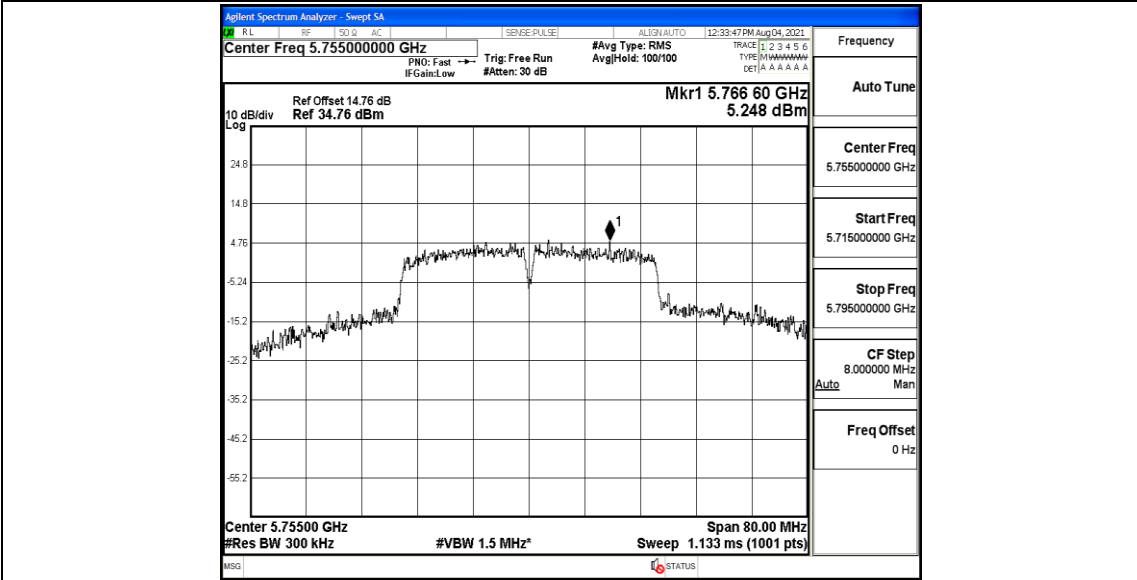
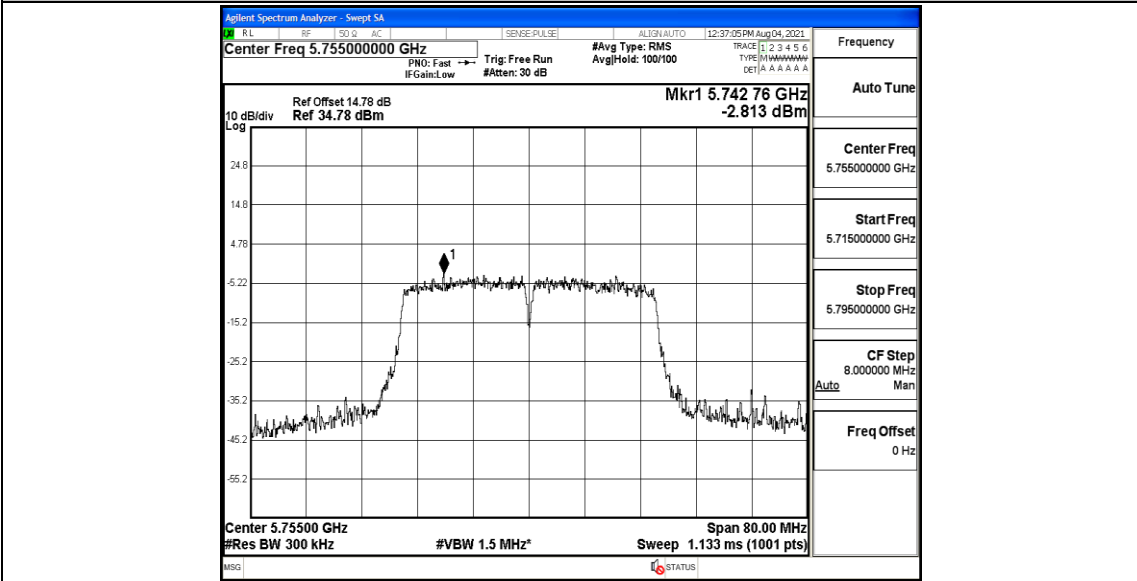


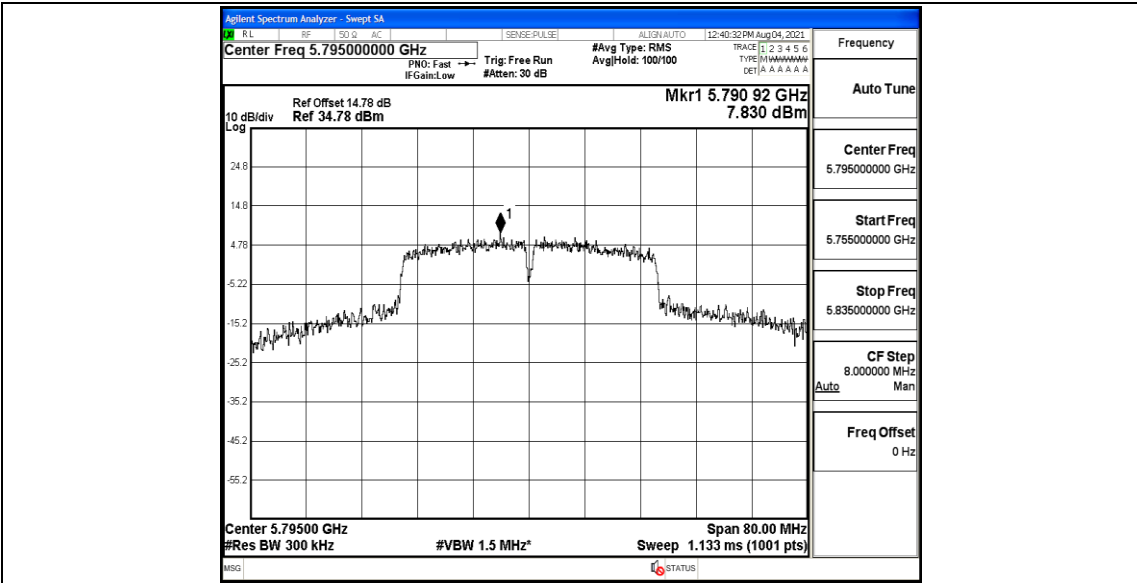
11AC40MIMO\_Ant1\_5755



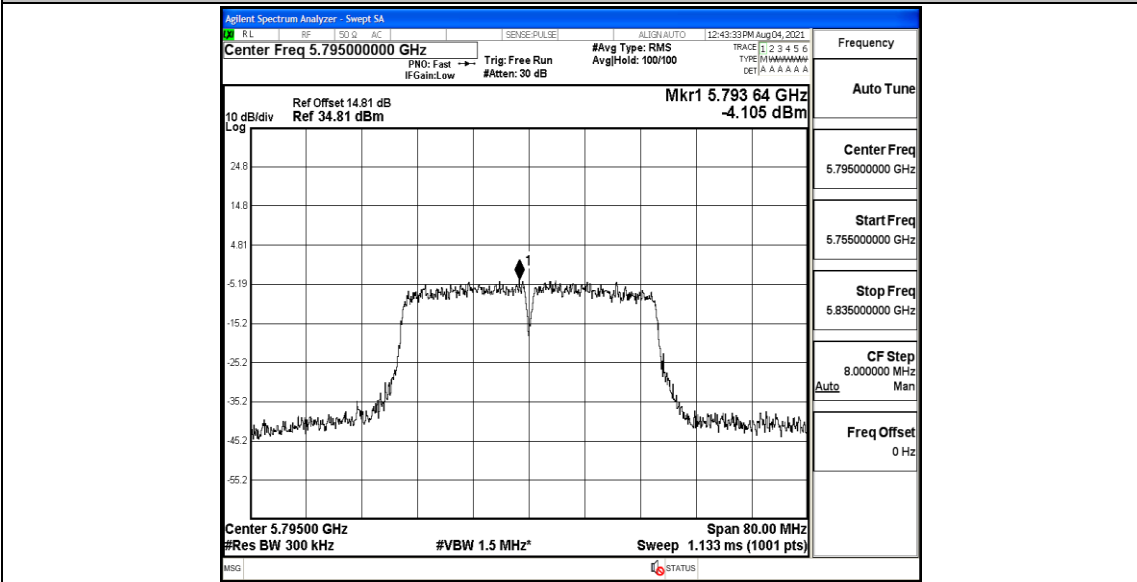
11AC40MIMO\_Ant2\_5755



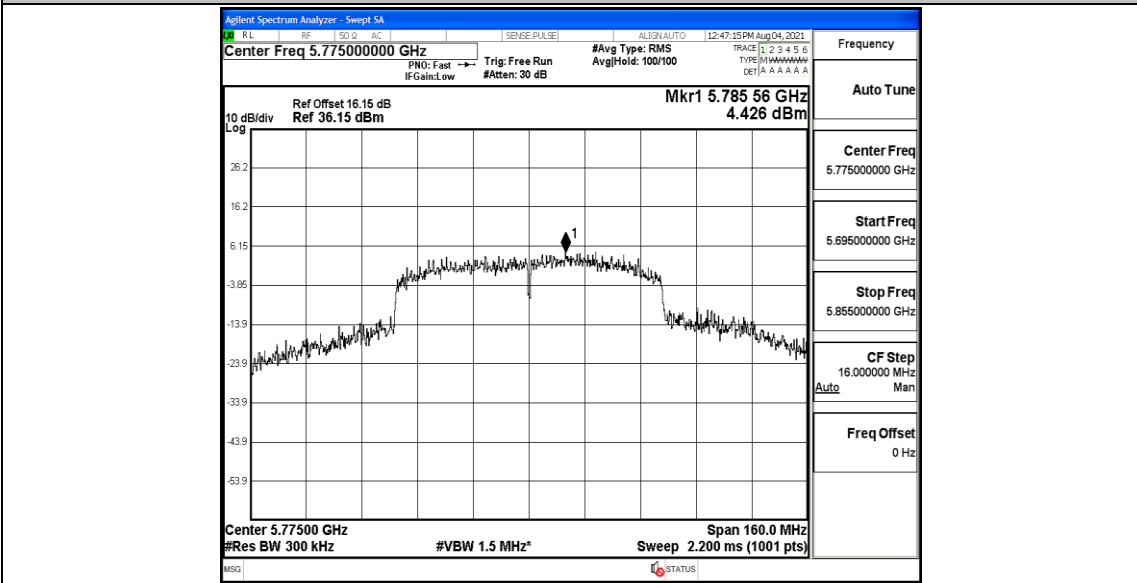
11AC40MIMO\_Ant1\_5795



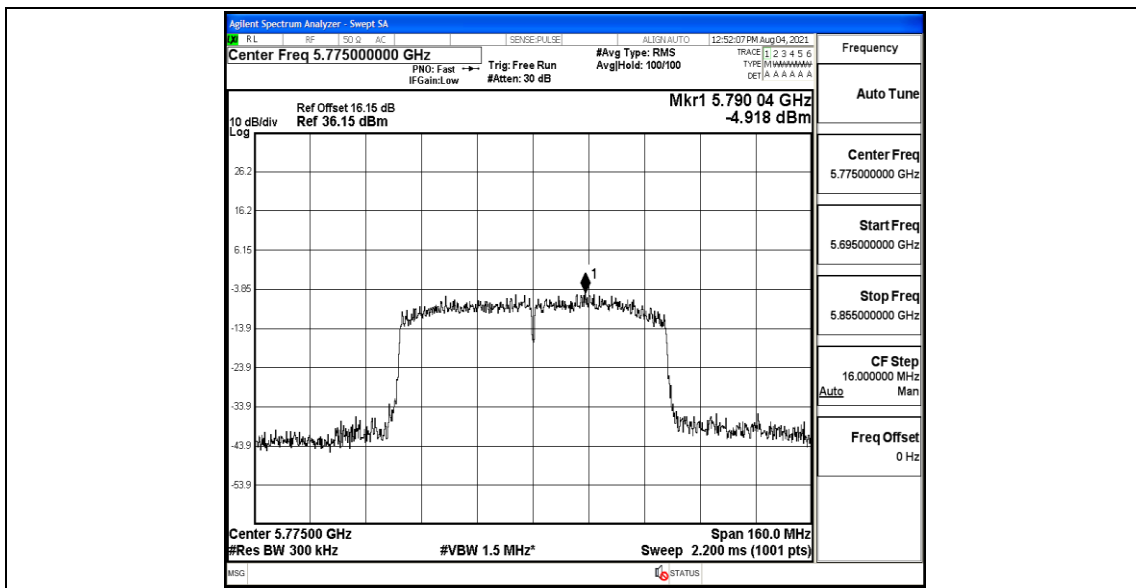
11AC40MIMO\_Ant2\_5795



11AC80MIMO\_Ant1\_5775



11AC80MIMO\_Ant2\_5775



## Appendix D: Band edge measurements

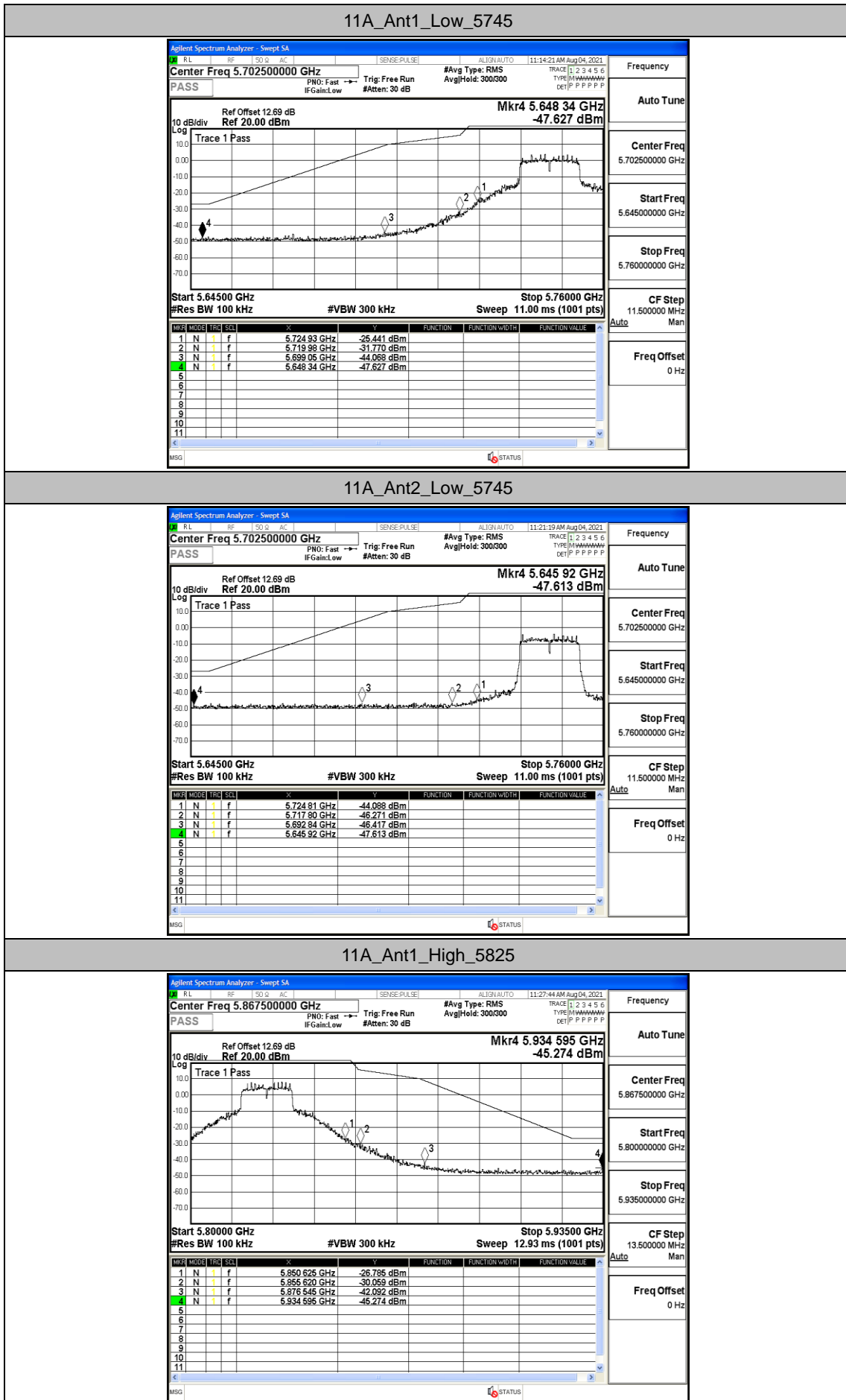
### Test Result

TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict	
11A	Ant1	Low	5745	5650~5700	-44.07	≤9.30	PASS
				5700~5720	-31.77	≤15.59	PASS
				5720~5725	-25.44	≤26.83	PASS
				5760~5650	-47.63	≤-27	PASS
	Ant2	Low	5745	5650~5700	-46.42	≤4.70	PASS
				5700~5720	-46.27	≤14.98	PASS
				5720~5725	-44.09	≤26.57	PASS
				5760~5650	-47.61	≤-27	PASS
	Ant1	High	5825	5850~5855	-26.79	≤17.03	PASS
				5855~5875	-30.06	≤10.17	PASS
				5875~5925	-42.09	≤-25.86	PASS
				5925~5935	-45.27	≤-27	PASS
	Ant2	High	5825	5850~5855	-44.84	≤19.49	PASS
				5855~5875	-45.72	≤10.17	PASS
				5875~5925	-44.86	≤7.91	PASS
				5925~5935	-46.52	≤-27	PASS
11N20MI MO	Ant1	Low	5745	5650~5700	-42.91	≤9.47	PASS
				5700~5720	-28.26	≤15.53	PASS
				5720~5725	-22.59	≤26.04	PASS
				5760~5650	-47.91	≤-27	PASS
	Ant2	Low	5745	5650~5700	-46.06	≤-9.00	PASS
				5700~5720	-44.03	≤15.53	PASS
				5720~5725	-42.8	≤26.30	PASS
				5760~5650	-47.37	≤-27	PASS
	Ant1	High	5825	5850~5855	-24.01	≤16.41	PASS
				5855~5875	-27.27	≤10.06	PASS
				5875~5925	-40.44	≤-26.96	PASS
				5925~5935	-45.52	≤-27	PASS
	Ant2	High	5825	5850~5855	-41.61	≤17.03	PASS
				5855~5875	-44.58	≤10.59	PASS
				5875~5925	-45.46	≤6.91	PASS
				5925~5935	-45.91	≤-27	PASS
11N40MI MO	Ant1	Low	5755	5650~5700	-32.86	≤7.26	PASS
				5700~5720	-20.66	≤14.90	PASS
				5720~5725	-19.6	≤21.28	PASS
				5780~5650	-46.68	≤-27	PASS

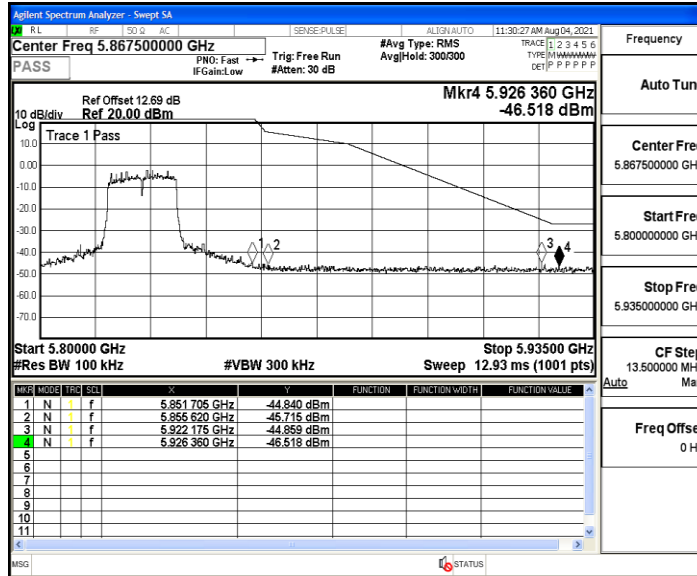
	Ant2	Low	5755	5650~5700	-45.98	≤8.22	PASS
				5700~5720	-44.41	≤15.28	PASS
				5720~5725	-40.84	≤24.36	PASS
				5780~5650	-47.34	≤-27	PASS
	Ant1	High	5795	5850~5855	-27.87	≤21.30	PASS
				5855~5875	-33.52	≤10.18	PASS
				5875~5925	-37.87	≤-25.09	PASS
				5925~5935	-46.57	≤-27	PASS
	Ant2	High	5795	5850~5855	-45.51	≤26.94	PASS
				5855~5875	-45.77	≤14.84	PASS
				5875~5925	-46	≤-16.79	PASS
				5925~5935	-46.88	≤-27	PASS
11AC20M IMO	Ant1	Low	5745	5650~5700	-39.87	≤8.62	PASS
				5700~5720	-28.25	≤15.59	PASS
				5720~5725	-22.07	≤26.83	PASS
				5760~5650	-46.76	≤-27	PASS
	Ant2	Low	5745	5650~5700	-46.22	≤2.74	PASS
				5700~5720	-45.83	≤15.14	PASS
				5720~5725	-42.28	≤25.78	PASS
				5760~5650	-47.01	≤-27	PASS
	Ant1	High	5825	5850~5855	-24.2	≤19.80	PASS
				5855~5875	-27.29	≤10.48	PASS
				5875~5925	-38.36	≤-25.36	PASS
				5925~5935	-45.97	≤-27	PASS
	Ant2	High	5825	5850~5855	-42.77	≤22.87	PASS
				5855~5875	-44.16	≤10.06	PASS
				5875~5925	-45.95	≤-24.66	PASS
				5925~5935	-46.37	≤-27	PASS
11AC40M IMO	Ant1	Low	5755	5650~5700	-31.27	≤8.86	PASS
				5700~5720	-20.03	≤15.58	PASS
				5720~5725	-19.42	≤15.74	PASS
				5780~5650	-46.73	≤-27	PASS
	Ant2	Low	5755	5650~5700	-45.72	≤8.56	PASS
				5700~5720	-43.95	≤14.63	PASS
				5720~5725	-38.72	≤26.20	PASS
				5780~5650	-46.2	≤-27	PASS
	Ant1	High	5795	5850~5855	-30.56	≤21.30	PASS
				5855~5875	-33.6	≤10.69	PASS
				5875~5925	-38.37	≤-25.09	PASS
				5925~5935	-46.39	≤-27	PASS
	Ant2	High	5795	5850~5855	-46.33	≤17.16	PASS
				5855~5875	-46.02	≤11.89	PASS
				5875~5925	-46.09	≤-25.09	PASS
				5925~5935	-46.51	≤-27	PASS
11AC80M IMO	Ant1	Low	5775	5650~5700	-25.38	≤0.73	PASS
				5700~5720	-20.75	≤14.91	PASS

		High	5775	5720~5725	-20.21	$\leq 18.47$	PASS
				5800~5650	-40.49	$\leq -27$	PASS
				5850~5855	-22.82	$\leq 17.90$	PASS
				5855~5875	-23.29	$\leq 10.33$	PASS
				5875~5925	-30.32	$\leq -26.68$	PASS
				5925~5935	-42.95	$\leq -27$	PASS
	Ant2	Low	5775	5650~5700	-45.87	$\leq 9.33$	PASS
				5700~5720	-43.96	$\leq 15.17$	PASS
				5720~5725	-42.81	$\leq 19.18$	PASS
				5800~5650	-47.57	$\leq -27$	PASS
		High	5775	5850~5855	-43.33	$\leq 16.22$	PASS
				5855~5875	-42.63	$\leq 11.58$	PASS
				5875~5925	-44.57	$\leq -24.08$	PASS
				5925~5935	-46.37	$\leq -27$	PASS

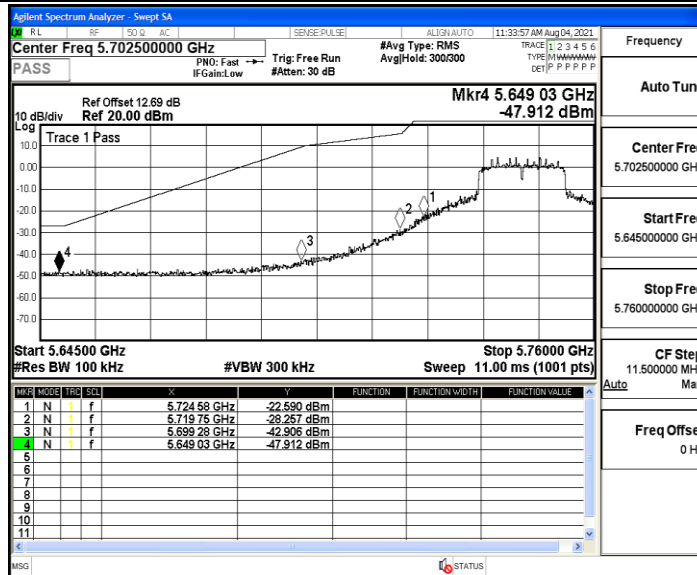
Test Graphs



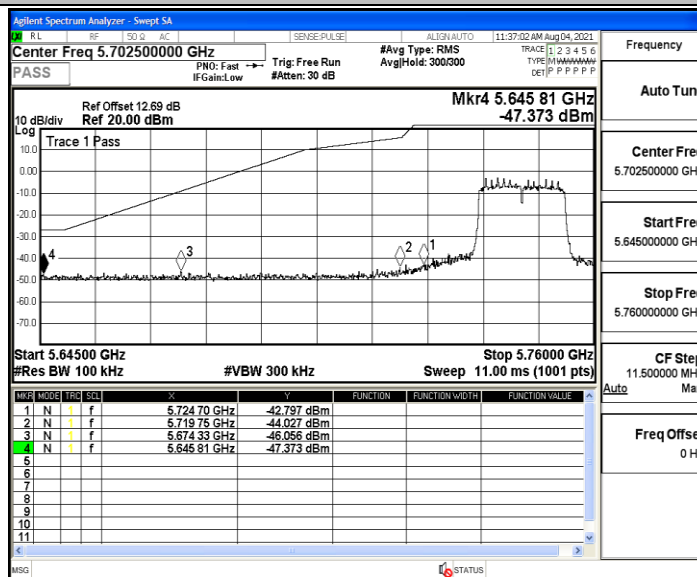
11A\_Ant2\_High\_5825



11N20MIMO\_Ant1\_Low\_5745

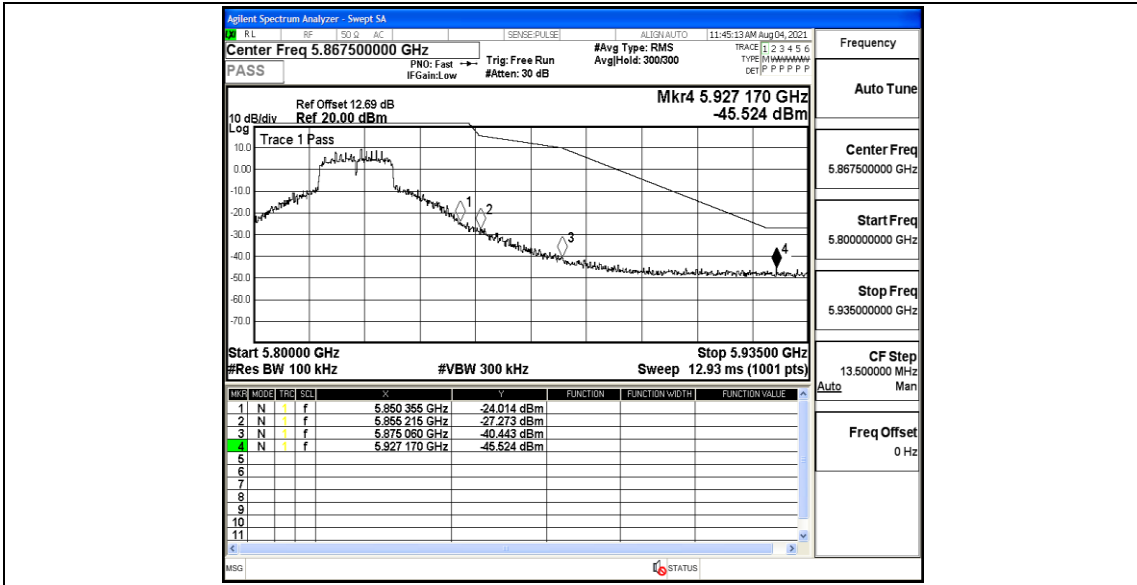


11N20MIMO\_Ant2\_Low\_5745

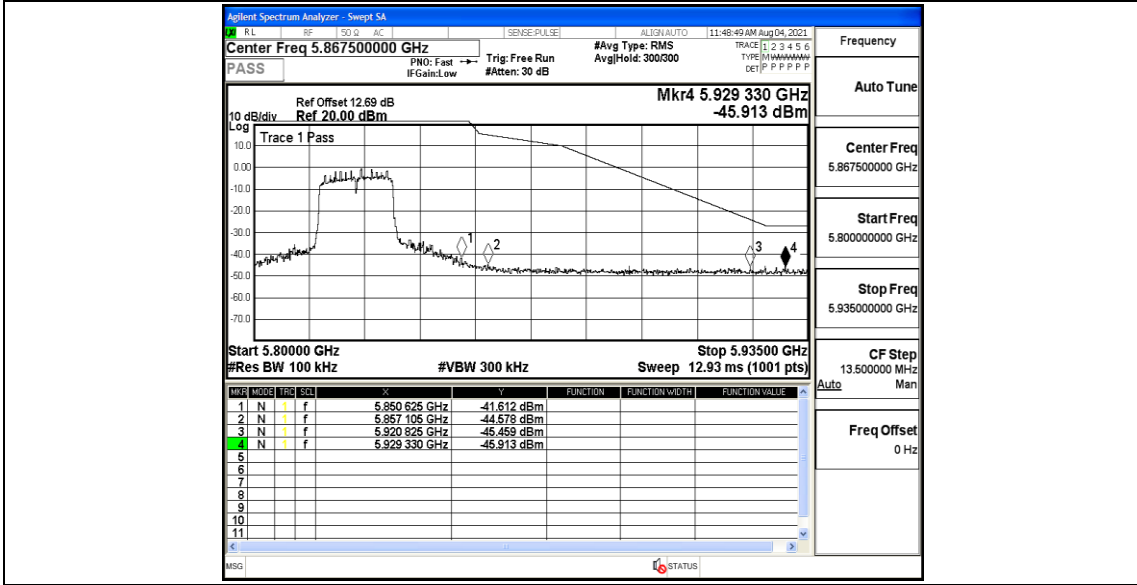


11N20MIMO\_Ant1\_High\_5825

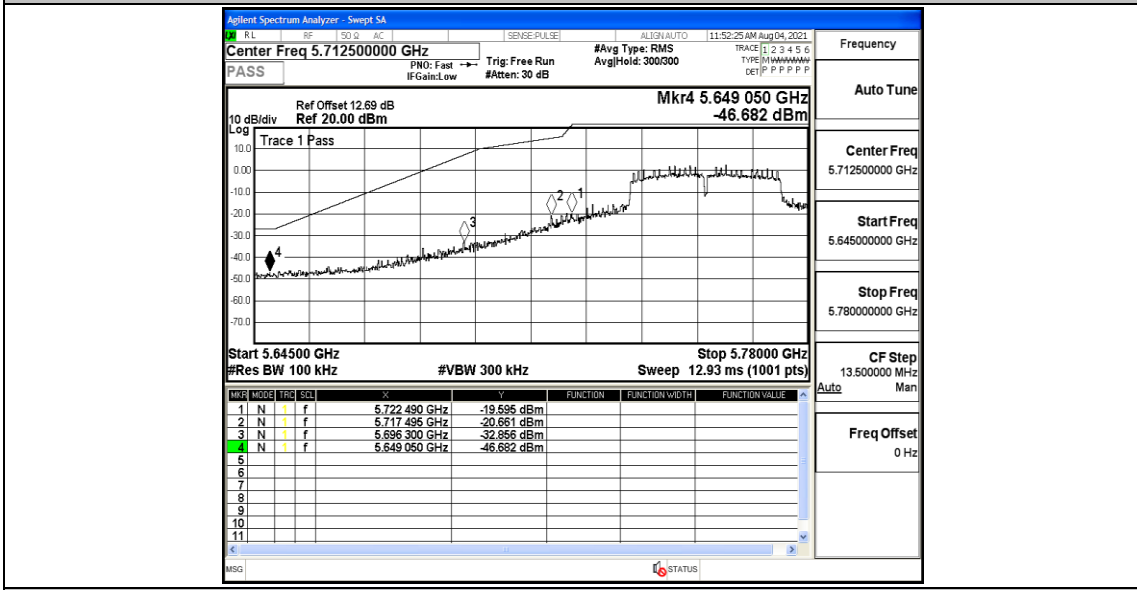




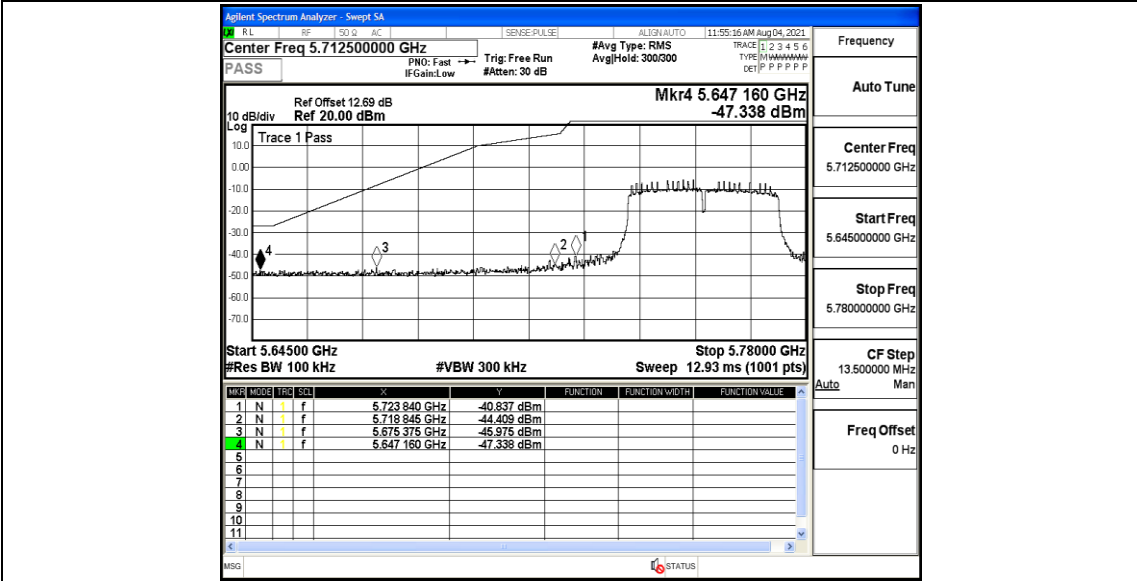
11N20MIMO\_Ant2\_High\_5825



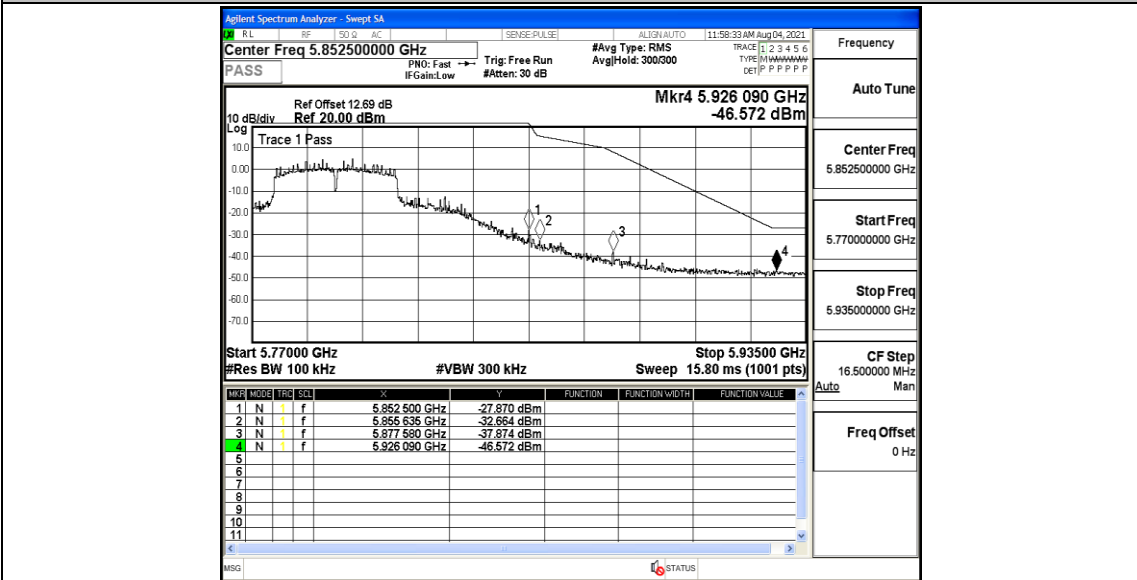
11N40MIMO\_Ant1\_Low\_5755



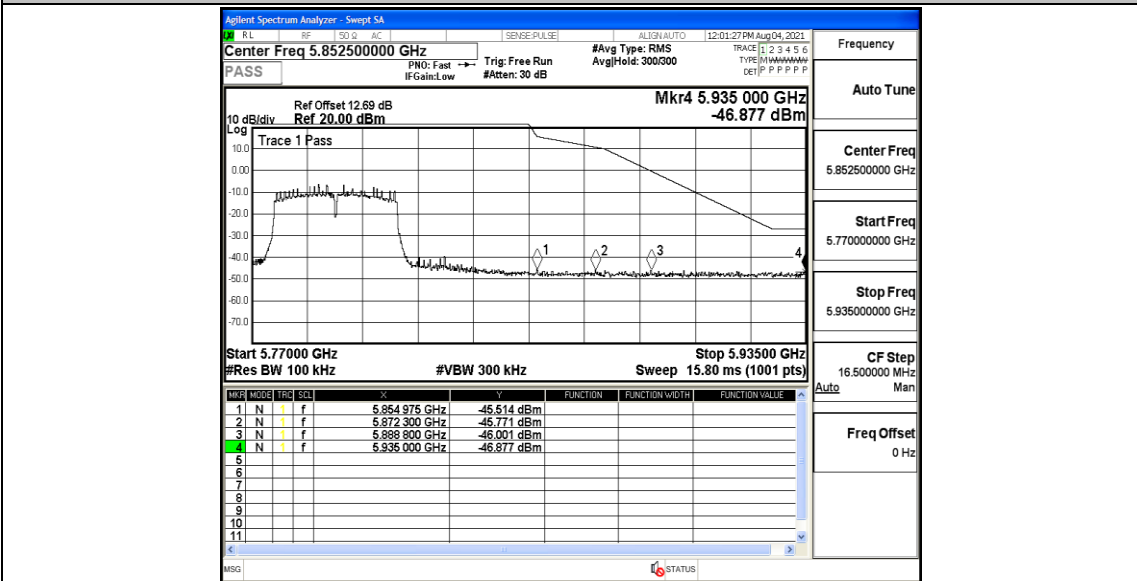
11N40MIMO\_Ant2\_Low\_5755



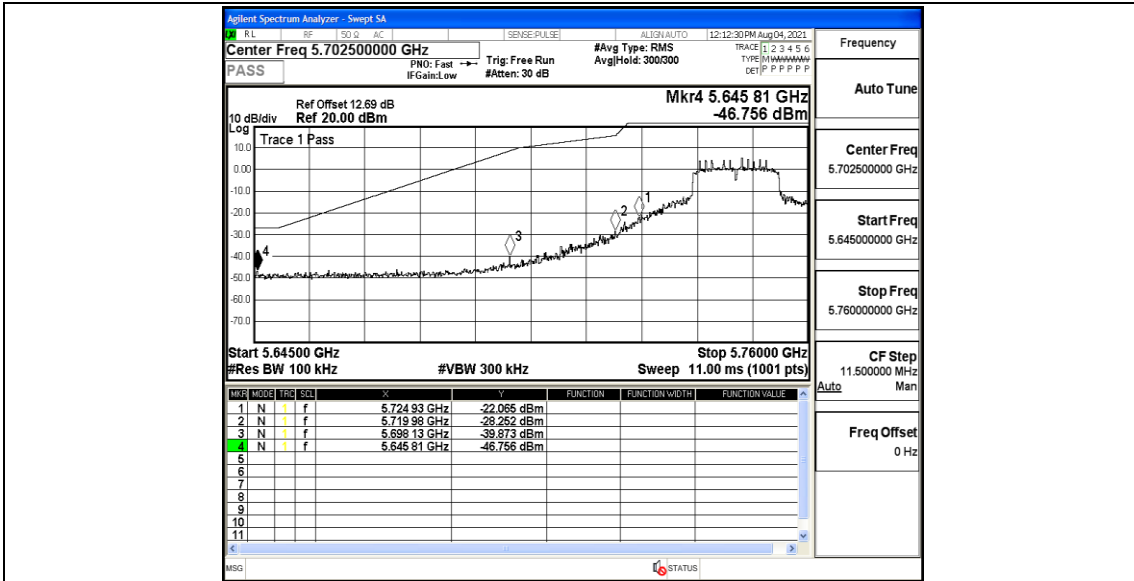
11N40MIMO\_Ant1\_High\_5795



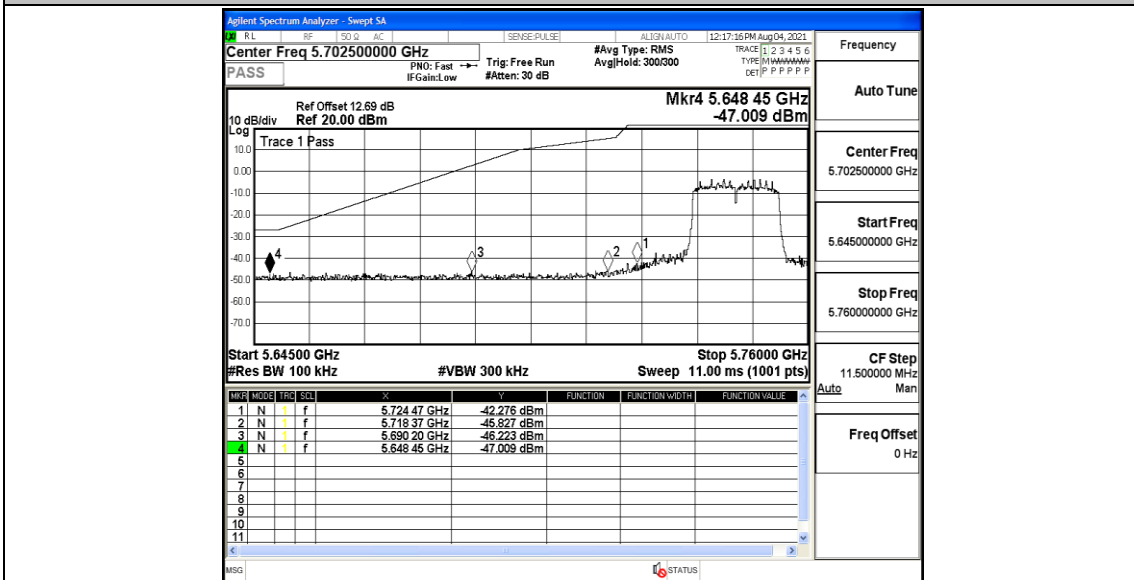
11N40MIMO\_Ant2\_High\_5795



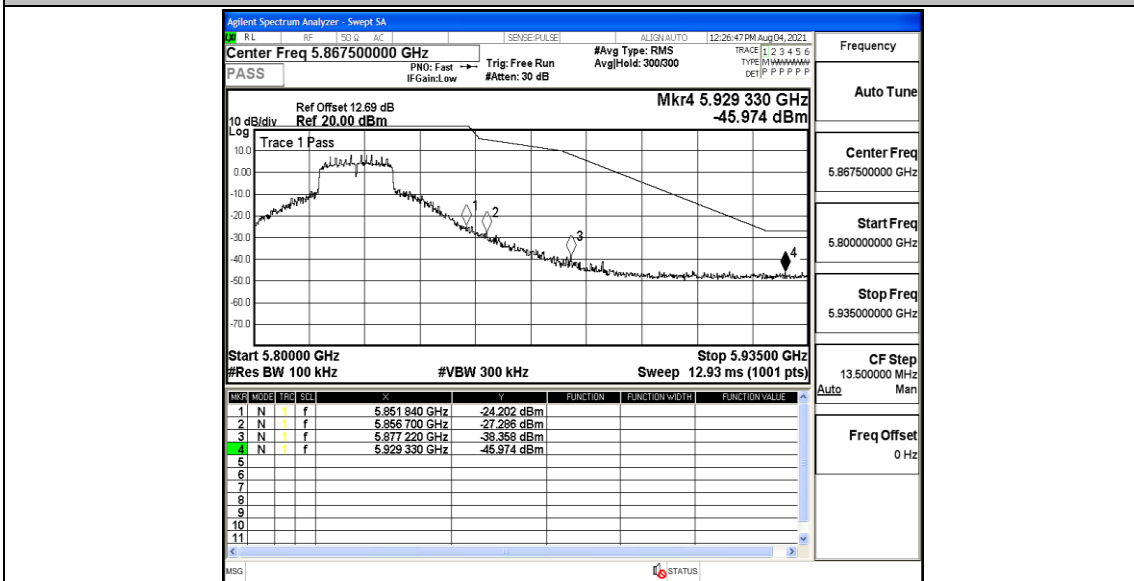
11A20MIMO\_Ant1\_Low\_5745



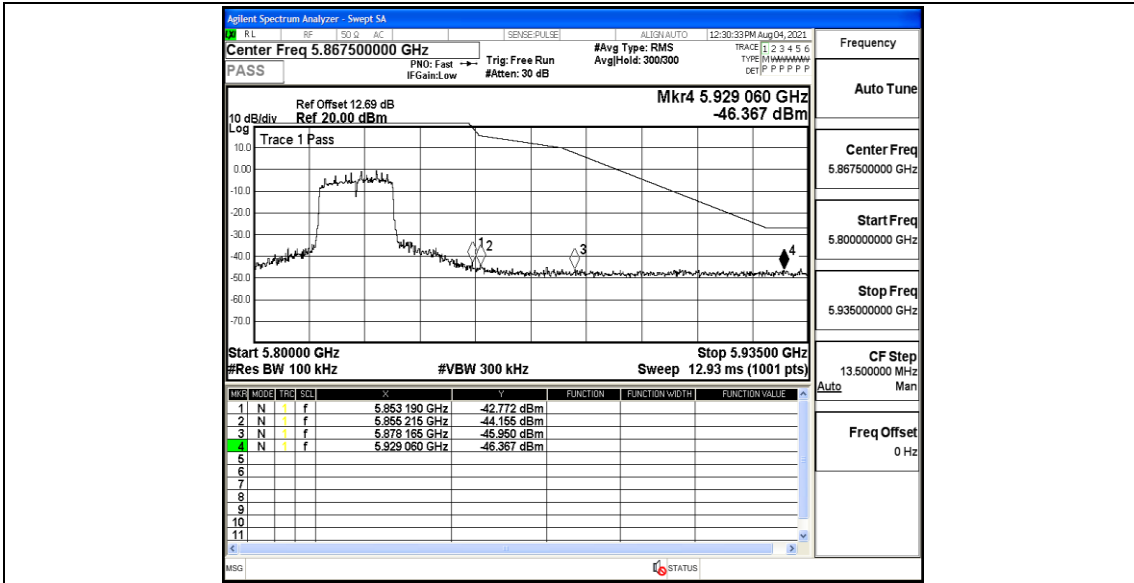
11AC20MIMO\_Ant2\_Low\_5745



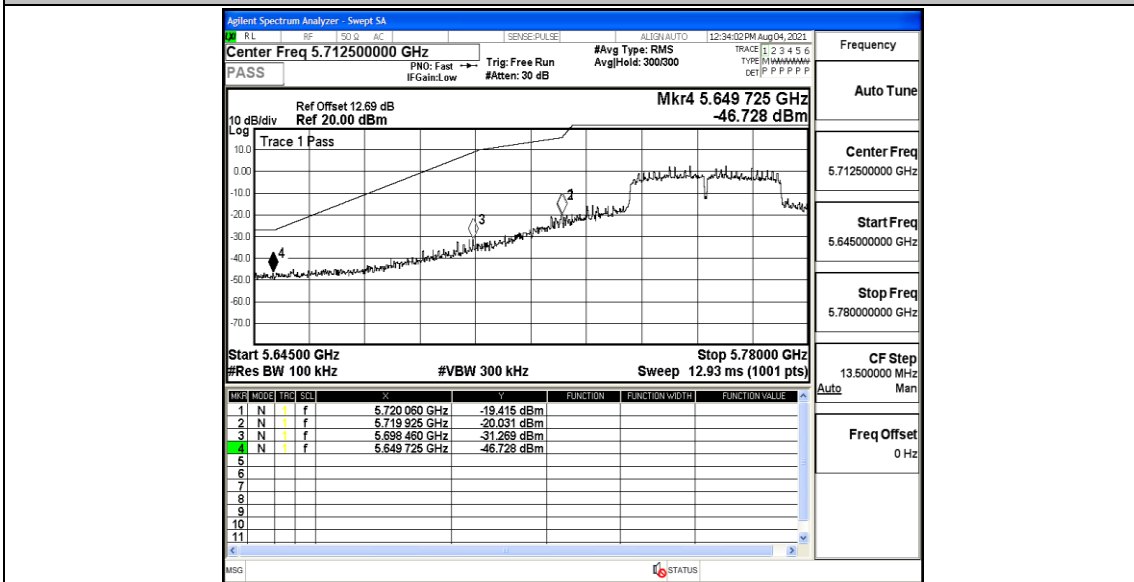
11AC20MIMO\_Ant1\_High\_5825



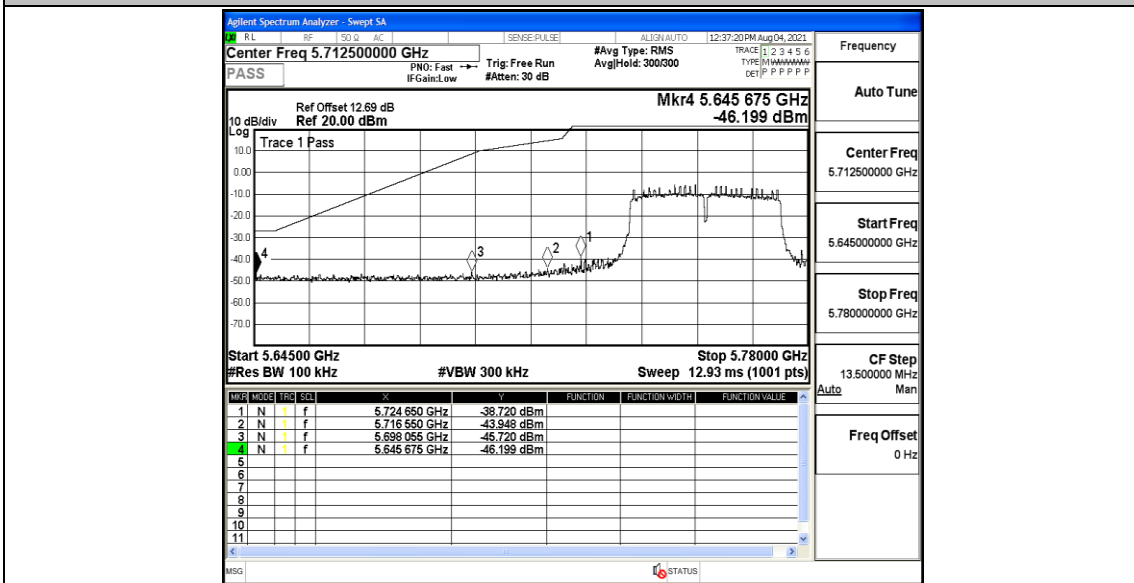
11AC20MIMO\_Ant2\_High\_5825



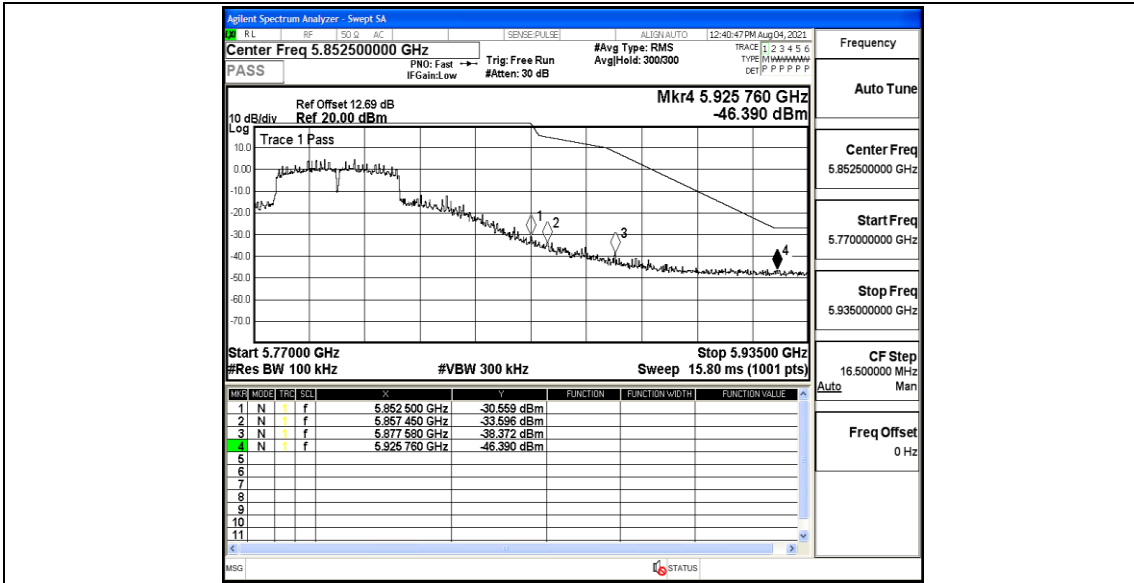
11AC40MIMO\_Ant1\_Low\_5755



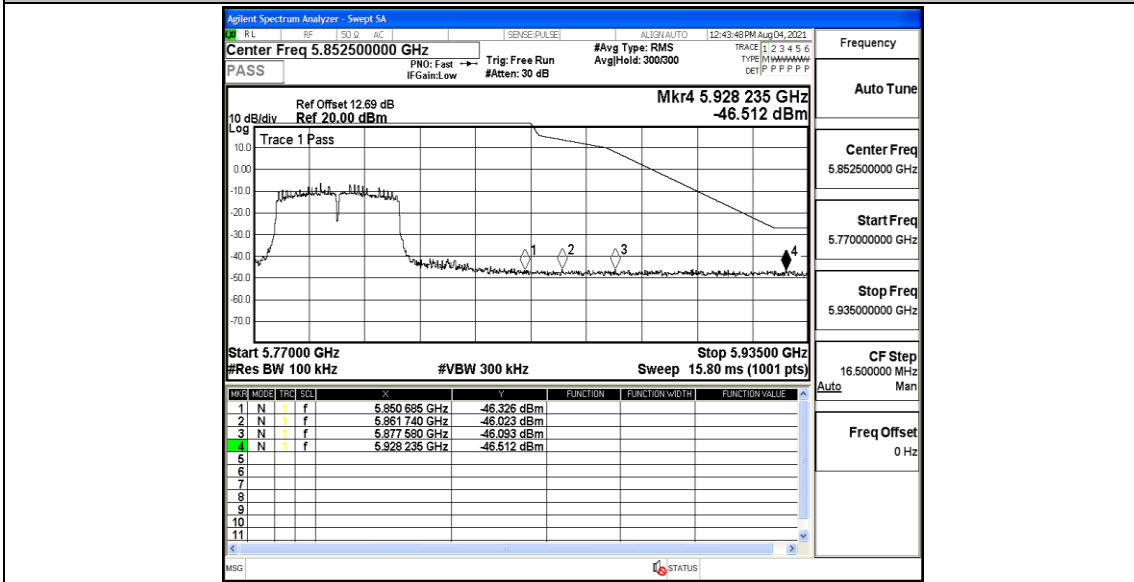
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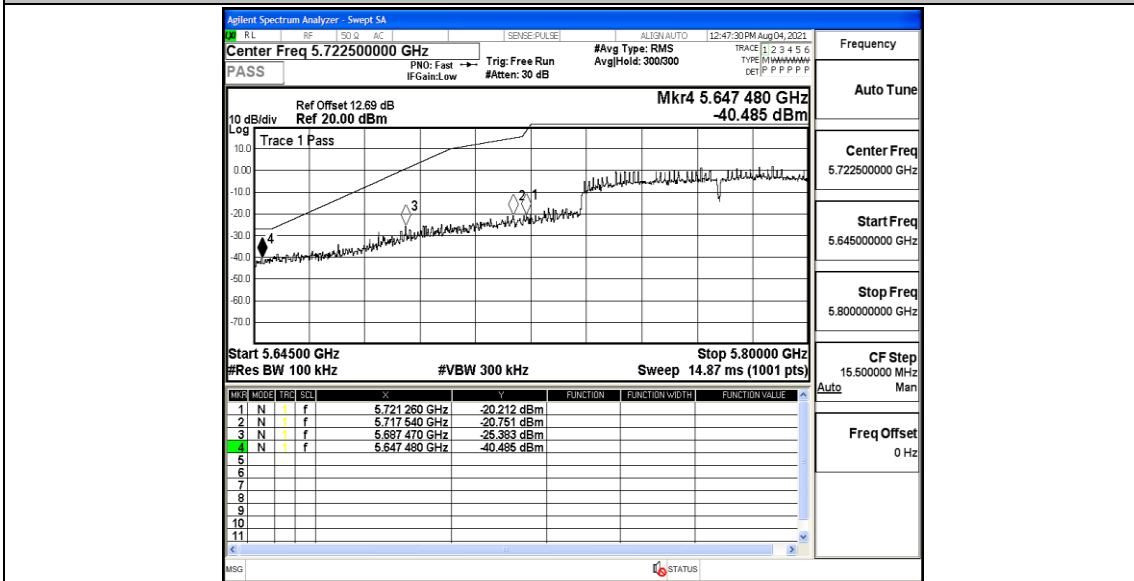
11AC40MIMO\_Ant1\_High\_5795



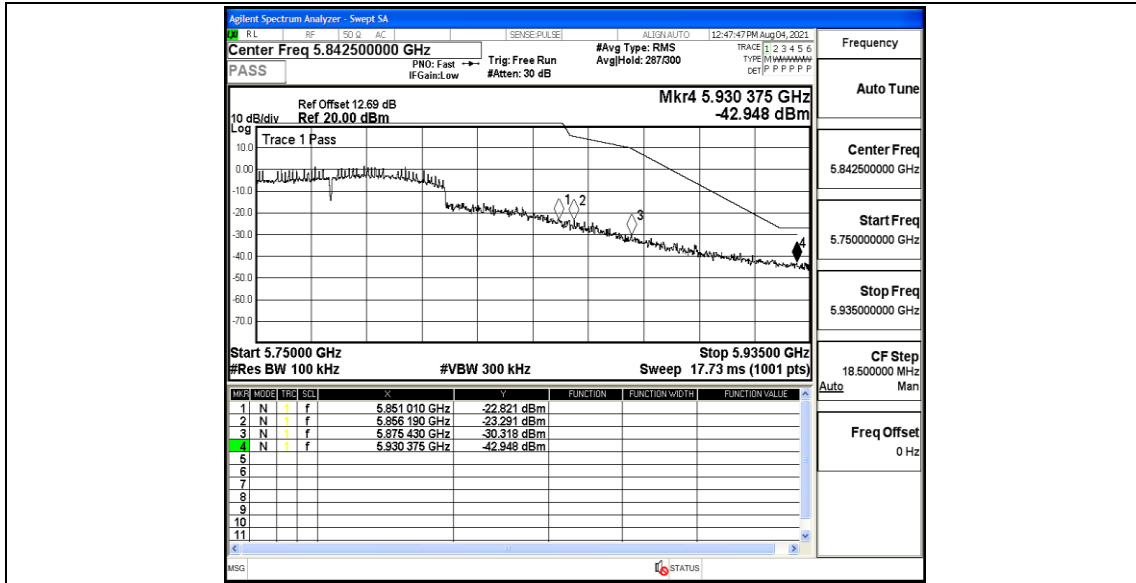
11AC40MIMO\_Ant2\_High\_5795



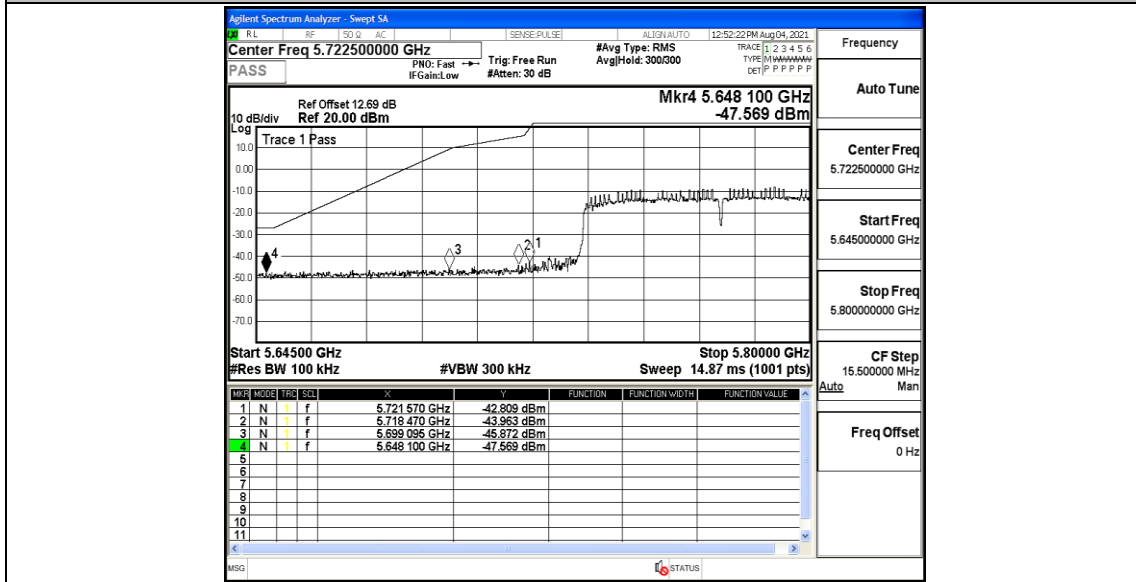
11AC80MIMO\_Ant1\_Low\_5775



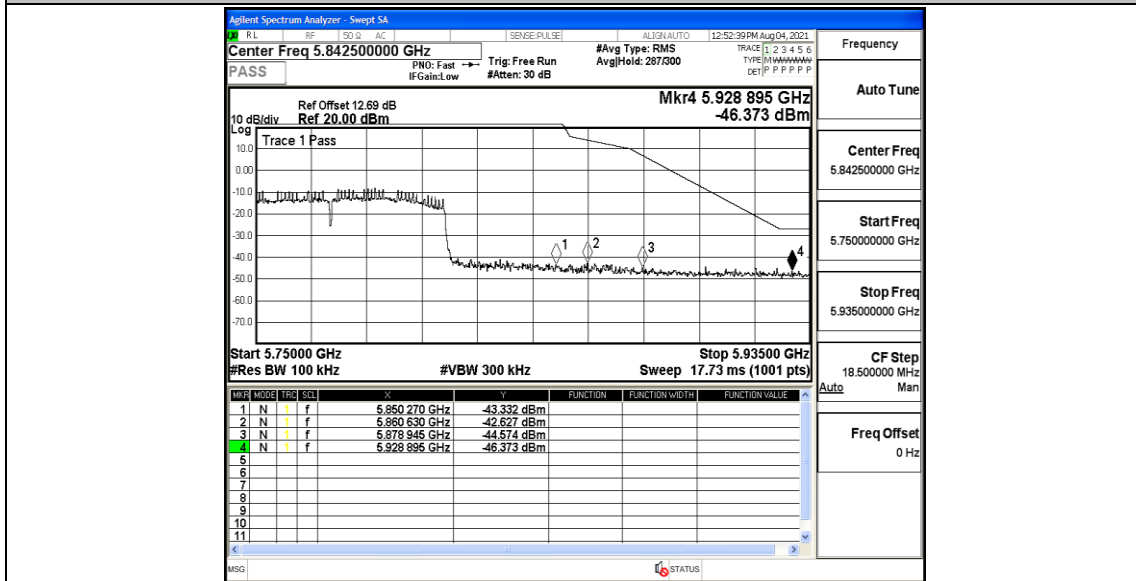
11AC80MIMO\_Ant1\_High\_5775



11AC80MIMO\_Ant2\_Low\_5775



11AC80MIMO\_Ant2\_High\_5775



## Appendix G: Frequency Stability

### Test Result

#### Ant 1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.939064	5745 – 5825	PASS
5745	20	108	5744.956878	5746 – 5825	PASS
5745	50	120	5745.078293	5747 – 5825	PASS
5745	40	120	5744.958985	5748 – 5825	PASS
5745	30	120	5745.082589	5749 – 5825	PASS
5745	20	120	5745.039325	5750 – 5825	PASS
5745	10	120	5744.926556	5751 – 5825	PASS
5745	0	120	5744.955223	5752 – 5825	PASS
5745	-10	120	5744.954395	5753 – 5825	PASS
5745	-20	120	5745.079139	5754 – 5825	PASS
5745	-30	120	5744.967871	5755 – 5825	PASS

#### Ant 2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.962996	5745 – 5825	PASS
5745	20	108	5745.095359	5745 – 5825	PASS
5745	50	120	5744.997381	5745 – 5825	PASS
5745	40	120	5744.941877	5745 – 5825	PASS
5745	30	120	5745.058814	5745 – 5825	PASS
5745	20	120	5745.057922	5745 – 5825	PASS
5745	10	120	5745.040802	5745 – 5825	PASS
5745	0	120	5744.947785	5745 – 5825	PASS
5745	-10	120	5744.932553	5745 – 5825	PASS
5745	-20	120	5745.024757	5745 – 5825	PASS
5745	-30	120	5745.073899	5745 – 5825	PASS

**Ant 1**

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5785.079171	5745 – 5825	PASS
5785	20	108	5784.942429	5746 – 5825	PASS
5785	50	120	5784.915971	5747 – 5825	PASS
5785	40	120	5785.069347	5748 – 5825	PASS
5785	30	120	5784.993999	5749 – 5825	PASS
5785	20	120	5784.980405	5750 – 5825	PASS
5785	10	120	5784.918383	5751 – 5825	PASS
5785	0	120	5784.904477	5752 – 5825	PASS
5785	-10	120	5784.924135	5753 – 5825	PASS
5785	-20	120	5784.974453	5754 – 5825	PASS
5785	-30	120	5784.970951	5755 – 5825	PASS

**Ant 2**

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5785.085974	5745 – 5825	PASS
5785	20	108	5785.085108	5746 – 5825	PASS
5785	50	120	5784.954863	5747 – 5825	PASS
5785	40	120	5785.015637	5748 – 5825	PASS
5785	30	120	5784.907391	5749 – 5825	PASS
5785	20	120	5785.079339	5750 – 5825	PASS
5785	10	120	5784.993589	5751 – 5825	PASS
5785	0	120	5785.099453	5752 – 5825	PASS
5785	-10	120	5785.002928	5753 – 5825	PASS
5785	-20	120	5785.007480	5754 – 5825	PASS
5785	-30	120	5784.950032	5755 – 5825	PASS



**Ant 1**

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5824.938018	5745 – 5825	PASS
5825	20	108	5824.996215	5746 – 5825	PASS
5825	50	120	5825.017981	5747 – 5825	PASS
5825	40	120	5825.038158	5748 – 5825	PASS
5825	30	120	5825.002847	5749 – 5825	PASS
5825	20	120	5825.019358	5750 – 5825	PASS
5825	10	120	5824.973356	5751 – 5825	PASS
5825	0	120	5824.970791	5752 – 5825	PASS
5825	-10	120	5825.020473	5753 – 5825	PASS
5825	-20	120	5824.906395	5754 – 5825	PASS
5825	-30	120	5825.034702	5755 – 5825	PASS

**Ant 2**

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5825.038625	5745 – 5825	PASS
5825	20	108	5825.085183	5746 – 5825	PASS
5825	50	120	5824.948369	5747 – 5825	PASS
5825	40	120	5824.963426	5748 – 5825	PASS
5825	30	120	5825.069488	5749 – 5825	PASS
5825	20	120	5824.904984	5750 – 5825	PASS
5825	10	120	5824.910975	5751 – 5825	PASS
5825	0	120	5825.098230	5752 – 5825	PASS
5825	-10	120	5824.900245	5753 – 5825	PASS
5825	-20	120	5825.015764	5754 – 5825	PASS
5825	-30	120	5825.035253	5755 – 5825	PASS

**Ant 1**

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5754.984945	5745 – 5825	PASS
5755	20	108	5754.951680	5746 – 5825	PASS
5755	50	120	5754.900152	5747 – 5825	PASS
5755	40	120	5754.969631	5748 – 5825	PASS
5755	30	120	5755.079841	5749 – 5825	PASS
5755	20	120	5754.930328	5750 – 5825	PASS
5755	10	120	5755.054213	5751 – 5825	PASS
5755	0	120	5755.088781	5752 – 5825	PASS
5755	-10	120	5755.009036	5753 – 5825	PASS
5755	-20	120	5754.915240	5754 – 5825	PASS
5755	-30	120	5755.048359	5755 – 5825	PASS

**Ant 2**

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5754.994743	5745 – 5825	PASS
5755	20	108	5754.931315	5746 – 5825	PASS
5755	50	120	5754.967929	5747 – 5825	PASS
5755	40	120	5754.927665	5748 – 5825	PASS
5755	30	120	5755.083158	5749 – 5825	PASS
5755	20	120	5755.052094	5750 – 5825	PASS
5755	10	120	5754.960652	5751 – 5825	PASS
5755	0	120	5755.028470	5752 – 5825	PASS
5755	-10	120	5754.900247	5753 – 5825	PASS
5755	-20	120	5755.070565	5754 – 5825	PASS
5755	-30	120	5755.095629	5755 – 5825	PASS

**Ant 1**

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.992251	5745 – 5825	PASS
5795	20	108	5794.907573	5745 – 5825	PASS
5795	50	120	5794.997780	5745 – 5825	PASS
5795	40	120	5794.982309	5745 – 5825	PASS
5795	30	120	5794.962239	5745 – 5825	PASS
5795	20	120	5794.919692	5745 – 5825	PASS
5795	10	120	5794.983491	5745 – 5825	PASS
5795	0	120	5794.900976	5745 – 5825	PASS
5795	-10	120	5794.905068	5745 – 5825	PASS
5795	-20	120	5795.069556	5745 – 5825	PASS
5795	-30	120	5795.058856	5745 – 5825	PASS

**Ant 2**

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5795.006614	5745 – 5825	PASS
5795	20	108	5794.935127	5746 – 5825	PASS
5795	50	120	5795.057738	5747 – 5825	PASS
5795	40	120	5795.066226	5748 – 5825	PASS
5795	30	120	5795.088141	5749 – 5825	PASS
5795	20	120	5794.949781	5750 – 5825	PASS
5795	10	120	5795.005499	5751 – 5825	PASS
5795	0	120	5794.994875	5752 – 5825	PASS
5795	-10	120	5794.971357	5753 – 5825	PASS
5795	-20	120	5794.924720	5754 – 5825	PASS
5795	-30	120	5794.906338	5755 – 5825	PASS

**Ant 1**

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5775.041603	5745 – 5825	PASS
5775	20	108	5774.999840	5746 – 5825	PASS
5775	50	120	5774.944568	5747 – 5825	PASS
5775	40	120	5774.933897	5748 – 5825	PASS
5775	30	120	5774.940456	5749 – 5825	PASS
5775	20	120	5775.084000	5750 – 5825	PASS
5775	10	120	5774.909288	5751 – 5825	PASS
5775	0	120	5774.923798	5752 – 5825	PASS
5775	-10	120	5774.942451	5753 – 5825	PASS
5775	-20	120	5774.973463	5754 – 5825	PASS
5775	-30	120	5775.067702	5755 – 5825	PASS

**Ant 2**

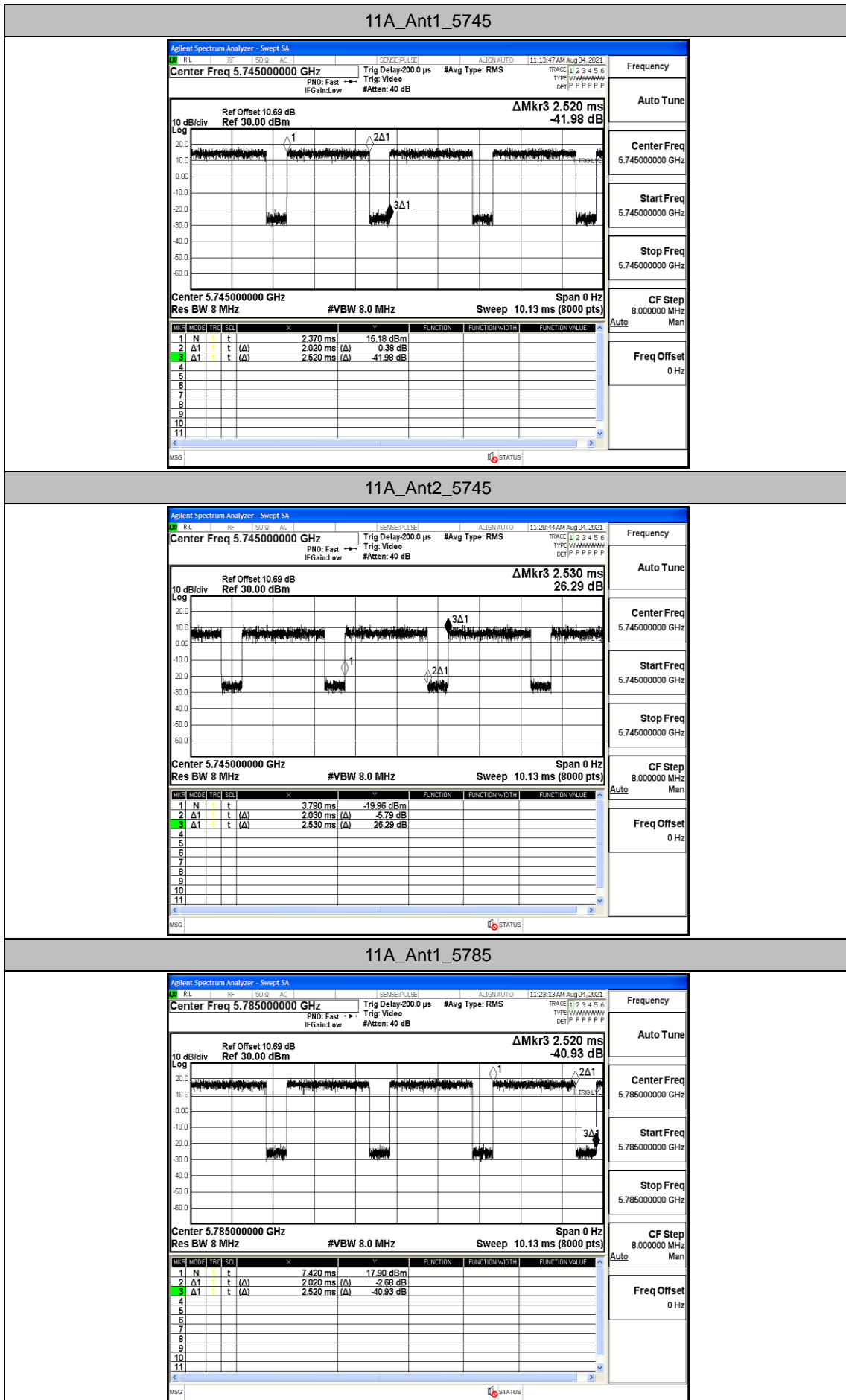
Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5775.003696	5745 – 5825	PASS
5775	20	108	5775.049053	5746 – 5825	PASS
5775	50	120	5774.907766	5747 – 5825	PASS
5775	40	120	5774.981441	5748 – 5825	PASS
5775	30	120	5774.993204	5749 – 5825	PASS
5775	20	120	5775.066472	5750 – 5825	PASS
5775	10	120	5775.008041	5751 – 5825	PASS
5775	0	120	5775.040569	5752 – 5825	PASS
5775	-10	120	5774.939655	5753 – 5825	PASS
5775	-20	120	5774.913286	5754 – 5825	PASS
5775	-30	120	5775.088529	5755 – 5825	PASS

## Appendix H: Duty Cycle

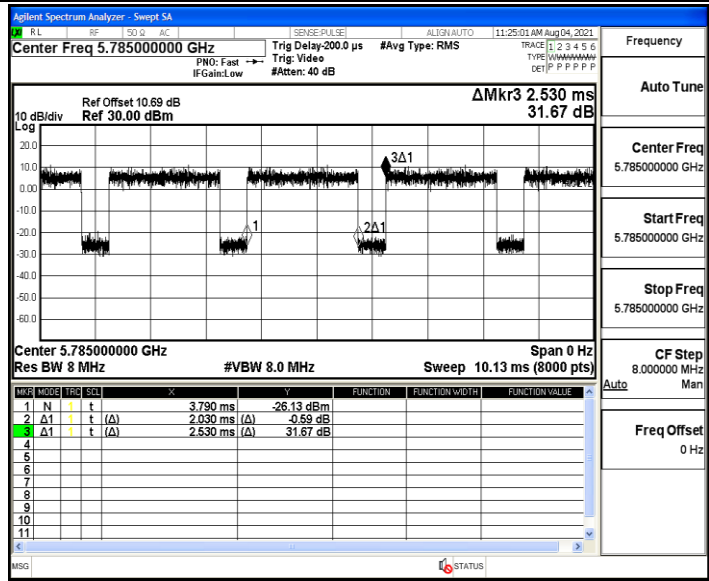
### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.02	2.52	80.16
	Ant2	5745	2.03	2.53	80.24
	Ant1	5785	2.02	2.52	80.16
	Ant2	5785	2.03	2.53	80.24
	Ant1	5825	2.03	2.53	80.24
	Ant2	5825	2.03	2.53	80.24
11N20MIMO	Ant1	5745	1.88	2.39	78.66
	Ant2	5745	1.89	2.39	79.08
	Ant1	5785	1.89	2.39	79.08
	Ant2	5785	1.89	2.39	79.08
	Ant1	5825	1.89	2.39	79.08
	Ant2	5825	1.89	2.39	79.08
11N40MIMO	Ant1	5755	0.93	1.43	65.03
	Ant2	5755	0.92	1.43	64.34
	Ant1	5795	0.93	1.44	64.58
	Ant2	5795	0.92	1.43	64.34
11AC20MIMO	Ant1	5745	1.89	2.40	78.75
	Ant2	5745	1.89	2.39	79.08
	Ant1	5785	1.89	2.39	79.08
	Ant2	5785	1.89	2.39	79.08
	Ant1	5825	1.89	2.39	79.08
	Ant2	5825	1.90	2.40	79.17
11AC40MIMO	Ant1	5755	0.94	1.44	65.28
	Ant2	5755	0.93	1.43	65.03
	Ant1	5795	0.93	1.43	65.03
	Ant2	5795	0.93	1.44	64.58
11AC80MIMO	Ant1	5775	0.45	0.95	47.37
	Ant2	5775	0.45	0.95	47.37

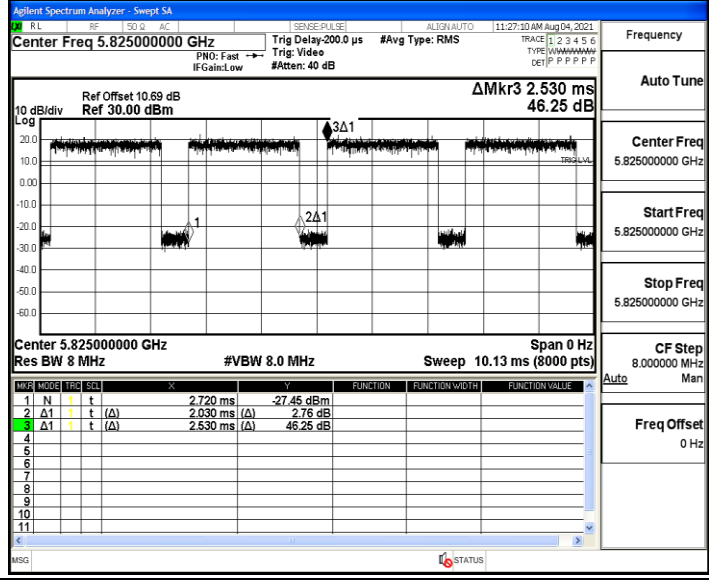
Test Graphs



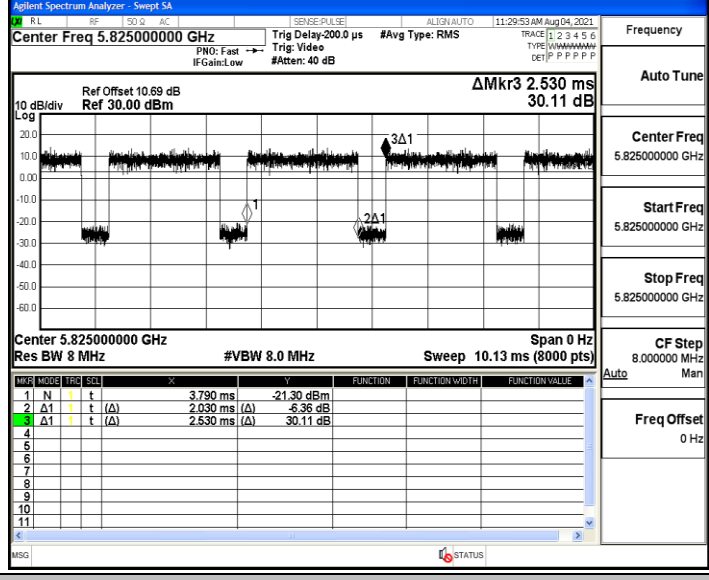
11A\_Ant2\_5785



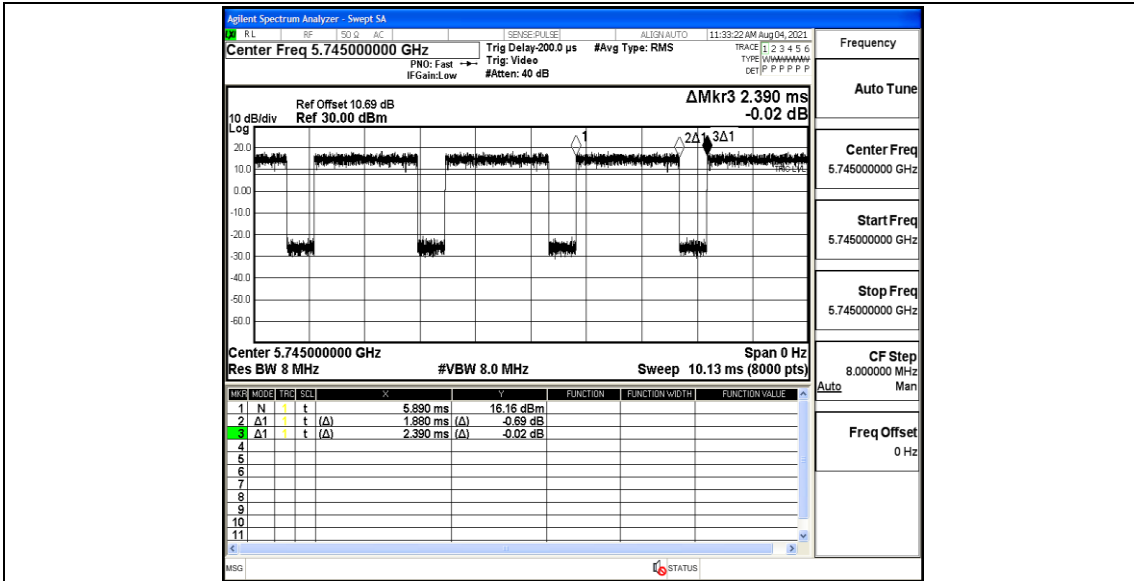
11A\_Ant1\_5825



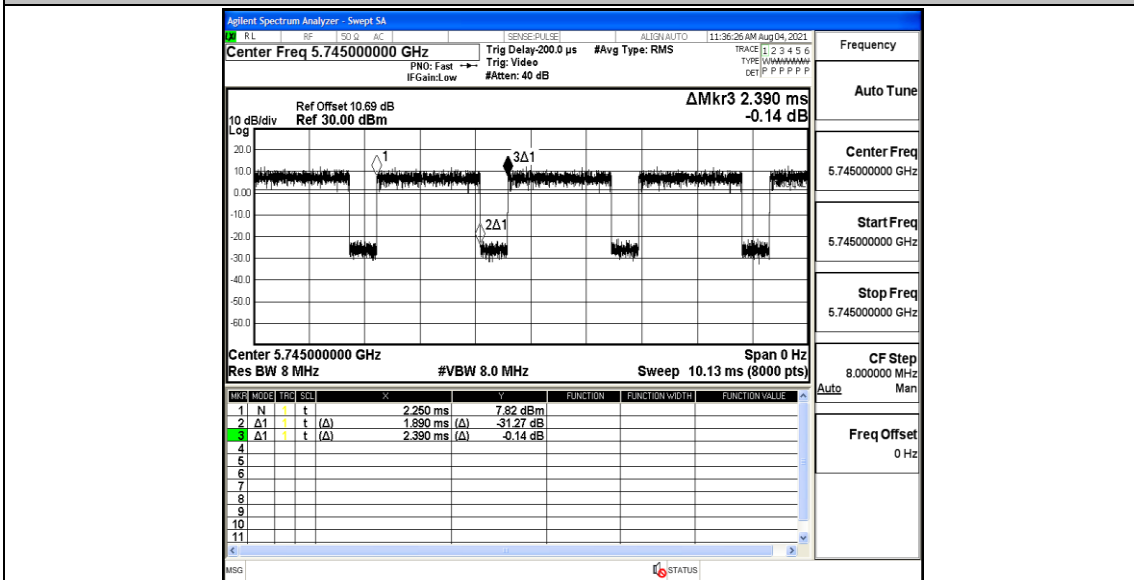
11A\_Ant2\_5825



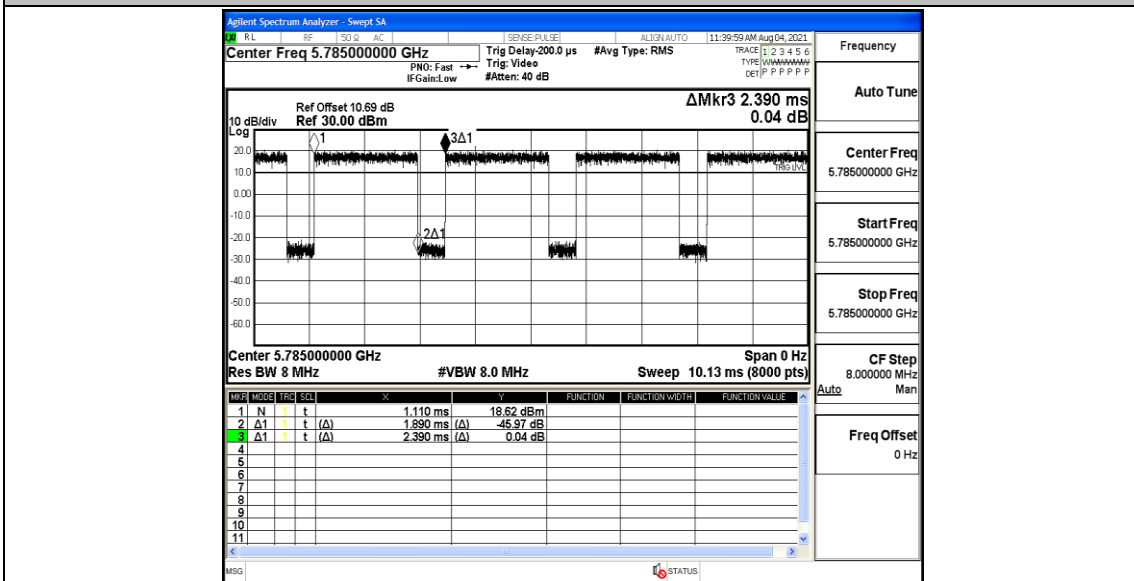
11N20MIMO\_Ant1\_5745



11N20MIMO\_Ant2\_5745

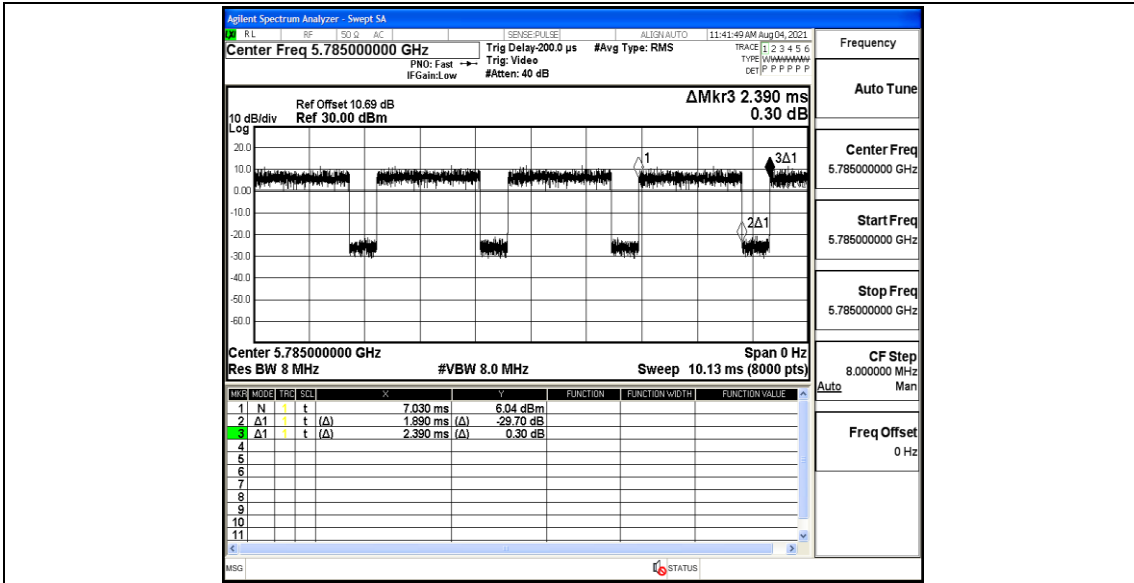


11N20MIMO\_Ant1\_5785

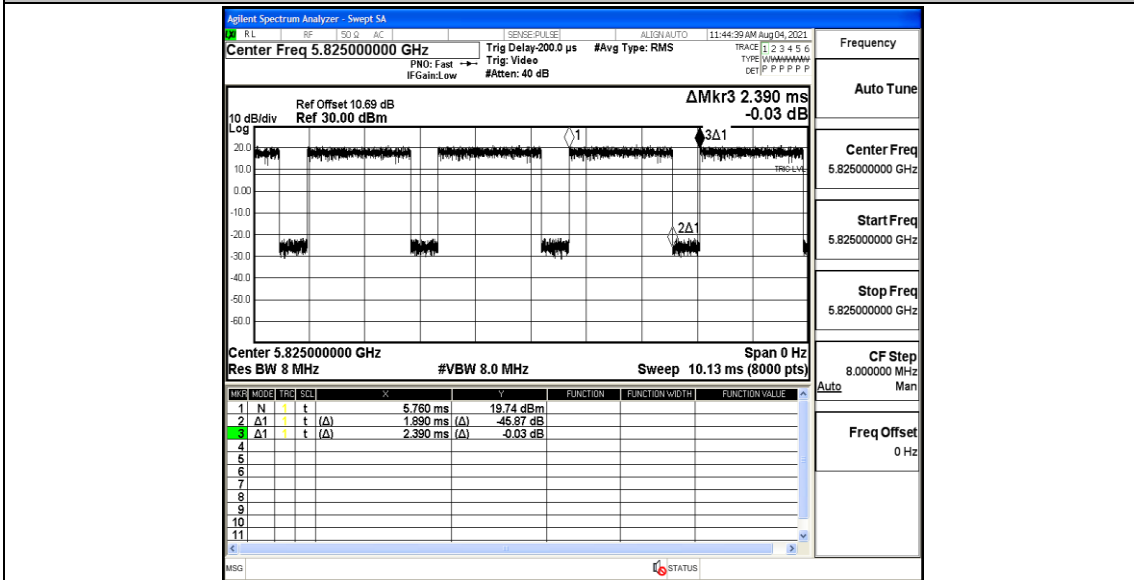


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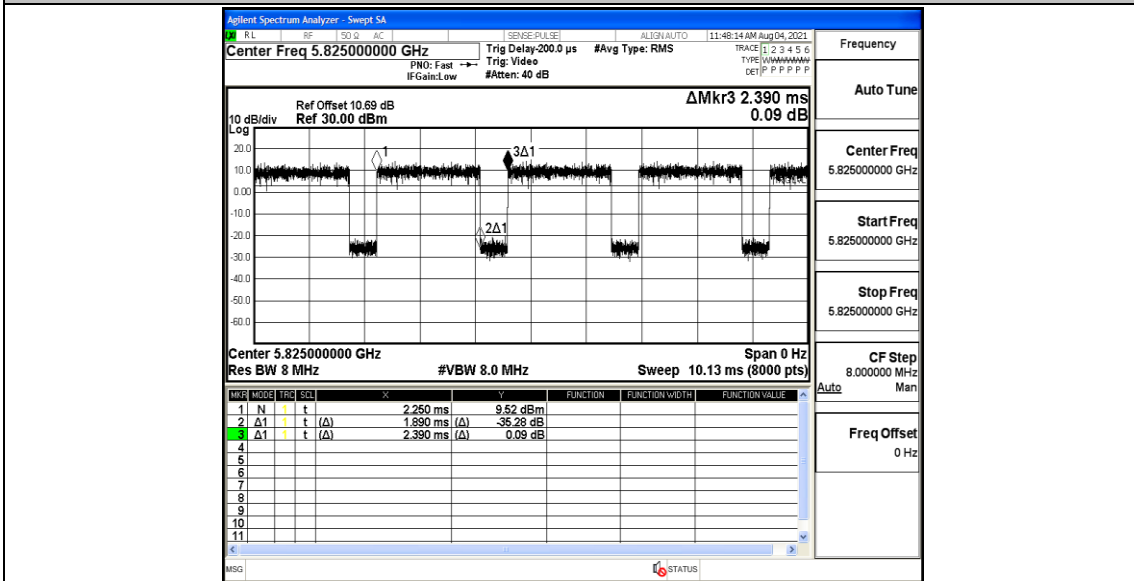




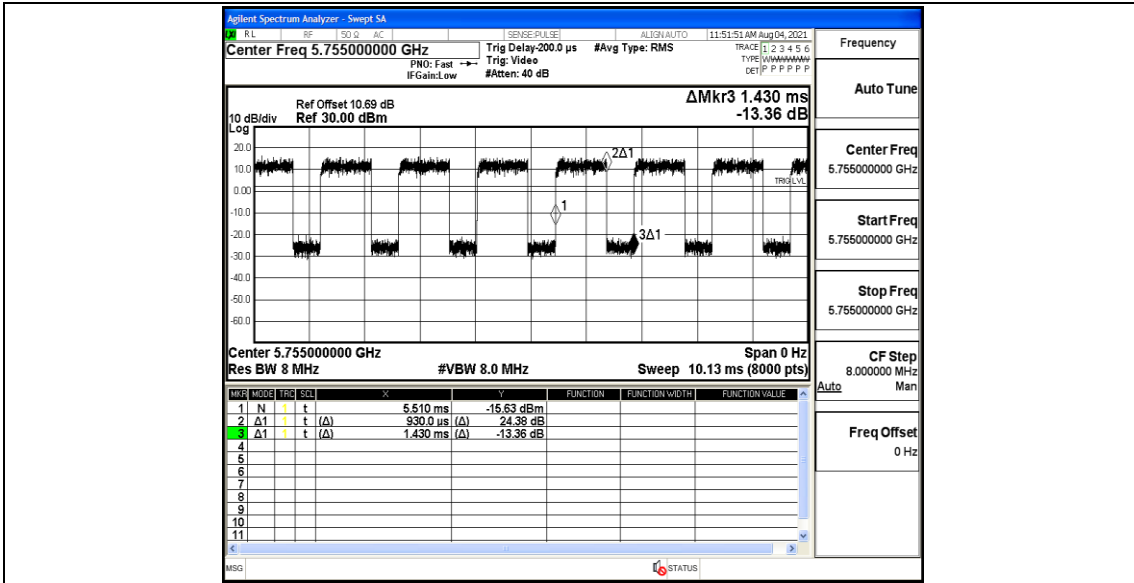
11N20MIMO\_Ant1\_5825



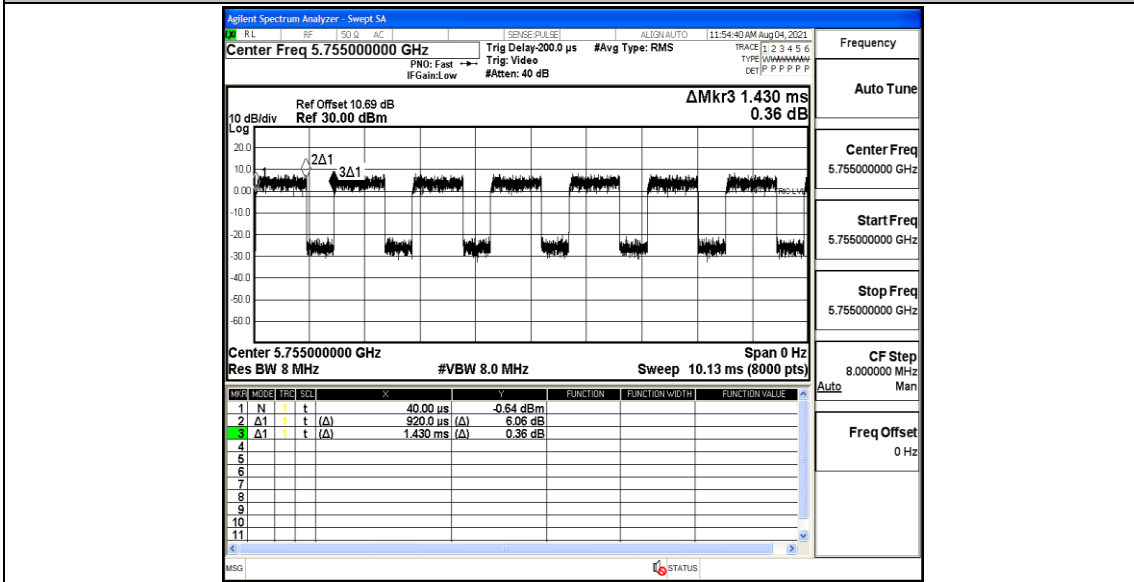
11N20MIMO\_Ant2\_5825



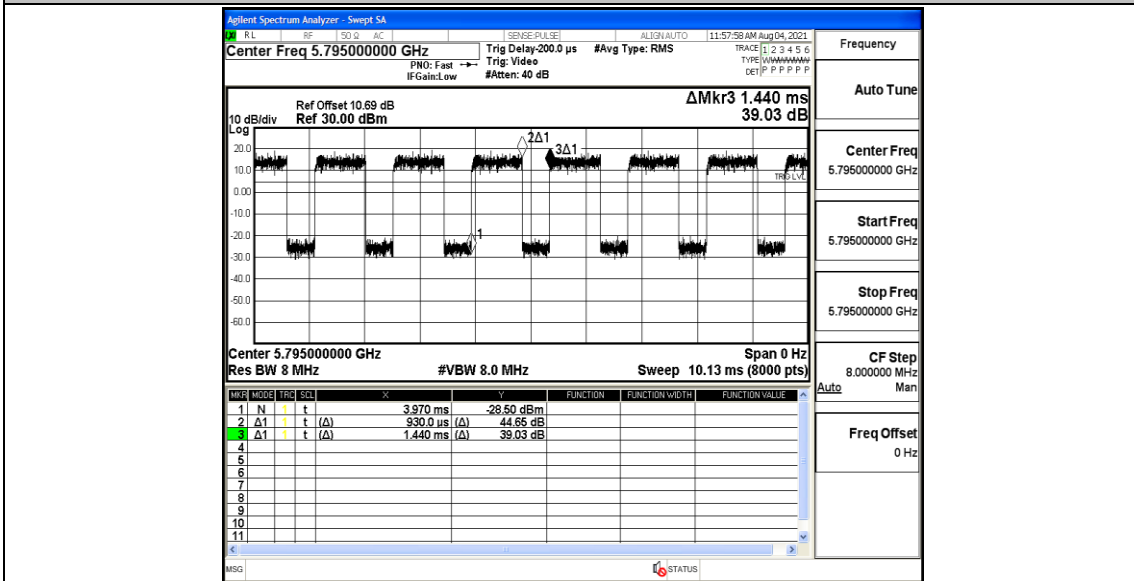
11N40MIMO\_Ant1\_5755



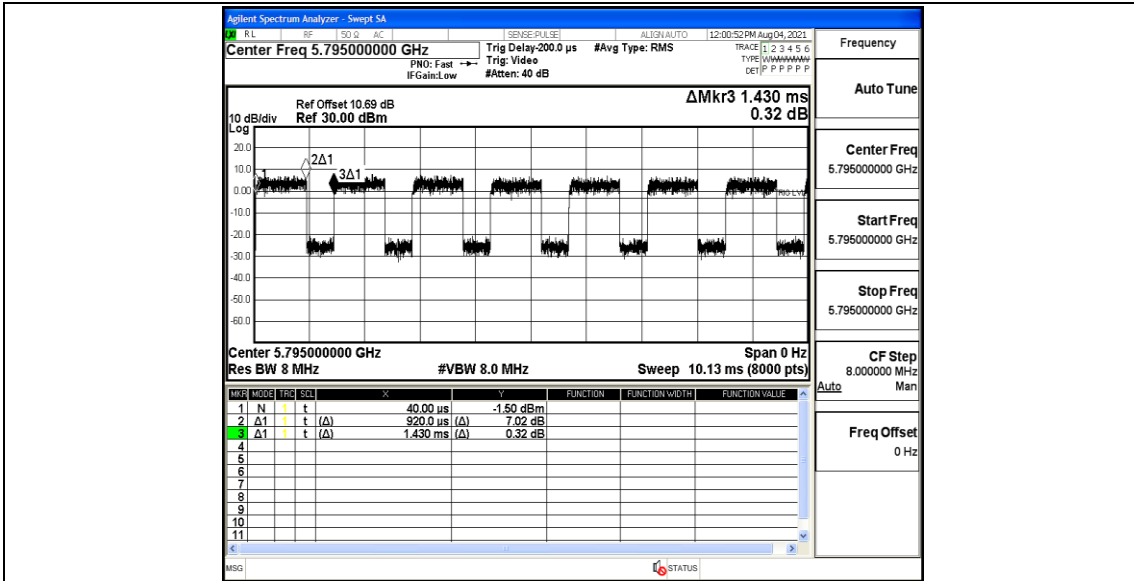
11N40MIMO\_Ant2\_5755



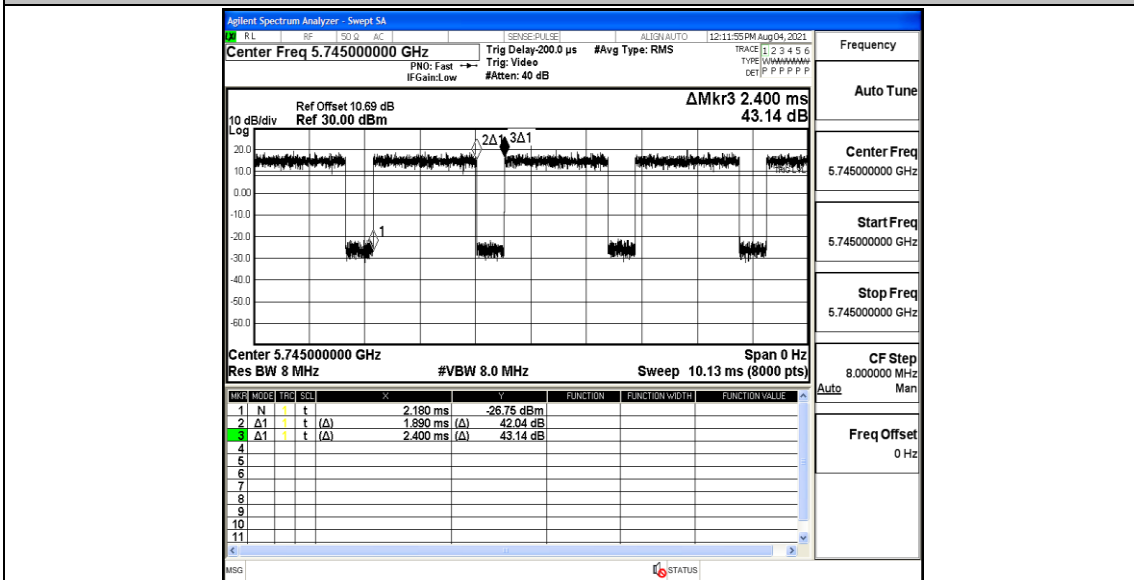
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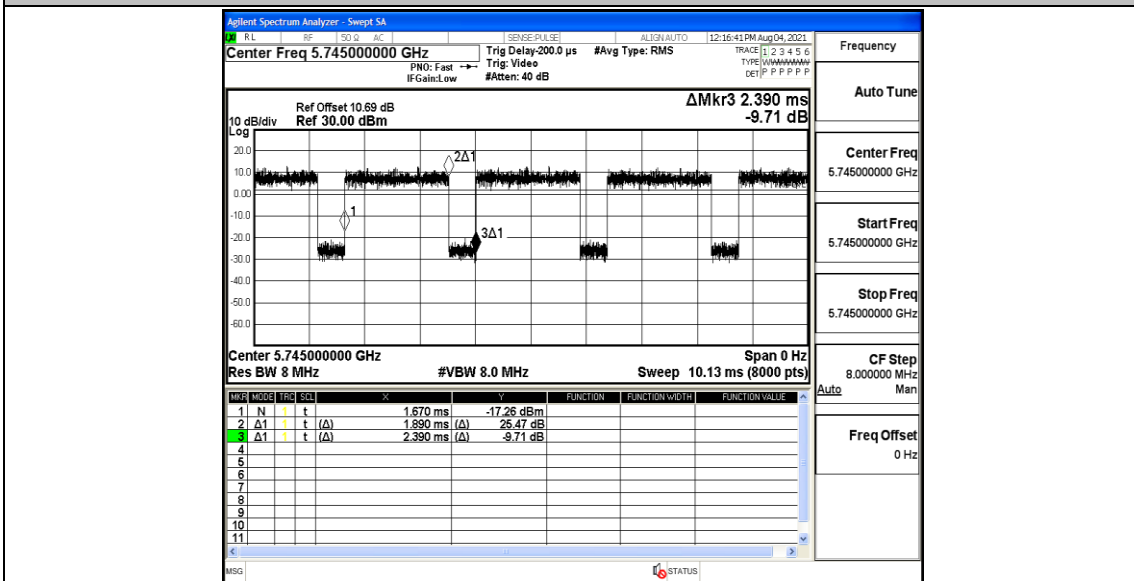
11N40MIMO\_Ant2\_5795



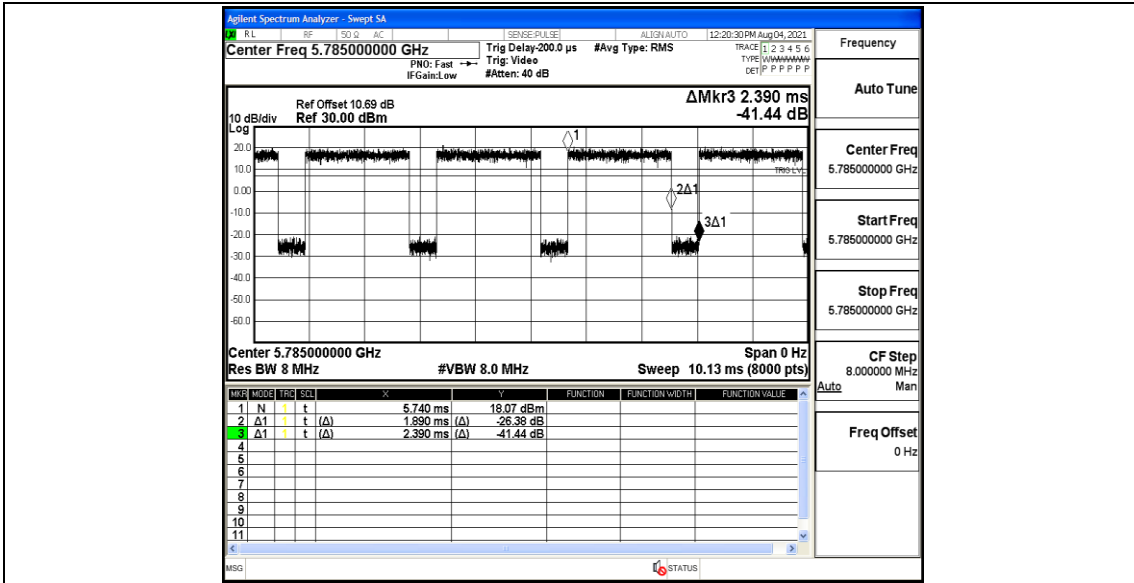
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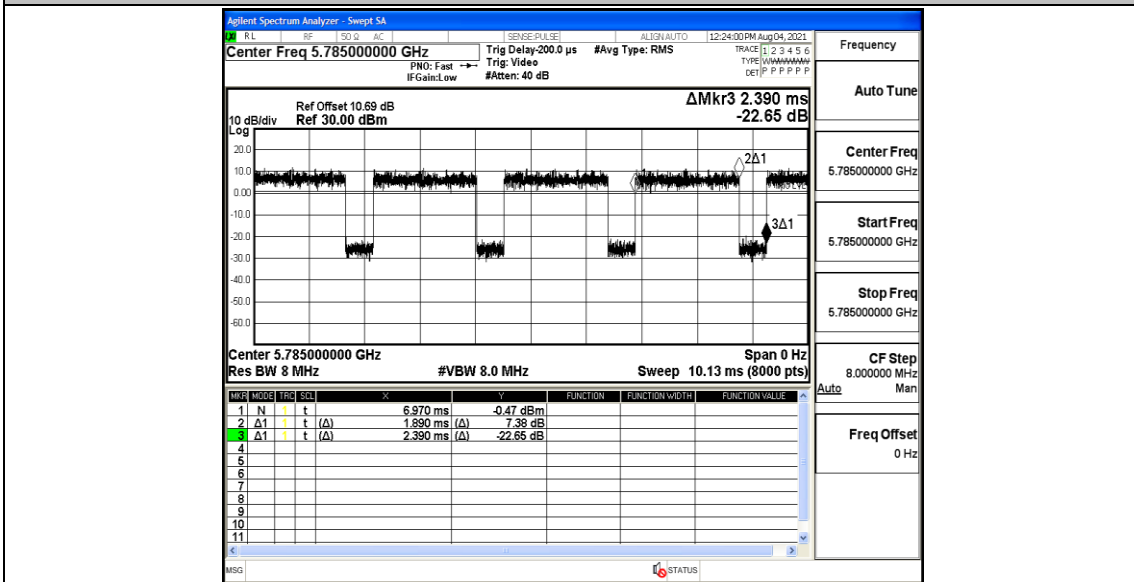
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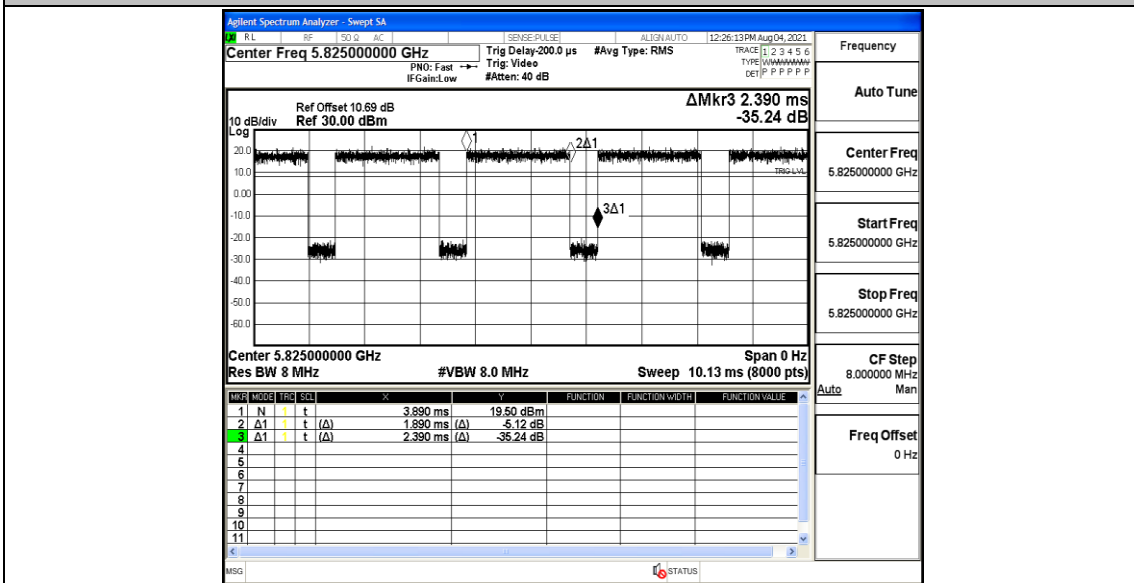
11AC20MIMO\_Ant1\_5785



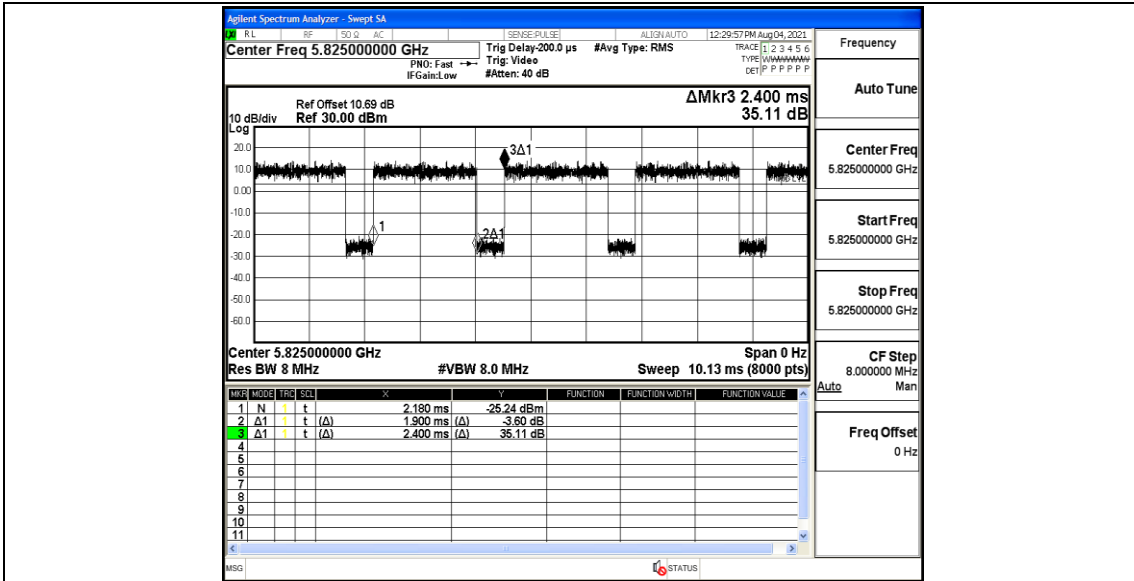
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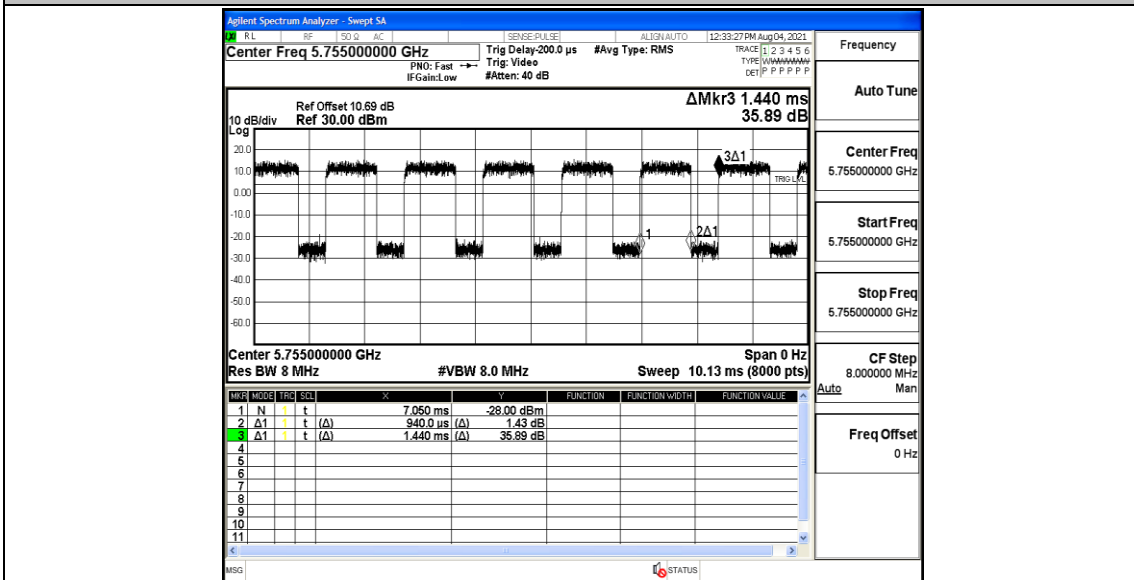
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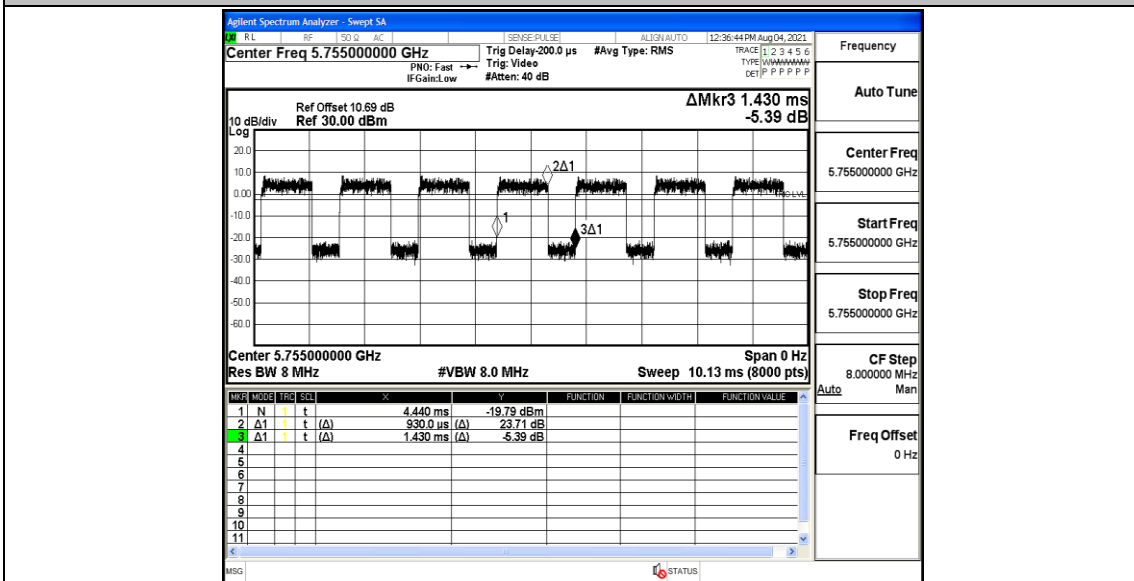
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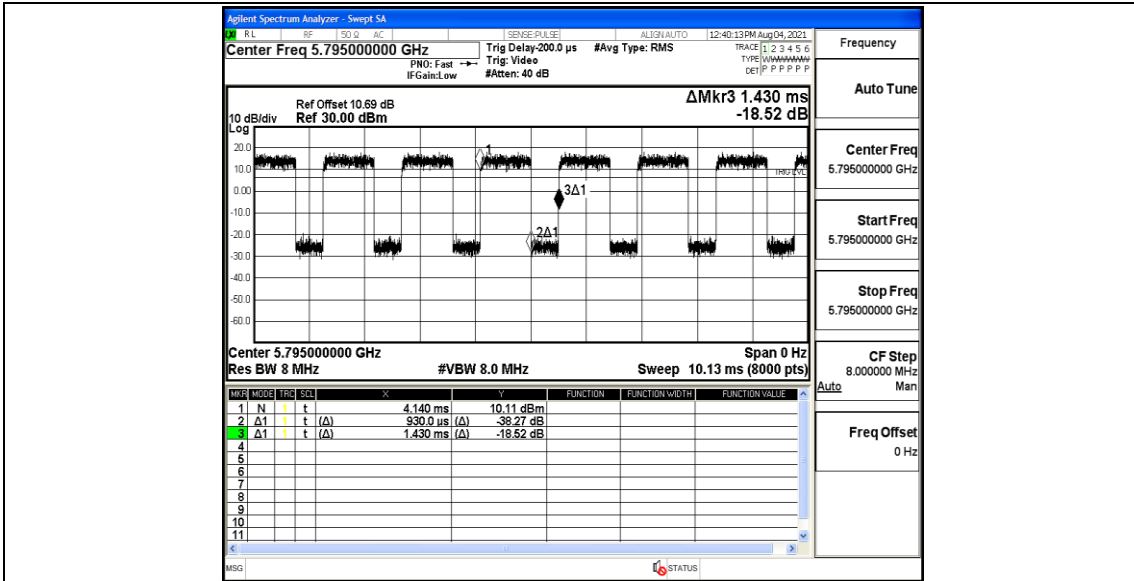
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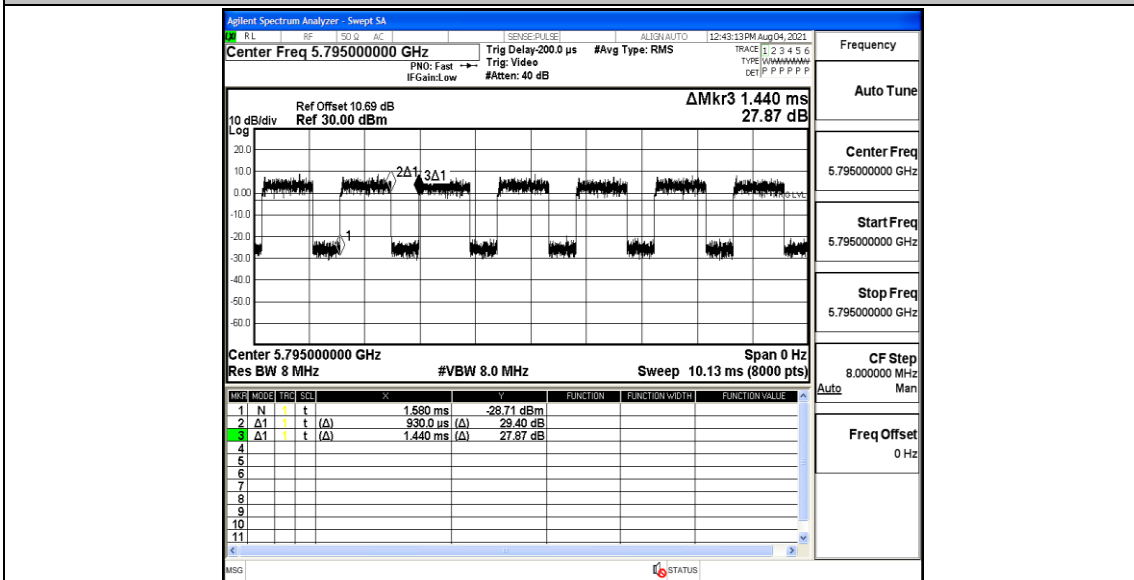
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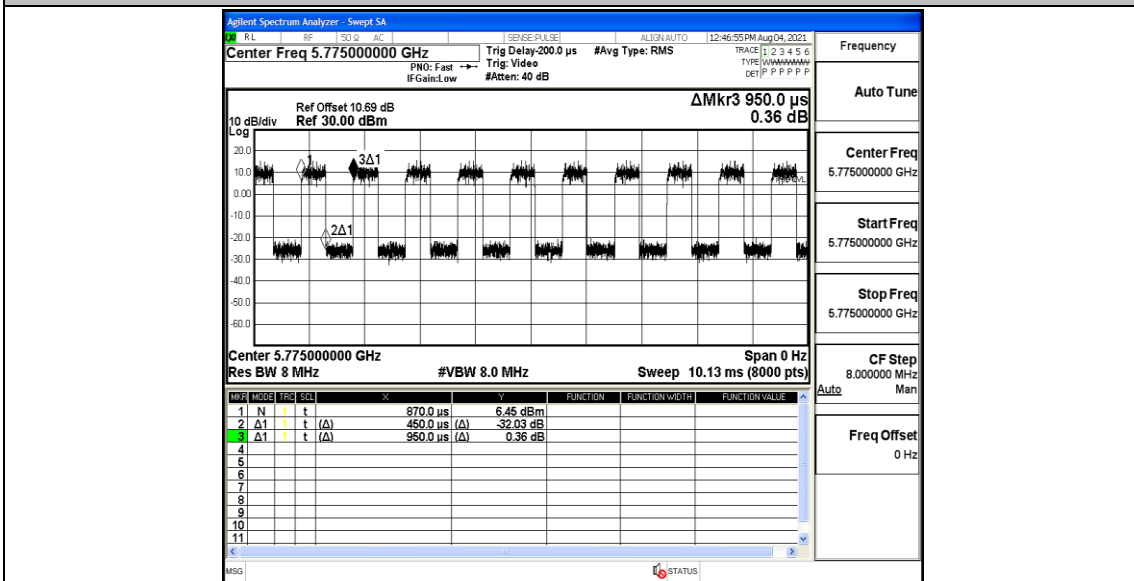
11AC40MIMO\_Ant1\_5795



11AC40MIMO\_Ant2\_5795



11AC80MIMO\_Ant1\_5775



11AC80MIMO\_Ant2\_5775

