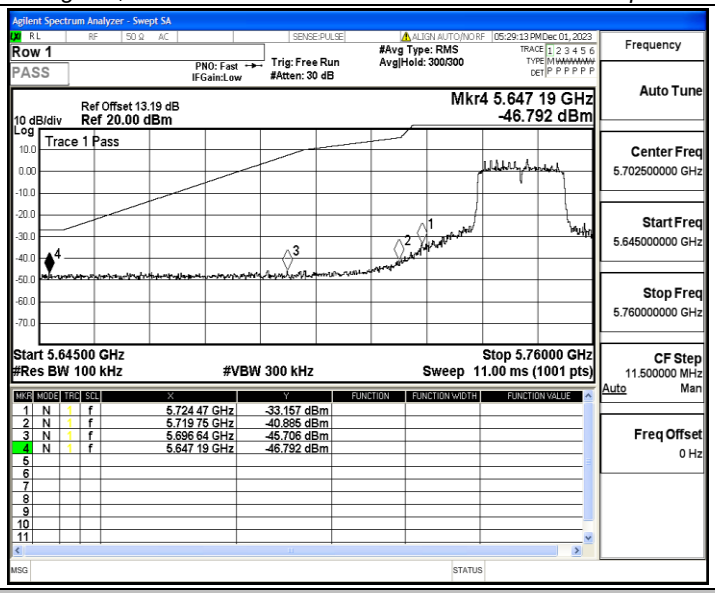
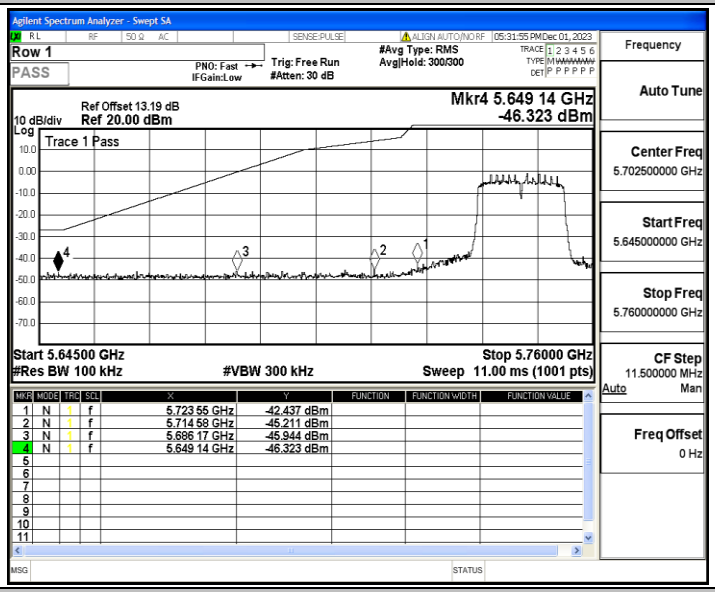
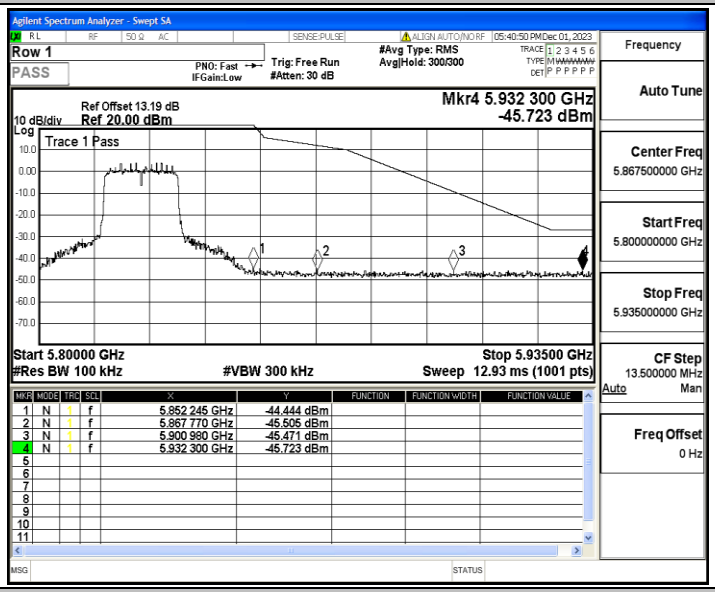


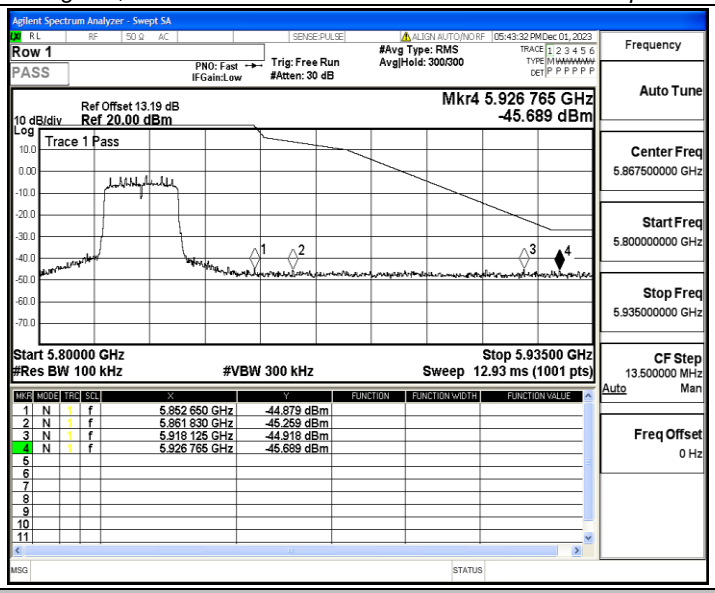
11AC20MIMO_Ant2_Low_5745



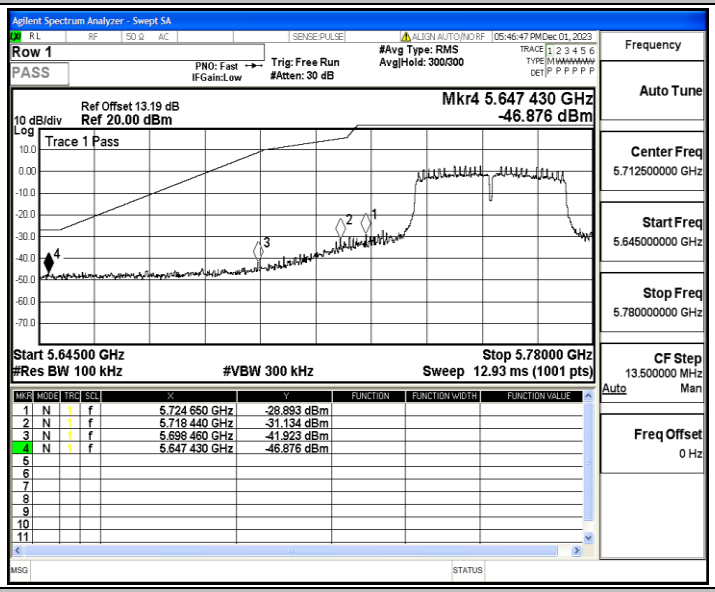
11AC20MIMO_Ant1_High_5825



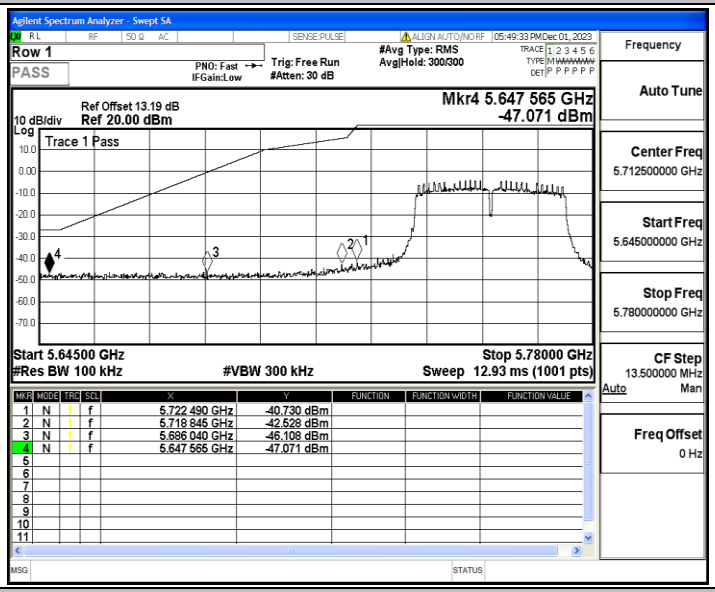
11AC20MIMO_Ant2_High_5825



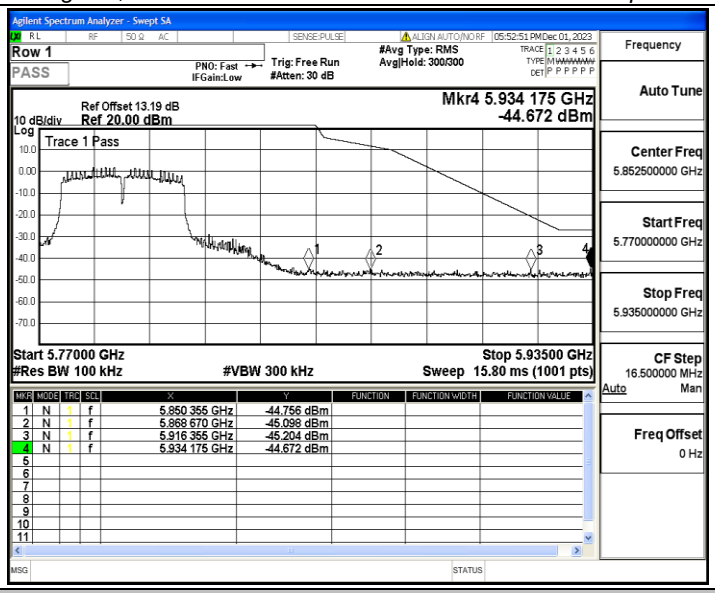
11AC40MIMO_Ant1_Low_5755



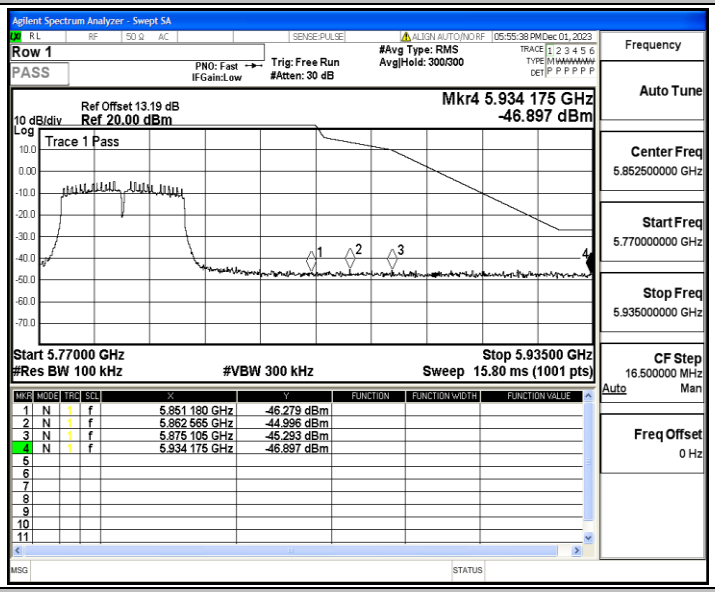
11AC40MIMO_Ant2_Low_5755



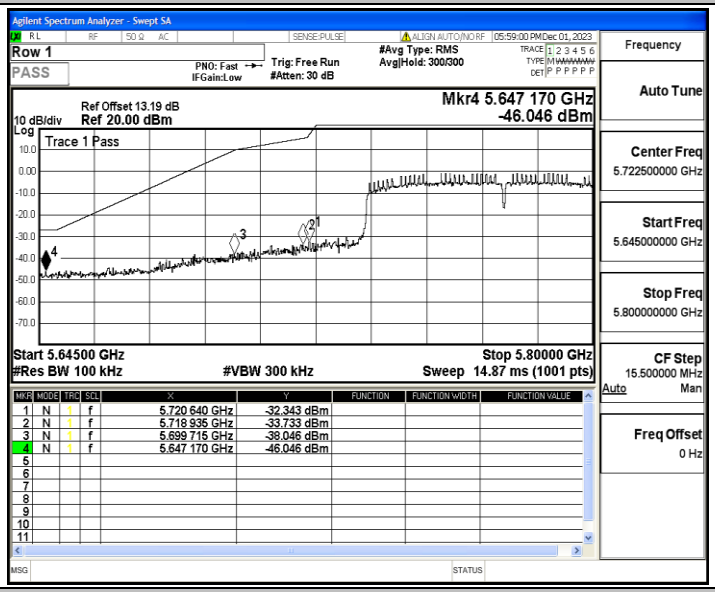
11AC40MIMO_Ant1_High_5795



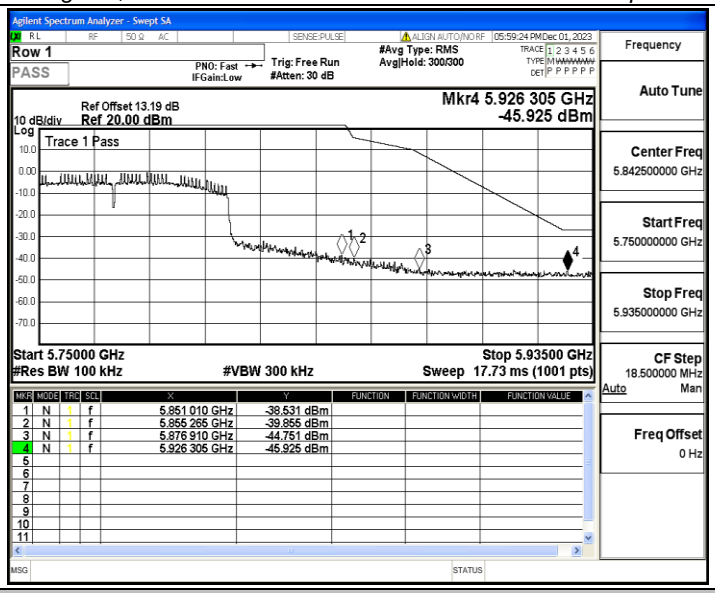
11AC40MIMO_Ant2_High_5795



11AC80MIMO_Ant1_Low_5775



11AC80MIMO_Ant1_High_5775



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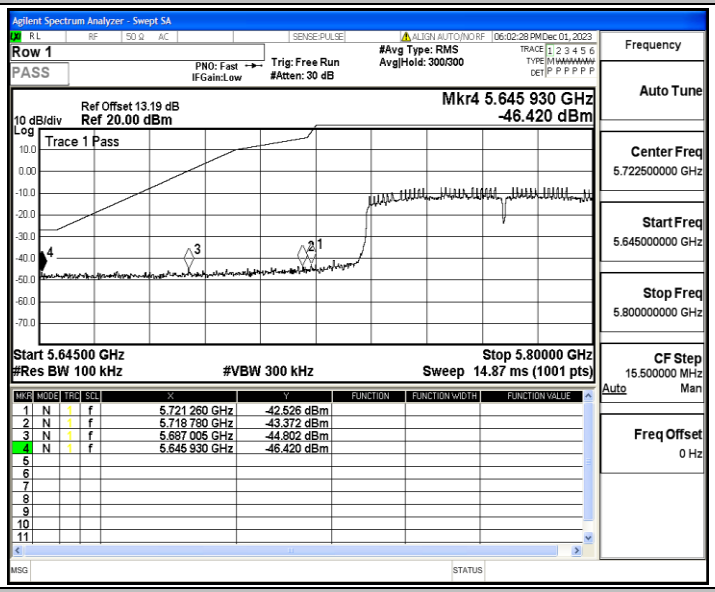
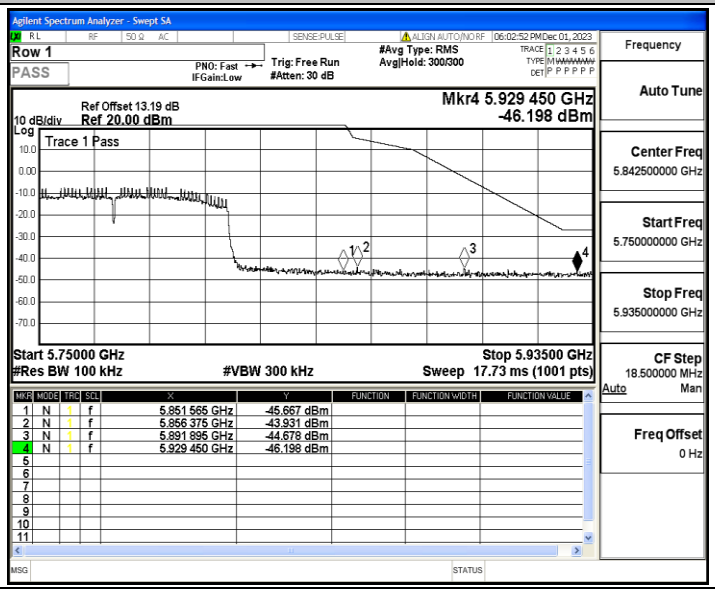


11AC80MIMO_Ant2_High_5775



Appendix E: Frequency Stability

Test Result

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.977155	5150 – 5250	PASS
5745	20	108	5744.977444	5150 – 5250	PASS
5745	50	120	5744.936003	5150 – 5250	PASS
5745	40	120	5745.094989	5150 – 5250	PASS
5745	30	120	5744.916967	5150 – 5250	PASS
5745	20	120	5744.908576	5150 – 5250	PASS
5745	10	120	5745.028912	5150 – 5250	PASS
5745	0	120	5745.075761	5150 – 5250	PASS
5745	-10	120	5744.971148	5150 – 5250	PASS
5745	-20	120	5745.045691	5150 – 5250	PASS
5745	-30	120	5744.908209	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.963597	5150 – 5250	PASS
5745	20	108	5744.911870	5150 – 5250	PASS
5745	50	120	5744.941853	5150 – 5250	PASS
5745	40	120	5745.050642	5150 – 5250	PASS
5745	30	120	5744.980956	5150 – 5250	PASS
5745	20	120	5745.027635	5150 – 5250	PASS
5745	10	120	5745.054459	5150 – 5250	PASS
5745	0	120	5745.054078	5150 – 5250	PASS
5745	-10	120	5744.995109	5150 – 5250	PASS
5745	-20	120	5744.906698	5150 – 5250	PASS
5745	-30	120	5745.062733	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5785.024962	5150 – 5250	PASS
5785	20	108	5785.088582	5150 – 5250	PASS
5785	50	120	5784.971679	5150 – 5250	PASS
5785	40	120	5785.082835	5150 – 5250	PASS
5785	30	120	5784.990236	5150 – 5250	PASS
5785	20	120	5784.933496	5150 – 5250	PASS
5785	10	120	5785.051688	5150 – 5250	PASS
5785	0	120	5784.990270	5150 – 5250	PASS
5785	-10	120	5785.014454	5150 – 5250	PASS
5785	-20	120	5784.991173	5150 – 5250	PASS
5785	-30	120	5785.019367	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5785.056685	5150 – 5250	PASS
5785	20	108	5785.096800	5150 – 5250	PASS
5785	50	120	5785.040332	5150 – 5250	PASS
5785	40	120	5784.903088	5150 – 5250	PASS
5785	30	120	5784.901435	5150 – 5250	PASS
5785	20	120	5784.991871	5150 – 5250	PASS
5785	10	120	5785.041946	5150 – 5250	PASS
5785	0	120	5784.968828	5150 – 5250	PASS
5785	-10	120	5784.977530	5150 – 5250	PASS
5785	-20	120	5785.048202	5150 – 5250	PASS
5785	-30	120	5784.960628	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5825.066021	5150 – 5250	PASS
5825	20	108	5825.011519	5150 – 5250	PASS
5825	50	120	5825.052723	5150 – 5250	PASS
5825	40	120	5825.039352	5150 – 5250	PASS
5825	30	120	5824.985591	5150 – 5250	PASS
5825	20	120	5825.086314	5150 – 5250	PASS
5825	10	120	5825.080678	5150 – 5250	PASS
5825	0	120	5825.024927	5150 – 5250	PASS
5825	-10	120	5825.031197	5150 – 5250	PASS
5825	-20	120	5824.983577	5150 – 5250	PASS
5825	-30	120	5825.062528	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5825.009813	5150 – 5250	PASS
5825	20	108	5824.958382	5150 – 5250	PASS
5825	50	120	5825.031404	5150 – 5250	PASS
5825	40	120	5825.035213	5150 – 5250	PASS
5825	30	120	5824.965538	5150 – 5250	PASS
5825	20	120	5825.086676	5150 – 5250	PASS
5825	10	120	5825.066452	5150 – 5250	PASS
5825	0	120	5825.006390	5150 – 5250	PASS
5825	-10	120	5825.087559	5150 – 5250	PASS
5825	-20	120	5824.984652	5150 – 5250	PASS
5825	-30	120	5825.043436	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.018314	5150 – 5250	PASS
5755	20	108	5754.912621	5150 – 5250	PASS
5755	50	120	5755.038062	5150 – 5250	PASS
5755	40	120	5755.033000	5150 – 5250	PASS
5755	30	120	5754.978038	5150 – 5250	PASS
5755	20	120	5755.069638	5150 – 5250	PASS
5755	10	120	5754.950343	5150 – 5250	PASS
5755	0	120	5754.999267	5150 – 5250	PASS
5755	-10	120	5755.042288	5150 – 5250	PASS
5755	-20	120	5754.923175	5150 – 5250	PASS
5755	-30	120	5755.056474	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.079288	5150 – 5250	PASS
5755	20	108	5754.924228	5150 – 5250	PASS
5755	50	120	5755.005030	5150 – 5250	PASS
5755	40	120	5755.035872	5150 – 5250	PASS
5755	30	120	5754.938527	5150 – 5250	PASS
5755	20	120	5754.965133	5150 – 5250	PASS
5755	10	120	5754.941325	5150 – 5250	PASS
5755	0	120	5754.951228	5150 – 5250	PASS
5755	-10	120	5754.981403	5150 – 5250	PASS
5755	-20	120	5755.047843	5150 – 5250	PASS
5755	-30	120	5755.052461	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.981985	5150 – 5250	PASS
5795	20	108	5794.968582	5150 – 5250	PASS
5795	50	120	5795.079799	5150 – 5250	PASS
5795	40	120	5794.948210	5150 – 5250	PASS
5795	30	120	5794.951238	5150 – 5250	PASS
5795	20	120	5794.907153	5150 – 5250	PASS
5795	10	120	5794.957403	5150 – 5250	PASS
5795	0	120	5794.976399	5150 – 5250	PASS
5795	-10	120	5794.914922	5150 – 5250	PASS
5795	-20	120	5795.007032	5150 – 5250	PASS
5795	-30	120	5795.005992	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.905413	5150 – 5250	PASS
5795	20	108	5794.902603	5150 – 5250	PASS
5795	50	120	5794.920987	5150 – 5250	PASS
5795	40	120	5795.056933	5150 – 5250	PASS
5795	30	120	5795.097292	5150 – 5250	PASS
5795	20	120	5794.902475	5150 – 5250	PASS
5795	10	120	5794.908070	5150 – 5250	PASS
5795	0	120	5794.985748	5150 – 5250	PASS
5795	-10	120	5795.024469	5150 – 5250	PASS
5795	-20	120	5794.967623	5150 – 5250	PASS
5795	-30	120	5794.919508	5150 – 5250	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5775.033893	5150 – 5250	PASS
5775	20	108	5774.982311	5150 – 5250	PASS
5775	50	120	5774.974485	5150 – 5250	PASS
5775	40	120	5775.050270	5150 – 5250	PASS
5775	30	120	5775.084246	5150 – 5250	PASS
5775	20	120	5774.970042	5150 – 5250	PASS
5775	10	120	5774.932879	5150 – 5250	PASS
5775	0	120	5774.915172	5150 – 5250	PASS
5775	-10	120	5775.024049	5150 – 5250	PASS
5775	-20	120	5774.916356	5150 – 5250	PASS
5775	-30	120	5775.040674	5150 – 5250	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5774.909130	5150 – 5250	PASS
5775	20	108	5774.979041	5150 – 5250	PASS
5775	50	120	5774.904548	5150 – 5250	PASS
5775	40	120	5775.065209	5150 – 5250	PASS
5775	30	120	5775.020000	5150 – 5250	PASS
5775	20	120	5775.077040	5150 – 5250	PASS
5775	10	120	5775.008857	5150 – 5250	PASS
5775	0	120	5774.946957	5150 – 5250	PASS
5775	-10	120	5774.913879	5150 – 5250	PASS
5775	-20	120	5775.008561	5150 – 5250	PASS
5775	-30	120	5775.002193	5150 – 5250	PASS

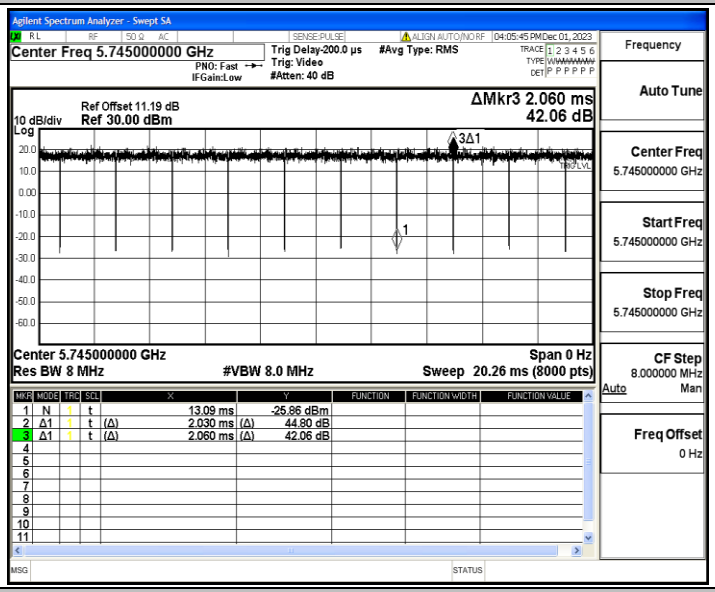
Appendix F: Duty Cycle

Test Result

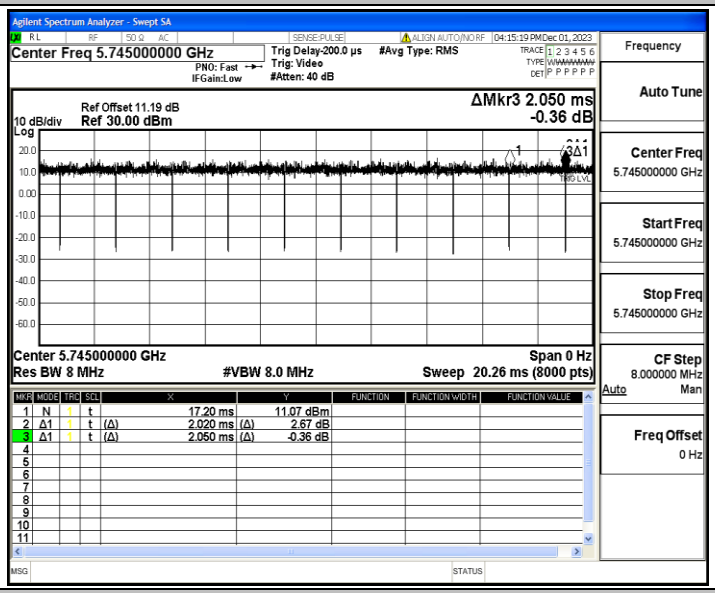
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
11A	Ant1	5745	2.03	2.06	98.54	0.49
	Ant2	5745	2.02	2.05	98.54	0.50
	Ant1	5785	2.02	2.05	98.54	0.50
	Ant2	5785	2.03	2.05	99.02	0.49
	Ant1	5825	2.02	2.05	98.54	0.50
	Ant2	5825	2.02	2.05	98.54	0.50
11N20MIMO	Ant1	5745	2.02	2.05	98.54	0.50
	Ant2	5745	2.02	2.05	98.54	0.50
	Ant1	5785	2.02	2.05	98.54	0.50
	Ant2	5785	2.02	2.05	98.54	0.50
	Ant1	5825	2.02	2.05	98.54	0.50
	Ant2	5825	2.02	2.05	98.54	0.50
11N40MIMO	Ant1	5755	0.93	0.96	96.88	1.08
	Ant2	5755	0.93	0.96	96.88	1.08
	Ant1	5795	0.93	0.96	96.88	1.08
	Ant2	5795	0.93	0.96	96.88	1.08
11AC20MIMO	Ant1	5745	1.89	1.92	98.44	0.53
	Ant2	5745	1.89	1.92	98.44	0.53
	Ant1	5785	1.89	1.92	98.44	0.53
	Ant2	5785	1.89	1.92	98.44	0.53
	Ant1	5825	1.89	1.92	98.44	0.53
	Ant2	5825	1.89	1.92	98.44	0.53
11AC40MIMO	Ant1	5755	0.94	0.96	97.92	1.06
	Ant2	5755	0.94	0.96	97.92	1.06
	Ant1	5795	0.93	0.96	96.88	1.08
	Ant2	5795	0.94	0.96	97.92	1.06
11AC80MIMO	Ant1	5775	0.45	0.48	93.75	2.22
	Ant2	5775	0.45	0.48	93.75	2.22

Test Graphs

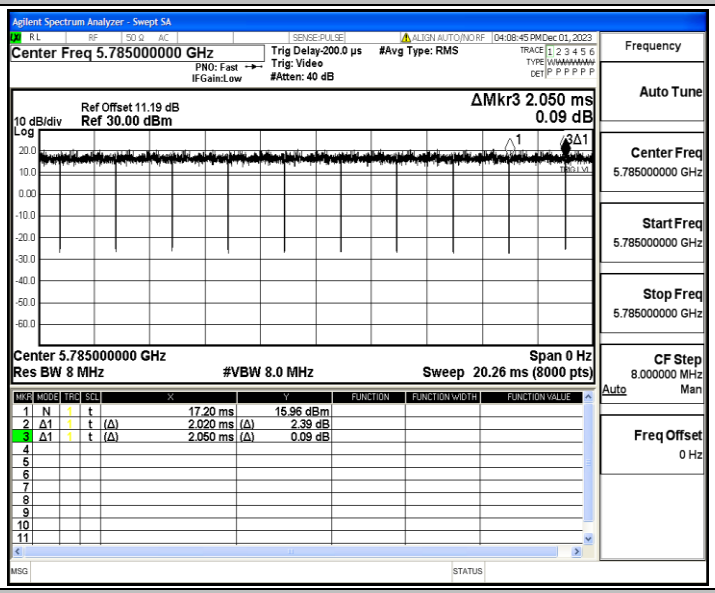
11A_Ant1_5745



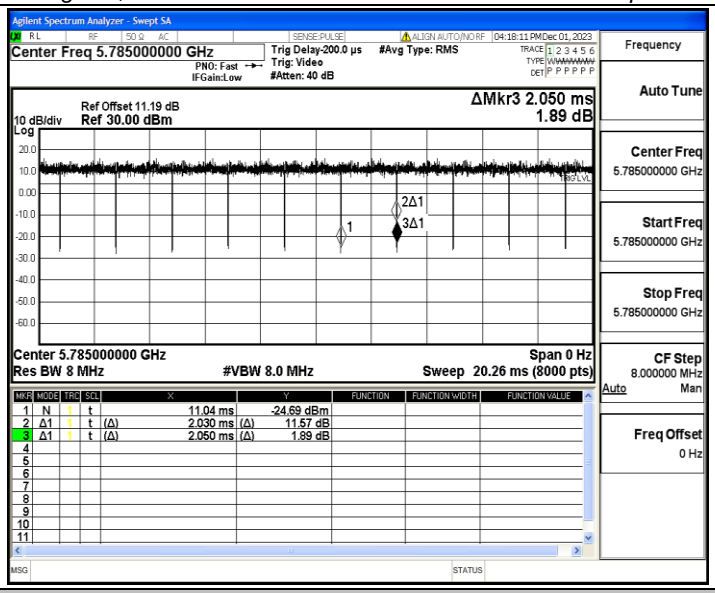
11A_Ant2_5745



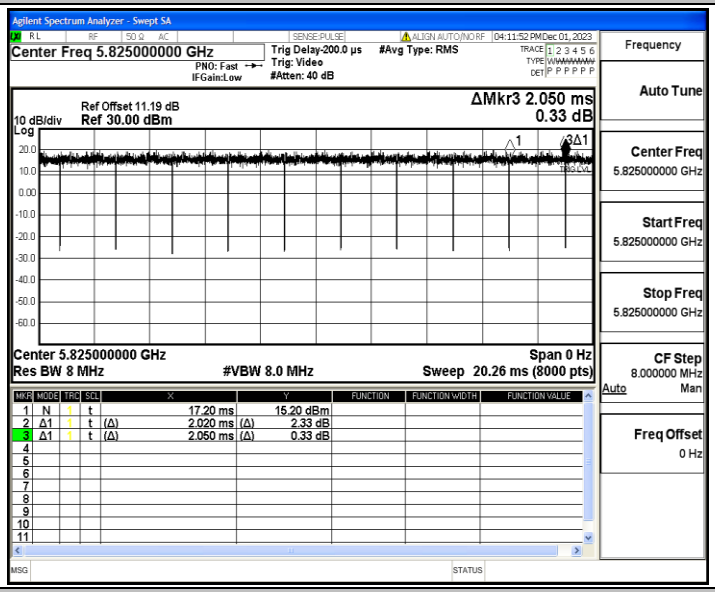
11A_Ant1_5785



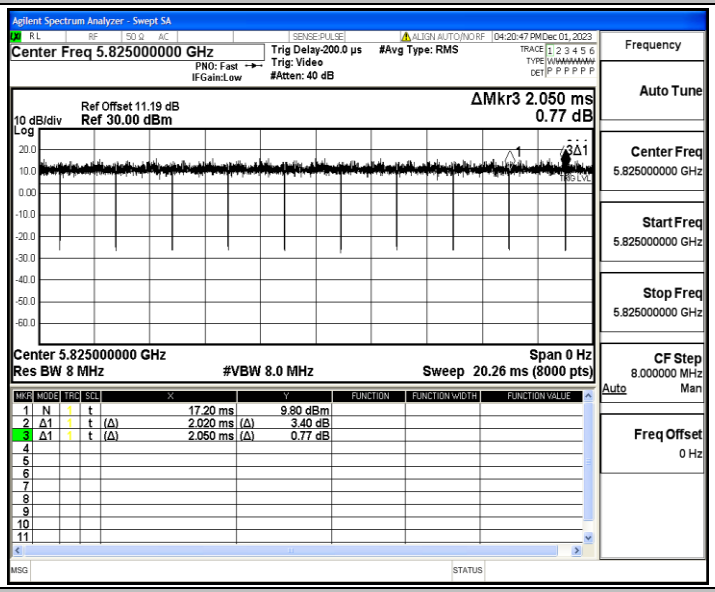
11A_Ant2_5785



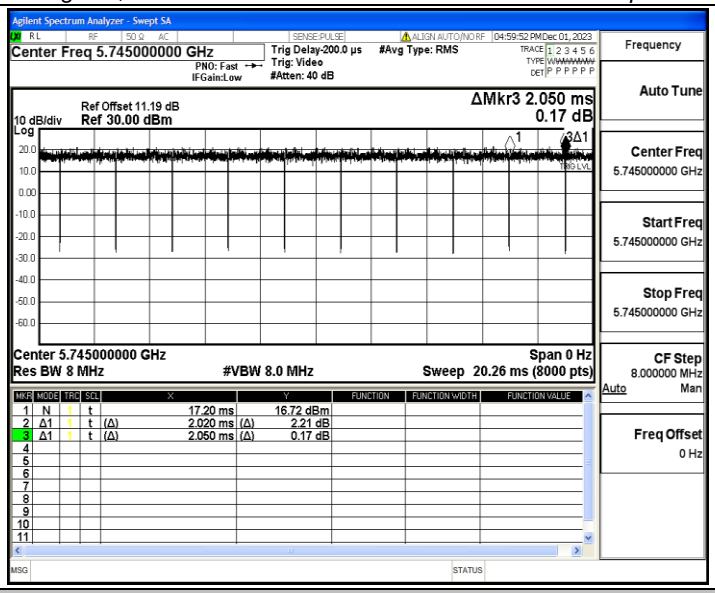
11A_Ant1_5825



11A_Ant2_5825



11N20MIMO_Ant1_5745



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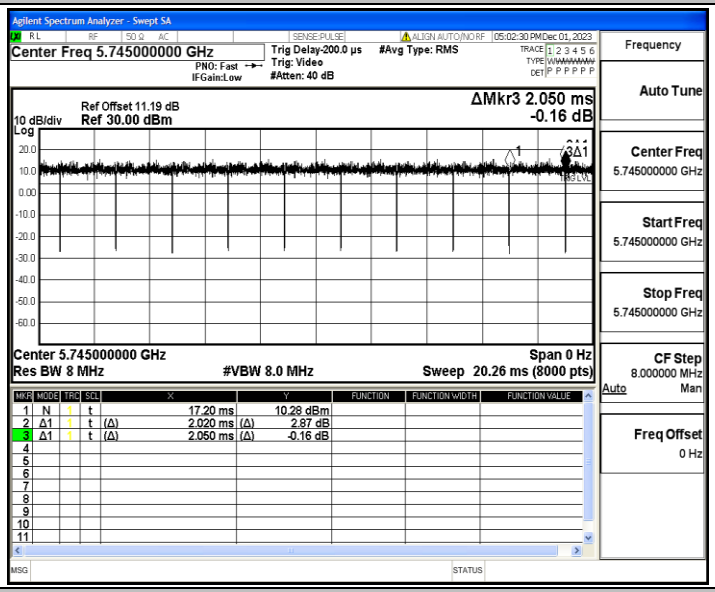
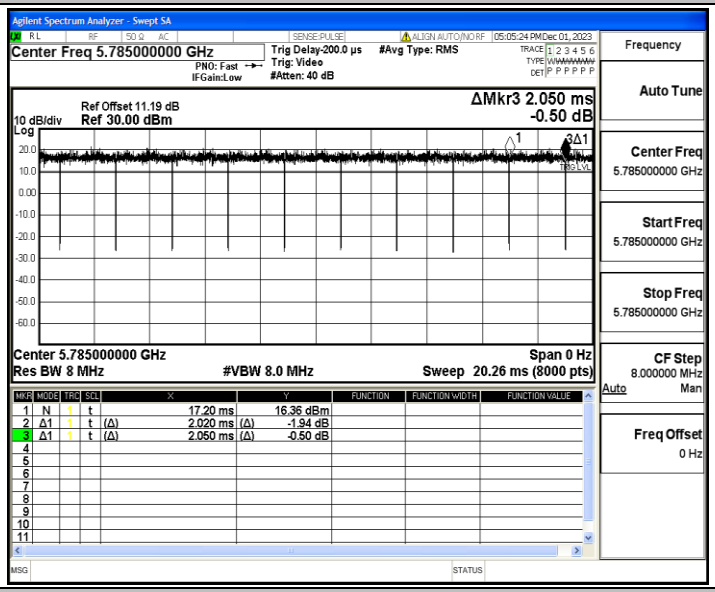
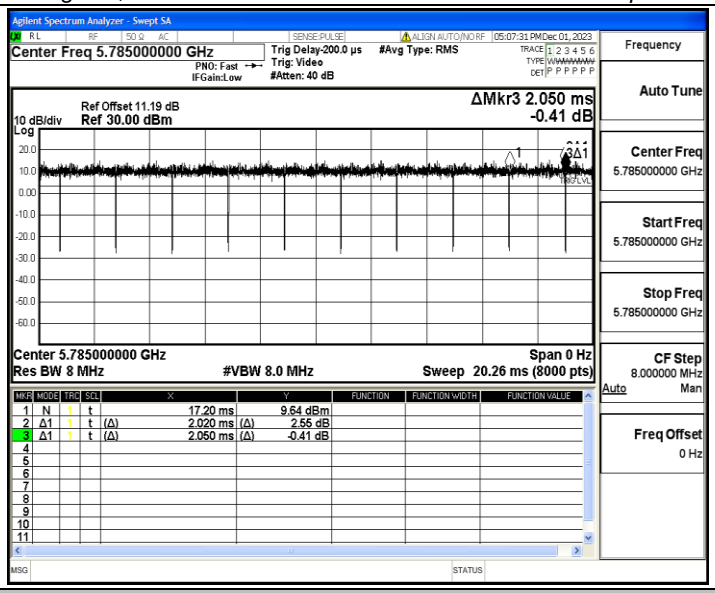


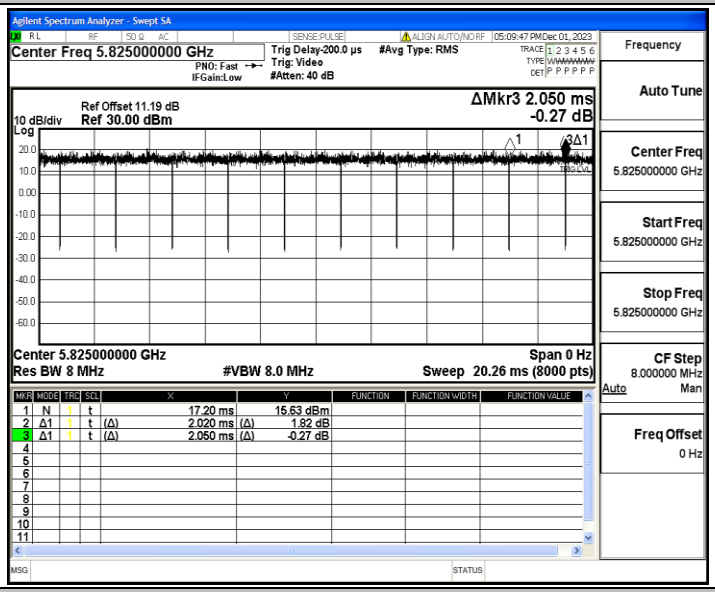
11N20MIMO_Ant1_5785



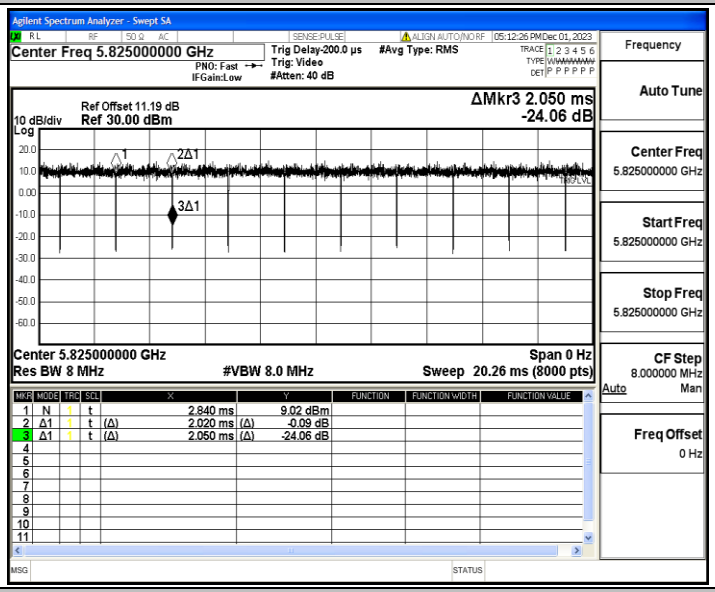
11N20MIMO_Ant2_5785



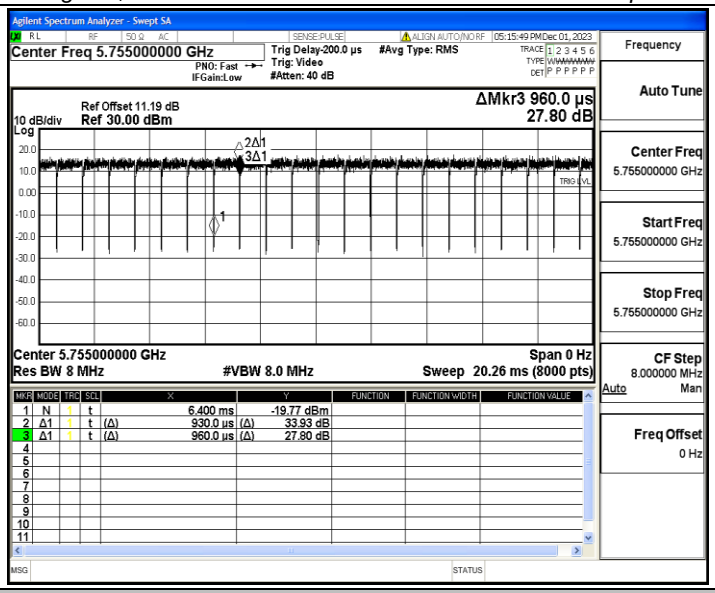
11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5755



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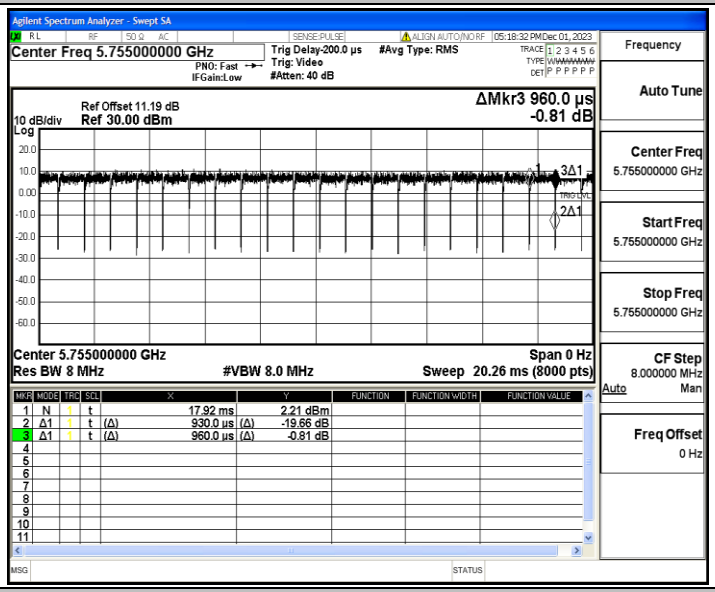
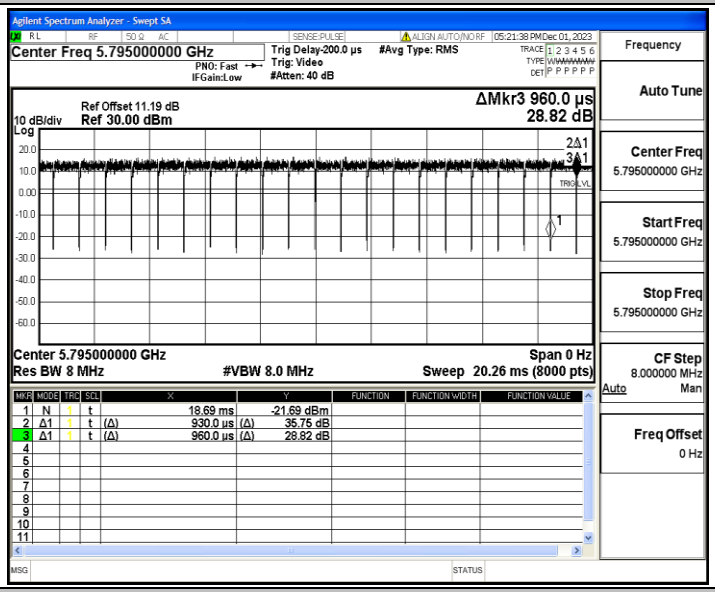
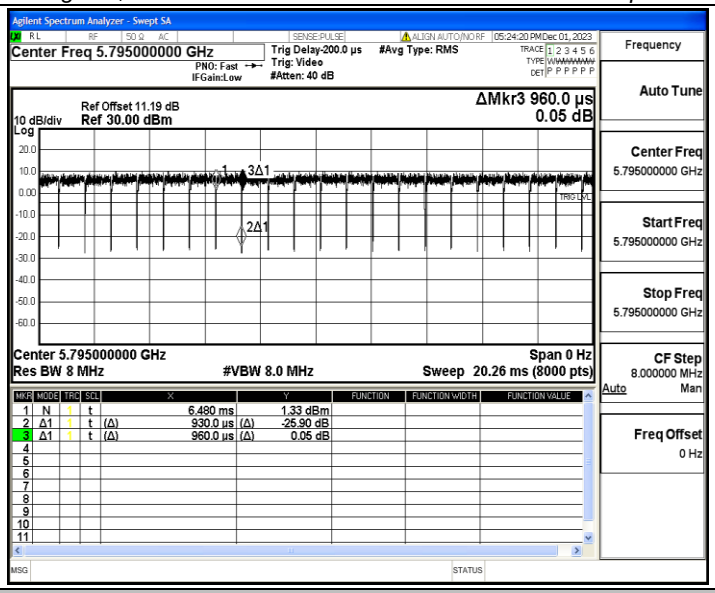


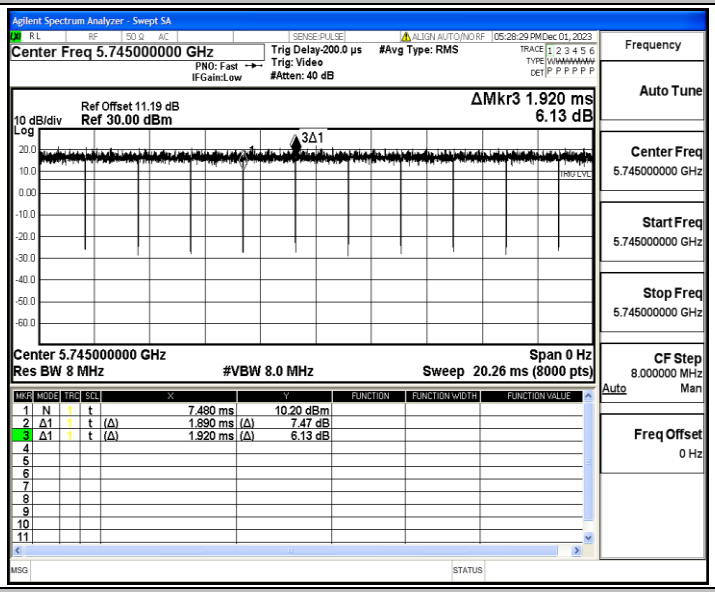
11N40MIMO_Ant1_5795



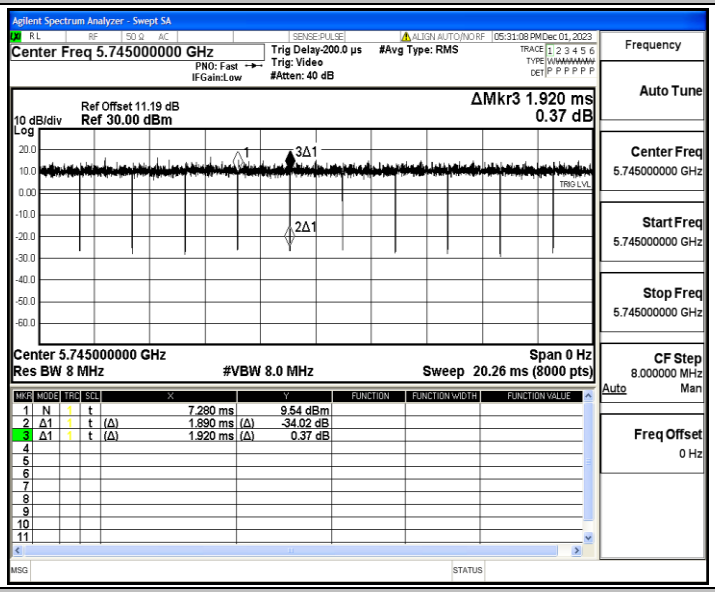
11N40MIMO_Ant2_5795



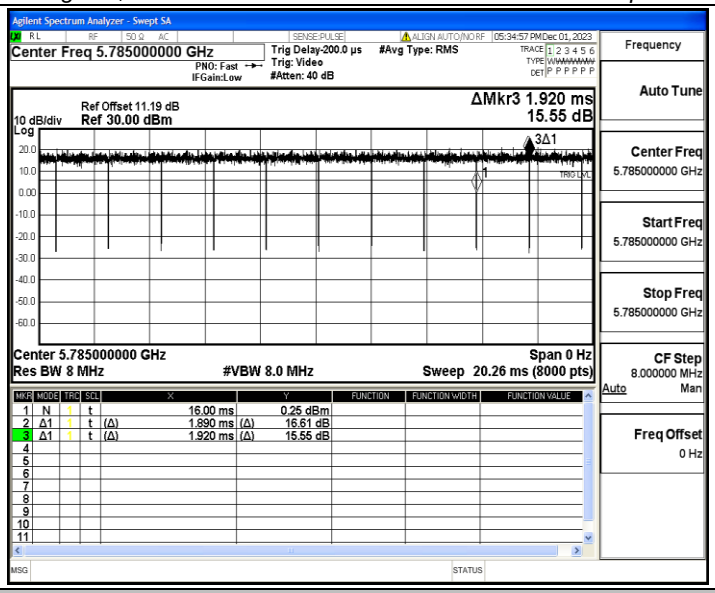
11AC20MIMO_Ant1_5745



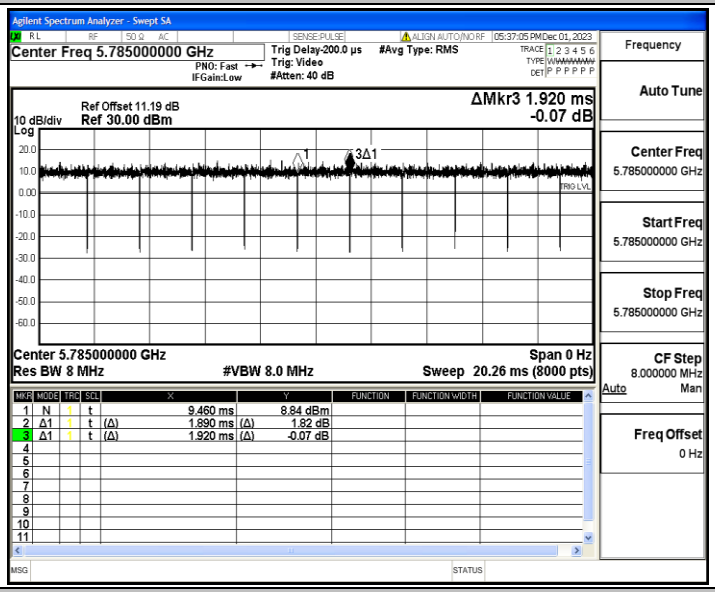
11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



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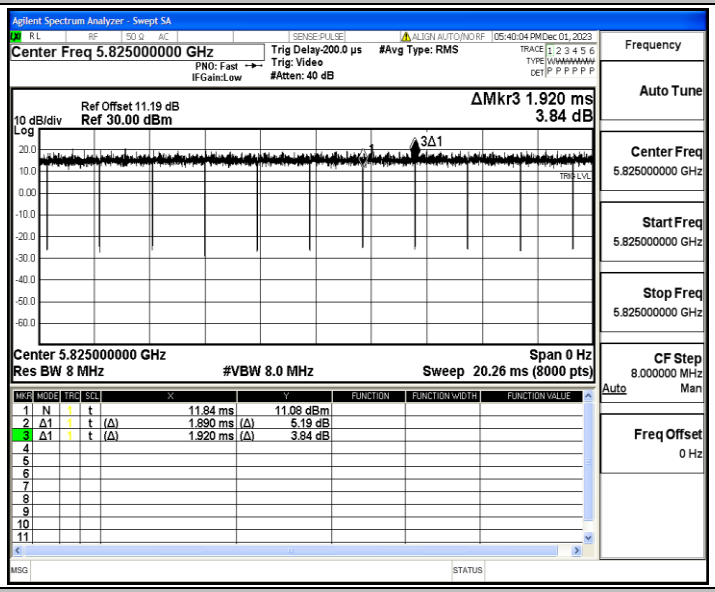

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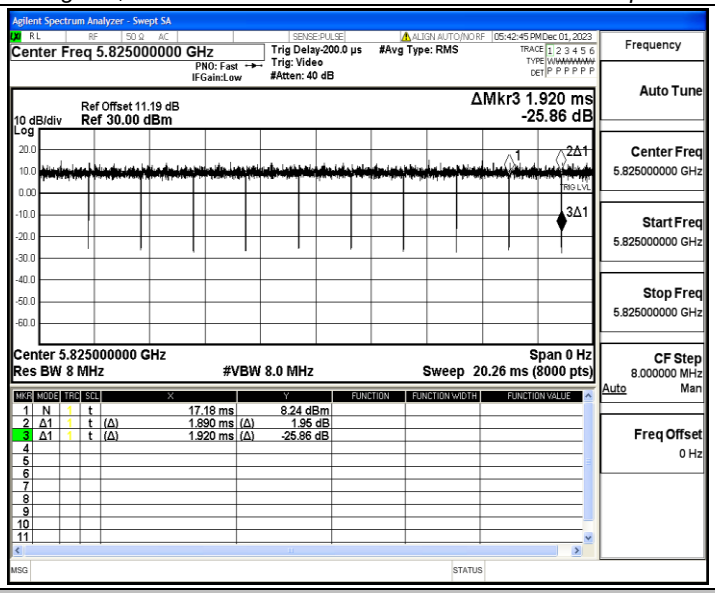

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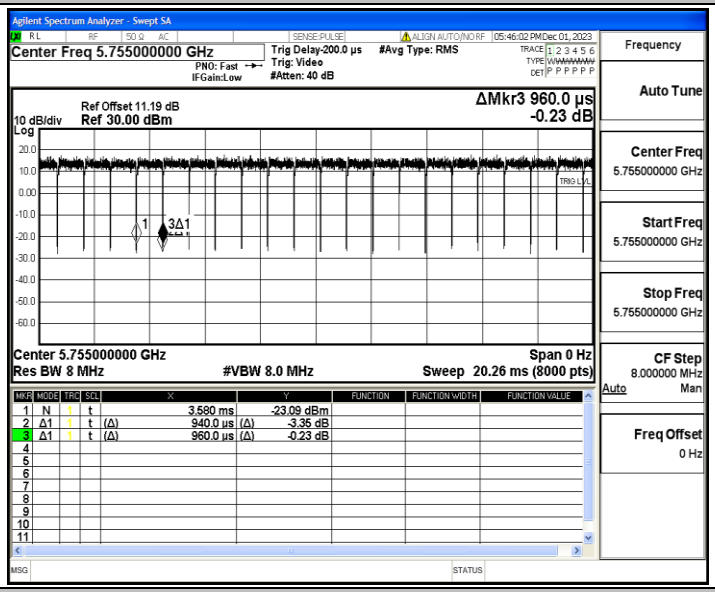

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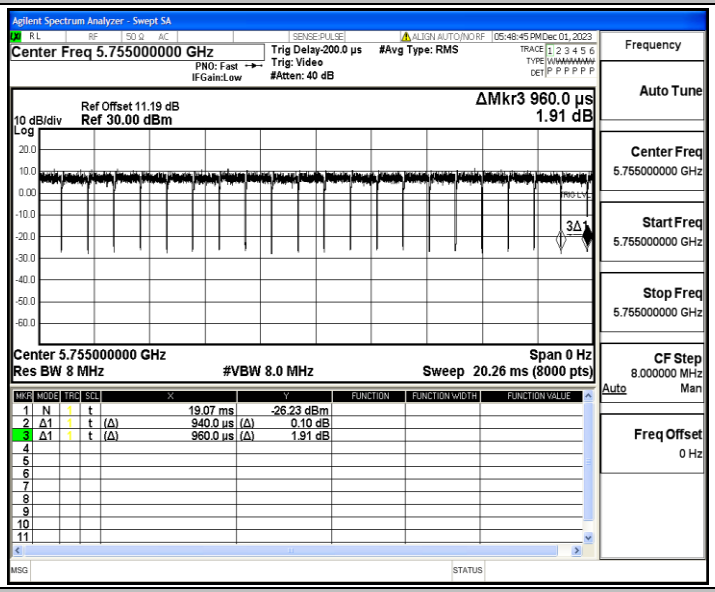

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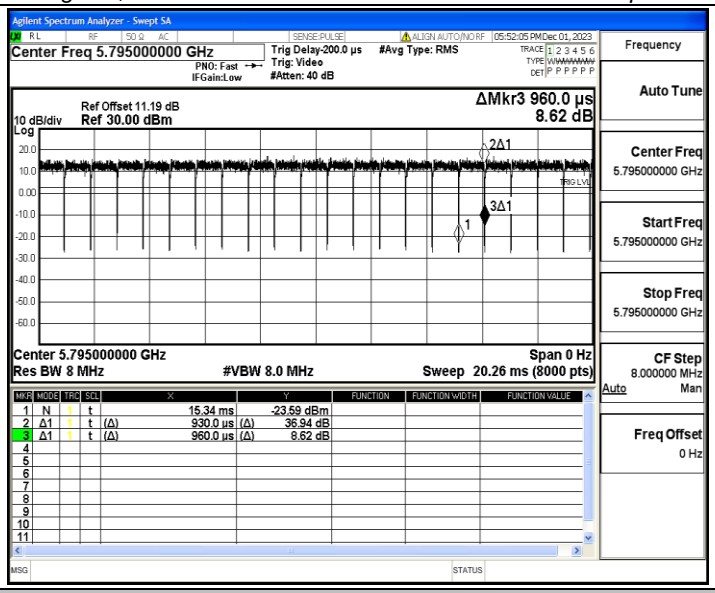

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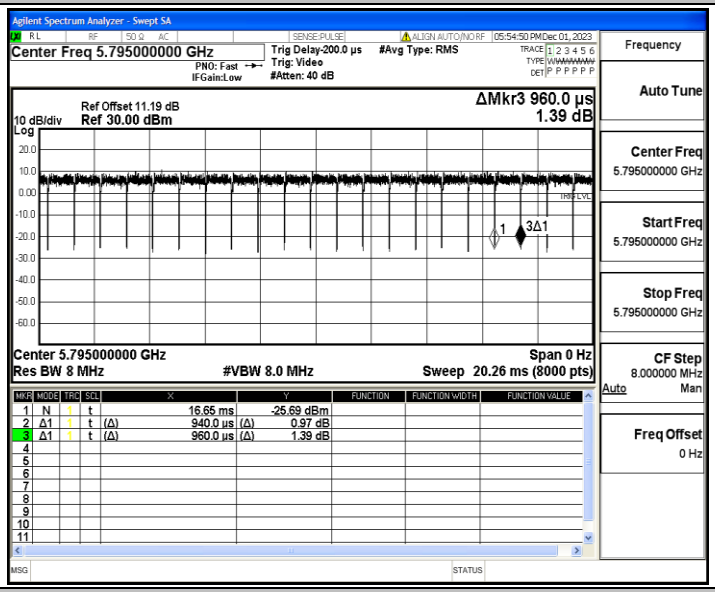

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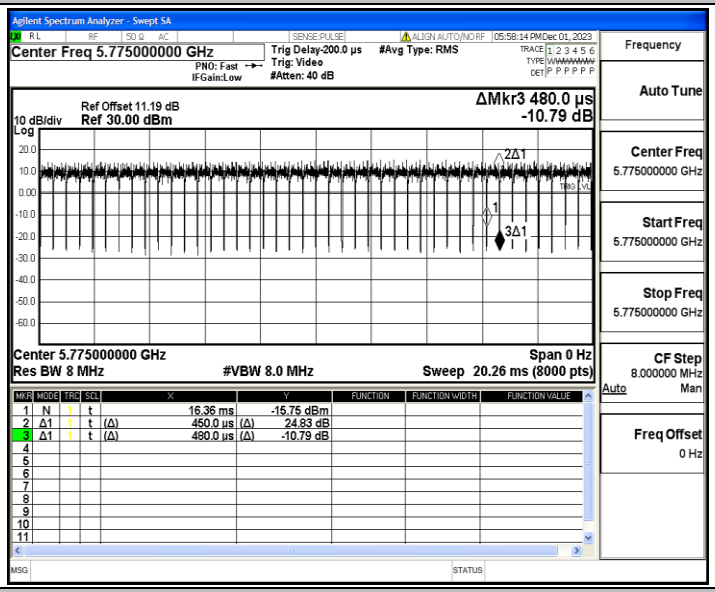

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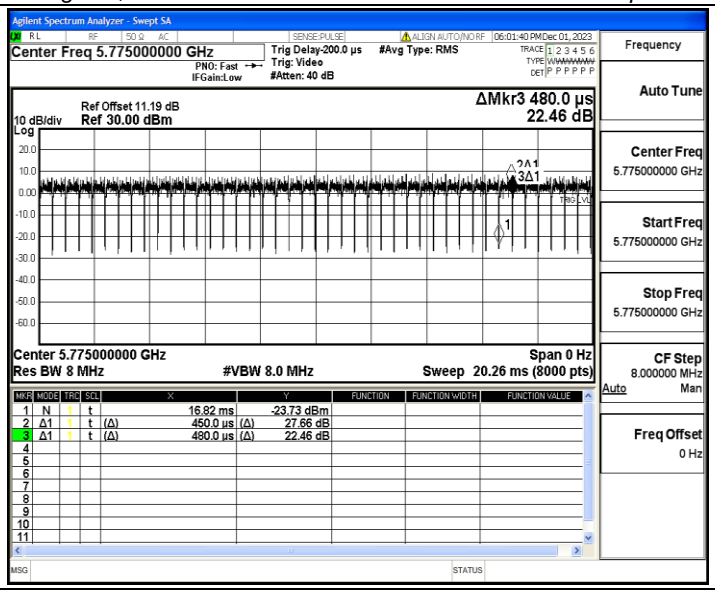
Agilent Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig Delay-200.0 µs
Trig: Video
#Atten: 40 dB
#Avg Type: RMS
06:01:40 PM Dec 01, 2023
Ref Offset 11.19 dB
10 dB/div
Ref 30.00 dBm
ΔMkr3 480.0 µs
22.46 dB
Center 5.775000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 20.26 ms (8000 pts)
1 N 1 t 16.82 ms -23.73 dBm
2 Δ1 1 t (Δ) 450.0 µs (Δ) 27.66 dB
3 Δ1 1 t (Δ) 480.0 µs (Δ) 22.46 dB
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.775000000 GHz
Stop Freq
5.775000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz