

11AC40MIMO_Ant2_5510



11AC40MIMO_Ant1_5550



11AC40MIMO_Ant2_5550



11AC40MIMO_Ant1_5670



11AC40MIMO_Ant2_5670



11AC40MIMO_Ant1_5710_UNII-2C



11AC40MIMO_Ant2_5710_UNII-2C



11AC40MIMO_Ant1_5710_UNII-3



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755



11AC40MIMO_Ant1_5795



11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



11AC80MIMO_Ant1_5290



11AC80MIMO_Ant2_5290



11AC80MIMO_Ant1_5530



11AC80MIMO_Ant2_5530



11AC80MIMO_Ant1_5610



11AC80MIMO_Ant2_5610



11AC80MIMO_Ant1_5690_UNII-2C



11AC80MIMO_Ant2_5690_UNII-2C



11AC80MIMO_Ant1_5690_UNII-3



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



11AX20MIMO_Ant1_5180



11AX20MIMO_Ant2_5180



11AX20MIMO_Ant1_5200



11AX20MIMO_Ant2_5200



11AX20MIMO_Ant1_5240



11AX20MIMO_Ant2_5240



11AX20MIMO Ant1_5260



11AX20MIMO_Ant2_5260



11AX20MIMO_Ant1_5280



11AX20MIMO_Ant2_5280



11AX20MIMO_Ant1_5320



11AX20MIMO_Ant2_5320



11AX20MIMO Ant1_5500



11AX20MIMO_Ant2_5500



11AX20MIMO_Ant1_5580



11AX20MIMO_Ant2_5580



11AX20MIMO_Ant1_5700



11AX20MIMO_Ant2_5700



11AX20MIMO Ant1 5720 UNII-2C



11AX20MIMO Ant2 5720 UNII-2C



11AX20MIMO_Ant1_5720_UNII-3



11AX20MIMO_Ant1_5745



11AX20MIMO_Ant2_5745



11AX20MIMO_Ant1_5785



11AX20MIMO_Ant2_5785



11AX20MIMO_Ant1_5825



11AX20MIMO_Ant2_5825



11AX40MIMO_Ant1_5190



11AX40MIMO_Ant2_5190



11AX40MIMO_Ant1_5230



11AX40MIMO_Ant2_5230



11AX40MIMO_Ant1_5270



11AX40MIMO_Ant2_5270



11AX40MIMO Ant1 5310



11AX40MIMO_Ant2 5310



11AX40MIMO_Ant1_5510



11AX40MIMO_Ant2_5510



11AX40MIMO_Ant1_5550



11AX40MIMO_Ant2_5550



11AX40MIMO Ant1_5670



11AX40MIMO_Ant2_5670



11AX40MIMO_Ant1_5710_UNII-2C



11AX40MIMO_Ant2_5710_UNII-2C



11AX40MIMO_Ant1_5710_UNII-3



11AX40MIMO_Ant1_5755



11AX40MIMO_Ant2_5755



11AX40MIMO_Ant1_5795



11AX40MIMO_Ant2_5795



11AX80MIMO Ant1 5210



11AX80MIMO_Ant2 5210



11AX80MIMO_Ant1_5290



11AX80MIMO_Ant2_5290



11AX80MIMO_Ant1_5530



11AX80MIMO_Ant2_5530



11AX80MIMO_Ant1_5610



11AX80MIMO_Ant2_5610



11AX80MIMO_Ant1_5690_UNII-2C



11AX80MIMO_Ant2_5690_UNII-2C



11AX80MIMO_Ant1_5690_UNII-3



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



Appendix B.3: Test Results of Frequency Stability

Wi-Fi 802.11 a mode (Worst case)

Test Mode: 802.11a Mode					
Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Measurement Frequency (MHz)	Frequency deviation (Hz)	ppm
5180	20	0	5179.984	-0.016	-3.0888
		10	5179.986	-0.014	-2.7027
		20	5179.991	-0.009	-1.73745
		30	5179.99	-0.01	-1.9305
		40	5179.979	-0.021	-4.05405
	18	25	5179.989	-0.011	-2.12355
	22	25	5179.988	-0.012	-2.3166
5320	20	0	5319.981	-0.019	-3.57143
		10	5319.984	-0.016	-3.00752
		20	5319.987	-0.013	-2.44361
		30	5319.989	-0.011	-2.06767
		40	5319.983	-0.017	-3.19549
	18	25	5319.983	-0.017	-3.19549
	22	25	5319.979	-0.021	-3.94737
5500	20	0	5499.983	-0.017	-3.09091
		10	5499.985	-0.015	-2.72727
		20	5499.987	-0.013	-2.36364
		30	5499.988	-0.012	-2.18182
		40	5499.981	-0.019	-3.45455
	18	25	5499.984	-0.016	-2.90909
	22	25	5499.978	-0.022	-4
5825	20	0	5824.979	-0.021	-3.60515
		10	5824.98	-0.02	-3.43348
		20	5824.982	-0.018	-3.09013
		30	5824.973	-0.027	-4.63519
		40	5824.977	-0.023	-3.9485
	18	25	5824.985	-0.015	-2.57511
	22	25	5824.981	-0.019	-3.2618

Appendix B.4: Test Results of 26dB Bandwidth

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict		
11A	Ant1	5180	24.360	5167.160	5191.520	---	PASS		
		5200	24.960	5187.160	5212.120	---	PASS		
		5240	25.040	5228.760	5253.800	---	PASS		
		5260	21.080	5249.520	5270.600	---	PASS		
		5280	23.080	5269.320	5292.400	---	PASS		
		5320	23.120	5309.480	5332.600	---	PASS		
		5500	26.360	5489.040	5515.400	---	PASS		
		5580	25.720	5568.720	5594.440	---	PASS		
		5700	25.920	5689.520	5715.440	---	PASS		
		5720	24.160	5708.960	5733.120	---	PASS		
		5720_UNII-2C	16.04	5708.960	5725	---	PASS		
		5720_UNII-3	8.12	5725	5733.120	---	PASS		
		5745	25.600	5733.640	5759.240	---	PASS		
		5785	24.640	5773.760	5798.400	---	PASS		
5825	26.840	5813.680	5840.520	---	PASS				
11N20MIMO	Ant1	5180	24.280	5169.440	5193.720	---	PASS		
		5200	23.160	5189.440	5212.600	---	PASS		
		5240	24.680	5228.880	5253.560	---	PASS		
		5260	22.560	5249.440	5272.000	---	PASS		
		5280	22.600	5269.240	5291.840	---	PASS		
		5320	21.800	5309.320	5331.120	---	PASS		
		5500	24.280	5489.240	5513.520	---	PASS		
		5580	27.200	5568.400	5595.600	---	PASS		
		5700	24.800	5689.280	5714.080	---	PASS		
		5720	27.960	5707.560	5735.520	---	PASS		
		5720_UNII-2C	17.44	5707.560	5725	---	PASS		
		5720_UNII-3	10.52	5725	5735.520	---	PASS		
		5745	26.200	5734.240	5760.440	---	PASS		
		5785	27.000	5773.360	5800.360	---	PASS		
5825	27.640	5812.960	5840.600	---	PASS				
11N40MIMO	Ant1	5190	40.560	5169.680	5210.240	---	PASS		
		5230	50.480	5209.040	5259.520	---	PASS		
		5270	40.160	5250.240	5290.400	---	PASS		
		5310	40.560	5289.840	5330.400	---	PASS		
		5510	60.480	5482.240	5542.720	---	PASS		
		5550	72.720	5514.960	5587.680	---	PASS		
		5670	68.720	5637.680	5706.400	---	PASS		
		5710	48.560	5690.080	5738.640	---	PASS		
		5710_UNII-2C	34.92	5690.080	5725	---	PASS		
		5710_UNII-3	13.64	5725	5738.640	---	PASS		
		5755	55.440	5728.680	5784.120	---	PASS		
		5795	58.880	5768.920	5827.800	---	PASS		
		11AC20MIMO	Ant1	5180	21.680	5169.440	5191.120	---	PASS
				5200	23.680	5189.400	5213.080	---	PASS
5240	23.840			5229.320	5253.160	---	PASS		
5260	25.640			5249.240	5274.880	---	PASS		
5280	23.880			5269.320	5293.200	---	PASS		
5320	24.040			5309.160	5333.200	---	PASS		
5500	27.720			5487.120	5514.840	---	PASS		
5580	26.200			5568.160	5594.360	---	PASS		
5700	24.080			5689.160	5713.240	---	PASS		
5720	26.520			5709.120	5735.640	---	PASS		
5720_UNII-2C	15.88			5709.120	5725	---	PASS		
5720_UNII-3	10.64			5725	5735.640	---	PASS		
5745	24.480			5733.600	5758.080	---	PASS		
5785	25.160			5774.000	5799.160	---	PASS		
5825	25.680	5814.320	5840.000	---	PASS				
11AC40MIMO	Ant1	5190	40.480	5169.760	5210.240	---	PASS		

		5230	49.840	5200.400	5250.240	---	PASS
		5270	41.440	5249.920	5291.360	---	PASS
		5310	40.480	5289.840	5330.320	---	PASS
		5510	65.040	5482.320	5547.360	---	PASS
		5550	68.240	5516.480	5584.720	---	PASS
		5670	57.440	5642.000	5699.440	---	PASS
		5710	49.200	5690.000	5739.200	---	PASS
		5710 UNII-2C	35	5690.000	5725	---	PASS
		5710 UNII-3	14.2	5725	5739.200	---	PASS
		5755	59.600	5727.160	5786.760	---	PASS
		5795	59.760	5765.720	5825.480	---	PASS
11AC80MIMO	Ant1	5210	136.640	5148.400	5285.040	---	PASS
		5290	108.160	5232.240	5340.400	---	PASS
		5530	159.680	5450.320	5610.000	---	PASS
		5610	158.400	5531.600	5690.000	---	PASS
		5690	151.840	5618.160	5770.000	---	PASS
		5690 UNII-2C	106.84	5618.160	5725	---	PASS
		5690 UNII-3	45	5725	5770.000	---	PASS
		5775	148.960	5697.080	5846.040	---	PASS
11AX20MIMO	Ant1	5180	24.120	5169.480	5193.600	---	PASS
		5200	22.480	5189.440	5211.920	---	PASS
		5240	22.800	5229.280	5252.080	---	PASS
		5260	21.240	5249.400	5270.640	---	PASS
		5280	20.960	5269.600	5290.560	---	PASS
		5320	21.000	5309.680	5330.680	---	PASS
		5500	25.120	5489.440	5514.560	---	PASS
		5580	22.360	5569.600	5591.960	---	PASS
		5700	23.640	5689.760	5713.400	---	PASS
		5720	23.760	5709.520	5733.280	---	PASS
		5720 UNII-2C	15.48	5709.520	5725	---	PASS
		5720 UNII-3	8.28	5725	5733.280	---	PASS
		5745	22.480	5734.440	5756.920	---	PASS
		5785	22.600	5774.360	5796.960	---	PASS
		5825	26.880	5814.520	5841.400	---	PASS
11AX40MIMO	Ant1	5190	40.000	5170.160	5210.160	---	PASS
		5230	39.840	5210.240	5250.080	---	PASS
		5270	40.080	5250.080	5290.160	---	PASS
		5310	40.080	5290.160	5330.240	---	PASS
		5510	45.520	5489.920	5535.440	---	PASS
		5550	45.120	5525.440	5570.560	---	PASS
		5670	66.240	5637.680	5703.920	---	PASS
		5710	46.640	5690.240	5736.880	---	PASS
		5710 UNII-2C	34.76	5690.240	5725	---	PASS
		5710 UNII-3	11.88	5725	5736.880	---	PASS
		5755	48.880	5735.000	5783.880	---	PASS
		5795	62.800	5765.000	5827.800	---	PASS
11AX80MIMO	Ant1	5210	128.160	5158.480	5286.640	---	PASS
		5290	87.680	5249.200	5336.880	---	PASS
		5530	134.880	5472.400	5607.280	---	PASS
		5610	138.560	5551.280	5689.840	---	PASS
		5690	128.960	5638.160	5767.120	---	PASS
		5690 UNII-2C	86.84	5638.160	5725	---	PASS
		5690 UNII-3	42.12	5725	5767.120	---	PASS
		5775	134.560	5717.400	5851.960	---	PASS

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11A_Ant1_5720



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20MIMO_Ant1_5180



11N20MIMO_Ant1_5200



11N20MIMO Ant1 5240



11N20MIMO Ant1 5260



11N20MIMO Ant1 5280



11N20MIMO_Ant1_5320



11N20MIMO_Ant1_5500



11N20MIMO_Ant1_5580



11N20MIMO_Ant1_5700



11N20MIMO_Ant1_5720



11N20MIMO_Ant1_5745

