Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.120	5169.840	5189.960	---	---
	Ant2	5180	20.160	5169.800	5189.960	---	---
	Ant1	5220	20.080	5209.880	5229.960	---	---
	Ant2	5220	20.040	5210.040	5230.080	---	---
	Ant1	5240	20.080	5229.880	5249.960	---	---
	Ant2	5240	20.000	5229.920	5249.920	---	---
	Ant1	5260	19.960	5249.920	5269.880	---	---
	Ant2	5260	19.920	5249.960	5269.880	---	---
	Ant1	5300	20.840	5289.560	5310.400	---	---
	Ant2	5300	20.040	5289.920	5309.960	---	---
	Ant1	5320	21.000	5309.480	5330.480	---	---
	Ant2	5320	19.920	5309.880	5329.800	---	---
	Ant1	5500	20.400	5489.880	5510.280	---	---
	Ant2	5500	20.080	5490.000	5510.080	---	---
	Ant1	5580	21.280	5569.760	5591.040	---	---
	Ant2	5580	20.240	5569.920	5590.160	---	---
	Ant1	5700	20.320	5689.840	5710.160	---	---
	Ant2	5700	20.160	5689.760	5709.920	---	---
	Ant1	5745	20.040	5735.040	5755.080	---	---
	Ant2	5745	20.160	5734.880	5755.040	---	---
	Ant1	5785	20.240	5774.760	5795.000	---	---
	Ant2	5785	20.280	5774.720	5795.000	---	---
	Ant1	5825	20.320	5814.840	5835.160	---	---
	Ant2	5825	20.280	5814.680	5834.960	---	---
11N20MIMO	Ant1	5180	20.640	5169.560	5190.200	---	---
	Ant2	5180	20.320	5169.680	5190.000	---	---
	Ant1	5220	20.640	5209.640	5230.280	---	---
	Ant2	5220	20.280	5209.880	5230.160	---	---
	Ant1	5240	20.640	5229.560	5250.200	---	---
	Ant2	5240	20.560	5229.640	5250.200	---	---
	Ant1	5260	20.520	5249.680	5270.200	---	---
	Ant2	5260	20.560	5249.680	5270.240	---	---
	Ant1	5300	20.480	5289.600	5310.080	---	---
	Ant2	5300	20.400	5289.720	5310.120	---	---

	Ant1	5320	20.720	5309.480	5330.200	---	---
	Ant2	5320	20.440	5309.680	5330.120	---	---
	Ant1	5500	20.640	5489.640	5510.280	---	---
	Ant2	5500	20.440	5489.680	5510.120	---	---
	Ant1	5580	20.920	5569.480	5590.400	---	---
	Ant2	5580	20.400	5569.720	5590.120	---	---
	Ant1	5700	20.600	5689.520	5710.120	---	---
	Ant2	5700	20.200	5689.840	5710.040	---	---
	Ant1	5745	20.760	5734.520	5755.280	---	---
	Ant2	5745	20.600	5734.640	5755.240	---	---
	Ant1	5785	20.640	5774.560	5795.200	---	---
	Ant2	5785	20.400	5774.680	5795.080	---	---
	Ant1	5825	20.760	5814.560	5835.320	---	---
	Ant2	5825	20.400	5814.640	5835.040	---	---
11N40MIMO	Ant1	5190	43.360	5168.640	5212.000	---	---
	Ant2	5190	43.040	5168.480	5211.520	---	---
	Ant1	5230	43.600	5208.560	5252.160	---	---
	Ant2	5230	42.800	5208.720	5251.520	---	---
	Ant1	5270	43.200	5248.640	5291.840	---	---
	Ant2	5270	43.280	5248.560	5291.840	---	---
	Ant1	5310	43.840	5288.240	5332.080	---	---
	Ant2	5310	43.120	5288.560	5331.680	---	---
	Ant1	5510	43.360	5488.720	5532.080	---	---
	Ant2	5510	42.720	5488.720	5531.440	---	---
	Ant1	5590	42.720	5568.960	5611.680	---	---
	Ant2	5590	43.040	5568.640	5611.680	---	---
	Ant1	5670	43.120	5648.400	5691.520	---	---
	Ant2	5670	42.960	5648.480	5691.440	---	---
	Ant1	5755	43.040	5733.560	5776.600	---	---
	Ant2	5755	42.960	5733.720	5776.680	---	---
	Ant1	5795	42.880	5773.640	5816.520	---	---
	Ant2	5795	42.720	5773.640	5816.360	---	---
11AC20MIMO	Ant1	5180	20.560	5169.600	5190.160	---	---
	Ant2	5180	20.760	5169.520	5190.280	---	---
	Ant1	5220	20.840	5209.600	5230.440	---	---
	Ant2	5220	20.600	5209.520	5230.120	---	---
	Ant1	5240	20.920	5229.440	5250.360	---	---
	Ant2	5240	20.600	5229.640	5250.240	---	---
	Ant1	5260	20.920	5249.520	5270.440	---	---

	Ant2	5260	20.480	5249.680	5270.160	---	---
	Ant1	5300	20.880	5289.440	5310.320	---	---
	Ant2	5300	20.640	5289.640	5310.280	---	---
	Ant1	5320	20.920	5309.400	5330.320	---	---
	Ant2	5320	20.360	5309.760	5330.120	---	---
	Ant1	5500	21.040	5489.400	5510.440	---	---
	Ant2	5500	20.440	5489.760	5510.200	---	---
	Ant1	5580	20.600	5569.600	5590.200	---	---
	Ant2	5580	20.640	5569.480	5590.120	---	---
	Ant1	5700	20.760	5689.480	5710.240	---	---
	Ant2	5700	20.360	5689.640	5710.000	---	---
	Ant1	5745	20.680	5734.640	5755.320	---	---
	Ant2	5745	20.560	5734.600	5755.160	---	---
	Ant1	5785	20.600	5774.560	5795.160	---	---
	Ant2	5785	20.400	5774.680	5795.080	---	---
	Ant1	5825	20.800	5814.520	5835.320	---	---
	Ant2	5825	20.520	5814.600	5835.120	---	---
11AC40MIMO	Ant1	5190	43.200	5168.640	5211.840	---	---
	Ant2	5190	43.120	5168.720	5211.840	---	---
	Ant1	5230	42.800	5208.640	5251.440	---	---
	Ant2	5230	42.960	5208.720	5251.680	---	---
	Ant1	5270	43.360	5248.640	5292.000	---	---
	Ant2	5270	43.280	5248.720	5292.000	---	---
	Ant1	5310	43.280	5288.560	5331.840	---	---
	Ant2	5310	42.800	5288.640	5331.440	---	---
	Ant1	5510	43.520	5488.560	5532.080	---	---
	Ant2	5510	43.200	5488.640	5531.840	---	---
	Ant1	5590	43.280	5568.720	5612.000	---	---
	Ant2	5590	42.960	5568.640	5611.600	---	---
	Ant1	5670	43.120	5648.320	5691.440	---	---
	Ant2	5670	42.960	5648.720	5691.680	---	---
	Ant1	5755	43.040	5733.640	5776.680	---	---
	Ant2	5755	42.800	5733.640	5776.440	---	---
	Ant1	5795	43.280	5773.480	5816.760	---	---
	Ant2	5795	42.960	5773.880	5816.840	---	---
11AC80MIMO	Ant1	5210	83.360	5168.560	5251.920	---	---
	Ant2	5210	82.560	5169.360	5251.920	---	---
	Ant1	5290	83.040	5248.400	5331.440	---	---
	Ant2	5290	81.760	5249.360	5331.120	---	---

	Ant1	5530	81.760	5489.520	5571.280	---	---
	Ant2	5530	80.960	5489.360	5570.320	---	---
	Ant1	5610	81.120	5569.200	5650.320	---	---
	Ant2	5610	80.960	5569.360	5650.320	---	---
	Ant1	5775	81.760	5734.200	5815.960	---	---
	Ant2	5775	81.440	5734.360	5815.800	---	---

Test Graphs

11A_Ant1_5180

11A_Ant2_5180

11A_Ant1_5220

11A_Ant2_5220

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

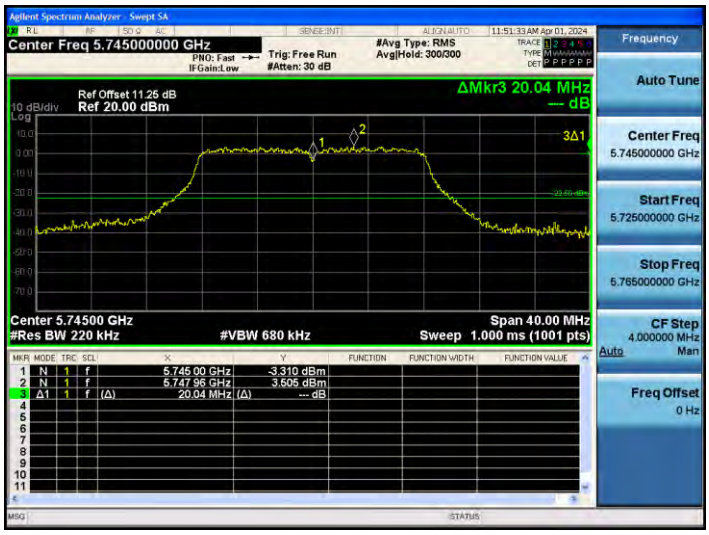
11A_Ant1_5580

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_5220

11N20MIMO_Ant2_5220

11N20MIMO_Ant1_5240

11N20MIMO_Ant2_5240

11N20MIMO_Ant1_5260

11N20MIMO_Ant2_5260

11N20MIMO_Ant1_5300

11N20MIMO_Ant2_5300

11N20MIMO_Ant1_5320

11N20MIMO_Ant2_5320

11N20MIMO_Ant1_5500

11N20MIMO_Ant2_5500

11N20MIMO_Ant1_5580

11N20MIMO_Ant2_5580

11N20MIMO_Ant1_5700

11N20MIMO_Ant2_5700

11N20MIMO_Ant1_5745

11N20MIMO_Ant2_5745

11N20MIMO_Ant1_5785

11N20MIMO_Ant2_5785

11N20MIMO_Ant1_5825

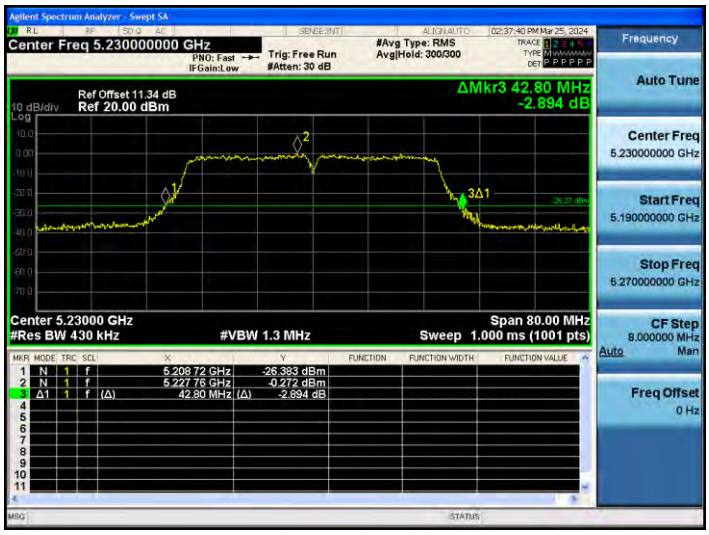
11N20MIMO_Ant2_5825

11N40MIMO_Ant1_5190

11N40MIMO_Ant2_5190

11N40MIMO_Ant1_5230

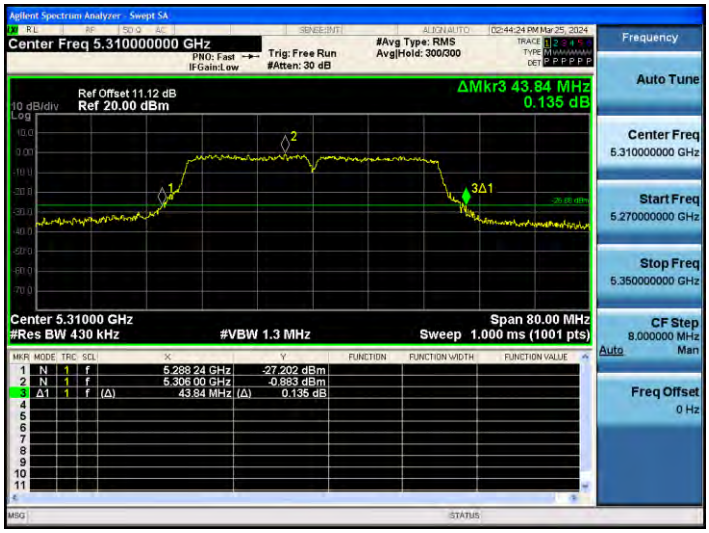
11N40MIMO_Ant2_5230



11N40MIMO_Ant1_5270

11N40MIMO_Ant2_5270

11N40MIMO_Ant1_5310



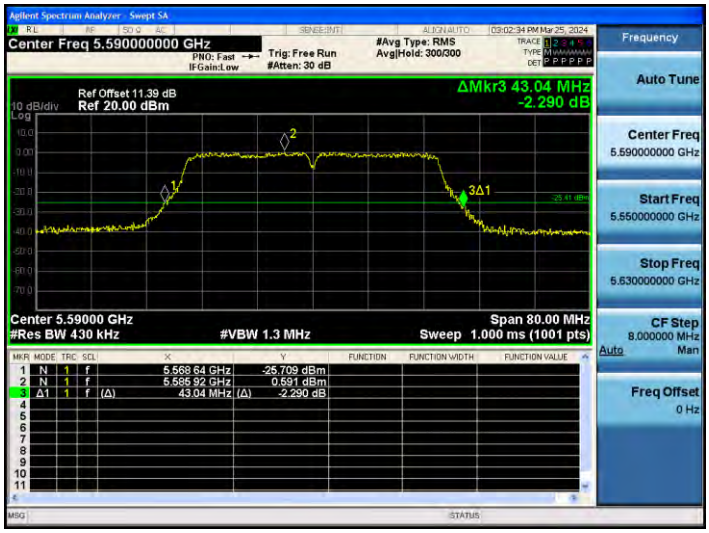
11N40MIMO_Ant2_5310

11N40MIMO_Ant1_5510

11N40MIMO_Ant2_5510

11N40MIMO_Ant1_5590

11N40MIMO_Ant2_5590

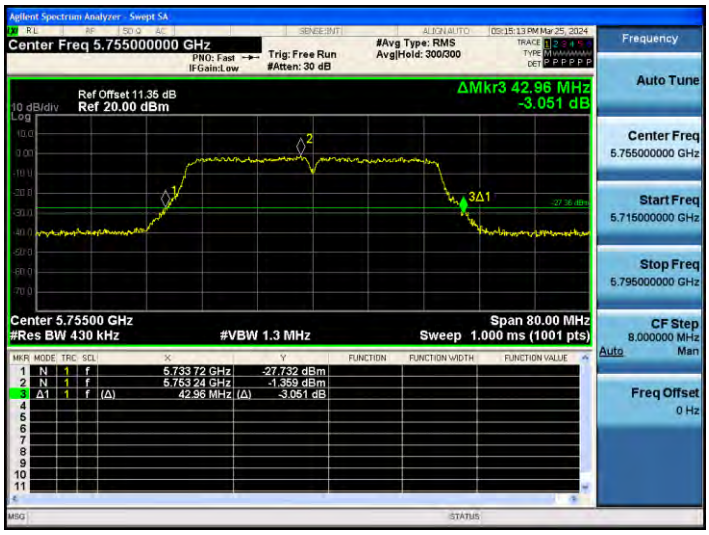


11N40MIMO_Ant1_5670

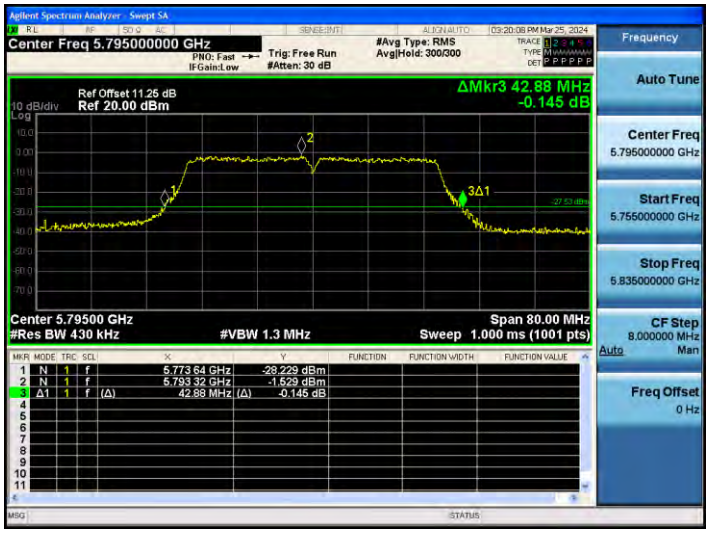
11N40MIMO_Ant2_5670

11N40MIMO_Ant1_5755

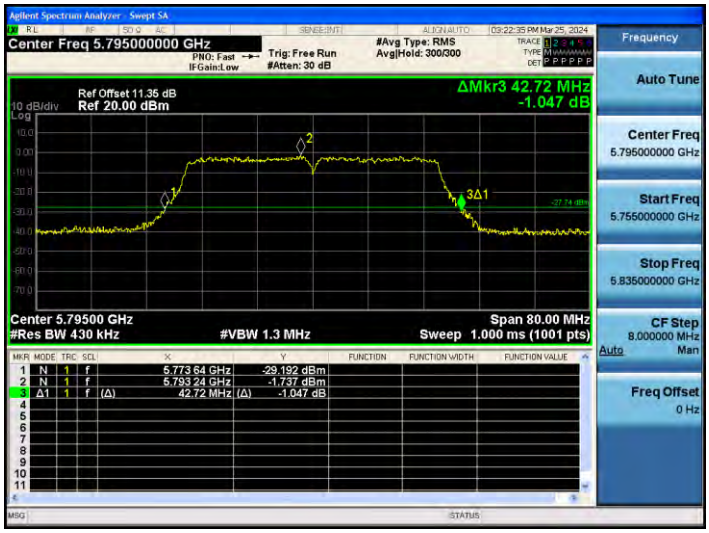
11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5180

11AC20MIMO_Ant2_5180

11AC20MIMO_Ant1_5220

11AC20MIMO_Ant2_5220

11AC20MIMO_Ant1_5240

11AC20MIMO_Ant2_5240

11AC20MIMO_Ant1_5260

11AC20MIMO_Ant2_5260

11AC20MIMO_Ant1_5300

11AC20MIMO_Ant2_5300

11AC20MIMO_Ant1_5320

11AC20MIMO_Ant2_5320

11AC20MIMO_Ant1_5500

11AC20MIMO_Ant2_5500

11AC20MIMO_Ant1_5580

11AC20MIMO_Ant2_5580

11AC20MIMO_Ant1_5700

11AC20MIMO_Ant2_5700

11AC20MIMO_Ant1_5745

11AC20MIMO_Ant2_5745

11AC20MIMO_Ant1_5785

11AC20MIMO_Ant2_5785

11AC20MIMO_Ant1_5825

11AC20MIMO_Ant2_5825

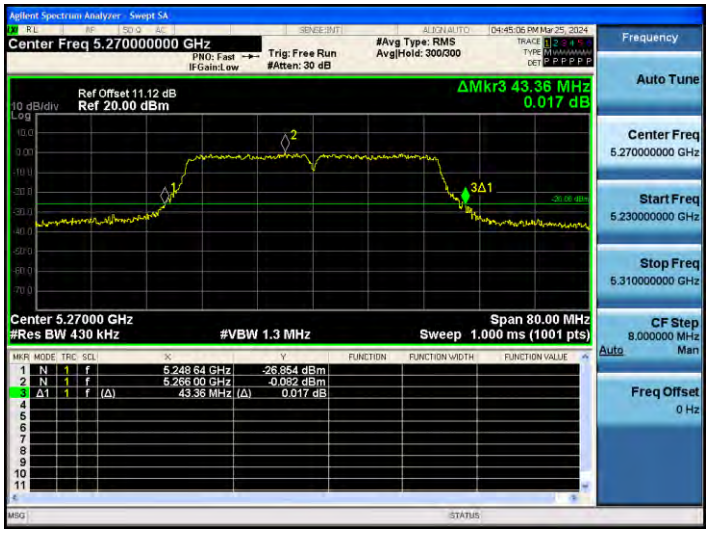
11AC40MIMO_Ant1_5190

11AC40MIMO_Ant2_5190

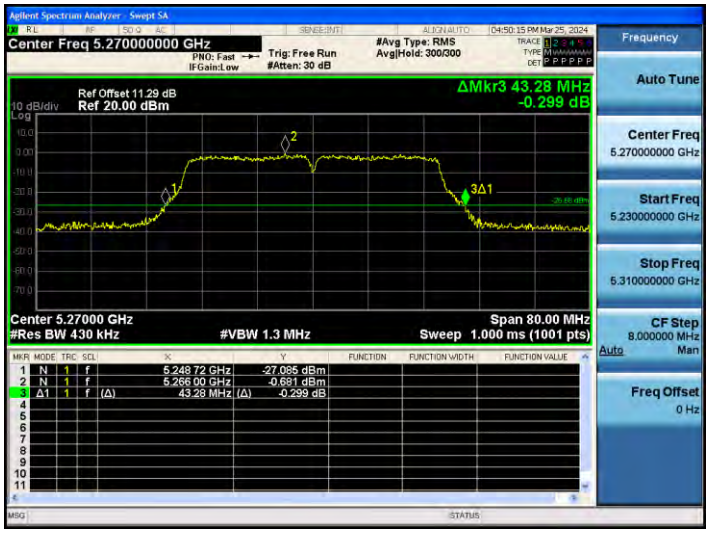
11AC40MIMO_Ant1_5230

11AC40MIMO_Ant2_5230

11AC40MIMO_Ant1_5270



11AC40MIMO_Ant2_5270

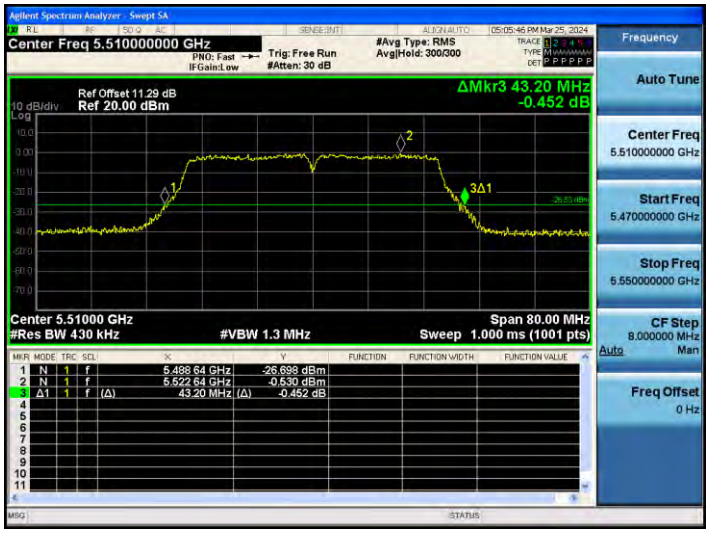


11AC40MIMO_Ant1_5310

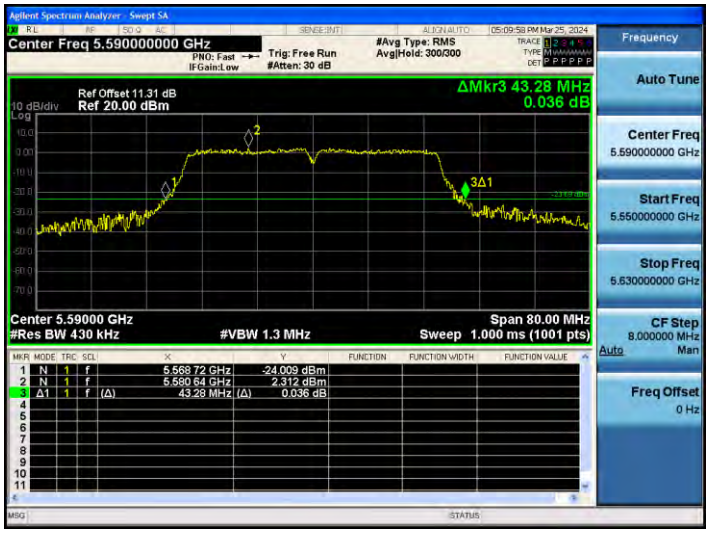
11AC40MIMO_Ant2_5310

11AC40MIMO_Ant1_5510

11AC40MIMO_Ant2_5510



11AC40MIMO_Ant1_5590

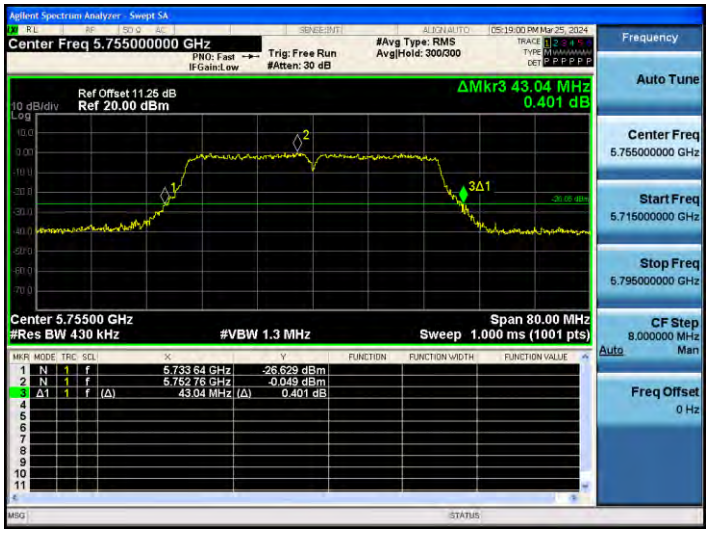


11AC40MIMO_Ant2_5590

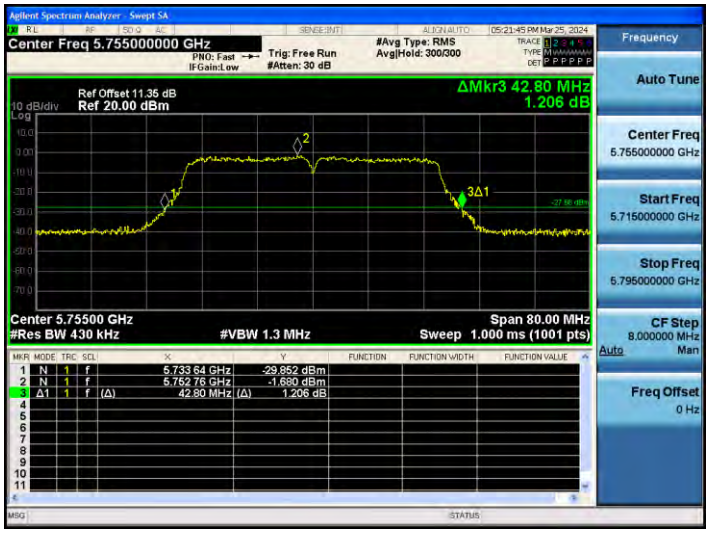
11AC40MIMO_Ant1_5670

11AC40MIMO_Ant2_5670

11AC40MIMO_Ant1_5755



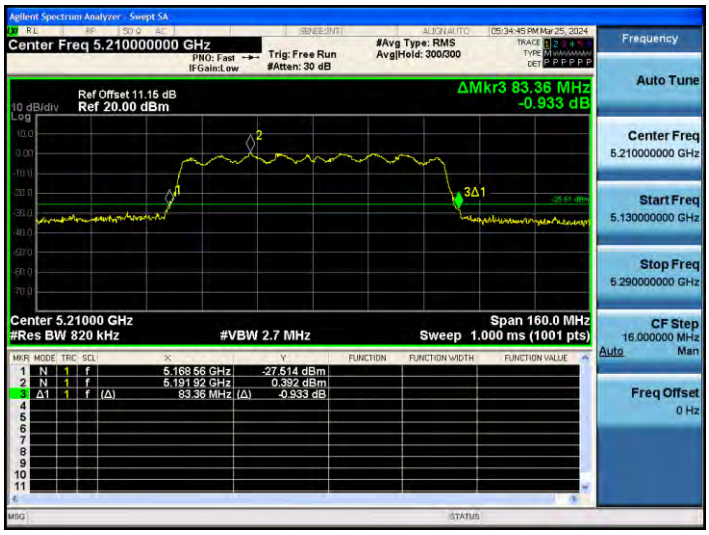
11AC40MIMO_Ant2_5755



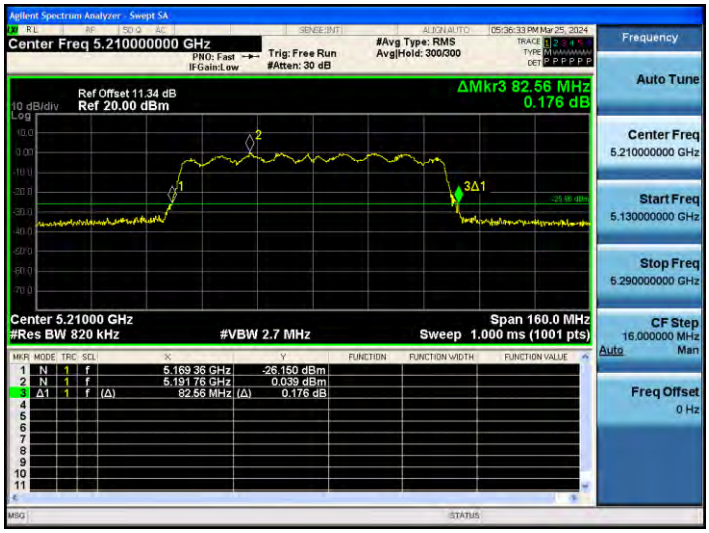
11AC40MIMO_Ant1_5795

11AC40MIMO_Ant2_5795

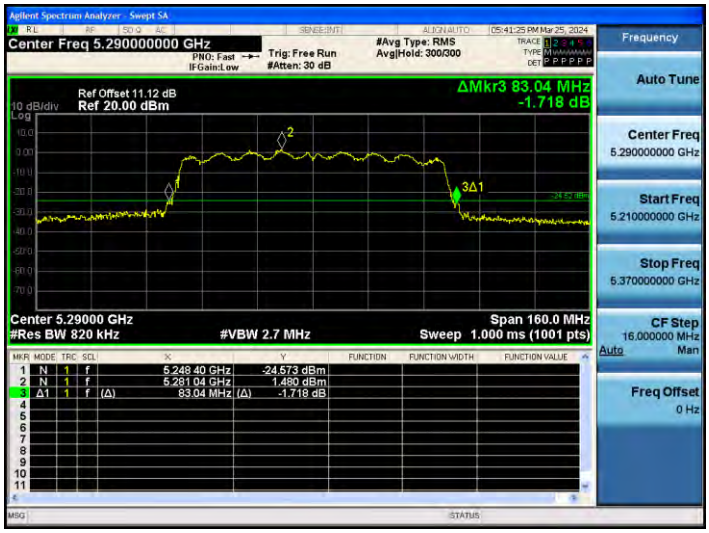
11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



11AC80MIMO_Ant1_5290



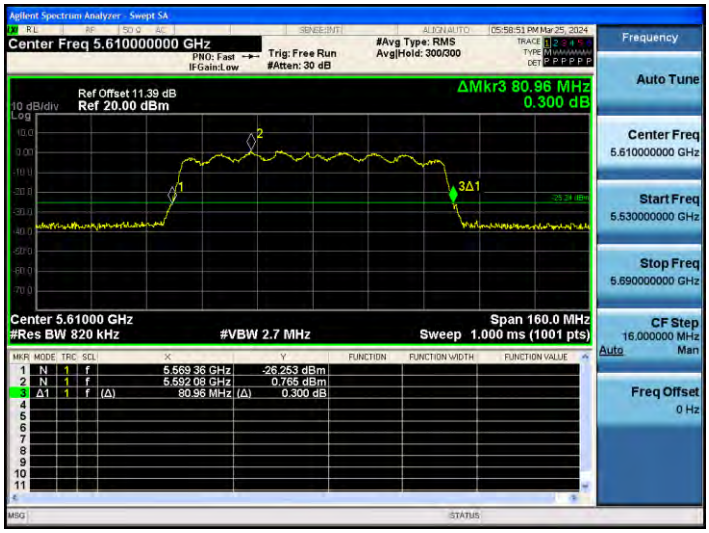
11AC80MIMO_Ant2_5290

11AC80MIMO_Ant1_5530

11AC80MIMO_Ant2_5530

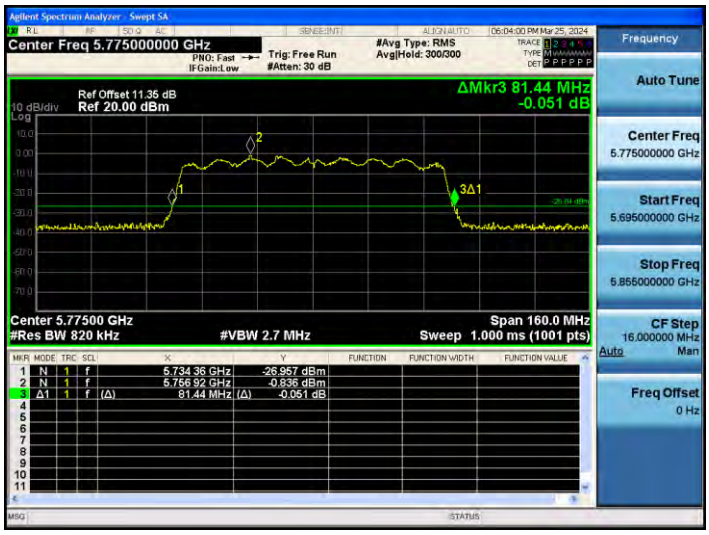
11AC80MIMO_Ant1_5610

11AC80MIMO_Ant2_5610



11AC80MIMO_Ant1_5775

11AC80MIMO_Ant2_5775


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 300/300
06:04:00 PM Mar 25, 2024
Ref Offset 11.35 dB
10 dB/div
Ref 20.00 dBm
ΔMkr3 81.44 MHz
-0.051 dB
Center 5.77500 GHz
#Res BW 820 kHz
#VBW 2.7 MHz
Span 160.0 MHz
Sweep 1.000 ms (1001 pts)
1 N 1 f 5.734 36 GHz -26.957 dBm
2 N 1 f 5.756 92 GHz -0.836 dBm
3 Δ1 1 f (Δ) 81.44 MHz (Δ) -0.051 dB
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.695000000 GHz
Stop Freq
5.855000000 GHz
CF Step
16.000000 MHz
Auto Man
Freq Offset
0 Hz

Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.824	5171.5197	5188.3437	---	---
	Ant2	5180	16.833	5171.5326	5188.3656	---	---
	Ant1	5220	16.818	5211.5908	5228.4088	---	---
	Ant2	5220	16.817	5211.6119	5228.4289	---	---
	Ant1	5240	16.855	5231.5460	5248.4010	---	---
	Ant2	5240	16.801	5231.5829	5248.3839	---	---
	Ant1	5260	16.855	5251.5280	5268.3830	---	---
	Ant2	5260	16.837	5251.5609	5268.3979	---	---
	Ant1	5300	16.897	5291.4884	5308.3854	---	---
	Ant2	5300	16.823	5291.5523	5308.3753	---	---
	Ant1	5320	16.919	5311.4940	5328.4130	---	---
	Ant2	5320	16.842	5311.5345	5328.3765	---	---
	Ant1	5500	16.866	5491.5856	5508.4516	---	---
	Ant2	5500	16.838	5491.6035	5508.4415	---	---
	Ant1	5580	16.927	5571.5421	5588.4691	---	---
	Ant2	5580	16.838	5571.5673	5588.4053	---	---
	Ant1	5700	16.812	5691.5584	5708.3704	---	---
	Ant2	5700	16.782	5691.5607	5708.3427	---	---
	Ant1	5745	16.777	5736.6075	5753.3845	---	---
	Ant2	5745	16.777	5736.6010	5753.3780	---	---
	Ant1	5785	16.841	5776.5425	5793.3835	---	---
	Ant2	5785	16.777	5776.5907	5793.3677	---	---
	Ant1	5825	16.860	5816.5747	5833.4347	---	---
	Ant2	5825	16.757	5816.5775	5833.3345	---	---
11N20MIMO	Ant1	5180	17.809	5171.0146	5188.8236	---	---
	Ant2	5180	17.708	5171.0655	5188.7735	---	---
	Ant1	5220	17.800	5211.0527	5228.8527	---	---
	Ant2	5220	17.710	5211.1161	5228.8261	---	---
	Ant1	5240	17.801	5231.0398	5248.8408	---	---
	Ant2	5240	17.705	5231.0985	5248.8035	---	---
	Ant1	5260	17.796	5251.0466	5268.8426	---	---
	Ant2	5260	17.712	5251.0967	5268.8087	---	---
	Ant1	5300	17.804	5291.0139	5308.8179	---	---
	Ant2	5300	17.711	5291.0761	5308.7871	---	---
	Ant1	5320	17.853	5311.0035	5328.8565	---	---
	Ant2	5320	17.718	5311.0574	5328.7754	---	---