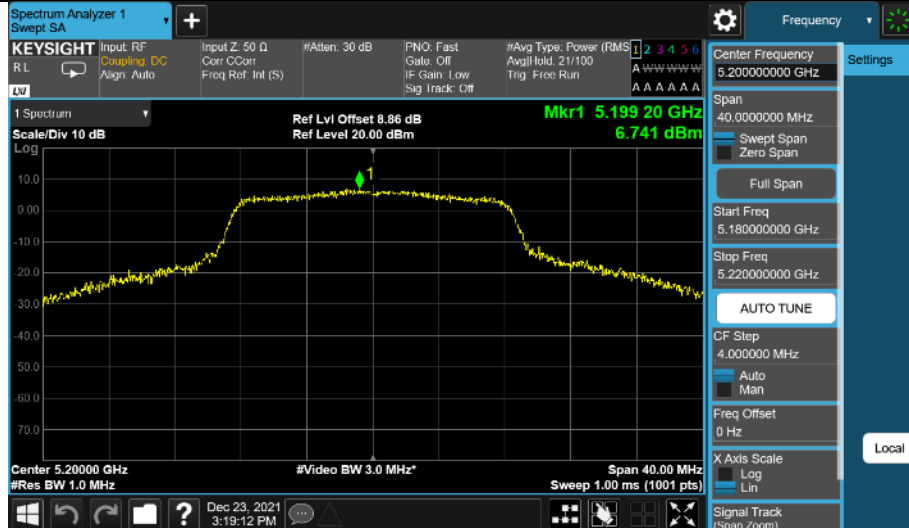
TestMode	Antenna	Channel	Power [dBm/MHz]	FCC Limit [dBm/MHz]	EIRP [dBm/MHz]	IC EIRP Limit [dBm/MHz]	Verdict
11A	Ant1	5180	6.78	≤11	8.78	10	PASS
		5200	6.74	≤11	8.74	10	PASS
		5240	6.75	≤11	8.75	10	PASS
		5745	3.11	≤30	---	---	PASS
		5785	3.99	≤30	---	---	PASS
		5825	3.93	≤30	---	---	PASS
11N20SISO	Ant1	5180	7.56	≤11	9.56	10	PASS
		5200	6.57	≤11	8.57	10	PASS
		5240	6.83	≤11	8.83	10	PASS
		5745	2.61	≤30	---	---	PASS
		5785	1.44	≤30	---	---	PASS
		5825	2.76	≤30	---	---	PASS
11N40SISO	Ant1	5190	4.48	≤11	6.48	10	PASS
		5230	4.73	≤11	6.73	10	PASS
		5755	-0.78	≤30	---	---	PASS
		5795	0.36	≤30	---	---	PASS
11AC20SISO	Ant1	5180	6.56	≤11	8.56	10	PASS
		5200	6.07	≤11	8.07	10	PASS
		5240	7.68	≤11	9.68	10	PASS
		5745	3.18	≤30	---	---	PASS
		5785	2.60	≤30	---	---	PASS
		5825	2.76	≤30	---	---	PASS
11AC40SISO	Ant1	5190	5.25	≤11	7.25	10	PASS
		5230	4.67	≤11	6.67	10	PASS
		5755	-0.59	≤30	---	---	PASS
		5795	0.24	≤30	---	---	PASS
11AC80SISO	Ant1	5210	-3.39	≤11	-1.39	10	PASS
		5775	-3.66	≤30	---	---	PASS

Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

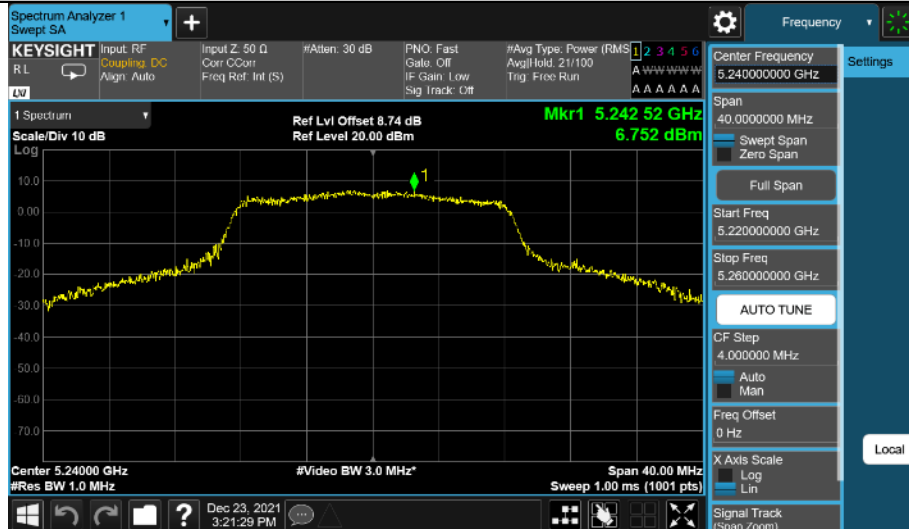
11A_Ant1_5180



11A_Ant1_5200



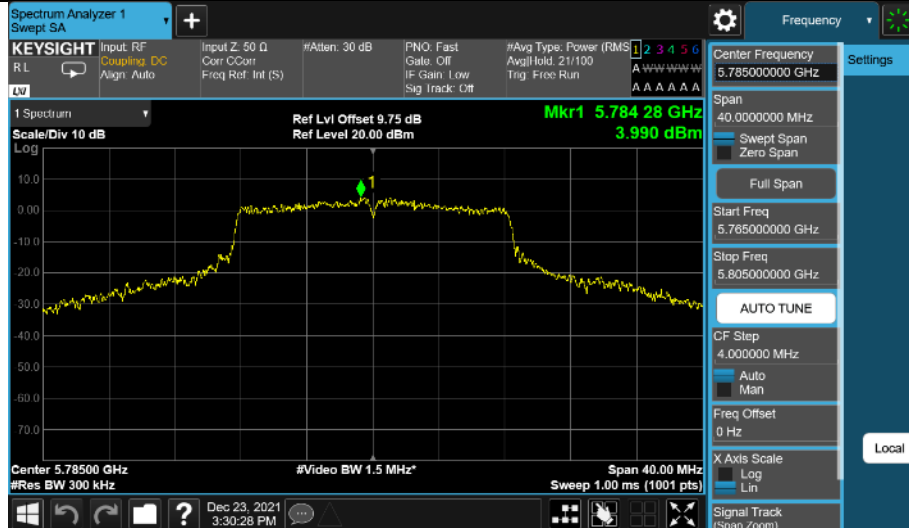
11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



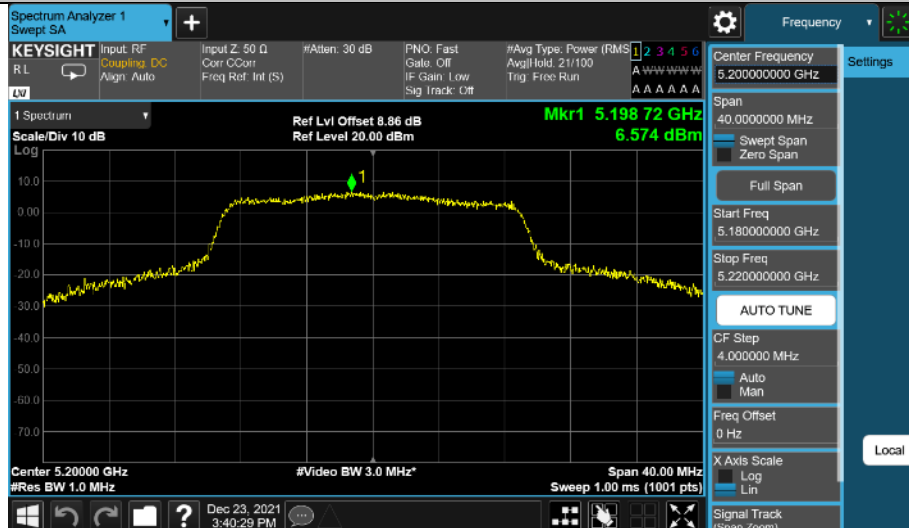
11A_Ant1_5825



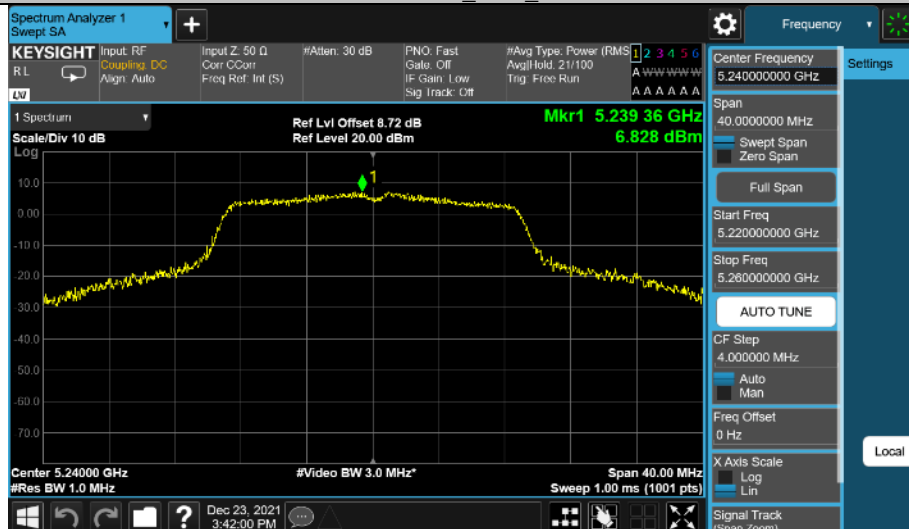
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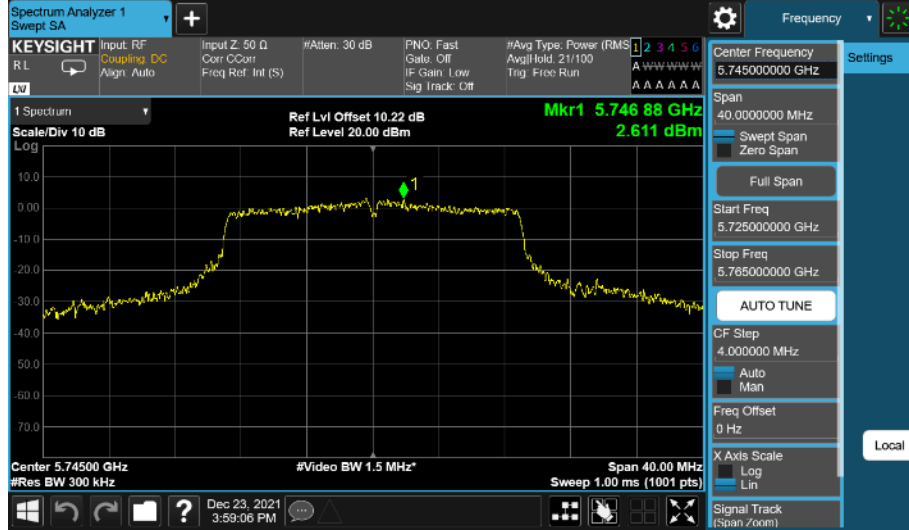
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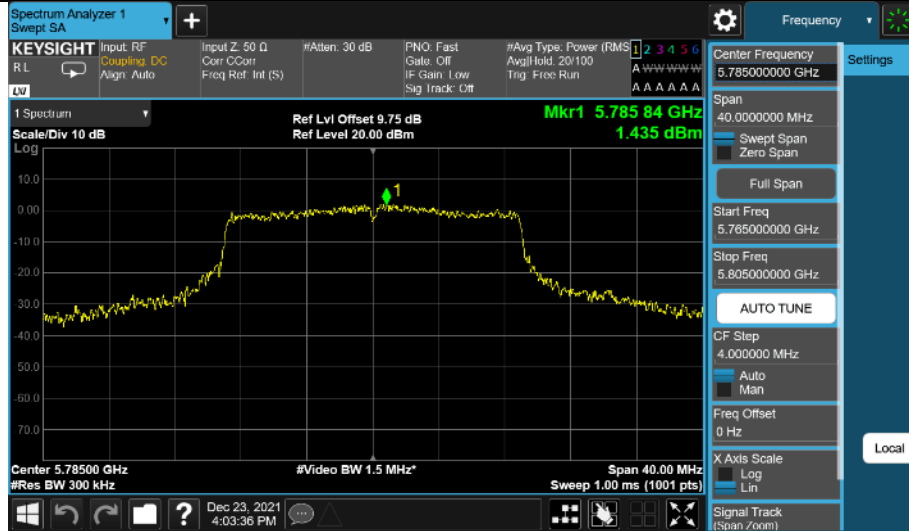
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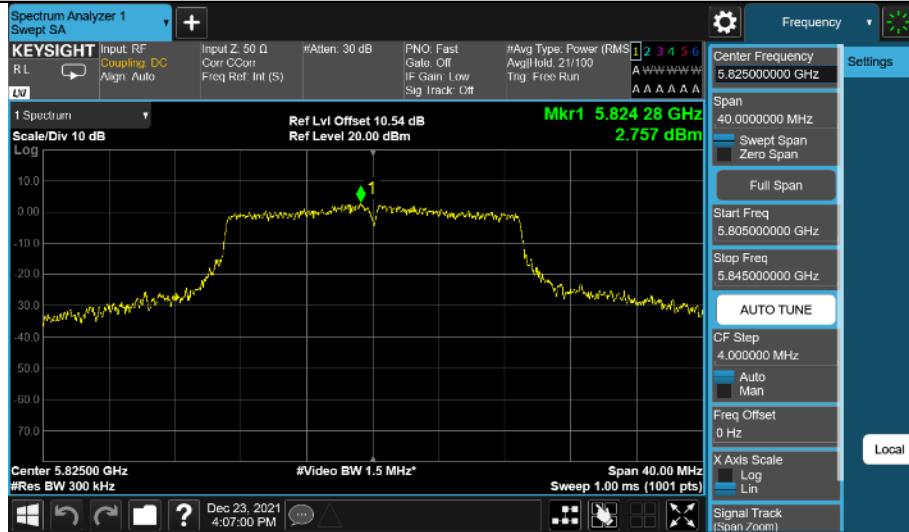
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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



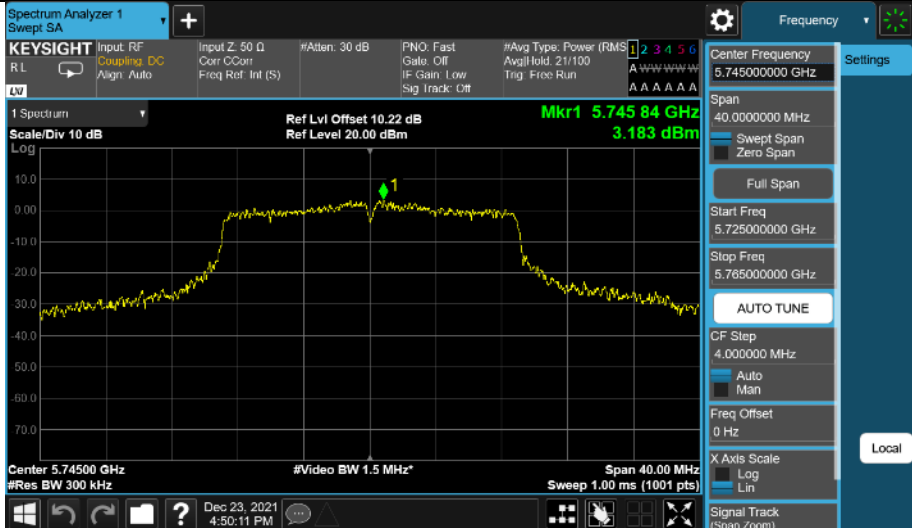




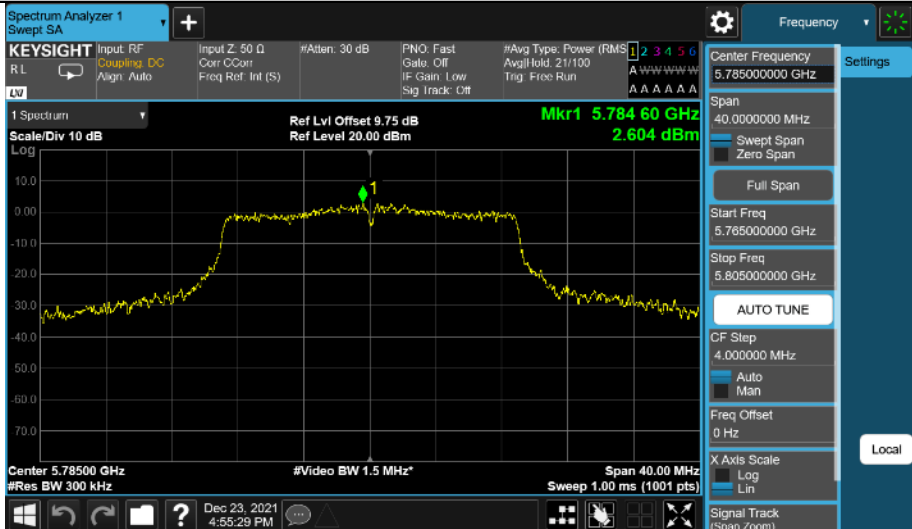
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11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785







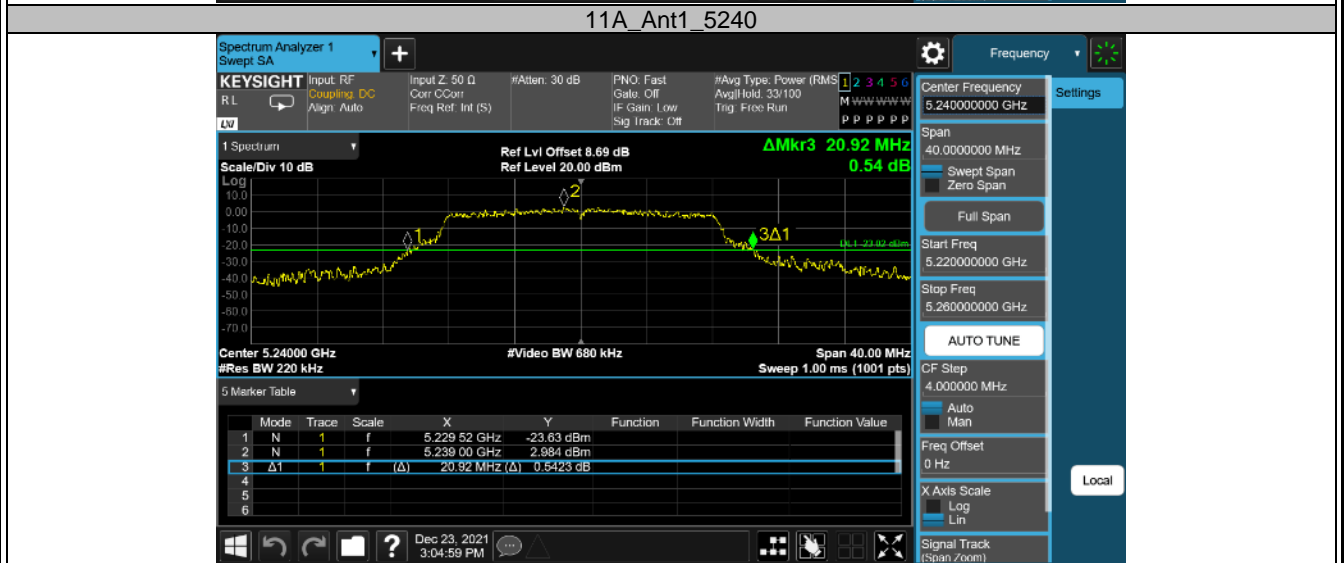
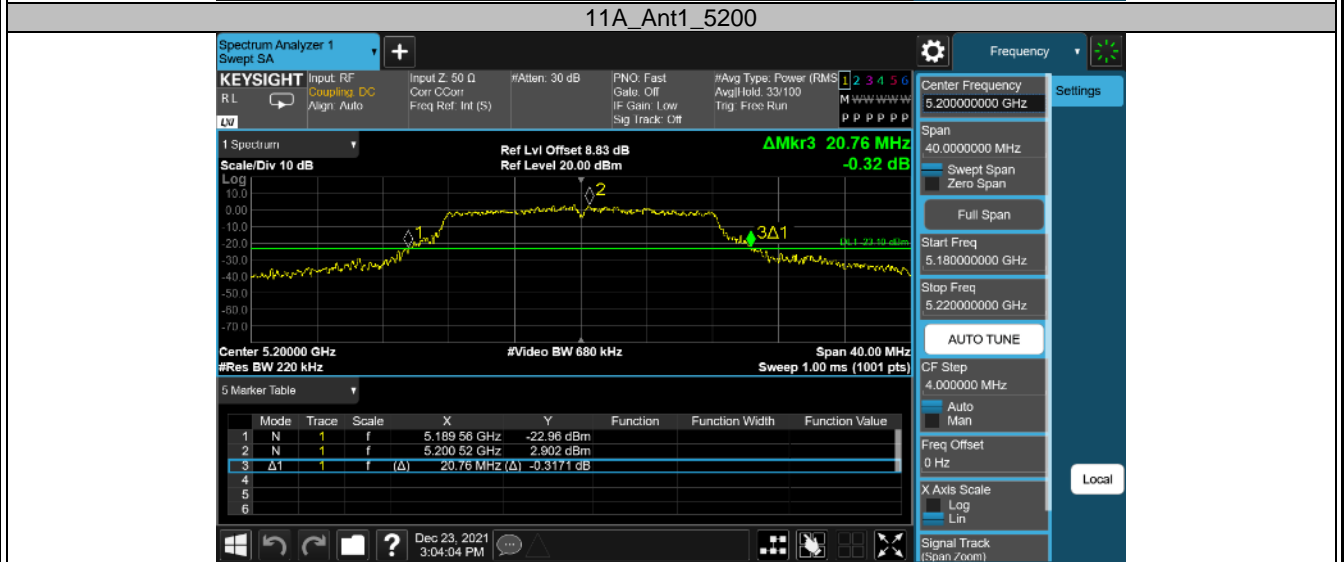
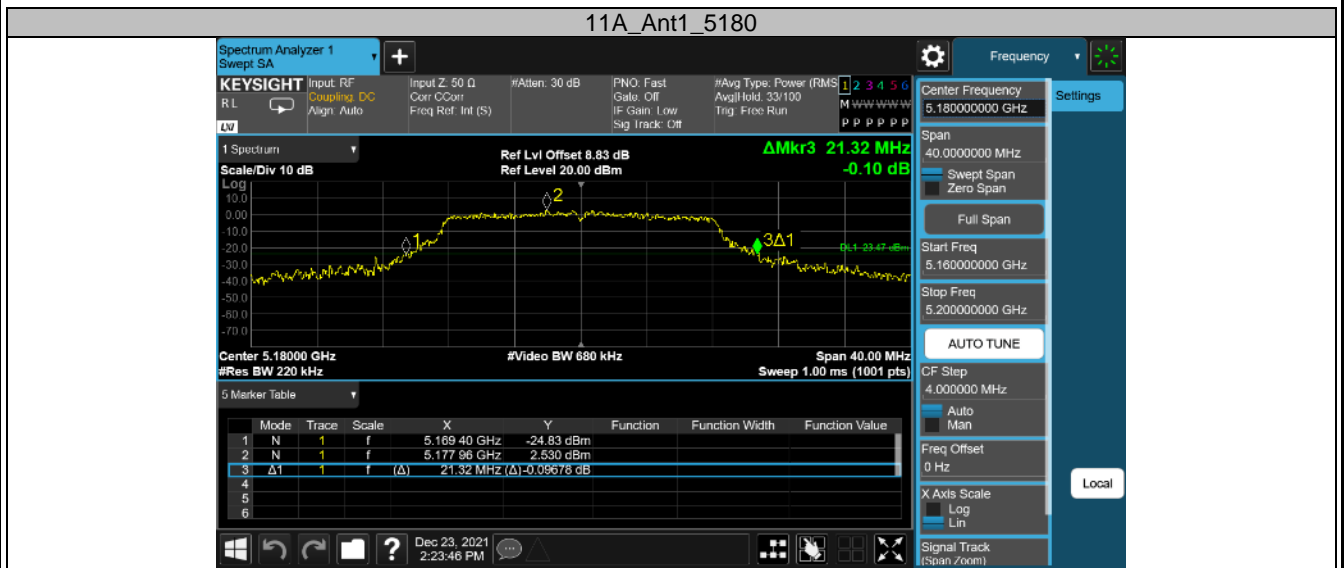


Appendix A.2: Test Results of Frequency Stability

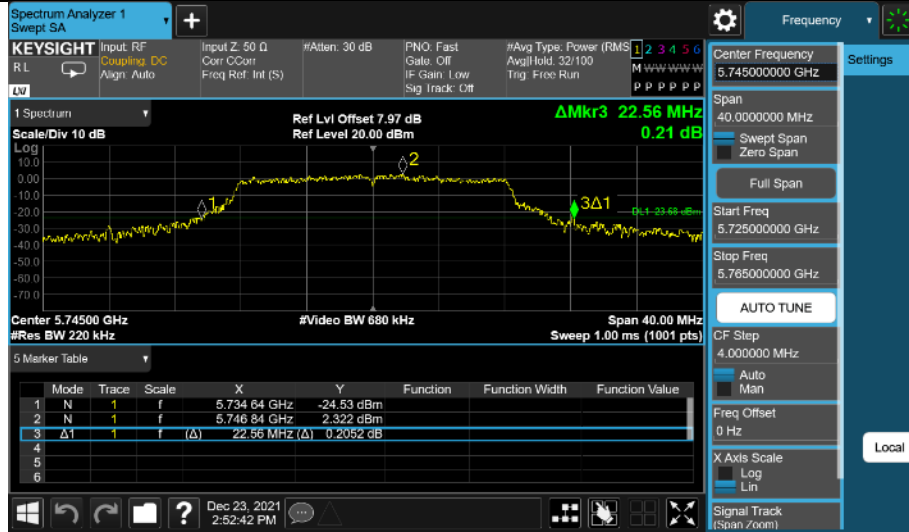
Voltage, Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20	Ant1	5180	NV	NT	28000	5.41	±20	PASS
		5200	NV	NT	32000	6.15	±20	PASS
		5240	NV	NT	35000	6.68	±20	PASS
		5745	NV	NT	50000	8.70	±20	PASS
		5785	NV	NT	54000	9.33	±20	PASS
		5825	NV	NT	54000	9.27	±20	PASS
11AC40	Ant1	5190	NV	NT	37000	7.13	±20	PASS
		5230	NV	NT	34000	6.50	±20	PASS
		5755	NV	NT	42000	7.30	±20	PASS
		5795	NV	NT	57000	9.84	±20	PASS
11AC80	Ant1	5210	NV	NT	42000	8.06	±20	PASS
		5775	NV	NT	51000	8.83	±20	PASS

Appendix A.3: Test Results of 26dB Bandwidth

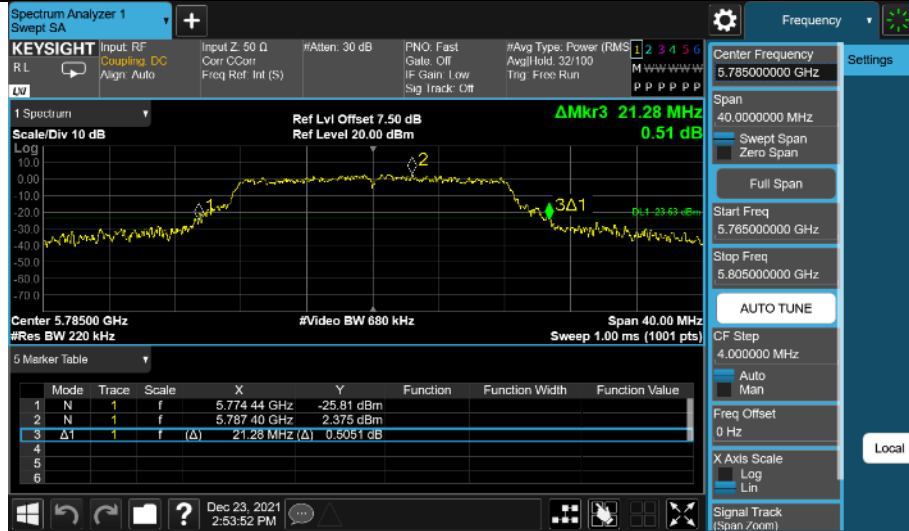
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.320	5169.400	5190.720	---	PASS
		5200	20.760	5189.560	5210.320	---	PASS
		5240	20.920	5229.520	5250.440	---	PASS
		5745	22.560	5734.640	5757.200	---	PASS
		5785	21.280	5774.440	5795.720	---	PASS
		5825	20.840	5814.760	5835.600	---	PASS
11N20SISO	Ant1	5180	20.800	5169.480	5190.280	---	PASS
		5200	21.160	5189.320	5210.480	---	PASS
		5240	20.440	5229.640	5250.080	---	PASS
		5745	21.440	5734.280	5755.720	---	PASS
		5785	21.040	5774.440	5795.480	---	PASS
		5825	21.120	5814.360	5835.480	---	PASS
11N40SISO	Ant1	5190	39.120	5170.640	5209.760	---	PASS
		5230	39.120	5210.480	5249.600	---	PASS
		5755	38.960	5735.400	5774.360	---	PASS
		5795	39.360	5775.400	5814.760	---	PASS
11AC20SISO	Ant1	5180	21.240	5169.560	5190.800	---	PASS
		5200	21.360	5189.280	5210.640	---	PASS
		5240	20.960	5229.520	5250.480	---	PASS
		5745	21.120	5734.440	5755.560	---	PASS
		5785	21.000	5774.400	5795.400	---	PASS
		5825	21.480	5814.400	5835.880	---	PASS
11AC40SISO	Ant1	5190	39.360	5170.160	5209.520	---	PASS
		5230	39.200	5210.400	5249.600	---	PASS
		5755	39.440	5735.240	5774.680	---	PASS
		5795	39.040	5775.560	5814.600	---	PASS
11AC80SISO	Ant1	5210	81.120	5169.200	5250.320	---	PASS
		5775	80.320	5735.160	5815.480	---	PASS



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



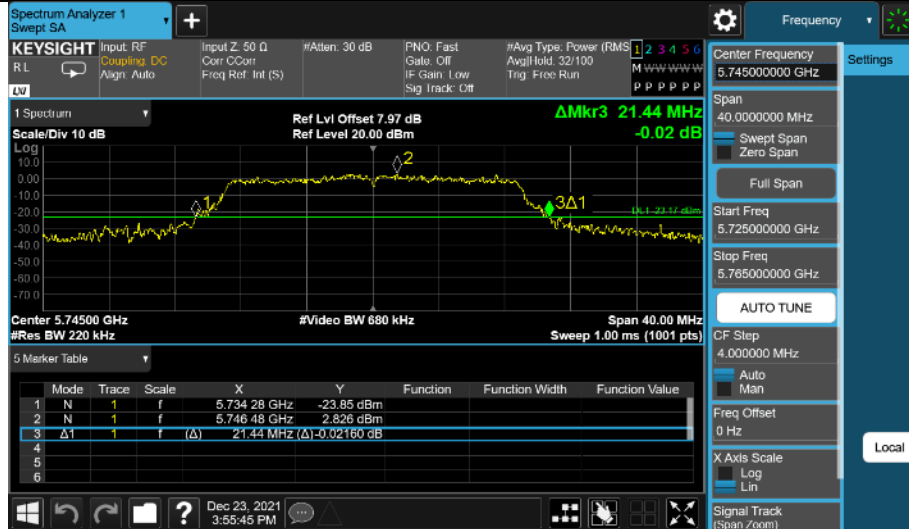
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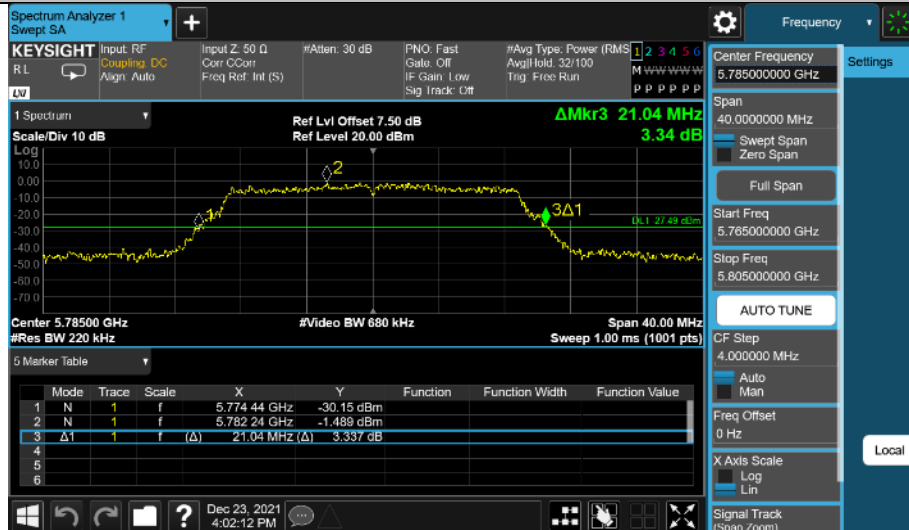
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11N20SISO_Ant1_5745



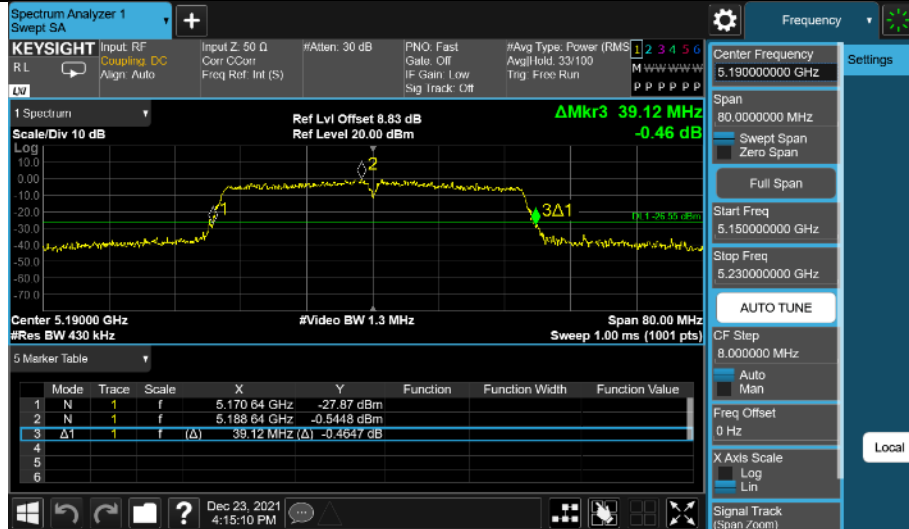
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



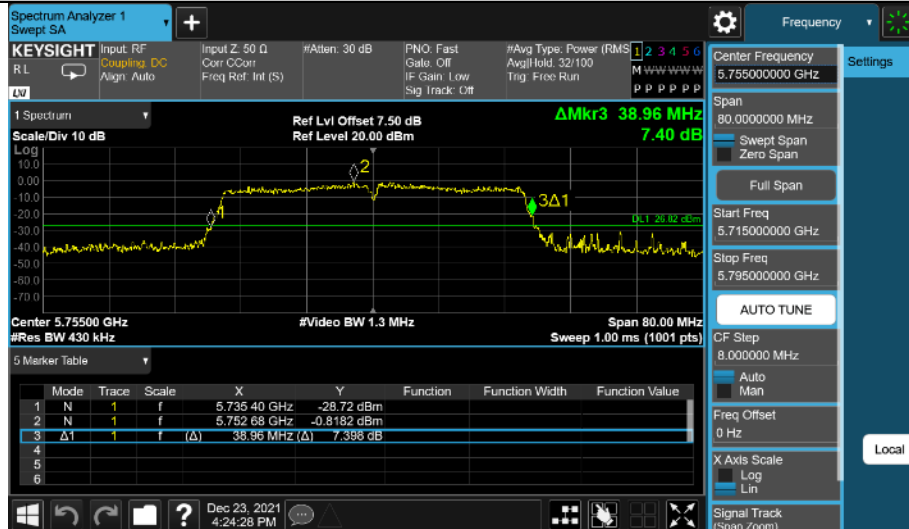
11N40SISO_Ant1_5190



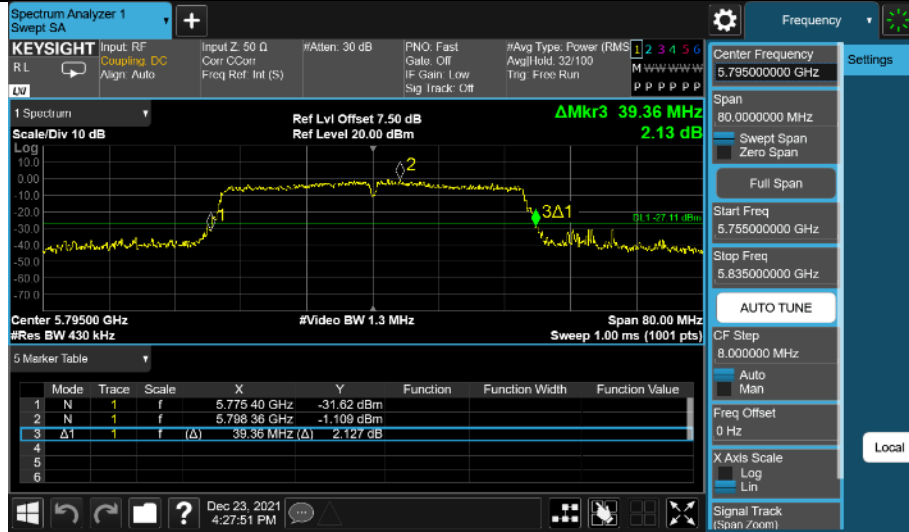
11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

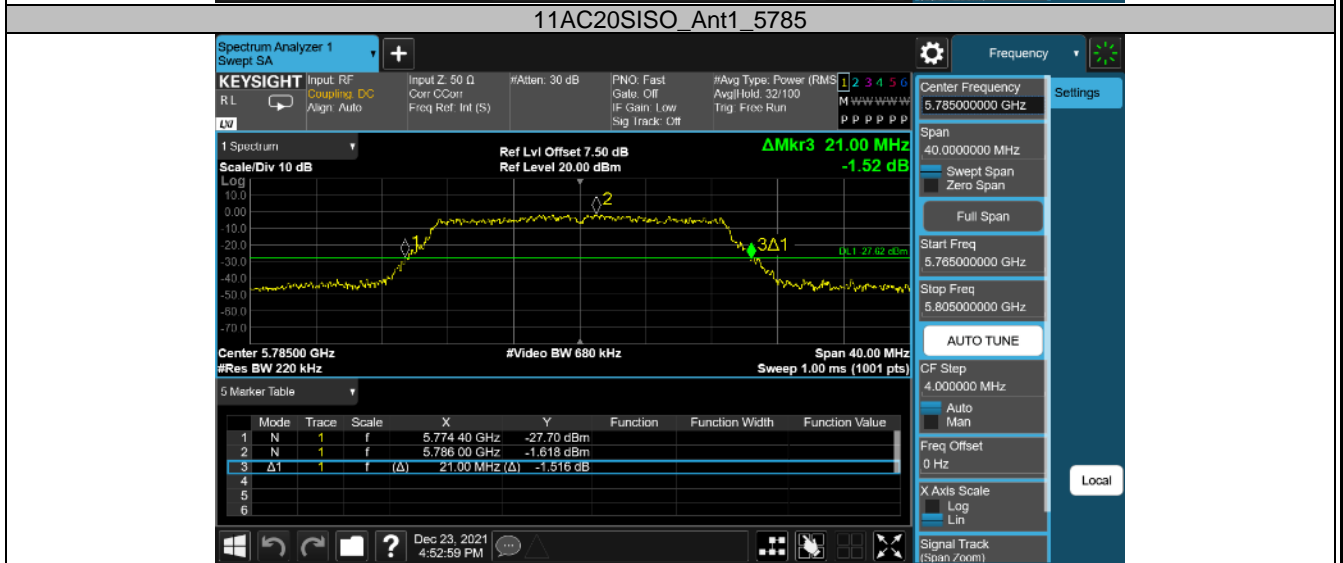
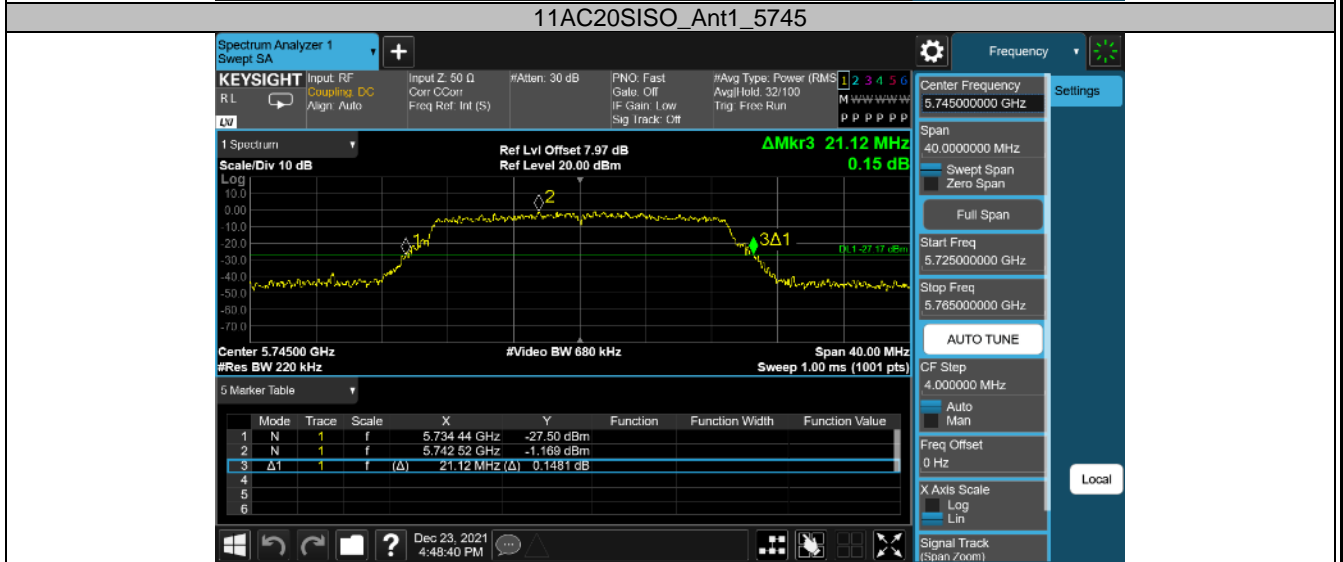


11AC20SISO_Ant1_5180

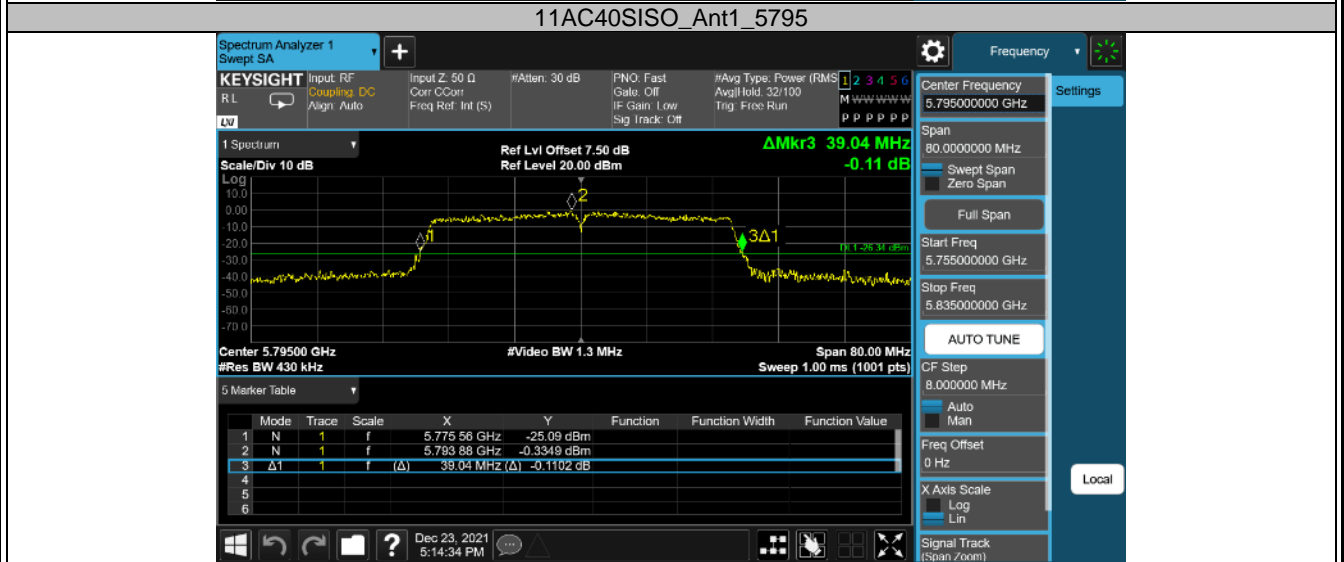
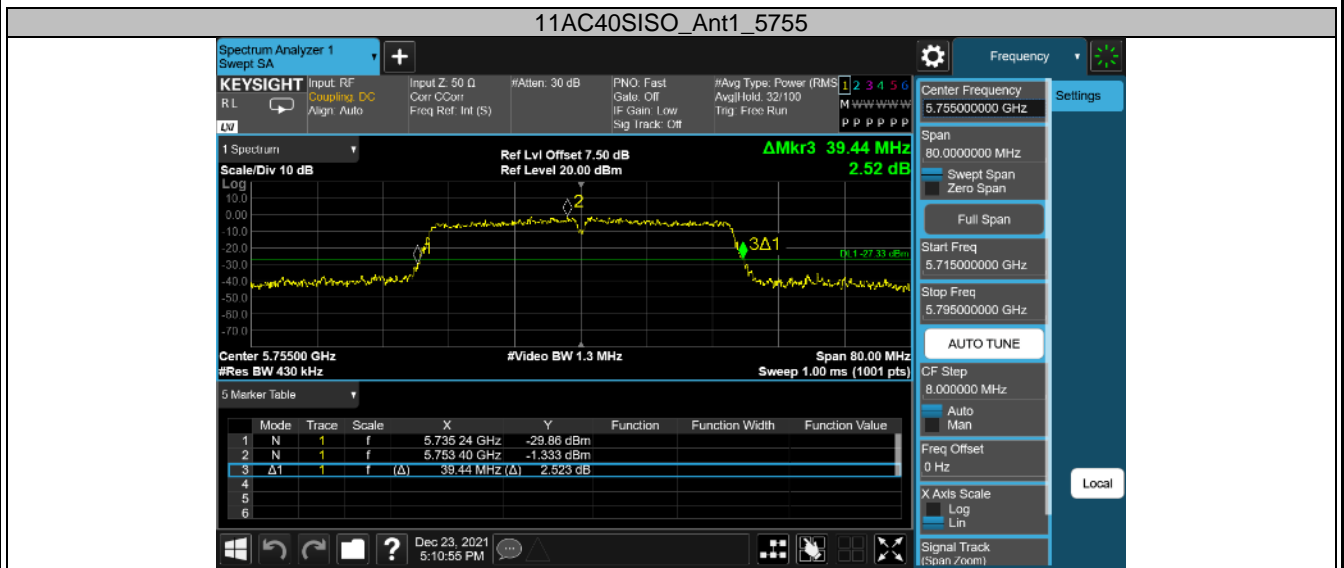


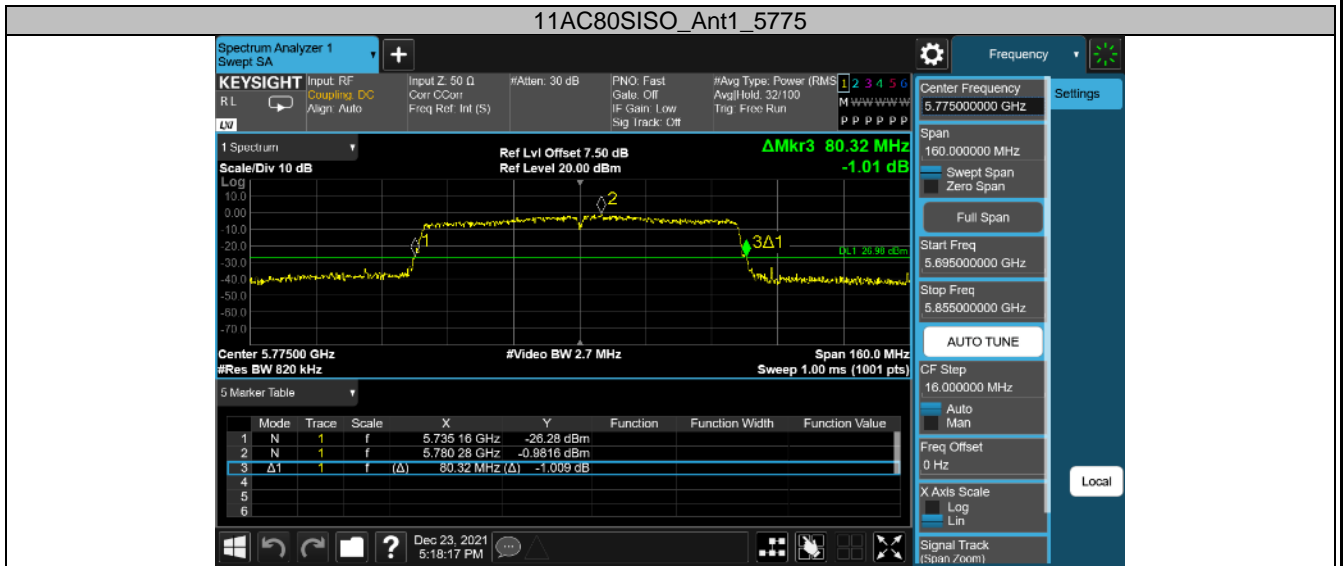
11AC20SISO_Ant1_5200





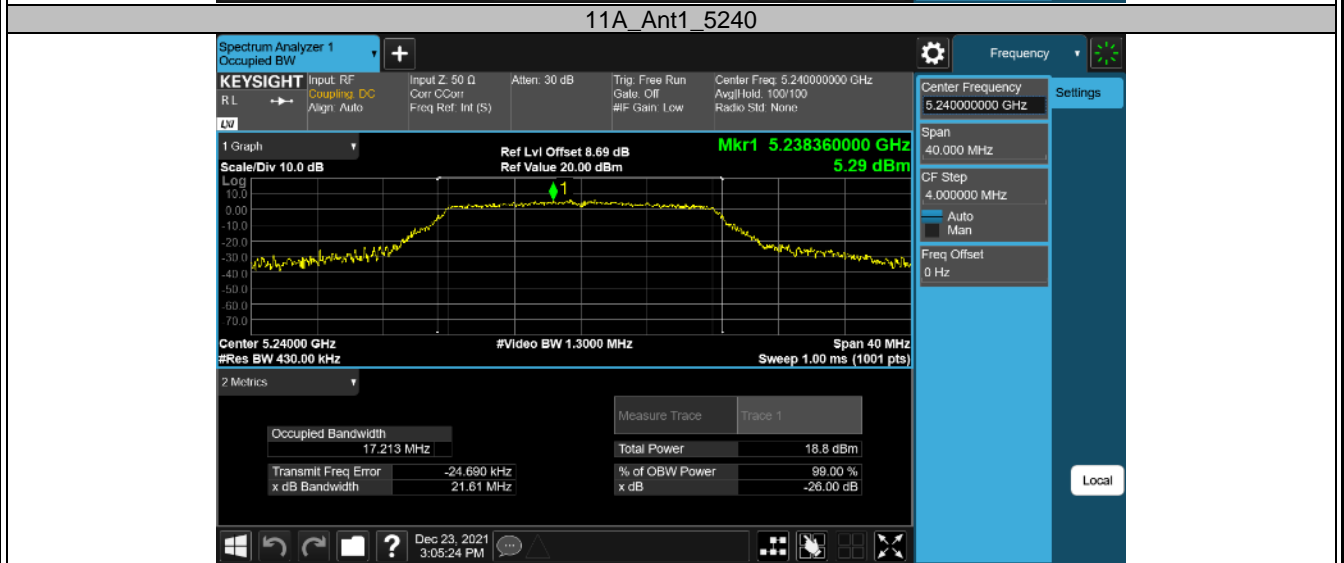
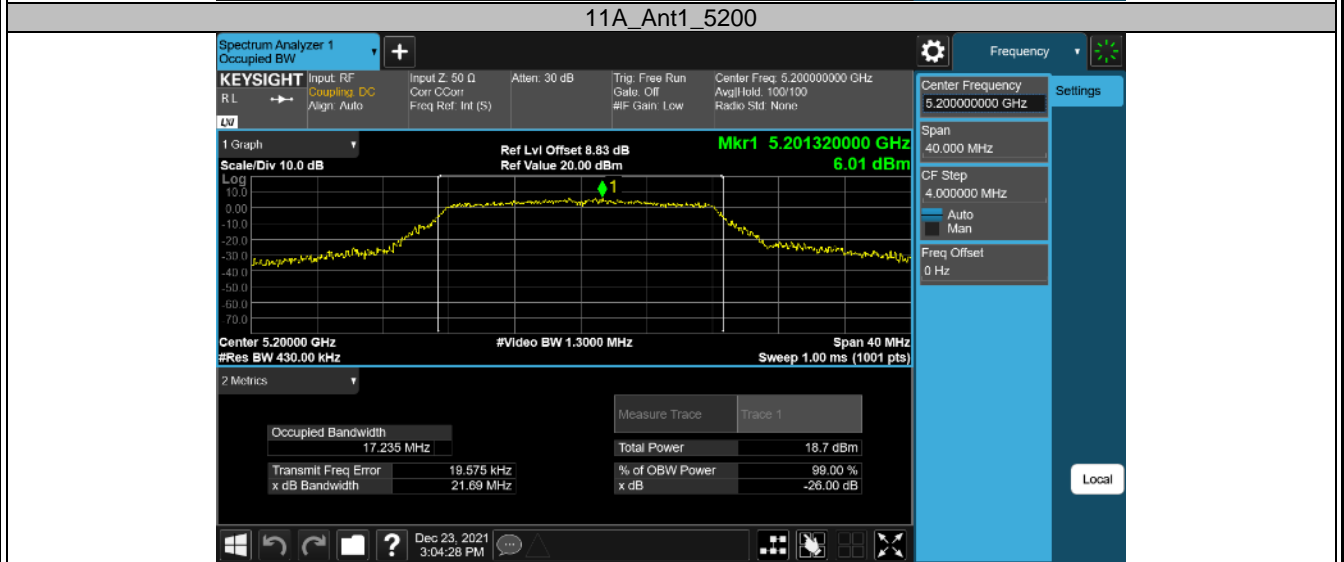


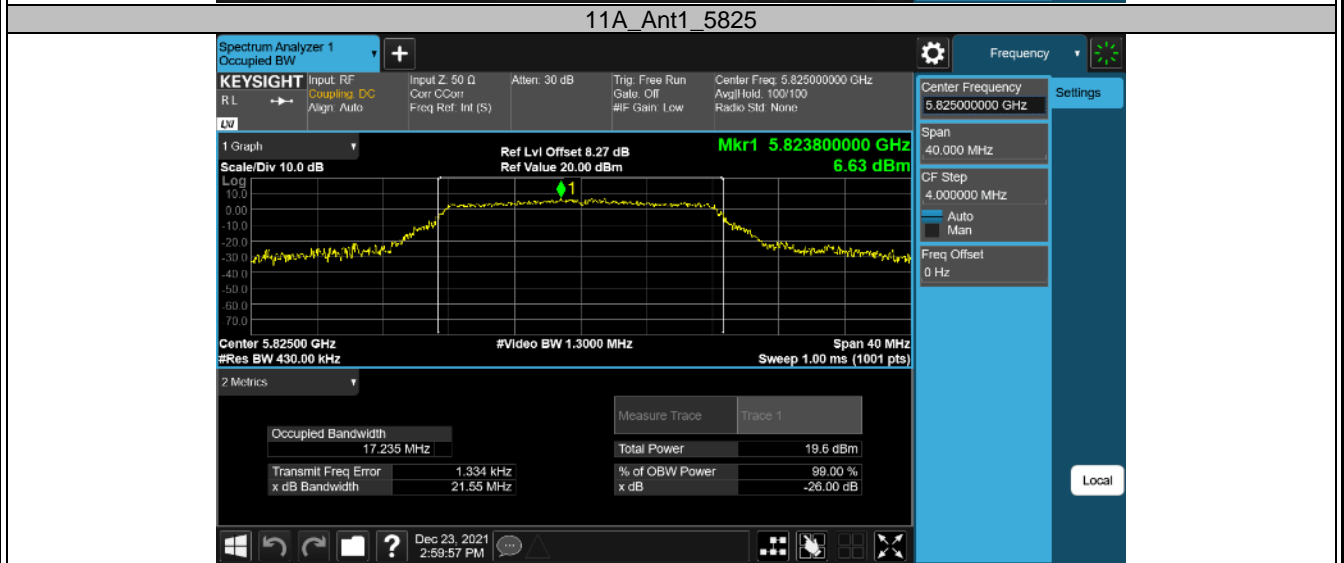
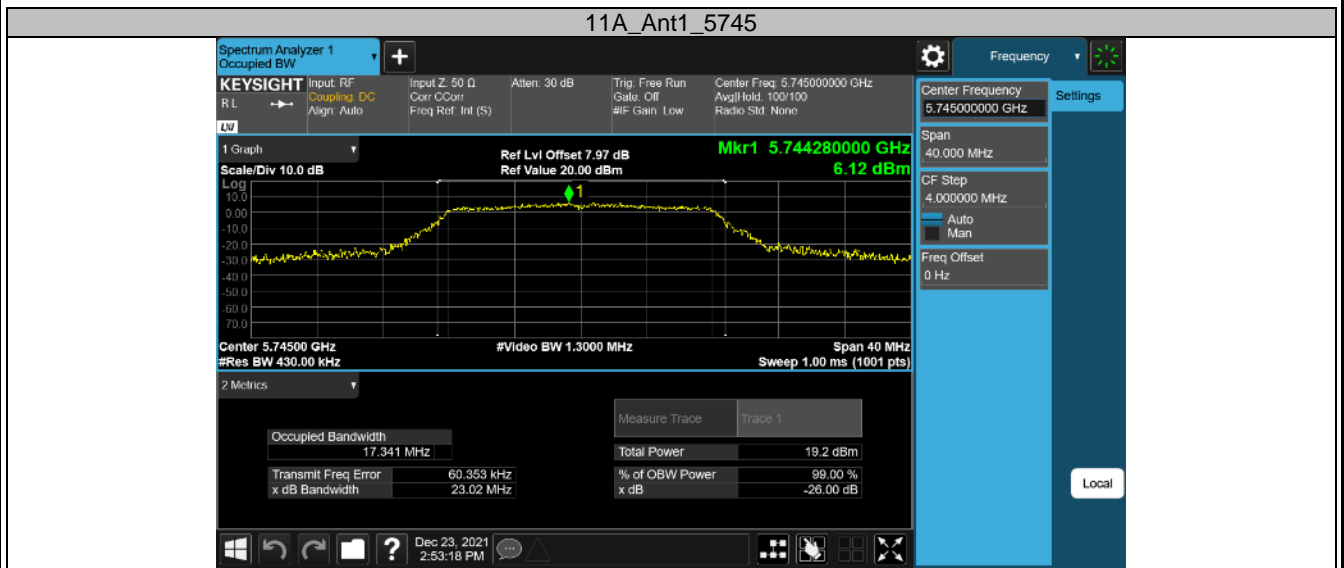




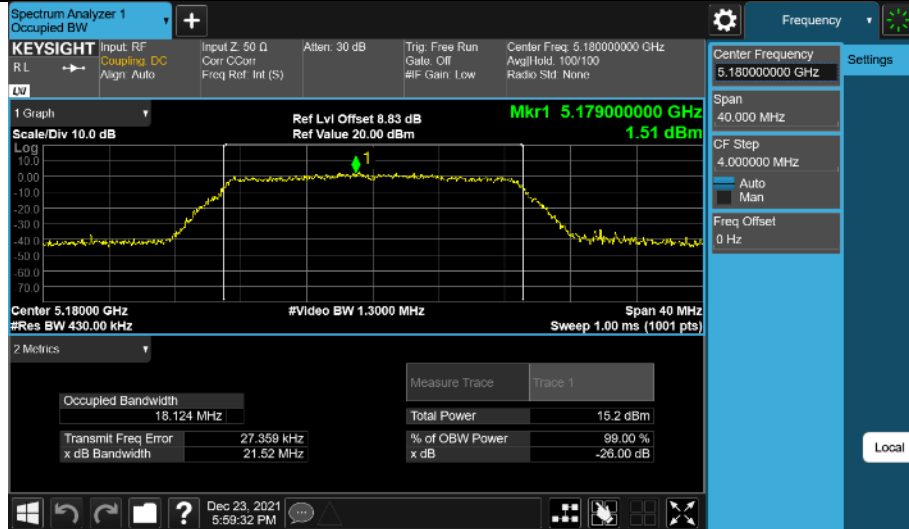
Appendix A.4: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.133	5171.401	5188.534	---	PASS
		5200	17.235	5191.402	5208.637	---	PASS
		5240	17.213	5231.369	5248.582	---	PASS
		5745	17.341	5736.390	5753.731	---	PASS
		5785	17.231	5776.412	5793.643	---	PASS
		5825	17.235	5816.384	5833.619	---	PASS
11N20SISO	Ant1	5180	18.124	5170.965	5189.089	---	PASS
		5200	18.138	5190.911	5209.049	---	PASS
		5240	18.005	5230.974	5248.979	---	PASS
		5745	18.310	5735.884	5754.194	---	PASS
		5785	18.192	5775.979	5794.171	---	PASS
		5825	18.743	5815.787	5834.530	---	PASS
11N40SISO	Ant1	5190	36.291	5171.808	5208.099	---	PASS
		5230	36.223	5211.976	5248.199	---	PASS
		5755	36.335	5736.972	5773.307	---	PASS
		5795	36.254	5776.915	5813.169	---	PASS
		5825	36.254	5776.915	5813.169	---	PASS
11AC20SISO	Ant1	5180	18.073	5170.966	5189.039	---	PASS
		5200	18.088	5190.940	5209.028	---	PASS
		5240	18.034	5230.957	5248.991	---	PASS
		5745	18.766	5735.814	5754.580	---	PASS
		5785	18.229	5775.962	5794.191	---	PASS
		5825	18.289	5815.930	5834.219	---	PASS
11AC40SISO	Ant1	5190	36.270	5171.804	5208.074	---	PASS
		5230	36.260	5211.907	5248.167	---	PASS
		5755	36.340	5736.923	5773.263	---	PASS
		5795	36.203	5776.974	5813.177	---	PASS
		5825	36.203	5776.974	5813.177	---	PASS
11AC80SISO	Ant1	5210	75.911	5172.252	5248.163	---	PASS
		5775	75.615	5737.479	5813.094	---	PASS

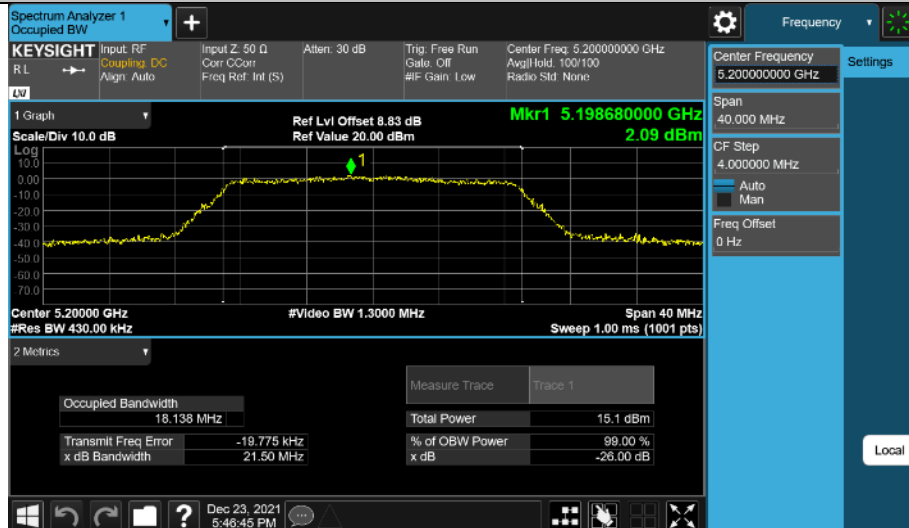




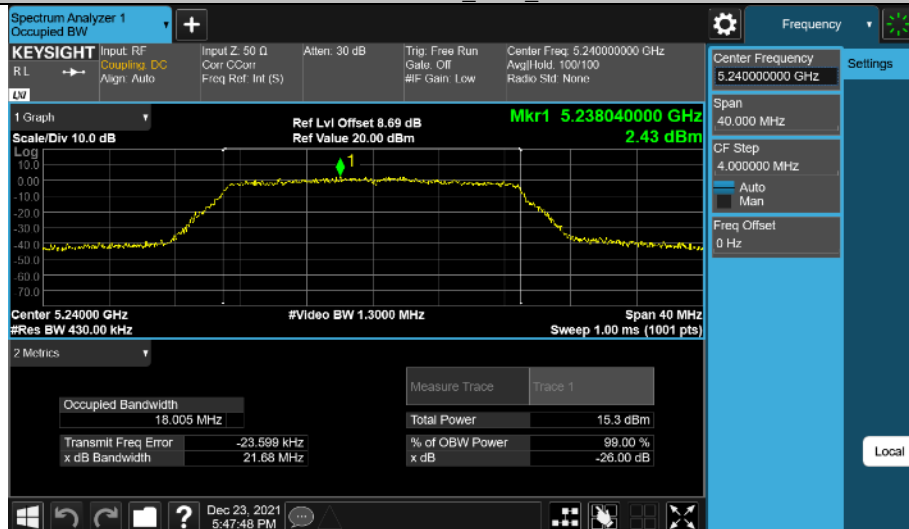
11N20SISO_Ant1_5180

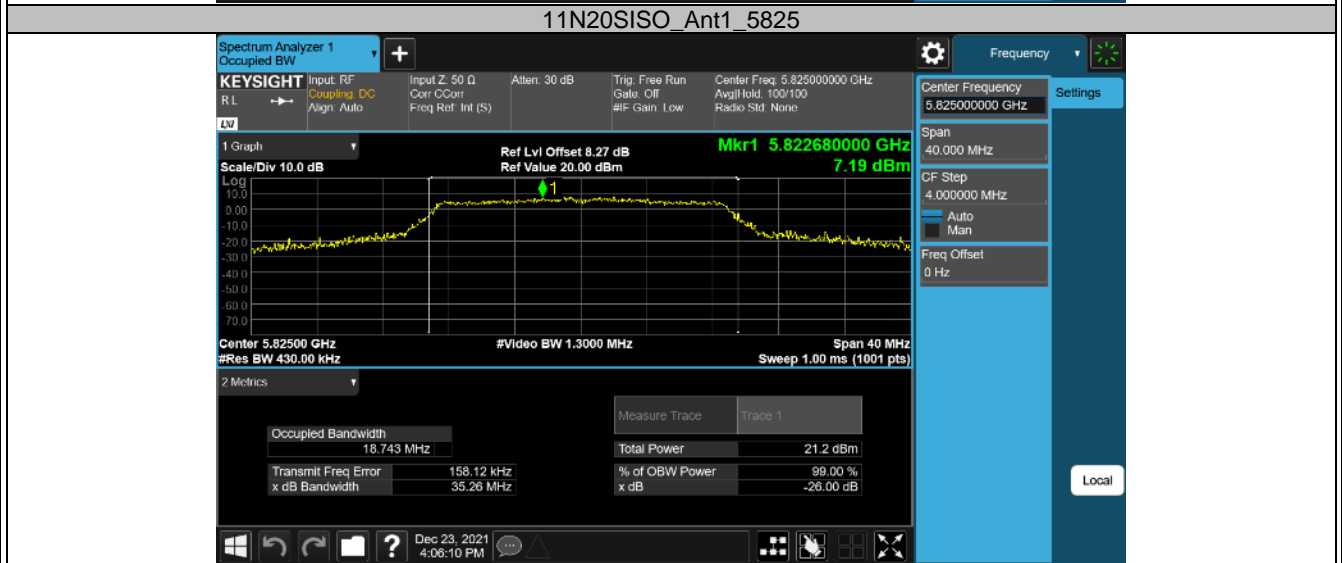
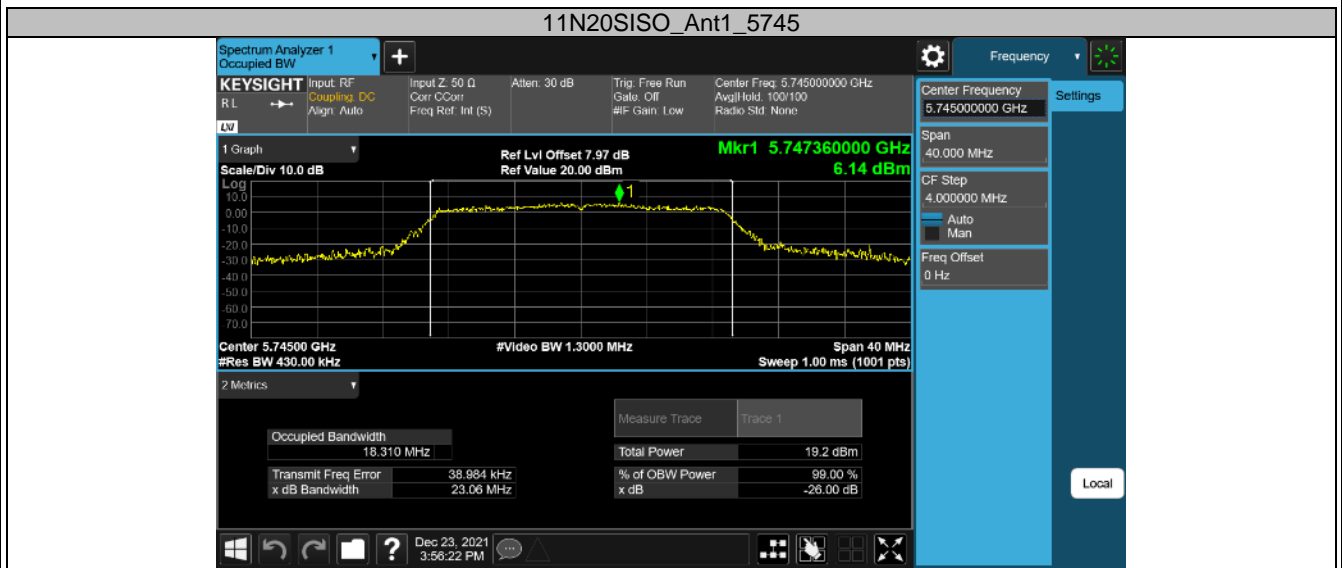


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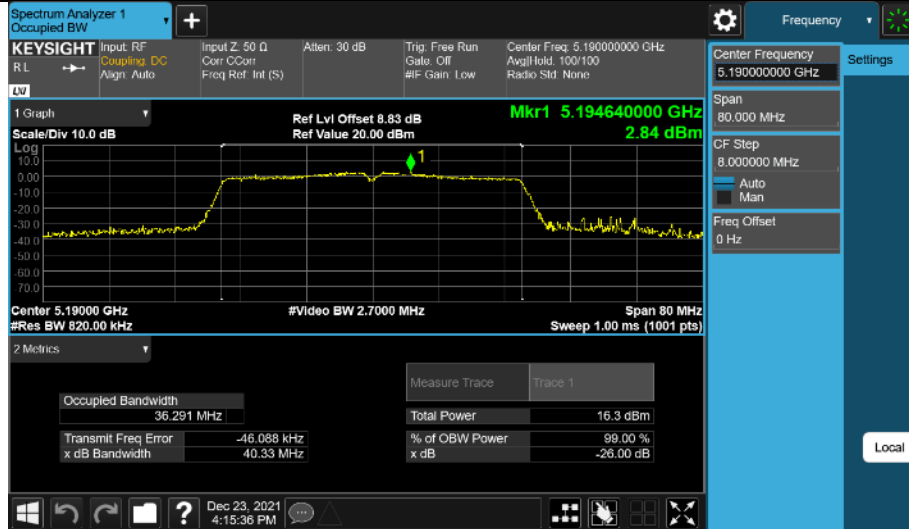


11N20SISO_Ant1_5240

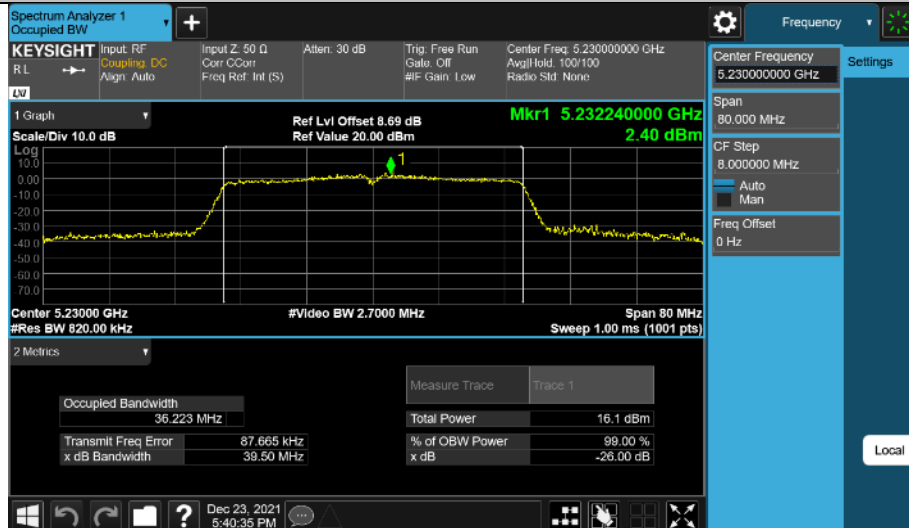




11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755

