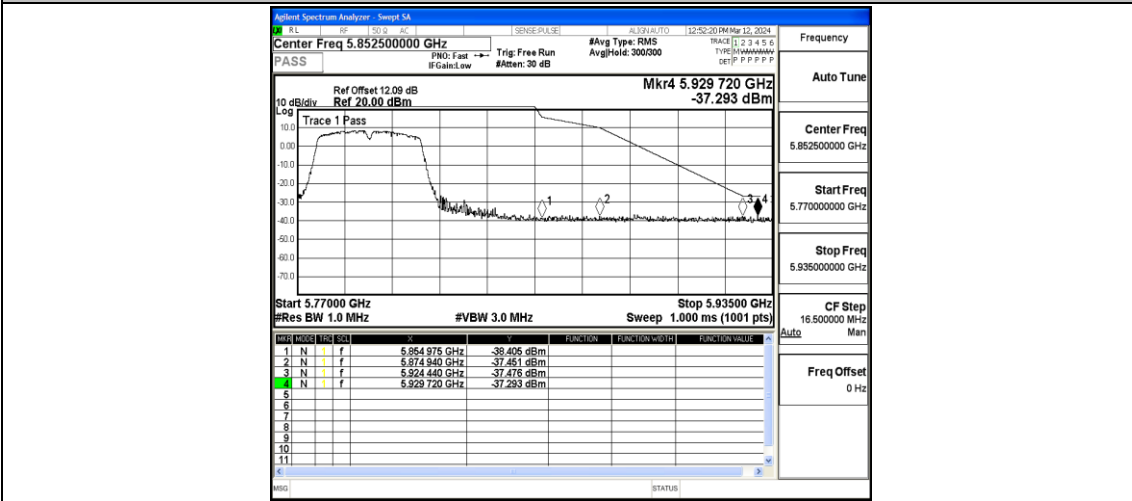
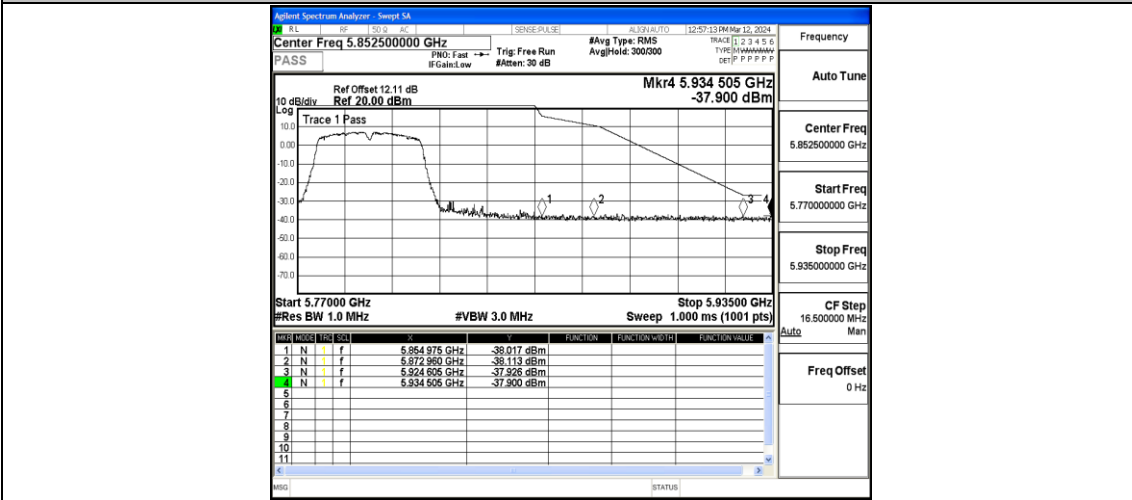


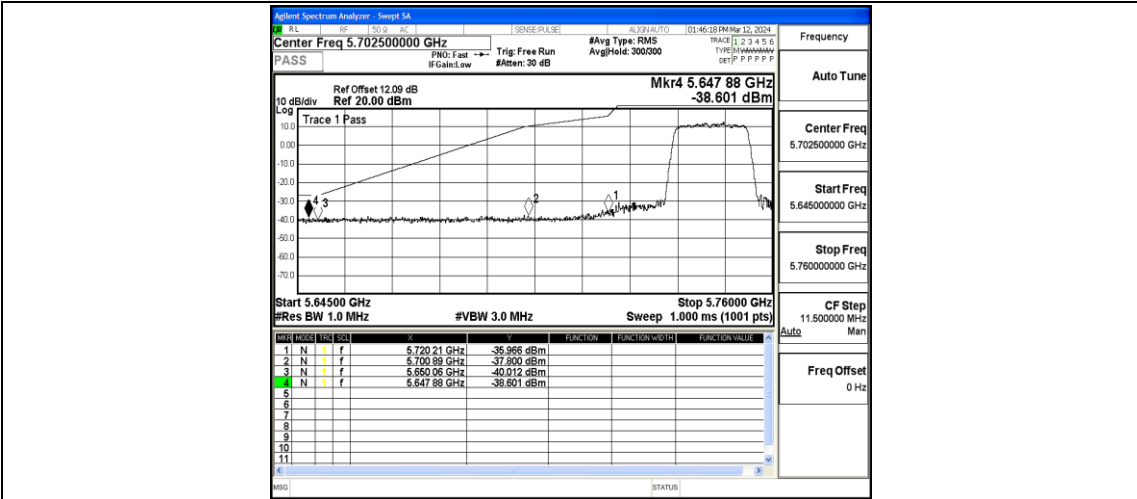
11N40MIMO-Ant2-5755-PASS



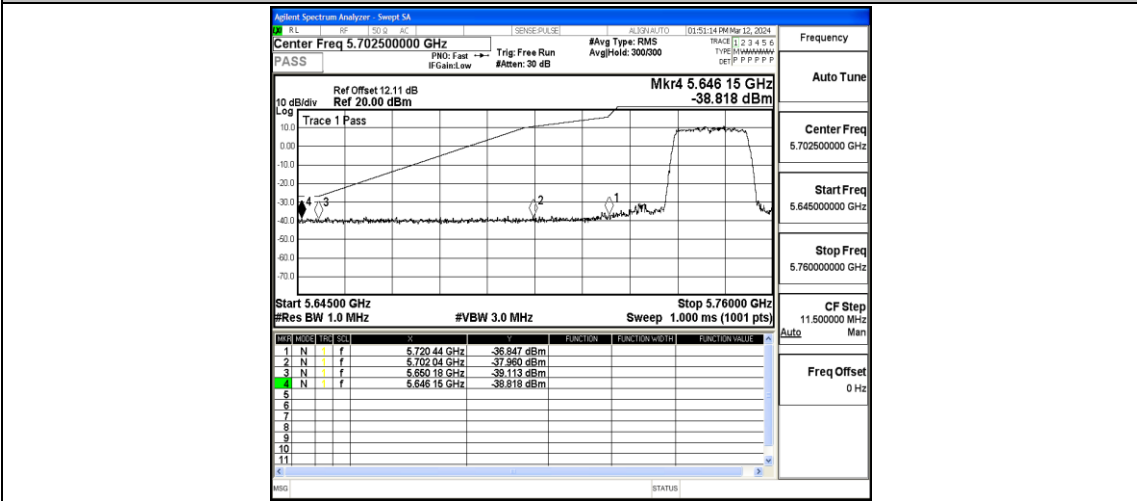
11N40MIMO-Ant1-5795-PASS



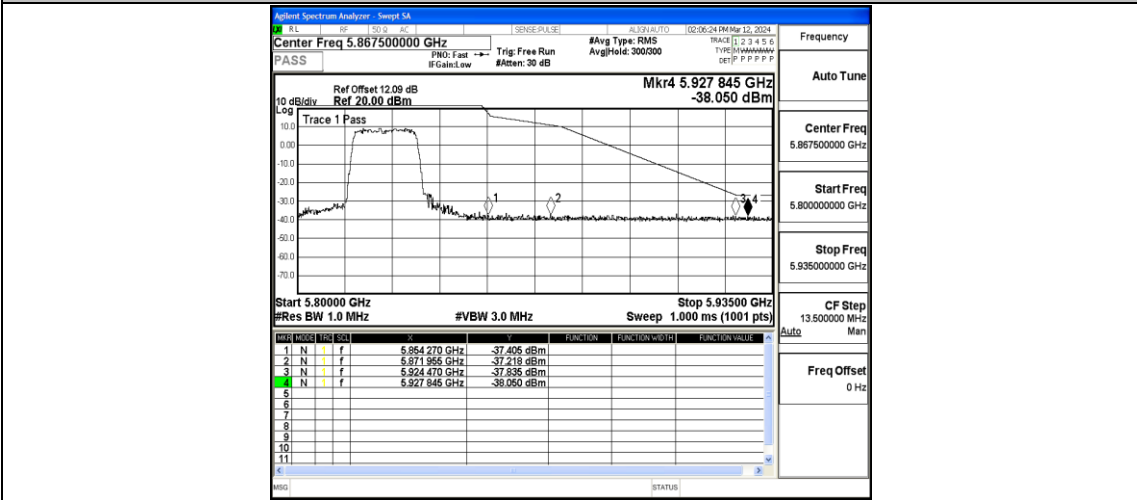
11N40MIMO-Ant2-5795-PASS



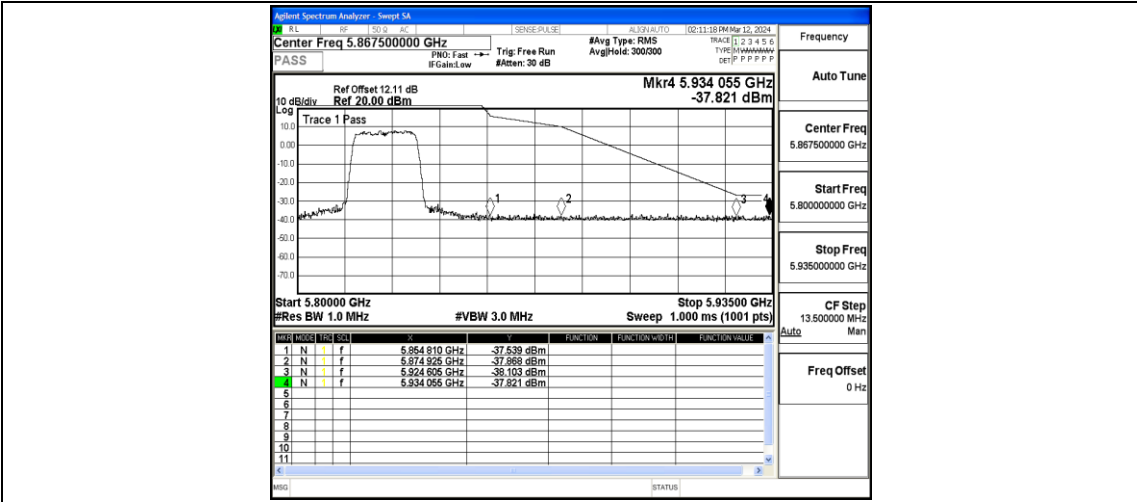
11AC20MIMO-Ant1-5745-PASS



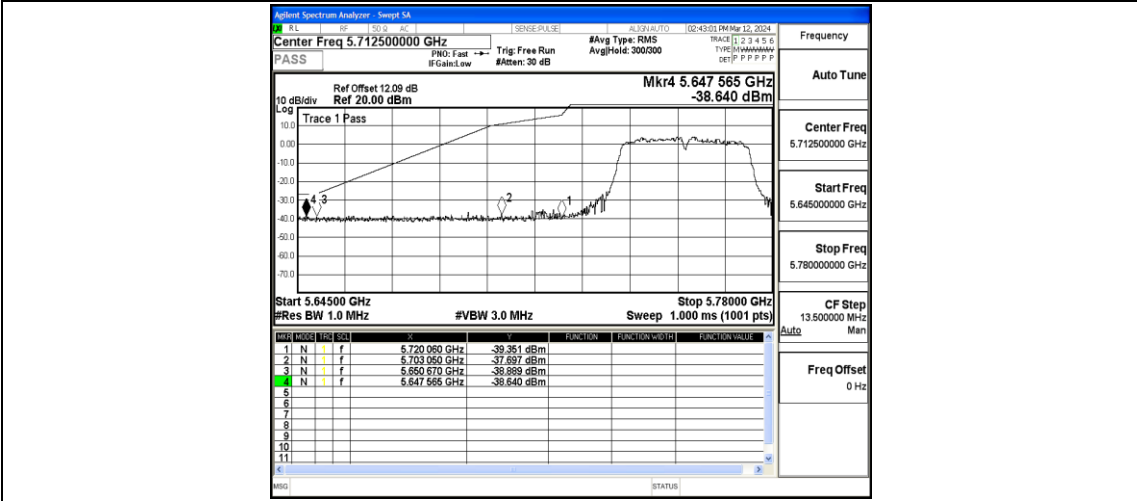
11AC20MIMO-Ant2-5745-PASS



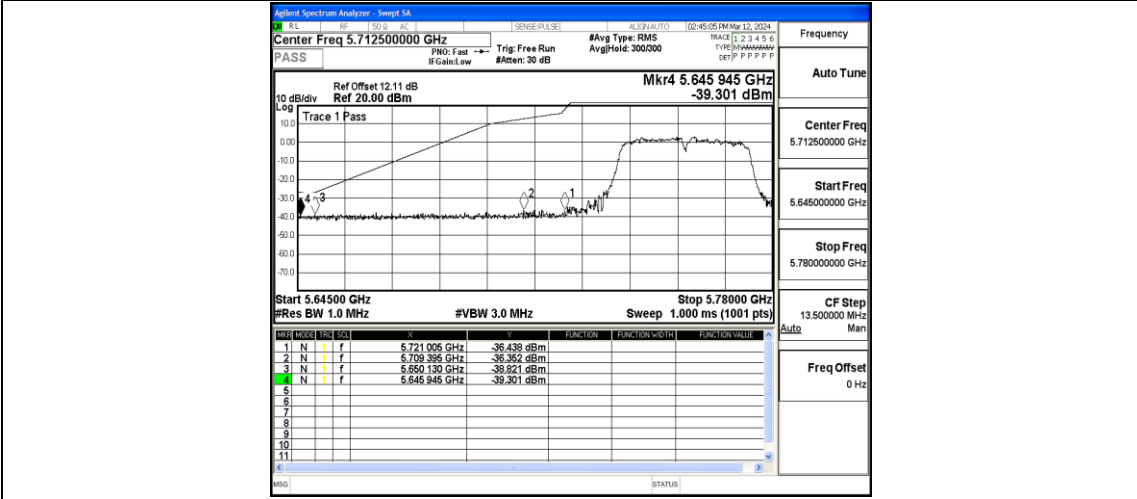
11AC20MIMO-Ant1-5825-PASS



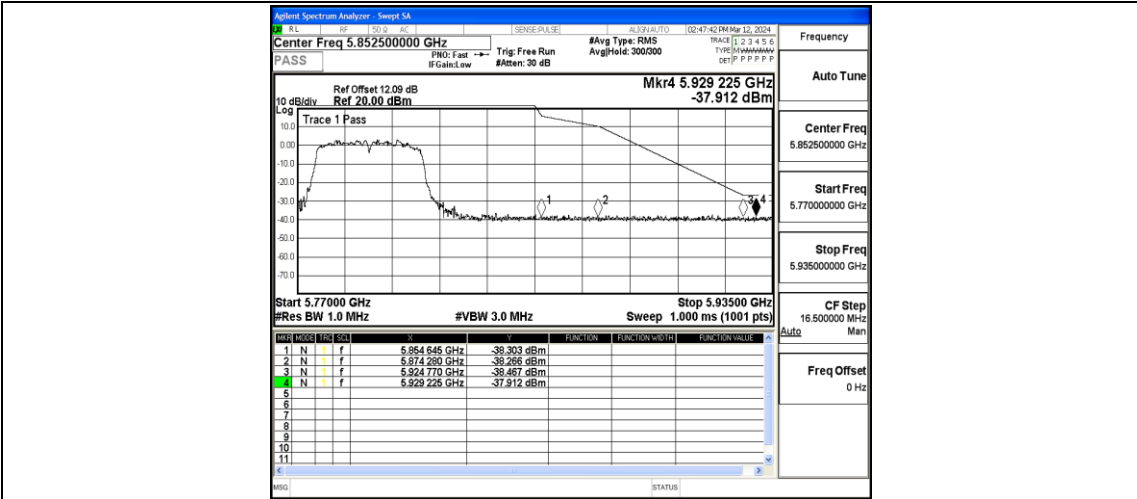
11AC20MIMO-Ant2-5825-PASS



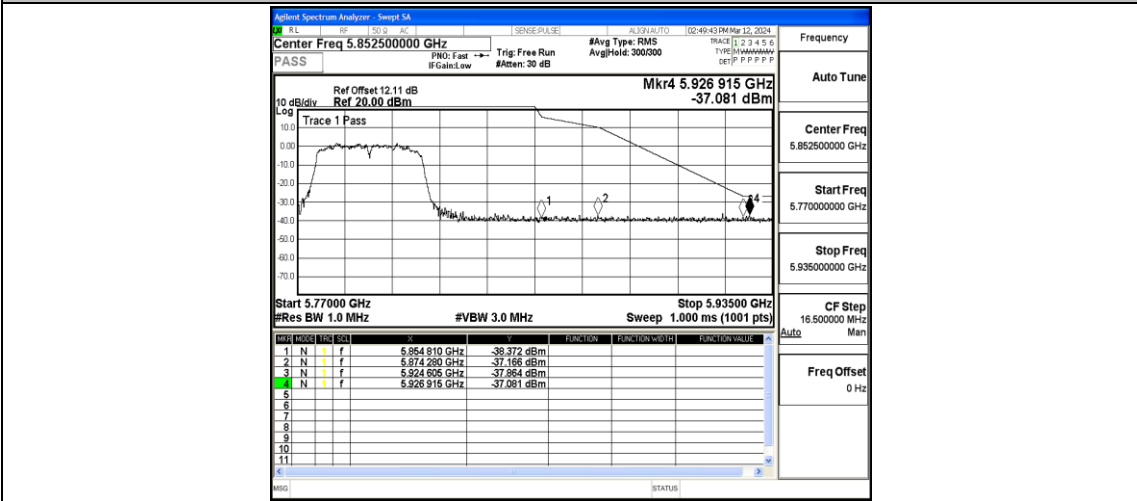
11AC40MIMO-Ant1-5755-PASS



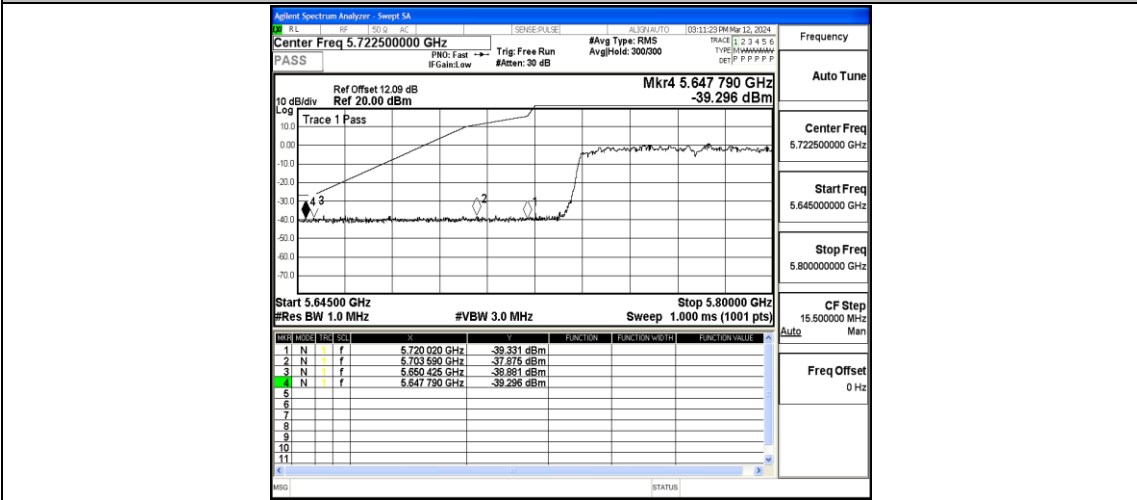
11AC40MIMO-Ant2-5755-PASS



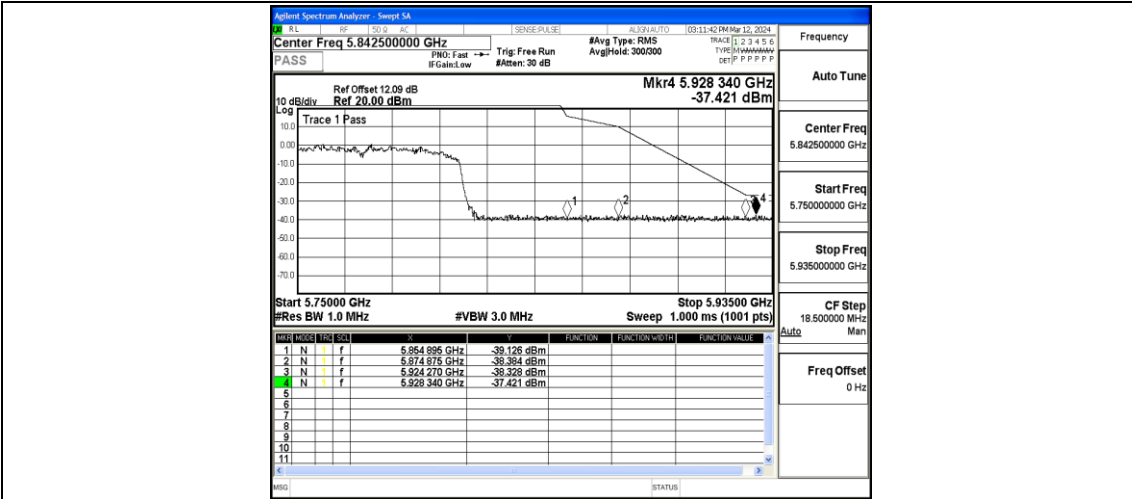
11AC40MIMO-Ant1-5795-PASS



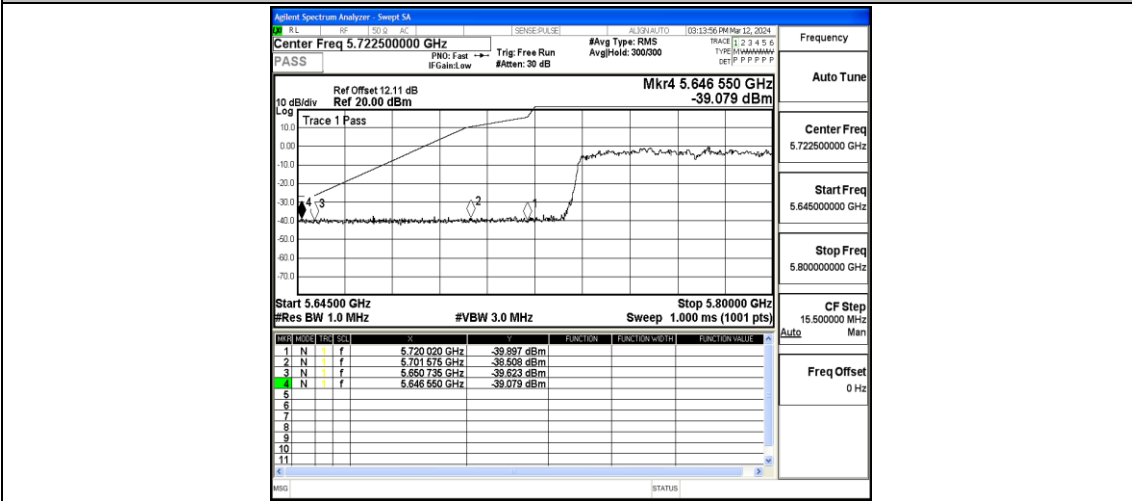
11AC40MIMO-Ant2-5795-PASS



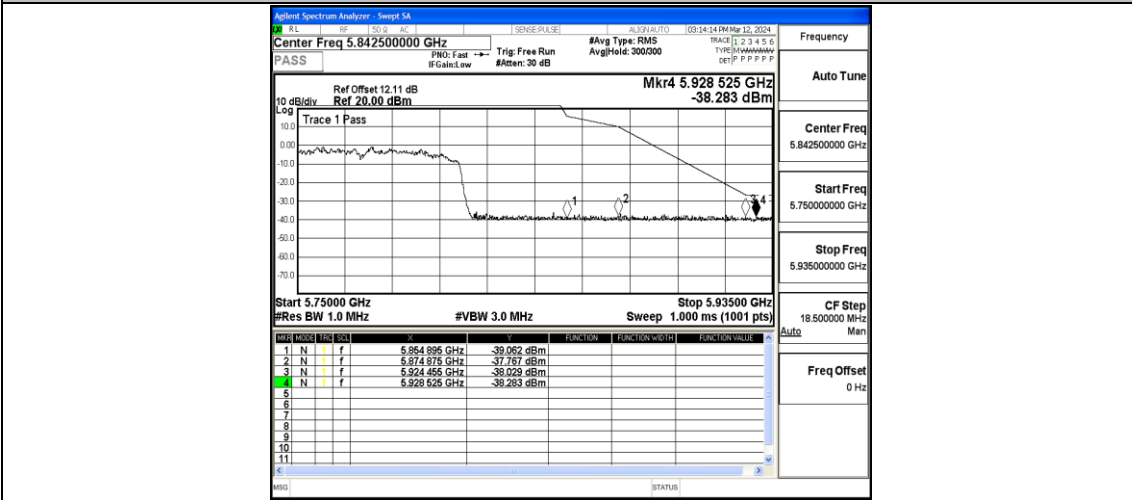
11AC80MIMO-Ant1-5775-PASS



11AC80MIMO-Ant1-5775-PASS



11AC80MIMO-Ant2-5775-PASS



11AC80MIMO-Ant2-5775-PASS

## Appendix E: Frequency Stability

### Test Result

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.905258	5150 – 5250	PASS
5745	20	108	5744.909767	5150 – 5250	PASS
5745	50	120	5744.942751	5150 – 5250	PASS
5745	40	120	5744.974304	5150 – 5250	PASS
5745	30	120	5744.992803	5150 – 5250	PASS
5745	20	120	5744.908425	5150 – 5250	PASS
5745	10	120	5744.928028	5150 – 5250	PASS
5745	0	120	5745.043094	5150 – 5250	PASS
5745	-10	120	5745.023315	5150 – 5250	PASS
5745	-20	120	5745.085972	5150 – 5250	PASS
5745	-30	120	5745.044255	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5745.045152	5150 – 5250	PASS
5745	20	108	5744.954574	5150 – 5250	PASS
5745	50	120	5745.074798	5150 – 5250	PASS
5745	40	120	5744.958844	5150 – 5250	PASS
5745	30	120	5745.058618	5150 – 5250	PASS
5745	20	120	5744.940556	5150 – 5250	PASS
5745	10	120	5744.955680	5150 – 5250	PASS
5745	0	120	5745.081970	5150 – 5250	PASS
5745	-10	120	5744.922199	5150 – 5250	PASS
5745	-20	120	5744.926331	5150 – 5250	PASS
5745	-30	120	5744.953737	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5784.941242	5150 – 5250	PASS
5785	20	108	5784.937076	5150 – 5250	PASS
5785	50	120	5785.010910	5150 – 5250	PASS
5785	40	120	5785.040037	5150 – 5250	PASS
5785	30	120	5784.970228	5150 – 5250	PASS
5785	20	120	5784.999356	5150 – 5250	PASS
5785	10	120	5784.929837	5150 – 5250	PASS
5785	0	120	5785.062719	5150 – 5250	PASS
5785	-10	120	5784.954910	5150 – 5250	PASS
5785	-20	120	5784.924095	5150 – 5250	PASS
5785	-30	120	5785.049195	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5785.076371	5150 – 5250	PASS
5785	20	108	5784.997359	5150 – 5250	PASS
5785	50	120	5784.966329	5150 – 5250	PASS
5785	40	120	5784.970346	5150 – 5250	PASS
5785	30	120	5785.082990	5150 – 5250	PASS
5785	20	120	5785.071609	5150 – 5250	PASS
5785	10	120	5784.993486	5150 – 5250	PASS
5785	0	120	5784.968735	5150 – 5250	PASS
5785	-10	120	5784.923592	5150 – 5250	PASS
5785	-20	120	5785.004881	5150 – 5250	PASS
5785	-30	120	5785.052551	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5824.989666	5150 – 5250	PASS
5825	20	108	5824.936126	5150 – 5250	PASS
5825	50	120	5824.935029	5150 – 5250	PASS
5825	40	120	5825.081593	5150 – 5250	PASS
5825	30	120	5825.012745	5150 – 5250	PASS
5825	20	120	5825.030173	5150 – 5250	PASS
5825	10	120	5824.908085	5150 – 5250	PASS
5825	0	120	5824.975662	5150 – 5250	PASS
5825	-10	120	5824.942284	5150 – 5250	PASS
5825	-20	120	5825.038821	5150 – 5250	PASS
5825	-30	120	5824.984871	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5825.013502	5150 – 5250	PASS
5825	20	108	5824.974444	5150 – 5250	PASS
5825	50	120	5825.075682	5150 – 5250	PASS
5825	40	120	5825.040911	5150 – 5250	PASS
5825	30	120	5825.081432	5150 – 5250	PASS
5825	20	120	5825.027641	5150 – 5250	PASS
5825	10	120	5825.039519	5150 – 5250	PASS
5825	0	120	5824.917109	5150 – 5250	PASS
5825	-10	120	5824.972367	5150 – 5250	PASS
5825	-20	120	5825.020705	5150 – 5250	PASS
5825	-30	120	5824.931266	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.039512	5150 – 5250	PASS
5755	20	108	5755.044062	5150 – 5250	PASS
5755	50	120	5755.063208	5150 – 5250	PASS
5755	40	120	5755.017830	5150 – 5250	PASS
5755	30	120	5755.007760	5150 – 5250	PASS
5755	20	120	5754.965117	5150 – 5250	PASS
5755	10	120	5755.054030	5150 – 5250	PASS
5755	0	120	5754.934487	5150 – 5250	PASS
5755	-10	120	5755.031812	5150 – 5250	PASS
5755	-20	120	5754.911052	5150 – 5250	PASS
5755	-30	120	5754.929455	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.011433	5150 – 5250	PASS
5755	20	108	5754.983851	5150 – 5250	PASS
5755	50	120	5755.032834	5150 – 5250	PASS
5755	40	120	5754.976318	5150 – 5250	PASS
5755	30	120	5755.094250	5150 – 5250	PASS
5755	20	120	5754.927303	5150 – 5250	PASS
5755	10	120	5754.959114	5150 – 5250	PASS
5755	0	120	5755.012417	5150 – 5250	PASS
5755	-10	120	5754.961430	5150 – 5250	PASS
5755	-20	120	5755.028380	5150 – 5250	PASS
5755	-30	120	5754.925080	5150 – 5250	PASS



Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5795.021518	5150 – 5250	PASS
5795	20	108	5795.064998	5150 – 5250	PASS
5795	50	120	5794.937082	5150 – 5250	PASS
5795	40	120	5794.935851	5150 – 5250	PASS
5795	30	120	5795.004351	5150 – 5250	PASS
5795	20	120	5795.005902	5150 – 5250	PASS
5795	10	120	5794.972477	5150 – 5250	PASS
5795	0	120	5795.034897	5150 – 5250	PASS
5795	-10	120	5795.075472	5150 – 5250	PASS
5795	-20	120	5795.047135	5150 – 5250	PASS
5795	-30	120	5794.927437	5150 – 5250	PASS

Ant2

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.979507	5150 – 5250	PASS
5795	20	108	5794.997965	5150 – 5250	PASS
5795	50	120	5794.954680	5150 – 5250	PASS
5795	40	120	5794.984697	5150 – 5250	PASS
5795	30	120	5795.009145	5150 – 5250	PASS
5795	20	120	5795.056356	5150 – 5250	PASS
5795	10	120	5794.976371	5150 – 5250	PASS
5795	0	120	5794.984910	5150 – 5250	PASS
5795	-10	120	5794.944083	5150 – 5250	PASS
5795	-20	120	5794.942088	5150 – 5250	PASS
5795	-30	120	5794.994843	5150 – 5250	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5774.965405	5150 – 5250	PASS
5775	20	108	5774.994367	5150 – 5250	PASS
5775	50	120	5774.938197	5150 – 5250	PASS
5775	40	120	5775.074224	5150 – 5250	PASS
5775	30	120	5774.935089	5150 – 5250	PASS
5775	20	120	5775.047031	5150 – 5250	PASS
5775	10	120	5774.902518	5150 – 5250	PASS
5775	0	120	5775.002894	5150 – 5250	PASS
5775	-10	120	5774.953291	5150 – 5250	PASS
5775	-20	120	5774.991644	5150 – 5250	PASS
5775	-30	120	5775.008544	5150 – 5250	PASS

Ant2

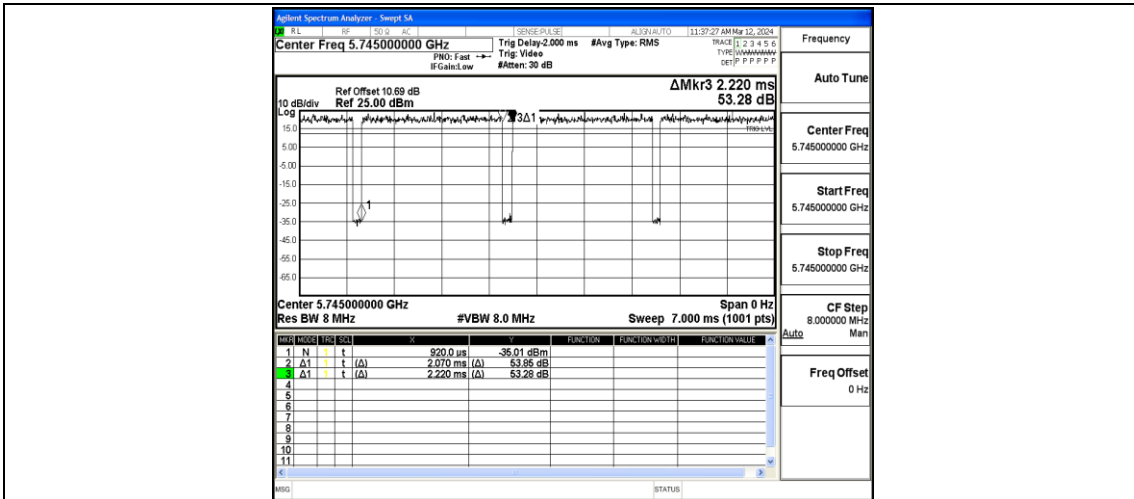
Frequency (MHz)	Environment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5775.099887	5150 – 5250	PASS
5775	20	108	5774.970316	5150 – 5250	PASS
5775	50	120	5775.078741	5150 – 5250	PASS
5775	40	120	5775.057213	5150 – 5250	PASS
5775	30	120	5775.042943	5150 – 5250	PASS
5775	20	120	5775.061343	5150 – 5250	PASS
5775	10	120	5774.992503	5150 – 5250	PASS
5775	0	120	5774.954255	5150 – 5250	PASS
5775	-10	120	5774.961814	5150 – 5250	PASS
5775	-20	120	5774.930620	5150 – 5250	PASS
5775	-30	120	5775.007608	5150 – 5250	PASS

## Appendix F: Duty Cycle

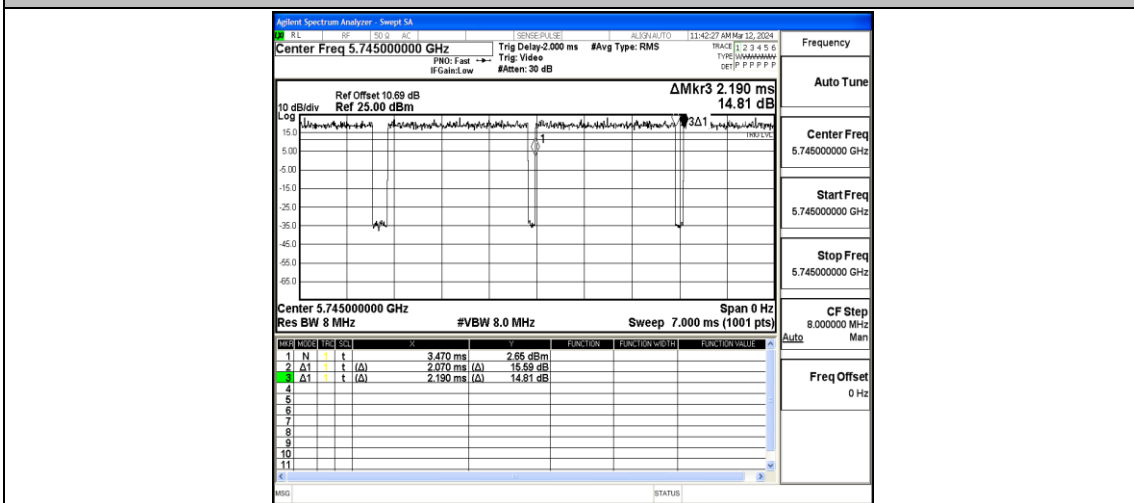
### Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [%]	1/T
11A	Ant1	5745	2.07	2.22	93.24	0.30	0.48
11A	Ant2	5745	2.07	2.19	94.52	0.24	0.48
11A	Ant1	5785	2.06	2.26	91.15	0.40	0.49
11A	Ant2	5785	2.06	2.27	90.75	0.42	0.49
11A	Ant1	5825	2.07	2.24	92.41	0.34	0.48
11A	Ant2	5825	2.07	2.21	93.67	0.28	0.48
11N20MIMO	Ant1	5745	1.92	2.15	89.30	0.49	0.52
11N20MIMO	Ant2	5745	1.92	2.16	88.89	0.51	0.52
11N20MIMO	Ant1	5785	1.91	2.12	90.09	0.45	0.52
11N20MIMO	Ant2	5785	1.92	2.14	89.72	0.47	0.52
11N20MIMO	Ant1	5825	1.92	2.07	92.75	0.33	0.52
11N20MIMO	Ant2	5825	1.92	2.07	92.75	0.33	0.52
11N40MIMO	Ant1	5755	0.95	1.15	82.61	0.83	1.05
11N40MIMO	Ant2	5755	0.95	1.18	80.51	0.94	1.05
11N40MIMO	Ant1	5795	0.95	1.13	84.07	0.75	1.05
11N40MIMO	Ant2	5795	0.94	1.06	88.68	0.52	1.06
11AC20MIMO	Ant1	5745	0.20	0.45	44.44	3.52	5.00
11AC20MIMO	Ant2	5745	0.20	0.45	44.44	3.52	5.00
11AC20MIMO	Ant1	5785	0.20	0.43	46.51	3.32	5.00
11AC20MIMO	Ant2	5785	0.20	0.46	43.48	3.62	5.00
11AC20MIMO	Ant1	5825	0.20	0.43	46.51	3.32	5.00
11AC20MIMO	Ant2	5825	0.21	0.46	45.65	3.41	4.76
11AC40MIMO	Ant1	5755	0.11	0.34	32.35	4.90	9.09
11AC40MIMO	Ant2	5755	0.11	0.34	32.35	4.90	9.09
11AC40MIMO	Ant1	5795	0.11	0.30	36.67	4.36	9.09
11AC40MIMO	Ant2	5795	0.11	0.37	29.73	5.27	9.09
11AC80MIMO	Ant1	5775	0.12	0.33	36.36	4.39	8.33
11AC80MIMO	Ant2	5775	0.07	0.33	21.21	6.73	14.29

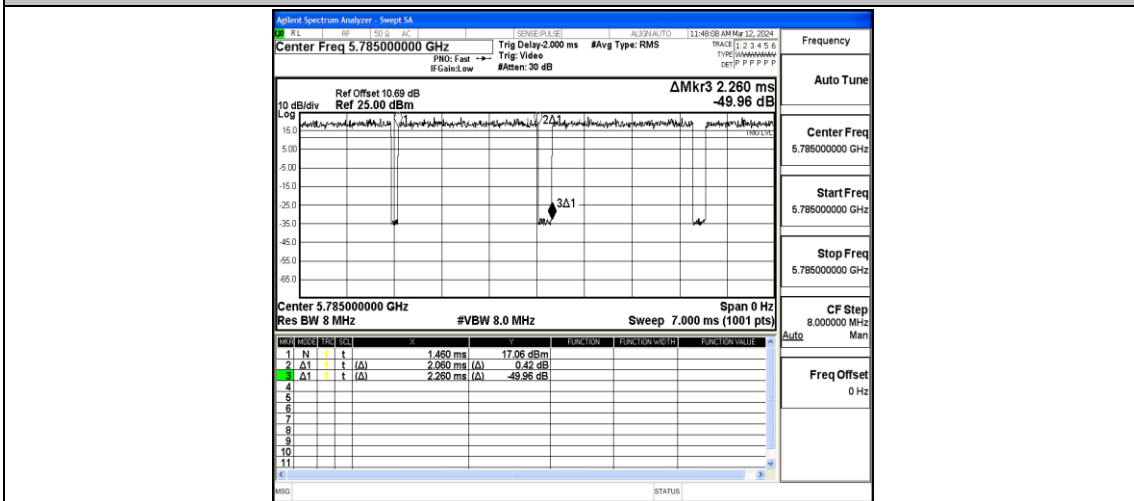
### Test Graphs



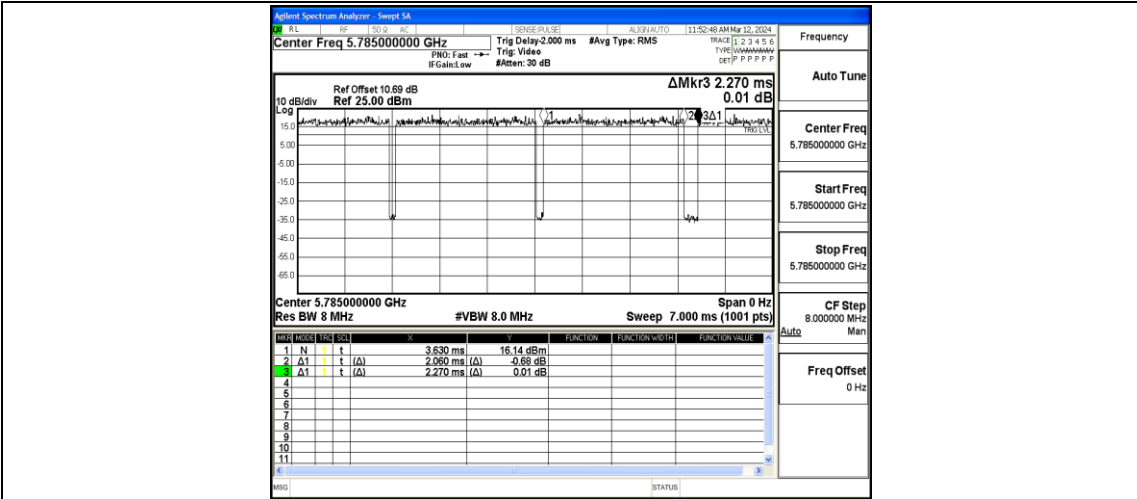
NTNV-11A-Ant1-5745



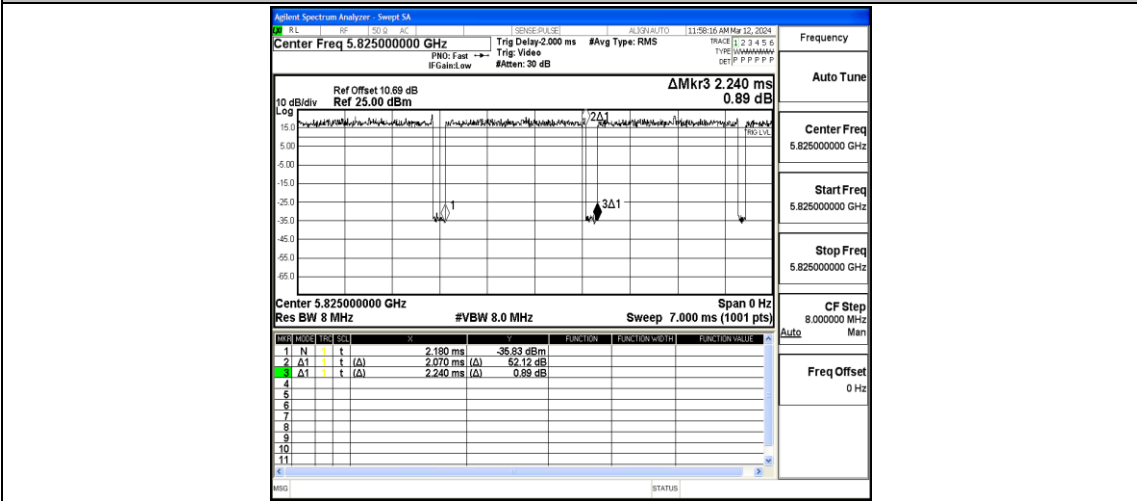
NTNV-11A-Ant2-5745



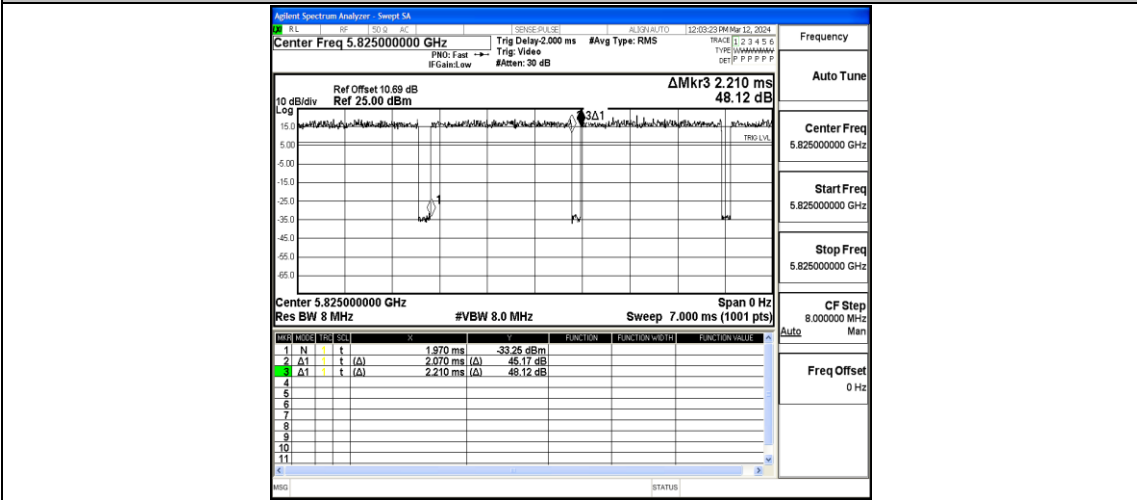
NTNV-11A-Ant1-5785



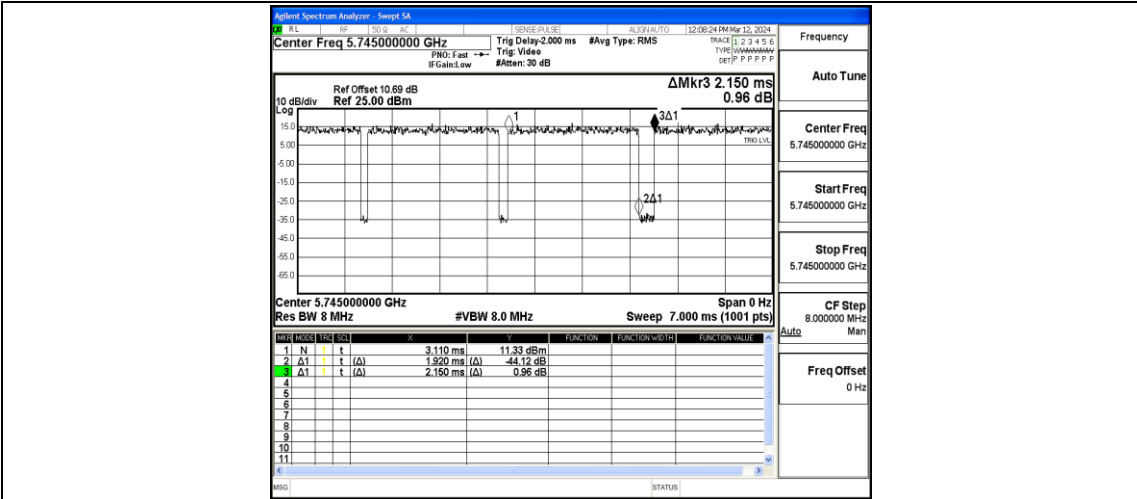
NTNV-11A-Ant2-5785



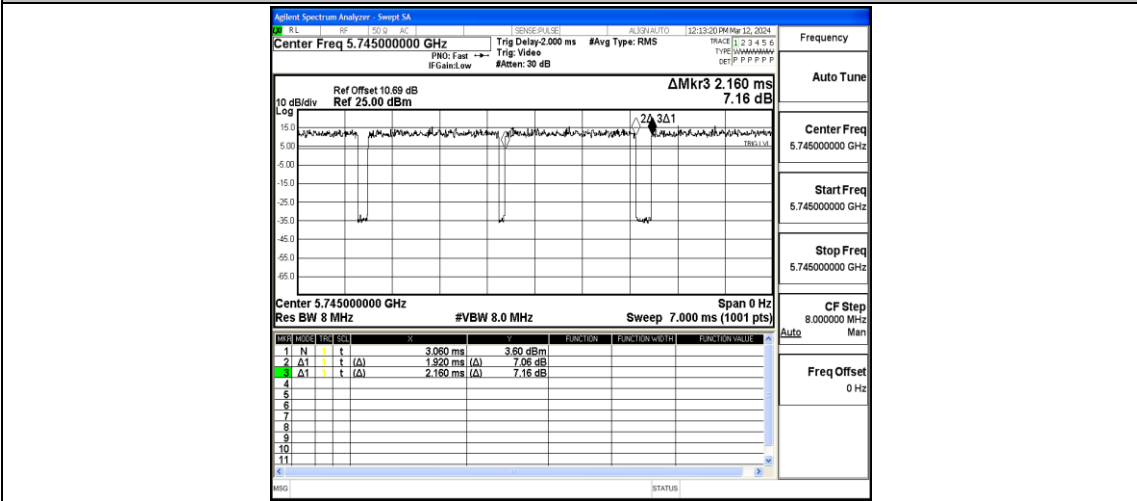
NTNV-11A-Ant1-5825



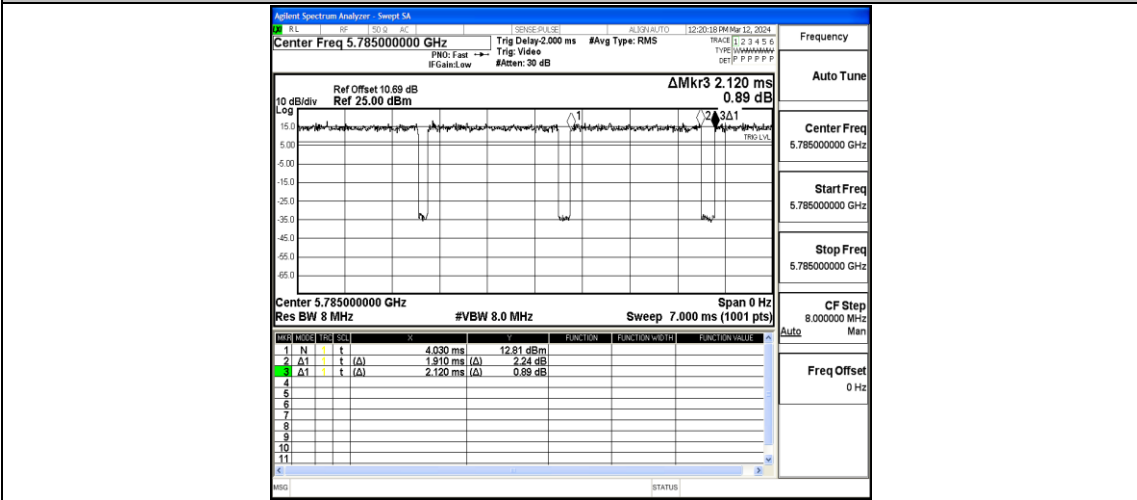
NTNV-11A-Ant2-5825



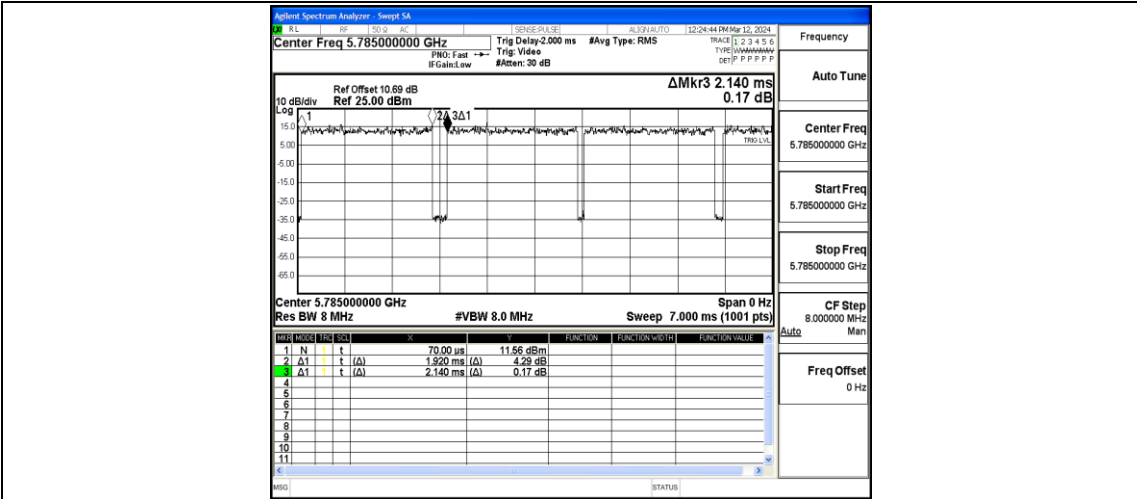
NTVN-11N20MIMO-Ant1-5745



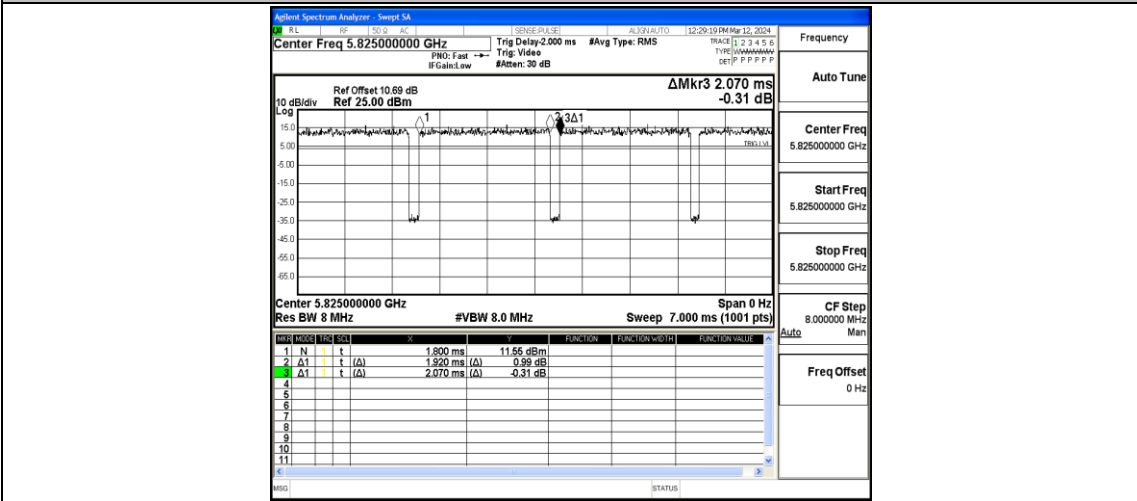
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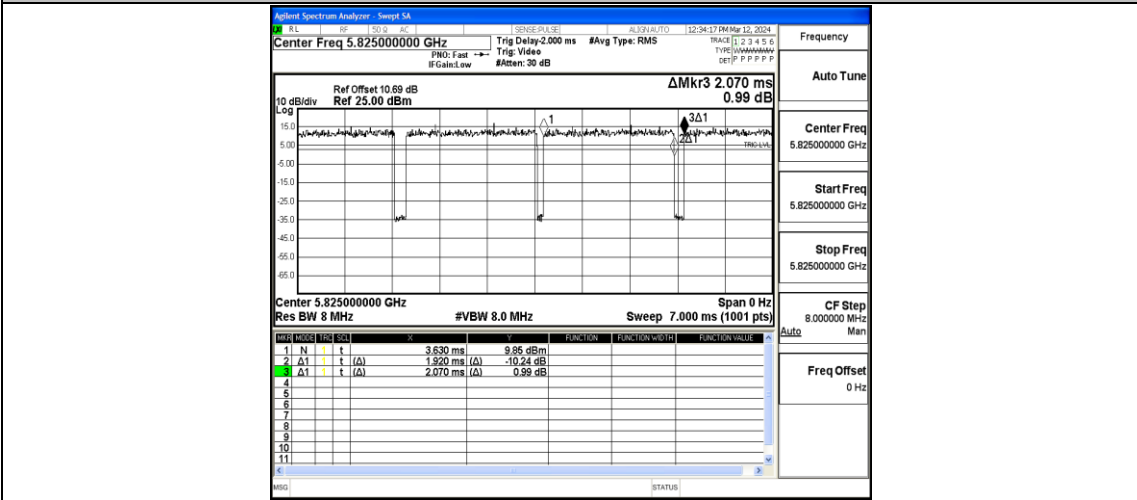
NTVN-11N20MIMO-Ant1-5785



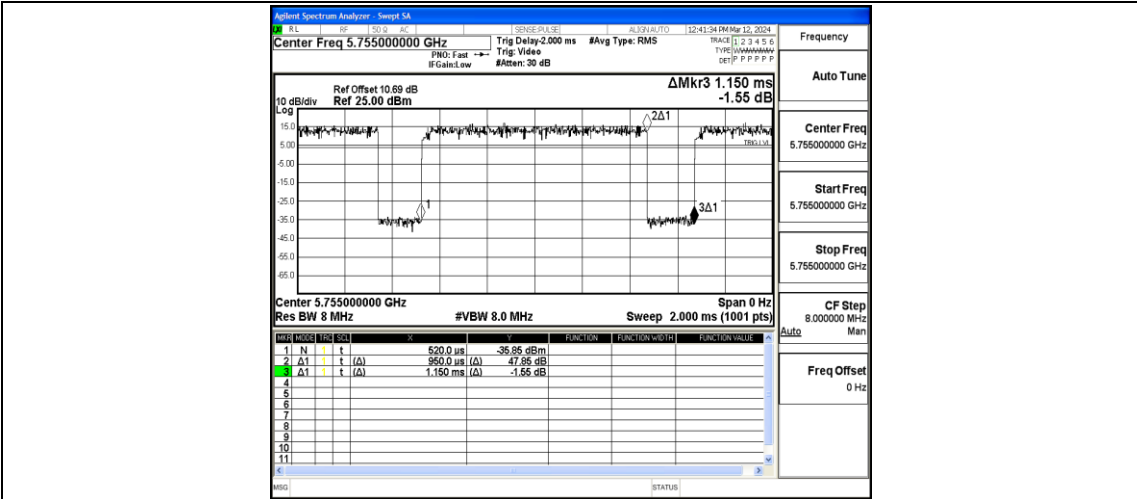
NTVN-11N20MIMO-Ant2-5785



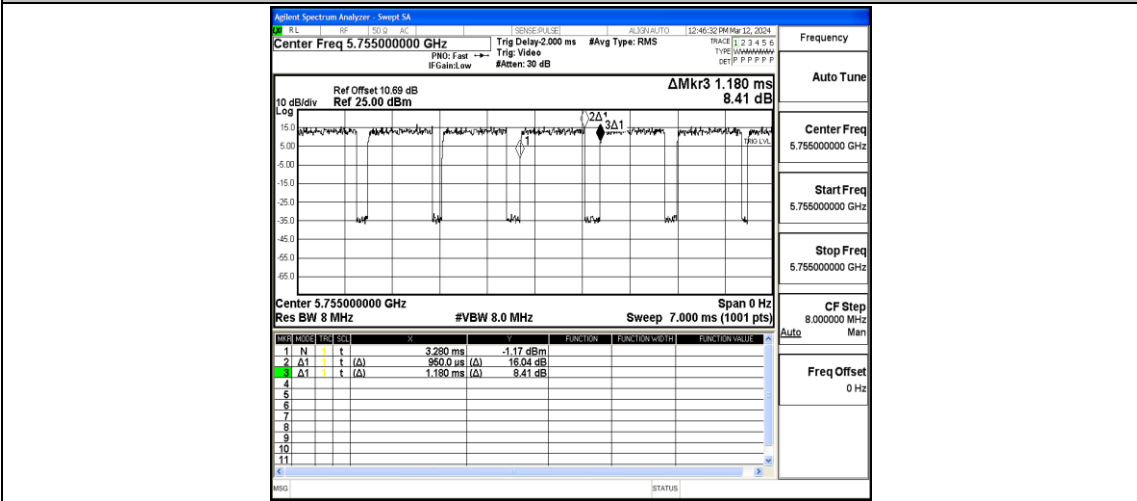
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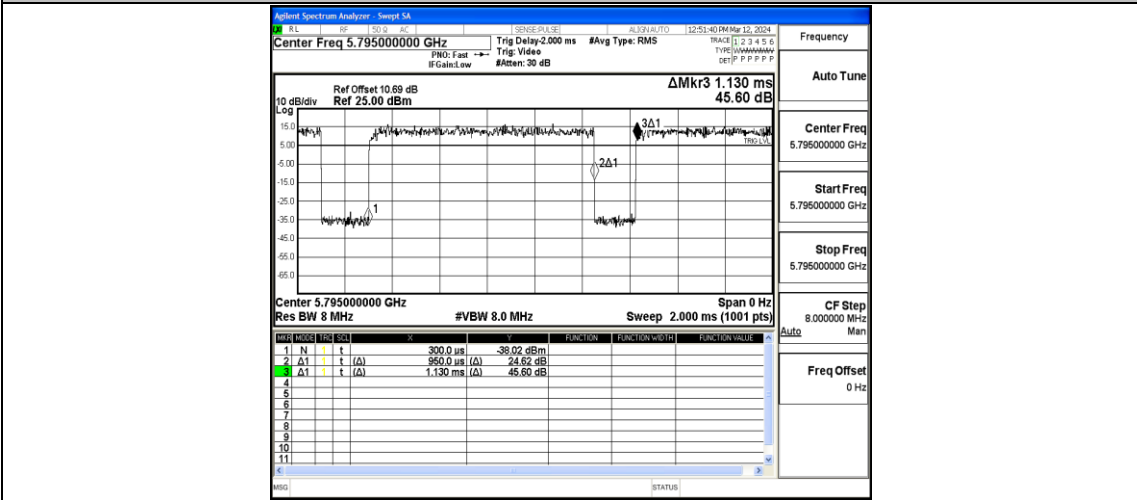
NTVN-11N20MIMO-Ant2-5825



NTVN-11N40MIMO-Ant1-5755

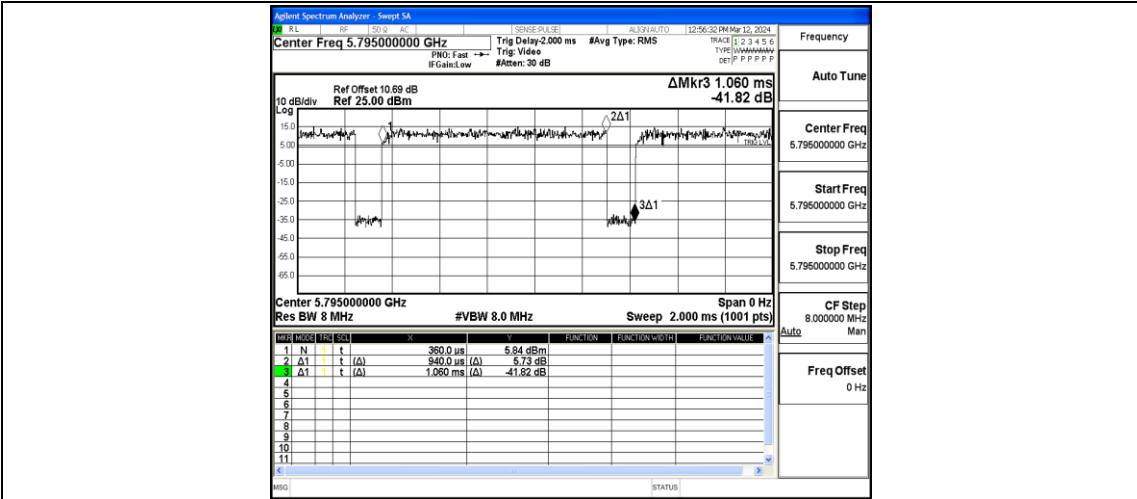


NTVN-11N40MIMO-Ant2-5755

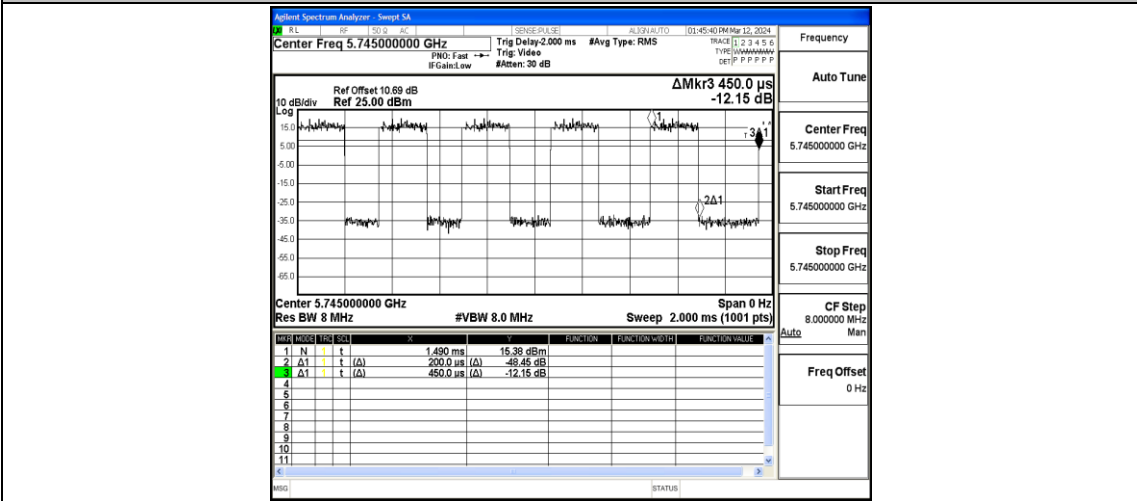


NTVN-11N40MIMO-Ant1-5795

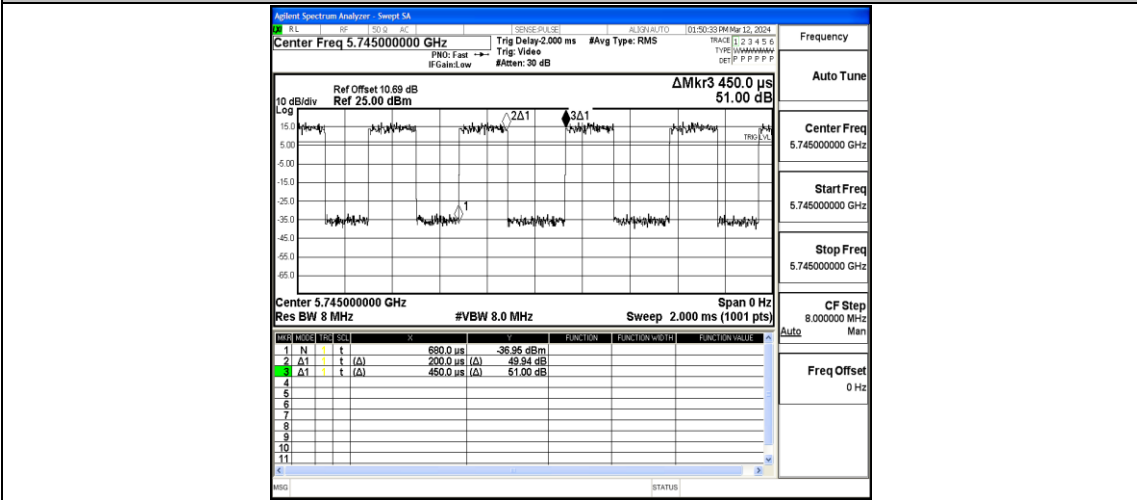




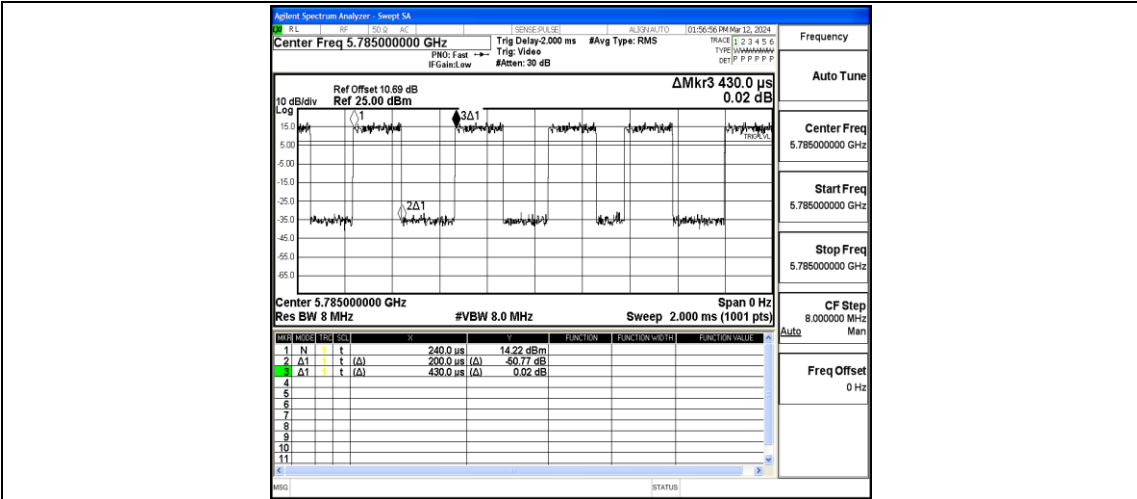
NTNV-11N40MIMO-Ant2-5795



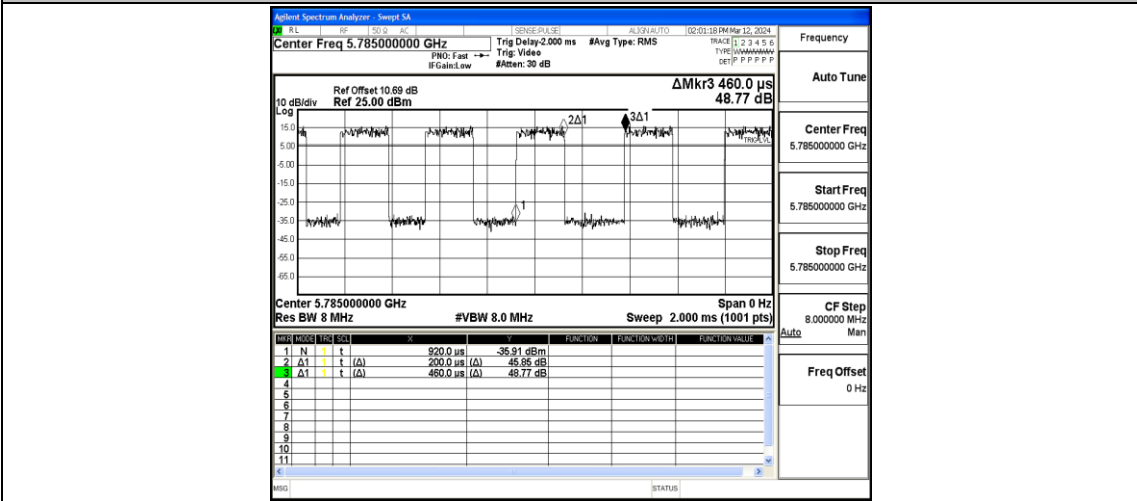
NTNV-11AC20MIMO-Ant1-5745



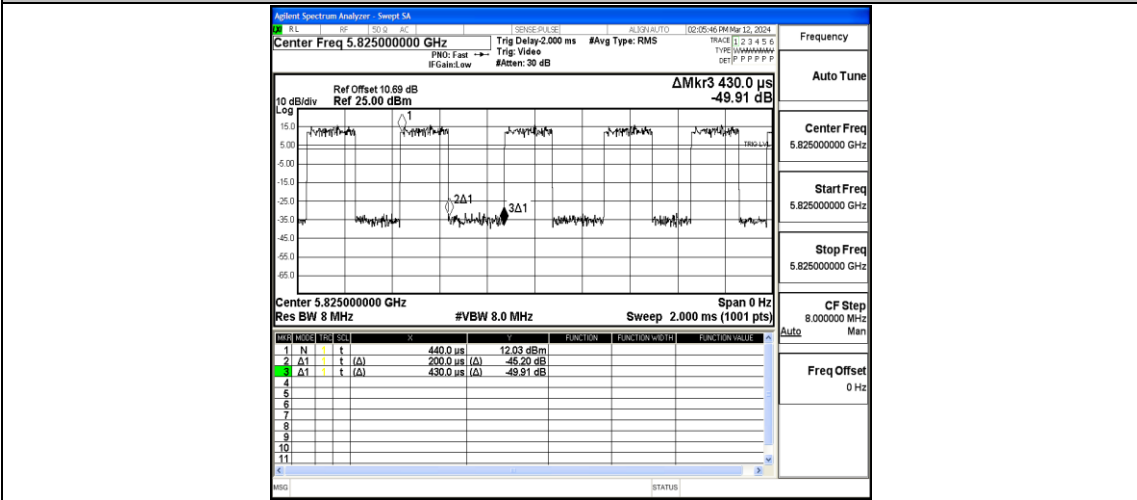
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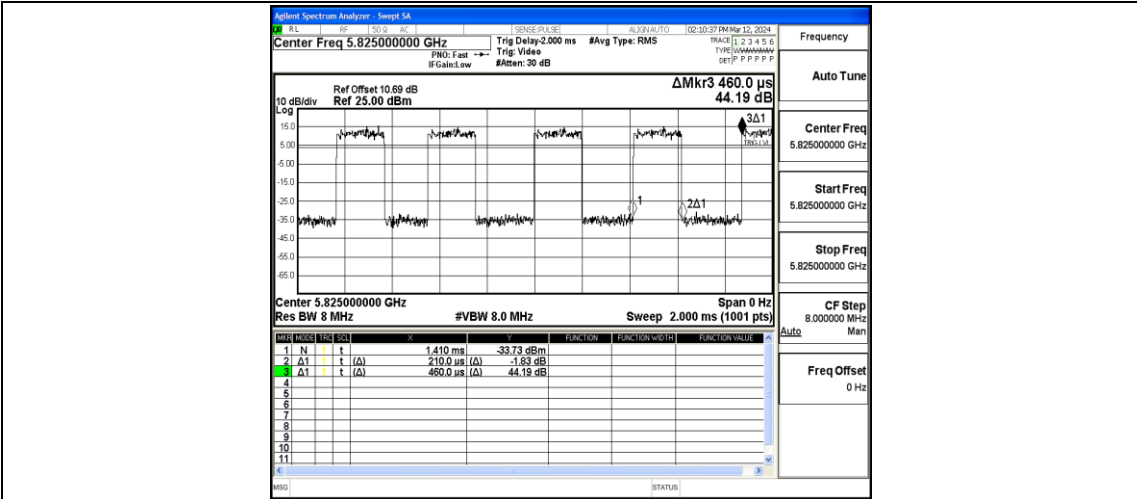
NTNV-11AC20MIMO-Ant1-5785



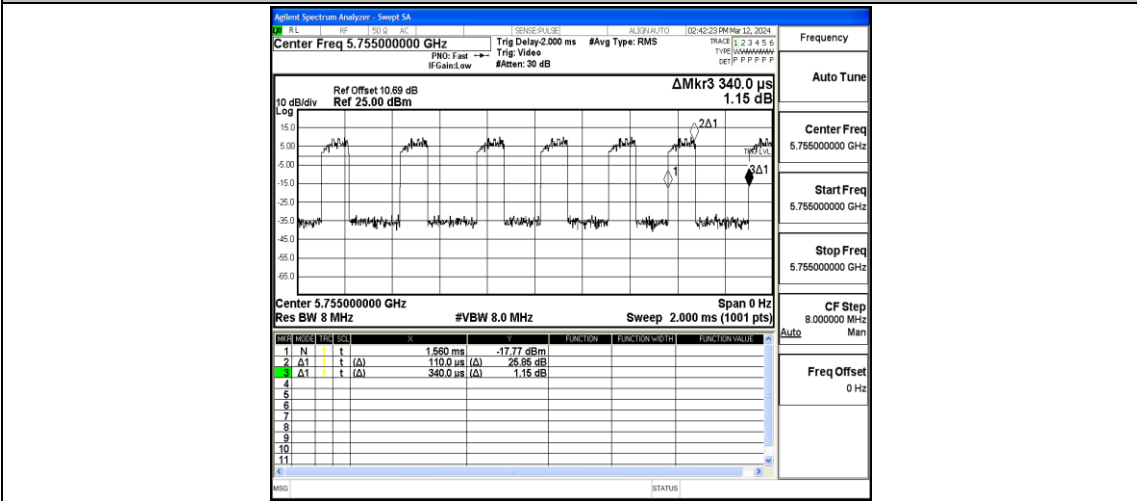
NTNV-11AC20MIMO-Ant2-5785



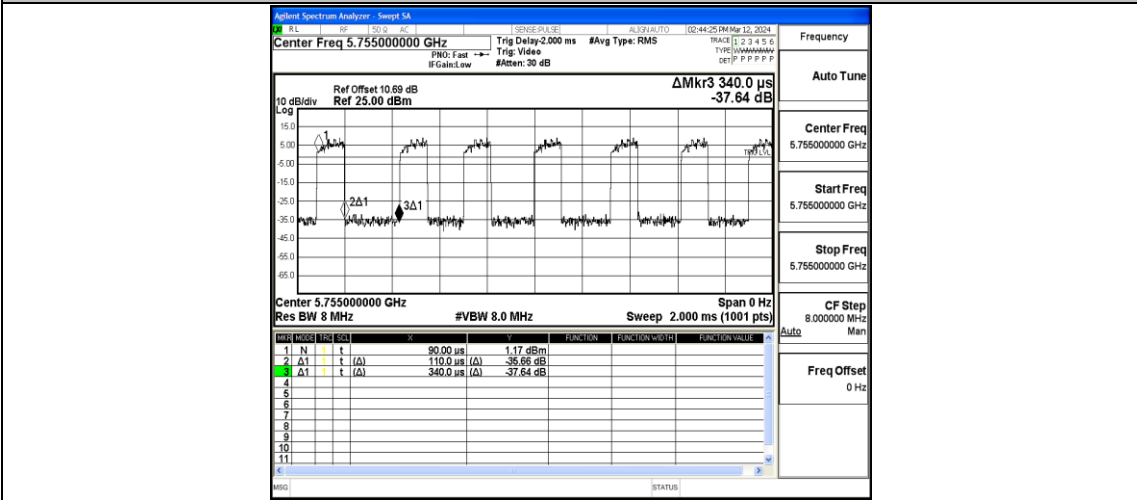
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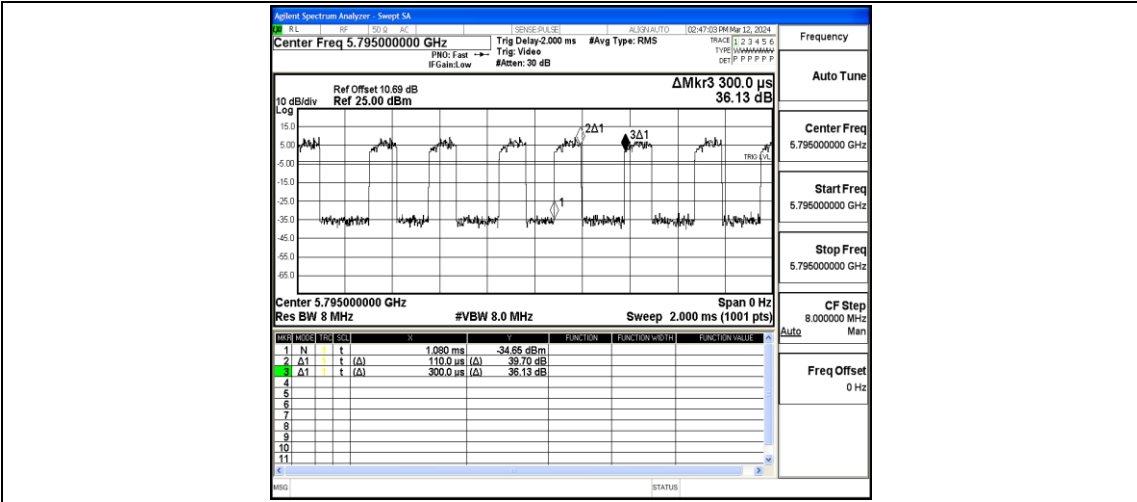
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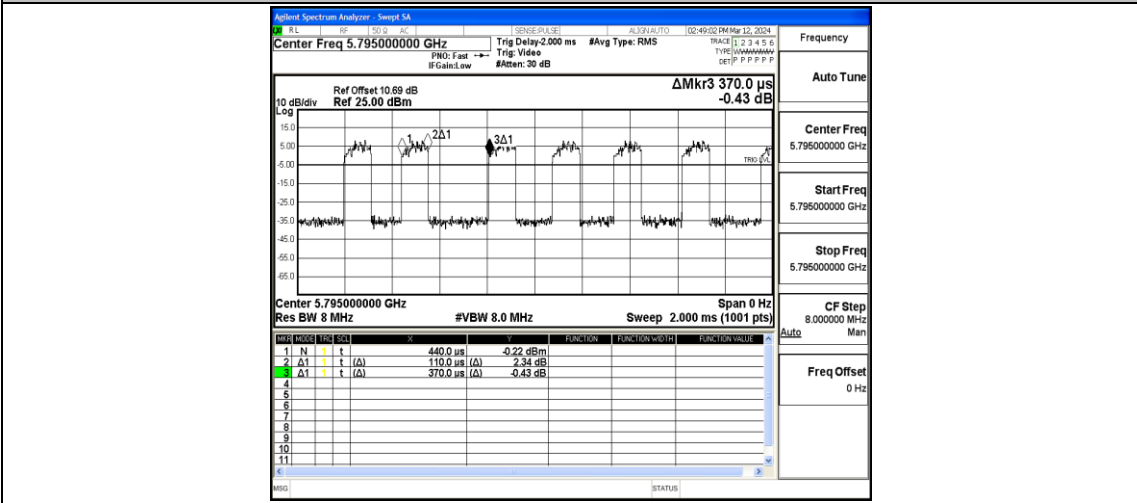
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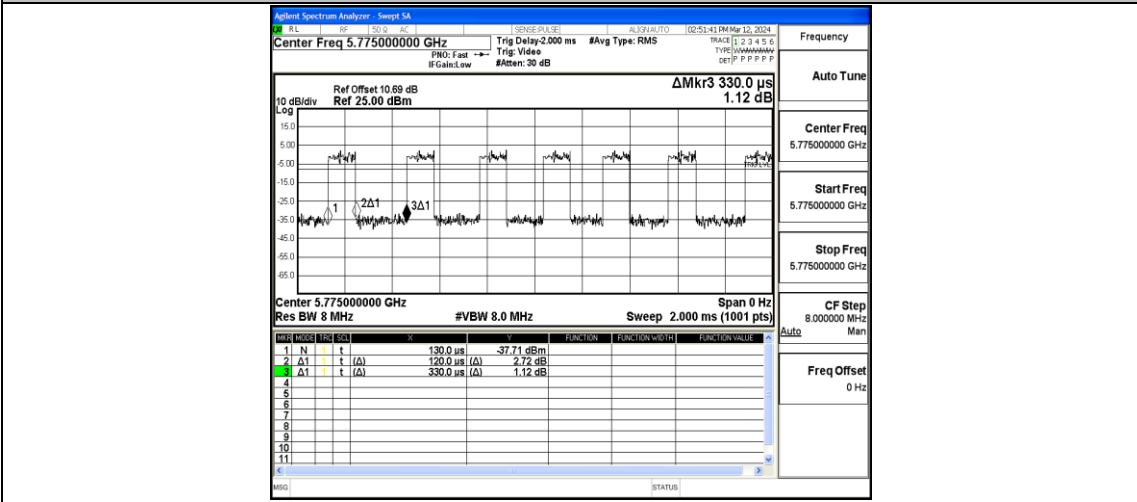
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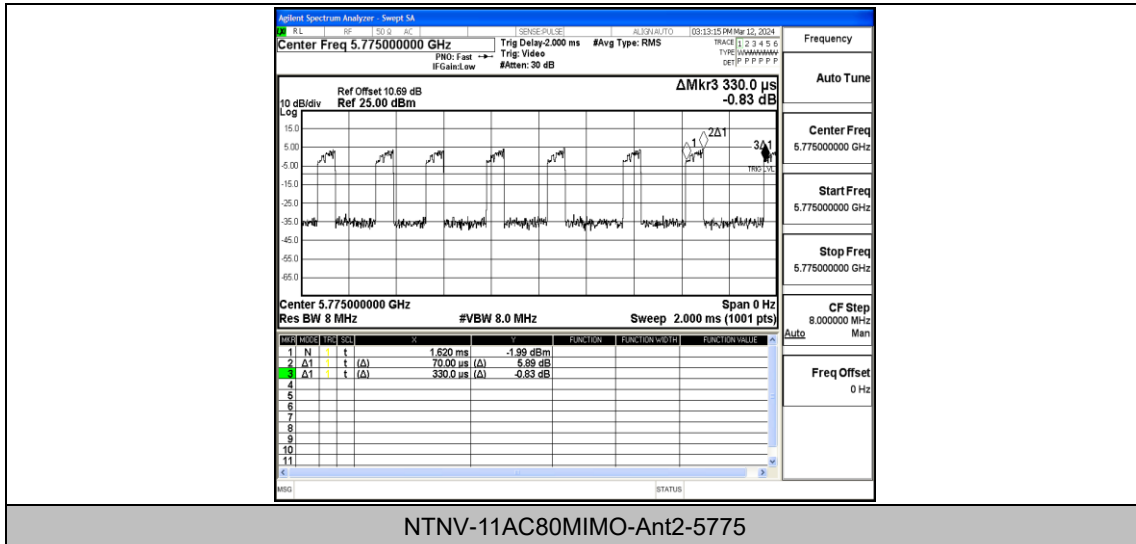
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NTNV-11AC40MIMO-Ant2-5795



NTNV-11AC80MIMO-Ant1-5775



NTNV-11AC80MIMO-Ant2-5775