

RF Test Data for RLAN(5.8G) (Conducted Measurement)

Product Name: 4K Set Top Box

Trade Mark: N/A

Test Model: Dongle R 4K-SN8BKAJ

FCC ID: 2AOVU-SN8BKAX

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

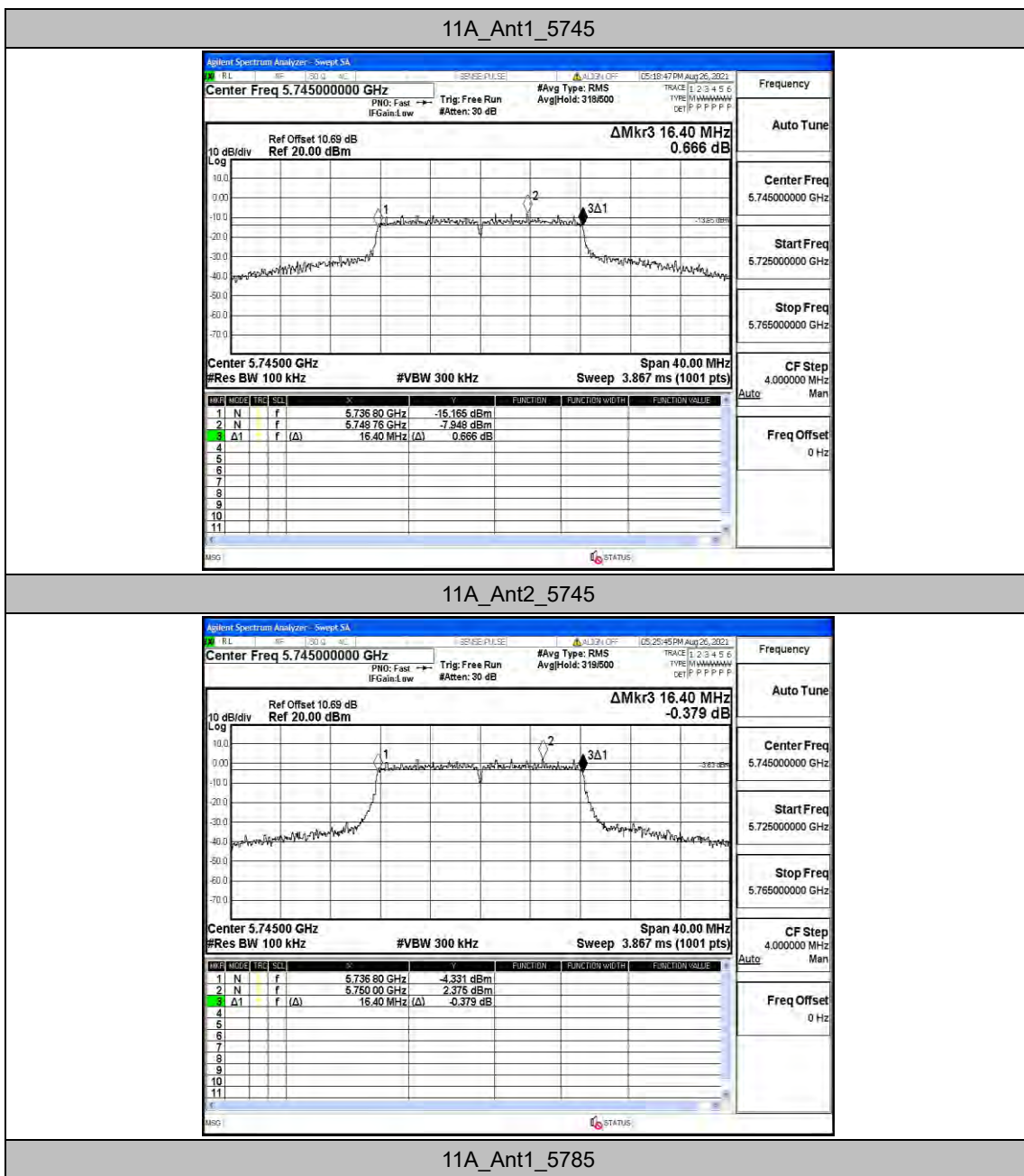
Appendix A: Min emission bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.800	5753.200	0.5	PASS
	Ant2	5745	16.400	5736.800	5753.200	0.5	PASS
	Ant1	5785	16.400	5776.800	5793.200	0.5	PASS
	Ant2	5785	16.440	5776.760	5793.200	0.5	PASS
	Ant1	5825	16.360	5816.840	5833.200	0.5	PASS
	Ant2	5825	16.400	5816.800	5833.200	0.5	PASS
11N20MIMO	Ant1	5745	17.360	5736.200	5753.560	0.5	PASS
	Ant2	5745	17.600	5736.200	5753.800	0.5	PASS
	Ant1	5785	17.600	5776.200	5793.800	0.5	PASS
	Ant2	5785	17.640	5776.160	5793.800	0.5	PASS
	Ant1	5825	17.320	5816.240	5833.560	0.5	PASS
	Ant2	5825	17.640	5816.160	5833.800	0.5	PASS
11N40MIMO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
	Ant2	5755	35.200	5737.400	5772.600	0.5	PASS
	Ant1	5795	35.200	5777.400	5812.600	0.5	PASS
	Ant2	5795	35.200	5777.400	5812.600	0.5	PASS
1AC20MIMO	Ant1	5745	16.960	5736.560	5753.520	0.5	PASS
	Ant2	5745	17.600	5736.200	5753.800	0.5	PASS
	Ant1	5785	17.640	5776.200	5793.840	0.5	PASS
	Ant2	5785	17.600	5776.200	5793.800	0.5	PASS
	Ant1	5825	17.440	5816.200	5833.640	0.5	PASS
	Ant2	5825	17.360	5816.200	5833.560	0.5	PASS
11AC40MIMO	Ant1	5755	35.280	5737.320	5772.600	0.5	PASS
	Ant2	5755	35.200	5737.400	5772.600	0.5	PASS

	Ant1	5795	35.120	5777.480	5812.600	0.5	PASS
	Ant2	5795	35.280	5777.320	5812.600	0.5	PASS
11AC80MIMO	Ant1	5775	72.800	5737.400	5810.200	0.5	PASS
	Ant2	5775	74.080	5738.520	5812.600	0.5	PASS

Test Graphs


11A_Ant2_5745

Center Freq 5.74500000 GHz

#Res BW 100 kHz #VBW 300 kHz

Span 40.00 MHz

Sweep 3.867 ms (1001 pts)

Frequency

Auto Tune

Center Freq 5.74500000 GHz

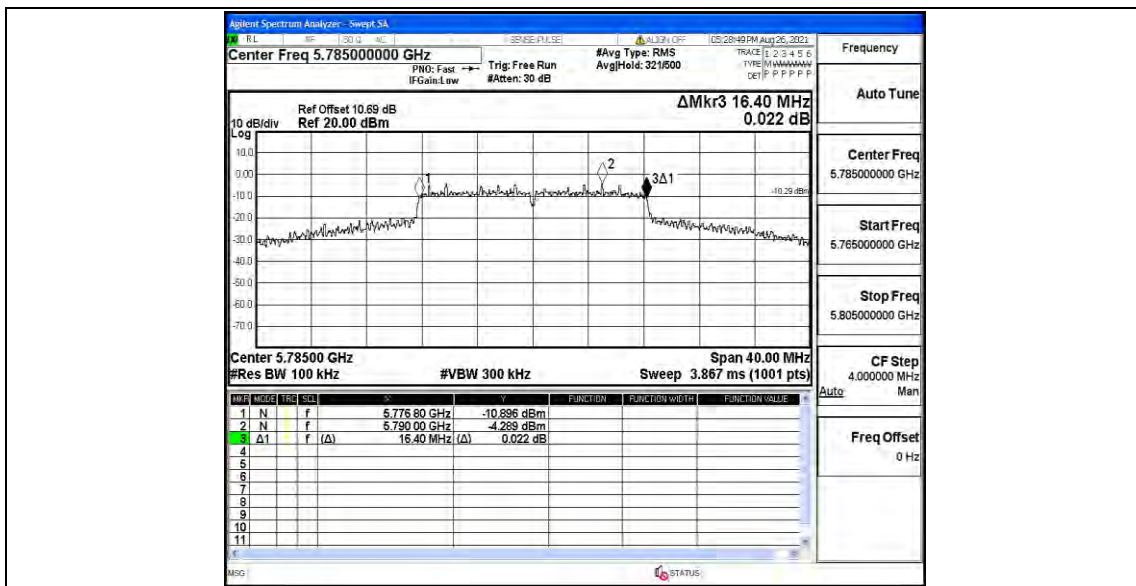
Start Freq 5.725000000 GHz

Stop Freq 5.765000000 GHz

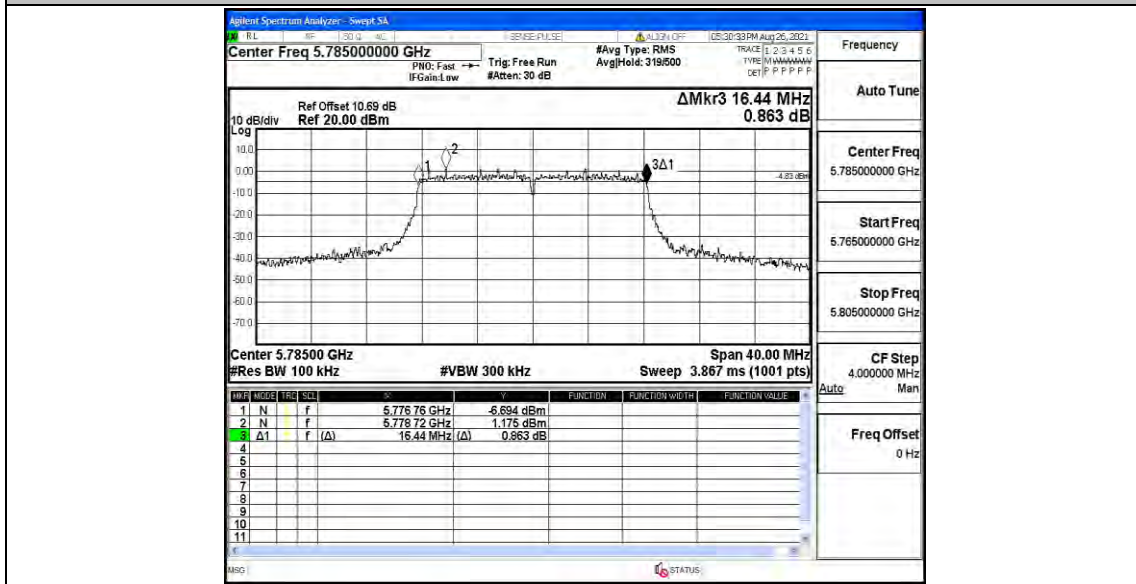
CF Step 4.000000 MHz

Freq Offset 0 Hz

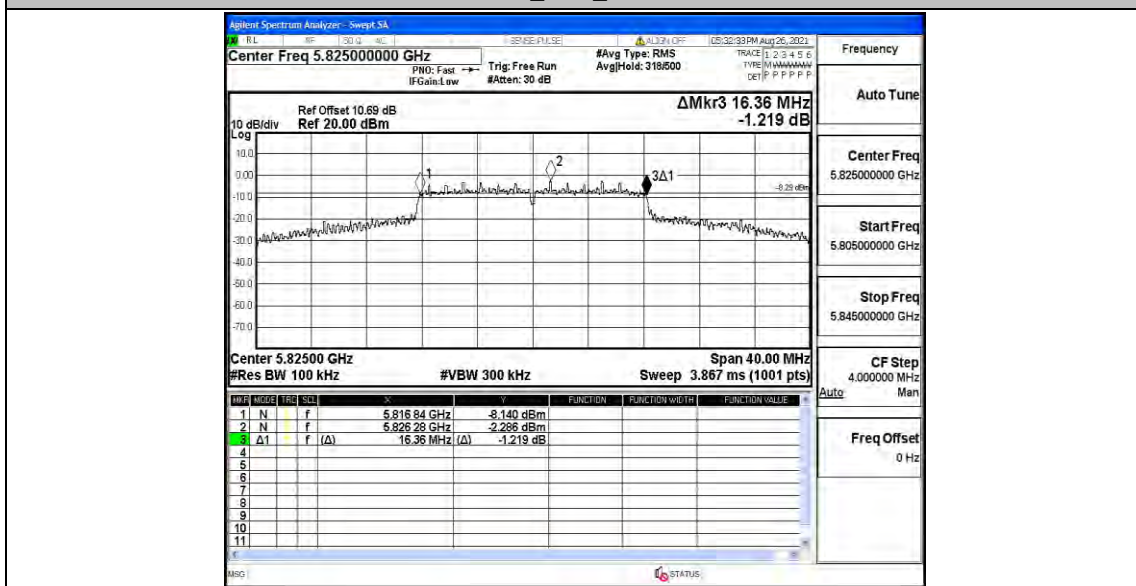
11A_Ant1_5785



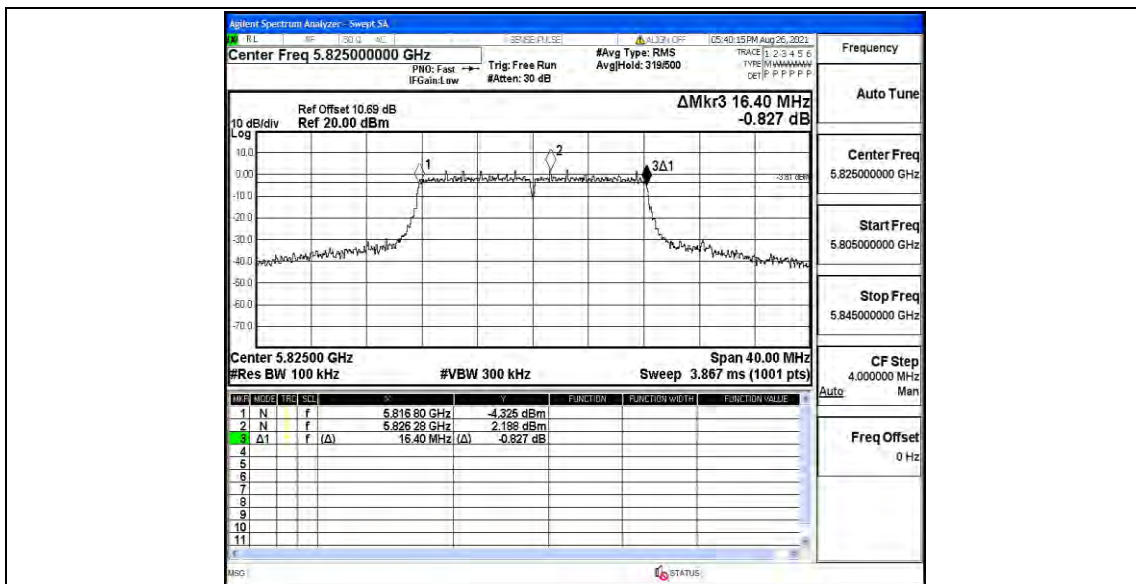
11A_Ant2_5785



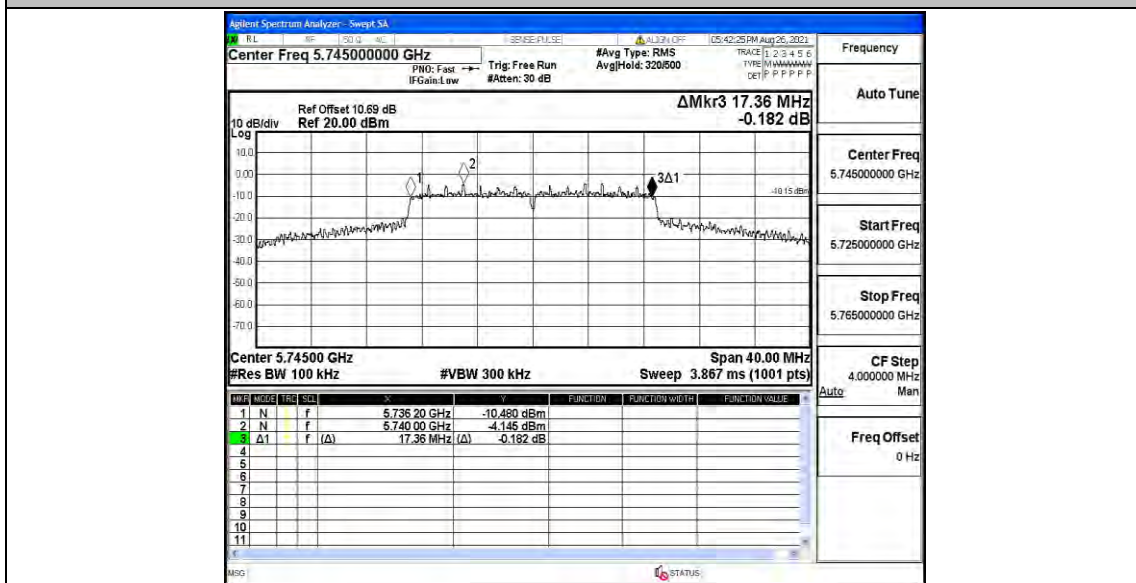
11A_Ant1_5825



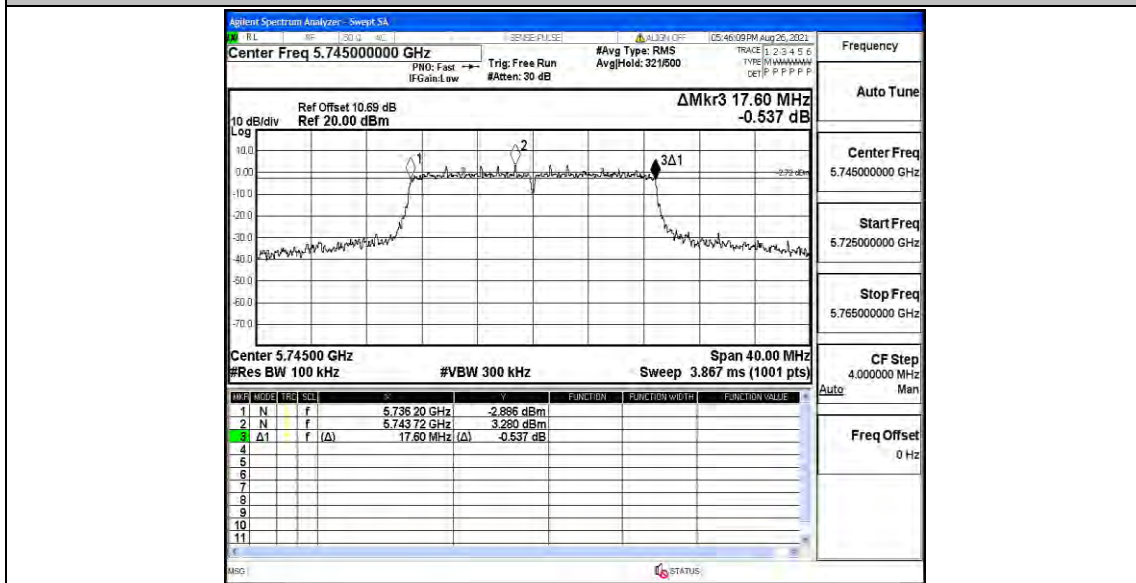
11A_Ant2_5825



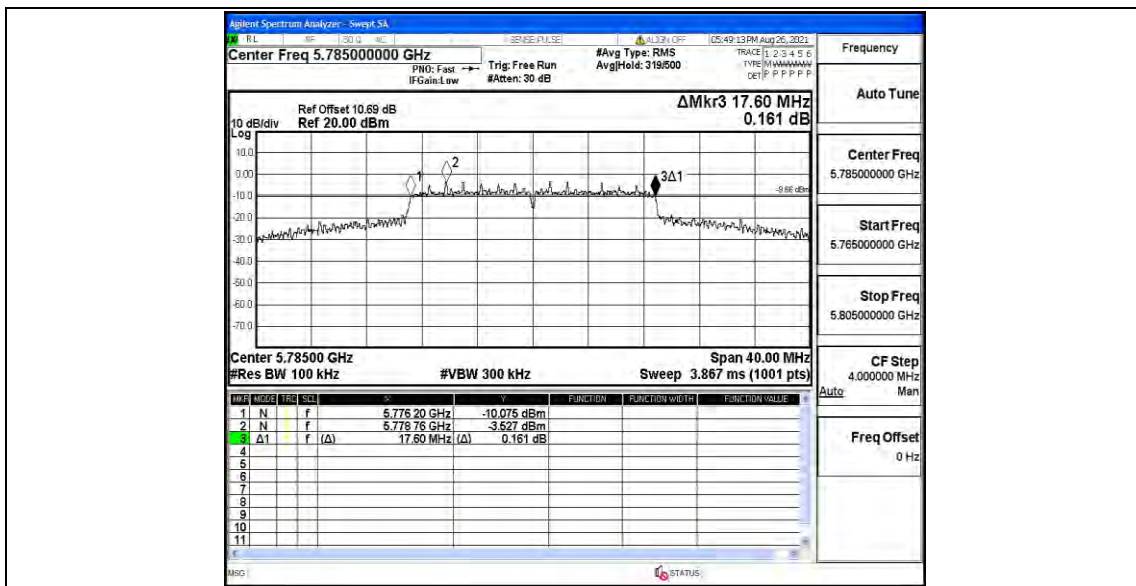
11N20MIMO_Ant1_5745



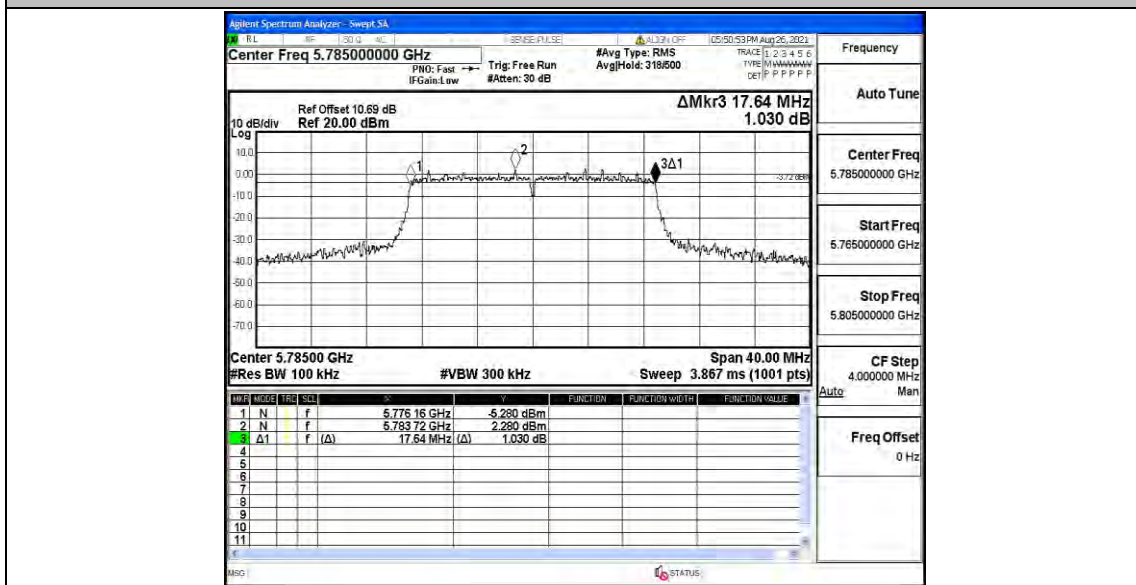
11N20MIMO_Ant2_5745



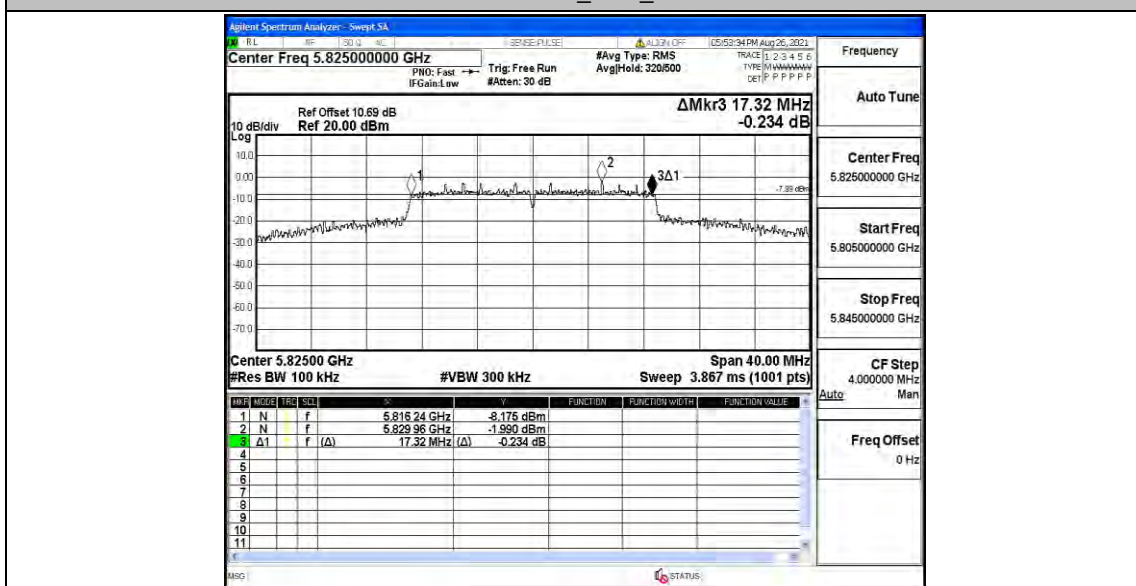
11N20MIMO_Ant1_5785



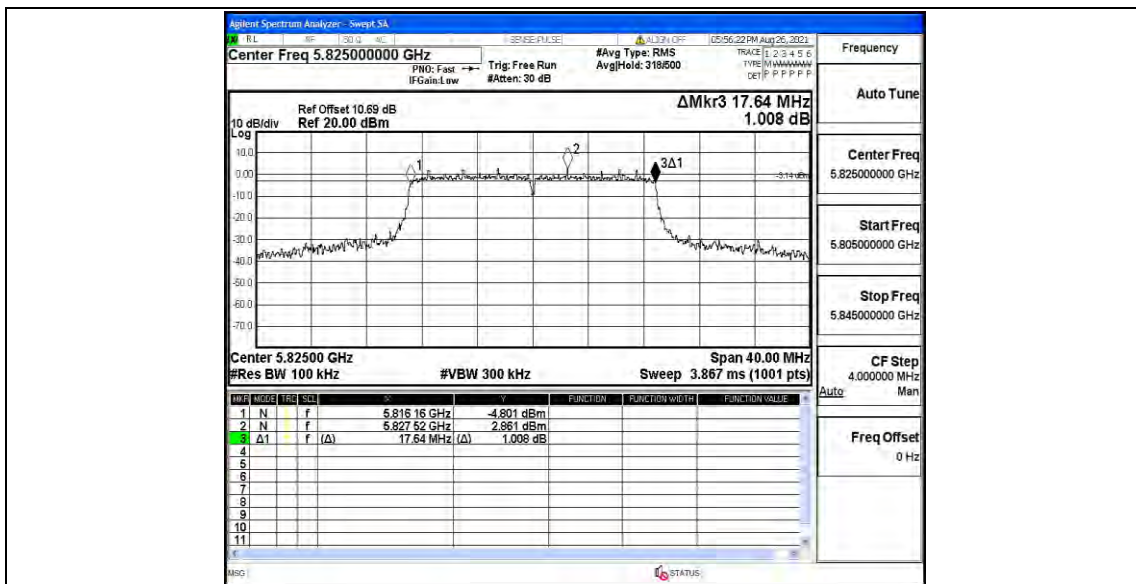
11N20MIMO_Ant2_5785



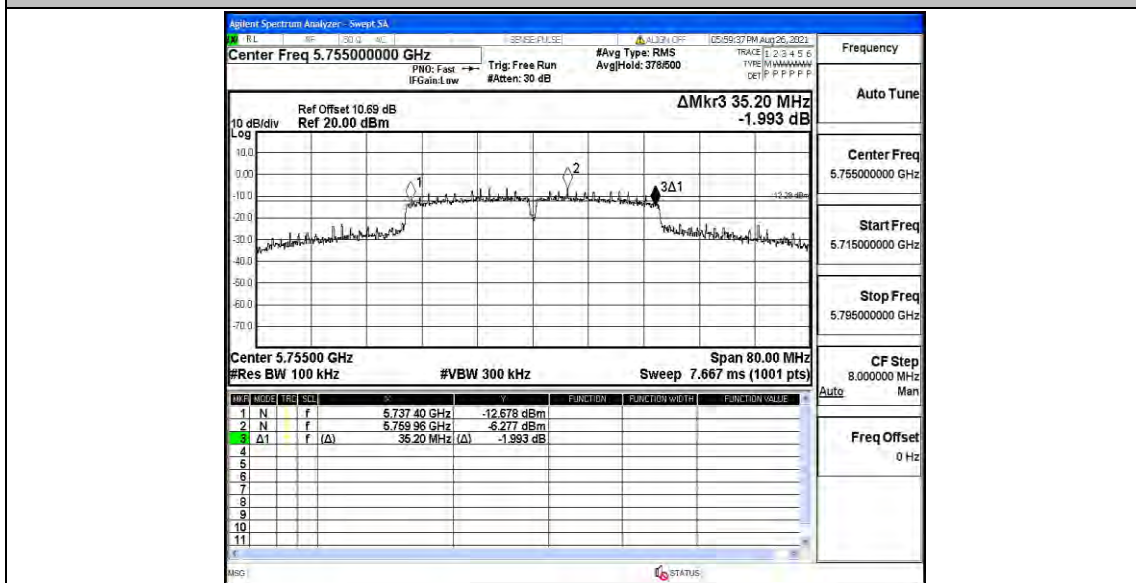
11N20MIMO_Ant1_5825



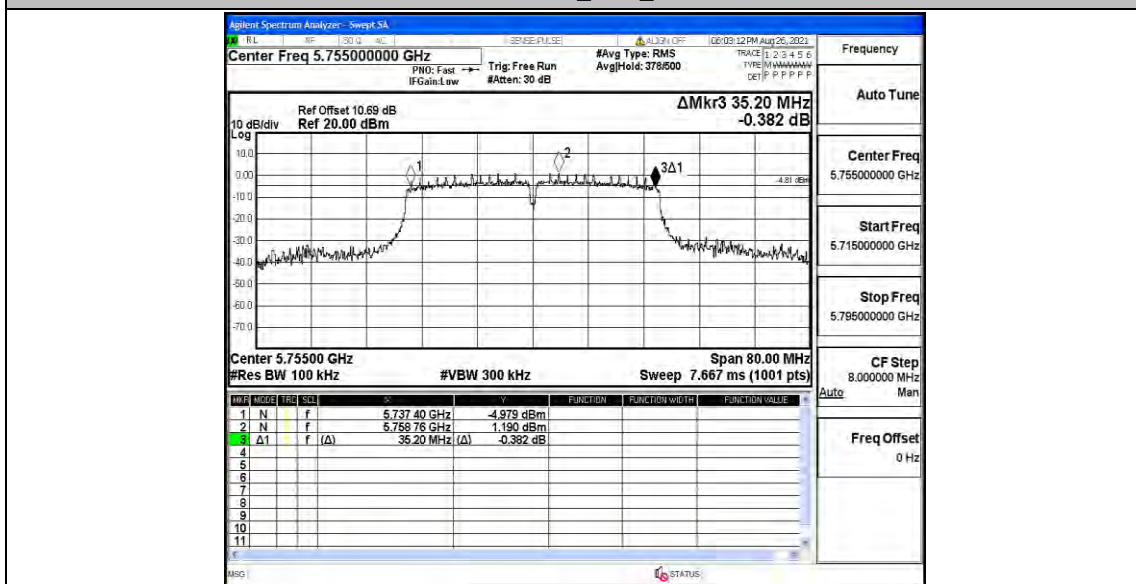
11N20MIMO_Ant2_5825



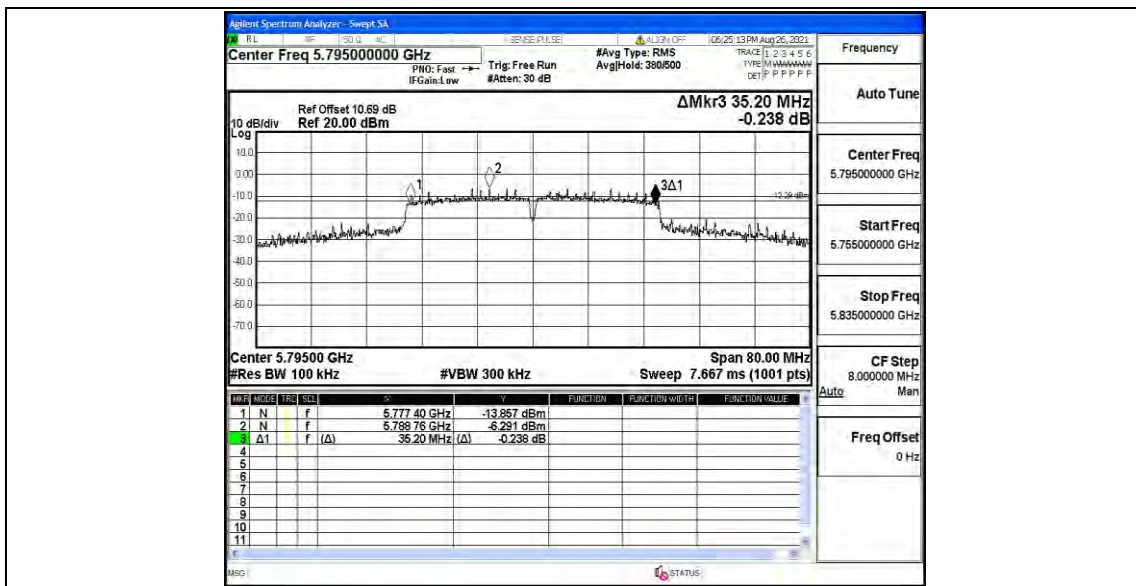
11N40MIMO_Ant1_5755



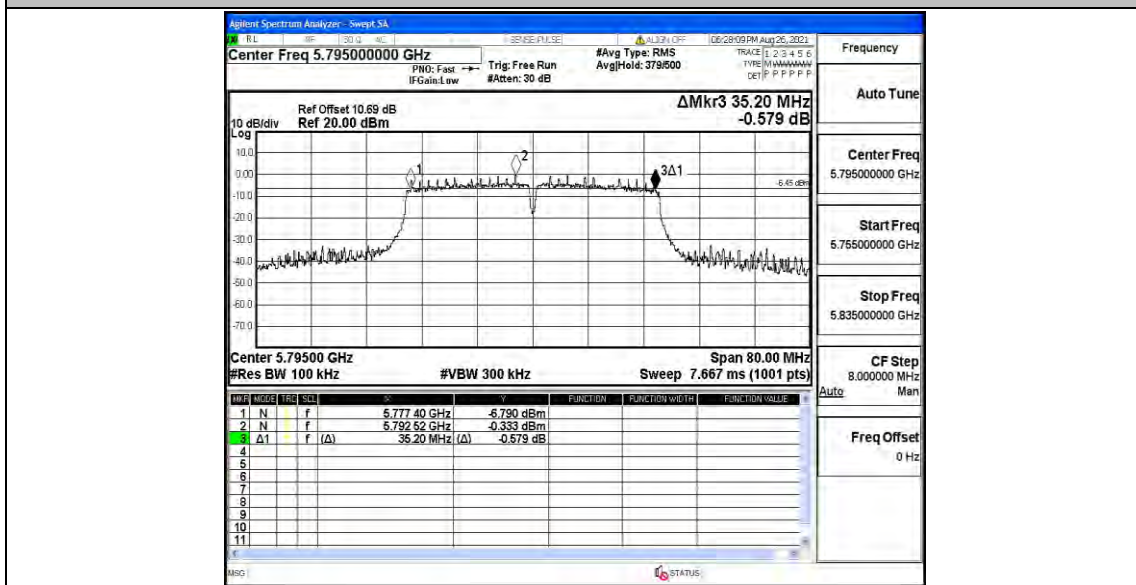
11N40MIMO_Ant2_5755



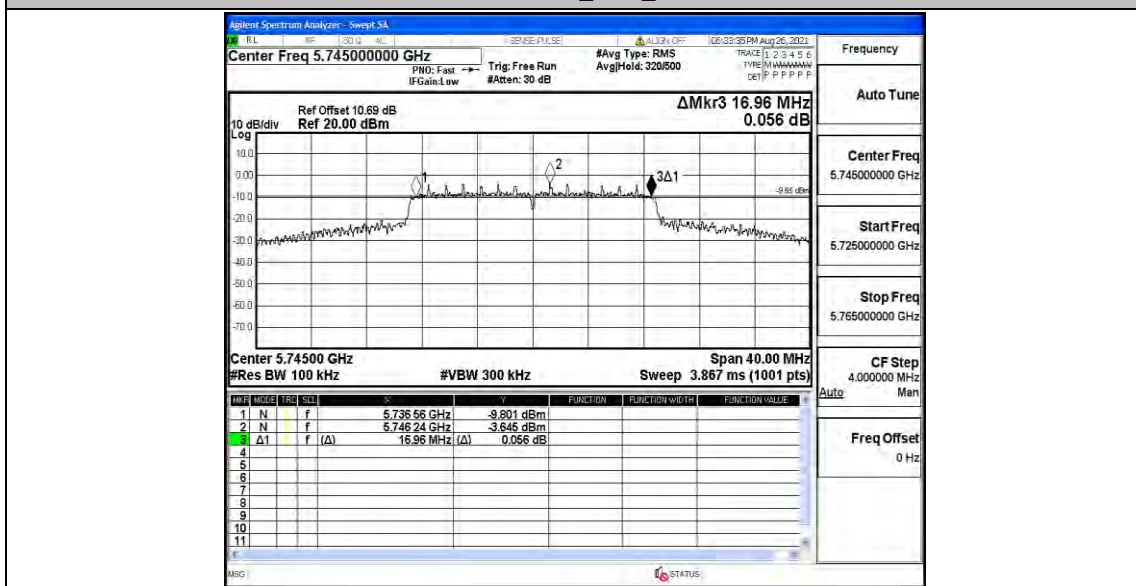
11N40MIMO_Ant1_5795



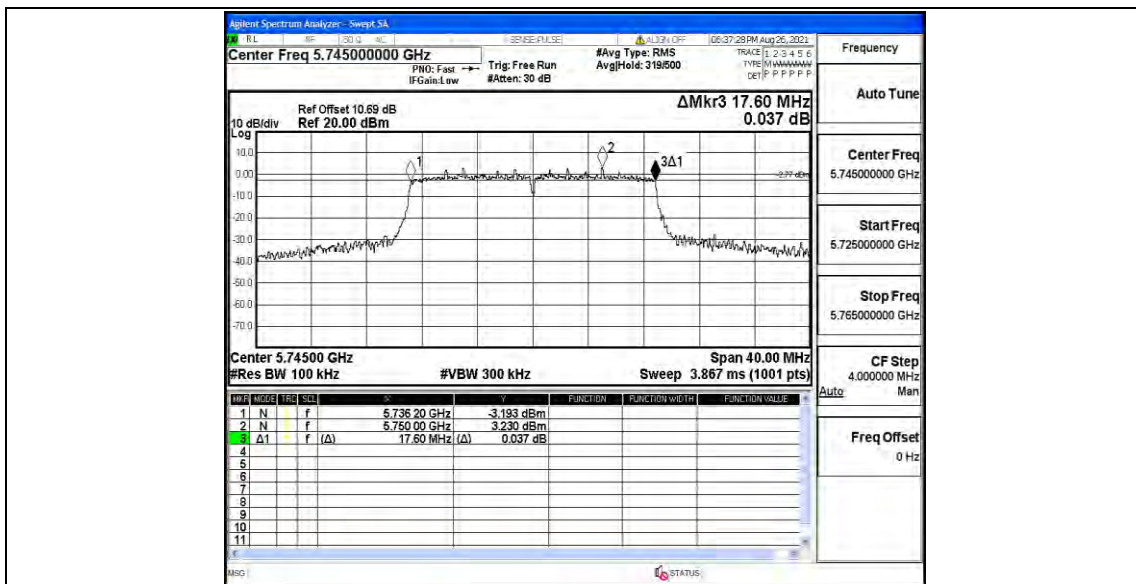
11N40MIMO_Ant2_5795



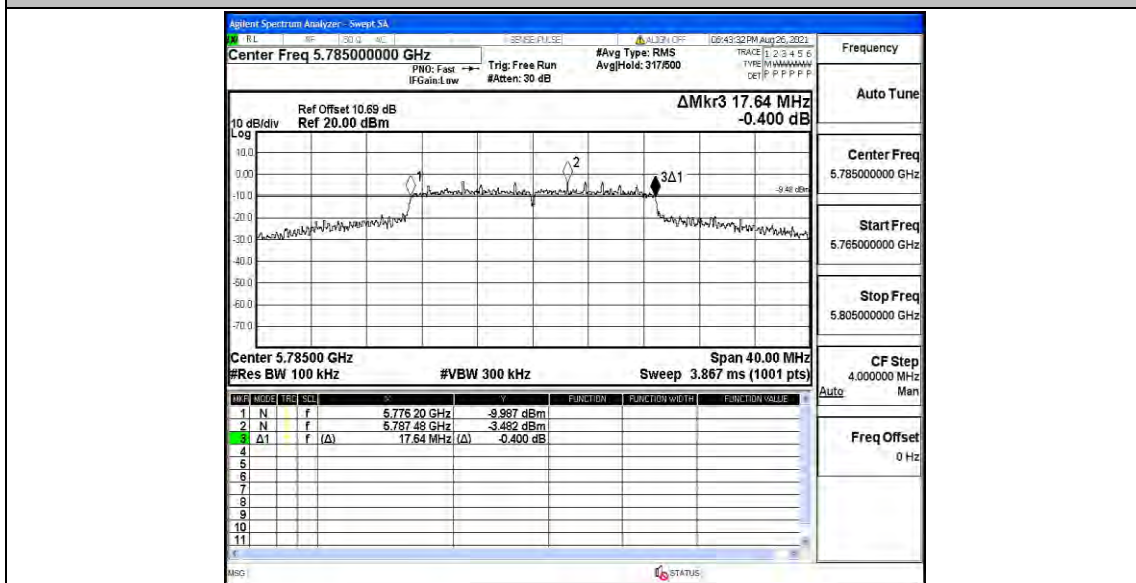
1AC20MIMO_Ant1_5745



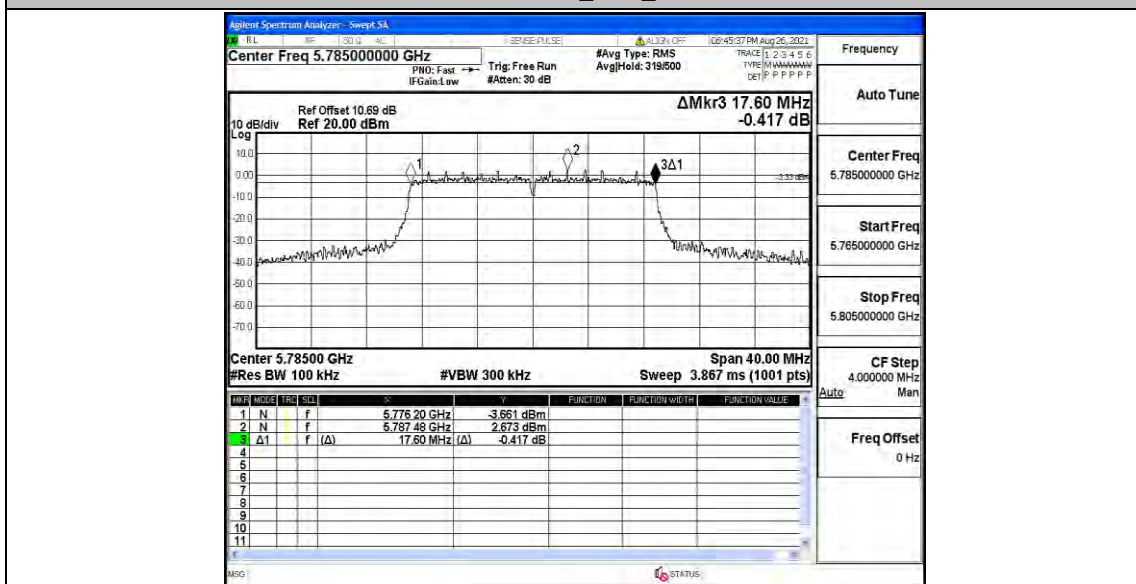
1AC20MIMO_Ant2_5745



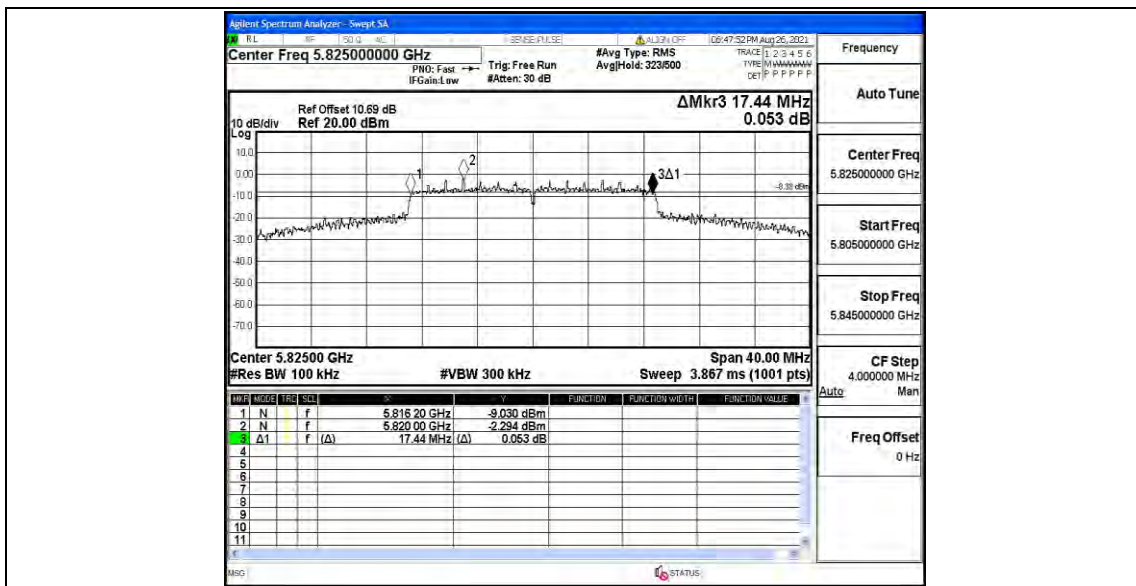
1AC20MIMO_Ant1_5785



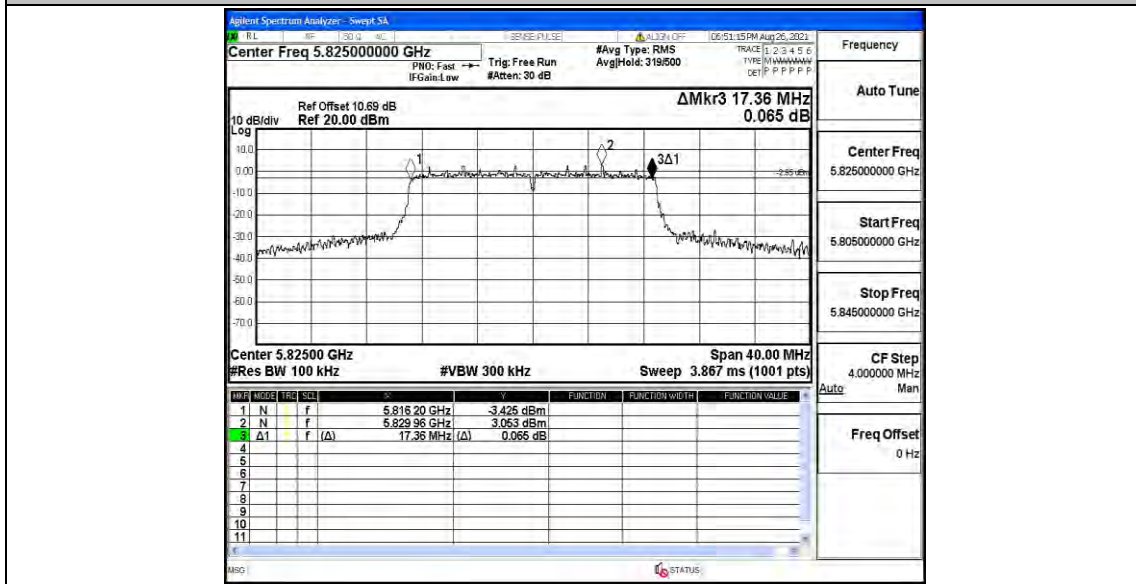
1AC20MIMO_Ant2_5785



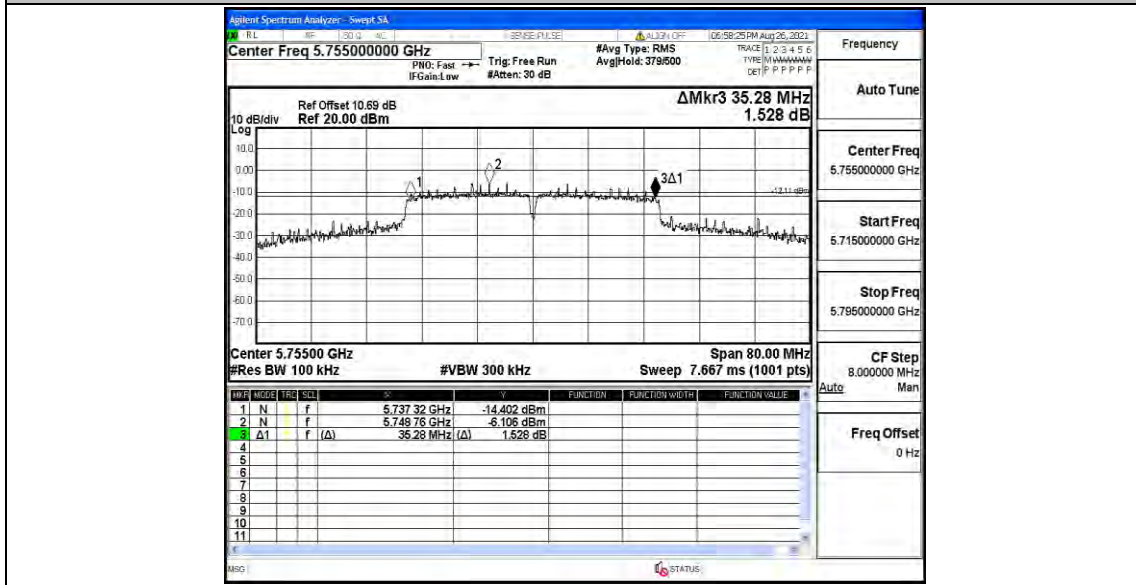
1AC20MIMO_Ant1_5825



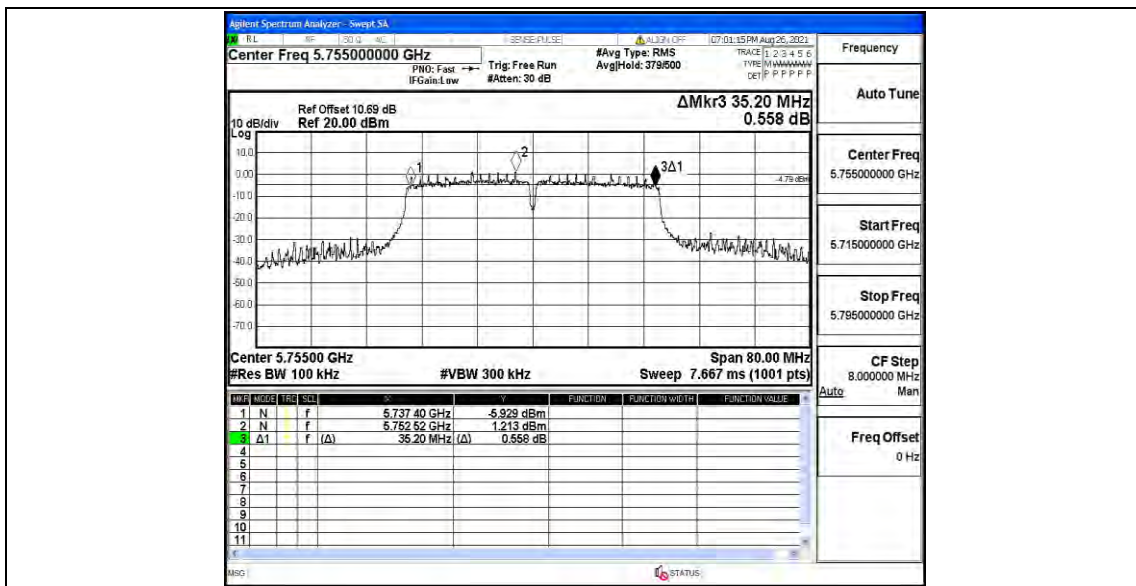
1AC20MIMO_Ant2_5825



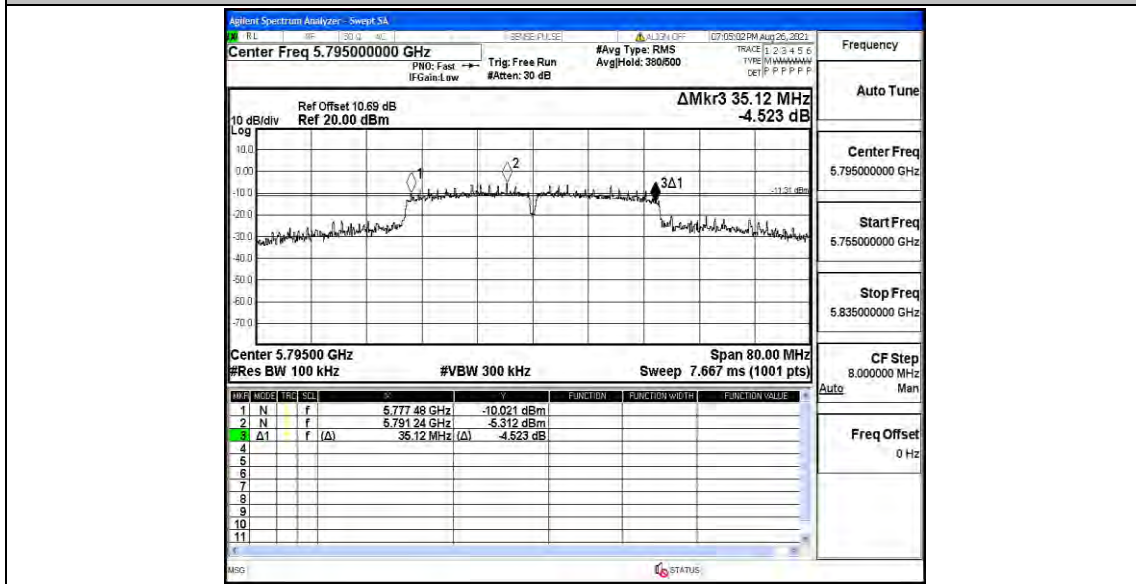
11AC40MIMO_Ant1_5755



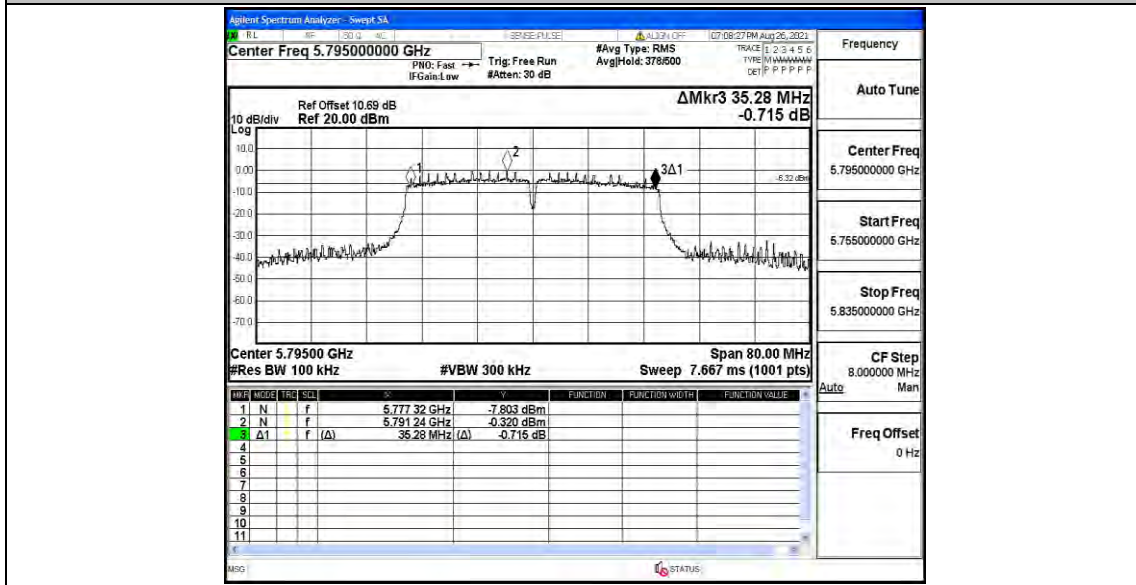
11AC40MIMO_Ant2_5755



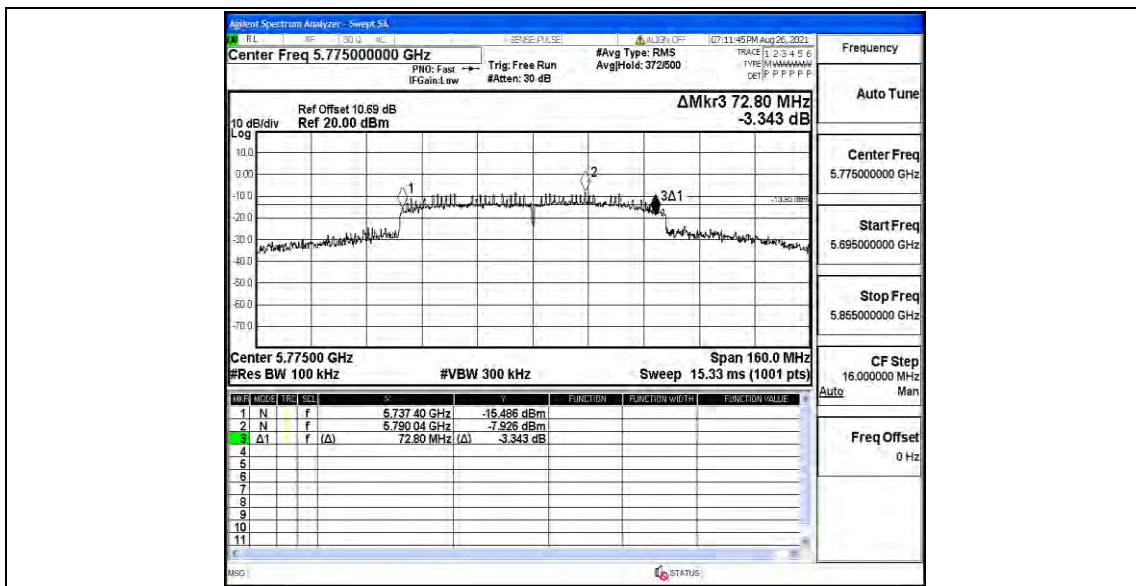
11AC40MIMO_Ant1_5795



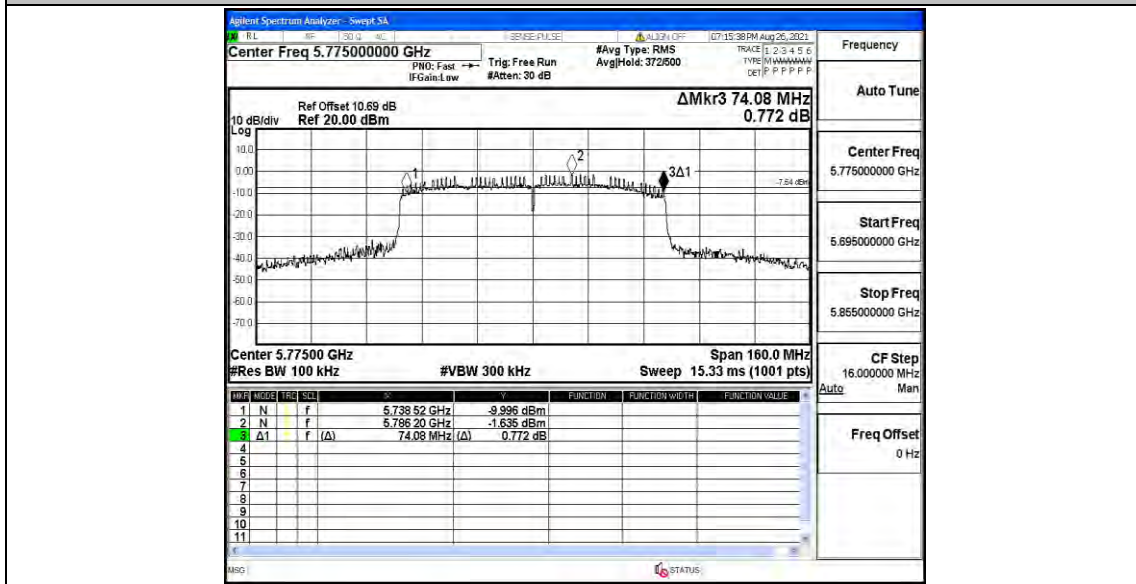
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	5.82	≤30	PASS
	Ant2	5745	13.49	≤30	PASS
	Ant1	5785	6.85	≤30	PASS
	Ant2	5785	12.54	≤30	PASS
	Ant1	5825	8.20	≤30	PASS
	Ant2	5825	13.10	≤30	PASS
11N20MIMO	Ant1	5745	6.86	≤30	PASS
	Ant2	5745	14.45	≤30	PASS
	total	5745	15.1	≤29.54	PASS
	Ant1	5785	7.32	≤30	PASS
	Ant2	5785	13.58	≤30	PASS
	total	5785	14.5	≤29.54	PASS
	Ant1	5825	8.31	≤30	PASS
	Ant2	5825	14.14	≤30	PASS
	total	5825	15.1	≤29.54	PASS
11N40MIMO	Ant1	5755	6.78	≤30	PASS
	Ant2	5755	14.58	≤30	PASS
	total	5755	15.2	≤29.54	PASS
	Ant1	5795	7.23	≤30	PASS
	Ant2	5795	13.06	≤30	PASS
	total	5795	14.1	≤29.54	PASS
1AC20MIMO	Ant1	5745	6.37	≤30	PASS
	Ant2	5745	14.57	≤30	PASS
	total	5745	15.2	≤29.54	PASS
	Ant1	5785	8.27	≤30	PASS
	Ant2	5785	13.84	≤30	PASS
	total	5785	14.9	≤29.54	PASS
	Ant1	5825	8.36	≤30	PASS
	Ant2	5825	14.93	≤30	PASS
	total	5825	15.8	≤29.54	PASS
11AC40MIMO	Ant1	5755	6.82	≤30	PASS
	Ant2	5755	14.78	≤30	PASS
	total	5755	15.4	≤29.54	PASS
	Ant1	5795	7.52	≤30	PASS
	Ant2	5795	13.12	≤30	PASS
	total	5795	14.2	≤29.54	PASS
11AC80MIMO	Ant1	5775	7.65	≤30	PASS
	Ant2	5775	14.34	≤30	PASS
	total	5775	15.2	≤29.54	PASS

Note: The Duty Cycle Factor and RBW Factor is compensated in the result

Appendix C: Maximum power spectral density

Test Result

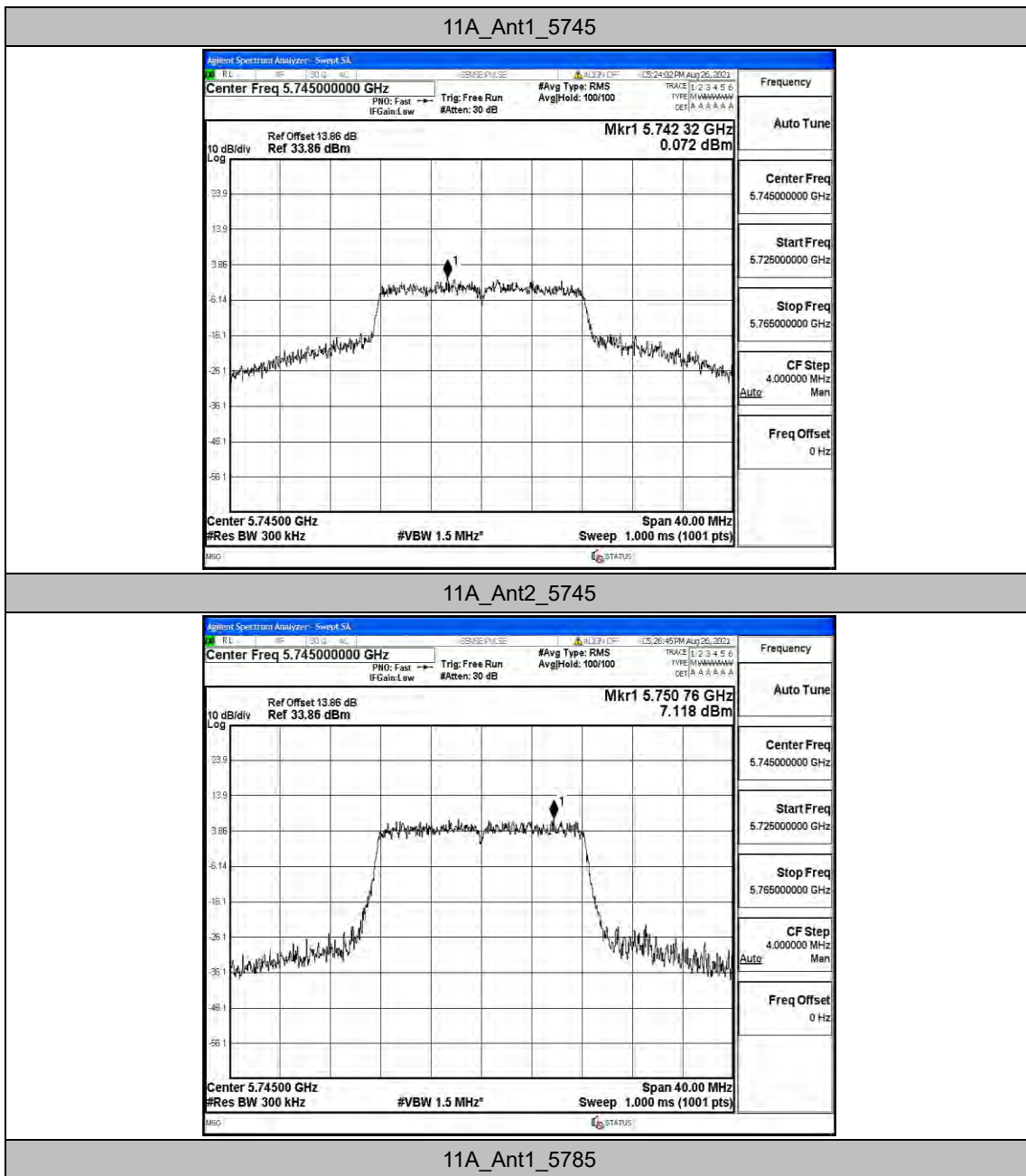
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	0.07	≤30	PASS
	Ant2	5745	7.12	≤30	PASS
	Ant1	5785	0.09	≤30	PASS
	Ant2	5785	6.43	≤30	PASS
	Ant1	5825	2.44	≤30	PASS
	Ant2	5825	7.34	≤30	PASS
11N20MIMO	Ant1	5745	0.47	≤30	PASS
	Ant2	5745	7.78	≤30	PASS
	total	5745	8.52	≤29.54	PASS
	Ant1	5785	0.79	≤30	PASS
	Ant2	5785	7.69	≤30	PASS
	total	5785	8.50	≤29.54	PASS
	Ant1	5825	2.28	≤30	PASS
	Ant2	5825	7.11	≤30	PASS
	total	5825	8.34	≤29.54	PASS
11N40MIMO	Ant1	5755	-1.42	≤30	PASS
	Ant2	5755	6.11	≤30	PASS
	total	5755	6.82	≤29.54	PASS
	Ant1	5795	-1.92	≤30	PASS
	Ant2	5795	4.73	≤30	PASS
	total	5795	5.58	≤29.54	PASS
1AC20MIMO	Ant1	5745	1.05	≤30	PASS
	Ant2	5745	7.96	≤30	PASS
	total	5745	8.77	≤29.54	PASS
	Ant1	5785	2.3	≤30	PASS
	Ant2	5785	7.96	≤30	PASS
	total	5785	9.00	≤29.54	PASS
	Ant1	5825	2.52	≤30	PASS
	Ant2	5825	9.1	≤30	PASS
	total	5825	9.96	≤29.54	PASS
11AC40MIMO	Ant1	5755	-1.47	≤30	PASS
	Ant2	5755	6.01	≤30	PASS
	total	5755	6.72	≤29.54	PASS
	Ant1	5795	-1	≤30	PASS
	Ant2	5795	4.55	≤30	PASS
	total	5795	5.62	≤29.54	PASS
11AC80MIMO	Ant1	5775	-3.26	≤30	PASS
	Ant2	5775	3.74	≤30	PASS

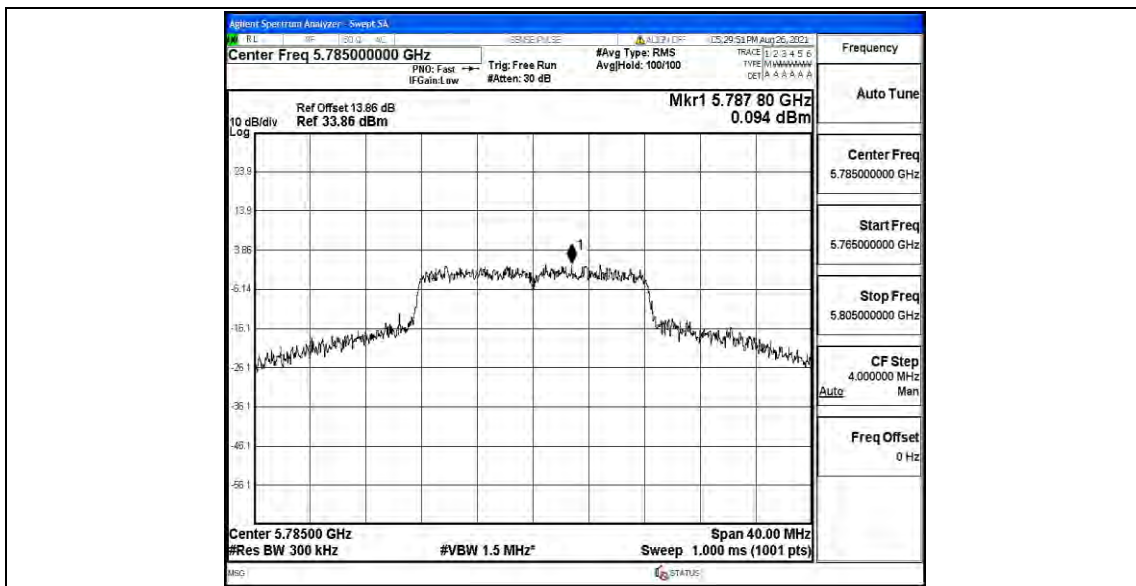
	total	5775	4.53	≤29.54	PASS
--	-------	------	------	--------	------

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

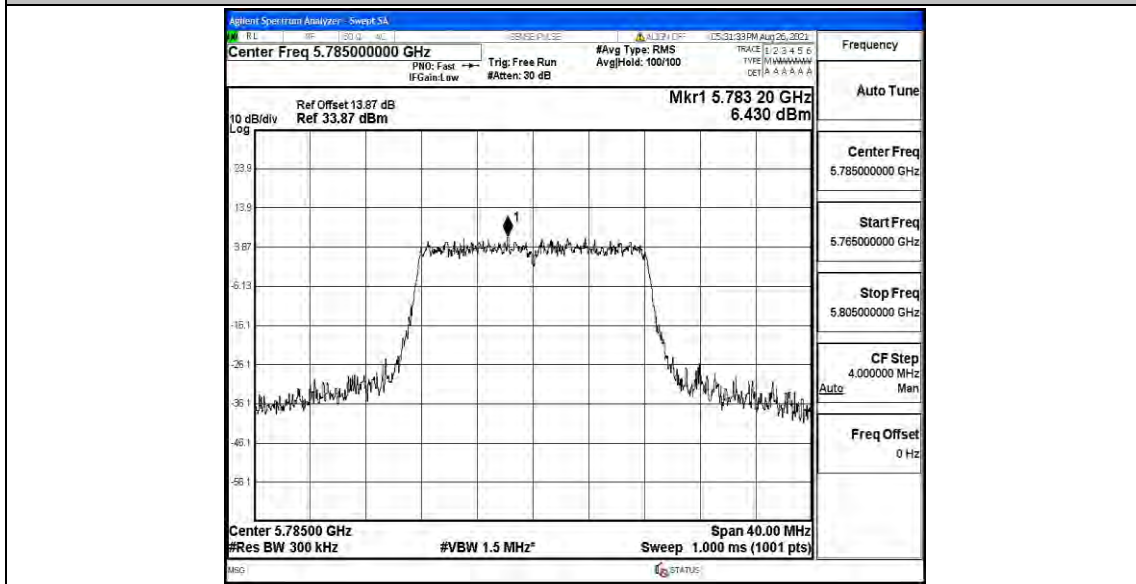
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

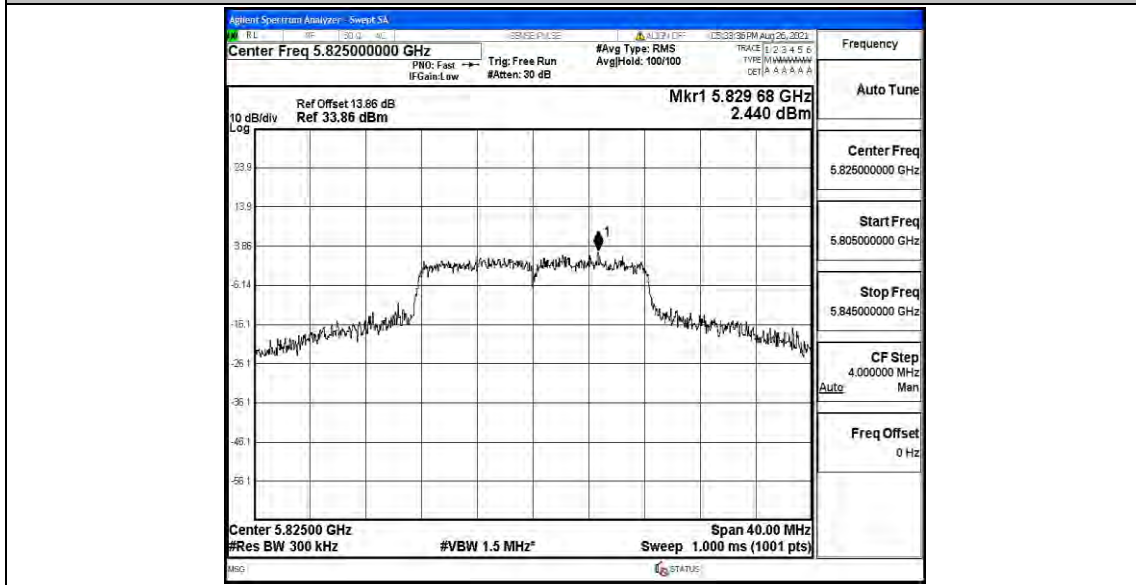




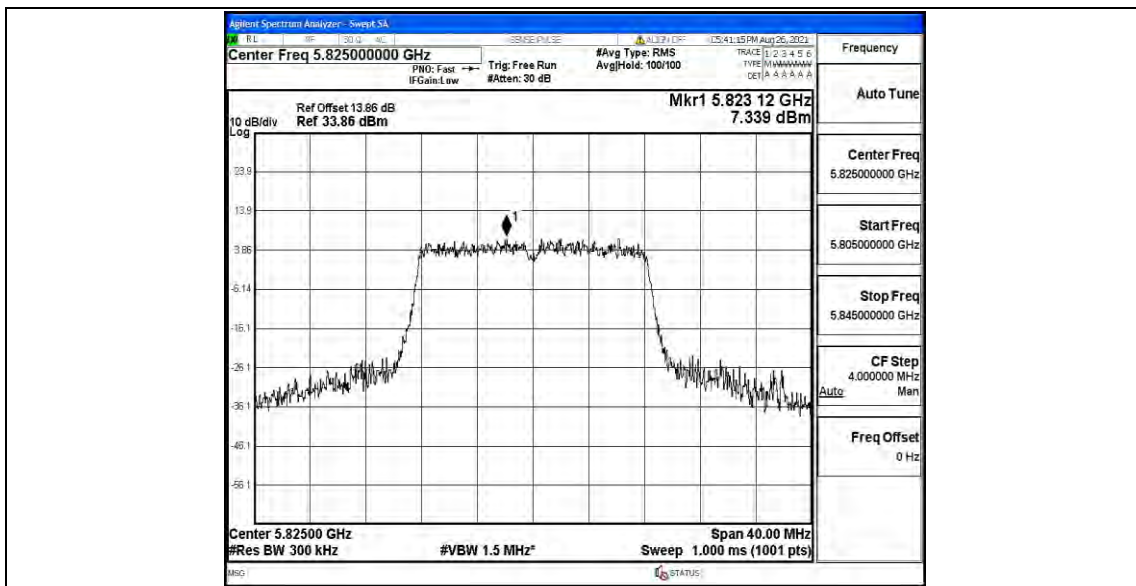
11A_Ant2_5785



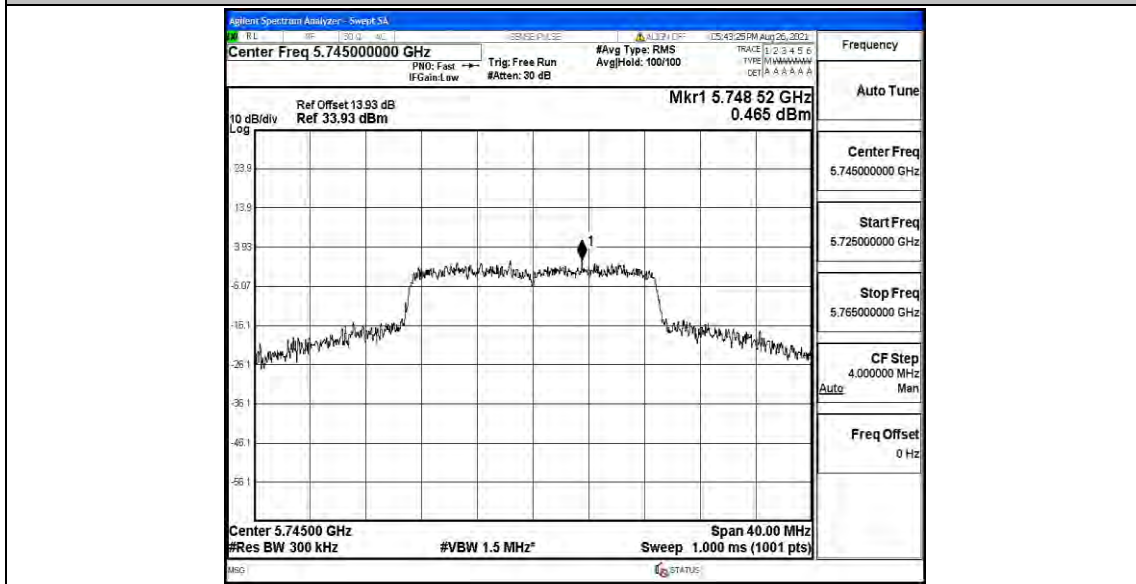
11A_Ant1_5825



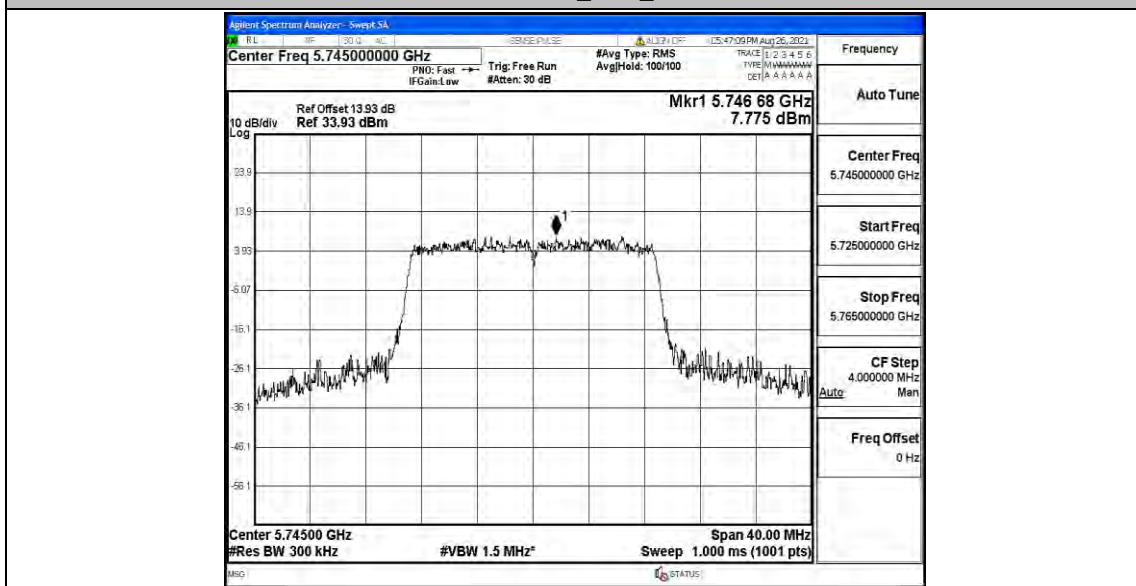
11A_Ant2_5825



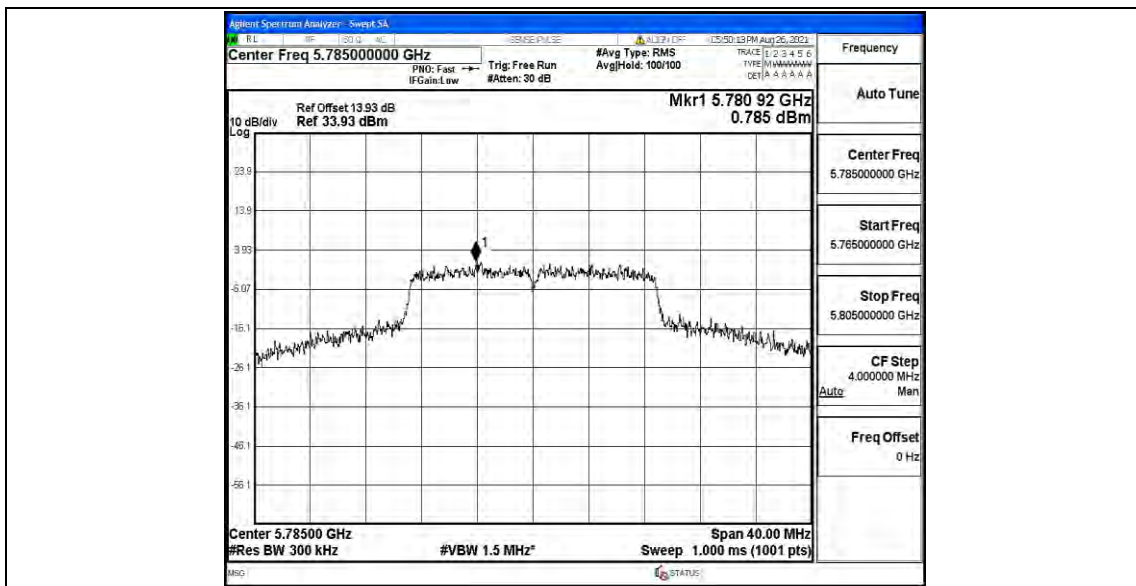
11N20MIMO_Ant1_5745



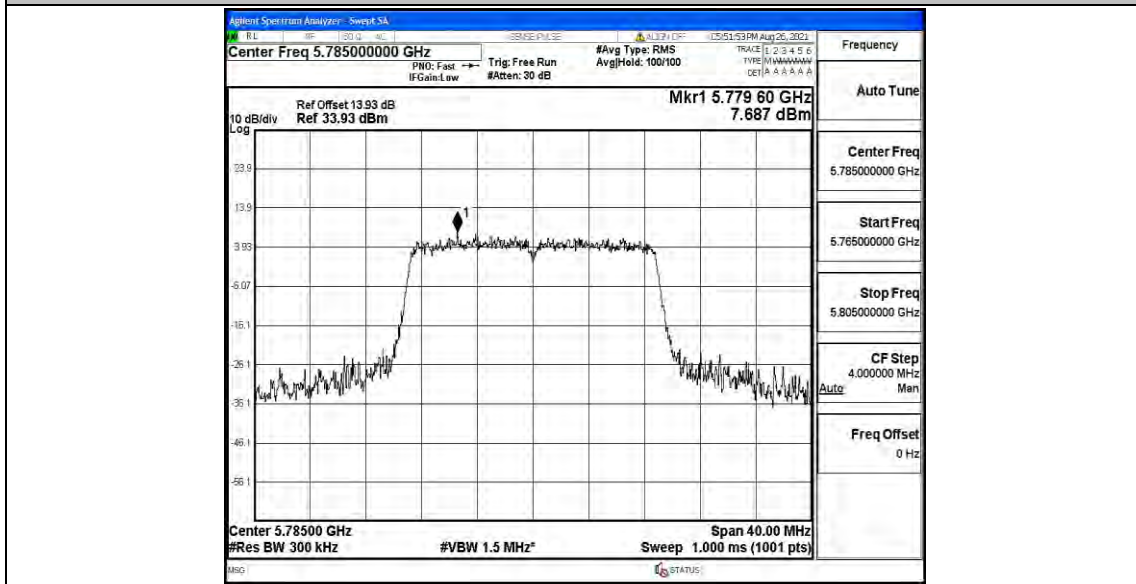
11N20MIMO_Ant2_5745



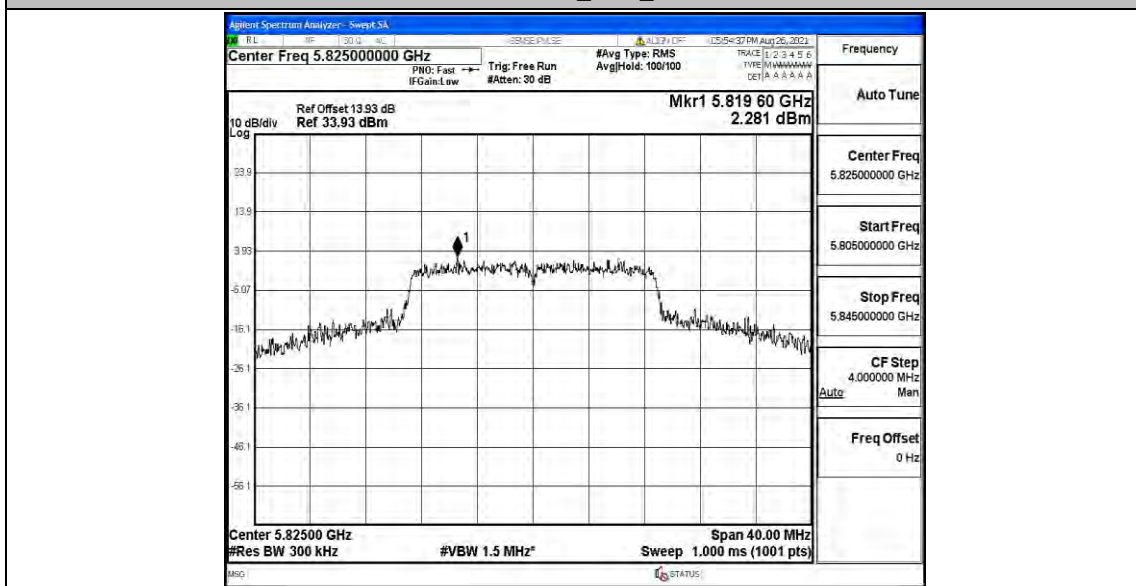
11N20MIMO_Ant1_5785



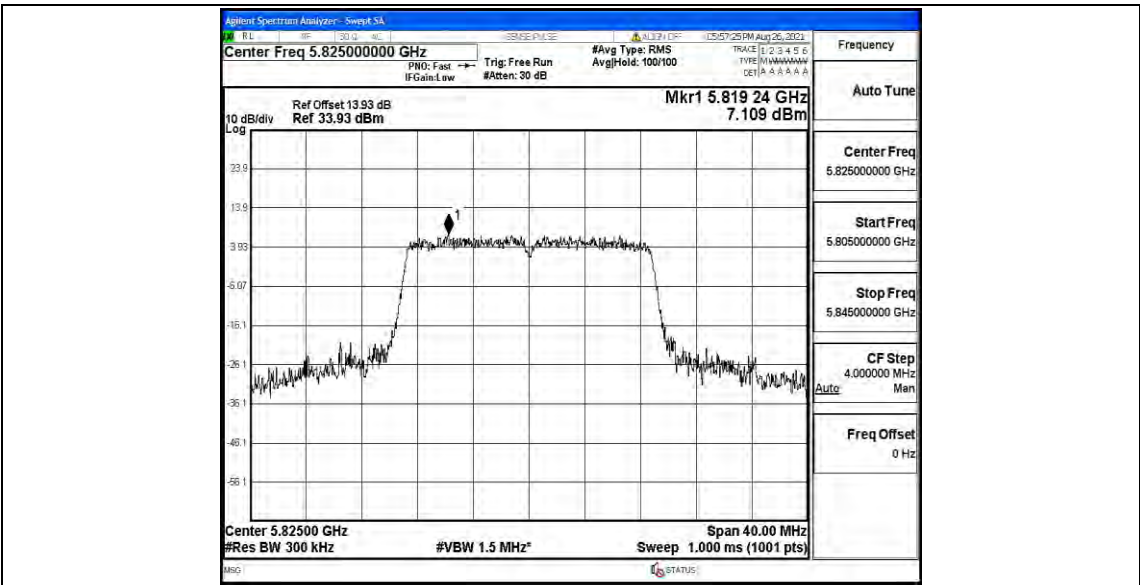
11N20MIMO_Ant2_5785



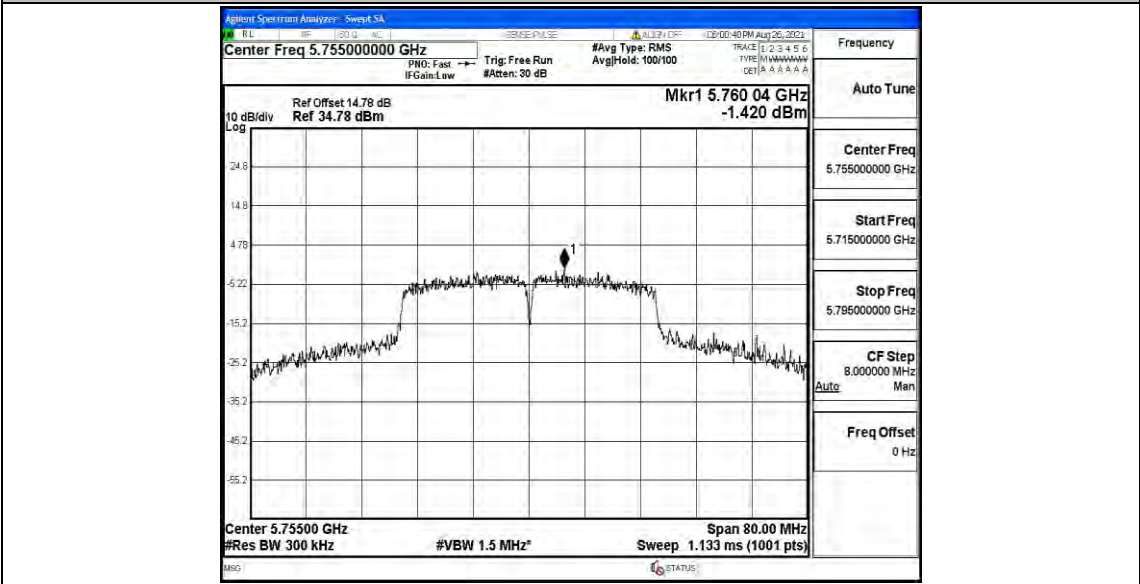
11N20MIMO_Ant1_5825



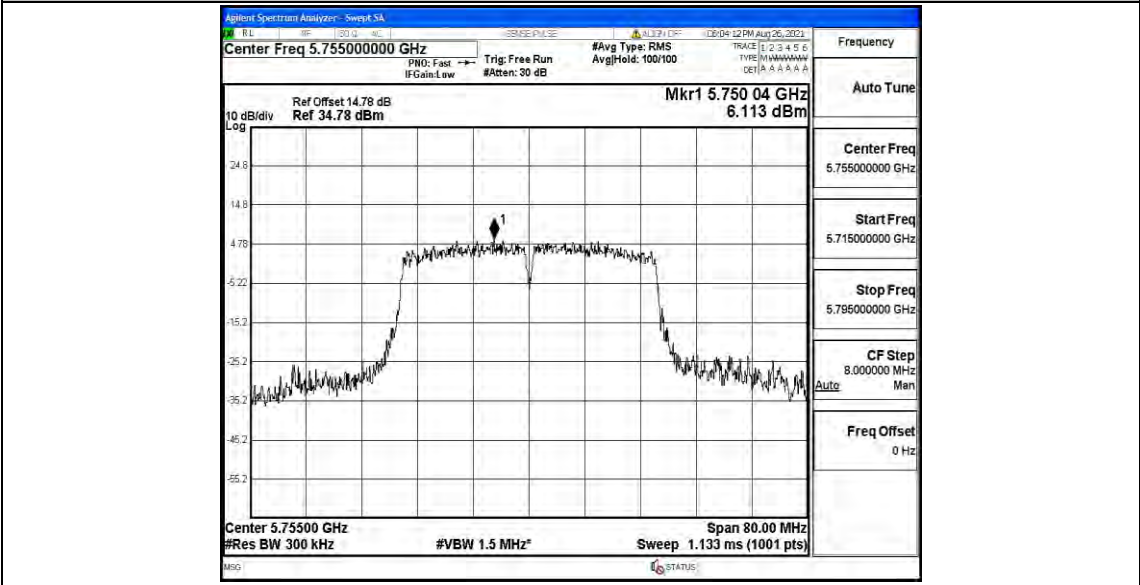
11N20MIMO_Ant2_5825



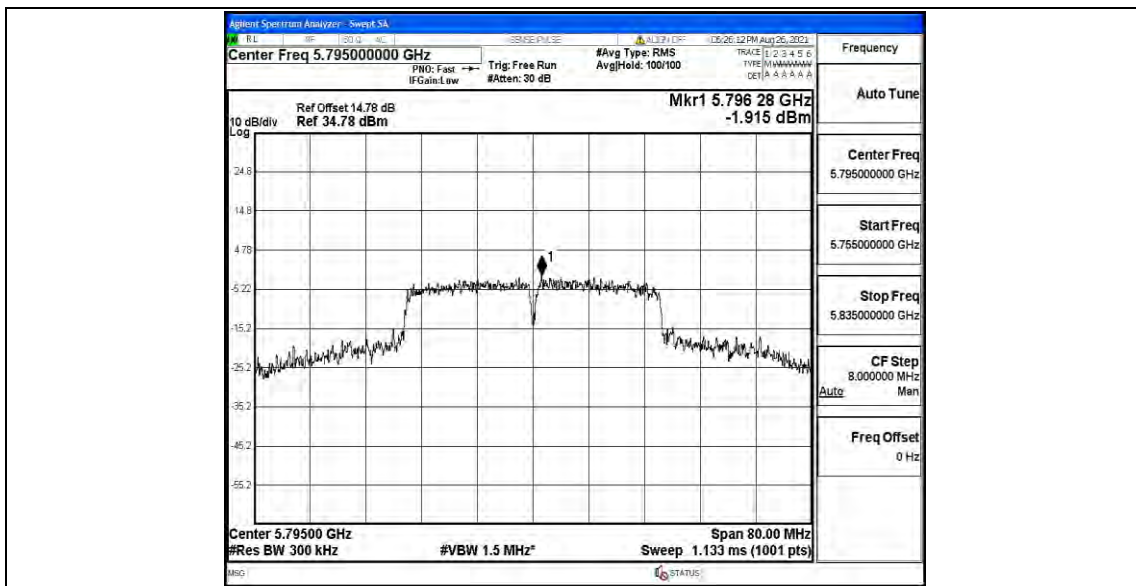
11N40MIMO_Ant1_5755



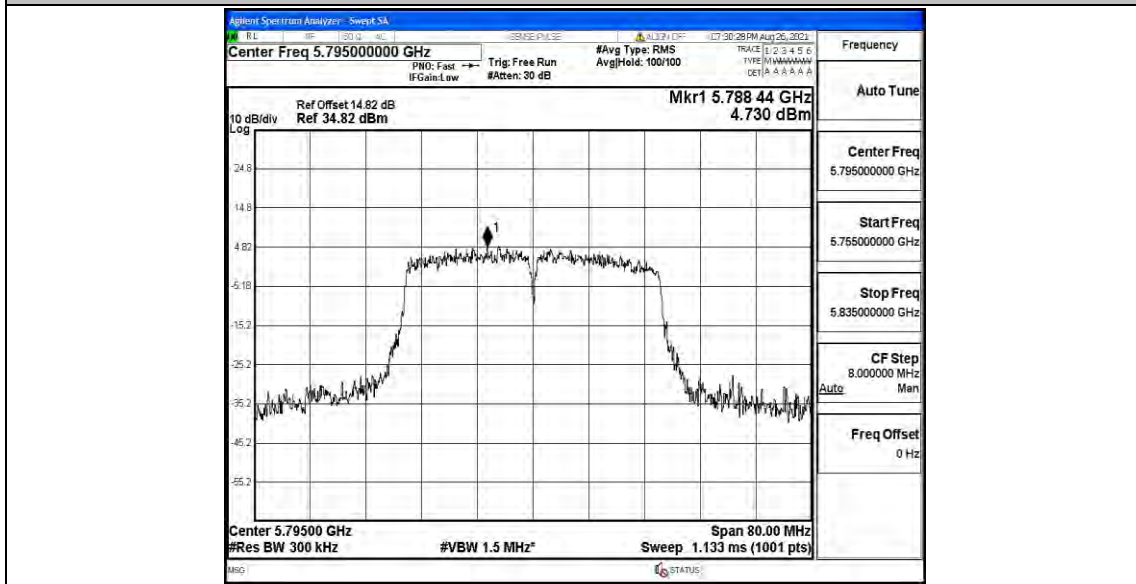
11N40MIMO_Ant2_5755



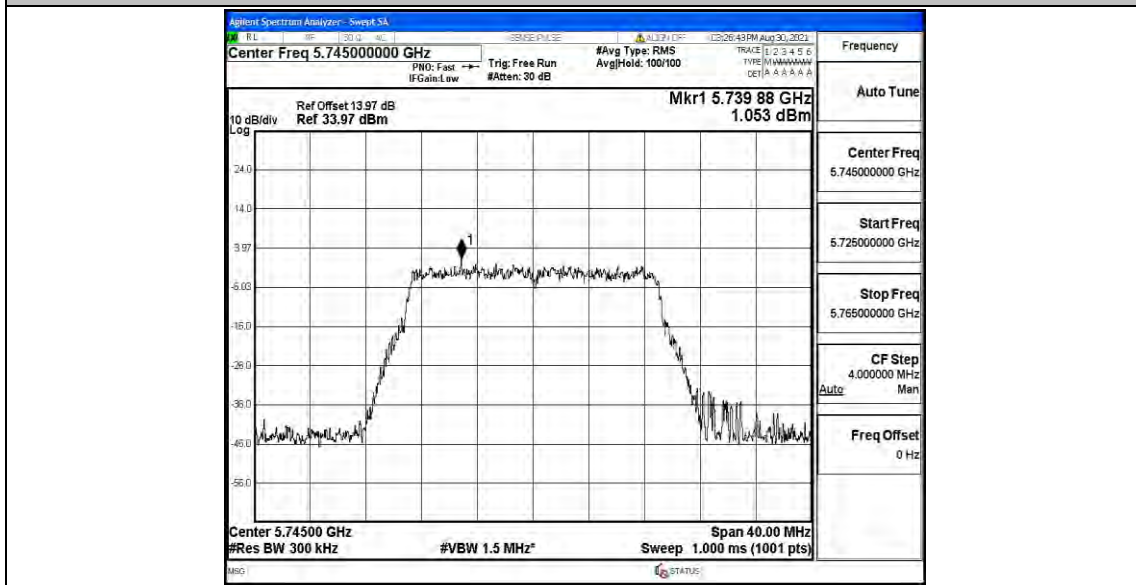
11N40MIMO_Ant1_5795



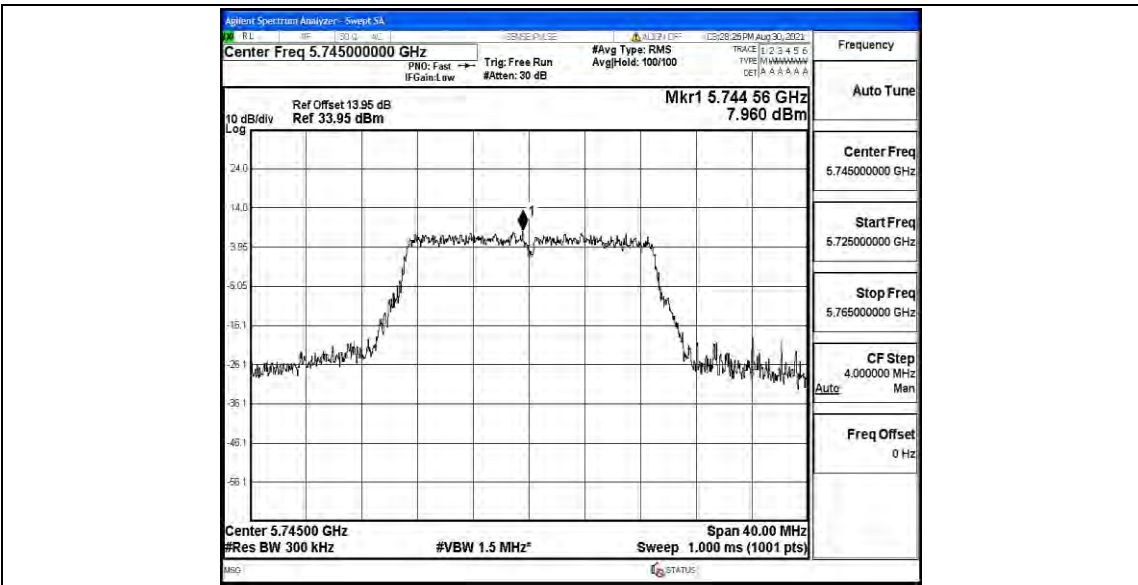
11N40MIMO_Ant2_5795



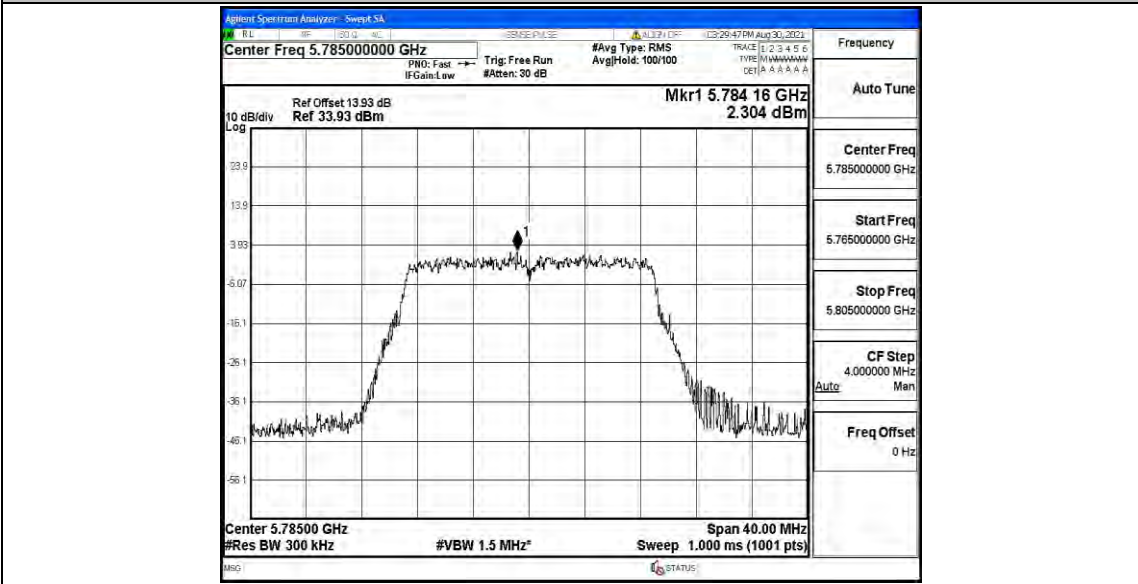
1AC20MIMO_Ant1_5745



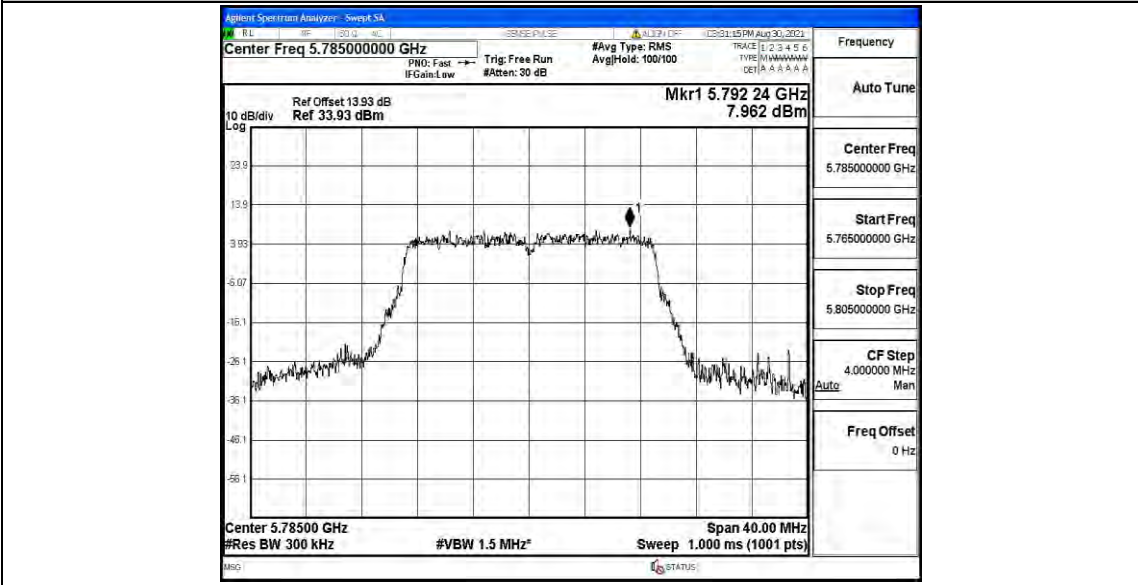
1AC20MIMO_Ant2_5745



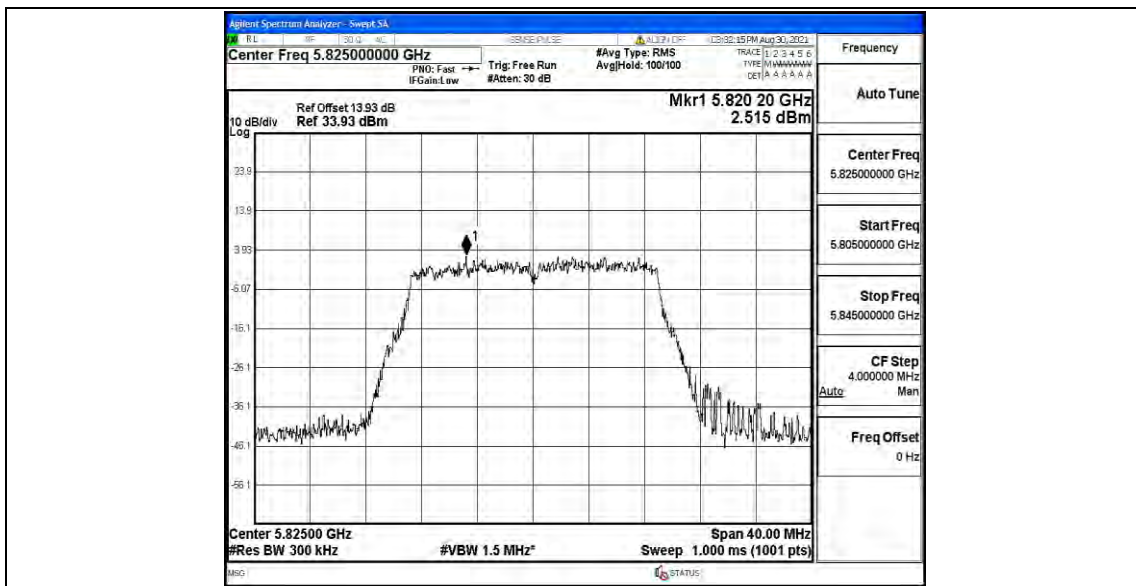
1AC20MIMO_Ant1_5785



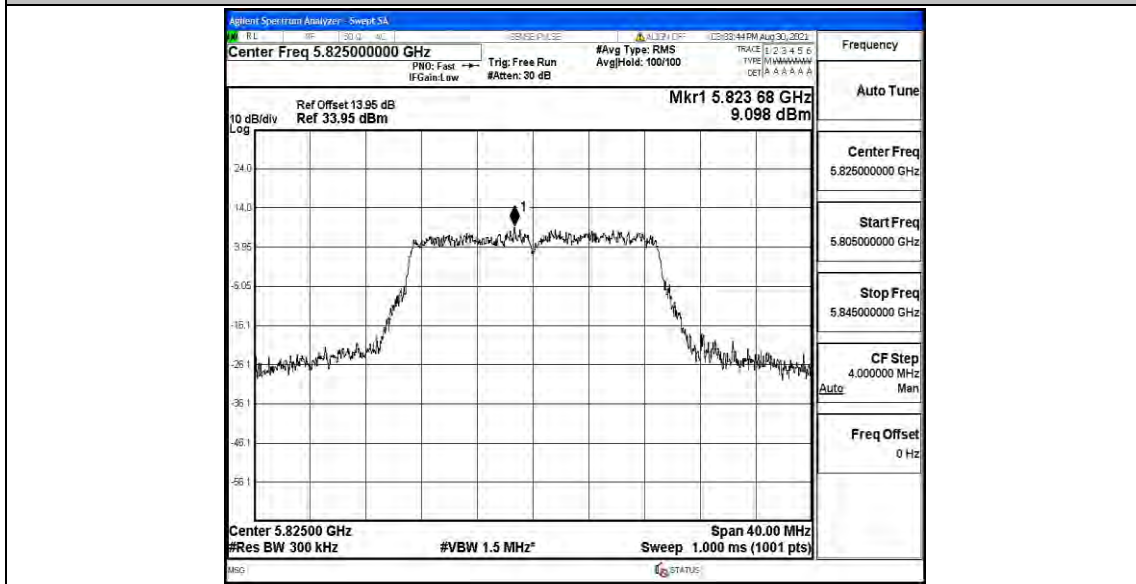
1AC20MIMO_Ant2_5785



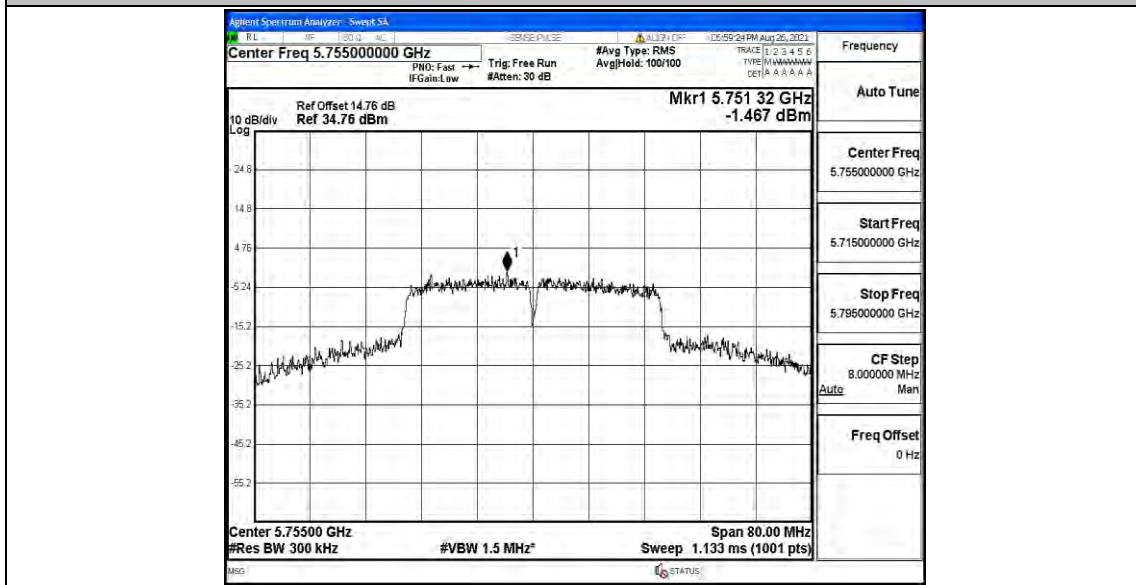
1AC20MIMO_Ant1_5825



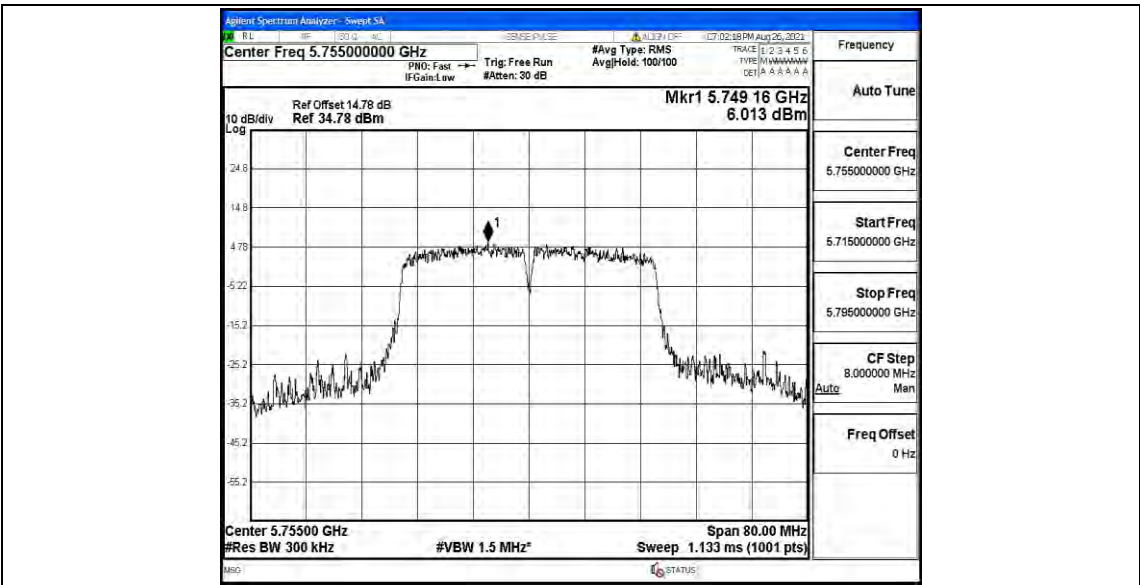
1AC20MIMO_Ant2_5825



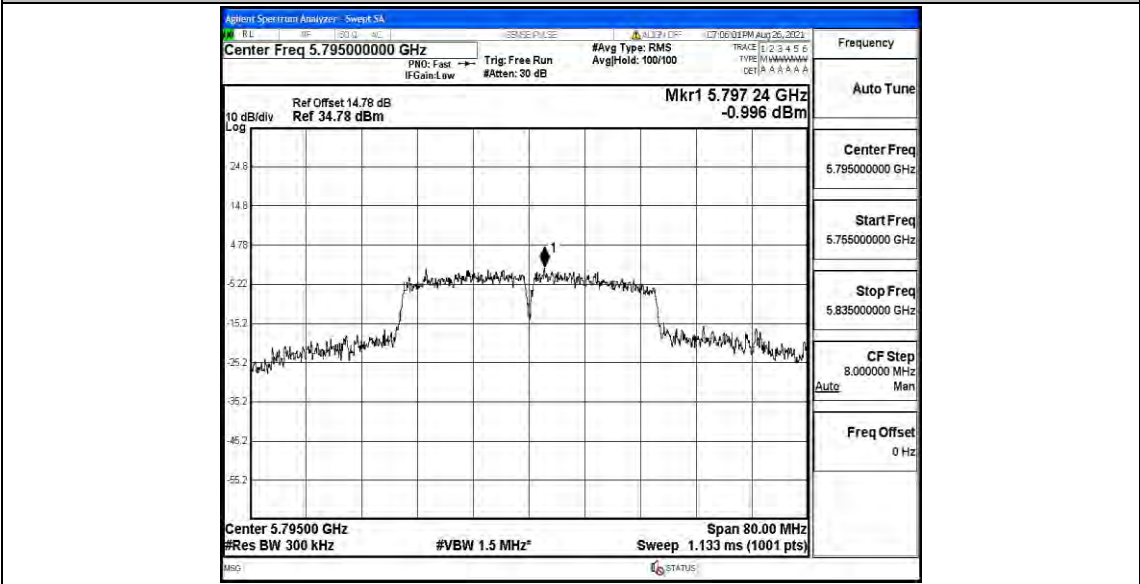
11AC40MIMO_Ant1_5755



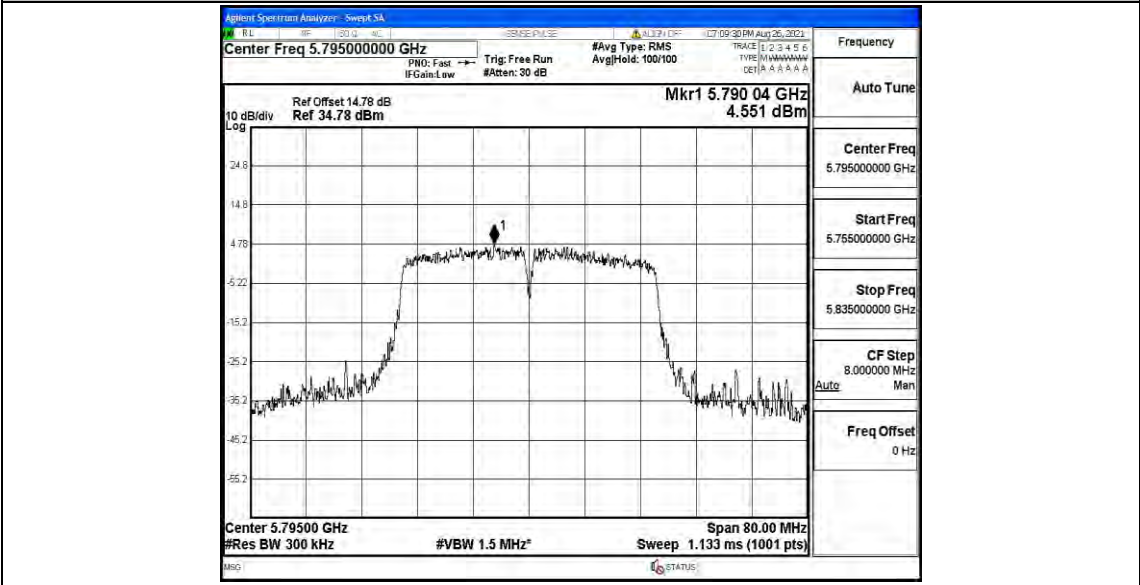
11AC40MIMO_Ant2_5755



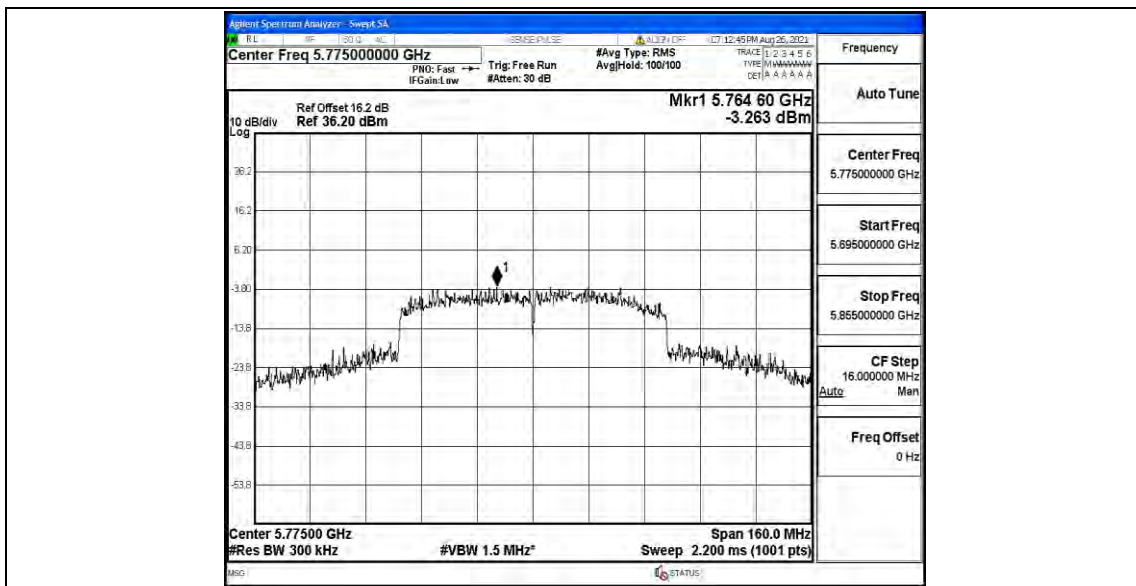
11AC40MIMO_Ant1_5795



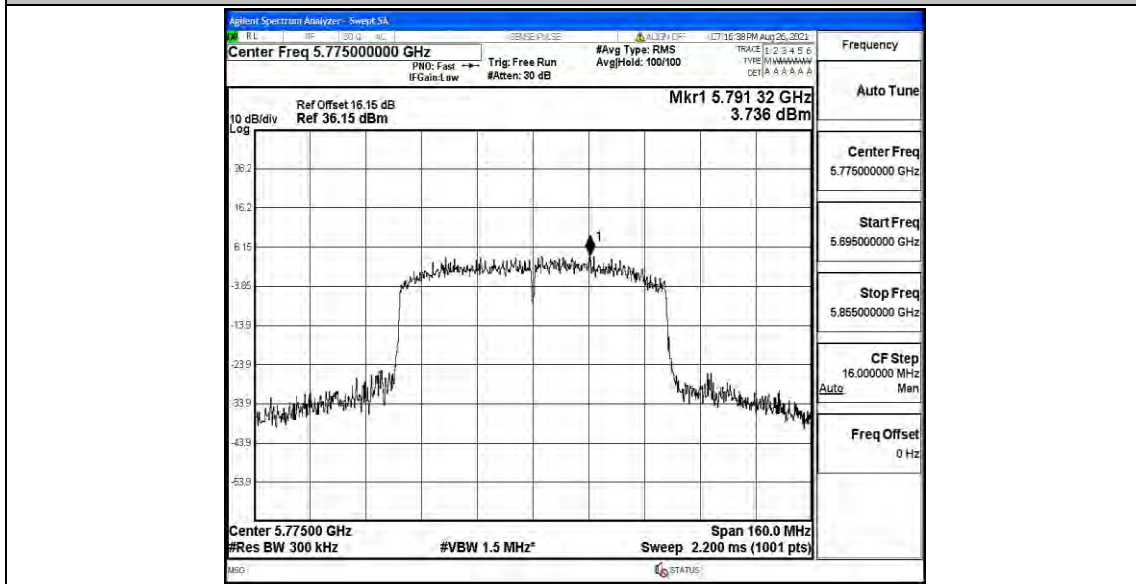
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



Appendix D: Band edge measurements

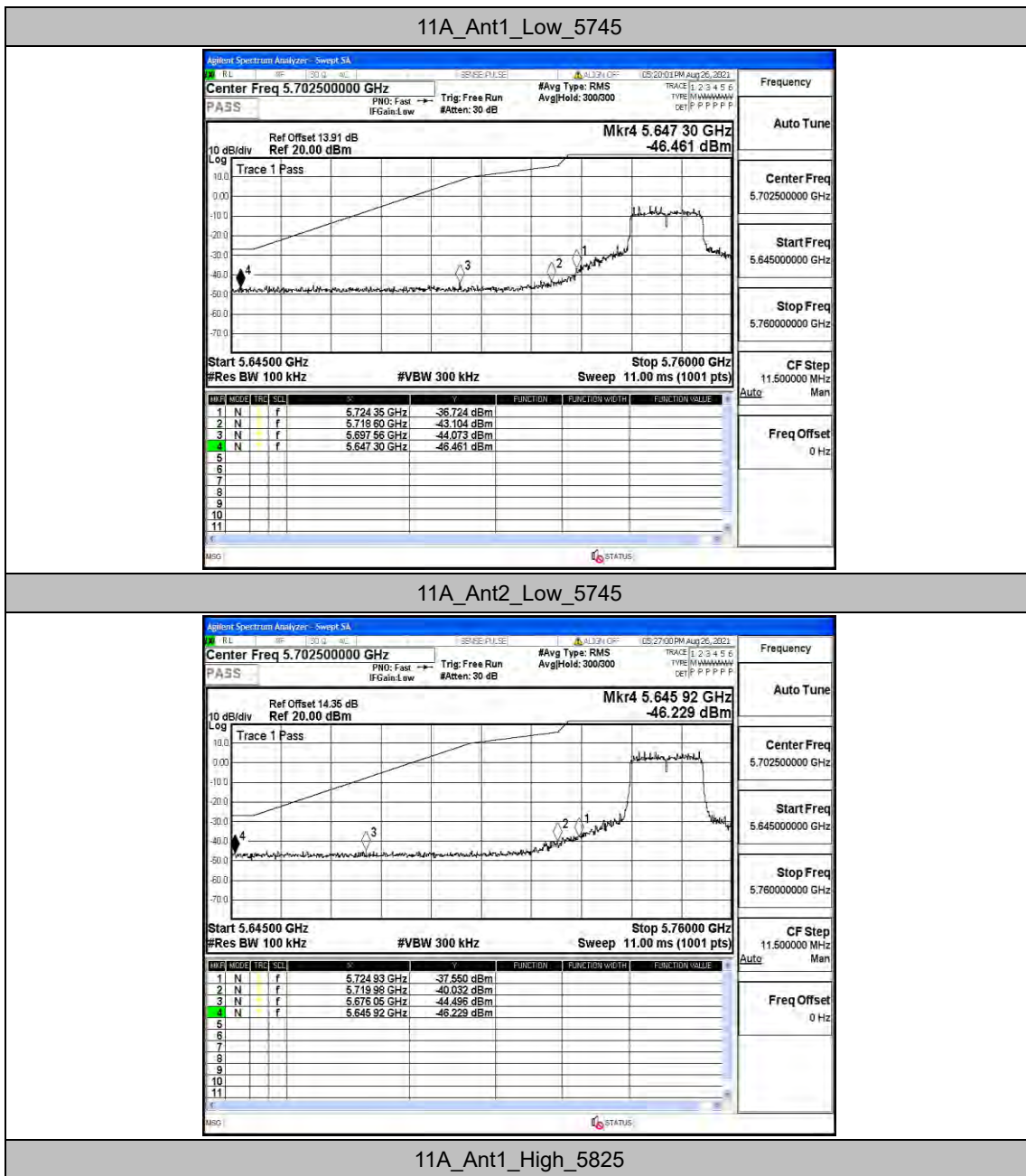
Test Result

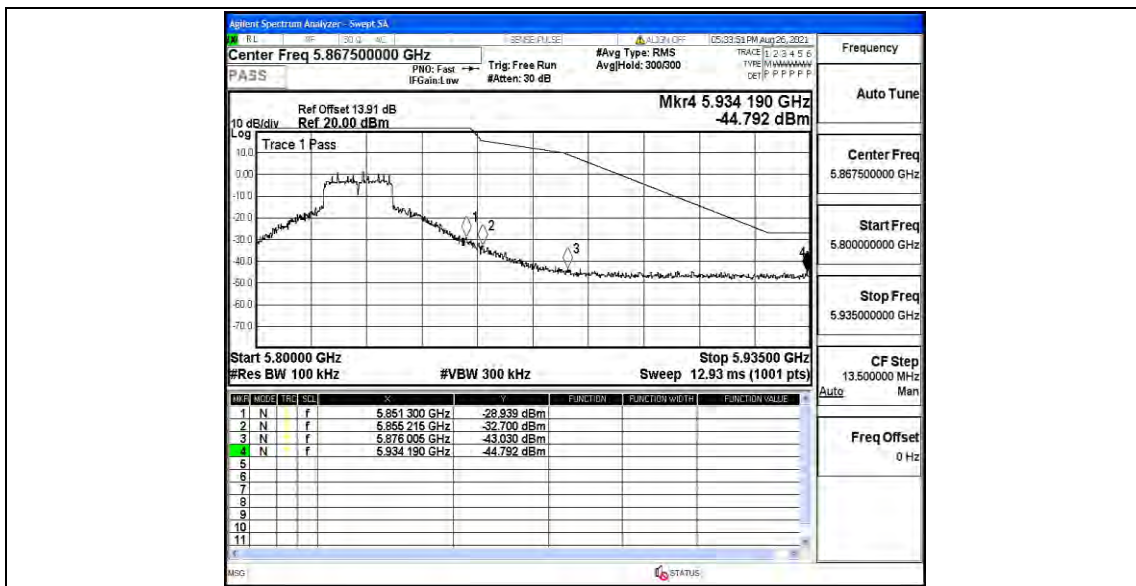
TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-44.07	≤8.19	PASS
				5700~5720	-43.1	≤15.21	PASS
				5720~5725	-36.72	≤25.52	PASS
				5760~5650	-46.46	≤-27	PASS
	Ant2	Low	5745	5650~5700	-44.5	≤-7.72	PASS
				5700~5720	-40.03	≤15.59	PASS
				5720~5725	-37.55	≤26.83	PASS
				5760~5650	-46.23	≤-27	PASS
	Ant1	High	5825	5850~5855	-28.94	≤18.56	PASS
				5855~5875	-32.7	≤10.06	PASS
				5875~5925	-43.03	≤-26.26	PASS
				5925~5935	-44.79	≤-27	PASS
	Ant2	High	5825	5850~5855	-40.73	≤16.10	PASS
				5855~5875	-43.77	≤10.10	PASS
				5875~5925	-44.41	≤-9.37	PASS
				5925~5935	-45.16	≤-27	PASS
11N20MI MO	Ant1	Low	5745	5650~5700	-44.66	≤9.13	PASS
				5700~5720	-33.54	≤15.34	PASS
				5720~5725	-25.77	≤26.83	PASS
				5760~5650	-46.74	≤-27	PASS
	Ant2	Low	5745	5650~5700	-44.46	≤-10.28	PASS
				5700~5720	-37.93	≤15.59	PASS
				5720~5725	-33.82	≤24.73	PASS
				5760~5650	-45.79	≤-27	PASS
	Ant1	High	5825	5850~5855	-27.9	≤16.41	PASS
				5855~5875	-29.19	≤10.06	PASS
				5875~5925	-42.31	≤-22.26	PASS
				5925~5935	-45.09	≤-27	PASS
	Ant2	High	5825	5850~5855	-38.7	≤15.79	PASS
				5855~5875	-42.02	≤10.10	PASS
				5875~5925	-43.86	≤-13.57	PASS
				5925~5935	-44.9	≤-27	PASS
11N40MI MO	Ant1	Low	5755	5650~5700	-35.7	≤8.16	PASS
				5700~5720	-24.56	≤15.58	PASS
				5720~5725	-22.98	≤21.28	PASS
				5780~5650	-45.47	≤-27	PASS
	Ant2	Low	5755	5650~5700	-43.48	≤5.06	PASS

				5700~5720	-28.72	≤15.58	PASS
				5720~5725	-28.61	≤21.28	PASS
				5780~5650	-45.39	≤-27	PASS
	Ant1	High	5795	5850~5855	-32.17	≤21.30	PASS
				5855~5875	-37.4	≤11.75	PASS
				5875~5925	-42.87	≤-26.19	PASS
				5925~5935	-45.16	≤-27	PASS
	Ant2	High	5795	5850~5855	-44.73	≤18.67	PASS
				5855~5875	-43.79	≤10.87	PASS
				5875~5925	-44.45	≤-17.28	PASS
5925~5935				-44.93	≤-27	PASS	
1AC20MI MO	Ant1	Low	5745	5650~5700	-43.39	≤3.51	PASS
				5700~5720	-32.96	≤15.59	PASS
				5720~5725	-25.78	≤26.83	PASS
				5760~5650	-45.1	≤-27	PASS
	Ant2	Low	5745	5650~5700	-44.53	≤-11.21	PASS
				5700~5720	-37.95	≤15.59	PASS
				5720~5725	-33.93	≤24.21	PASS
				5760~5650	-45.15	≤-27	PASS
	Ant1	High	5825	5850~5855	-27.33	≤17.03	PASS
				5855~5875	-31.32	≤10.25	PASS
				5875~5925	-41.06	≤-25.56	PASS
				5925~5935	-45.27	≤-27	PASS
	Ant2	High	5825	5850~5855	-40.28	≤15.79	PASS
				5855~5875	-42.43	≤10.10	PASS
				5875~5925	-43.87	≤-3.78	PASS
				5925~5935	-43.78	≤-27	PASS
11AC40M IMO	Ant1	Low	5755	5650~5700	-35.33	≤8.16	PASS
				5700~5720	-24.04	≤15.58	PASS
				5720~5725	-23.98	≤15.74	PASS
				5780~5650	-46.51	≤-27	PASS
	Ant2	Low	5755	5650~5700	-42.21	≤8.86	PASS
				5700~5720	-30.3	≤15.50	PASS
				5720~5725	-27.85	≤26.20	PASS
				5780~5650	-45.82	≤-27	PASS
	Ant1	High	5795	5850~5855	-33.25	≤21.30	PASS
				5855~5875	-37.95	≤11.75	PASS
				5875~5925	-41.16	≤-22.40	PASS
				5925~5935	-45.12	≤-27	PASS
	Ant2	High	5795	5850~5855	-44.11	≤25.81	PASS
				5855~5875	-44.18	≤12.21	PASS
				5875~5925	-43.52	≤-26.43	PASS
				5925~5935	-43.88	≤-27	PASS
11AC80M	Ant1	Low	5775	5650~5700	-26.19	≤4.51	PASS

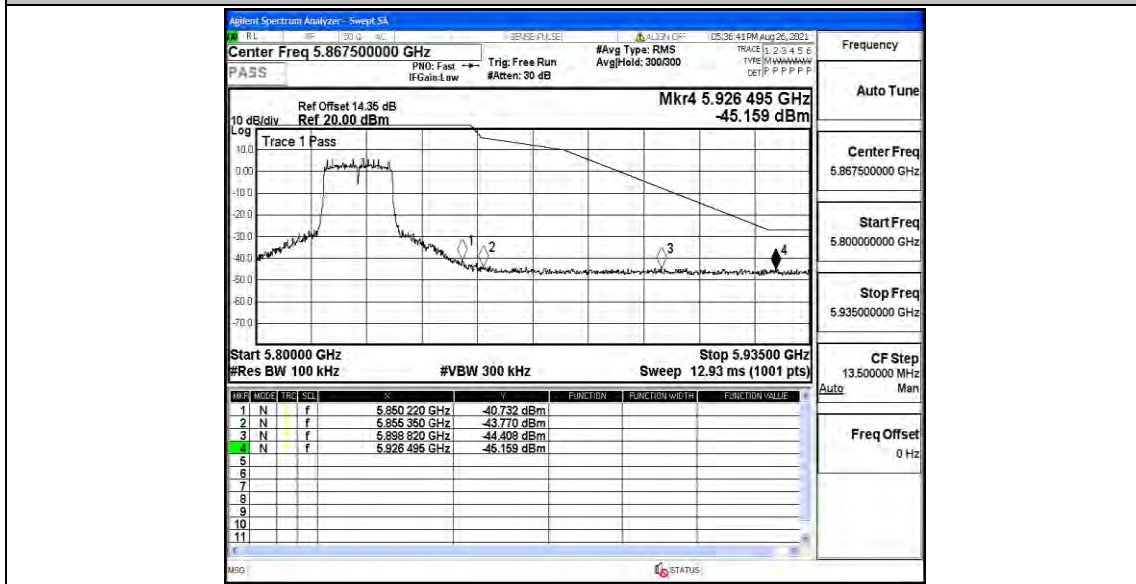
IMO				5700~5720	-24.74	≤14.48	PASS
				5720~5725	-23.77	≤21.30	PASS
				5800~5650	-40.48	≤-27	PASS
		High	5775	5850~5855	-26.71	≤26.34	PASS
				5855~5875	-28.32	≤10.33	PASS
				5875~5925	-33.98	≤-26.68	PASS
	5925~5935			-43.55	≤-27	PASS	
	Ant2	Low	5775	5650~5700	-36.93	≤9.79	PASS
				5700~5720	-32.53	≤15.52	PASS
				5720~5725	-30.45	≤17.06	PASS
				5800~5650	-44.26	≤-27	PASS
		High	5775	5850~5855	-36.43	≤17.90	PASS
				5855~5875	-36.56	≤11.58	PASS
				5875~5925	-41.28	≤-25.18	PASS
				5925~5935	-43.29	≤-27	PASS

Test Graphs

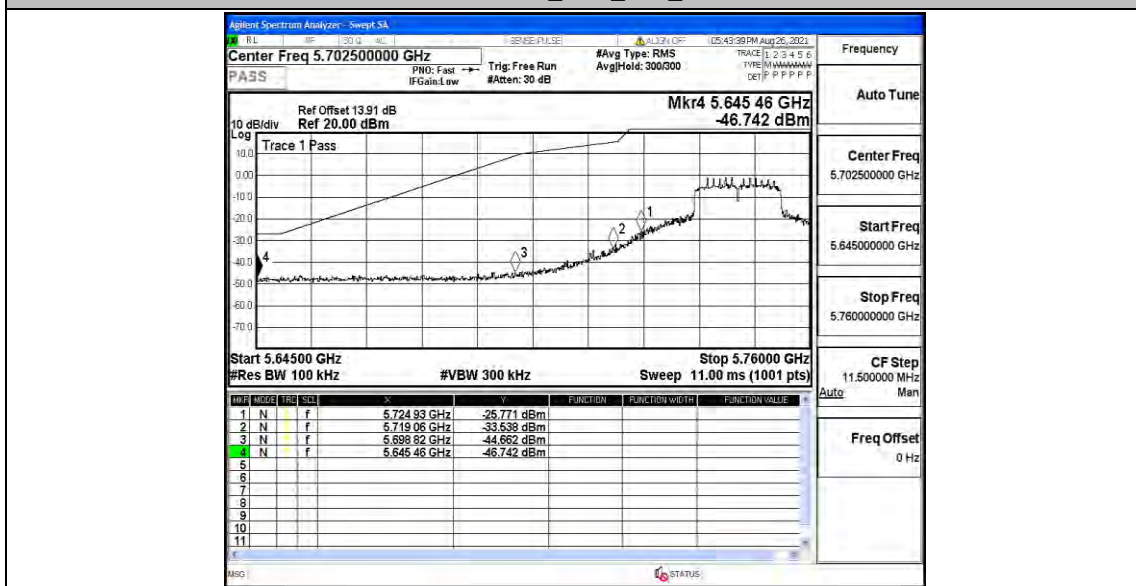




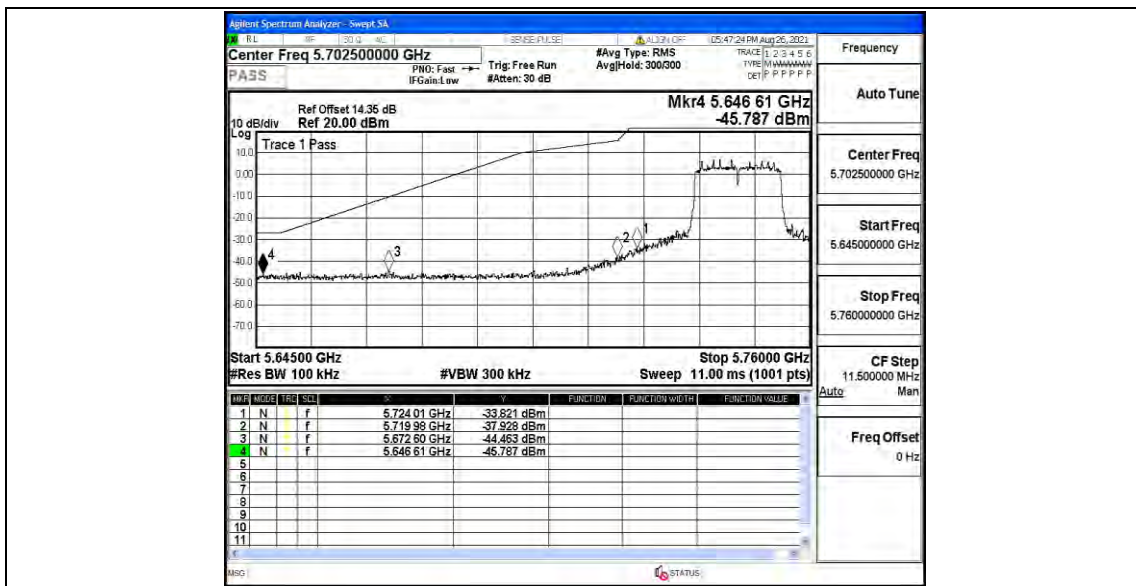
11A_Ant2_High_5825



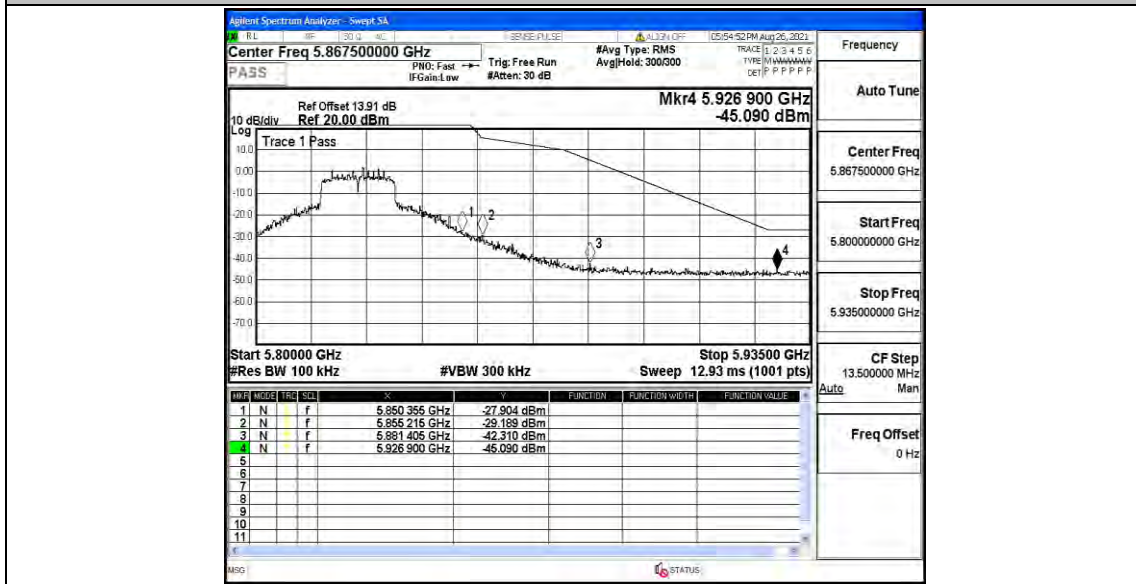
11N20MIMO_Ant1_Low_5745



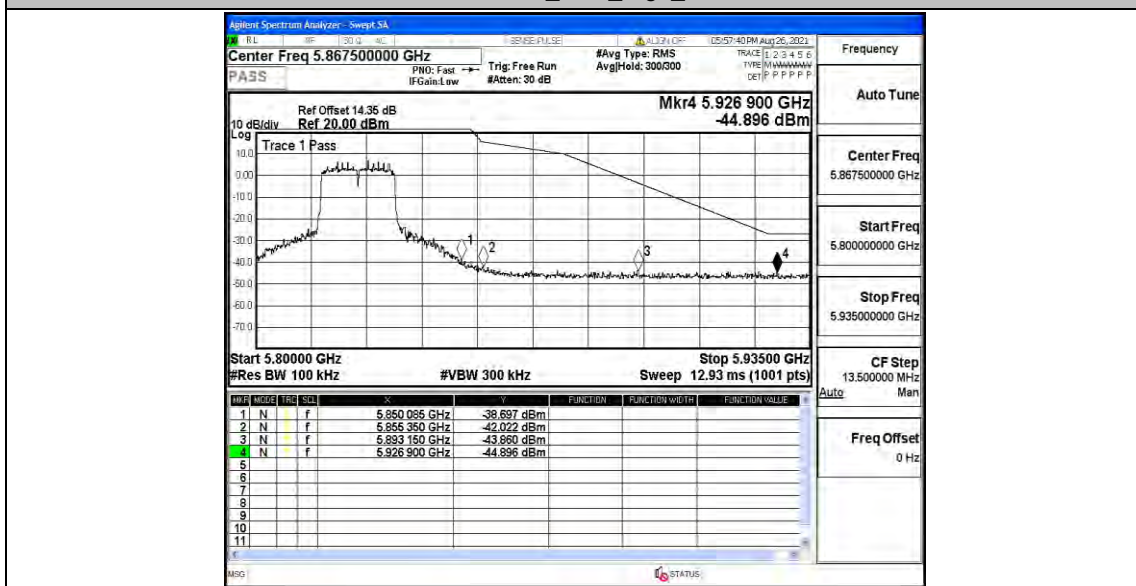
11N20MIMO_Ant2_Low_5745



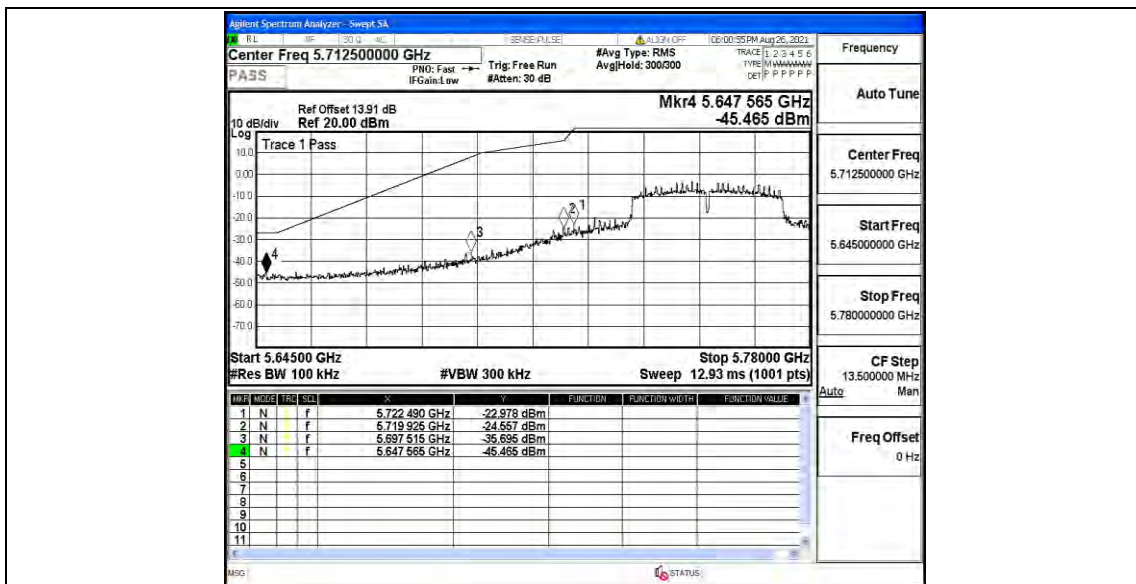
11N20MIMO_Ant1_High_5825



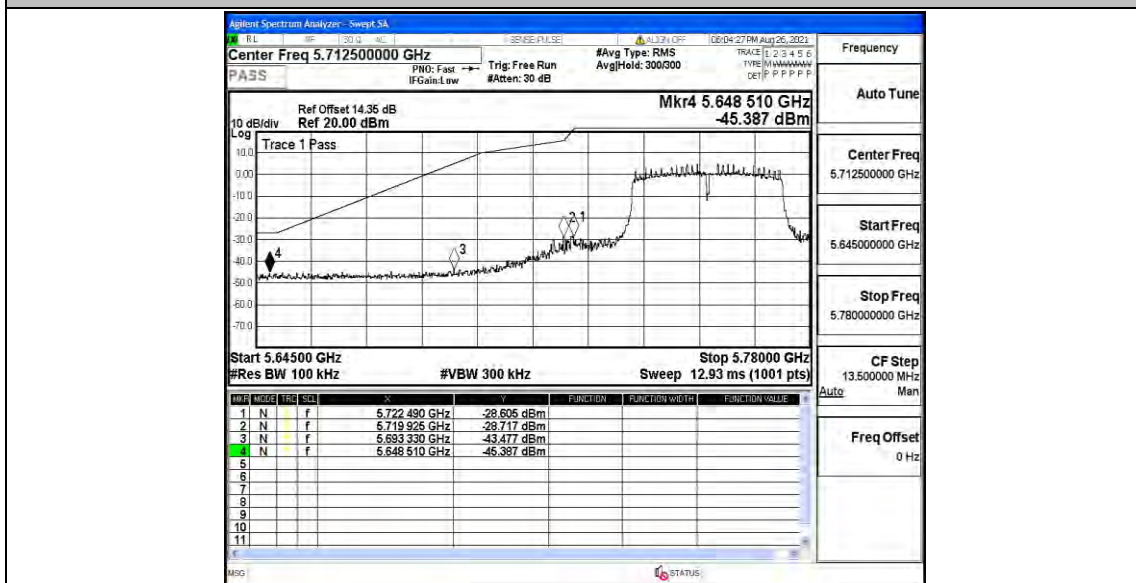
11N20MIMO_Ant2_High_5825



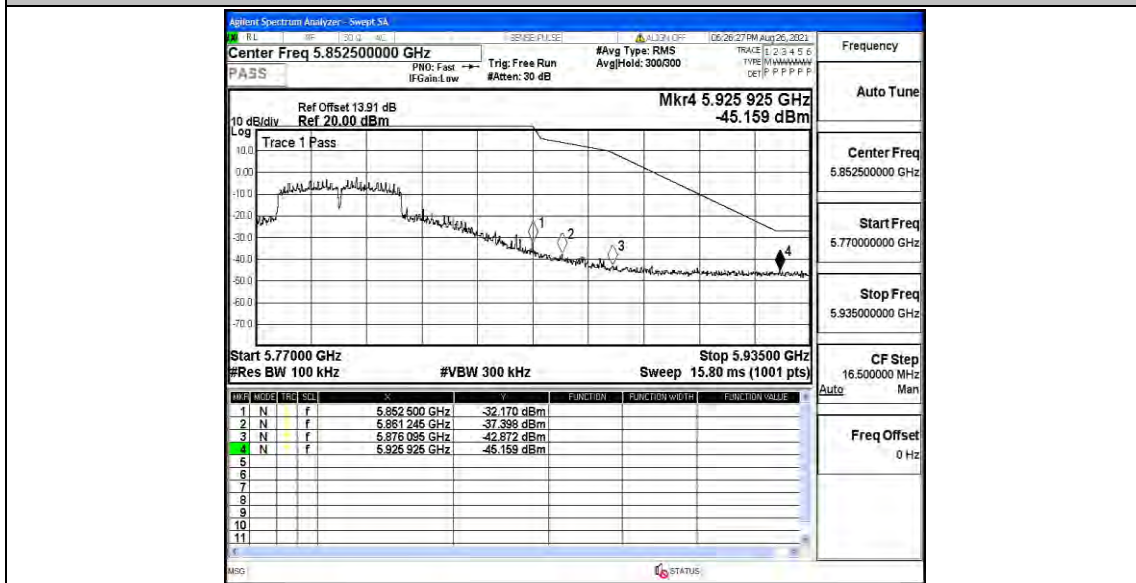
11N40MIMO_Ant1_Low_5755



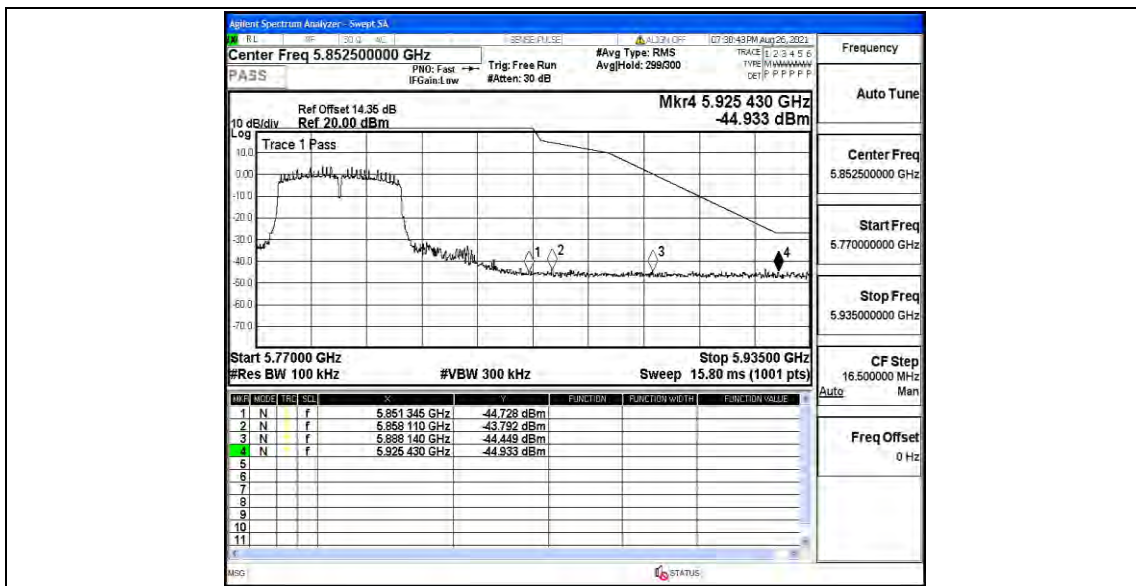
11N40MIMO_Ant2_Low_5755



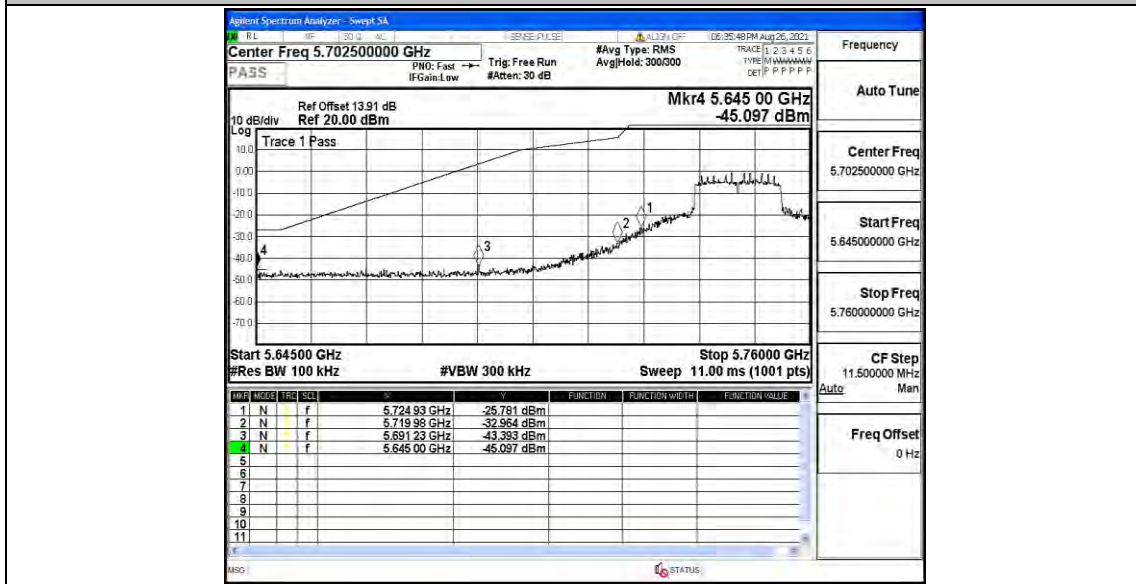
11N40MIMO_Ant1_High_5795



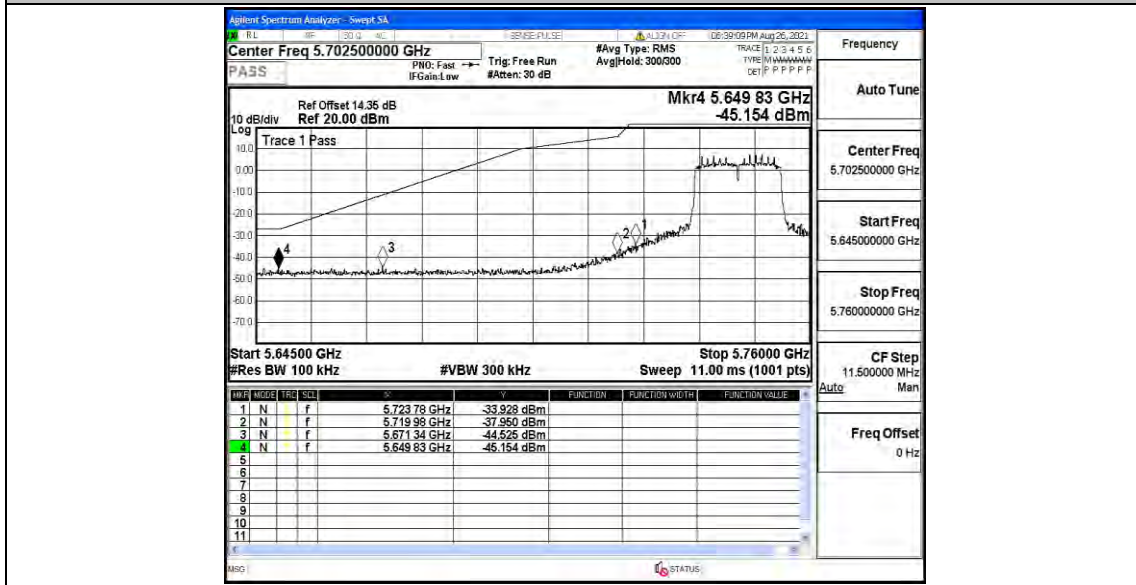
11N40MIMO_Ant2_High_5795



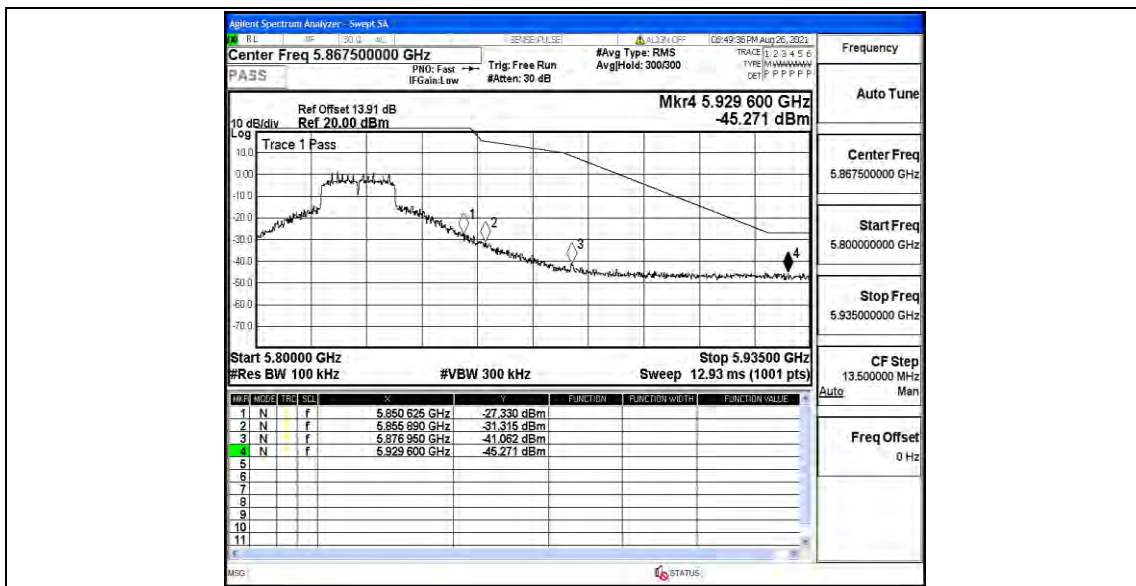
1AC20MIMO_Ant1_Low_5745



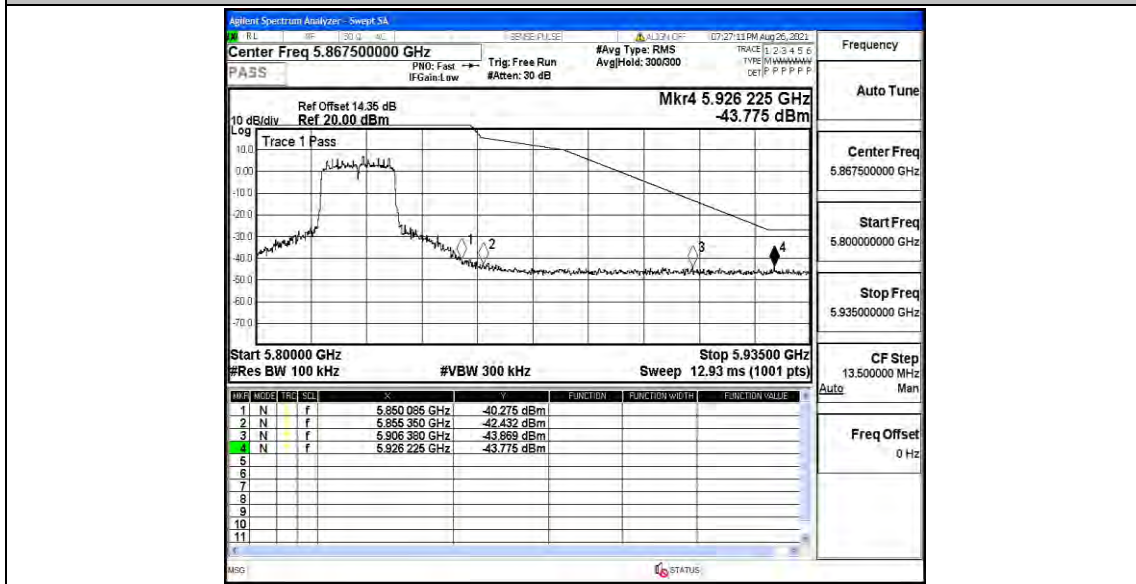
1AC20MIMO_Ant2_Low_5745



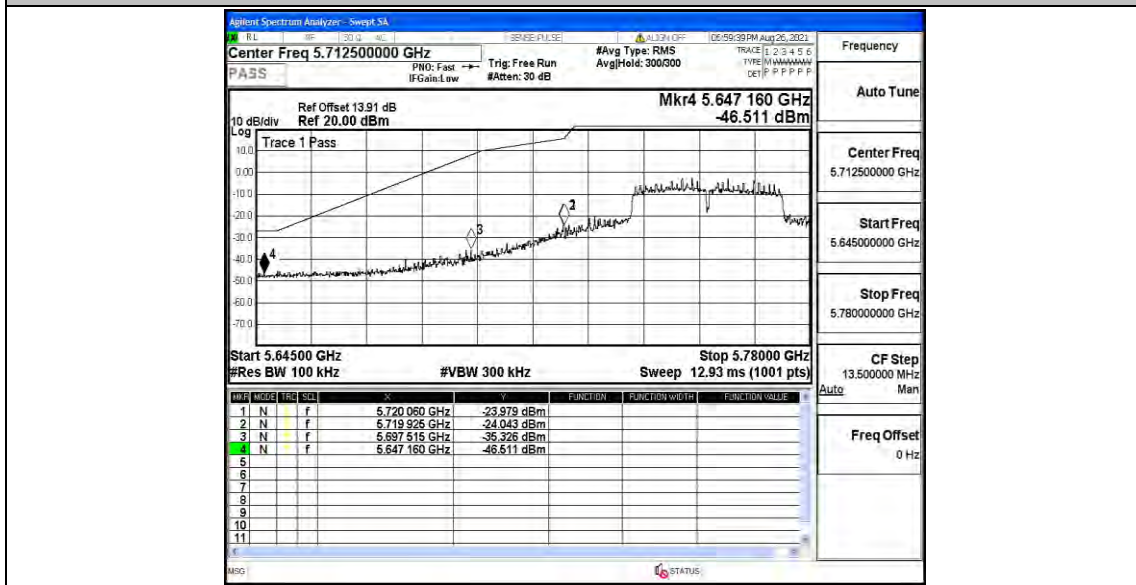
1AC20MIMO_Ant1_High_5825



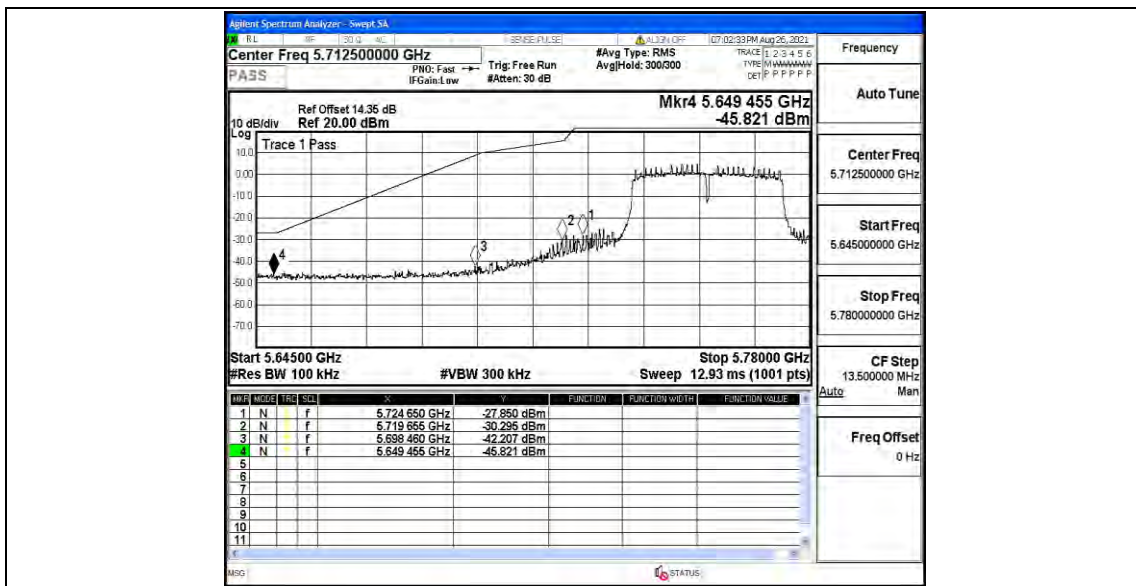
1AC20MIMO_Ant2_High_5825



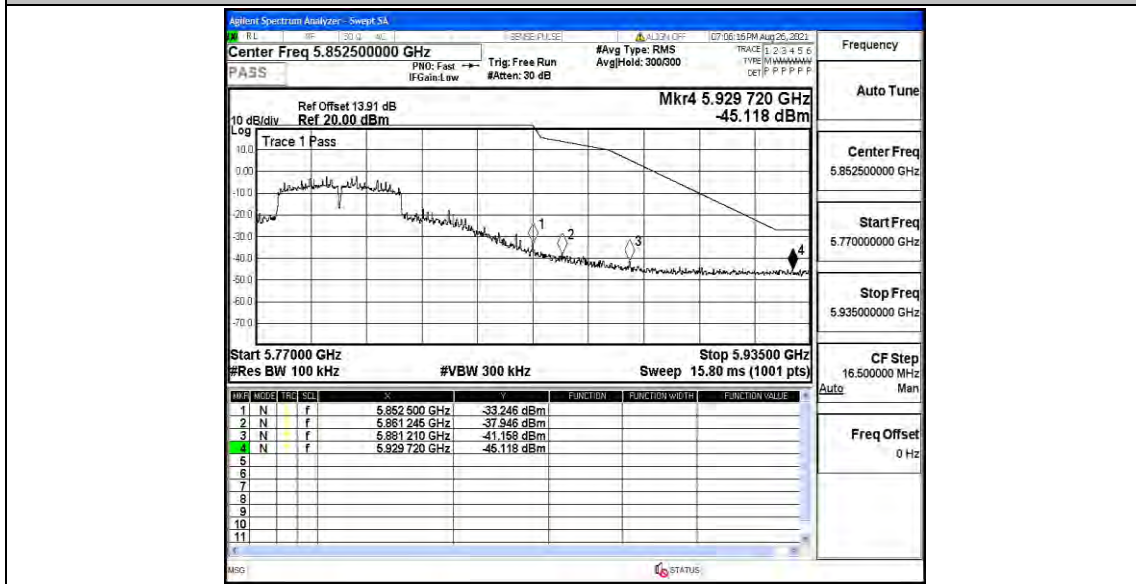
11AC40MIMO_Ant1_Low_5755



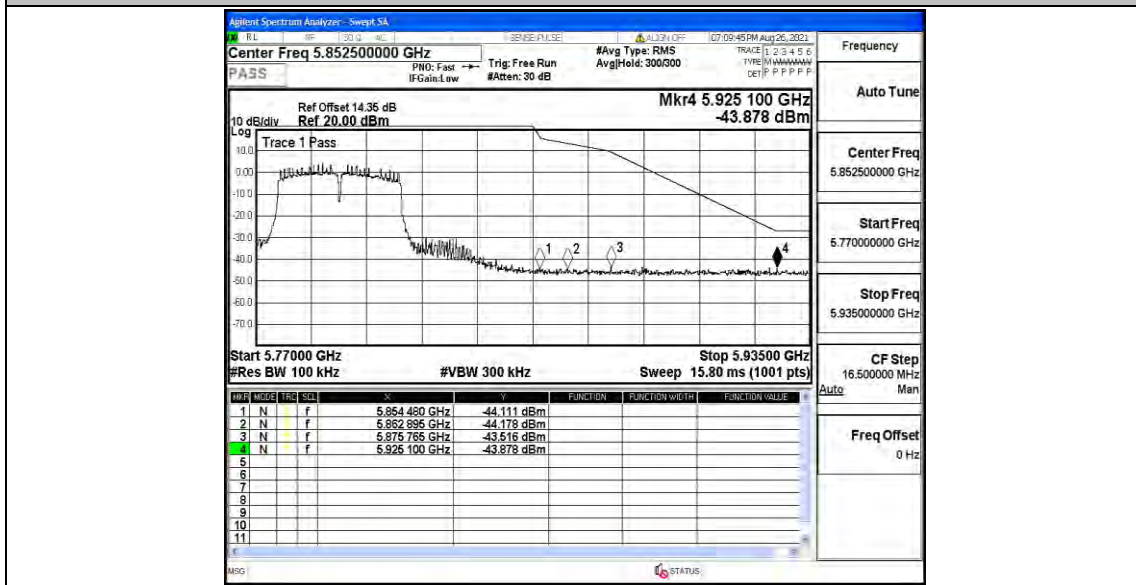
11AC40MIMO_Ant2_Low_5755



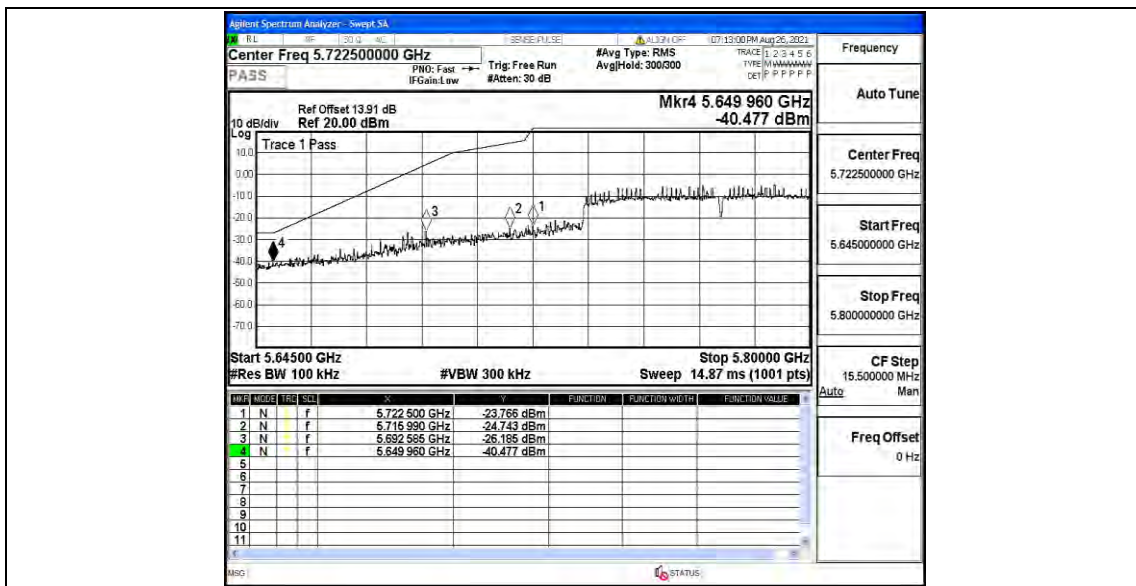
11AC40MIMO_Ant1_High_5795



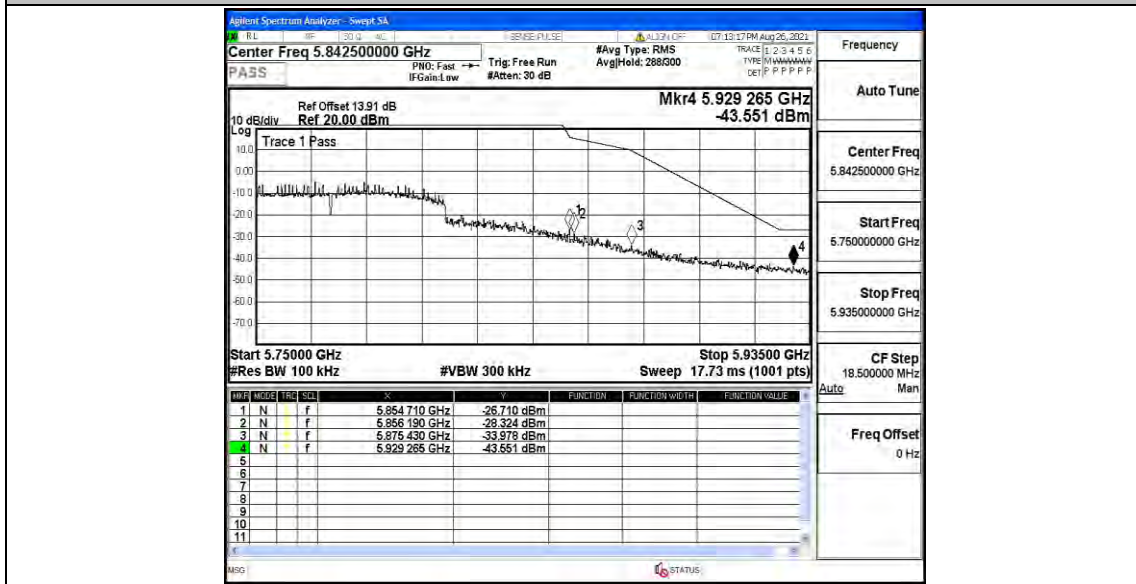
11AC40MIMO_Ant2_High_5795



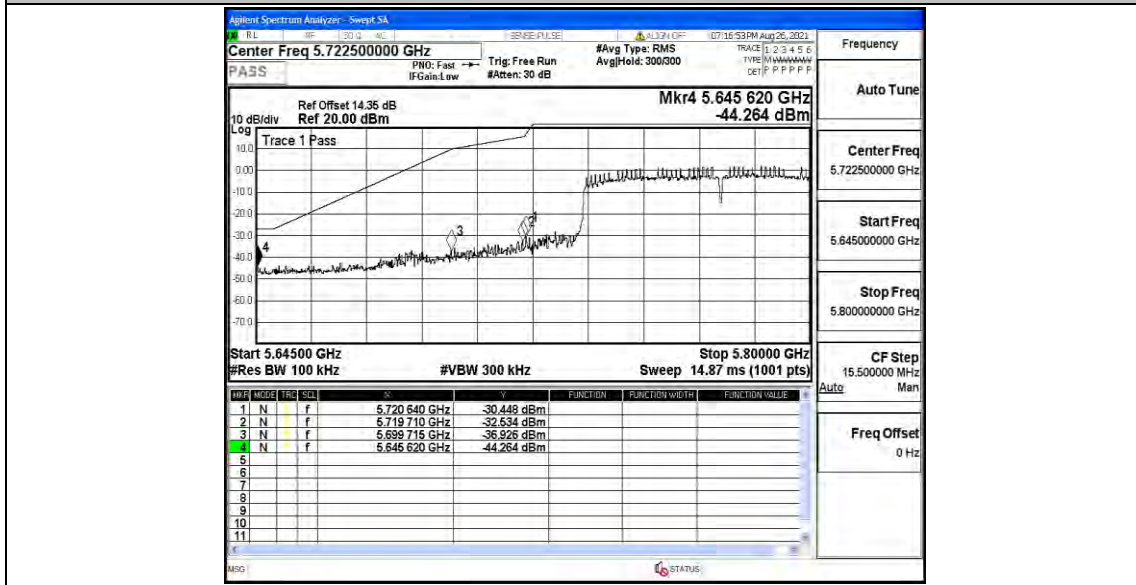
11AC80MIMO_Ant1_Low_5775



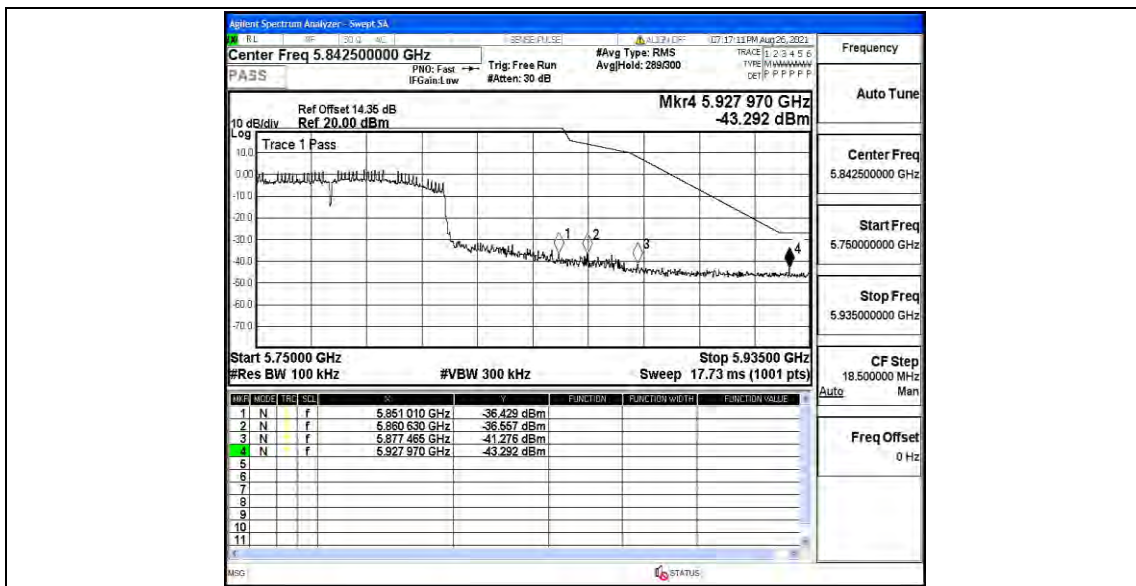
11AC80MIMO_Ant1_High_5775



11AC80MIMO_Ant2_Low_5775



11AC80MIMO_Ant2_High_5775



Appendix E: Frequency Stability

Test Result

Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.979178	5745 – 5825	PASS
5745	20	108	5744.908031	5745 – 5825	PASS
5745	50	120	5744.902848	5745 – 5825	PASS
5745	40	120	5744.903090	5745 – 5825	PASS
5745	30	120	5745.072980	5745 – 5825	PASS
5745	20	120	5745.043870	5745 – 5825	PASS
5745	10	120	5744.976594	5745 – 5825	PASS
5745	0	120	5745.049415	5745 – 5825	PASS
5745	-10	120	5745.070595	5745 – 5825	PASS
5745	-20	120	5745.074793	5745 – 5825	PASS
5745	-30	120	5745.022110	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.900060	5745 – 5825	PASS
5745	20	108	5745.038838	5745 – 5825	PASS
5745	50	120	5745.067534	5745 – 5825	PASS
5745	40	120	5744.932703	5745 – 5825	PASS
5745	30	120	5745.019831	5745 – 5825	PASS
5745	20	120	5744.995557	5745 – 5825	PASS
5745	10	120	5744.949858	5745 – 5825	PASS
5745	0	120	5745.068949	5745 – 5825	PASS
5745	-10	120	5745.070982	5745 – 5825	PASS
5745	-20	120	5745.025390	5745 – 5825	PASS
5745	-30	120	5744.921891	5745 – 5825	PASS

Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5784.989064	5745 – 5825	PASS
5785	20	108	5785.064211	5745 – 5825	PASS
5785	50	120	5784.957707	5745 – 5825	PASS
5785	40	120	5784.990620	5745 – 5825	PASS
5785	30	120	5785.078028	5745 – 5825	PASS
5785	20	120	5785.095824	5745 – 5825	PASS
5785	10	120	5784.913903	5745 – 5825	PASS
5785	0	120	5785.036027	5745 – 5825	PASS
5785	-10	120	5785.067920	5745 – 5825	PASS
5785	-20	120	5784.968585	5745 – 5825	PASS
5785	-30	120	5784.977171	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5784.900224	5745 – 5825	PASS
5785	20	108	5785.050126	5745 – 5825	PASS
5785	50	120	5785.001957	5745 – 5825	PASS
5785	40	120	5784.913764	5745 – 5825	PASS
5785	30	120	5784.963314	5745 – 5825	PASS
5785	20	120	5784.977020	5745 – 5825	PASS
5785	10	120	5785.056969	5745 – 5825	PASS
5785	0	120	5784.902176	5745 – 5825	PASS
5785	-10	120	5785.024971	5745 – 5825	PASS
5785	-20	120	5784.923322	5745 – 5825	PASS
5785	-30	120	5785.041341	5745 – 5825	PASS

Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5825.036430	5745 – 5825	PASS
5825	20	108	5824.938666	5745 – 5825	PASS
5825	50	120	5824.981165	5745 – 5825	PASS
5825	40	120	5824.987533	5745 – 5825	PASS
5825	30	120	5824.988289	5745 – 5825	PASS
5825	20	120	5824.903712	5745 – 5825	PASS
5825	10	120	5825.033847	5745 – 5825	PASS
5825	0	120	5825.091906	5745 – 5825	PASS
5825	-10	120	5824.933738	5745 – 5825	PASS
5825	-20	120	5825.062041	5745 – 5825	PASS
5825	-30	120	5824.906431	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5825.052138	5745 – 5825	PASS
5825	20	108	5825.057535	5745 – 5825	PASS
5825	50	120	5824.978334	5745 – 5825	PASS
5825	40	120	5824.921569	5745 – 5825	PASS
5825	30	120	5824.947218	5745 – 5825	PASS
5825	20	120	5825.054214	5745 – 5825	PASS
5825	10	120	5825.062685	5745 – 5825	PASS
5825	0	120	5825.076071	5745 – 5825	PASS
5825	-10	120	5824.901776	5745 – 5825	PASS
5825	-20	120	5824.911784	5745 – 5825	PASS
5825	-30	120	5825.045845	5745 – 5825	PASS

Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5754.928568	5745 – 5825	PASS
5755	20	108	5755.029957	5745 – 5825	PASS
5755	50	120	5755.085997	5745 – 5825	PASS
5755	40	120	5754.949230	5745 – 5825	PASS
5755	30	120	5755.038910	5745 – 5825	PASS
5755	20	120	5755.075035	5745 – 5825	PASS
5755	10	120	5754.963663	5745 – 5825	PASS
5755	0	120	5755.072661	5745 – 5825	PASS
5755	-10	120	5755.027421	5745 – 5825	PASS
5755	-20	120	5755.033976	5745 – 5825	PASS
5755	-30	120	5755.081321	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.050563	5745 – 5825	PASS
5755	20	108	5755.042229	5745 – 5825	PASS
5755	50	120	5755.029903	5745 – 5825	PASS
5755	40	120	5755.066997	5745 – 5825	PASS
5755	30	120	5754.966182	5745 – 5825	PASS
5755	20	120	5755.070172	5745 – 5825	PASS
5755	10	120	5754.948350	5745 – 5825	PASS
5755	0	120	5754.980627	5745 – 5825	PASS
5755	-10	120	5755.068033	5745 – 5825	PASS
5755	-20	120	5754.994489	5745 – 5825	PASS
5755	-30	120	5755.039631	5745 – 5825	PASS

Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.967808	5745 – 5825	PASS
5795	20	108	5794.913733	5745 – 5825	PASS
5795	50	120	5795.071075	5745 – 5825	PASS
5795	40	120	5795.011216	5745 – 5825	PASS
5795	30	120	5795.041047	5745 – 5825	PASS
5795	20	120	5795.074920	5745 – 5825	PASS
5795	10	120	5795.062722	5745 – 5825	PASS
5795	0	120	5794.930623	5745 – 5825	PASS
5795	-10	120	5795.004195	5745 – 5825	PASS
5795	-20	120	5795.033717	5745 – 5825	PASS
5795	-30	120	5795.036699	5745 – 5825	PASS

Ant 2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5795.097553	5745 – 5825	PASS
5795	20	108	5795.000540	5745 – 5825	PASS
5795	50	120	5795.084361	5745 – 5825	PASS
5795	40	120	5794.999063	5745 – 5825	PASS
5795	30	120	5794.985564	5745 – 5825	PASS
5795	20	120	5795.023543	5745 – 5825	PASS
5795	10	120	5794.995899	5745 – 5825	PASS
5795	0	120	5794.973313	5745 – 5825	PASS
5795	-10	120	5794.955916	5745 – 5825	PASS
5795	-20	120	5794.921802	5745 – 5825	PASS
5795	-30	120	5794.913446	5745 – 5825	PASS

Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5775.031436	5745 – 5825	PASS
5775	20	108	5774.905498	5745 – 5825	PASS
5775	50	120	5774.955517	5745 – 5825	PASS
5775	40	120	5775.012059	5745 – 5825	PASS
5775	30	120	5775.048876	5745 – 5825	PASS
5775	20	120	5775.086992	5745 – 5825	PASS
5775	10	120	5775.051706	5745 – 5825	PASS
5775	0	120	5775.030118	5745 – 5825	PASS
5775	-10	120	5774.999588	5745 – 5825	PASS
5775	-20	120	5774.971285	5745 – 5825	PASS
5775	-30	120	5774.967022	5745 – 5825	PASS

Ant 2

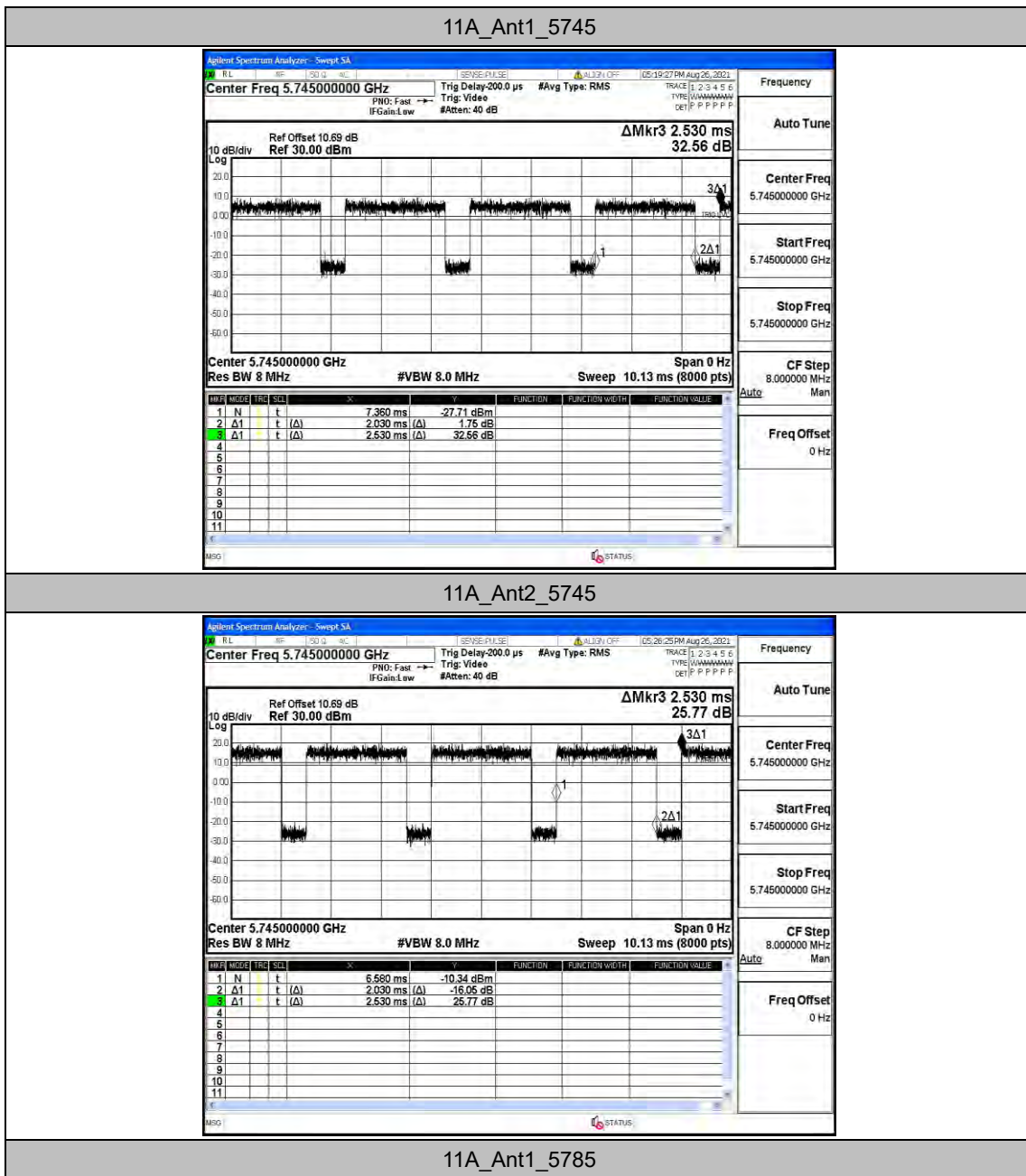
Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5774.907035	5745 – 5825	PASS
5775	20	108	5775.017750	5745 – 5825	PASS
5775	50	120	5774.974223	5745 – 5825	PASS
5775	40	120	5775.083568	5745 – 5825	PASS
5775	30	120	5774.928804	5745 – 5825	PASS
5775	20	120	5775.023930	5745 – 5825	PASS
5775	10	120	5774.920527	5745 – 5825	PASS
5775	0	120	5775.039551	5745 – 5825	PASS
5775	-10	120	5775.044708	5745 – 5825	PASS
5775	-20	120	5774.920857	5745 – 5825	PASS
5775	-30	120	5774.958632	5745 – 5825	PASS

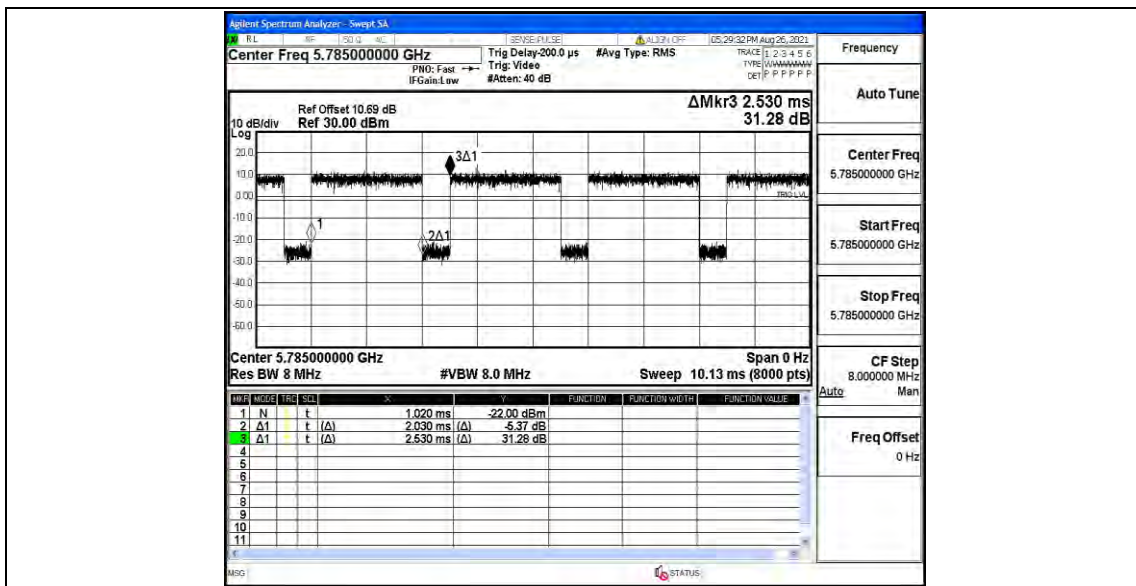
Appendix F: Duty Cycle

Test Result

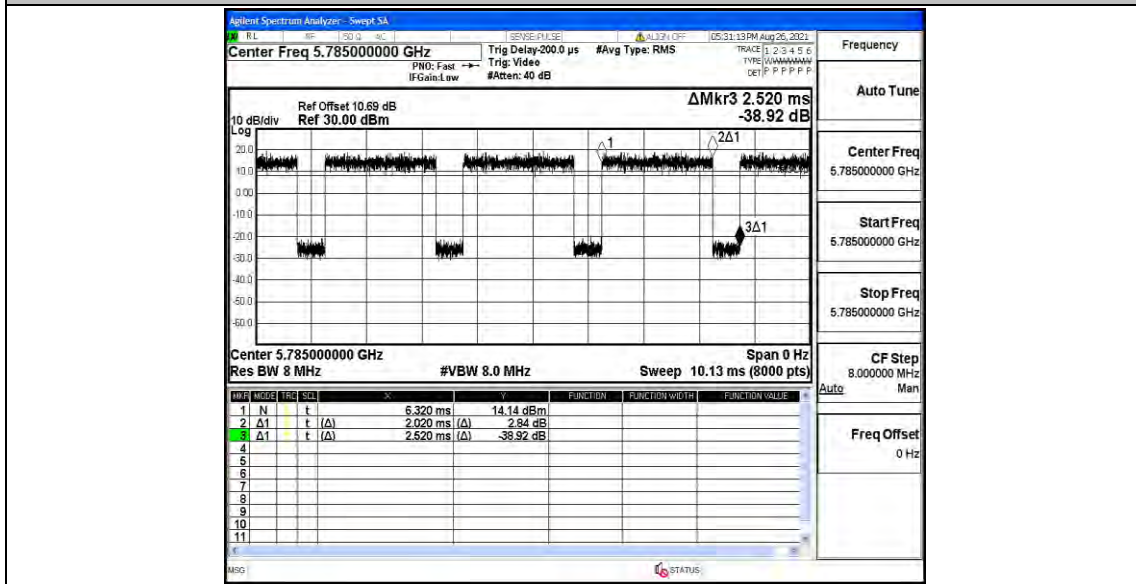
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/B[kHz]
11A	Ant1	5745	2.03	2.53	80.24	0.4
	Ant2	5745	2.03	2.53	80.24	0.4
	Ant1	5785	2.03	2.53	80.24	0.4
	Ant2	5785	2.02	2.52	80.16	0.4
	Ant1	5825	2.03	2.53	80.24	0.4
	Ant2	5825	2.03	2.53	80.24	0.4
11N20MIMO	Ant1	5745	1.89	2.39	79.08	0.42
	Ant2	5745	1.89	2.39	79.08	0.42
	Ant1	5785	1.89	2.39	79.08	0.42
	Ant2	5785	1.89	2.39	79.08	0.42
	Ant1	5825	1.89	2.39	79.08	0.42
	Ant2	5825	1.89	2.39	79.08	0.42
11N40MIMO	Ant1	5755	0.93	1.43	65.03	0.7
	Ant2	5755	0.93	1.43	65.03	0.7
	Ant1	5795	0.93	1.43	65.03	0.7
	Ant2	5795	0.92	1.43	64.34	0.7
1AC20MIMO	Ant1	5745	0.36	0.46	78.26	2.17
	Ant2	5745	1.89	2.40	78.75	0.42
	Ant1	5785	1.89	2.39	79.08	0.42
	Ant2	5785	1.89	2.39	79.08	0.42
	Ant1	5825	1.89	2.39	79.08	0.42
	Ant2	5825	1.89	2.40	78.75	0.42
11AC40MIMO	Ant1	5755	0.94	1.44	65.28	0.69
	Ant2	5755	0.93	1.43	65.03	0.7
	Ant1	5795	0.93	1.43	65.03	0.7
	Ant2	5795	0.93	1.43	65.03	0.7
11AC80MIMO	Ant1	5775	0.45	0.96	46.88	1.04
	Ant2	5775	0.45	0.95	47.37	1.05

Test Graphs

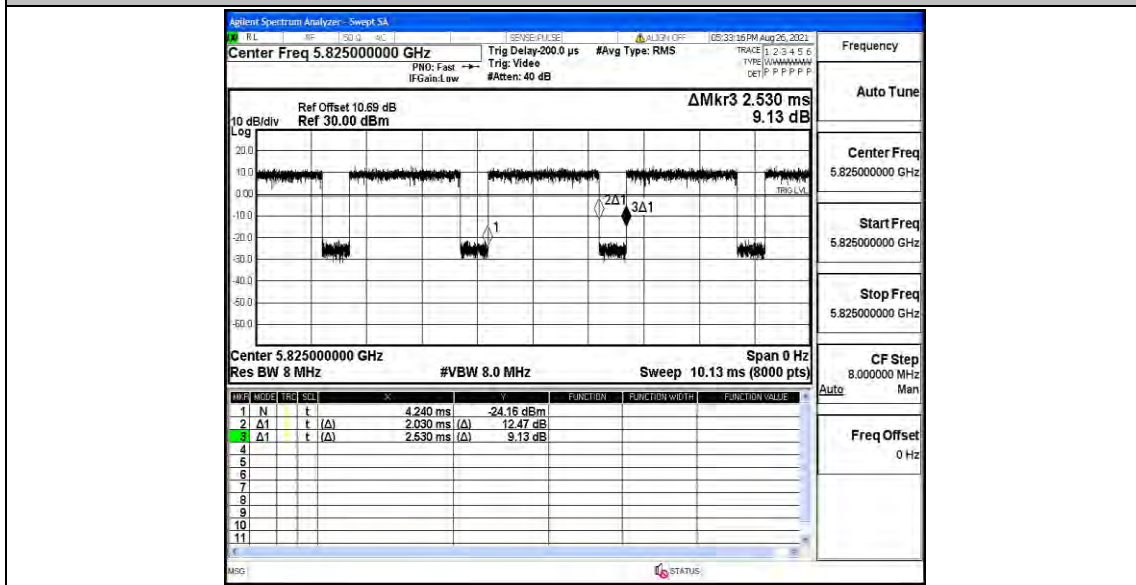




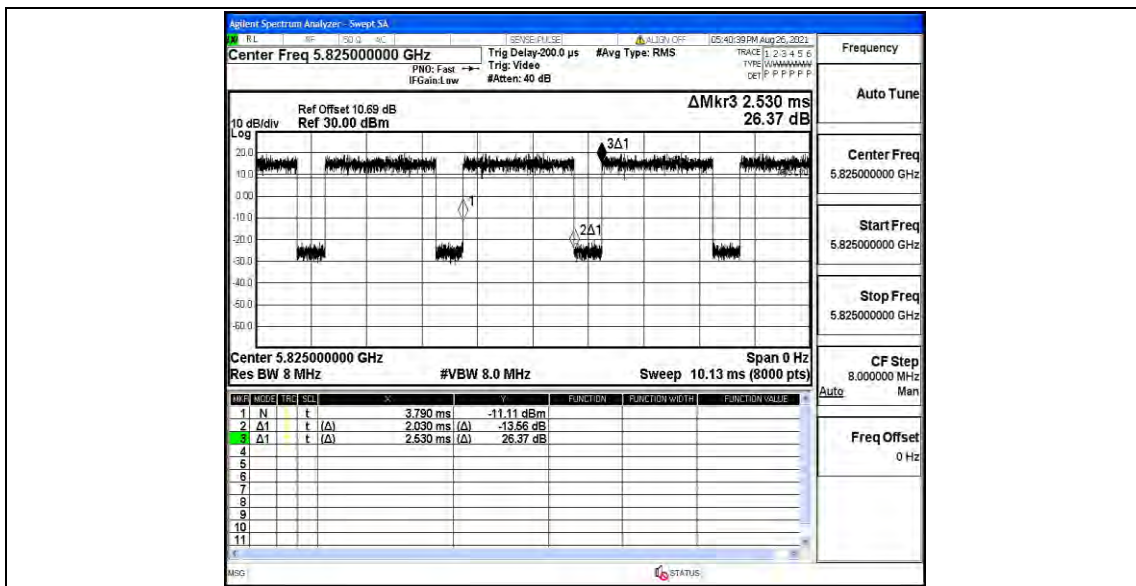
11A_Ant2_5785



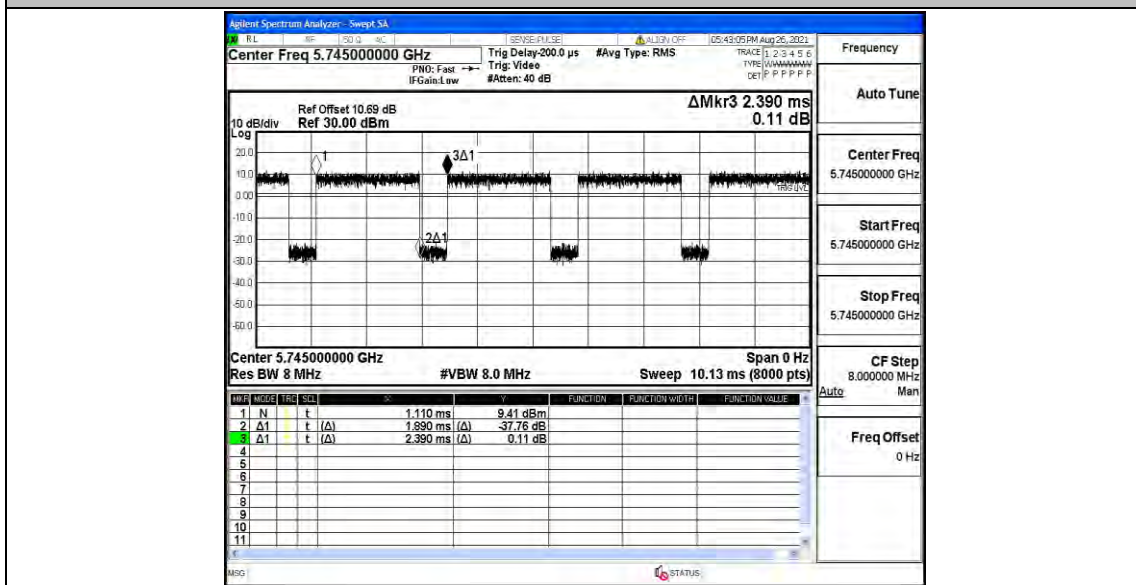
11A_Ant1_5825



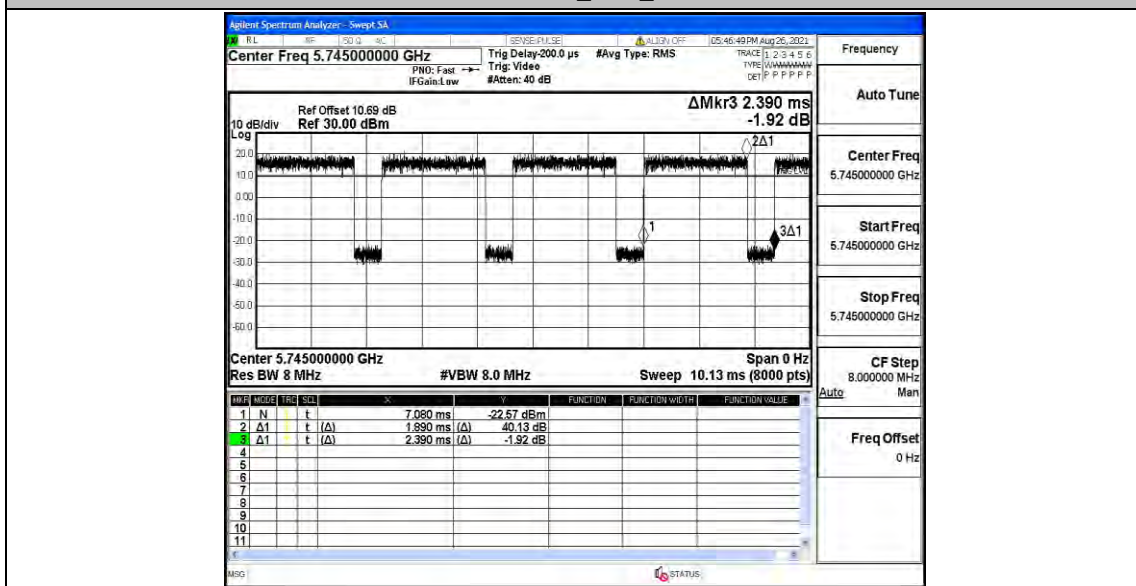
11A_Ant2_5825



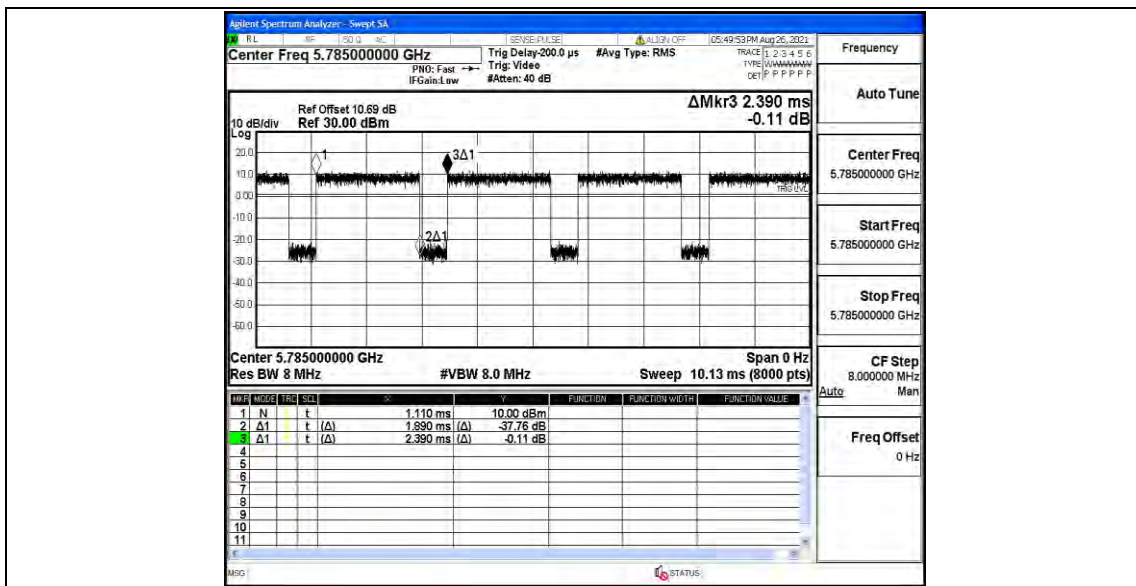
11N20MIMO_Ant1_5745



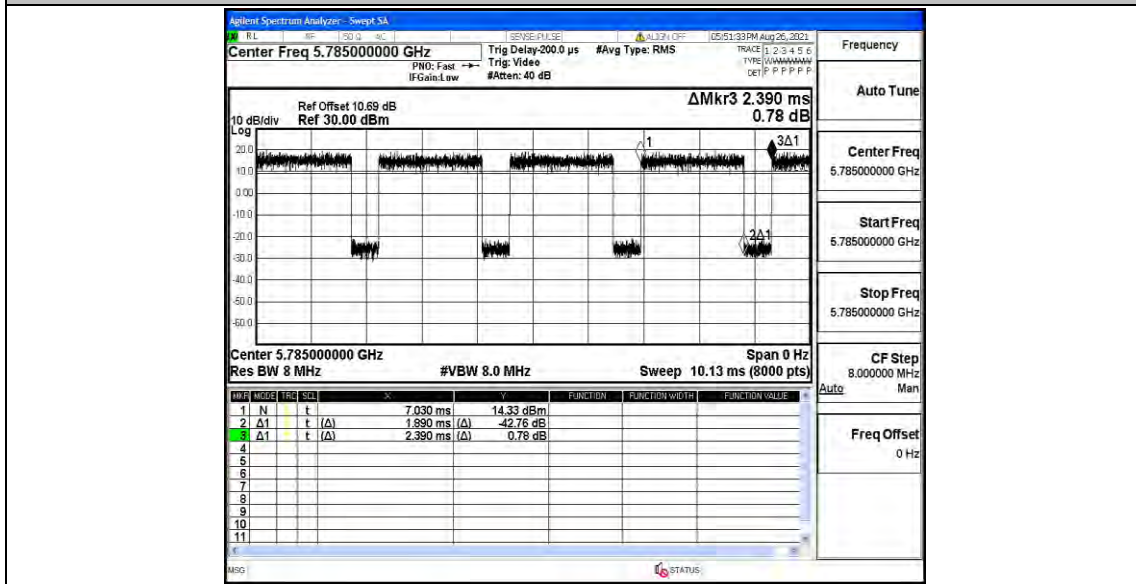
11N20MIMO_Ant2_5745



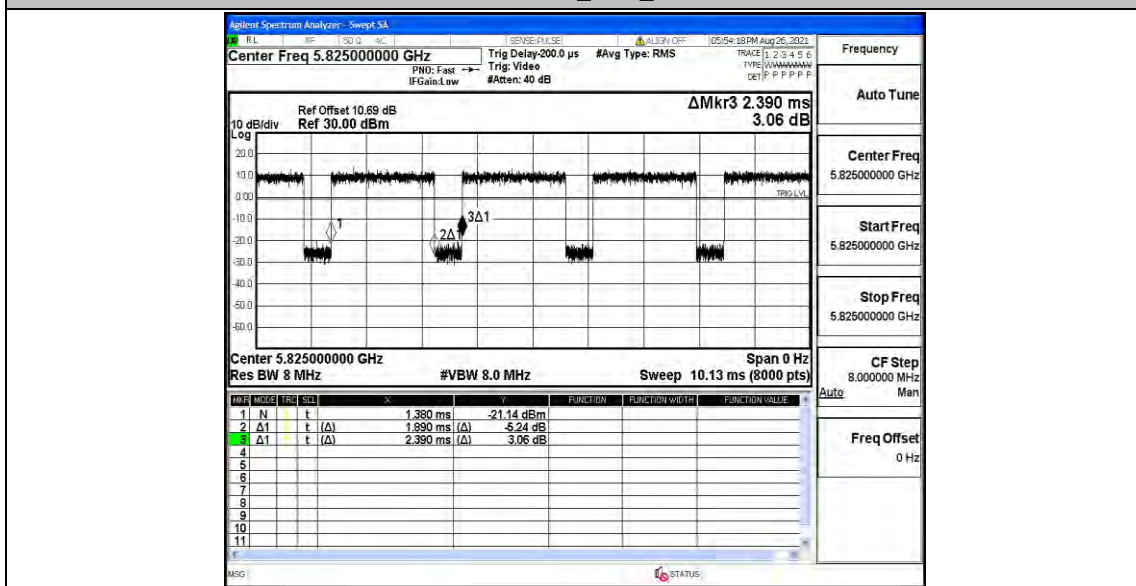
11N20MIMO_Ant1_5785



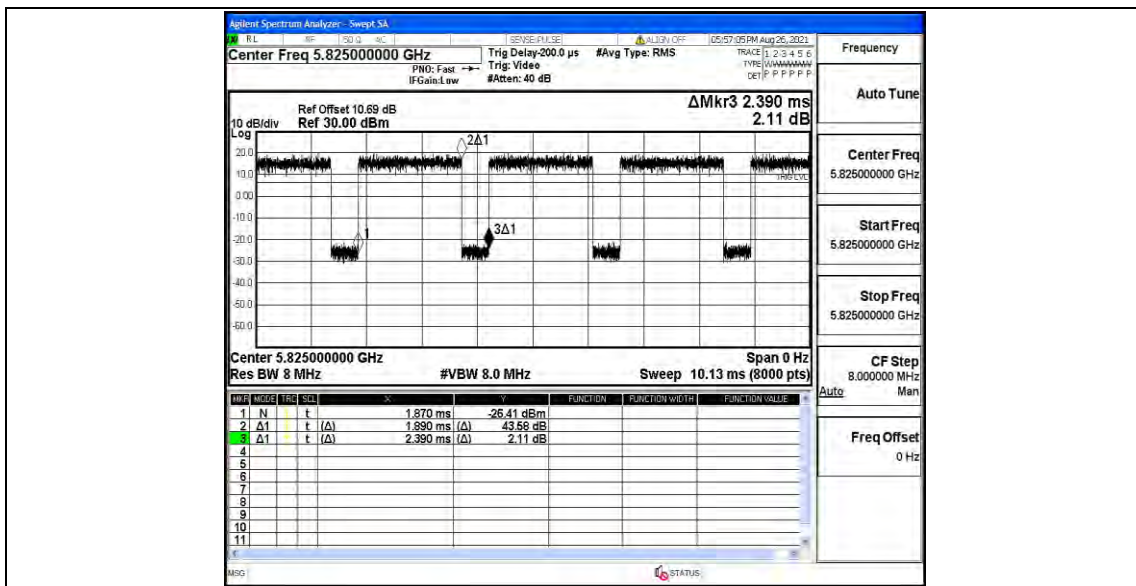
11N20MIMO_Ant2_5785



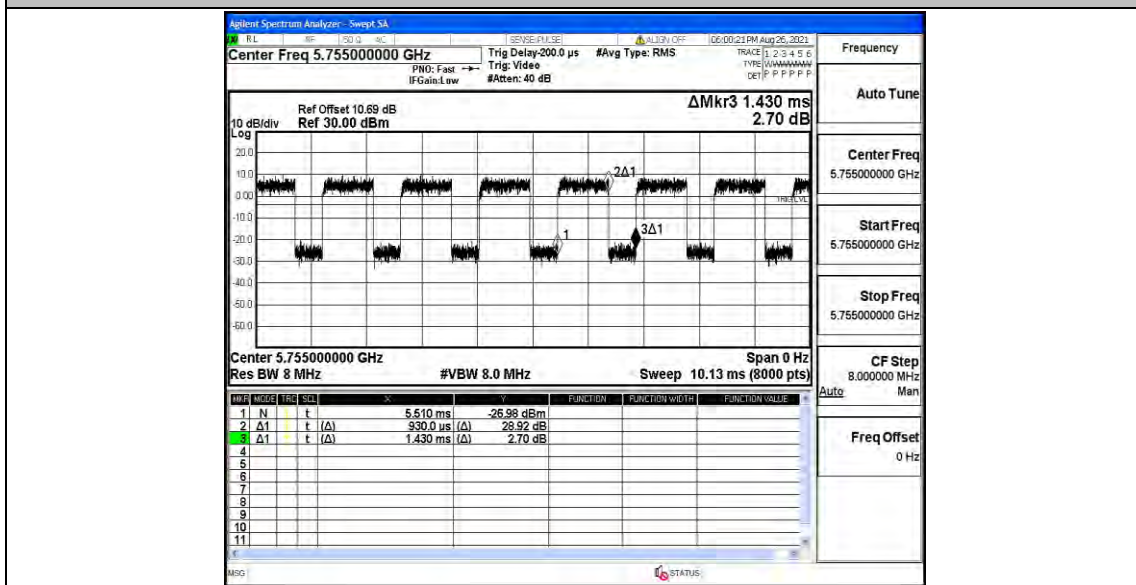
11N20MIMO_Ant1_5825



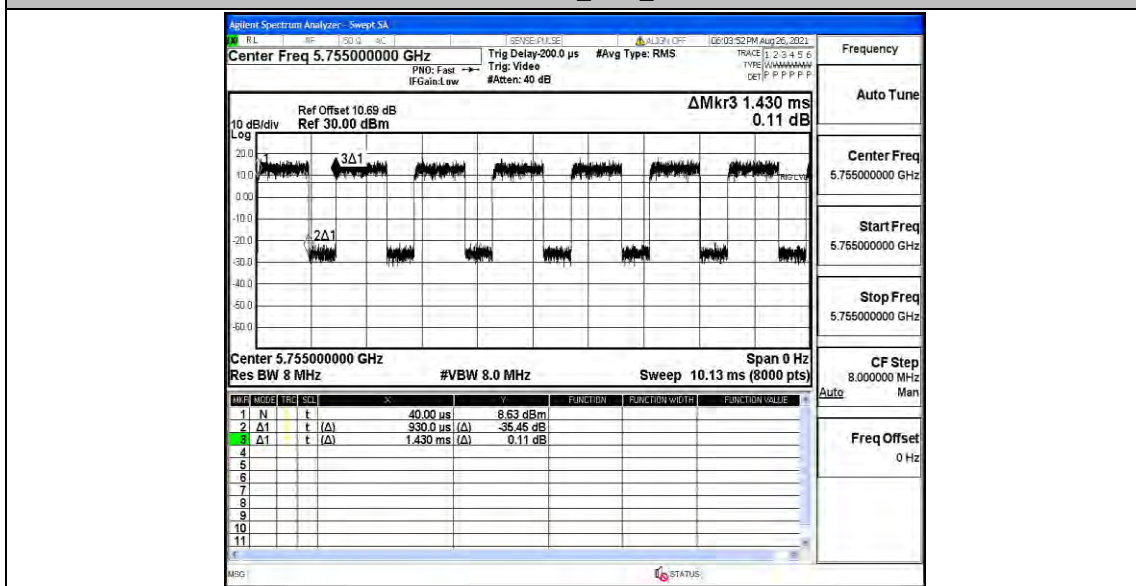
11N20MIMO_Ant2_5825



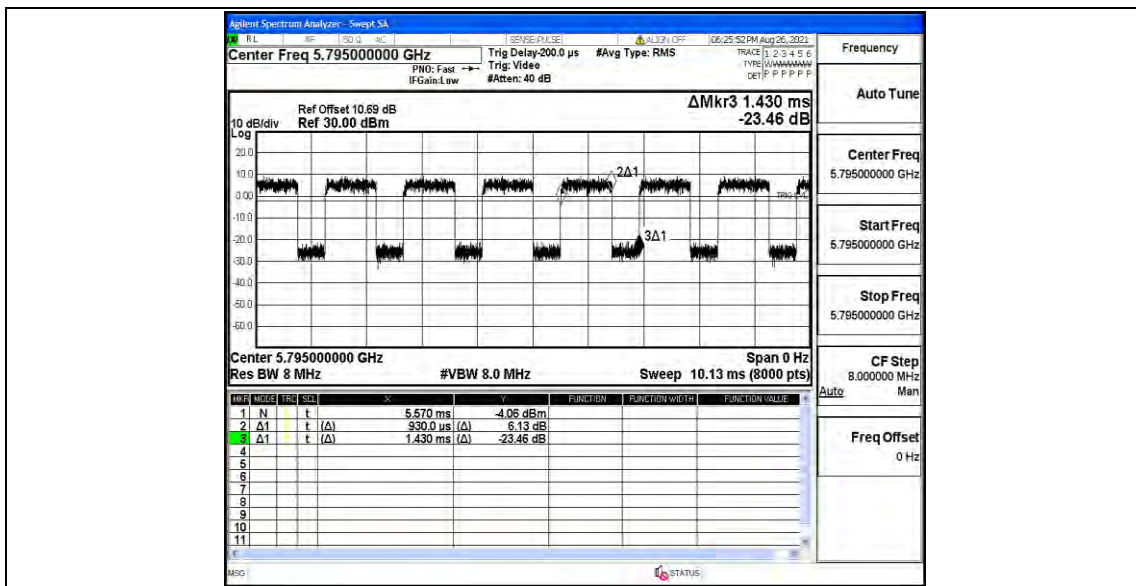
11N40MIMO_Ant1_5755



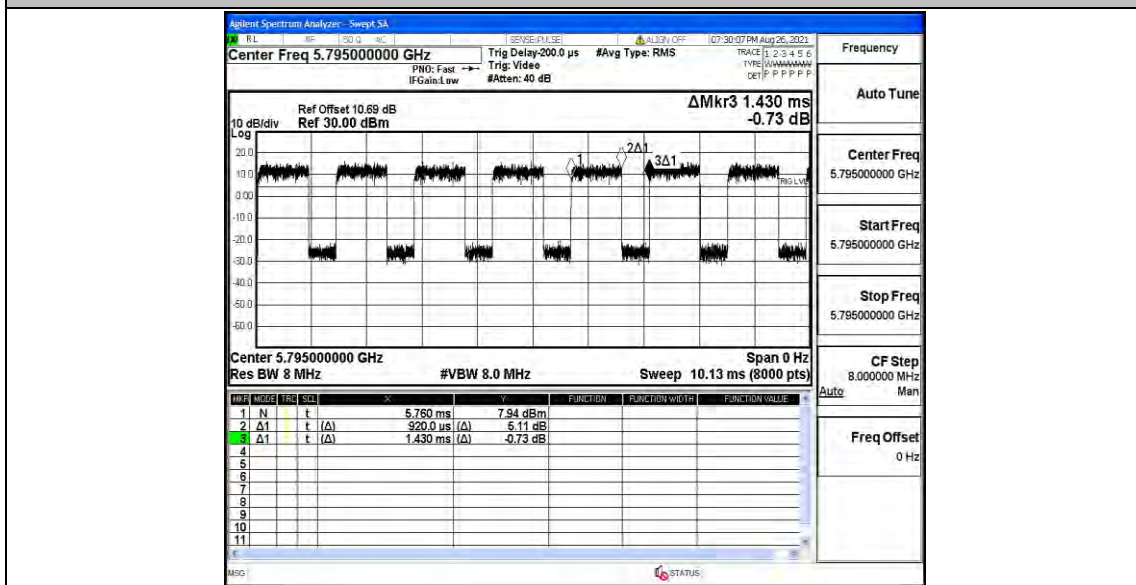
11N40MIMO_Ant2_5755



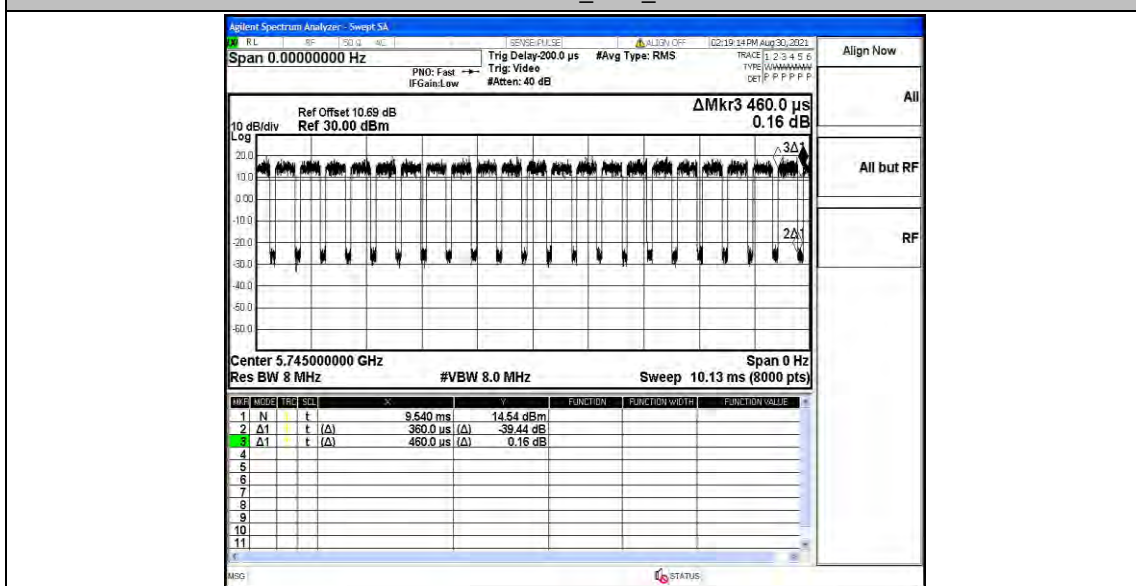
11N40MIMO_Ant1_5795



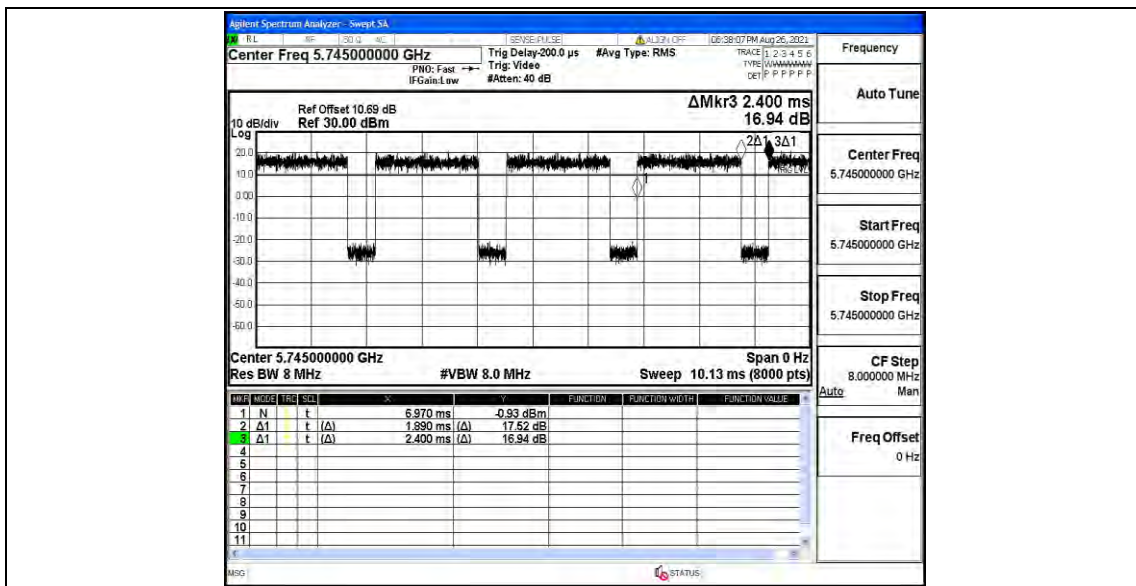
11N40MIMO_Ant2_5795



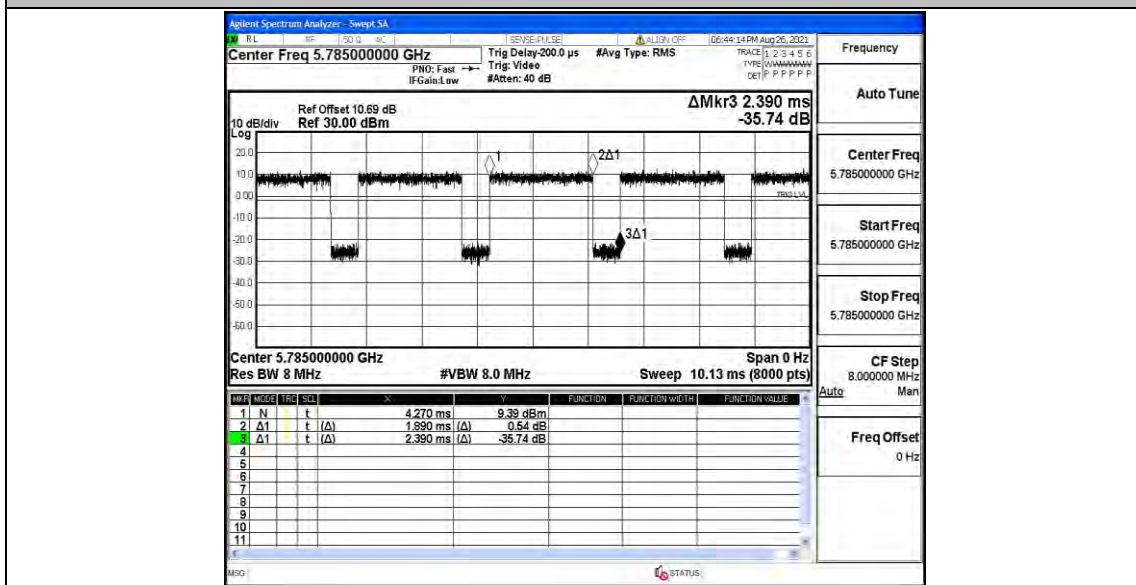
1AC20MIMO_Ant1_5745



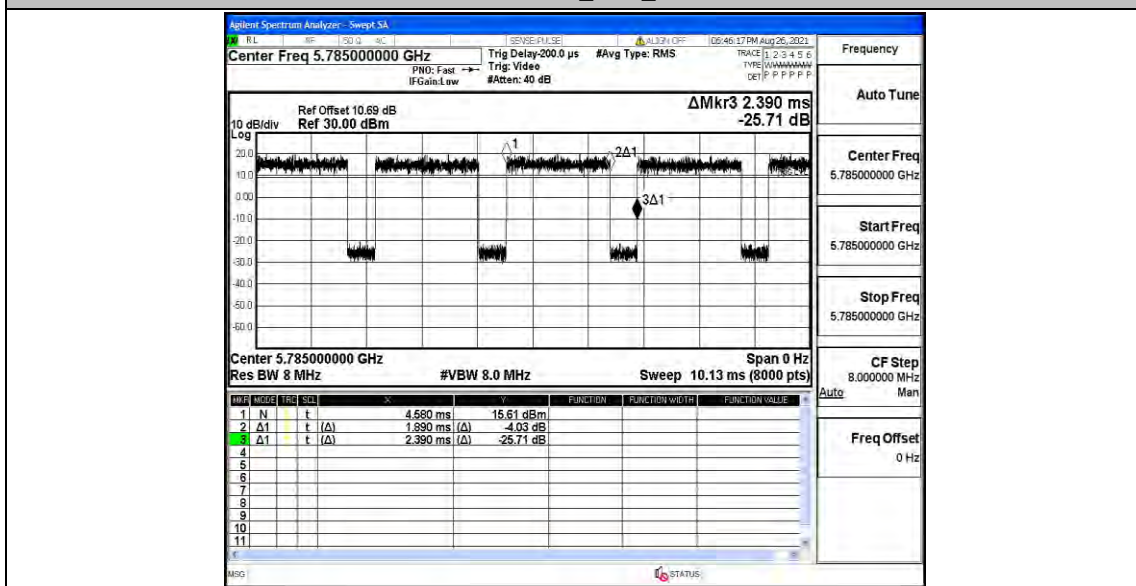
1AC20MIMO_Ant2_5745



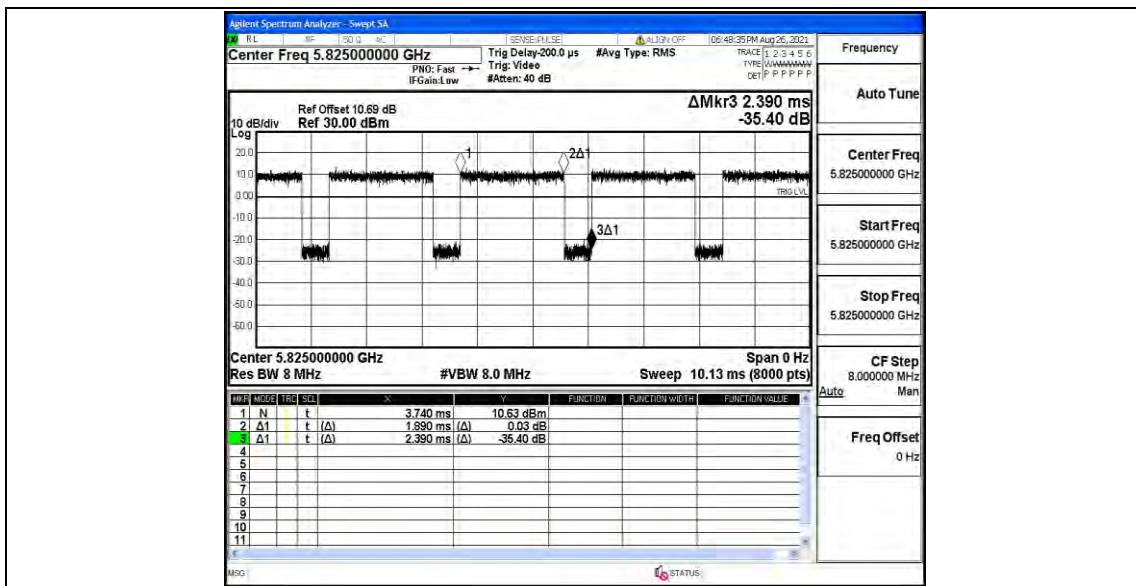
1AC20MIMO_Ant1_5785



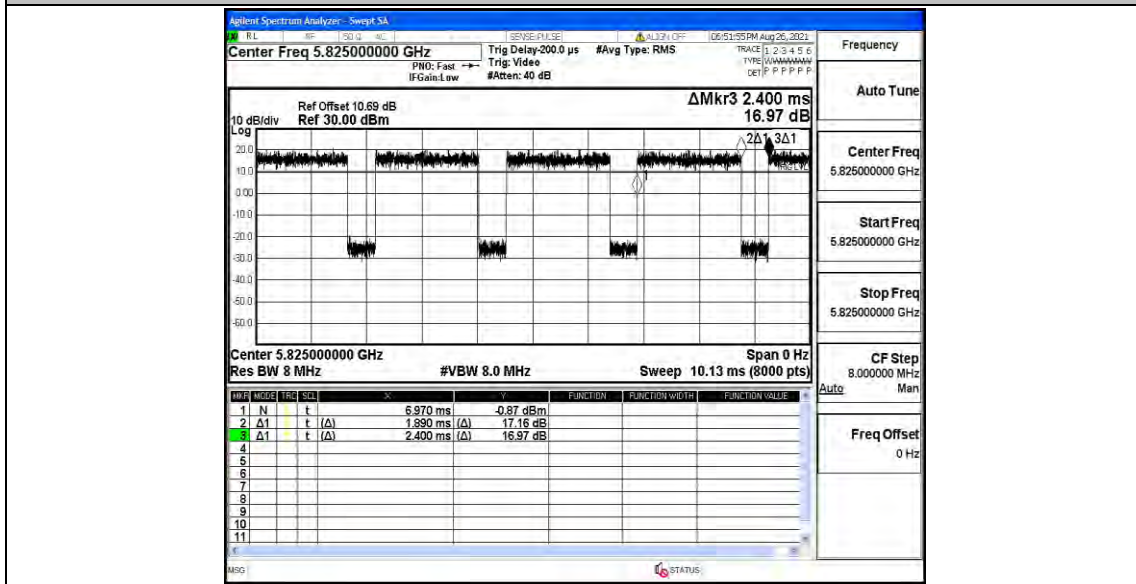
1AC20MIMO_Ant2_5785



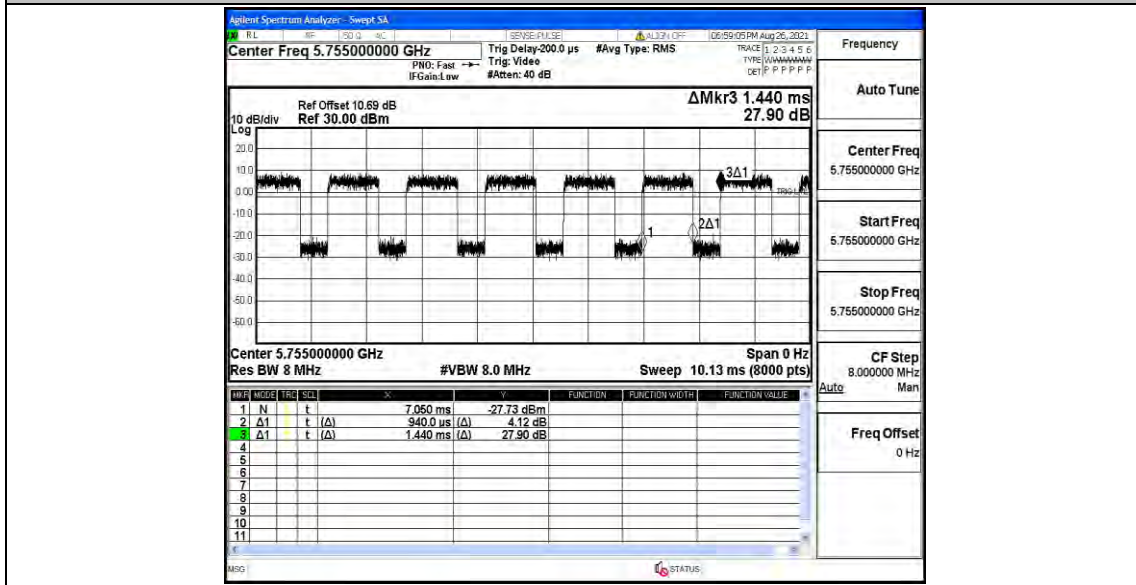
1AC20MIMO_Ant1_5825



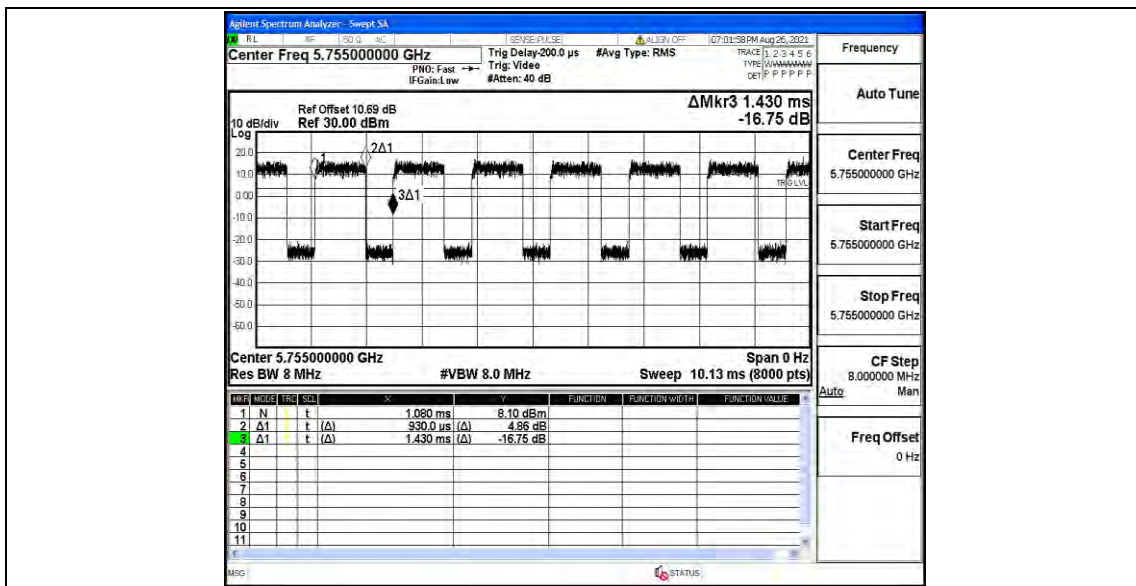
1AC20MIMO_Ant2_5825



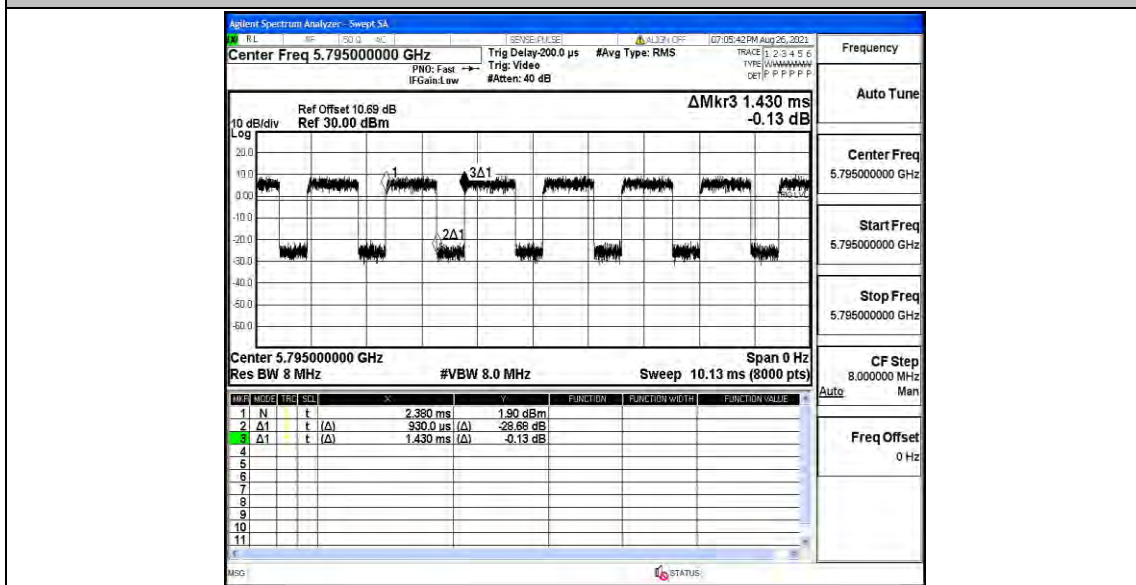
11AC40MIMO_Ant1_5755



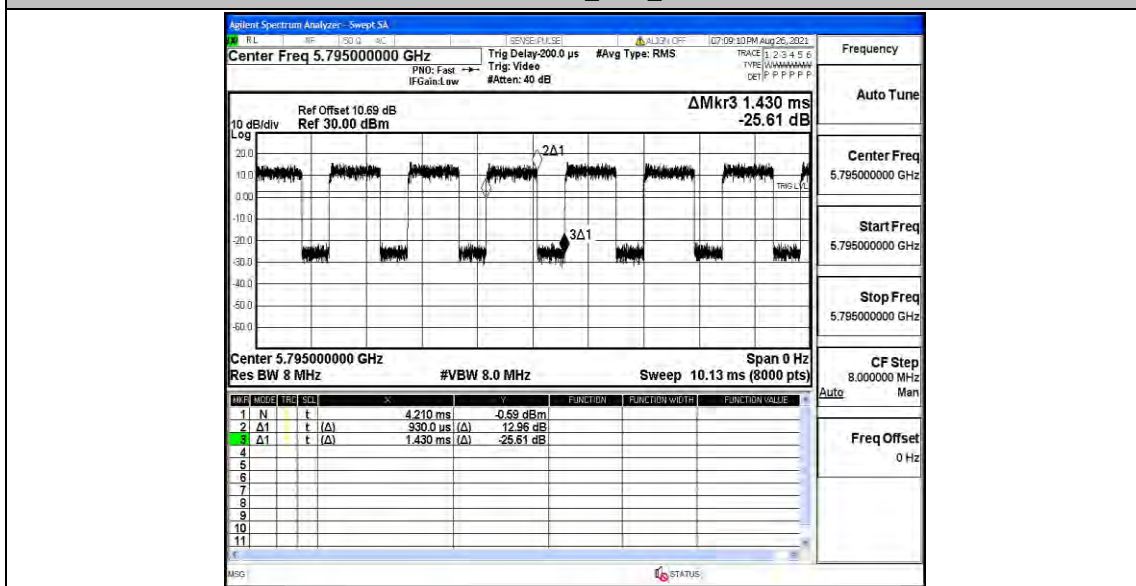
11AC40MIMO_Ant2_5755



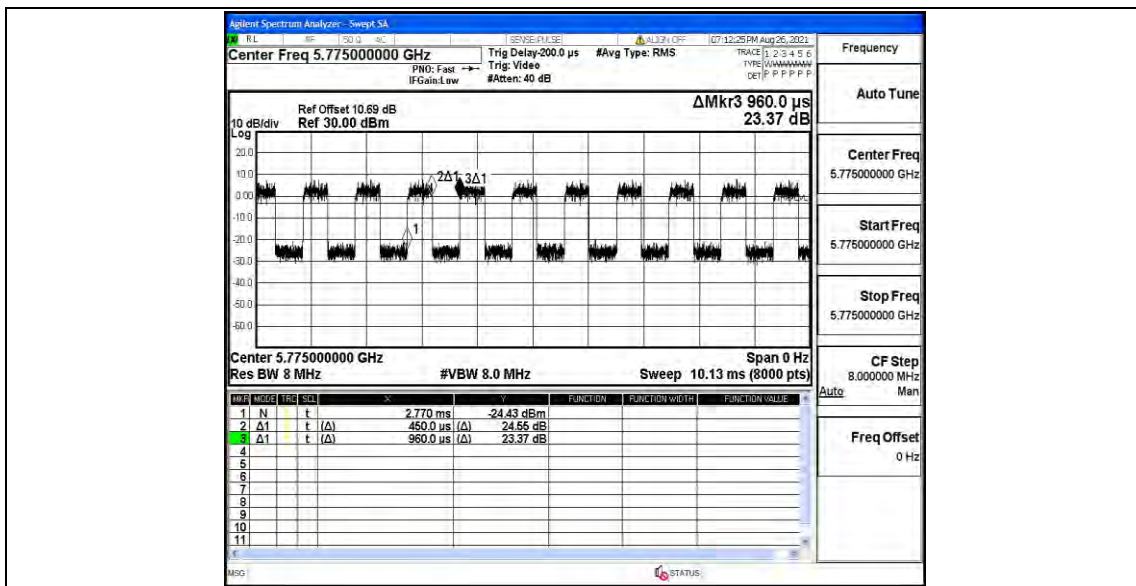
11AC40MIMO_Ant1_5795



11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

