

Appendix: 5G WIFI

Contents

Appendix A1: Emission Bandwidth.....	3
Test Result.....	3
Test Graphs.....	6
Appendix A2: Occupied channel bandwidth.....	56
Test Result.....	56
Test Graphs.....	58
Appendix A3: Min emission bandwidth.....	86
Test Result.....	86
Test Graphs.....	87
Appendix B: Maximum conducted output power.....	101
Test Result.....	101
Test Graphs.....	106
Appendix C: Maximum power spectral density.....	156
Test Result.....	156
Test Graphs.....	160
Appendix D: Band edge measurements.....	211
Test Result.....	211
Test Graphs.....	215
Appendix E: Conducted Spurious Emission.....	275
Test Result.....	275
Test Graphs.....	278
Appendix F: Frequency Stability.....	334
Test Result.....	334
Appendix G: Duty Cycle.....	353
Test Result.....	353
Test Graphs.....	355

Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.440	5169.680	5191.120	---	PASS
	Ant2	5180	22.160	5169.600	5191.760	---	PASS
	Ant1	5200	23.360	5187.880	5211.240	---	PASS
	Ant2	5200	22.760	5189.160	5211.920	---	PASS
	Ant1	5240	22.640	5228.000	5250.640	---	PASS
	Ant2	5240	21.840	5229.280	5251.120	---	PASS
	Ant1	5745	21.640	5733.600	5755.240	---	PASS
	Ant2	5745	22.520	5733.360	5755.880	---	PASS
	Ant1	5785	20.880	5774.760	5795.640	---	PASS
	Ant2	5785	22.720	5774.000	5796.720	---	PASS
	Ant1	5825	22.440	5813.960	5836.400	---	PASS
	Ant2	5825	21.120	5813.920	5835.040	---	PASS
11N20SISO	Ant1	5180	22.320	5168.440	5190.760	---	PASS
	Ant2	5180	22.160	5169.320	5191.480	---	PASS
	Ant1	5200	23.000	5188.320	5211.320	---	PASS
	Ant2	5200	22.200	5189.040	5211.240	---	PASS
	Ant1	5240	21.960	5229.080	5251.040	---	PASS
	Ant2	5240	23.040	5227.720	5250.760	---	PASS
	Ant1	5745	21.120	5734.080	5755.200	---	PASS
	Ant2	5745	22.240	5733.520	5755.760	---	PASS
	Ant1	5785	22.120	5774.200	5796.320	---	PASS
	Ant2	5785	22.400	5774.080	5796.480	---	PASS
	Ant1	5825	21.920	5814.520	5836.440	---	PASS
	Ant2	5825	22.640	5813.240	5835.880	---	PASS
11N40SISO	Ant1	5190	44.000	5167.760	5211.760	---	PASS
	Ant2	5190	43.040	5168.720	5211.760	---	PASS
	Ant1	5230	44.000	5207.120	5251.120	---	PASS
	Ant2	5230	44.720	5207.840	5252.560	---	PASS
	Ant1	5755	44.320	5732.520	5776.840	---	PASS
	Ant2	5755	44.400	5732.760	5777.160	---	PASS
	Ant1	5795	45.200	5772.680	5817.880	---	PASS
	Ant2	5795	44.160	5772.760	5816.920	---	PASS
11AC20SISO	Ant1	5180	22.000	5168.720	5190.720	---	PASS
	Ant2	5180	21.320	5169.320	5190.640	---	PASS
	Ant1	5200	23.040	5188.360	5211.400	---	PASS
	Ant2	5200	22.440	5188.680	5211.120	---	PASS

	Ant1	5240	21.760	5228.760	5250.520	---	PASS
	Ant2	5240	23.120	5228.960	5252.080	---	PASS
	Ant1	5745	22.360	5733.520	5755.880	---	PASS
	Ant2	5745	22.560	5733.960	5756.520	---	PASS
	Ant1	5785	22.200	5773.720	5795.920	---	PASS
	Ant2	5785	22.160	5773.960	5796.120	---	PASS
	Ant1	5825	23.000	5814.320	5837.320	---	PASS
	Ant2	5825	22.800	5814.320	5837.120	---	PASS
11AC40SISO	Ant1	5190	43.600	5168.320	5211.920	---	PASS
	Ant2	5190	42.960	5169.120	5212.080	---	PASS
	Ant1	5230	43.680	5207.680	5251.360	---	PASS
	Ant2	5230	44.080	5208.080	5252.160	---	PASS
	Ant1	5755	45.600	5732.280	5777.880	---	PASS
	Ant2	5755	44.160	5732.840	5777.000	---	PASS
	Ant1	5795	43.840	5773.000	5816.840	---	PASS
	Ant2	5795	44.880	5772.040	5816.920	---	PASS
11AC80SISO	Ant1	5210	82.880	5167.440	5250.320	---	PASS
	Ant2	5210	83.840	5168.400	5252.240	---	PASS
	Ant1	5775	88.000	5730.200	5818.200	---	PASS
	Ant2	5775	81.920	5733.240	5815.160	---	PASS
11N20MIMO	Ant1	5180	22.880	5168.640	5191.520	---	PASS
	Ant2	5180	21.920	5169.080	5191.000	---	PASS
	Ant1	5200	22.880	5188.320	5211.200	---	PASS
	Ant2	5200	23.200	5188.560	5211.760	---	PASS
	Ant1	5240	22.680	5228.360	5251.040	---	PASS
	Ant2	5240	22.960	5228.360	5251.320	---	PASS
	Ant1	5745	22.640	5733.360	5756.000	---	PASS
	Ant2	5745	22.360	5733.640	5756.000	---	PASS
	Ant1	5785	22.680	5773.400	5796.080	---	PASS
	Ant2	5785	23.720	5772.640	5796.360	---	PASS
	Ant1	5825	23.800	5812.800	5836.600	---	PASS
	Ant2	5825	24.920	5812.400	5837.320	---	PASS
11N40MIMO	Ant1	5190	44.720	5167.760	5212.480	---	PASS
	Ant2	5190	43.520	5168.000	5211.520	---	PASS
	Ant1	5230	44.000	5207.600	5251.600	---	PASS
	Ant2	5230	44.720	5208.400	5253.120	---	PASS
	Ant1	5755	45.920	5732.120	5778.040	---	PASS
	Ant2	5755	43.680	5733.160	5776.840	---	PASS
	Ant1	5795	44.960	5772.760	5817.720	---	PASS
	Ant2	5795	43.760	5772.760	5816.520	---	PASS

11AC20MIMO	Ant1	5180	23.200	5168.600	5191.800	---	PASS
	Ant2	5180	22.200	5168.840	5191.040	---	PASS
	Ant1	5200	23.280	5188.320	5211.600	---	PASS
	Ant2	5200	24.240	5188.040	5212.280	---	PASS
	Ant1	5240	23.680	5227.920	5251.600	---	PASS
	Ant2	5240	23.800	5228.200	5252.000	---	PASS
	Ant1	5745	21.720	5734.000	5755.720	---	PASS
	Ant2	5745	22.200	5733.800	5756.000	---	PASS
	Ant1	5785	21.280	5774.040	5795.320	---	PASS
	Ant2	5785	22.880	5773.320	5796.200	---	PASS
	Ant1	5825	21.600	5814.400	5836.000	---	PASS
	Ant2	5825	23.240	5813.080	5836.320	---	PASS
11AC40MIMO	Ant1	5190	44.800	5167.440	5212.240	---	PASS
	Ant2	5190	43.360	5168.320	5211.680	---	PASS
	Ant1	5230	44.000	5207.520	5251.520	---	PASS
	Ant2	5230	44.160	5207.680	5251.840	---	PASS
	Ant1	5755	44.880	5732.440	5777.320	---	PASS
	Ant2	5755	42.400	5733.560	5775.960	---	PASS
	Ant1	5795	44.480	5772.680	5817.160	---	PASS
	Ant2	5795	42.880	5773.400	5816.280	---	PASS
11AC80MIMO	Ant1	5210	83.200	5167.440	5250.640	---	PASS
	Ant2	5210	82.400	5169.040	5251.440	---	PASS
	Ant1	5775	85.600	5732.280	5817.880	---	PASS
	Ant2	5775	84.000	5733.080	5817.080	---	PASS

Test Graphs



11A_Ant1_5180



11A_Ant2_5180



11A_Ant1_5200



11A_Ant2_5200



11A_Ant1_5240



11A_Ant2_5240



11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



11N20SISO_Ant1_5180



11N20SISO_Ant2_5180



11N20SISO_Ant1_5200



11N20SISO_Ant2_5200



11N20SISO_Ant1_5240



11N20SISO_Ant2_5240



11N20SISO_Ant1_5745



11N20SISO_Ant2_5745



11N20SISO_Ant1_5785



11N20SISO_Ant2_5785



11N20SISO_Ant1_5825



11N20SISO_Ant2_5825



11N40SISO_Ant1_5190



11N40SISO_Ant2_5190



11N40SISO_Ant1_5230



11N40SISO_Ant2_5230



11N40SISO_Ant1_5755



11N40SISO_Ant2_5755



11N40SISO_Ant1_5795



11N40SISO_Ant2_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant2_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant2_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant2_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant2_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant2_5785



11AC20SISO_Ant1_5825



11AC20SISO_Ant2_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant2_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant2_5230



11AC40SISO_Ant1_5755



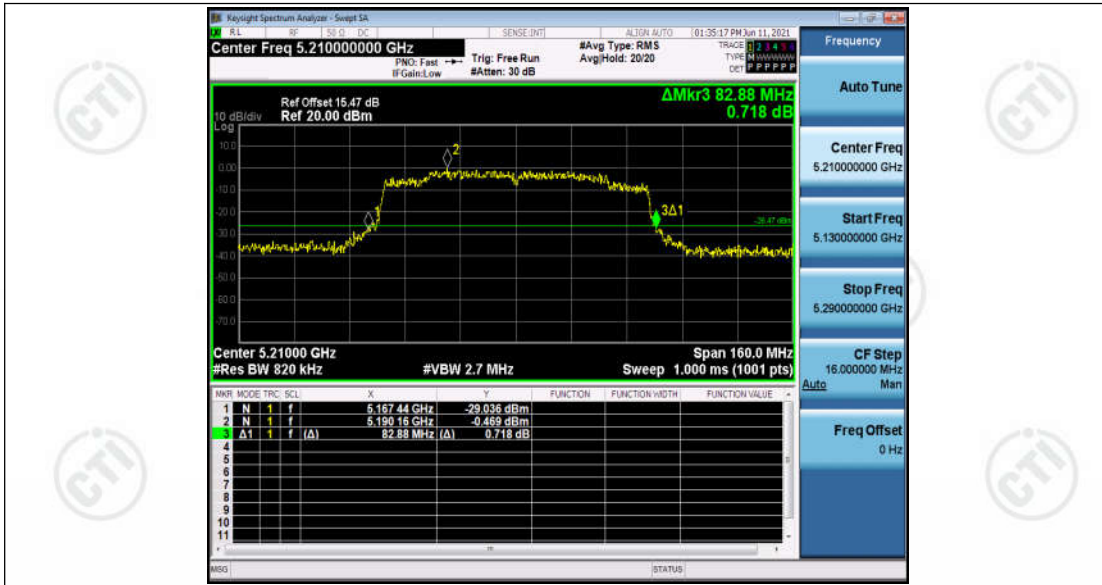
11AC40SISO_Ant2_5755



11AC40SISO_Ant1_5795



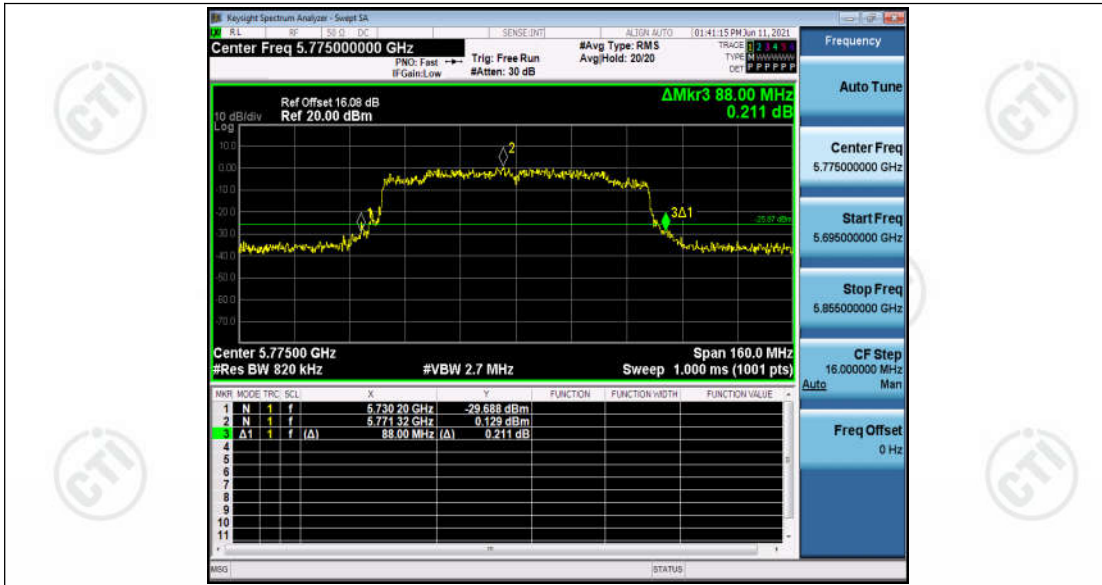
11AC40SISO_Ant2_5795



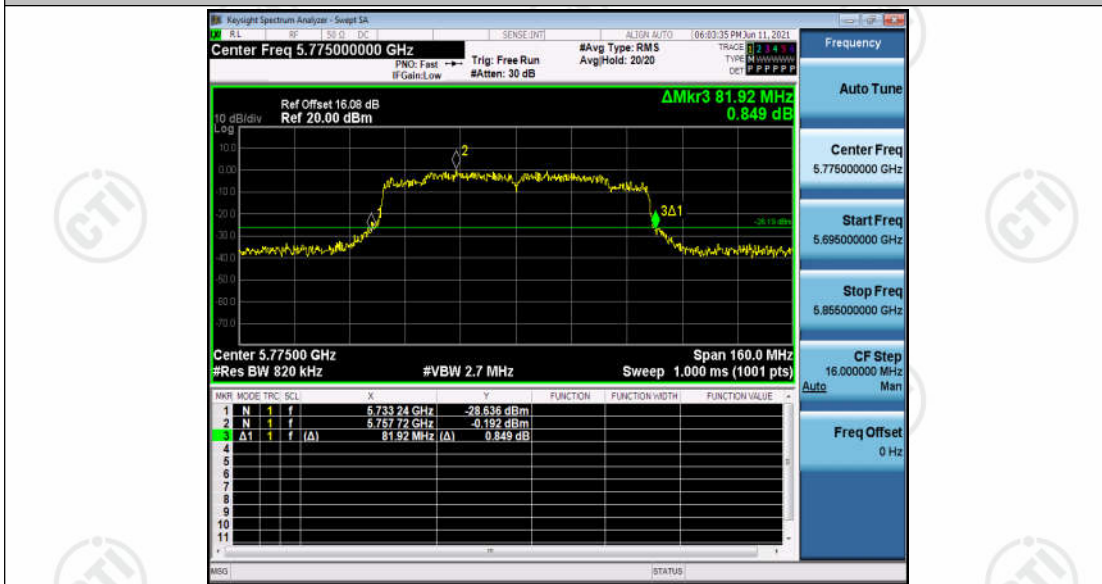
11AC80SISO_Ant1_5210



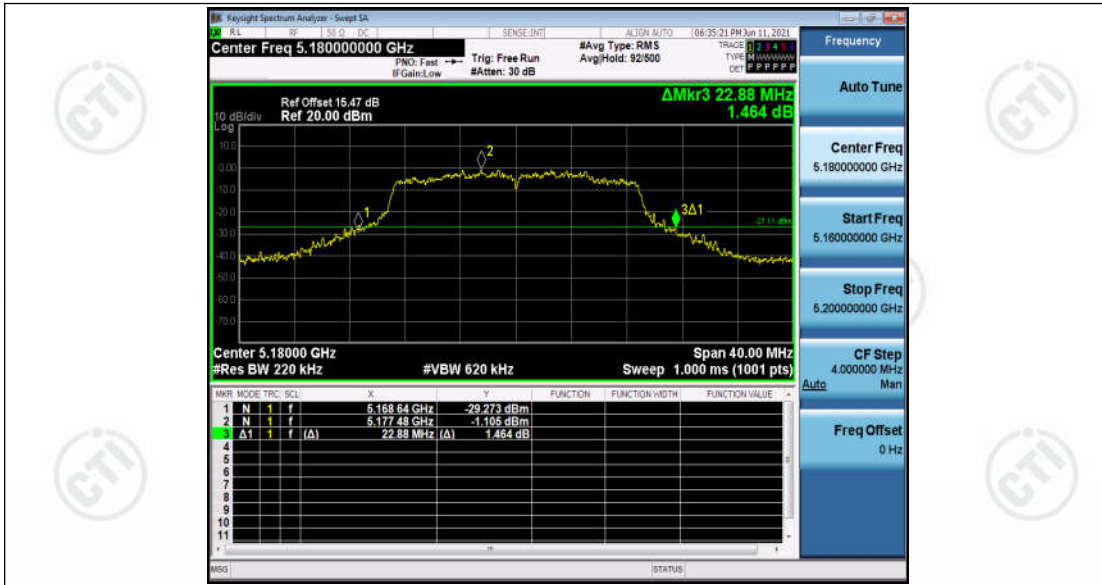
11AC80SISO_Ant2_5210



11AC80SISO_Ant1_5775



11AC80SISO_Ant2_5775



11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240



11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



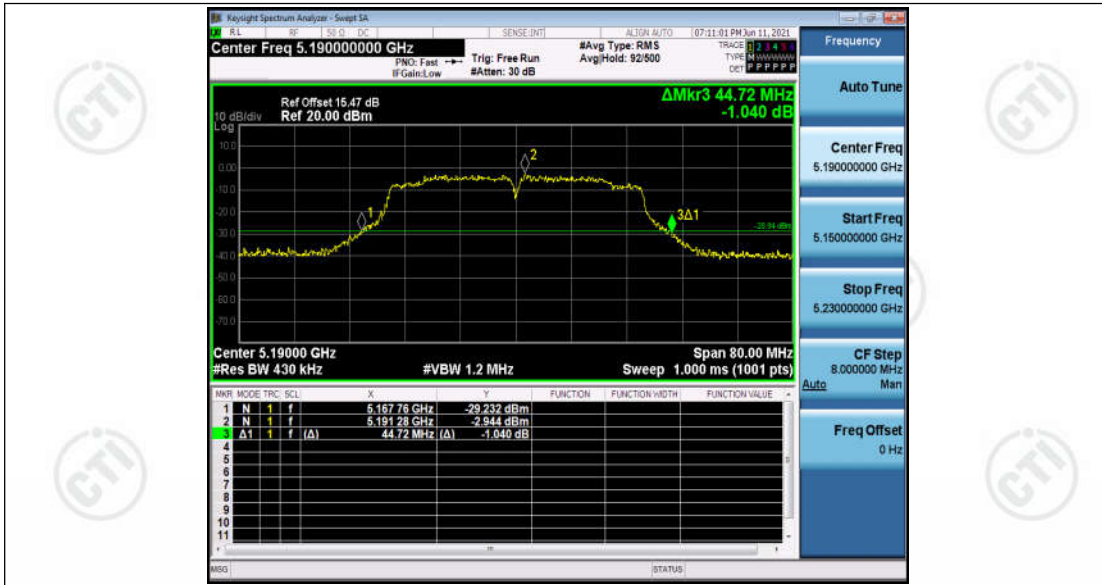
11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825



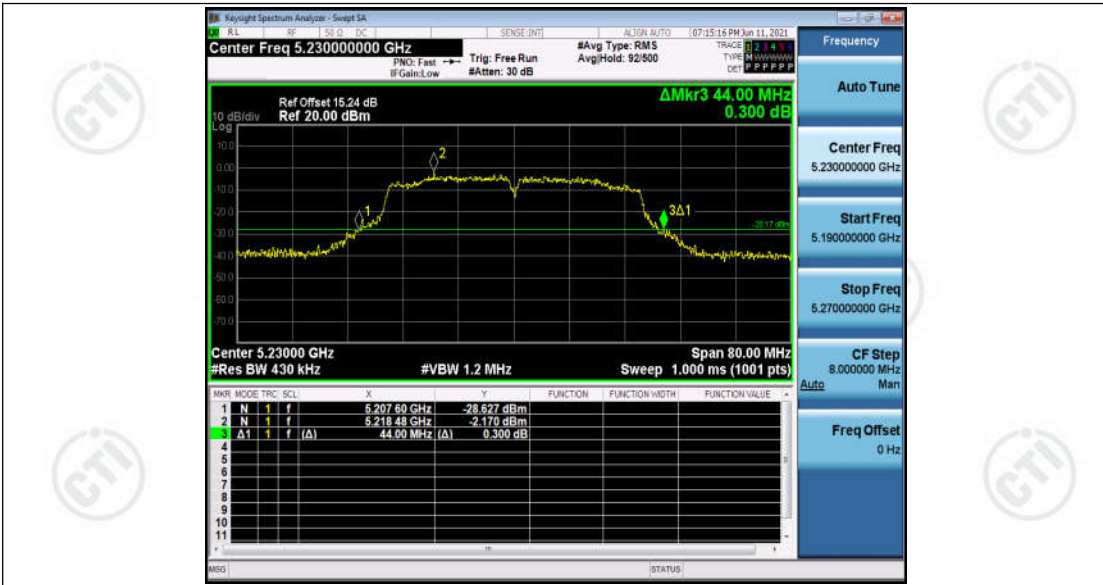
11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5190



11N40MIMO_Ant2_5190



11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



11N40MIMO_Ant1_5755



11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



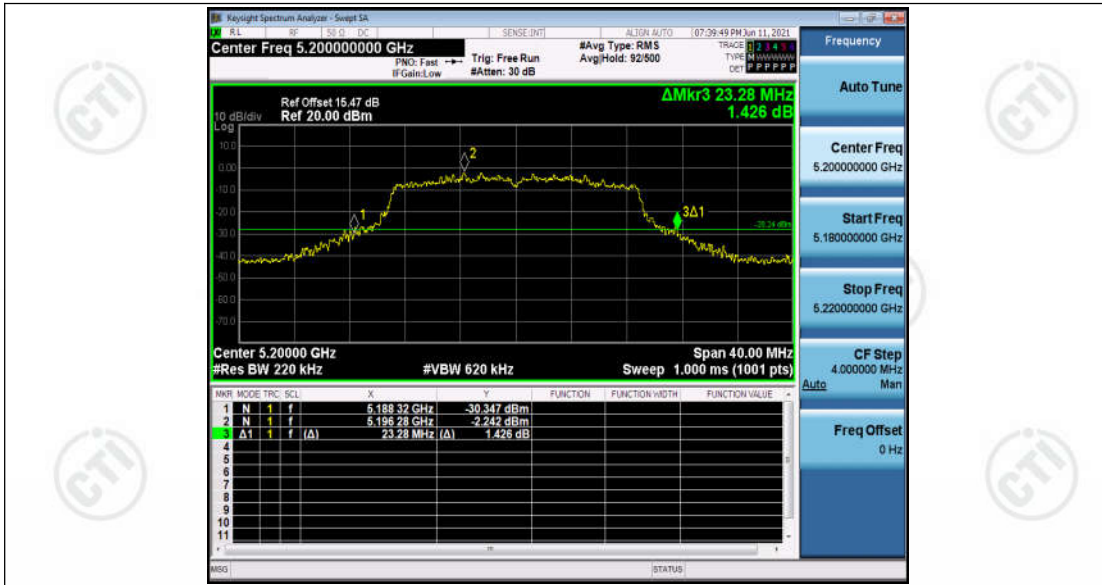
11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



11AC20MIMO_Ant1_5200



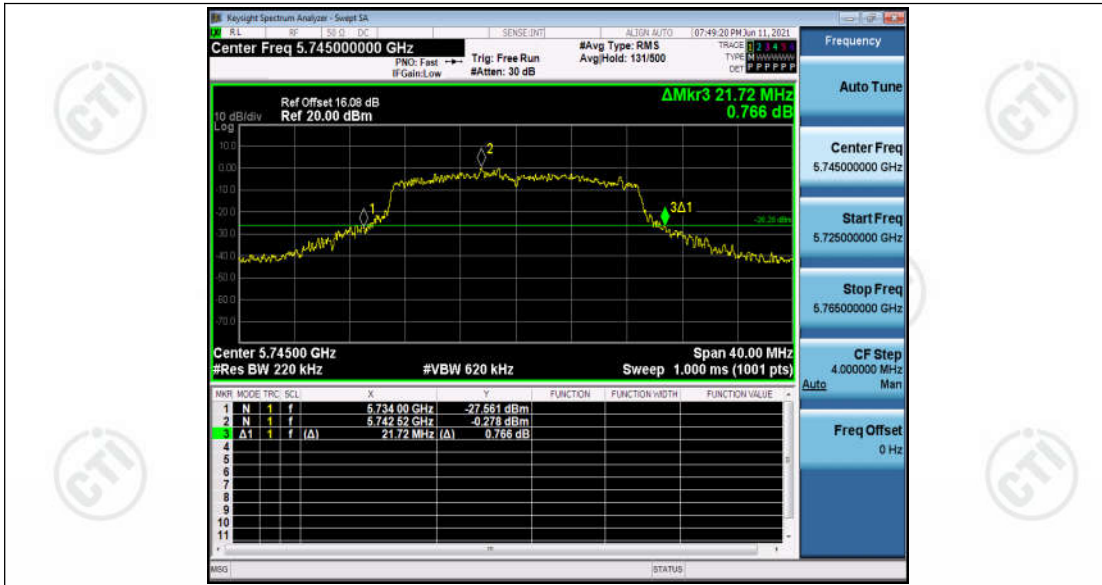
11AC20MIMO_Ant2_5200



11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



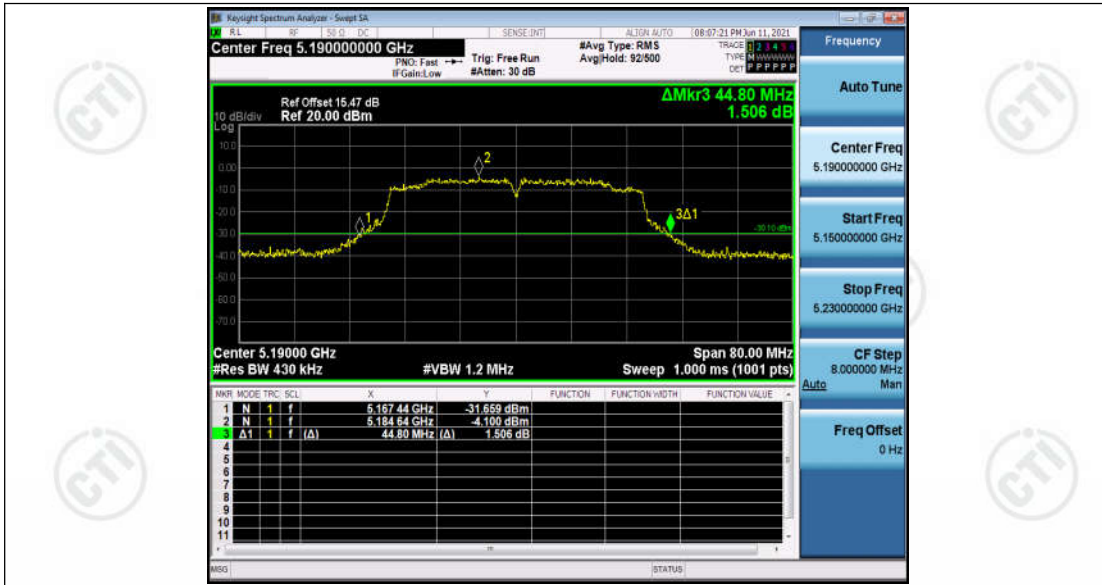
11AC20MIMO_Ant2_5785



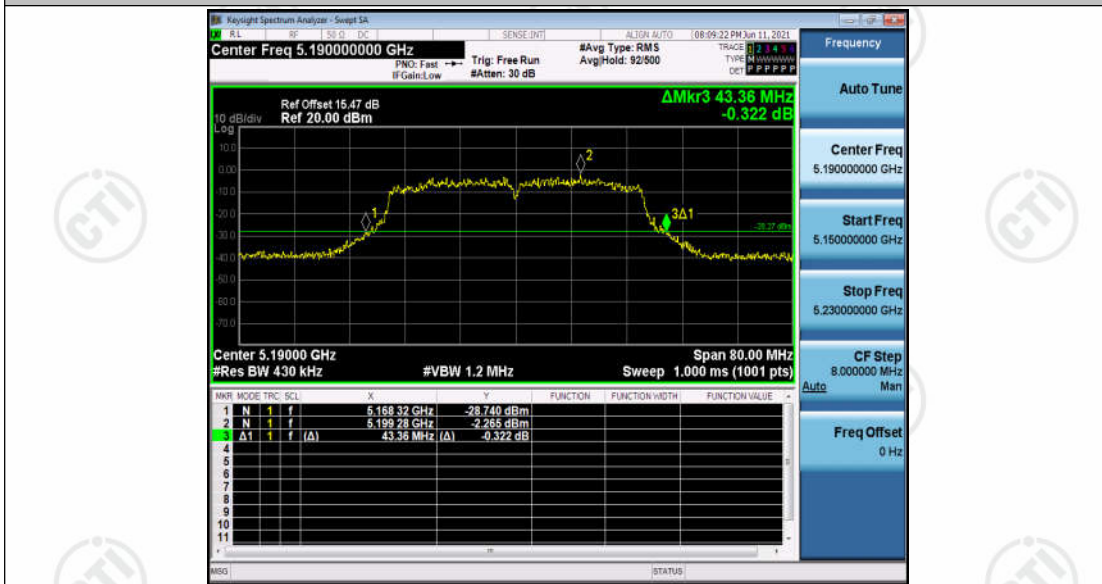
11AC20MIMO_Ant1_5825



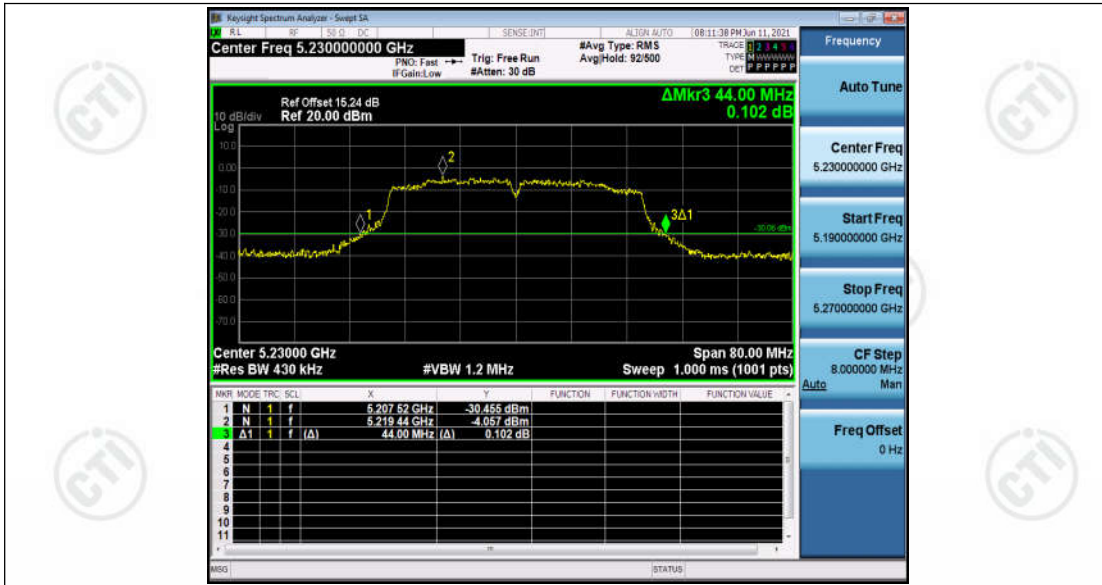
11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5190



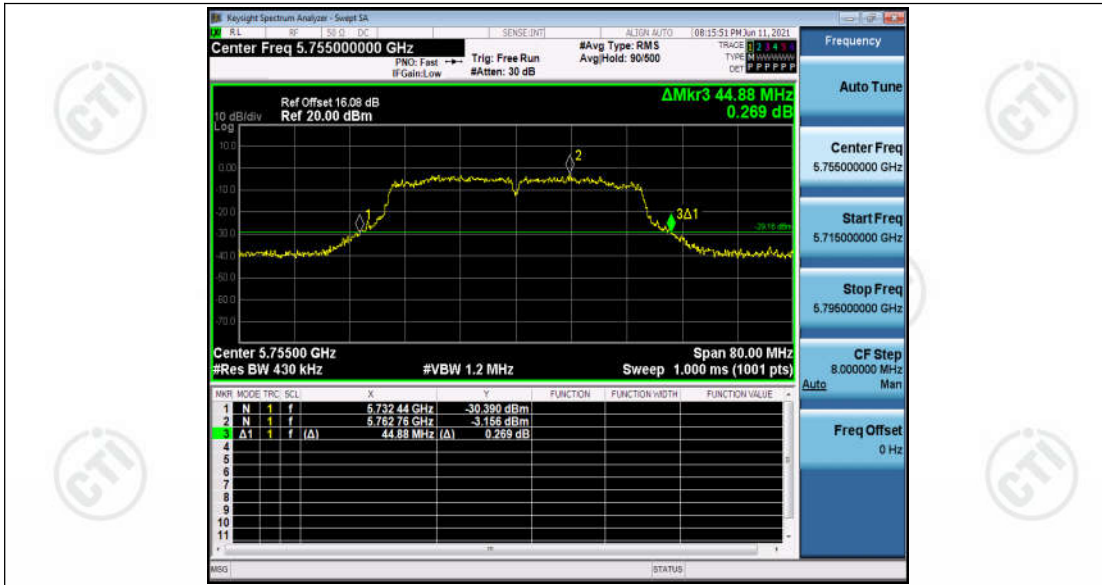
11AC40MIMO_Ant2_5190



11AC40MIMO_Ant1_5230



11AC40MIMO_Ant2_5230



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755