

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.720	5170.520	5189.240	---	---
11A	Ant2	5180	19.320	5170.360	5189.680	---	---
11A	Ant1	5200	19.160	5190.080	5209.240	---	---
11A	Ant2	5200	18.480	5190.880	5209.360	---	---
11A	Ant1	5240	18.120	5230.920	5249.040	---	---
11A	Ant2	5240	18.160	5230.960	5249.120	---	---
11A	Ant1	5260	17.920	5251.080	5269.000	---	---
11A	Ant2	5260	18.280	5250.800	5269.080	---	---
11A	Ant1	5300	19.840	5290.680	5310.520	---	---
11A	Ant2	5300	18.560	5290.800	5309.360	---	---
11A	Ant1	5320	19.440	5310.000	5329.440	---	---
11A	Ant2	5320	18.600	5310.600	5329.200	---	---
11A	Ant1	5500	18.840	5490.840	5509.680	---	---
11A	Ant2	5500	18.440	5490.680	5509.120	---	---
11A	Ant1	5580	18.200	5570.880	5589.080	---	---
11A	Ant2	5580	18.160	5570.960	5589.120	---	---
11A	Ant1	5700	18.480	5690.720	5709.200	---	---
11A	Ant2	5700	19.200	5689.960	5709.160	---	---
11A	Ant1	5745	18.360	5735.840	5754.200	---	---
11A	Ant2	5745	18.640	5735.920	5754.560	---	---
11A	Ant1	5785	18.160	5775.920	5794.080	---	---
11A	Ant2	5785	18.040	5776.080	5794.120	---	---
11A	Ant1	5825	19.440	5814.840	5834.280	---	---
11A	Ant2	5825	19.920	5814.920	5834.840	---	---
11N20MIMO	Ant1	5180	18.800	5170.600	5189.400	---	---
11N20MIMO	Ant2	5180	18.960	5170.600	5189.560	---	---
11N20MIMO	Ant1	5200	19.760	5189.680	5209.440	---	---
11N20MIMO	Ant2	5200	20.000	5189.720	5209.720	---	---
11N20MIMO	Ant1	5240	18.880	5230.600	5249.480	---	---
11N20MIMO	Ant2	5240	18.760	5230.600	5249.360	---	---
11N20MIMO	Ant1	5260	18.920	5250.480	5269.400	---	---
11N20MIMO	Ant2	5260	18.960	5250.520	5269.480	---	---
11N20MIMO	Ant1	5300	19.480	5290.080	5309.560	---	---
11N20MIMO	Ant2	5300	18.800	5290.680	5309.480	---	---
11N20MIMO	Ant1	5320	19.120	5310.560	5329.680	---	---
11N20MIMO	Ant2	5320	18.800	5310.560	5329.360	---	---



11N20MIMO	Ant1	5500	19.240	5490.600	5509.840	---	---
11N20MIMO	Ant2	5500	19.440	5490.040	5509.480	---	---
11N20MIMO	Ant1	5580	18.800	5570.560	5589.360	---	---
11N20MIMO	Ant2	5580	18.680	5570.680	5589.360	---	---
11N20MIMO	Ant1	5700	19.520	5690.520	5710.040	---	---
11N20MIMO	Ant2	5700	18.760	5690.680	5709.440	---	---
11N20MIMO	Ant1	5745	18.800	5735.640	5754.440	---	---
11N20MIMO	Ant2	5745	18.840	5735.560	5754.400	---	---
11N20MIMO	Ant1	5785	18.920	5775.560	5794.480	---	---
11N20MIMO	Ant2	5785	18.760	5775.680	5794.440	---	---
11N20MIMO	Ant1	5825	19.440	5815.000	5834.440	---	---
11N20MIMO	Ant2	5825	18.920	5815.480	5834.400	---	---
11N40MIMO	Ant1	5190	38.320	5170.640	5208.960	---	---
11N40MIMO	Ant2	5190	38.080	5170.960	5209.040	---	---
11N40MIMO	Ant1	5230	38.000	5211.040	5249.040	---	---
11N40MIMO	Ant2	5230	37.920	5211.040	5248.960	---	---
11N40MIMO	Ant1	5270	38.000	5251.040	5289.040	---	---
11N40MIMO	Ant2	5270	37.920	5251.040	5288.960	---	---
11N40MIMO	Ant1	5310	38.080	5290.880	5328.960	---	---
11N40MIMO	Ant2	5310	38.000	5291.120	5329.120	---	---
11N40MIMO	Ant1	5510	38.080	5491.040	5529.120	---	---
11N40MIMO	Ant2	5510	38.160	5490.880	5529.040	---	---
11N40MIMO	Ant1	5590	38.480	5570.640	5609.120	---	---
11N40MIMO	Ant2	5590	37.920	5571.040	5608.960	---	---
11N40MIMO	Ant1	5670	38.880	5650.960	5689.840	---	---
11N40MIMO	Ant2	5670	38.160	5650.960	5689.120	---	---
11N40MIMO	Ant1	5755	38.240	5735.880	5774.120	---	---
11N40MIMO	Ant2	5755	38.400	5735.560	5773.960	---	---
11N40MIMO	Ant1	5795	38.480	5775.800	5814.280	---	---
11N40MIMO	Ant2	5795	37.920	5776.200	5814.120	---	---
11AC20MIMO	Ant1	5180	19.920	5170.040	5189.960	---	---
11AC20MIMO	Ant2	5180	18.720	5170.640	5189.360	---	---
11AC20MIMO	Ant1	5200	19.760	5189.840	5209.600	---	---
11AC20MIMO	Ant2	5200	19.400	5190.040	5209.440	---	---
11AC20MIMO	Ant1	5240	18.880	5230.640	5249.520	---	---
11AC20MIMO	Ant2	5240	18.800	5230.560	5249.360	---	---
11AC20MIMO	Ant1	5260	18.720	5250.640	5269.360	---	---
11AC20MIMO	Ant2	5260	18.720	5250.640	5269.360	---	---
11AC20MIMO	Ant1	5300	19.040	5290.440	5309.480	---	---
11AC20MIMO	Ant2	5300	18.720	5290.640	5309.360	---	---
11AC20MIMO	Ant1	5320	19.160	5310.600	5329.760	---	---
11AC20MIMO	Ant2	5320	19.320	5310.400	5329.720	---	---
11AC20MIMO	Ant1	5500	18.720	5490.640	5509.360	---	---



11AC20MIMO	Ant2	5500	18.960	5490.480	5509.440	---	---
11AC20MIMO	Ant1	5580	18.760	5570.640	5589.400	---	---
11AC20MIMO	Ant2	5580	18.760	5570.680	5589.440	---	---
11AC20MIMO	Ant1	5700	18.880	5690.600	5709.480	---	---
11AC20MIMO	Ant2	5700	18.880	5690.640	5709.520	---	---
11AC20MIMO	Ant1	5745	18.880	5735.560	5754.440	---	---
11AC20MIMO	Ant2	5745	18.880	5735.600	5754.480	---	---
11AC20MIMO	Ant1	5785	18.680	5775.760	5794.440	---	---
11AC20MIMO	Ant2	5785	18.720	5775.600	5794.320	---	---
11AC20MIMO	Ant1	5825	19.080	5815.520	5834.600	---	---
11AC20MIMO	Ant2	5825	19.320	5815.520	5834.840	---	---
11AC40MIMO	Ant1	5190	38.480	5170.880	5209.360	---	---
11AC40MIMO	Ant2	5190	37.920	5170.960	5208.880	---	---
11AC40MIMO	Ant1	5230	38.240	5210.960	5249.200	---	---
11AC40MIMO	Ant2	5230	38.000	5211.120	5249.120	---	---
11AC40MIMO	Ant1	5270	37.920	5250.880	5288.800	---	---
11AC40MIMO	Ant2	5270	37.920	5251.120	5289.040	---	---
11AC40MIMO	Ant1	5310	38.240	5291.040	5329.280	---	---
11AC40MIMO	Ant2	5310	37.920	5291.120	5329.040	---	---
11AC40MIMO	Ant1	5510	38.640	5490.720	5529.360	---	---
11AC40MIMO	Ant2	5510	38.000	5491.120	5529.120	---	---
11AC40MIMO	Ant1	5590	38.160	5570.960	5609.120	---	---
11AC40MIMO	Ant2	5590	37.920	5571.120	5609.040	---	---
11AC40MIMO	Ant1	5670	38.320	5650.880	5689.200	---	---
11AC40MIMO	Ant2	5670	38.560	5650.800	5689.360	---	---
11AC40MIMO	Ant1	5755	38.320	5735.880	5774.200	---	---
11AC40MIMO	Ant2	5755	37.840	5736.040	5773.880	---	---
11AC40MIMO	Ant1	5795	38.320	5775.880	5814.200	---	---
11AC40MIMO	Ant2	5795	37.840	5776.200	5814.040	---	---
11AC80MIMO	Ant1	5210	78.240	5170.800	5249.040	---	---
11AC80MIMO	Ant2	5210	80.640	5170.960	5251.600	---	---
11AC80MIMO	Ant1	5290	78.240	5250.960	5329.200	---	---
11AC80MIMO	Ant2	5290	78.240	5250.800	5329.040	---	---
11AC80MIMO	Ant1	5530	78.080	5491.120	5569.200	---	---
11AC80MIMO	Ant2	5530	78.240	5490.960	5569.200	---	---
11AC80MIMO	Ant1	5610	78.240	5570.960	5649.200	---	---
11AC80MIMO	Ant2	5610	78.720	5570.640	5649.360	---	---
11AC80MIMO	Ant1	5775	78.720	5735.640	5814.360	---	---
11AC80MIMO	Ant2	5775	78.560	5735.800	5814.360	---	---
11AC160MIMO	Ant1	5250	164.160	5169.360	5333.520	---	---
11AC160MIMO	Ant2	5250	160.320	5169.680	5330.000	---	---
11AC160MIMO	Ant1	5250_UNII-1	80.64	5169.360	5250	---	---
11AC160MIMO	Ant2	5250_UNII-1	80.32	5169.680	5250	---	---



11AC160MIMO	Ant1	5250_UNII-2A	83.52	5250	5333.520	---	---
11AC160MIMO	Ant2	5250_UNII-2A	80	5250	5330.000	---	---
11AC160MIMO	Ant1	5570	163.520	5486.480	5650.000	---	---
11AC160MIMO	Ant2	5570	160.000	5490.000	5650.000	---	---
11AX20MIMO	Ant1	5180	19.680	5170.160	5189.840	---	---
11AX20MIMO	Ant2	5180	19.680	5170.160	5189.840	---	---
11AX20MIMO	Ant1	5200	19.680	5190.160	5209.840	---	---
11AX20MIMO	Ant2	5200	19.760	5190.160	5209.920	---	---
11AX20MIMO	Ant1	5240	19.800	5230.040	5249.840	---	---
11AX20MIMO	Ant2	5240	19.800	5230.120	5249.920	---	---
11AX20MIMO	Ant1	5260	19.680	5250.160	5269.840	---	---
11AX20MIMO	Ant2	5260	19.680	5250.120	5269.800	---	---
11AX20MIMO	Ant1	5300	19.840	5290.120	5309.960	---	---
11AX20MIMO	Ant2	5300	19.960	5290.080	5310.040	---	---
11AX20MIMO	Ant1	5320	19.760	5310.080	5329.840	---	---
11AX20MIMO	Ant2	5320	19.800	5310.040	5329.840	---	---
11AX20MIMO	Ant1	5500	19.760	5490.160	5509.920	---	---
11AX20MIMO	Ant2	5500	19.960	5490.040	5510.000	---	---
11AX20MIMO	Ant1	5580	19.600	5570.160	5589.760	---	---
11AX20MIMO	Ant2	5580	19.680	5570.160	5589.840	---	---
11AX20MIMO	Ant1	5700	19.880	5690.000	5709.880	---	---
11AX20MIMO	Ant2	5700	19.760	5690.120	5709.880	---	---
11AX20MIMO	Ant1	5745	19.760	5735.120	5754.880	---	---
11AX20MIMO	Ant2	5745	19.680	5735.200	5754.880	---	---
11AX20MIMO	Ant1	5785	19.720	5775.080	5794.800	---	---
11AX20MIMO	Ant2	5785	19.720	5775.160	5794.880	---	---
11AX20MIMO	Ant1	5825	19.760	5815.120	5834.880	---	---
11AX20MIMO	Ant2	5825	19.680	5815.160	5834.840	---	---
11AX40MIMO	Ant1	5190	39.120	5170.400	5209.520	---	---
11AX40MIMO	Ant2	5190	39.120	5170.400	5209.520	---	---
11AX40MIMO	Ant1	5230	39.200	5210.480	5249.680	---	---
11AX40MIMO	Ant2	5230	39.120	5210.480	5249.600	---	---
11AX40MIMO	Ant1	5270	38.960	5250.560	5289.520	---	---
11AX40MIMO	Ant2	5270	39.360	5250.320	5289.680	---	---
11AX40MIMO	Ant1	5310	38.960	5290.560	5329.520	---	---
11AX40MIMO	Ant2	5310	39.200	5290.480	5329.680	---	---
11AX40MIMO	Ant1	5510	39.040	5490.480	5529.520	---	---
11AX40MIMO	Ant2	5510	39.280	5490.480	5529.760	---	---
11AX40MIMO	Ant1	5590	39.200	5570.320	5609.520	---	---
11AX40MIMO	Ant2	5590	38.960	5570.560	5609.520	---	---
11AX40MIMO	Ant1	5670	39.120	5650.480	5689.600	---	---
11AX40MIMO	Ant2	5670	39.200	5650.480	5689.680	---	---
11AX40MIMO	Ant1	5755	39.040	5735.480	5774.520	---	---



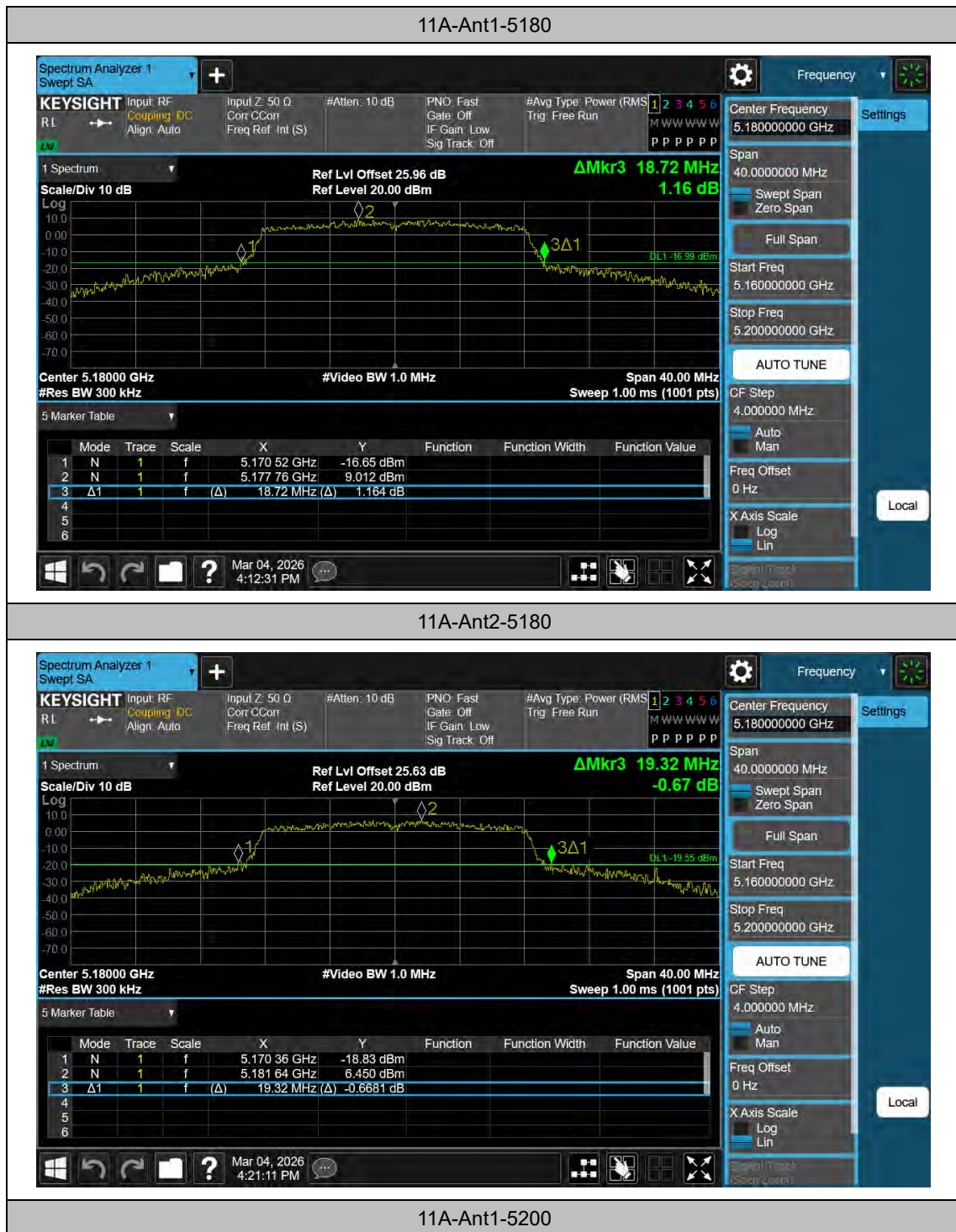
11AX40MIMO	Ant2	5755	39.280	5735.400	5774.680	---	---
11AX40MIMO	Ant1	5795	39.360	5775.400	5814.760	---	---
11AX40MIMO	Ant2	5795	39.120	5775.480	5814.600	---	---
11AX80MIMO	Ant1	5210	80.000	5170.000	5250.000	---	---
11AX80MIMO	Ant2	5210	80.160	5169.840	5250.000	---	---
11AX80MIMO	Ant1	5290	79.840	5250.160	5330.000	---	---
11AX80MIMO	Ant2	5290	80.000	5250.000	5330.000	---	---
11AX80MIMO	Ant1	5530	80.000	5490.000	5570.000	---	---
11AX80MIMO	Ant2	5530	80.000	5490.160	5570.160	---	---
11AX80MIMO	Ant1	5610	80.000	5570.000	5650.000	---	---
11AX80MIMO	Ant2	5610	79.520	5570.160	5649.680	---	---
11AX80MIMO	Ant1	5775	80.160	5735.000	5815.160	---	---
11AX80MIMO	Ant2	5775	79.840	5735.160	5815.000	---	---
11AX160MIMO	Ant1	5250	161.600	5169.360	5330.960	---	---
11AX160MIMO	Ant2	5250	161.280	5169.360	5330.640	---	---
11AX160MIMO	Ant1	5250_UNII-1	80.64	5169.360	5250	---	---
11AX160MIMO	Ant2	5250_UNII-1	80.64	5169.360	5250	---	---
11AX160MIMO	Ant1	5250_UNII-2A	80.96	5250	5330.960	---	---
11AX160MIMO	Ant2	5250_UNII-2A	80.64	5250	5330.640	---	---
11AX160MIMO	Ant1	5570	161.280	5489.360	5650.640	---	---
11AX160MIMO	Ant2	5570	161.600	5489.360	5650.960	---	---
11BE20MIMO	Ant1	5180	19.840	5170.040	5189.880	---	---
11BE20MIMO	Ant2	5180	19.840	5170.120	5189.960	---	---
11BE20MIMO	Ant1	5200	19.760	5190.160	5209.920	---	---
11BE20MIMO	Ant2	5200	19.880	5190.000	5209.880	---	---
11BE20MIMO	Ant1	5240	19.640	5230.160	5249.800	---	---
11BE20MIMO	Ant2	5240	19.760	5230.080	5249.840	---	---
11BE20MIMO	Ant1	5260	19.640	5250.160	5269.800	---	---
11BE20MIMO	Ant2	5260	19.800	5250.120	5269.920	---	---
11BE20MIMO	Ant1	5300	19.760	5290.120	5309.880	---	---
11BE20MIMO	Ant2	5300	19.680	5290.160	5309.840	---	---
11BE20MIMO	Ant1	5320	19.680	5310.160	5329.840	---	---
11BE20MIMO	Ant2	5320	19.800	5310.120	5329.920	---	---
11BE20MIMO	Ant1	5500	19.720	5490.160	5509.880	---	---
11BE20MIMO	Ant2	5500	20.440	5490.080	5510.520	---	---
11BE20MIMO	Ant1	5580	19.680	5570.160	5589.840	---	---
11BE20MIMO	Ant2	5580	19.760	5570.080	5589.840	---	---
11BE20MIMO	Ant1	5700	19.760	5690.160	5709.920	---	---
11BE20MIMO	Ant2	5700	19.800	5690.080	5709.880	---	---
11BE20MIMO	Ant1	5745	19.720	5735.160	5754.880	---	---
11BE20MIMO	Ant2	5745	19.720	5735.120	5754.840	---	---
11BE20MIMO	Ant1	5785	19.640	5775.200	5794.840	---	---
11BE20MIMO	Ant2	5785	19.640	5775.200	5794.840	---	---

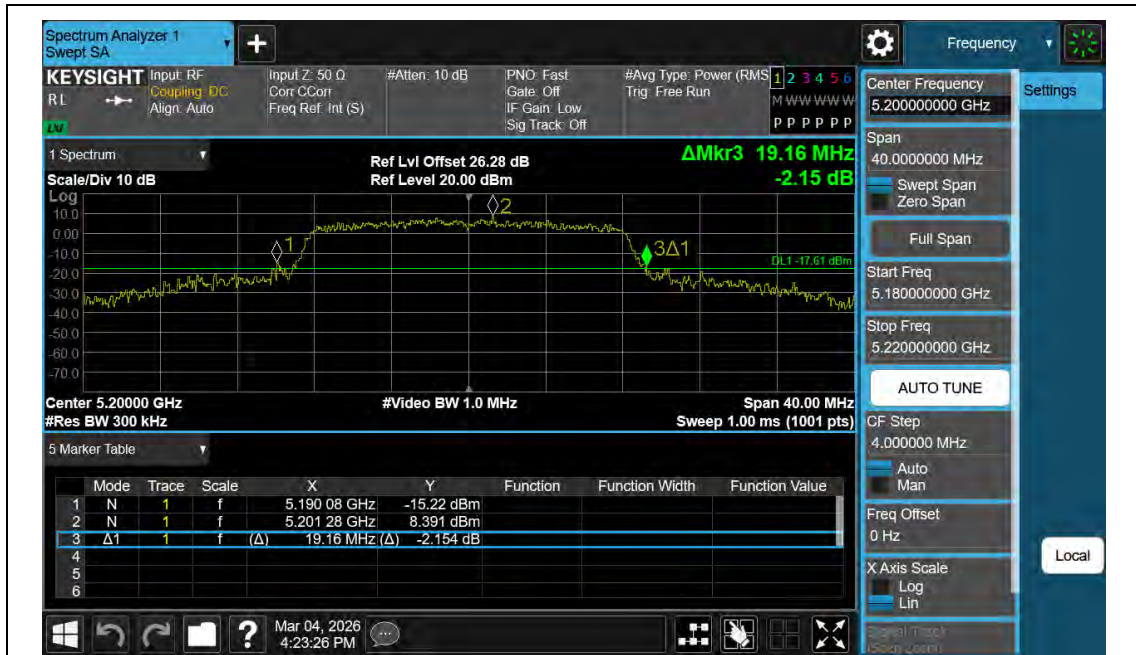


11BE20MIMO	Ant1	5825	19.680	5815.160	5834.840	---	---
11BE20MIMO	Ant2	5825	19.760	5815.080	5834.840	---	---
11BE40MIMO	Ant1	5190	39.120	5170.480	5209.600	---	---
11BE40MIMO	Ant2	5190	39.200	5170.480	5209.680	---	---
11BE40MIMO	Ant1	5230	39.200	5210.320	5249.520	---	---
11BE40MIMO	Ant2	5230	39.280	5210.320	5249.600	---	---
11BE40MIMO	Ant1	5270	39.200	5250.400	5289.600	---	---
11BE40MIMO	Ant2	5270	39.360	5250.240	5289.600	---	---
11BE40MIMO	Ant1	5310	39.280	5290.400	5329.680	---	---
11BE40MIMO	Ant2	5310	39.120	5290.480	5329.600	---	---
11BE40MIMO	Ant1	5510	39.200	5490.480	5529.680	---	---
11BE40MIMO	Ant2	5510	39.280	5490.400	5529.680	---	---
11BE40MIMO	Ant1	5590	39.200	5570.400	5609.600	---	---
11BE40MIMO	Ant2	5590	39.120	5570.480	5609.600	---	---
11BE40MIMO	Ant1	5670	39.280	5650.400	5689.680	---	---
11BE40MIMO	Ant2	5670	38.960	5650.560	5689.520	---	---
11BE40MIMO	Ant1	5755	39.120	5735.400	5774.520	---	---
11BE40MIMO	Ant2	5755	39.120	5735.480	5774.600	---	---
11BE40MIMO	Ant1	5795	39.200	5775.400	5814.600	---	---
11BE40MIMO	Ant2	5795	39.200	5775.400	5814.600	---	---
11BE80MIMO	Ant1	5210	80.000	5170.000	5250.000	---	---
11BE80MIMO	Ant2	5210	80.000	5170.000	5250.000	---	---
11BE80MIMO	Ant1	5290	80.000	5250.000	5330.000	---	---
11BE80MIMO	Ant2	5290	80.000	5250.000	5330.000	---	---
11BE80MIMO	Ant1	5530	80.160	5490.000	5570.160	---	---
11BE80MIMO	Ant2	5530	80.160	5490.000	5570.160	---	---
11BE80MIMO	Ant1	5610	80.000	5570.000	5650.000	---	---
11BE80MIMO	Ant2	5610	79.840	5570.160	5650.000	---	---
11BE80MIMO	Ant1	5775	80.000	5735.000	5815.000	---	---
11BE80MIMO	Ant2	5775	80.000	5735.000	5815.000	---	---
11BE160MIMO	Ant1	5250	167.360	5167.760	5335.120	---	---
11BE160MIMO	Ant2	5250	164.480	5168.080	5332.560	---	---
11BE160MIMO	Ant1	5250_UNII-1	82.24	5167.760	5250	---	---
11BE160MIMO	Ant2	5250_UNII-1	81.92	5168.080	5250	---	---
11BE160MIMO	Ant1	5250_UNII-2A	85.12	5250	5335.120	---	---
11BE160MIMO	Ant2	5250_UNII-2A	82.56	5250	5332.560	---	---
11BE160MIMO	Ant1	5570	167.040	5487.760	5654.800	---	---
11BE160MIMO	Ant2	5570	163.200	5487.440	5650.640	---	---

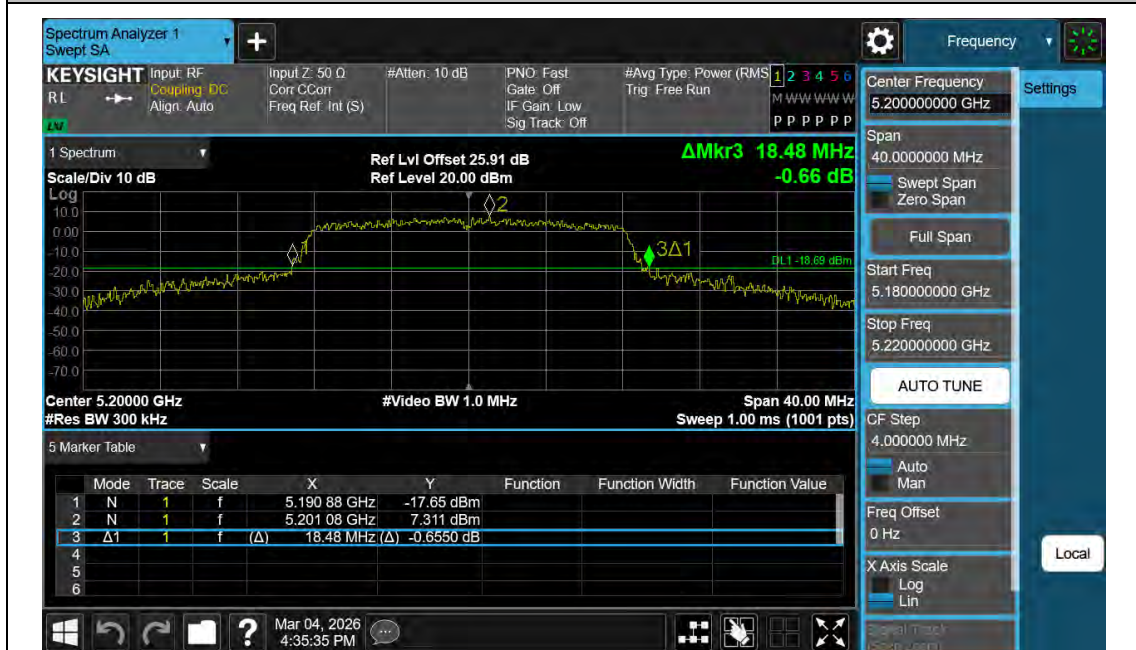


Test Graphs





11A-Ant2-5200



11A-Ant1-5240



11A-Ant2-5240



11A-Ant1-5260



11A-Ant2-5260



11A-Ant1-5300



11A-Ant2-5300



11A-Ant1-5320



11A-Ant2-5320



11A-Ant1-5500



11A-Ant2-5500



11A-Ant1-5580



11A-Ant2-5580



11A-Ant1-5700



11A-Ant2-5700



11A-Ant1-5745



11A-Ant2-5745



11A-Ant1-5785



11A-Ant2-5785



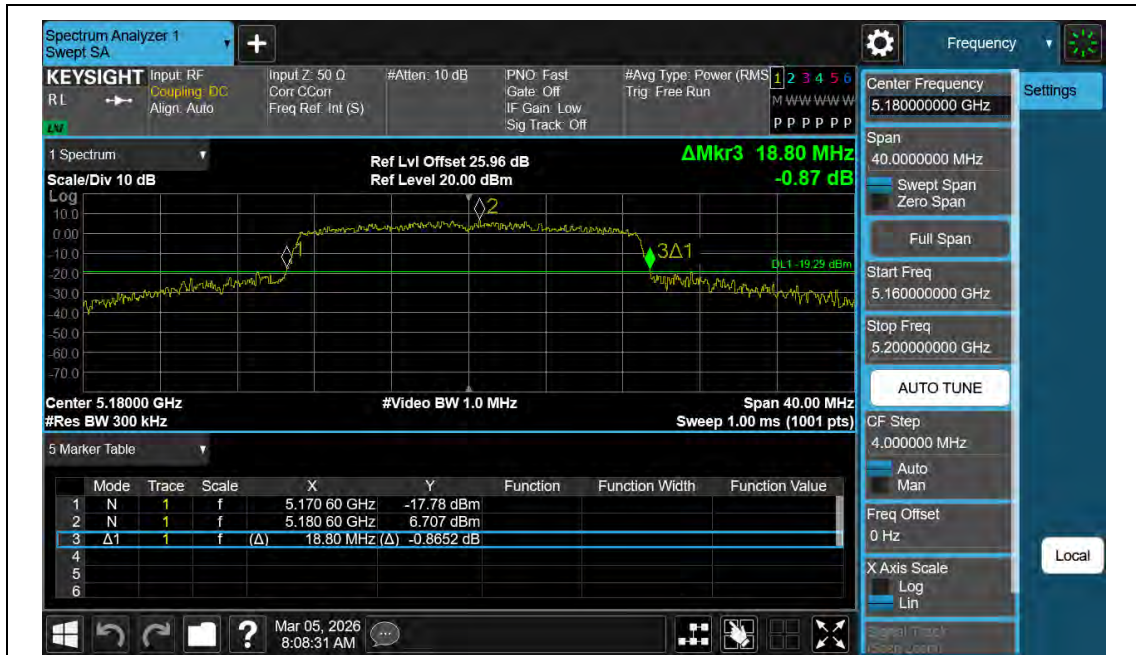
11A-Ant1-5825



11A-Ant2-5825



11N20MIMO-Ant1-5180



11N20MIMO-Ant2-5180



11N20MIMO-Ant1-5200



11N20MIMO-Ant2-5200



11N20MIMO-Ant1-5240



11N20MIMO-Ant2-5240



11N20MIMO-Ant1-5260



11N20MIMO-Ant2-5260



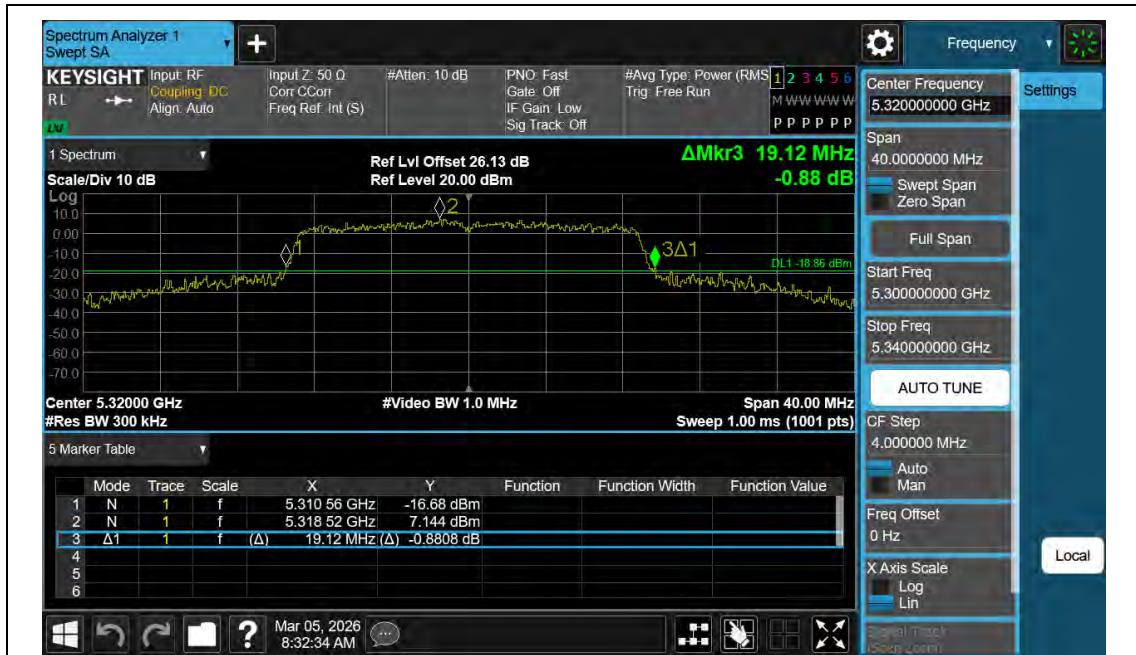
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11N20MIMO-Ant1-5500



11N20MIMO-Ant2-5500



11N20MIMO-Ant1-5580



11N20MIMO-Ant2-5580



11N20MIMO-Ant1-5700



11N20MIMO-Ant2-5700



11N20MIMO-Ant1-5745



11N20MIMO-Ant2-5745



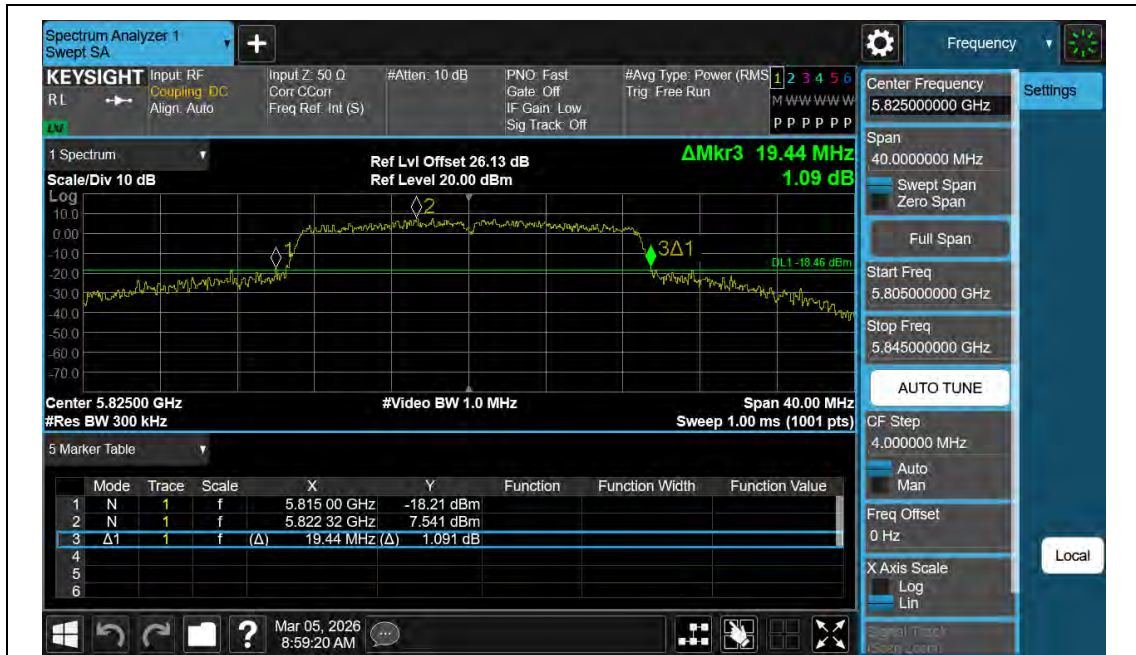
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11N20MIMO-Ant2-5785



11N20MIMO-Ant1-5825



11N20MIMO-Ant2-5825



11N40MIMO-Ant1-5190



11N40MIMO-Ant2-5190



11N40MIMO-Ant1-5230



11N40MIMO-Ant2-5230



11N40MIMO-Ant1-5270



11N40MIMO-Ant2-5270



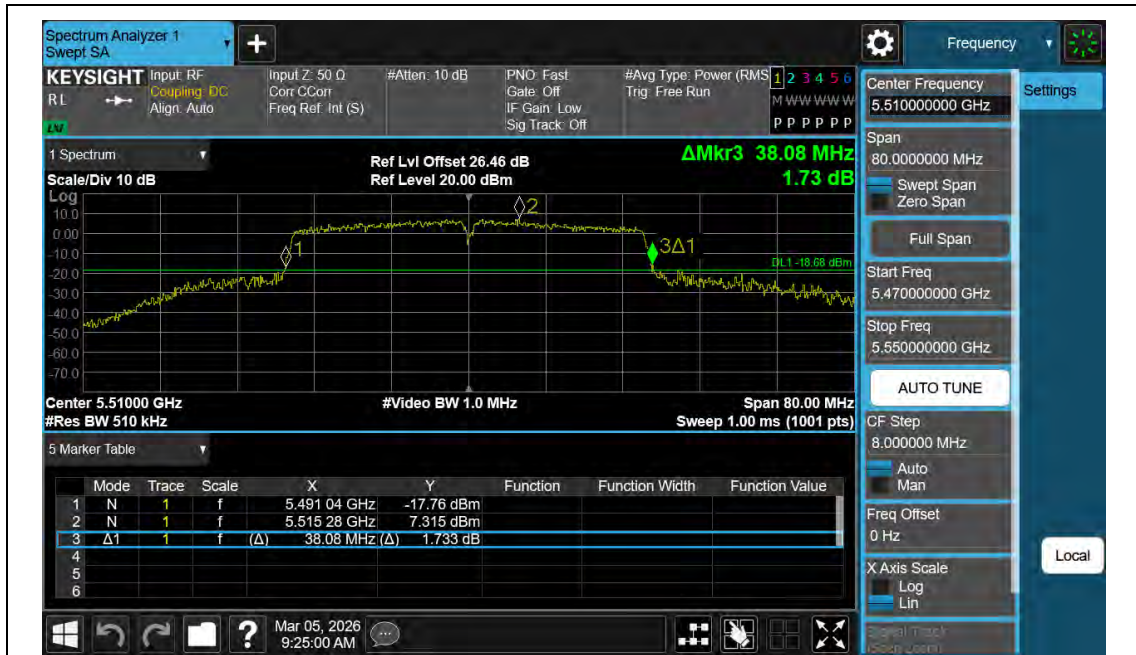
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11N40MIMO-Ant2-5310



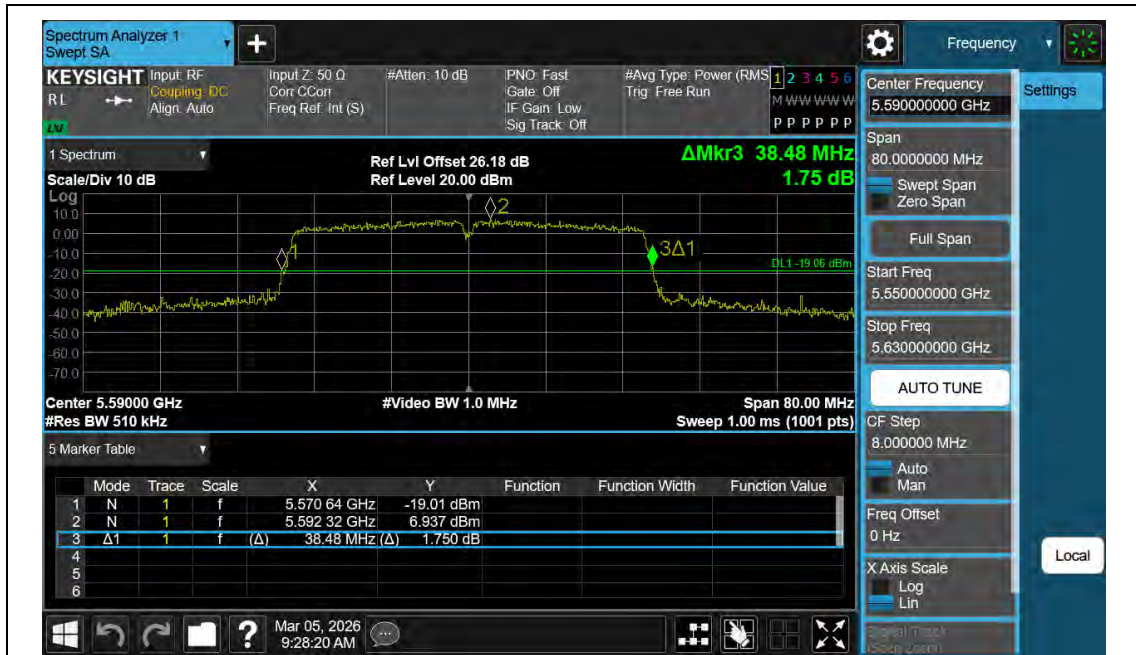
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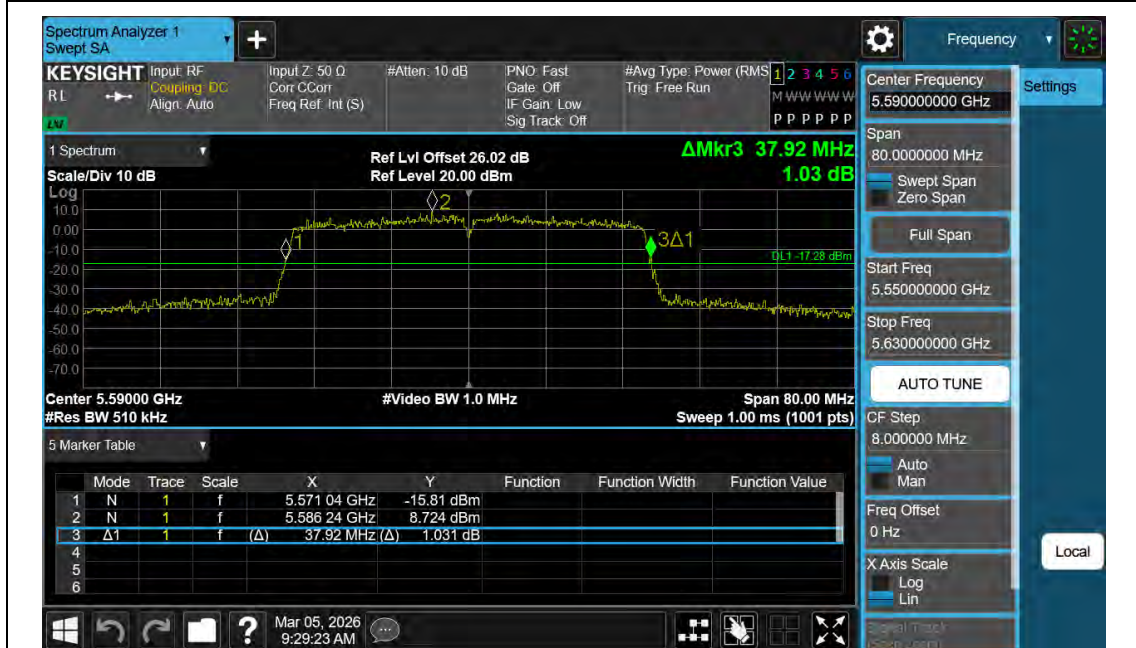
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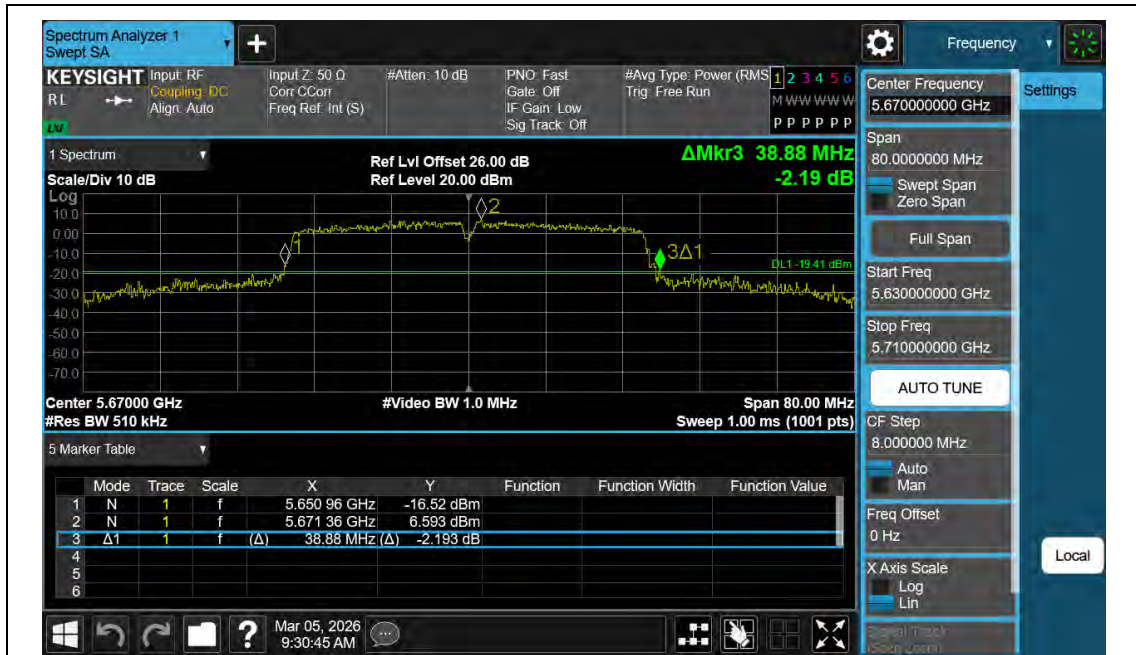
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11N40MIMO-Ant2-5590



11N40MIMO-Ant1-5670



11N40MIMO-Ant2-5670



11N40MIMO-Ant1-5755



11N40MIMO-Ant2-5755



11N40MIMO-Ant1-5795



11N40MIMO-Ant2-5795



11AC20MIMO-Ant1-5180



11AC20MIMO-Ant2-5180



11AC20MIMO-Ant1-5200



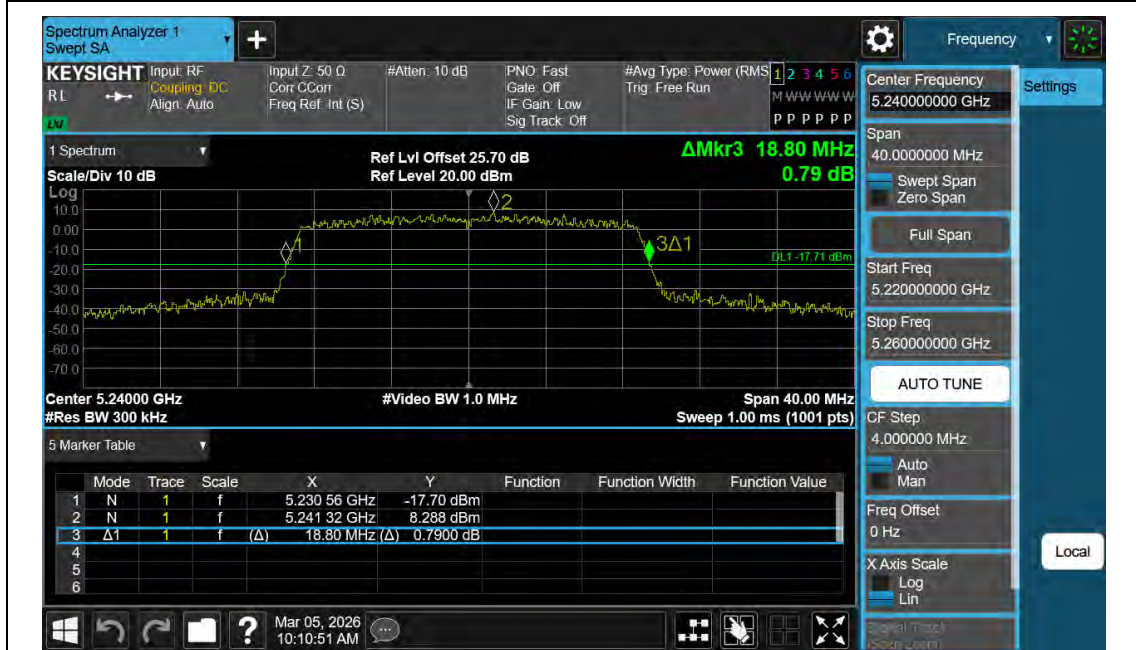
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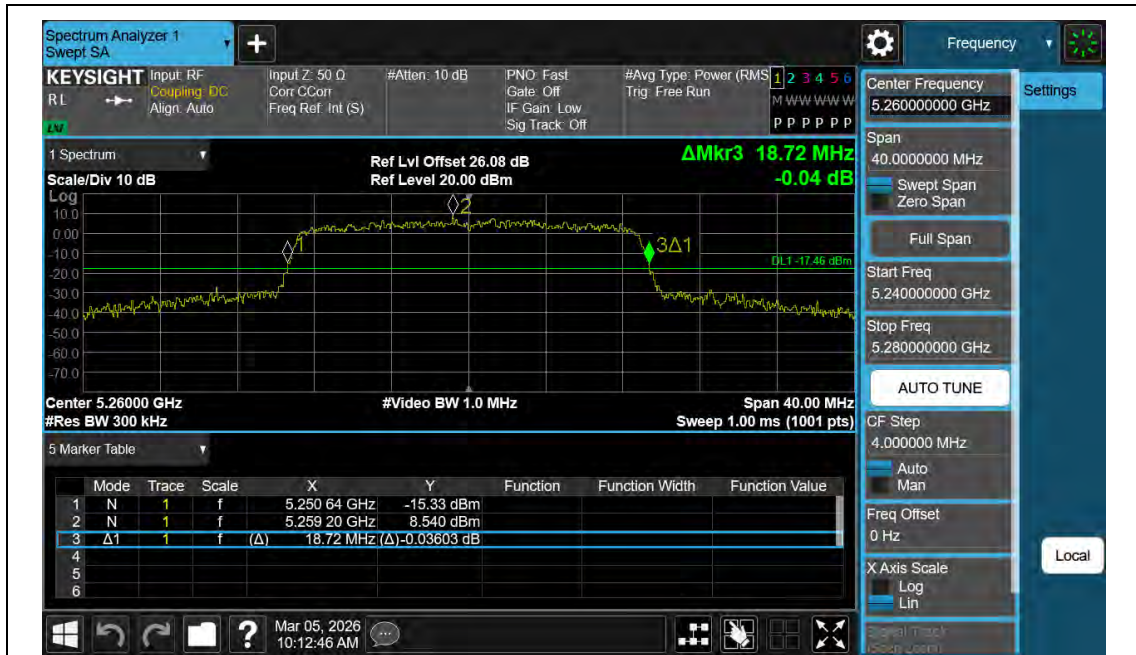
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11AC20MIMO-Ant1-5260



11AC20MIMO-Ant2-5260



11AC20MIMO-Ant1-5300



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11AC20MIMO-Ant1-5320



11AC20MIMO-Ant2-5320



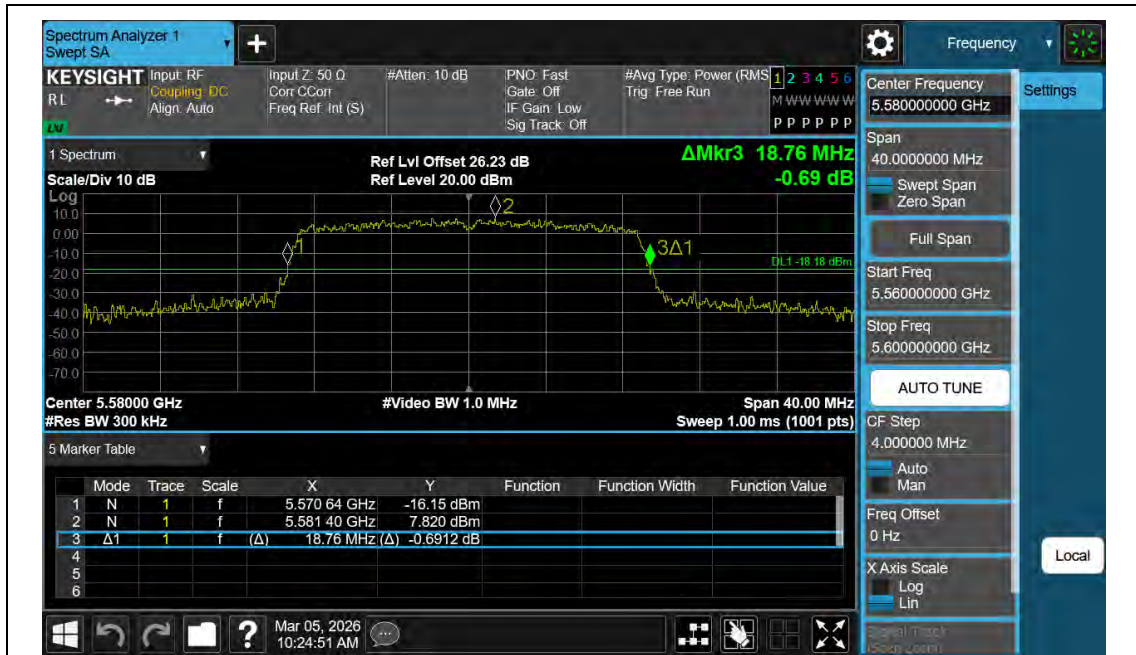
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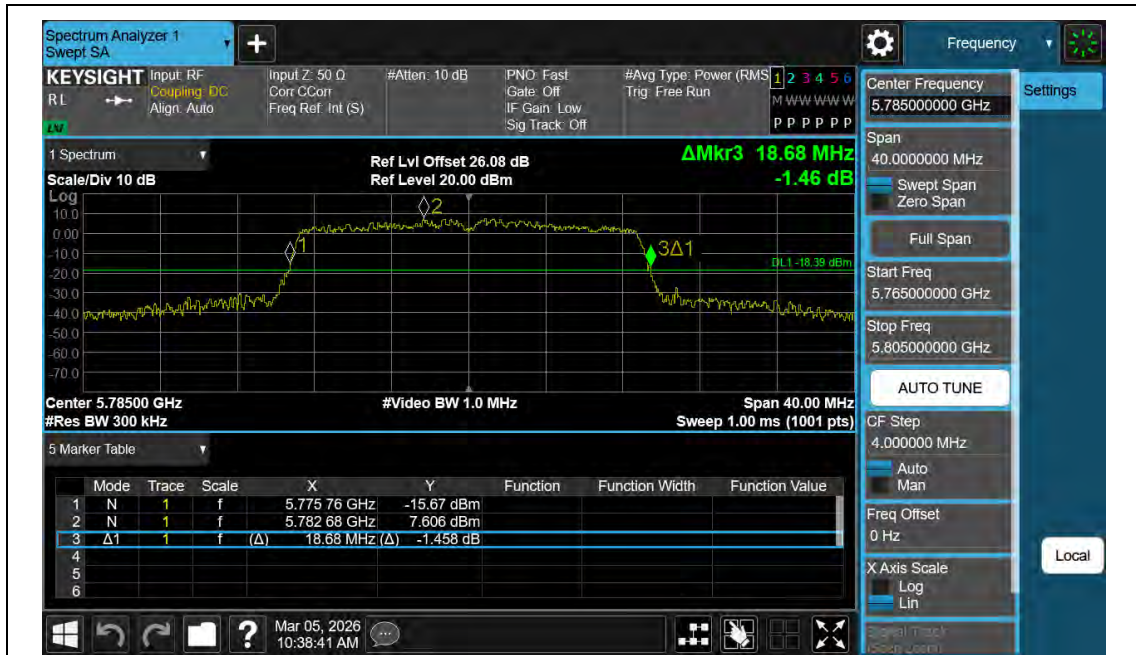
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11AC20MIMO-Ant2-5745



11AC20MIMO-Ant1-5785



11AC20MIMO-Ant2-5785



11AC20MIMO-Ant1-5825