

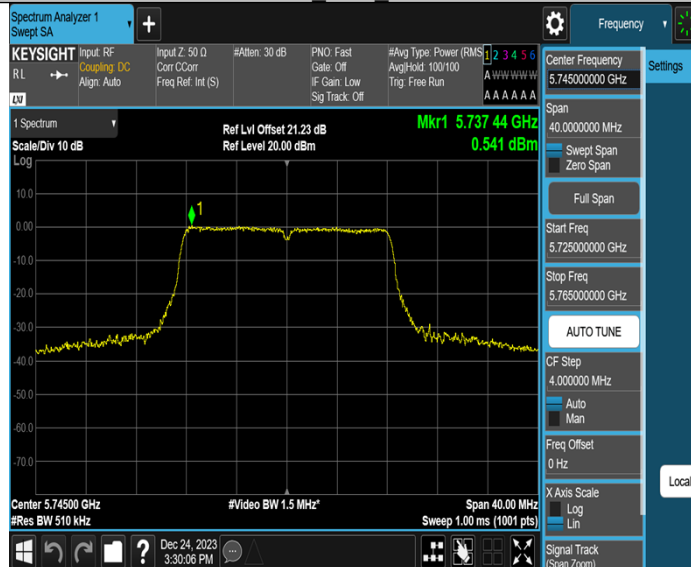
Appendix B: Test Results of 5.8GHz Wi-Fi

APPENDIX B: TEST RESULTS OF 5.8GHZ WI-FI	1
APPENDIX B.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY.....	2
APPENDIX B.2: TEST RESULTS OF FREQUENCY STABILITY	8
APPENDIX B.3: TEST RESULTS OF 99% BANDWIDTH	9
APPENDIX B.4: TEST RESULTS OF 6DB BANDWIDTH	15
APPENDIX B.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	21
30MHz - 1GHz (Worst case).....	21
1GHz - 18GHz	23
APPENDIX B.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS.....	39
APPENDIX B.7: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS	55

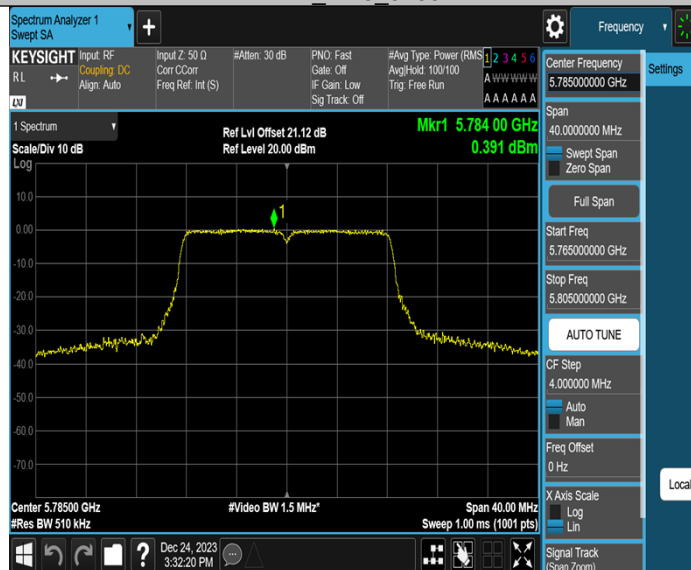
Appendix B.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/500KHz]	Verdict
11A	Ant3	5745	0.54	≤30.00	PASS
		5785	0.39	≤30.00	PASS
		5825	0.33	≤30.00	PASS
11N20SISO	Ant3	5745	0.25	≤30.00	PASS
		5785	0.65	≤30.00	PASS
		5825	0.54	≤30.00	PASS
11N40SISO	Ant3	5755	-2.41	≤30.00	PASS
		5795	-2.55	≤30.00	PASS
11AC20SISO	Ant3	5745	0.15	≤30.00	PASS
		5785	0.37	≤30.00	PASS
		5825	0.17	≤30.00	PASS
11AC40SISO	Ant3	5755	-2.83	≤30.00	PASS
		5795	-2.62	≤30.00	PASS
11AC80SISO	Ant3	5775	-5.69	≤30.00	PASS

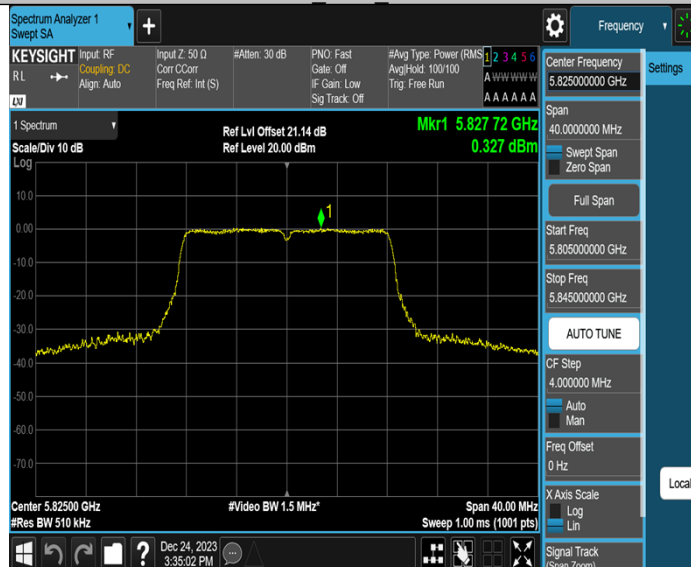
11A_Ant3_5745



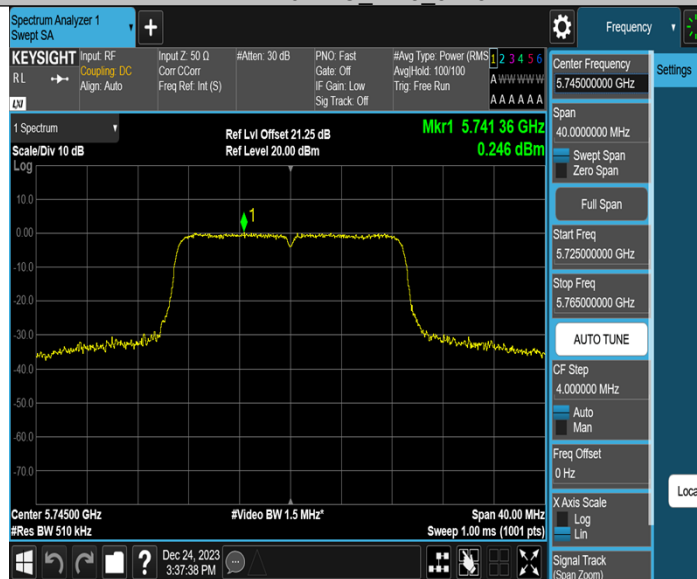
11A_Ant3_5785



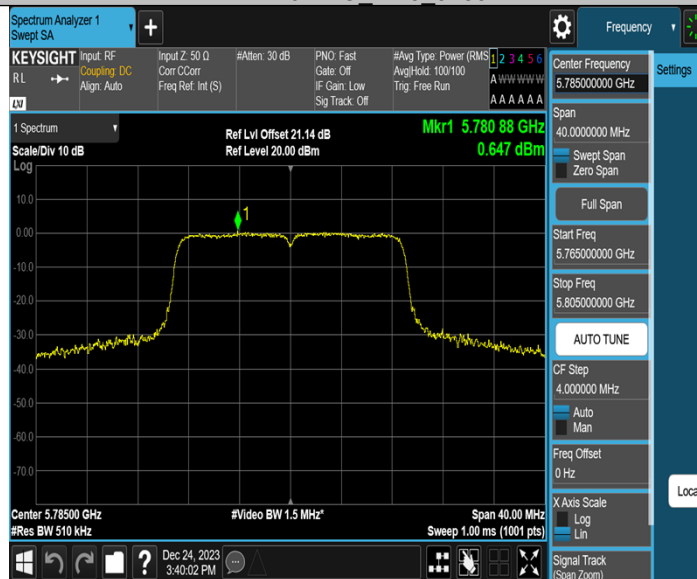
11A_Ant3_5825



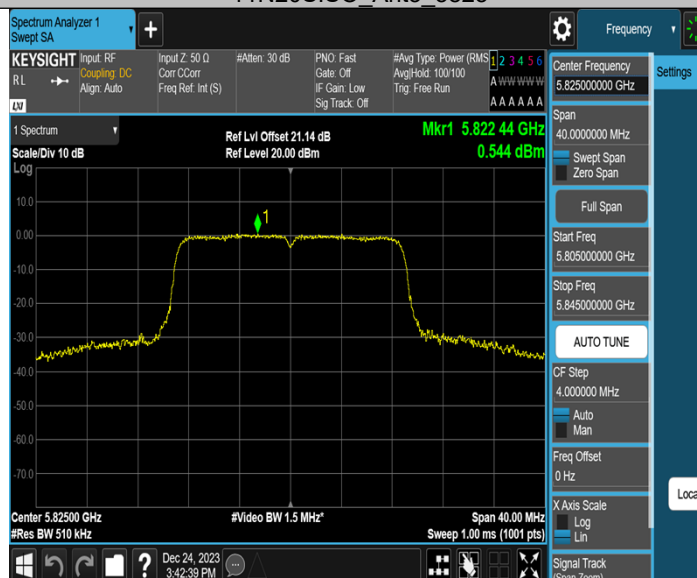
11N20SISO Ant3 5745



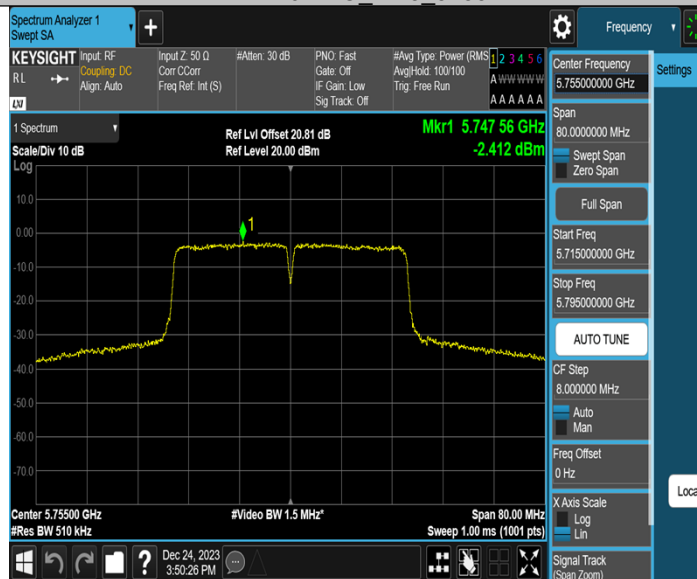
11N20SISO Ant3 5785



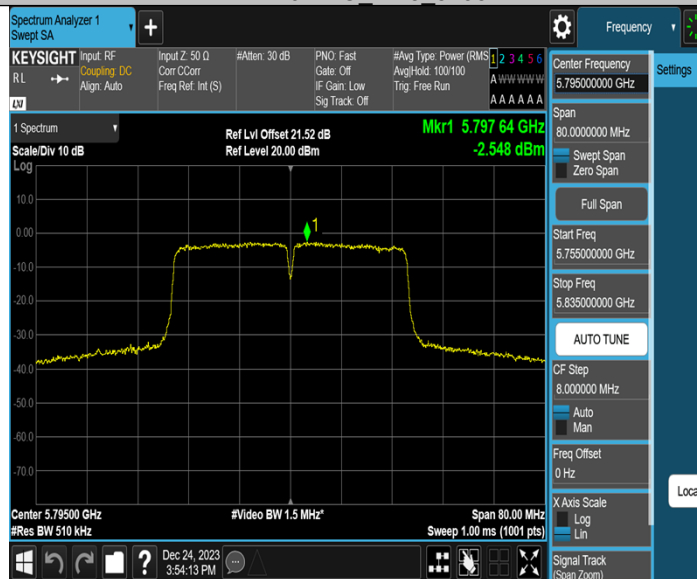
11N20SISO Ant3 5825



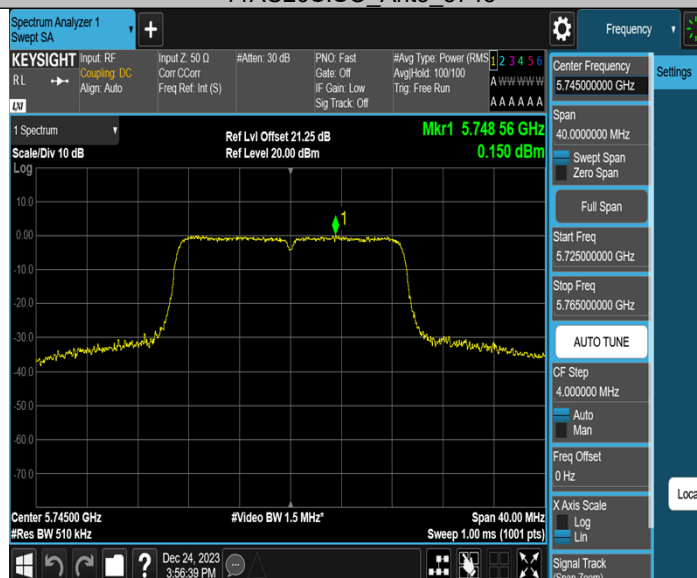
11N40SISO_Ant3_5755



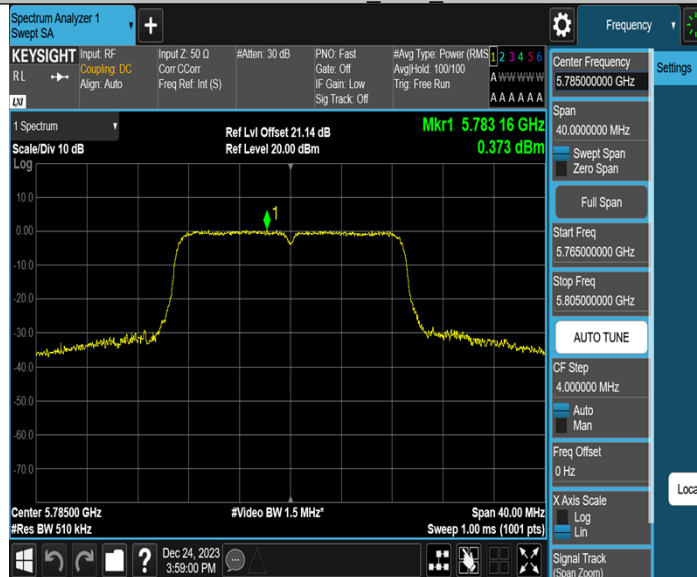
11N40SISO_Ant3_5795



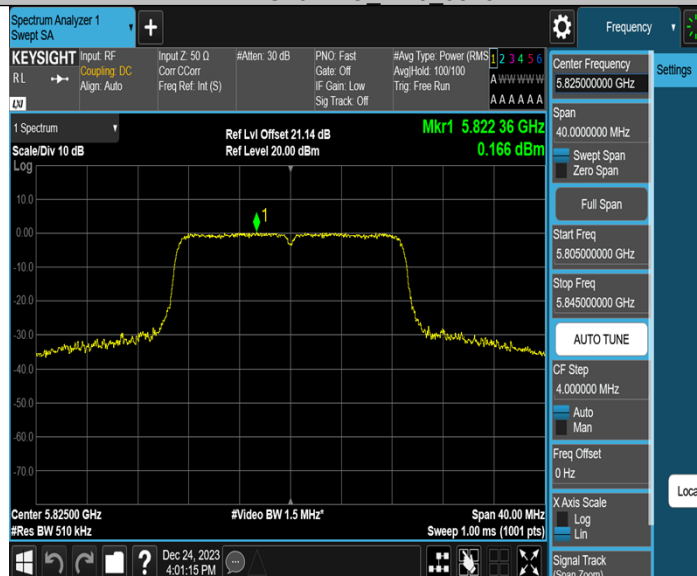
11AC20SISO_Ant3_5745



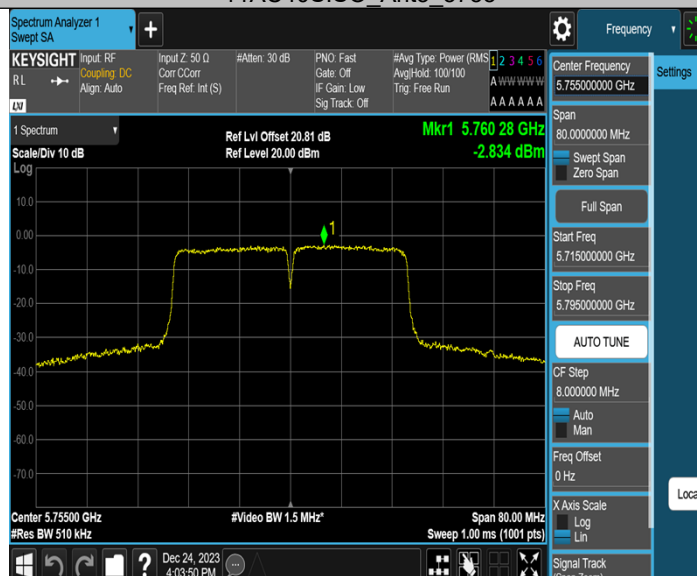
11AC20SISO_Ant3_5785



11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755





Appendix B.2: Test Results of Frequency Stability

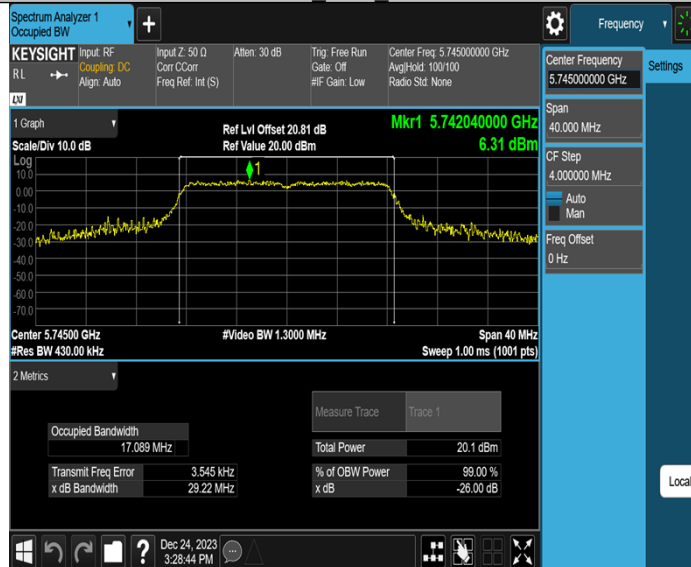
Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant3	5745	NV	NT	-4000.00	-0.696258	20	PASS
		5785	NV	NT	-4000.00	-0.691443	20	PASS
		5825	NV	NT	-4000.00	-0.686695	20	PASS
11AC40SISO	Ant3	5755	NV	NT	-5000.00	-0.868810	20	PASS
		5795	NV	NT	-4000.00	-0.690250	20	PASS
11AC80SISO	Ant3	5775	NV	NT	-4000.00	-0.692641	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant3	5745	NV	0	-4000.00	-0.696258	20	PASS
			NV	40	-4000.00	-0.696258	20	PASS
		5785	NV	0	-4000.00	-0.691443	20	PASS
			NV	40	-4000.00	-0.691443	20	PASS
		5825	NV	0	-4000.00	-0.686695	20	PASS
			NV	40	-4000.00	-0.686695	20	PASS
11AC40SISO	Ant3	5755	NV	0	-4000.00	-0.695048	20	PASS
			NV	40	-4000.00	-0.695048	20	PASS
		5795	NV	0	-4000.00	-0.690250	20	PASS
			NV	40	-4000.00	-0.690250	20	PASS
11AC80SISO	Ant3	5775	NV	0	-4000.00	-0.692641	20	PASS
			NV	40	-4000.00	-0.692641	20	PASS

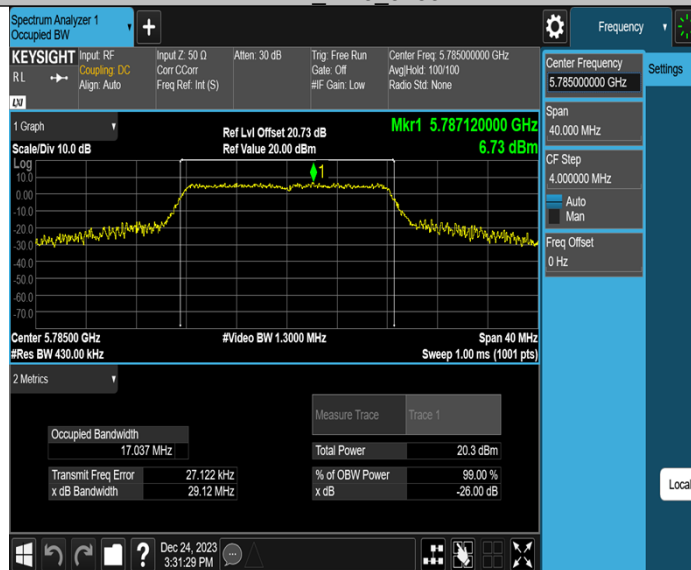
Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5745	17.089	5736.4590	5753.5480	---	PASS
		5785	17.037	5776.5086	5793.5456	---	PASS
		5825	17.025	5816.4740	5833.4990	---	PASS
11N20SISO	Ant3	5745	17.869	5736.0508	5753.9198	---	PASS
		5785	17.934	5776.0719	5794.0059	---	PASS
		5825	17.879	5816.0677	5833.9467	---	PASS
11N40SISO	Ant3	5755	36.280	5736.9263	5773.2063	---	PASS
		5795	36.312	5776.8495	5813.1615	---	PASS
11AC20SISO	Ant3	5745	17.954	5736.0155	5753.9695	---	PASS
		5785	17.908	5776.0866	5793.9946	---	PASS
		5825	17.942	5816.0370	5833.9790	---	PASS
11AC40SISO	Ant3	5755	36.384	5736.7942	5773.1782	---	PASS
		5795	36.308	5776.8710	5813.1790	---	PASS
11AC80SISO	Ant3	5775	75.975	5737.0186	5812.9936	---	PASS

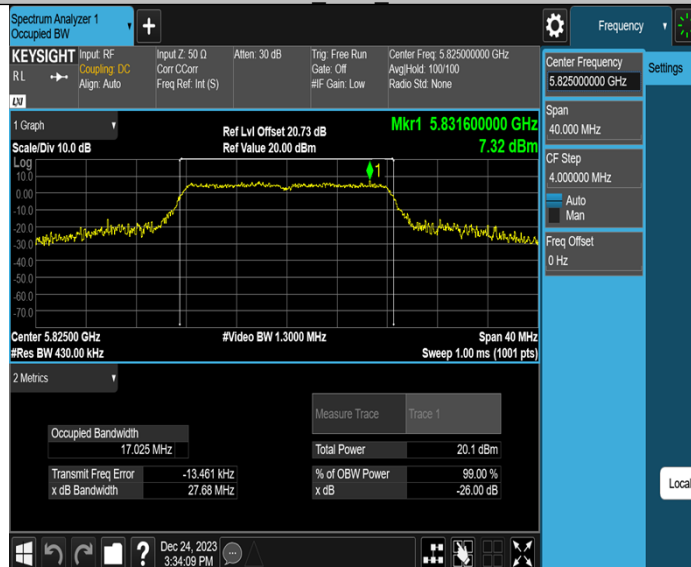
11A_Ant3_5745



11A_Ant3_5785

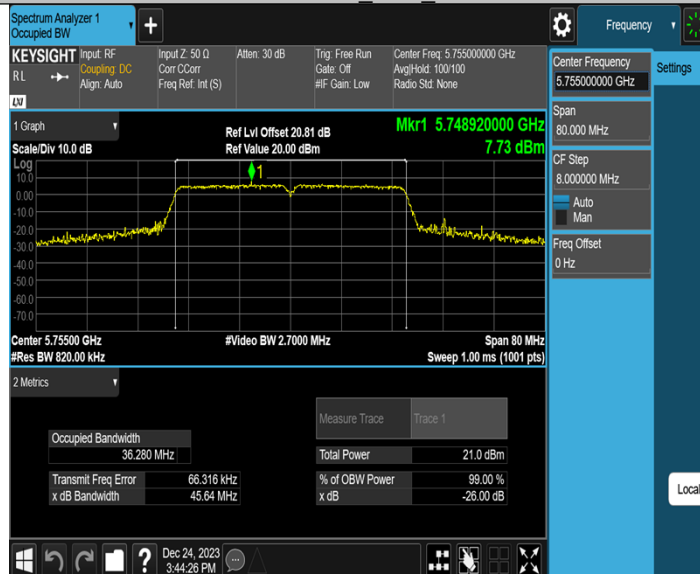


11A_Ant3_5825

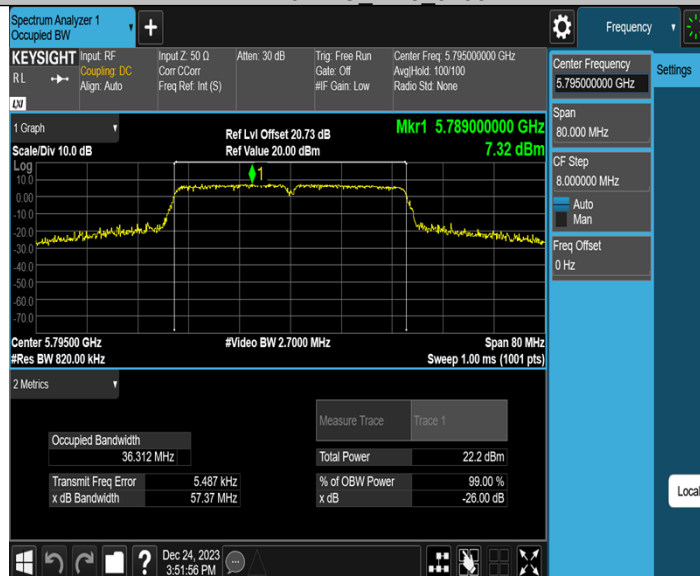




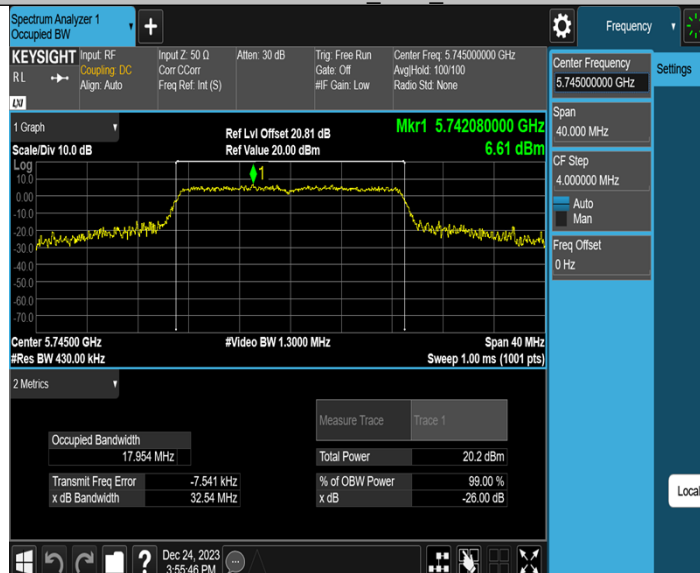
11N40SISO_Ant3_5755



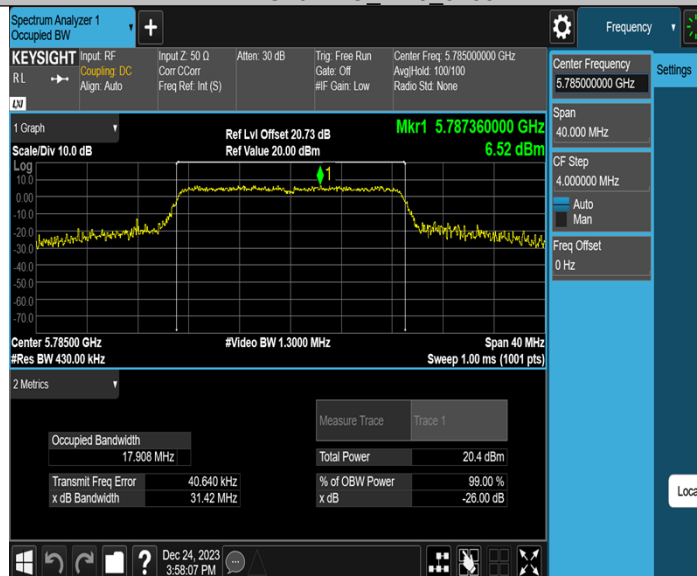
11N40SISO_Ant3_5795



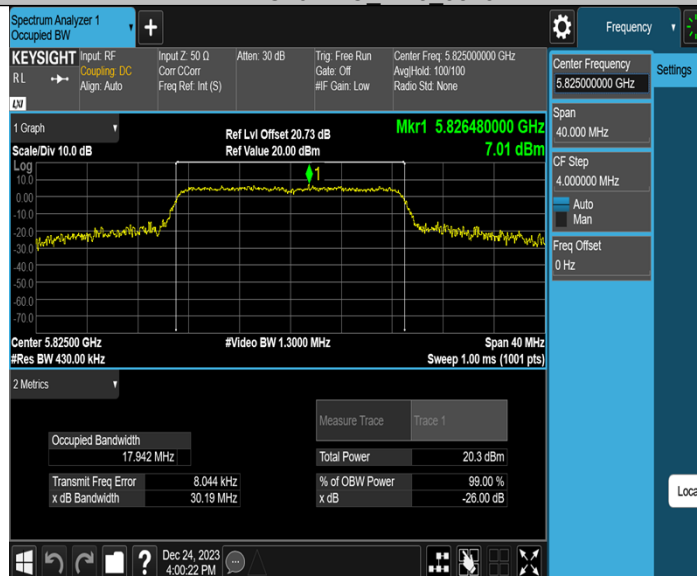
11AC20SISO_Ant3_5745



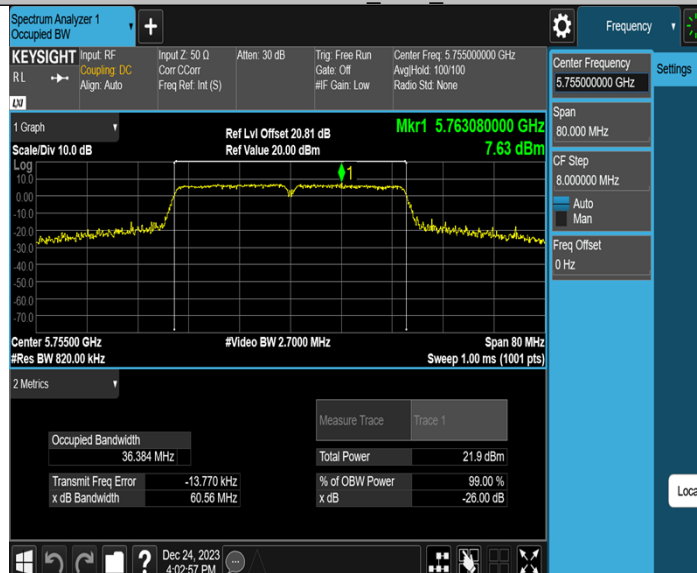
11AC20SISO_Ant3_5785



11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755





Appendix B.4: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant3	5745	17.520	5736.240	5753.760	0.5	PASS
		5785	17.160	5776.360	5793.520	0.5	PASS
		5825	17.520	5816.240	5833.760	0.5	PASS
11N40SISO	Ant3	5755	35.680	5737.160	5772.840	0.5	PASS
		5795	36.080	5776.840	5812.920	0.5	PASS
11AC20SISO	Ant3	5745	17.280	5736.240	5753.520	0.5	PASS
		5785	17.360	5776.400	5793.760	0.5	PASS
		5825	17.280	5816.480	5833.760	0.5	PASS
11AC40SISO	Ant3	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	35.600	5777.160	5812.760	0.5	PASS
11AC80SISO	Ant3	5775	75.360	5737.400	5812.760	0.5	PASS