

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

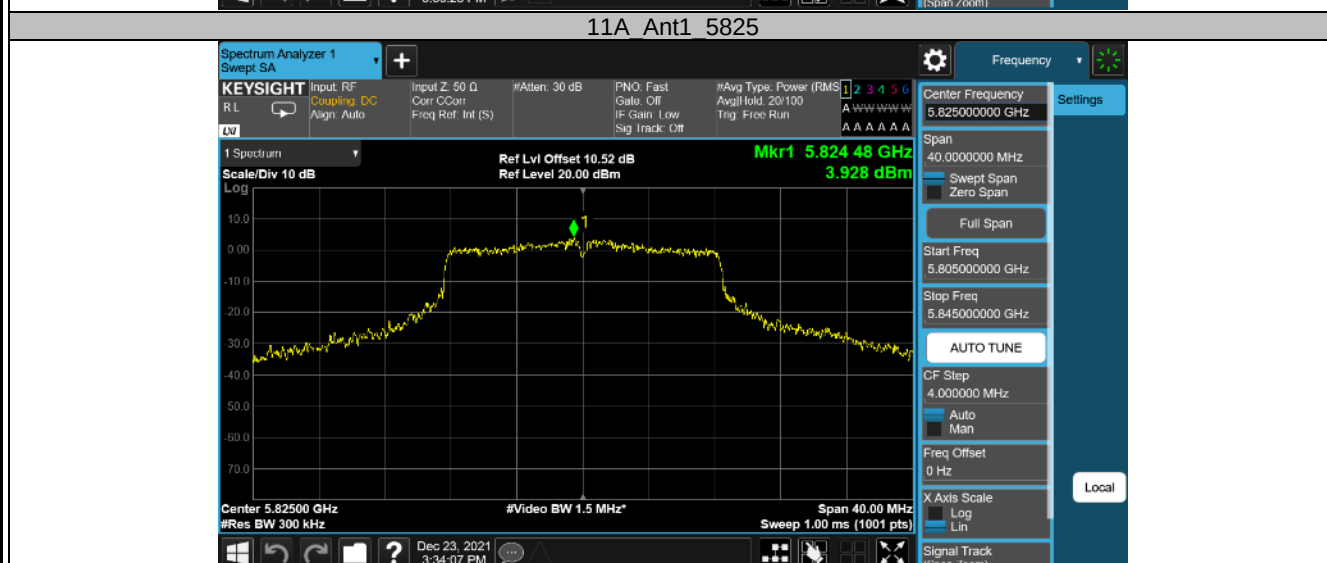
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Appendix A.1: Test Results of Conducted Power Spectral Density

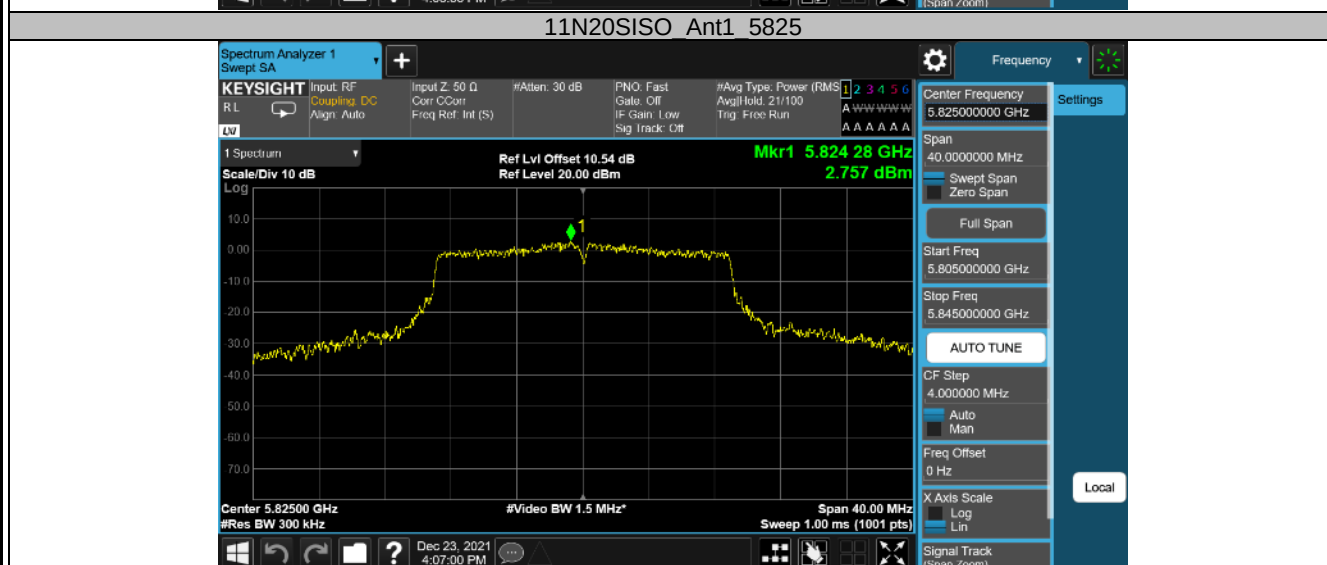
TestMode	Antenna	Channel	Power [dBm/MHz]	FCC Limit [dBm/MHz]	EIRP [dBm/MHz]	IC EIRP Limit [dBm/MHz]	Verdict
11A	Ant1	5180	6.78	≤11	8.78	10	PASS
		5200	6.74	≤11	8.74	10	PASS
		5240	6.75	≤11	8.75	10	PASS
		5745	3.11	≤30	---	---	PASS
		5785	3.99	≤30	---	---	PASS
		5825	3.93	≤30	---	---	PASS
11N20SISO	Ant1	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.

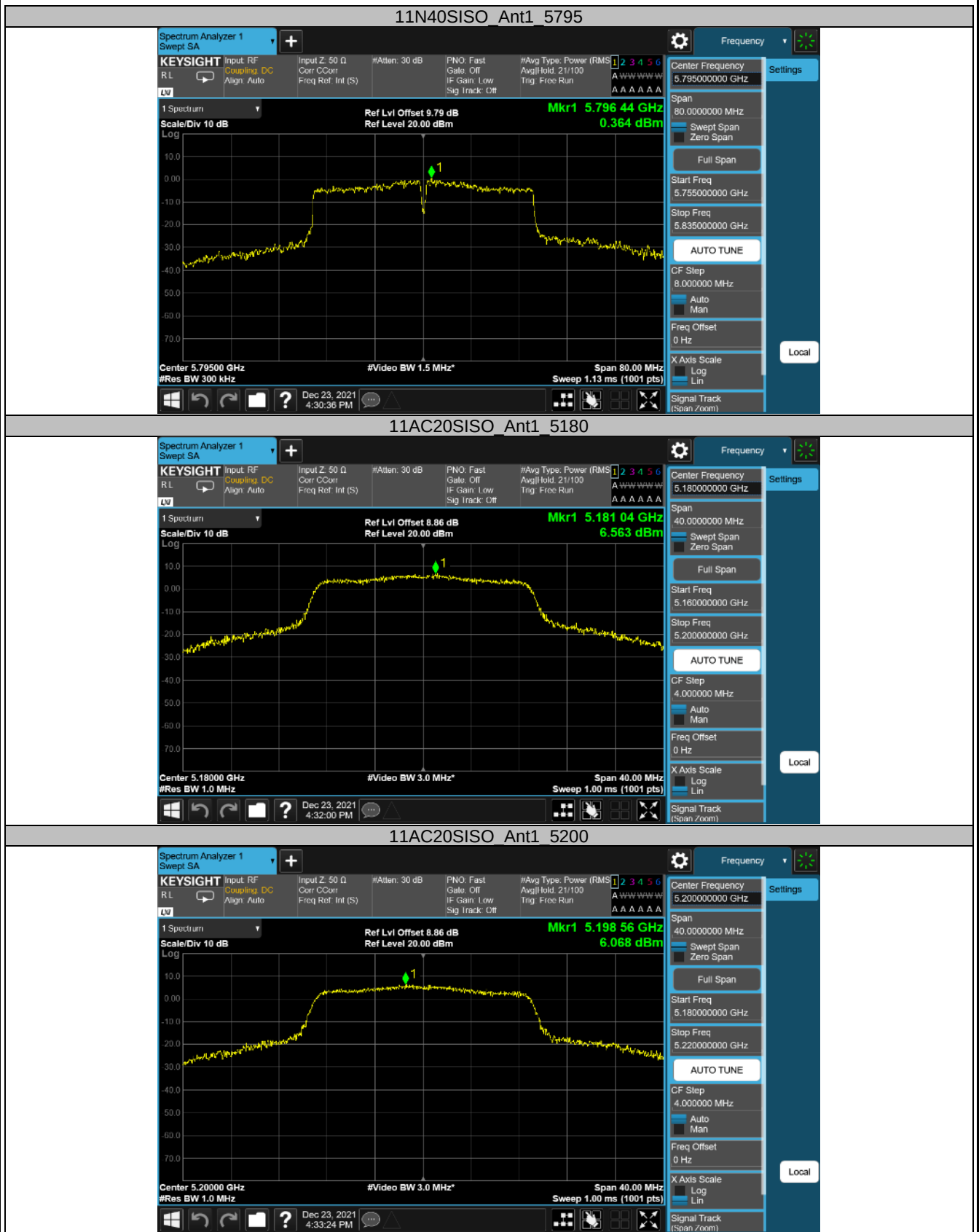




















Appendix A.2: Test Results of Frequency Stability

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_5180



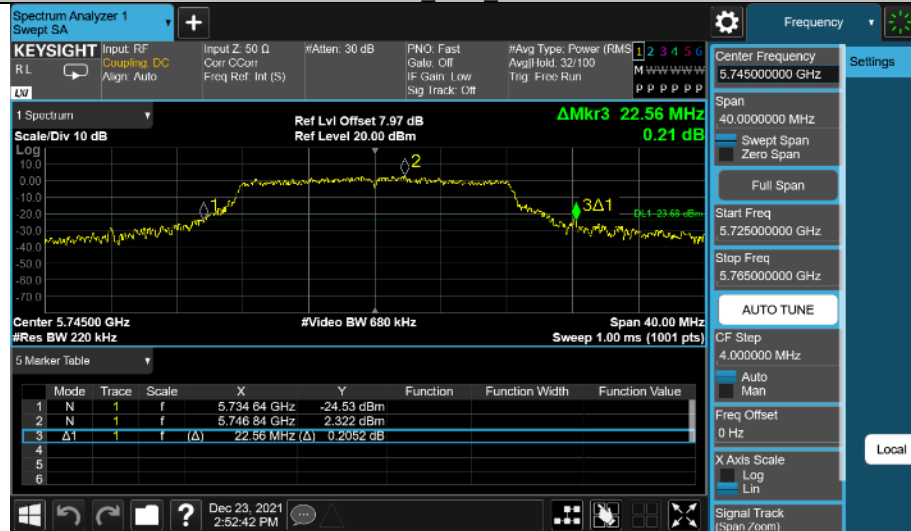
11A_Ant1_5200



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO Ant1 5180



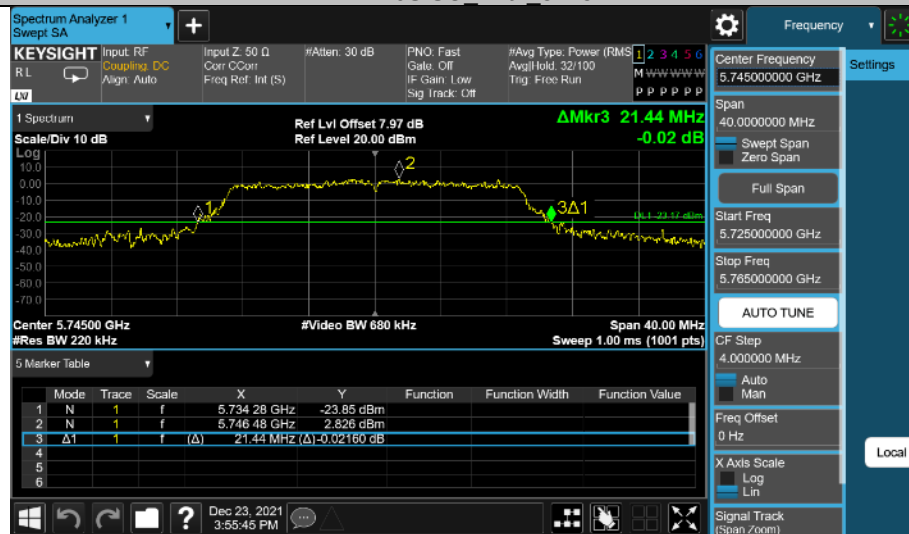
11N20SISO Ant1 5200



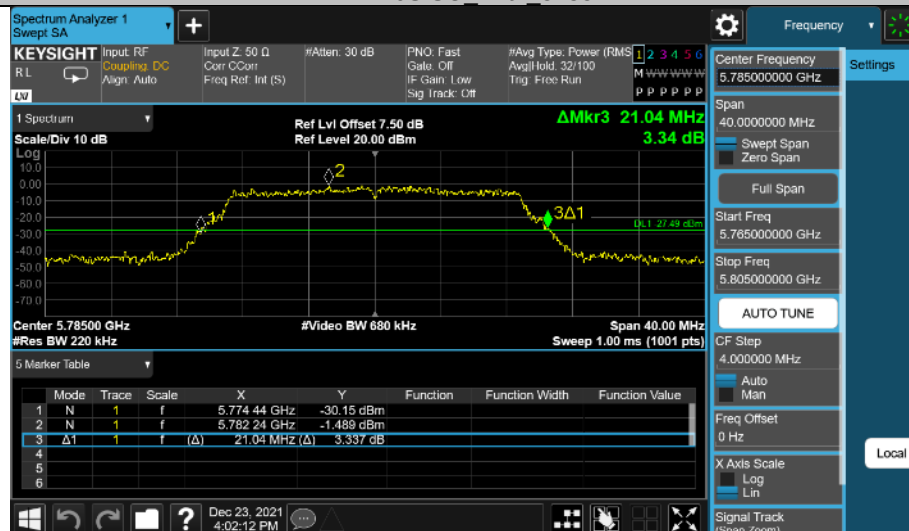
11N20SISO Ant1 5240



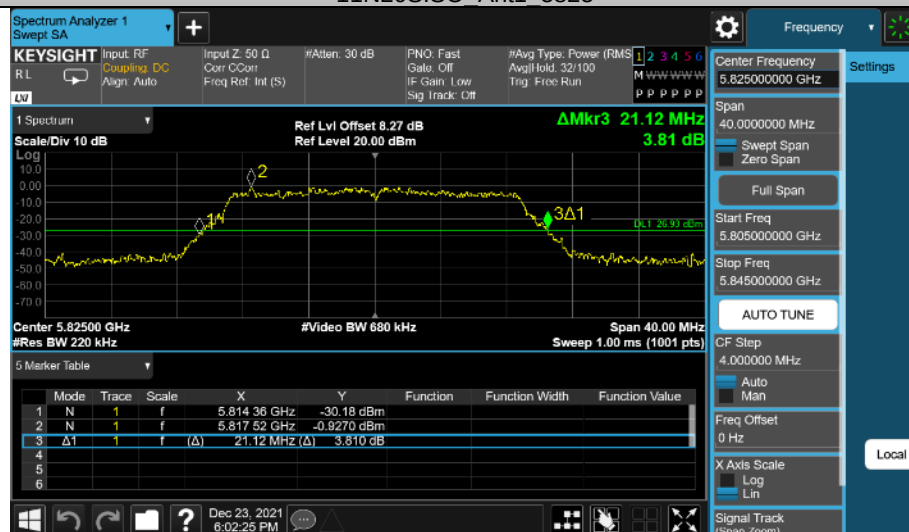
11N20SISO Ant1 5745



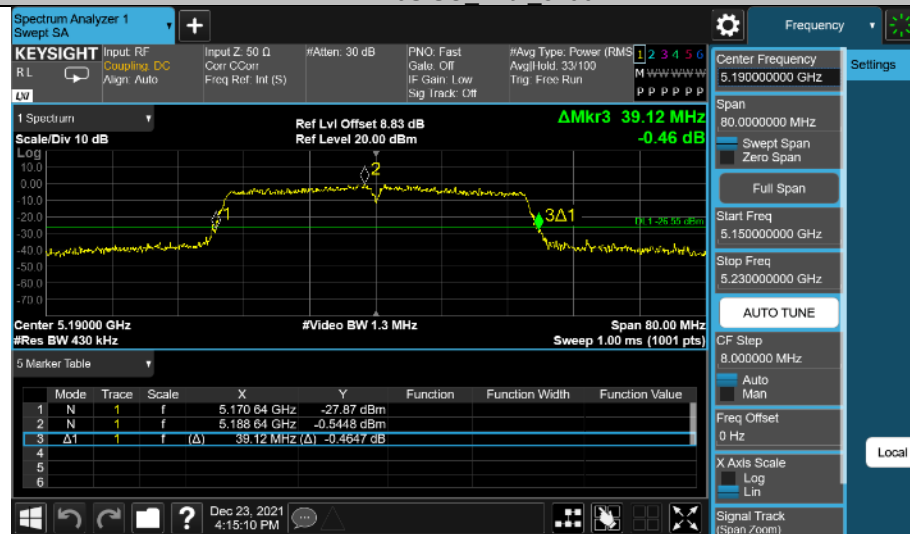
11N20SISO Ant1 5785



11N20SISO Ant1 5825



11N40SISO Ant1 5190



11N40SISO Ant1 5230



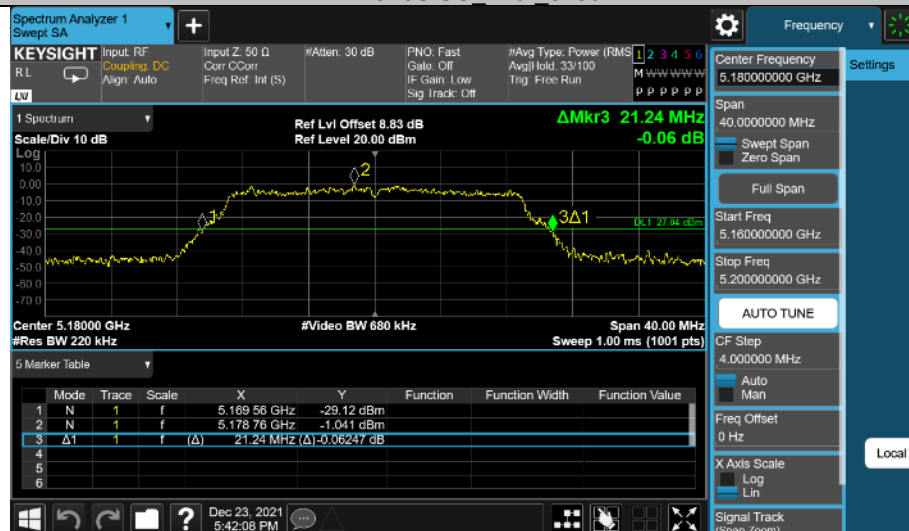
11N40SISO Ant1 5755



11N40SISO Ant1 5795



11AC20SISO Ant1 5180



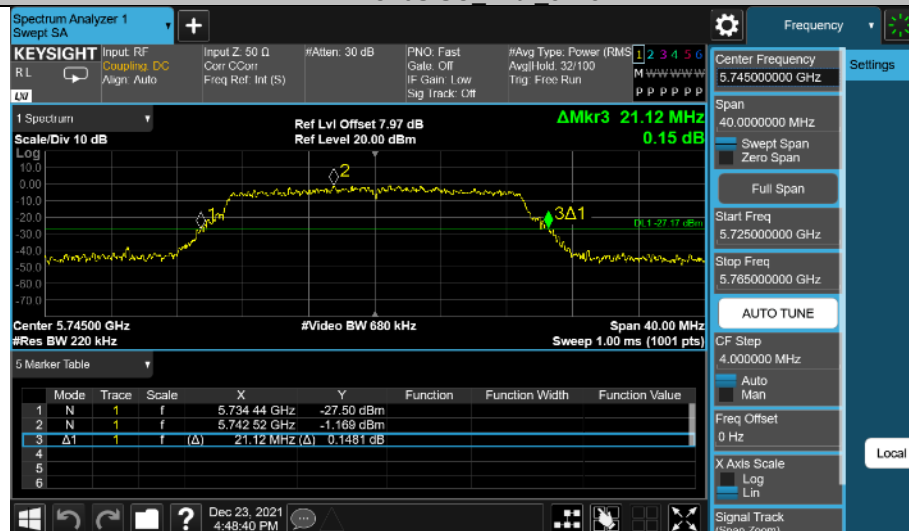
11AC20SISO Ant1 5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



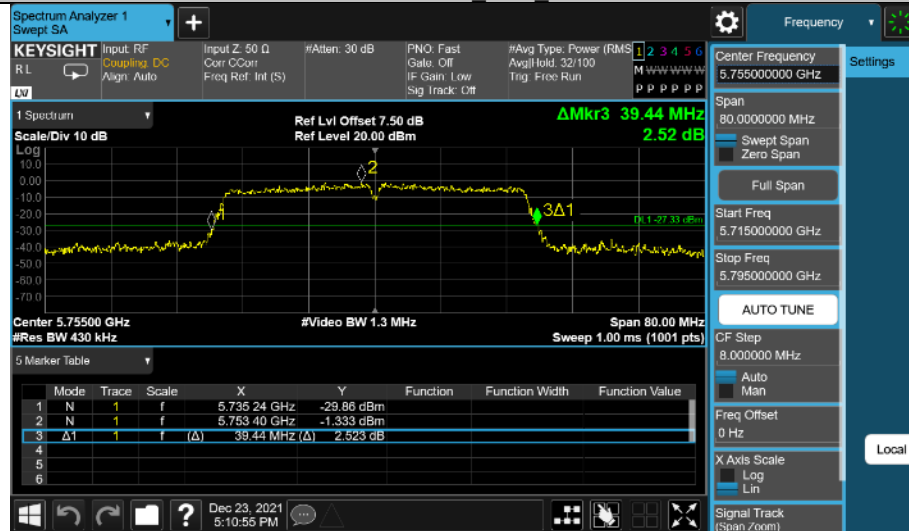
11AC40SISO_Ant1_5190



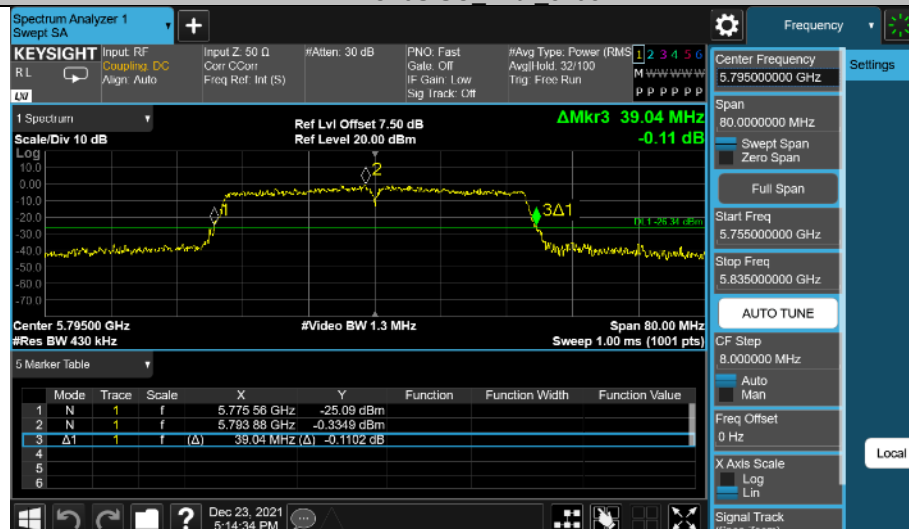
11AC40SISO_Ant1_5230



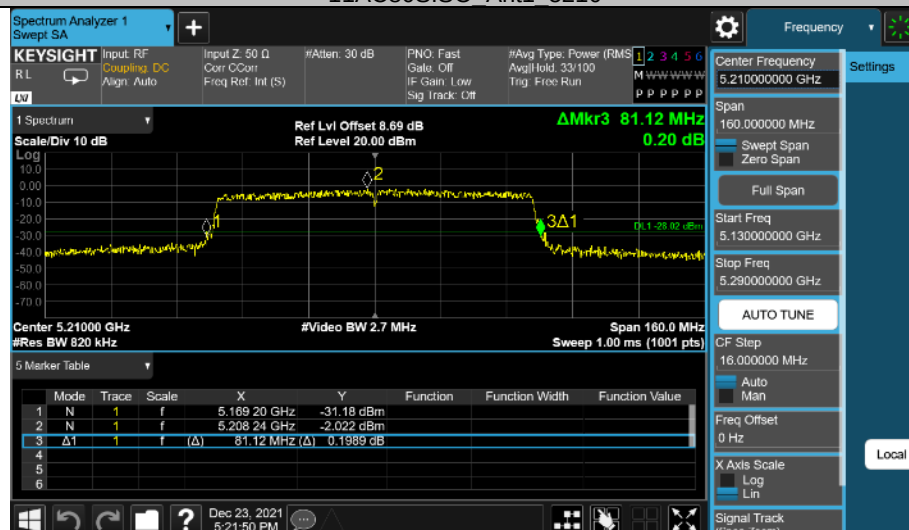
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210





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
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
11AC80SISO	Ant1	5210	75.911	5172.252	5248.163	---	PASS
		5775	75.615	5737.479	5813.094	---	PASS

