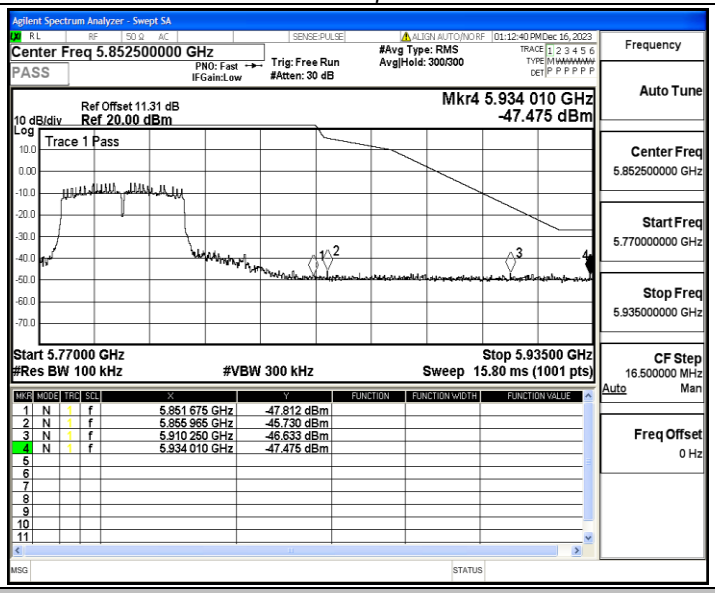
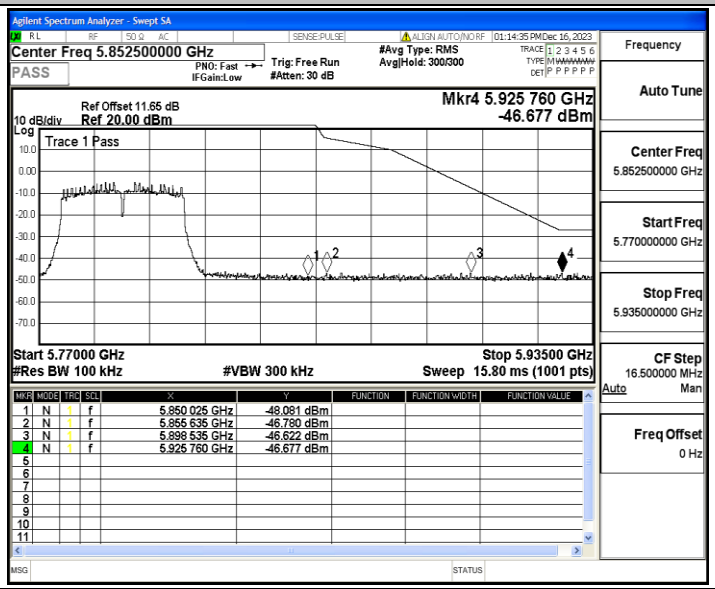
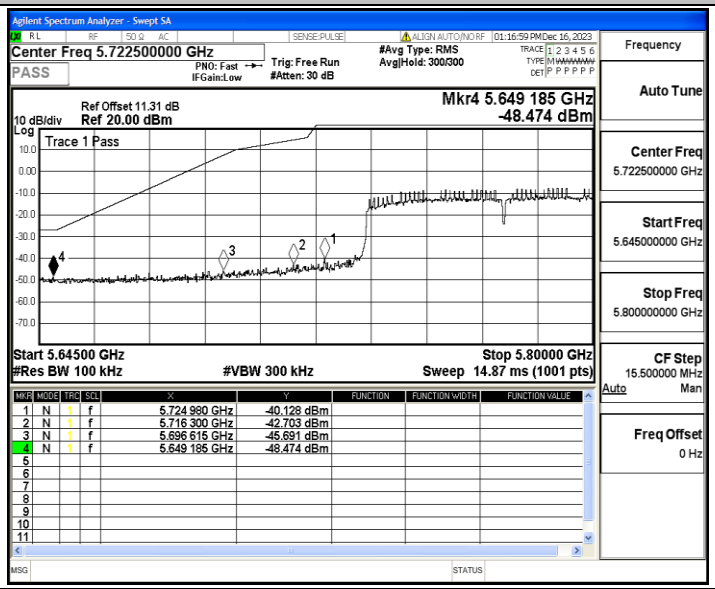


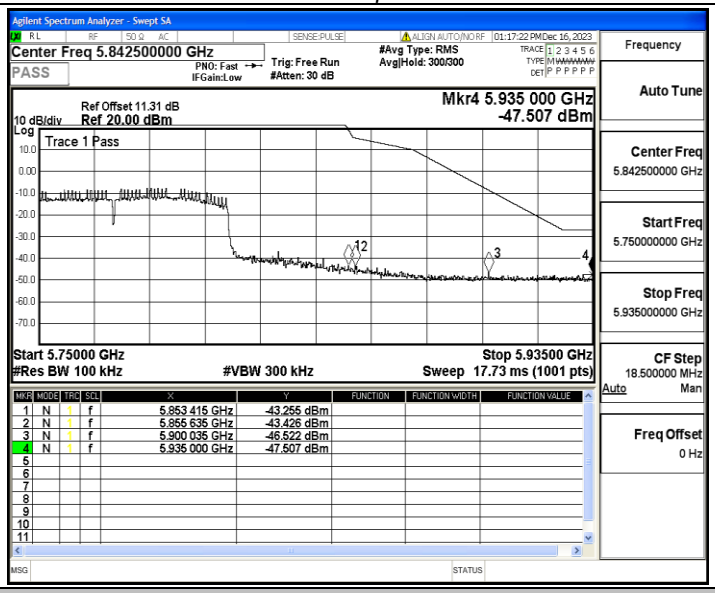
11AC40MIMO_Ant2_High_5795



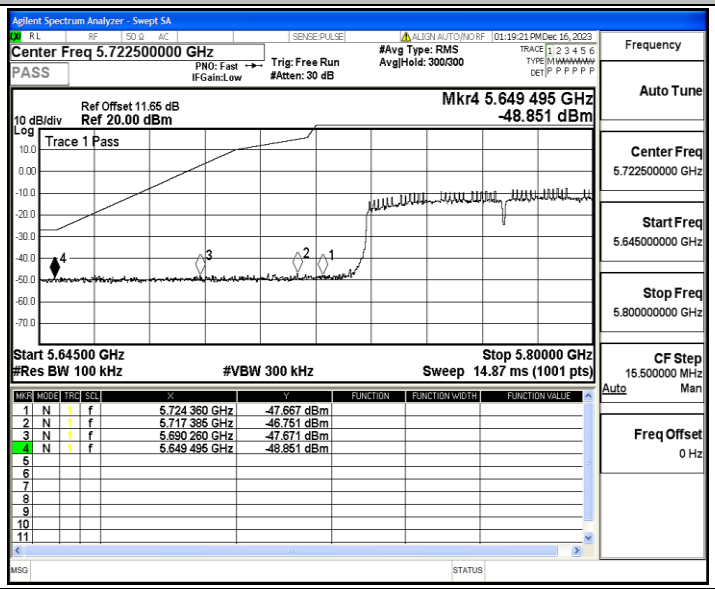
11AC80MIMO_Ant1_Low_5775



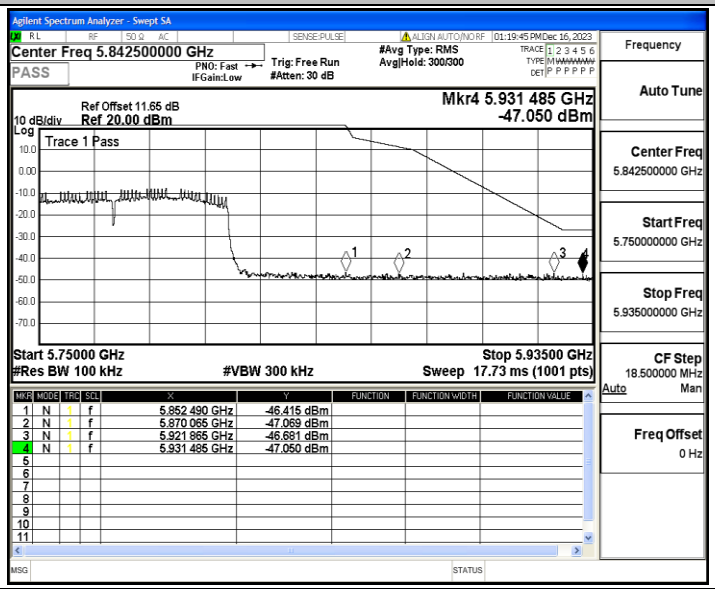
11AC80MIMO_Ant1_High_5775



11AC80MIMO_Ant2_Low_5775



11AC80MIMO_Ant2_High_5775



Appendix E: Frequency Stability

Test Result

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.962261	5725 – 5850	PASS
5745	20	108	5744.988034	5725 – 5850	PASS
5745	50	120	5745.032894	5725 – 5850	PASS
5745	40	120	5744.981621	5725 – 5850	PASS
5745	30	120	5745.073868	5725 – 5850	PASS
5745	20	120	5745.020292	5725 – 5850	PASS
5745	10	120	5745.039071	5725 – 5850	PASS
5745	0	120	5744.909396	5725 – 5850	PASS
5745	-10	120	5744.957108	5725 – 5850	PASS
5745	-20	120	5745.061958	5725 – 5850	PASS
5745	-30	120	5744.954152	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5745.043351	5725 – 5850	PASS
5745	20	108	5744.918355	5725 – 5850	PASS
5745	50	120	5745.034207	5725 – 5850	PASS
5745	40	120	5745.075943	5725 – 5850	PASS
5745	30	120	5744.995307	5725 – 5850	PASS
5745	20	120	5744.942729	5725 – 5850	PASS
5745	10	120	5744.902138	5725 – 5850	PASS
5745	0	120	5744.975556	5725 – 5850	PASS
5745	-10	120	5744.931012	5725 – 5850	PASS
5745	-20	120	5744.965364	5725 – 5850	PASS
5745	-30	120	5744.937197	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5785.095460	5725 – 5850	PASS
5785	20	108	5785.047632	5725 – 5850	PASS
5785	50	120	5785.097180	5725 – 5850	PASS
5785	40	120	5784.994121	5725 – 5850	PASS
5785	30	120	5785.094987	5725 – 5850	PASS
5785	20	120	5784.963665	5725 – 5850	PASS
5785	10	120	5784.980848	5725 – 5850	PASS
5785	0	120	5785.016992	5725 – 5850	PASS
5785	-10	120	5785.000367	5725 – 5850	PASS
5785	-20	120	5785.048384	5725 – 5850	PASS
5785	-30	120	5784.950106	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5784.993441	5725 – 5850	PASS
5785	20	108	5785.016020	5725 – 5850	PASS
5785	50	120	5784.911514	5725 – 5850	PASS
5785	40	120	5785.072217	5725 – 5850	PASS
5785	30	120	5784.954511	5725 – 5850	PASS
5785	20	120	5785.090977	5725 – 5850	PASS
5785	10	120	5784.924840	5725 – 5850	PASS
5785	0	120	5785.021641	5725 – 5850	PASS
5785	-10	120	5785.084232	5725 – 5850	PASS
5785	-20	120	5784.930425	5725 – 5850	PASS
5785	-30	120	5784.906498	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5825.082822	5725 – 5850	PASS
5825	20	108	5824.959048	5725 – 5850	PASS
5825	50	120	5825.032537	5725 – 5850	PASS
5825	40	120	5825.088492	5725 – 5850	PASS
5825	30	120	5825.025592	5725 – 5850	PASS
5825	20	120	5824.919114	5725 – 5850	PASS
5825	10	120	5824.993665	5725 – 5850	PASS
5825	0	120	5825.098231	5725 – 5850	PASS
5825	-10	120	5825.070309	5725 – 5850	PASS
5825	-20	120	5825.066478	5725 – 5850	PASS
5825	-30	120	5825.045412	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5824.983562	5725 – 5850	PASS
5825	20	108	5824.901981	5725 – 5850	PASS
5825	50	120	5825.095850	5725 – 5850	PASS
5825	40	120	5825.090314	5725 – 5850	PASS
5825	30	120	5825.045975	5725 – 5850	PASS
5825	20	120	5825.072986	5725 – 5850	PASS
5825	10	120	5824.937751	5725 – 5850	PASS
5825	0	120	5825.053241	5725 – 5850	PASS
5825	-10	120	5824.910253	5725 – 5850	PASS
5825	-20	120	5824.967633	5725 – 5850	PASS
5825	-30	120	5825.074247	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5754.937433	5725 – 5850	PASS
5755	20	108	5755.020097	5725 – 5850	PASS
5755	50	120	5754.915988	5725 – 5850	PASS
5755	40	120	5755.015770	5725 – 5850	PASS
5755	30	120	5754.931770	5725 – 5850	PASS
5755	20	120	5755.046055	5725 – 5850	PASS
5755	10	120	5755.024376	5725 – 5850	PASS
5755	0	120	5755.009377	5725 – 5850	PASS
5755	-10	120	5755.072104	5725 – 5850	PASS
5755	-20	120	5754.939704	5725 – 5850	PASS
5755	-30	120	5754.981674	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5754.981743	5725 – 5850	PASS
5755	20	108	5754.975962	5725 – 5850	PASS
5755	50	120	5754.911787	5725 – 5850	PASS
5755	40	120	5754.990521	5725 – 5850	PASS
5755	30	120	5754.940132	5725 – 5850	PASS
5755	20	120	5755.000699	5725 – 5850	PASS
5755	10	120	5754.993971	5725 – 5850	PASS
5755	0	120	5755.036054	5725 – 5850	PASS
5755	-10	120	5755.026216	5725 – 5850	PASS
5755	-20	120	5755.059569	5725 – 5850	PASS
5755	-30	120	5754.949418	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5795.005968	5725 – 5850	PASS
5795	20	108	5794.937062	5725 – 5850	PASS
5795	50	120	5795.037540	5725 – 5850	PASS
5795	40	120	5794.997351	5725 – 5850	PASS
5795	30	120	5794.968500	5725 – 5850	PASS
5795	20	120	5795.075573	5725 – 5850	PASS
5795	10	120	5795.089907	5725 – 5850	PASS
5795	0	120	5795.002853	5725 – 5850	PASS
5795	-10	120	5794.916771	5725 – 5850	PASS
5795	-20	120	5794.960196	5725 – 5850	PASS
5795	-30	120	5794.912593	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.986034	5725 – 5850	PASS
5795	20	108	5794.979796	5725 – 5850	PASS
5795	50	120	5795.087442	5725 – 5850	PASS
5795	40	120	5795.040634	5725 – 5850	PASS
5795	30	120	5794.913732	5725 – 5850	PASS
5795	20	120	5794.953959	5725 – 5850	PASS
5795	10	120	5795.062168	5725 – 5850	PASS
5795	0	120	5794.947379	5725 – 5850	PASS
5795	-10	120	5795.009365	5725 – 5850	PASS
5795	-20	120	5794.932003	5725 – 5850	PASS
5795	-30	120	5794.945475	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5775.025193	5725 – 5850	PASS
5775	20	108	5774.905016	5725 – 5850	PASS
5775	50	120	5775.081900	5725 – 5850	PASS
5775	40	120	5775.045009	5725 – 5850	PASS
5775	30	120	5775.027930	5725 – 5850	PASS
5775	20	120	5775.002504	5725 – 5850	PASS
5775	10	120	5774.954201	5725 – 5850	PASS
5775	0	120	5775.042843	5725 – 5850	PASS
5775	-10	120	5775.087980	5725 – 5850	PASS
5775	-20	120	5774.999020	5725 – 5850	PASS
5775	-30	120	5775.002886	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Dregree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5774.973947	5725 – 5850	PASS
5775	20	108	5774.941484	5725 – 5850	PASS
5775	50	120	5774.964533	5725 – 5850	PASS
5775	40	120	5775.051599	5725 – 5850	PASS
5775	30	120	5774.912379	5725 – 5850	PASS
5775	20	120	5775.025359	5725 – 5850	PASS
5775	10	120	5775.039528	5725 – 5850	PASS
5775	0	120	5774.979285	5725 – 5850	PASS
5775	-10	120	5775.012323	5725 – 5850	PASS
5775	-20	120	5774.951198	5725 – 5850	PASS
5775	-30	120	5774.964441	5725 – 5850	PASS

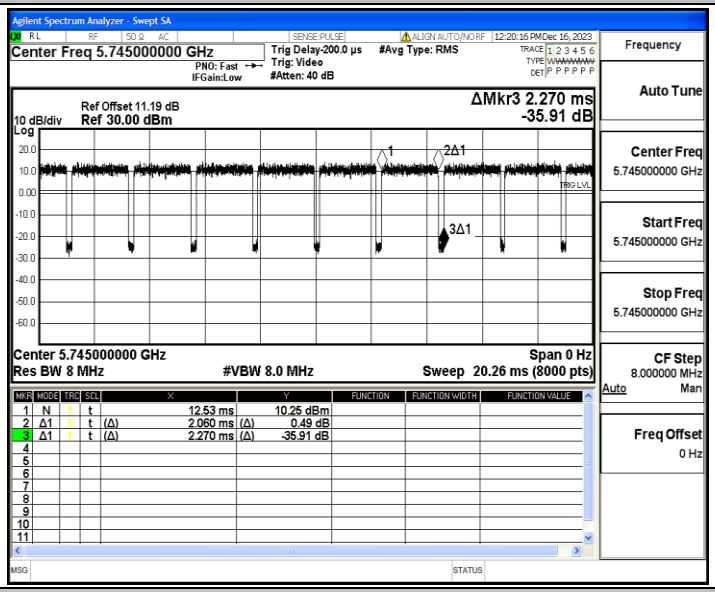
Appendix F: Duty Cycle

Test Result

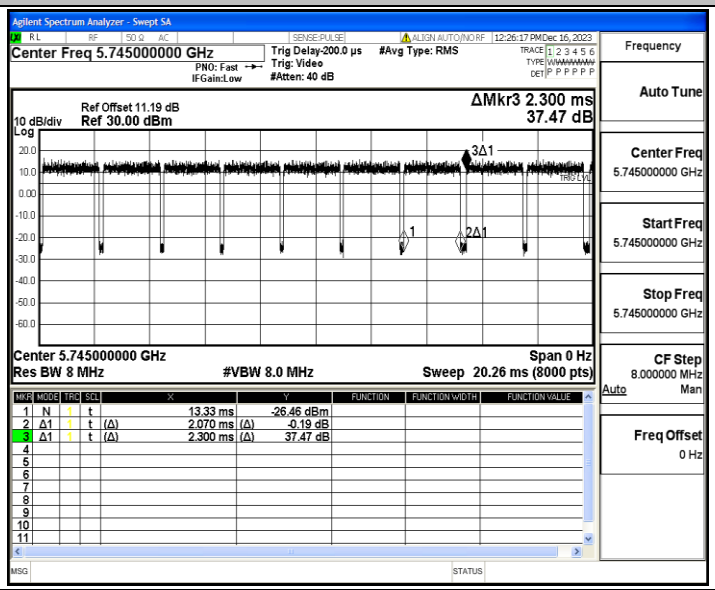
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
11A	Ant1	5745	2.06	2.27	90.75	0.49
	Ant2	5745	2.07	2.30	90.00	0.48
	Ant1	5785	2.06	2.28	90.35	0.49
	Ant2	5785	2.06	2.29	89.96	0.49
	Ant1	5825	2.06	2.29	89.96	0.49
	Ant2	5825	2.07	2.25	92.00	0.48
11N20MIMO	Ant1	5745	1.92	2.15	89.30	0.52
	Ant2	5745	1.92	2.12	90.57	0.52
	Ant1	5785	1.92	2.15	89.30	0.52
	Ant2	5785	1.92	2.13	90.14	0.52
	Ant1	5825	1.92	2.15	89.30	0.52
	Ant2	5825	1.92	2.15	89.30	0.52
11N40MIMO	Ant1	5755	0.94	1.70	55.29	1.06
	Ant2	5755	0.94	1.16	81.03	1.06
	Ant1	5795	0.94	1.17	80.34	1.06
	Ant2	5795	0.94	1.38	68.12	1.06
11AC20MIMO	Ant1	5745	1.93	2.18	88.53	0.52
	Ant2	5745	1.94	2.18	88.99	0.52
	Ant1	5785	1.94	2.17	89.40	0.52
	Ant2	5785	1.93	2.19	88.13	0.52
	Ant1	5825	1.93	2.16	89.35	0.52
	Ant2	5825	1.93	2.19	88.13	0.52
11AC40MIMO	Ant1	5755	0.95	1.20	79.17	1.05
	Ant2	5755	0.95	1.20	79.17	1.05
	Ant1	5795	0.95	1.21	78.51	1.05
	Ant2	5795	0.95	1.20	79.17	1.05
11AC80MIMO	Ant1	5775	0.46	0.72	63.89	2.17
	Ant2	5775	0.46	0.72	63.89	2.17

Test Graphs

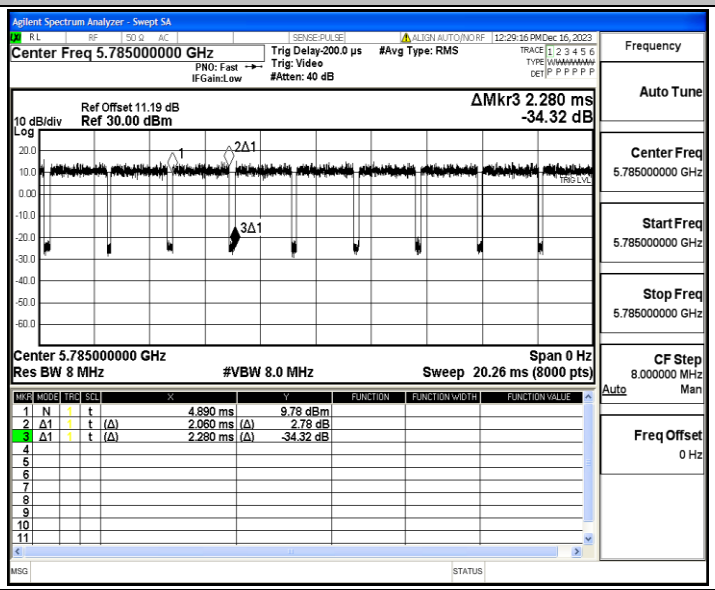
11A_Ant1_5745



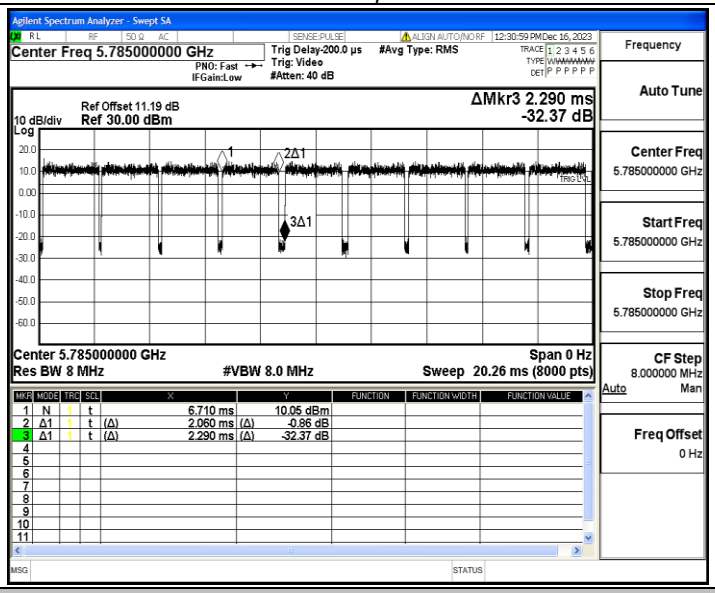
11A_Ant2_5745



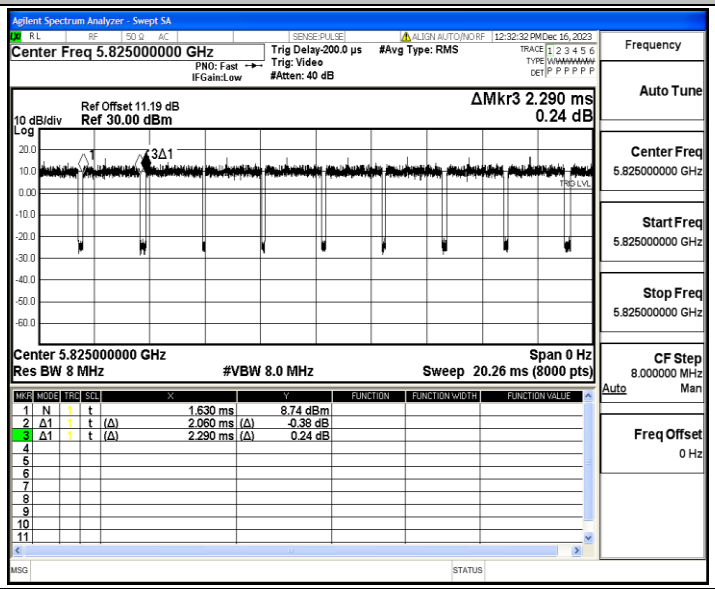
11A_Ant1_5785



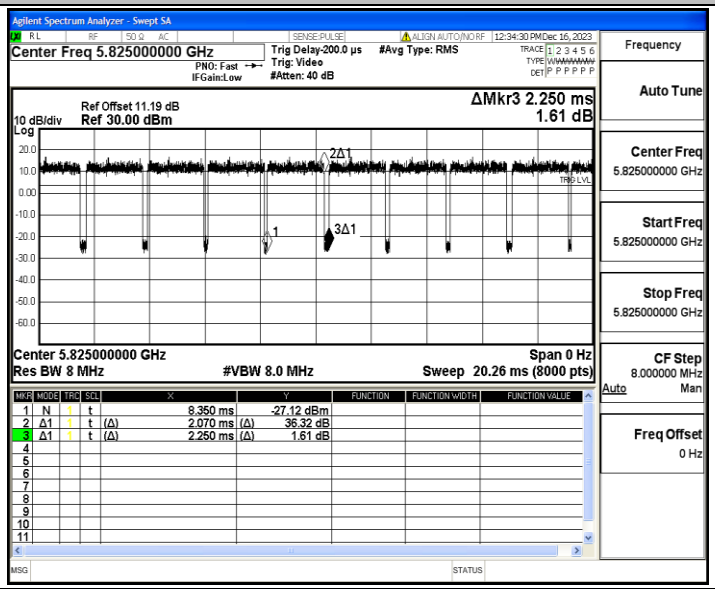
11A_Ant2_5785



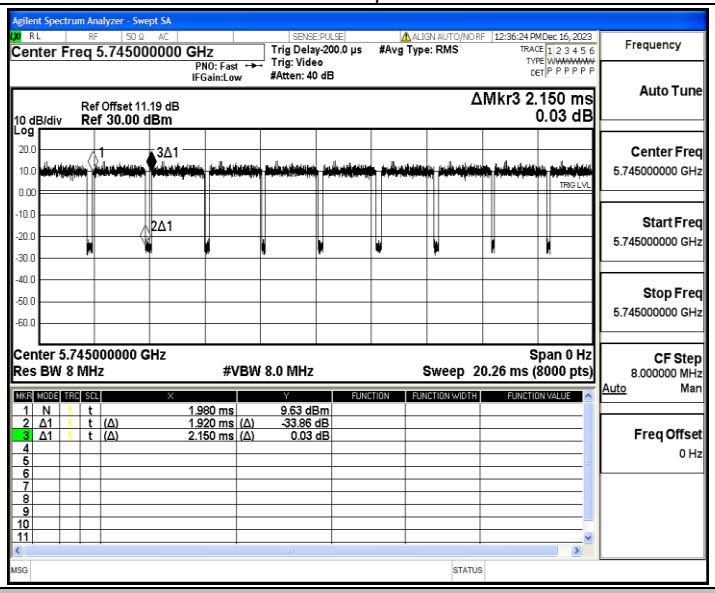
11A_Ant1_5825



11A_Ant2_5825



11N20MIMO_Ant1_5745



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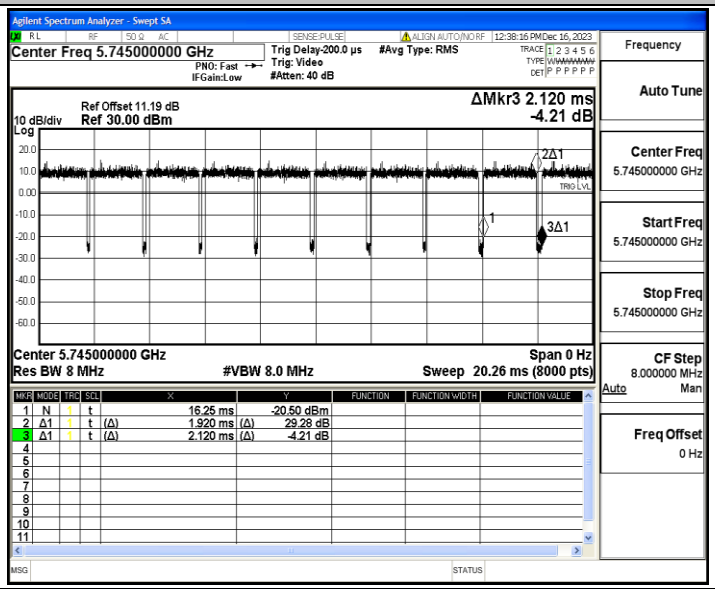

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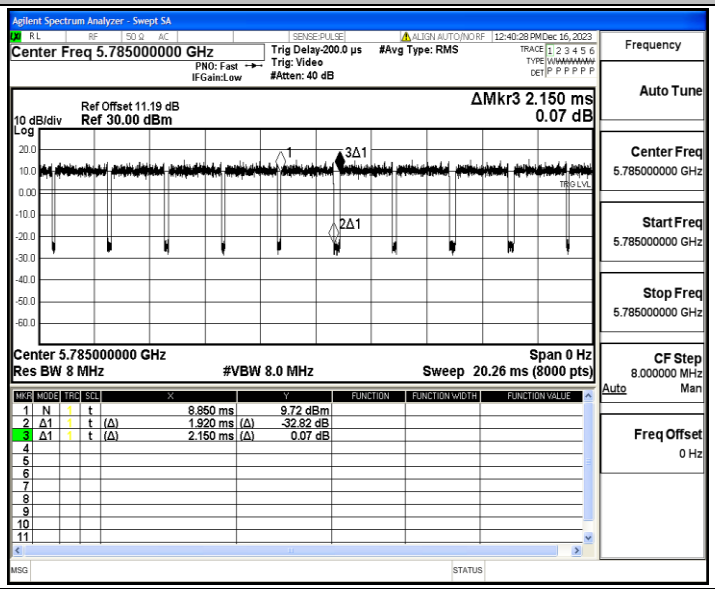
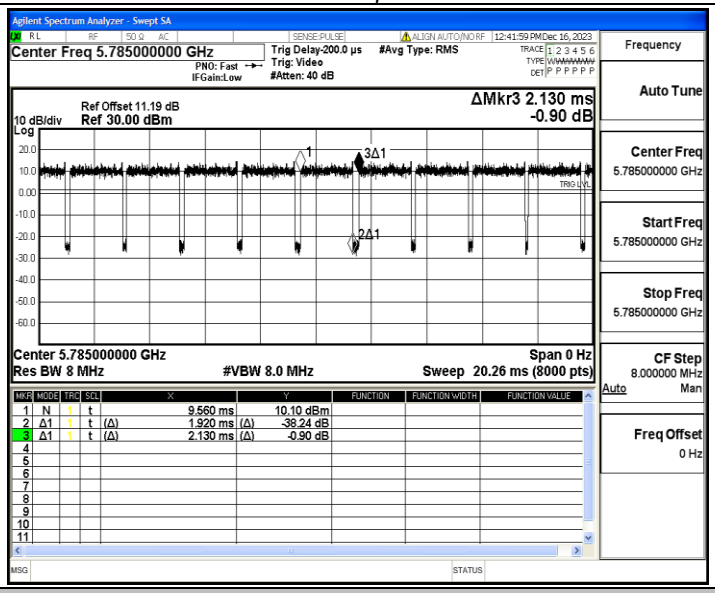


11N20MIMO_Ant2_5785



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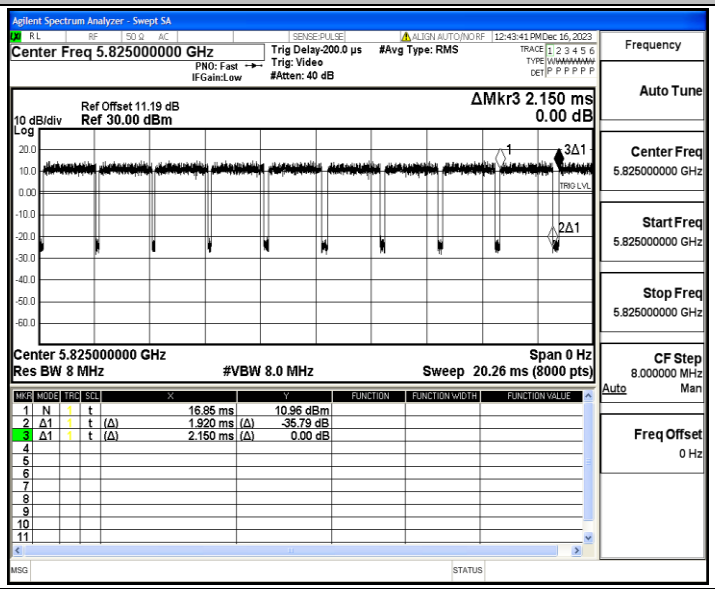

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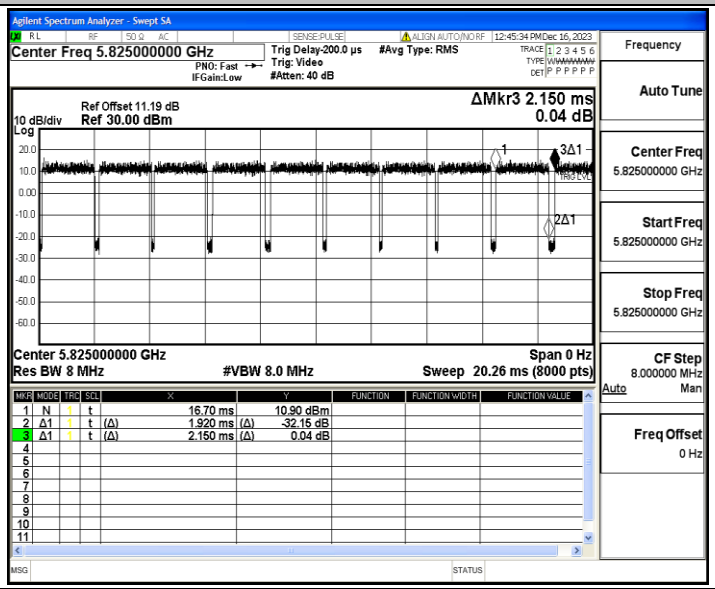
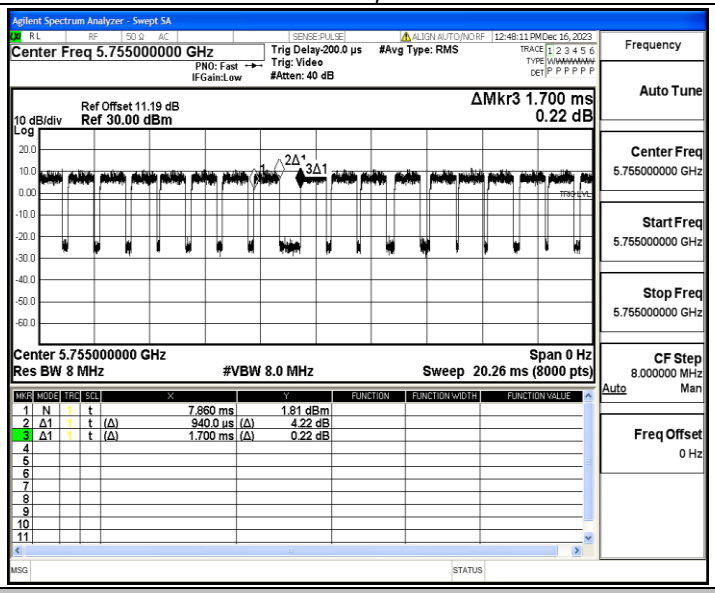


11N40MIMO_Ant1_5755



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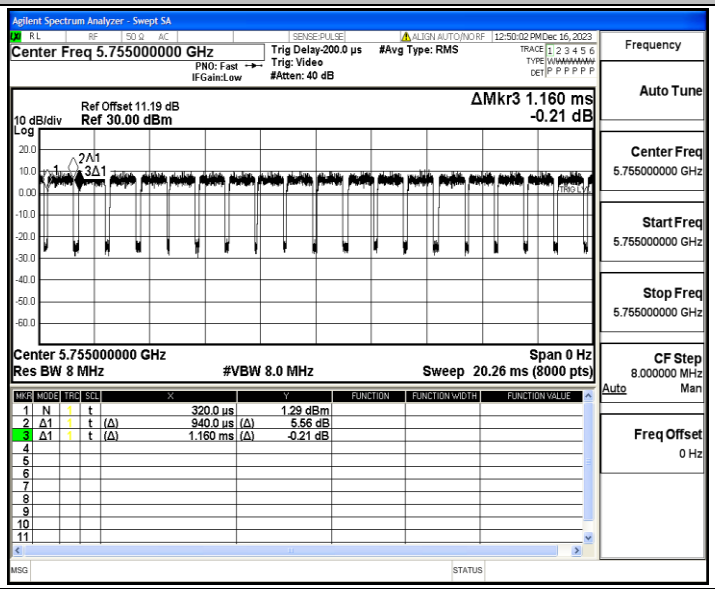

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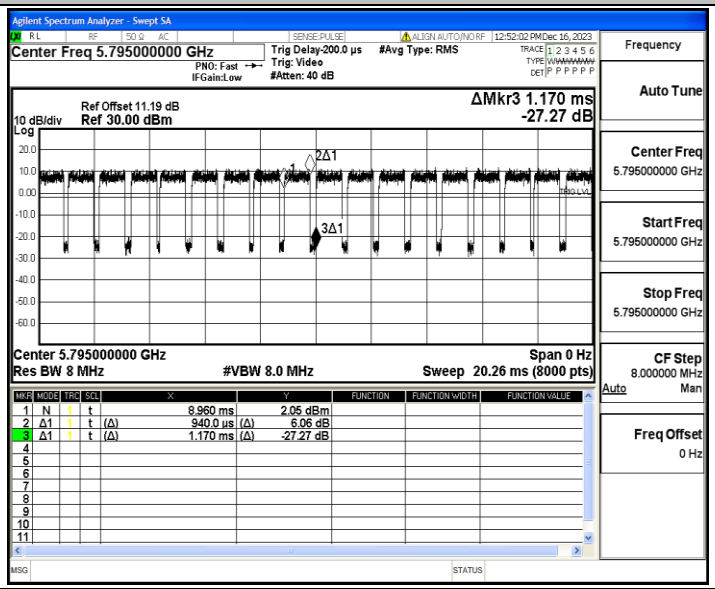

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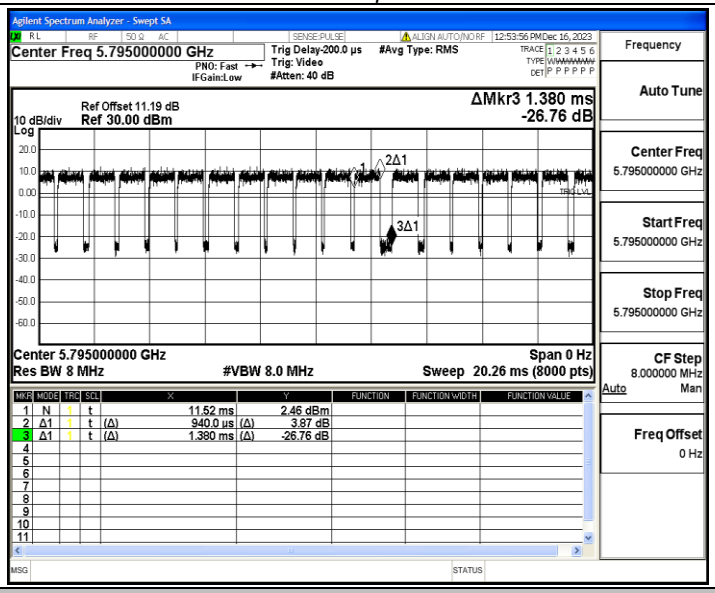
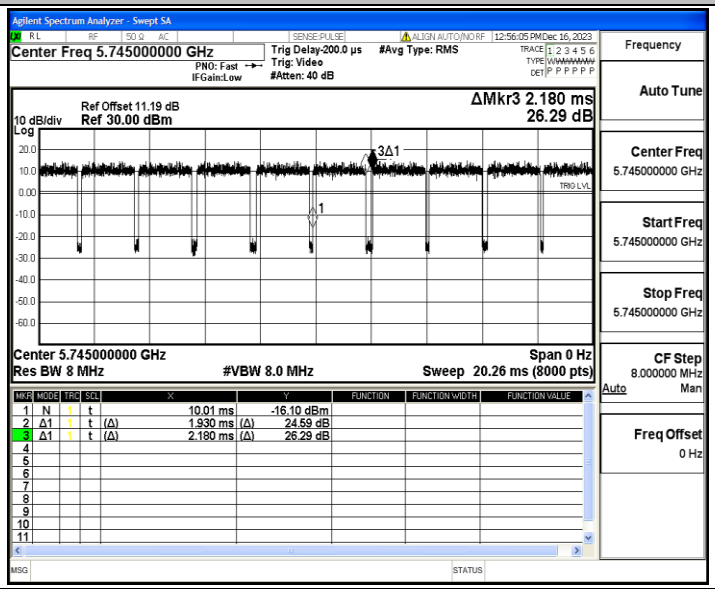
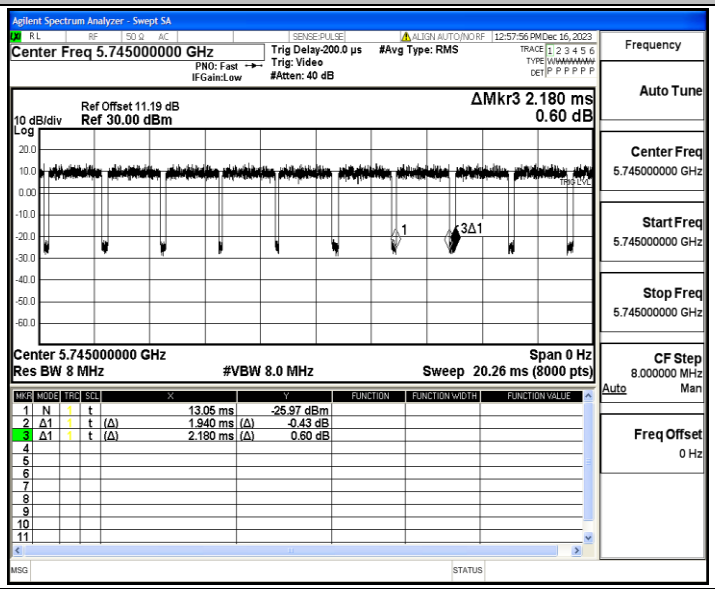


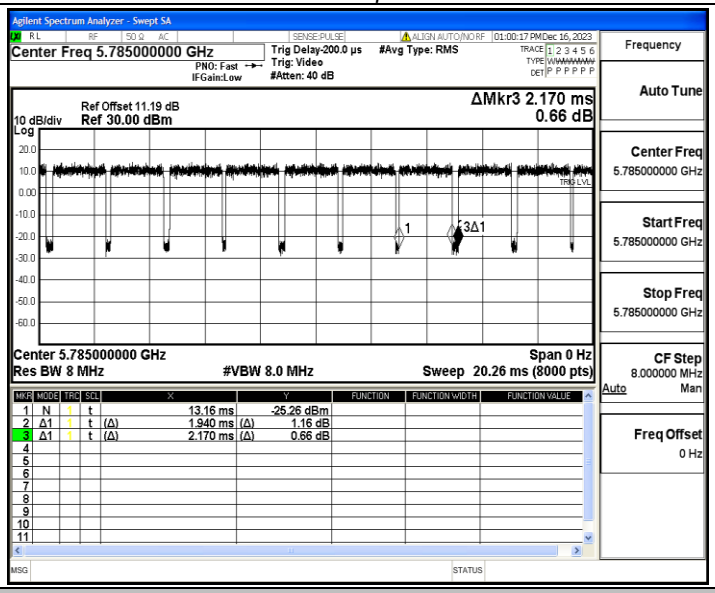
11AC20MIMO_Ant1_5745



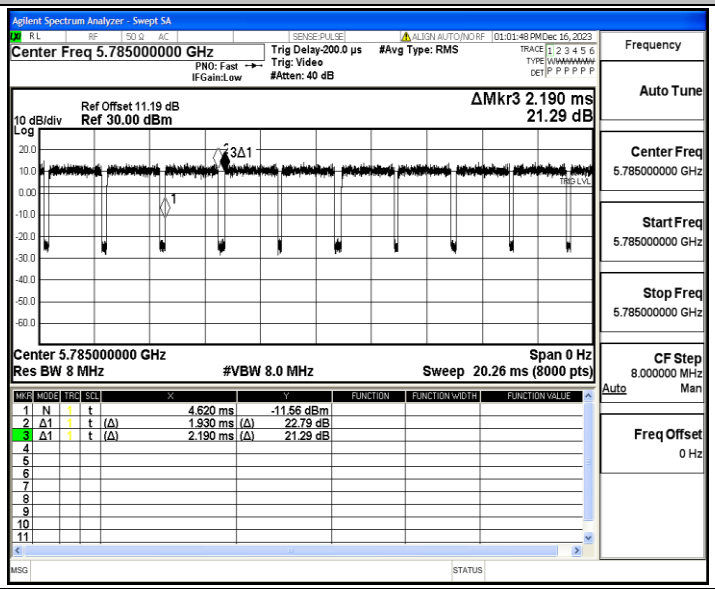
11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



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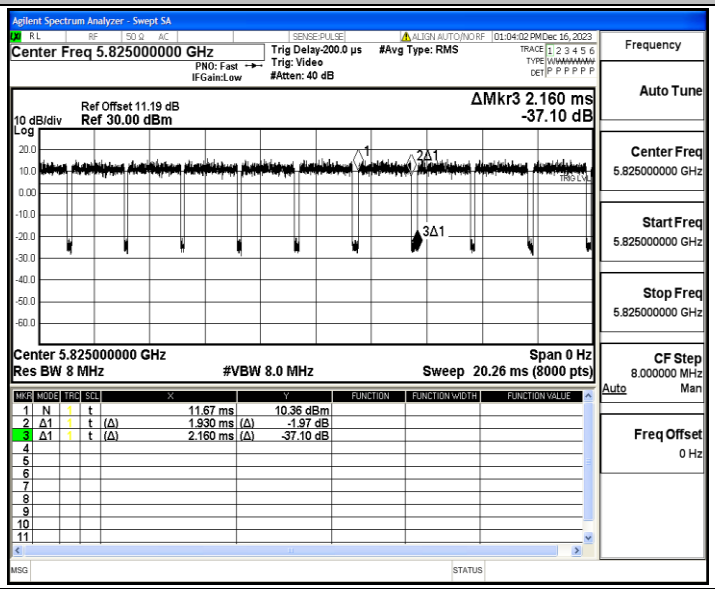
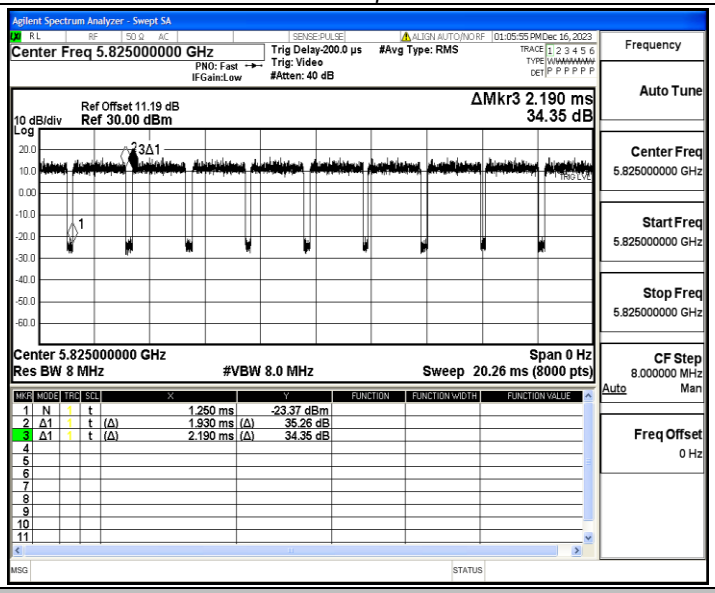
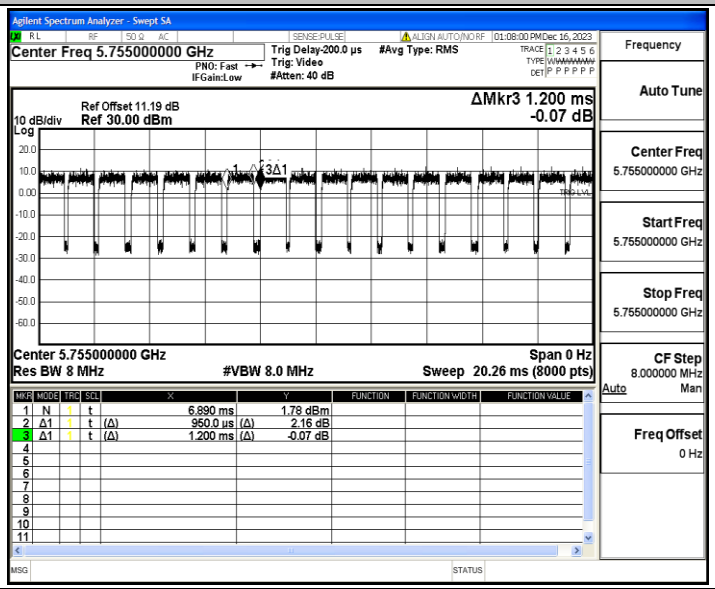


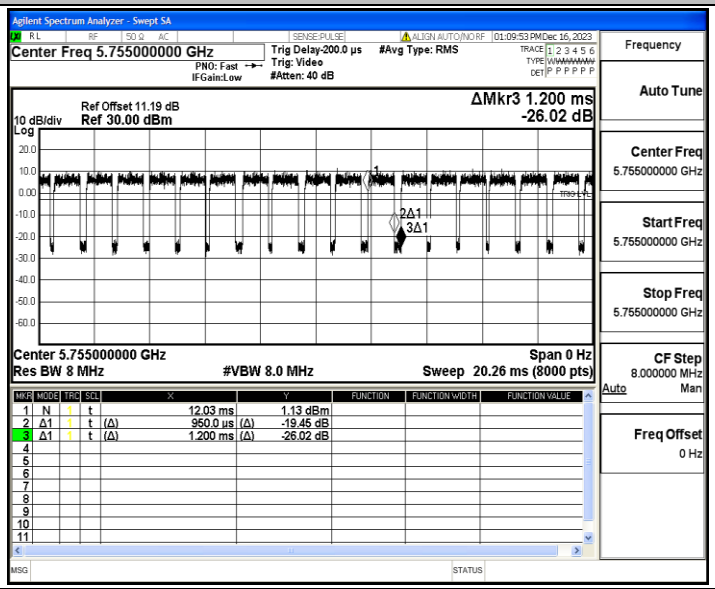
11AC20MIMO_Ant2_5825



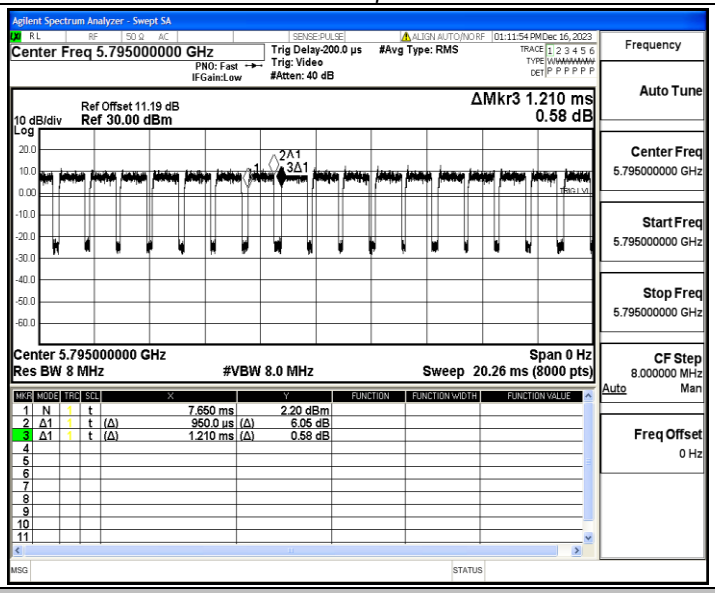
11AC40MIMO_Ant1_5755



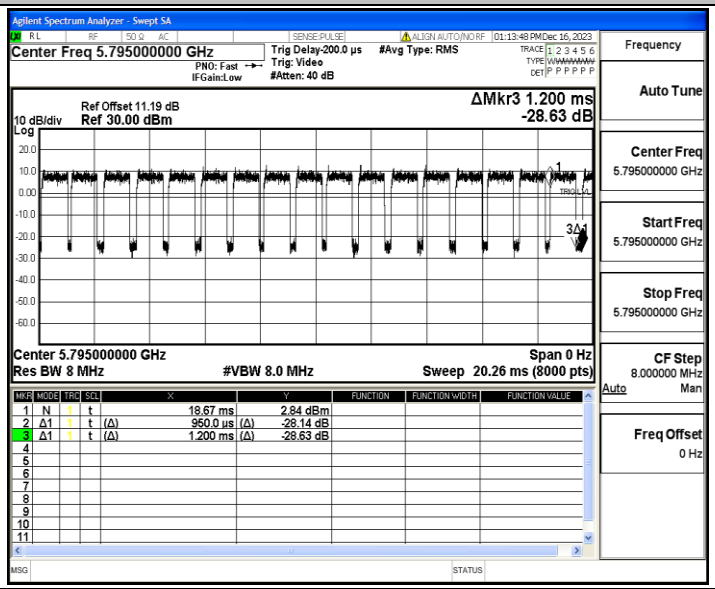
11AC40MIMO_Ant2_5755



11AC40MIMO_Ant1_5795



11AC40MIMO_Ant2_5795



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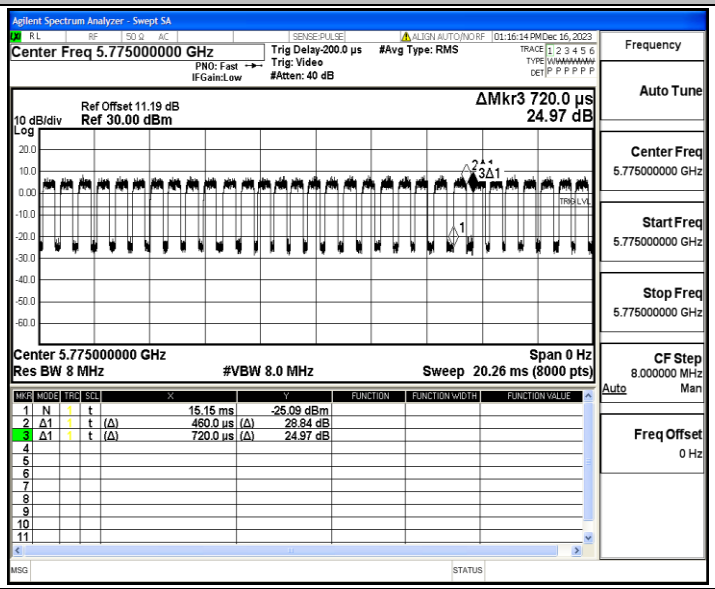

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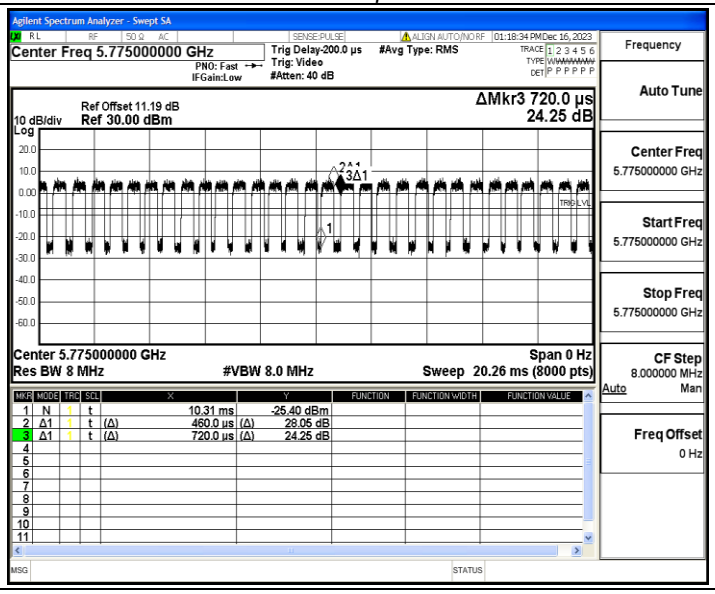
Agilent Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig Delay-200.0 µs
Trig: Video
#Atten: 40 dB
#Avg Type: RMS
01:18:34 PM Dec 16, 2023
Ref Offset 11.19 dB
10 dB/div Ref 30.00 dBm
ΔMkr3 720.0 µs
24.25 dB
Center 5.775000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 20.26 ms (8000 pts)
1 N 1 t 10.31 ms -25.40 dBm
2 Δ1 1 t (Δ) 460.0 µs (Δ) 28.05 dB
3 Δ1 1 t (Δ) 720.0 µs (Δ) 24.25 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