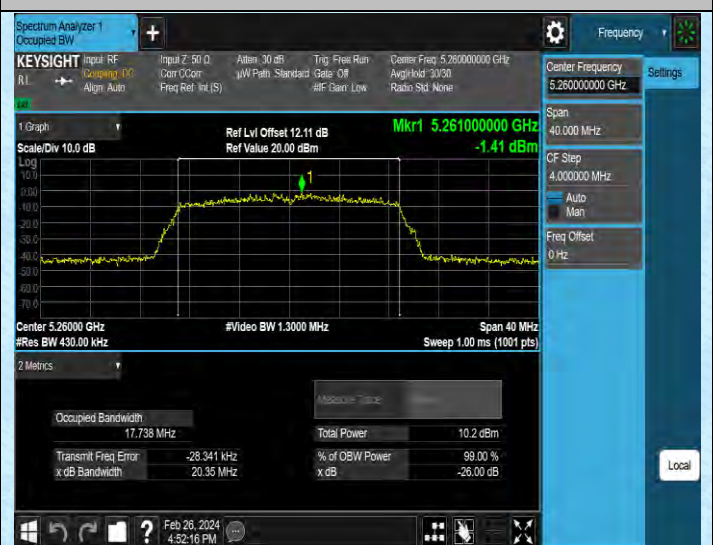
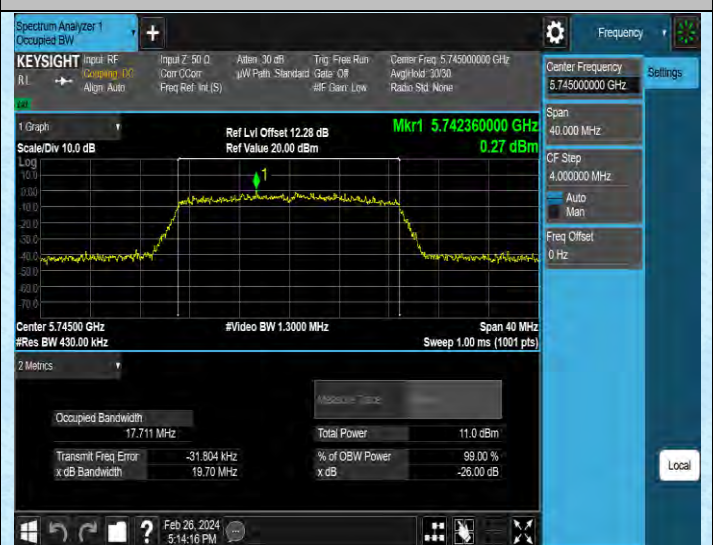
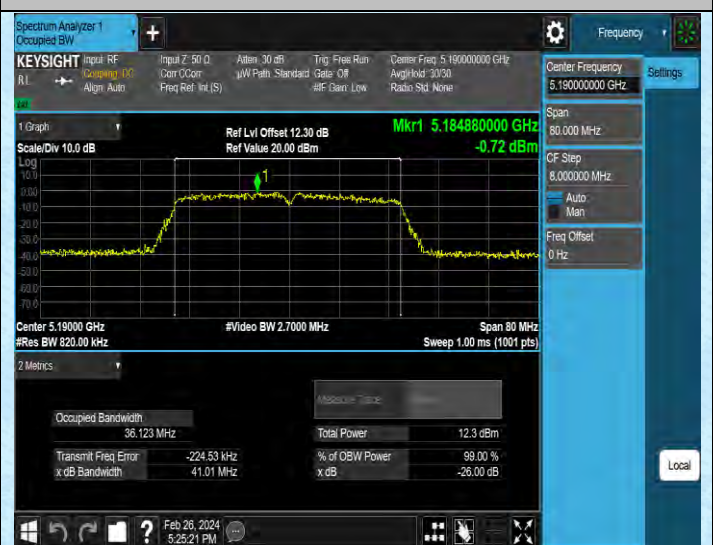


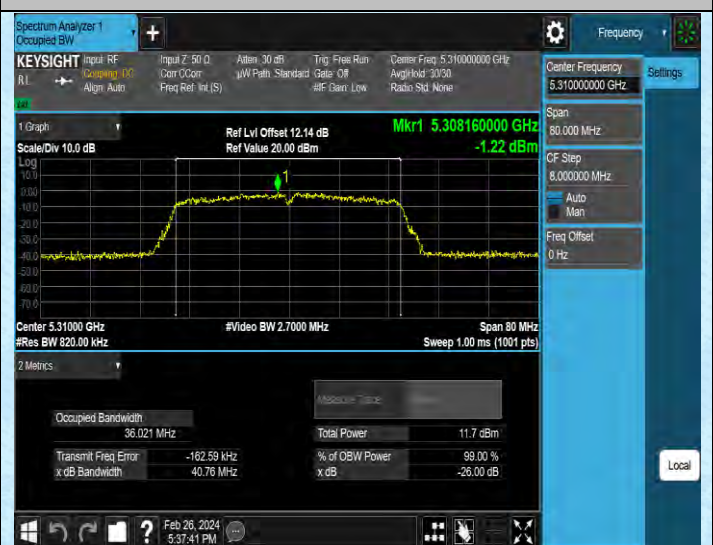
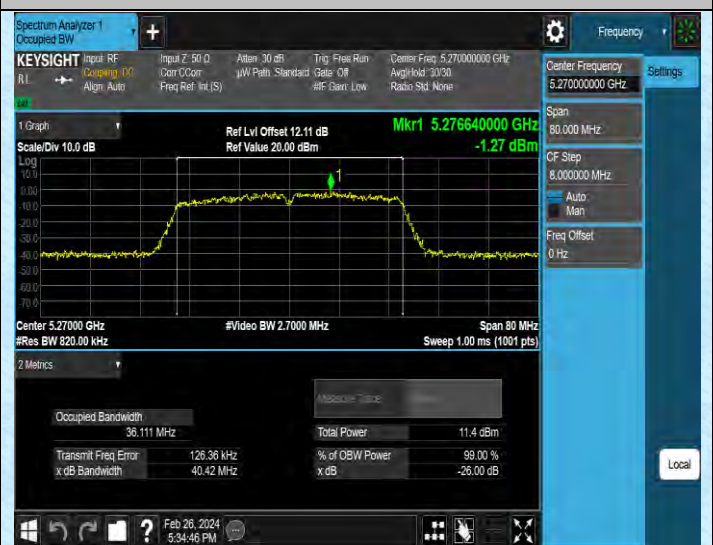
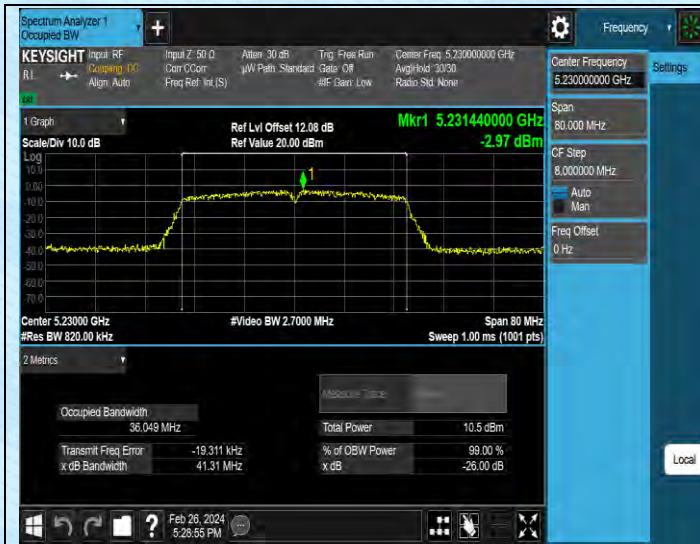


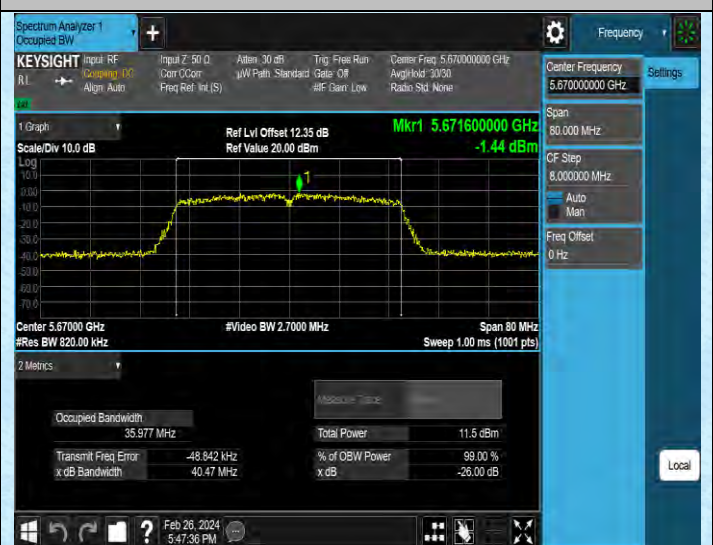
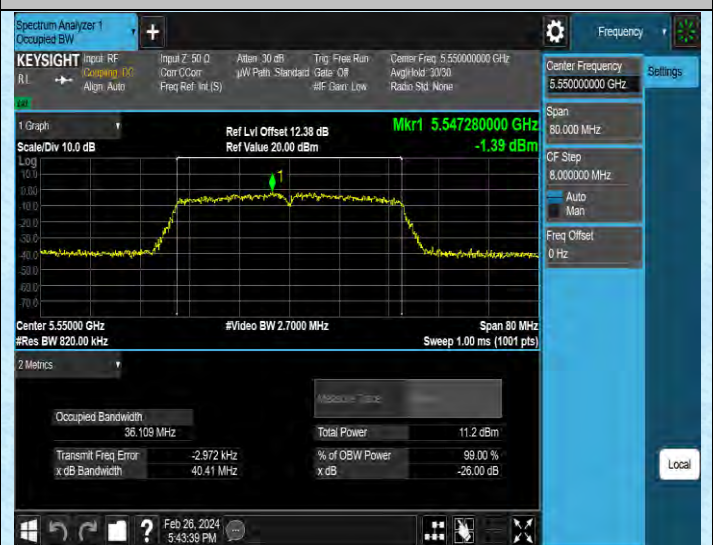


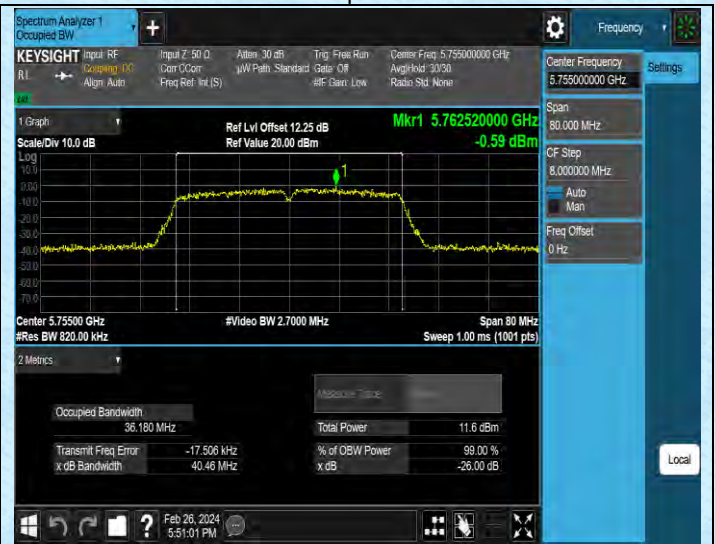


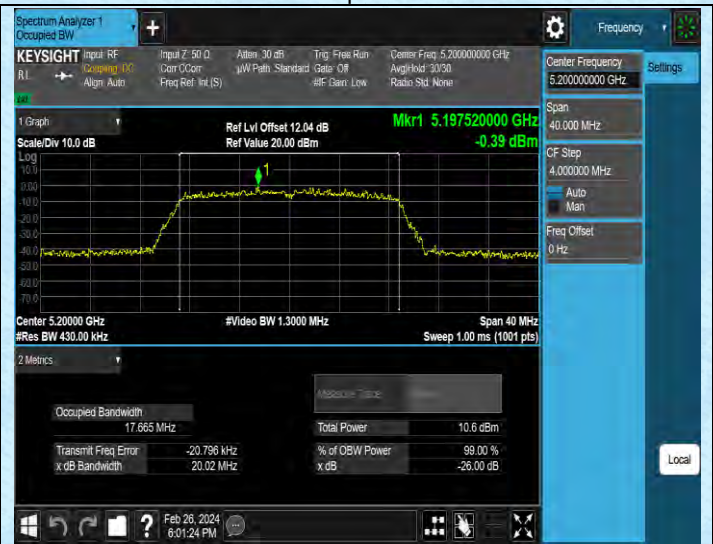


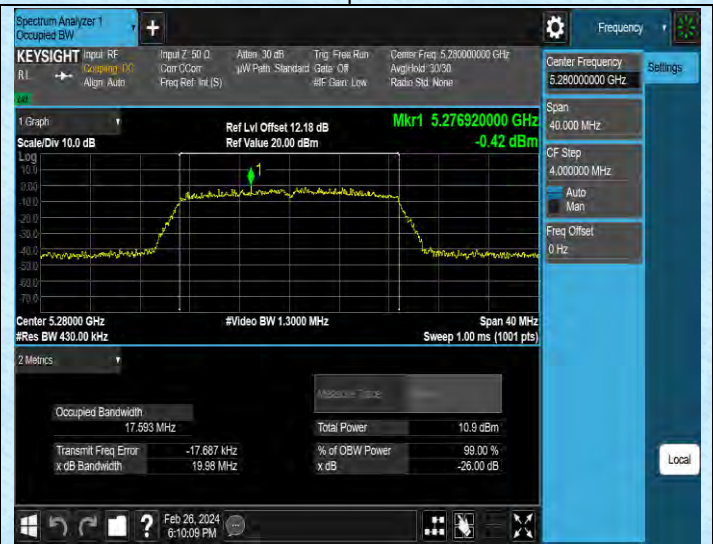


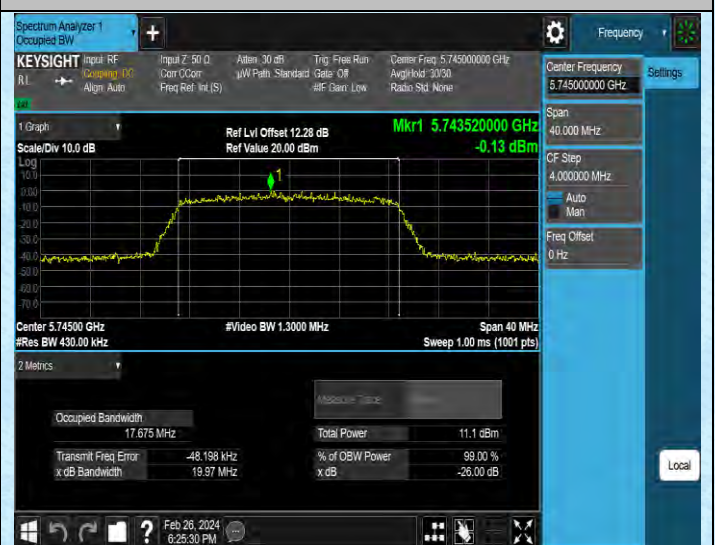


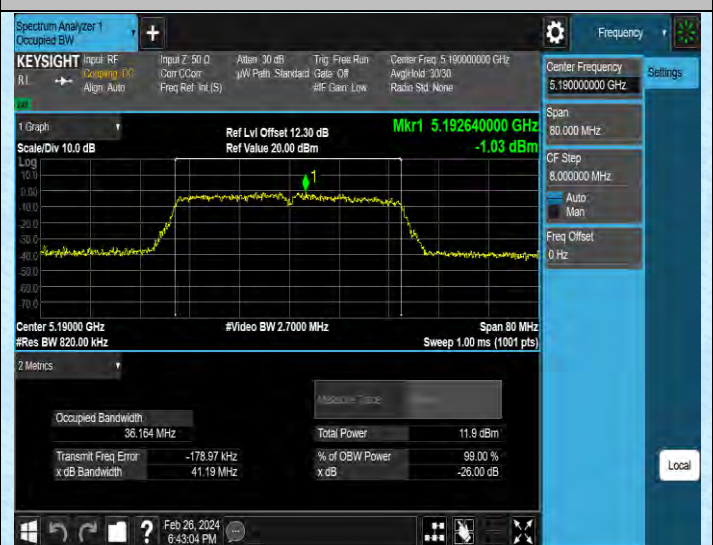








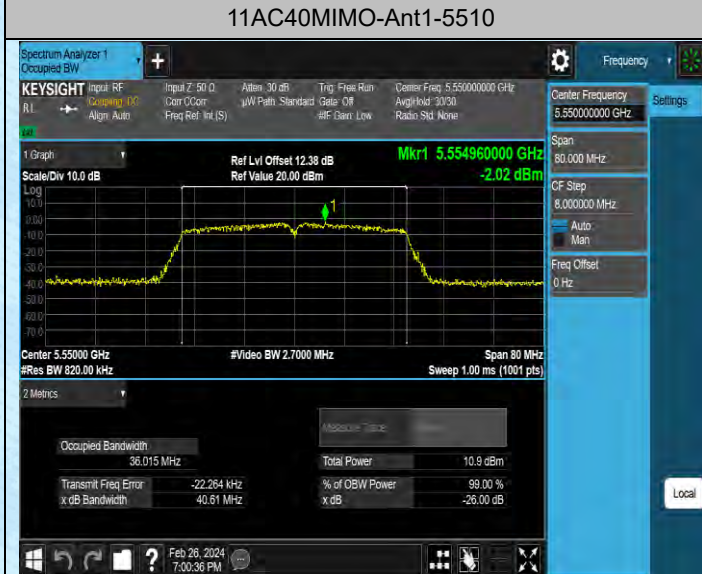


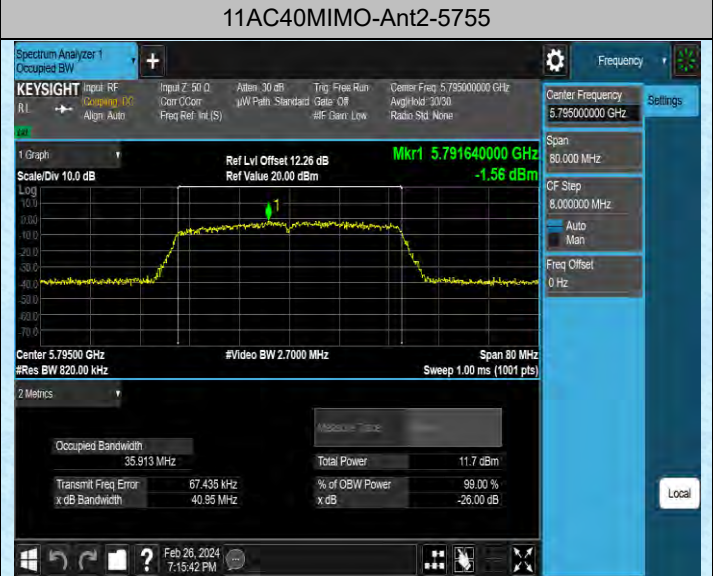




11AC40MIMO-Ant1-5310

11AC40MIMO-Ant2-5310









11AC80MIMO-Ant1-5775



11AC80MIMO-Ant2-5775

AppendixA3: Min emission bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	6Mbps	16.280	5736.840	5753.120	0.5	PASS
11A	Ant2	5745	6Mbps	16.320	5736.800	5753.120	0.5	PASS
11A	Ant1	5785	6Mbps	16.320	5776.800	5793.120	0.5	PASS
11A	Ant2	5785	6Mbps	14.400	5778.080	5792.480	0.5	PASS
11A	Ant1	5825	6Mbps	16.040	5817.080	5833.120	0.5	PASS
11A	Ant2	5825	6Mbps	13.840	5817.440	5831.280	0.5	PASS
11N20SISO	Ant1	5745	MCS0	16.040	5736.840	5752.880	0.5	PASS
11N20SISO	Ant2	5745	MCS0	17.560	5736.200	5753.760	0.5	PASS
11N20SISO	Ant1	5785	MCS0	16.880	5776.840	5793.720	0.5	PASS
11N20SISO	Ant2	5785	MCS0	17.520	5776.200	5793.720	0.5	PASS
11N20SISO	Ant1	5825	MCS0	17.280	5816.440	5833.720	0.5	PASS
11N20SISO	Ant2	5825	MCS0	17.560	5816.200	5833.760	0.5	PASS
11N40SISO	Ant1	5755	MCS0	33.920	5737.400	5771.320	0.5	PASS
11N40SISO	Ant2	5755	MCS0	33.760	5737.560	5771.320	0.5	PASS
11N40SISO	Ant1	5795	MCS0	32.640	5777.400	5810.040	0.5	PASS
11N40SISO	Ant2	5795	MCS0	35.120	5777.400	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	MCS0	15.880	5737.200	5753.080	0.5	PASS
11AC20SISO	Ant2	5745	MCS0	15.040	5737.440	5752.480	0.5	PASS
11AC20SISO	Ant1	5785	MCS0	15.320	5777.200	5792.520	0.5	PASS
11AC20SISO	Ant2	5785	MCS0	15.640	5776.840	5792.480	0.5	PASS
11AC20SISO	Ant1	5825	MCS0	17.520	5816.200	5833.720	0.5	PASS
11AC20SISO	Ant2	5825	MCS0	17.560	5816.200	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	MCS0	33.840	5738.680	5772.520	0.5	PASS
11AC40SISO	Ant2	5755	MCS0	31.280	5738.680	5769.960	0.5	PASS
11AC40SISO	Ant1	5795	MCS0	33.840	5778.680	5812.520	0.5	PASS
11AC40SISO	Ant2	5795	MCS0	35.040	5777.400	5812.440	0.5	PASS
11AC80SISO	Ant1	5775	MCS0	70.080	5739.960	5810.040	0.5	PASS
11AC80SISO	Ant2	5775	MCS0	72.480	5739.960	5812.440	0.5	PASS
11N20MIMO	Ant1	5745	MCS0	16.920	5736.800	5753.720	0.5	PASS
11N20MIMO	Ant2	5745	MCS0	17.560	5736.160	5753.720	0.5	PASS
11N20MIMO	Ant1	5785	MCS0	17.400	5776.320	5793.720	0.5	PASS
11N20MIMO	Ant2	5785	MCS0	15.680	5778.040	5793.720	0.5	PASS
11N20MIMO	Ant1	5825	MCS0	17.520	5816.200	5833.720	0.5	PASS
11N20MIMO	Ant2	5825	MCS0	16.160	5817.040	5833.200	0.5	PASS
11N40MIMO	Ant1	5755	MCS0	35.040	5737.400	5772.440	0.5	PASS
11N40MIMO	Ant2	5755	MCS0	33.760	5738.680	5772.440	0.5	PASS
11N40MIMO	Ant1	5795	MCS0	33.760	5777.480	5811.240	0.5	PASS
11N40MIMO	Ant2	5795	MCS0	33.840	5778.680	5812.520	0.5	PASS

11AC20MIMO	Ant1	5745	MCS0	17.320	5736.160	5753.480	0.5	PASS
11AC20MIMO	Ant2	5745	MCS0	15.680	5736.800	5752.480	0.5	PASS
11AC20MIMO	Ant1	5785	MCS0	17.560	5776.160	5793.720	0.5	PASS
11AC20MIMO	Ant2	5785	MCS0	17.040	5776.440	5793.480	0.5	PASS
11AC20MIMO	Ant1	5825	MCS0	15.480	5817.040	5832.520	0.5	PASS
11AC20MIMO	Ant2	5825	MCS0	17.600	5816.160	5833.760	0.5	PASS
11AC40MIMO	Ant1	5755	MCS0	35.120	5737.400	5772.520	0.5	PASS
11AC40MIMO	Ant2	5755	MCS0	33.760	5738.680	5772.440	0.5	PASS
11AC40MIMO	Ant1	5795	MCS0	32.480	5779.960	5812.440	0.5	PASS
11AC40MIMO	Ant2	5795	MCS0	33.760	5778.680	5812.440	0.5	PASS
11AC80MIMO	Ant1	5775	MCS0	71.360	5741.080	5812.440	0.5	PASS
11AC80MIMO	Ant2	5775	MCS0	70.080	5739.960	5810.040	0.5	PASS

Test Graphs





11A-Ant1-5825-PASS



11A-Ant2-5825-PASS



11N20SISO-Ant1-5745-PASS



11N20SISO-Ant2-5745-PASS



11N20SISO-Ant1-5785-PASS



11N20SISO-Ant2-5785-PASS









11N20MIMO-Ant1-5745-PASS



11N20MIMO-Ant2-5745-PASS



11N20MIMO-Ant1-5785-PASS



11N20MIMO-Ant2-5785-PASS



11N20MIMO-Ant1-5825-PASS



11N20MIMO-Ant2-5825-PASS







AppendixB: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	6Mbps	1.39	1.44	96.53
11A	Ant2	5180	6Mbps	1.39	1.44	96.53
11A	Ant1	5200	6Mbps	1.39	1.44	96.53
11A	Ant2	5200	6Mbps	1.39	1.44	96.53
11A	Ant1	5240	6Mbps	1.39	1.44	96.53
11A	Ant2	5240	6Mbps	1.39	1.44	96.53
11A	Ant1	5260	6Mbps	1.39	1.44	96.53
11A	Ant2	5260	6Mbps	1.39	1.44	96.53
11A	Ant1	5280	6Mbps	1.39	1.44	96.53
11A	Ant2	5280	6Mbps	1.39	1.44	96.53
11A	Ant1	5320	6Mbps	1.39	1.44	96.53
11A	Ant2	5320	6Mbps	1.39	1.44	96.53
11A	Ant1	5500	6Mbps	1.39	1.44	96.53
11A	Ant2	5500	6Mbps	1.39	1.44	96.53
11A	Ant1	5580	6Mbps	1.39	1.44	96.53
11A	Ant2	5580	6Mbps	1.39	1.44	96.53
11A	Ant1	5700	6Mbps	1.39	1.44	96.53
11A	Ant2	5700	6Mbps	1.39	1.44	96.53
11A	Ant1	5745	6Mbps	1.39	1.44	96.53
11A	Ant2	5745	6Mbps	1.39	1.44	96.53
11A	Ant1	5785	6Mbps	1.39	1.44	96.53
11A	Ant2	5785	6Mbps	1.39	1.44	96.53
11A	Ant1	5825	6Mbps	1.39	1.44	96.53
11A	Ant2	5825	6Mbps	1.39	1.44	96.53
11N20SISO	Ant1	5180	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5180	MCS0	1.30	1.35	96.30
11N20SISO	Ant1	5200	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5200	MCS0	1.30	1.35	96.30
11N20SISO	Ant1	5240	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5240	MCS0	1.30	1.35	96.30
11N20SISO	Ant1	5260	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5260	MCS0	1.30	1.35	96.30
11N20SISO	Ant1	5280	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5280	MCS0	1.30	1.35	96.30
11N20SISO	Ant1	5320	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5320	MCS0	1.30	1.35	96.30
11N20SISO	Ant1	5500	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5500	MCS0	1.30	1.35	96.30

11N20SISO	Ant1	5580	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5580	MCS0	1.30	1.35	96.30
11N20SISO	Ant1	5700	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5700	MCS0	1.30	1.35	96.30
11N20SISO	Ant1	5745	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5745	MCS0	1.30	1.35	96.30
11N20SISO	Ant1	5785	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5785	MCS0	1.30	1.35	96.30
11N20SISO	Ant1	5825	MCS0	1.30	1.35	96.30
11N20SISO	Ant2	5825	MCS0	1.30	1.35	96.30
11N40SISO	Ant1	5190	MCS0	0.64	0.69	92.75
11N40SISO	Ant2	5190	MCS0	0.64	0.69	92.75
11N40SISO	Ant1	5230	MCS0	0.64	0.69	92.75
11N40SISO	Ant2	5230	MCS0	0.64	0.69	92.75
11N40SISO	Ant1	5270	MCS0	0.64	0.69	92.75
11N40SISO	Ant2	5270	MCS0	0.64	0.69	92.75
11N40SISO	Ant1	5310	MCS0	0.64	0.69	92.75
11N40SISO	Ant2	5310	MCS0	0.64	0.69	92.75
11N40SISO	Ant1	5510	MCS0	0.64	0.69	92.75
11N40SISO	Ant2	5510	MCS0	0.64	0.69	92.75
11N40SISO	Ant1	5550	MCS0	0.64	0.69	92.75
11N40SISO	Ant2	5550	MCS0	0.64	0.69	92.75
11N40SISO	Ant1	5670	MCS0	0.64	0.69	92.75
11N40SISO	Ant2	5670	MCS0	0.64	0.69	92.75
11N40SISO	Ant1	5755	MCS0	0.64	0.69	92.75
11N40SISO	Ant2	5755	MCS0	0.64	0.69	92.75
11N40SISO	Ant1	5795	MCS0	0.64	0.69	92.75
11N40SISO	Ant2	5795	MCS0	0.64	0.69	92.75
11AC20SISO	Ant1	5180	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5180	MCS0	1.31	1.36	96.32
11AC20SISO	Ant1	5200	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5200	MCS0	1.31	1.36	96.32
11AC20SISO	Ant1	5240	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5240	MCS0	1.31	1.36	96.32
11AC20SISO	Ant1	5260	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5260	MCS0	1.31	1.36	96.32
11AC20SISO	Ant1	5280	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5280	MCS0	1.31	1.36	96.32
11AC20SISO	Ant1	5320	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5320	MCS0	1.31	1.36	96.32
11AC20SISO	Ant1	5500	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5500	MCS0	1.31	1.36	96.32
11AC20SISO	Ant1	5580	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5580	MCS0	1.31	1.36	96.32

11AC20SISO	Ant1	5700	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5700	MCS0	1.31	1.36	96.32
11AC20SISO	Ant1	5745	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5745	MCS0	1.31	1.36	96.32
11AC20SISO	Ant1	5785	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5785	MCS0	1.31	1.36	96.32
11AC20SISO	Ant1	5825	MCS0	1.31	1.36	96.32
11AC20SISO	Ant2	5825	MCS0	1.31	1.36	96.32
11AC40SISO	Ant1	5190	MCS0	0.65	0.70	92.86
11AC40SISO	Ant2	5190	MCS0	0.65	0.70	92.86
11AC40SISO	Ant1	5230	MCS0	0.65	0.70	92.86
11AC40SISO	Ant2	5230	MCS0	0.65	0.70	92.86
11AC40SISO	Ant1	5270	MCS0	0.65	0.70	92.86
11AC40SISO	Ant2	5270	MCS0	0.65	0.70	92.86
11AC40SISO	Ant1	5310	MCS0	0.65	0.70	92.86
11AC40SISO	Ant2	5310	MCS0	0.65	0.70	92.86
11AC40SISO	Ant1	5510	MCS0	0.65	0.70	92.86
11AC40SISO	Ant2	5510	MCS0	0.65	0.70	92.86
11AC40SISO	Ant1	5550	MCS0	0.65	0.70	92.86
11AC40SISO	Ant2	5550	MCS0	0.65	0.70	92.86
11AC40SISO	Ant1	5670	MCS0	0.65	0.70	92.86
11AC40SISO	Ant2	5670	MCS0	0.65	0.70	92.86
11AC40SISO	Ant1	5755	MCS0	0.65	0.70	92.86
11AC40SISO	Ant2	5755	MCS0	0.65	0.70	92.86
11AC40SISO	Ant1	5795	MCS0	0.65	0.70	92.86
11AC40SISO	Ant2	5795	MCS0	0.65	0.70	92.86
11AC80SISO	Ant1	5210	MCS0	0.32	0.37	86.49
11AC80SISO	Ant2	5210	MCS0	0.32	0.37	86.49
11AC80SISO	Ant1	5290	MCS0	0.32	0.37	86.49
11AC80SISO	Ant2	5290	MCS0	0.32	0.37	86.49
11AC80SISO	Ant1	5530	MCS0	0.32	0.37	86.49
11AC80SISO	Ant2	5530	MCS0	0.32	0.37	86.49
11AC80SISO	Ant1	5610	MCS0	0.32	0.37	86.49
11AC80SISO	Ant2	5610	MCS0	0.32	0.37	86.49
11AC80SISO	Ant1	5775	MCS0	0.32	0.37	86.49
11AC80SISO	Ant2	5775	MCS0	0.32	0.37	86.49
11N20MIMO	Ant1	5180	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5180	MCS0	1.30	1.35	96.30
11N20MIMO	Ant1	5200	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5200	MCS0	1.30	1.35	96.30
11N20MIMO	Ant1	5240	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5240	MCS0	1.30	1.35	96.30
11N20MIMO	Ant1	5260	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5260	MCS0	1.30	1.35	96.30

11N20MIMO	Ant1	5280	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5280	MCS0	1.30	1.35	96.30
11N20MIMO	Ant1	5320	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5320	MCS0	1.30	1.35	96.30
11N20MIMO	Ant1	5500	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5500	MCS0	1.30	1.35	96.30
11N20MIMO	Ant1	5580	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5580	MCS0	1.30	1.35	96.30
11N20MIMO	Ant1	5700	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5700	MCS0	1.30	1.35	96.30
11N20MIMO	Ant1	5745	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5745	MCS0	1.30	1.35	96.30
11N20MIMO	Ant1	5785	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5785	MCS0	1.30	1.35	96.30
11N20MIMO	Ant1	5825	MCS0	1.30	1.35	96.30
11N20MIMO	Ant2	5825	MCS0	1.30	1.35	96.30
11N40MIMO	Ant1	5190	MCS0	0.64	0.69	92.75
11N40MIMO	Ant2	5190	MCS0	0.64	0.69	92.75
11N40MIMO	Ant1	5230	MCS0	0.64	0.69	92.75
11N40MIMO	Ant2	5230	MCS0	0.64	0.69	92.75
11N40MIMO	Ant1	5270	MCS0	0.64	0.69	92.75
11N40MIMO	Ant2	5270	MCS0	0.64	0.69	92.75
11N40MIMO	Ant1	5310	MCS0	0.64	0.69	92.75
11N40MIMO	Ant2	5310	MCS0	0.64	0.69	92.75
11N40MIMO	Ant1	5510	MCS0	0.64	0.69	92.75
11N40MIMO	Ant2	5510	MCS0	0.64	0.69	92.75
11N40MIMO	Ant1	5550	MCS0	0.64	0.69	92.75
11N40MIMO	Ant2	5550	MCS0	0.64	0.69	92.75
11N40MIMO	Ant1	5670	MCS0	0.64	0.69	92.75
11N40MIMO	Ant2	5670	MCS0	0.64	0.69	92.75
11N40MIMO	Ant1	5755	MCS0	0.64	0.69	92.75
11N40MIMO	Ant2	5755	MCS0	0.64	0.69	92.75
11N40MIMO	Ant1	5795	MCS0	0.64	0.69	92.75
11N40MIMO	Ant2	5795	MCS0	0.64	0.69	92.75
11AC20MIMO	Ant1	5180	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5180	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant1	5200	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5200	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant1	5240	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5240	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant1	5260	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5260	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant1	5280	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5280	MCS0	1.31	1.36	96.32

11AC20MIMO	Ant1	5320	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5320	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant1	5500	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5500	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant1	5580	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5580	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant1	5700	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5700	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant1	5745	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5745	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant1	5785	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5785	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant1	5825	MCS0	1.31	1.36	96.32
11AC20MIMO	Ant2	5825	MCS0	1.31	1.36	96.32
11AC40MIMO	Ant1	5190	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant2	5190	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant1	5230	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant2	5230	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant1	5270	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant2	5270	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant1	5310	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant2	5310	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant1	5510	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant2	5510	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant1	5550	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant2	5550	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant1	5670	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant2	5670	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant1	5755	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant2	5755	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant1	5795	MCS0	0.65	0.70	92.86
11AC40MIMO	Ant2	5795	MCS0	0.65	0.70	92.86
11AC80MIMO	Ant1	5210	MCS0	0.32	0.37	86.49
11AC80MIMO	Ant2	5210	MCS0	0.32	0.37	86.49
11AC80MIMO	Ant1	5290	MCS0	0.32	0.37	86.49
11AC80MIMO	Ant2	5290	MCS0	0.32	0.37	86.49
11AC80MIMO	Ant1	5530	MCS0	0.32	0.37	86.49
11AC80MIMO	Ant2	5530	MCS0	0.32	0.37	86.49
11AC80MIMO	Ant1	5610	MCS0	0.32	0.37	86.49
11AC80MIMO	Ant2	5610	MCS0	0.32	0.37	86.49
11AC80MIMO	Ant1	5775	MCS0	0.32	0.37	86.49
11AC80MIMO	Ant2	5775	MCS0	0.32	0.37	86.49

Test Graphs



NTNV-11A-Ant1-5180



NTNV-11A-Ant2-5180



NTNV-11A-Ant1-5200



NTNV-11A-Ant2-5200



NTNV-11A-Ant1-5240



NTNV-11A-Ant2-5240