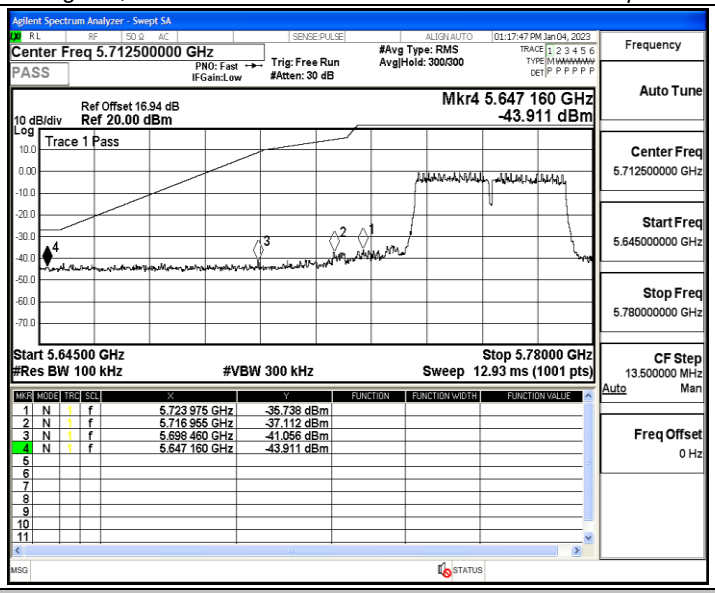
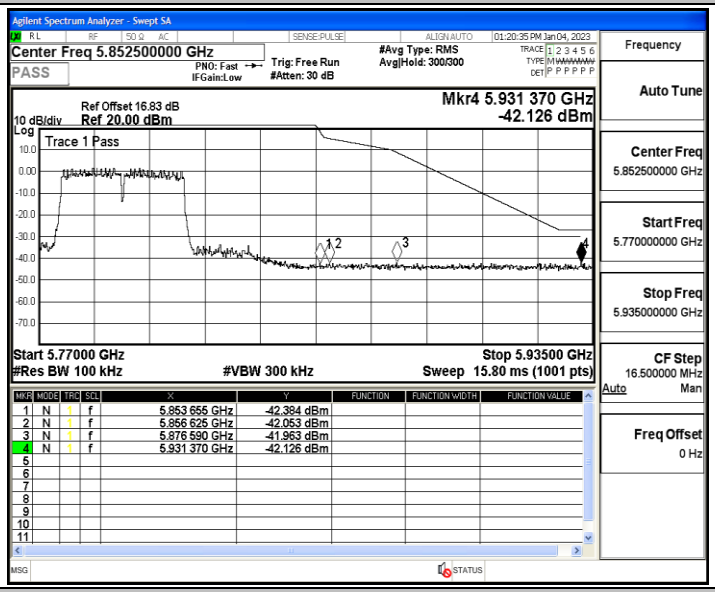
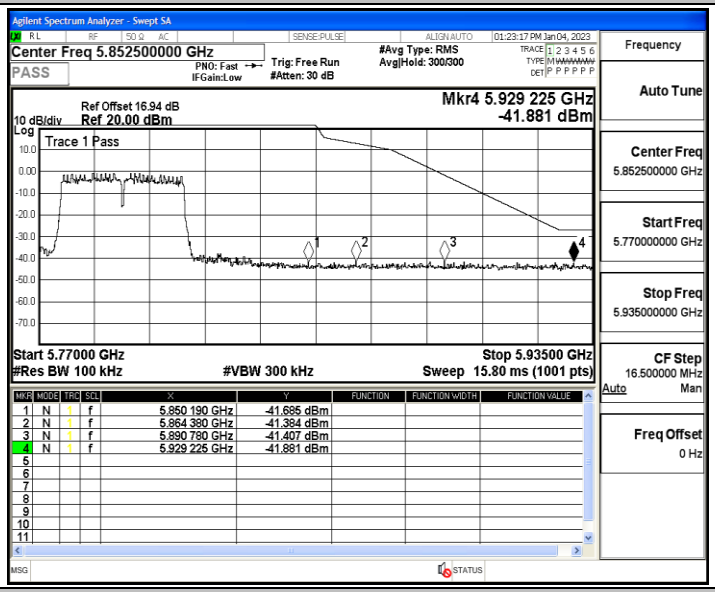


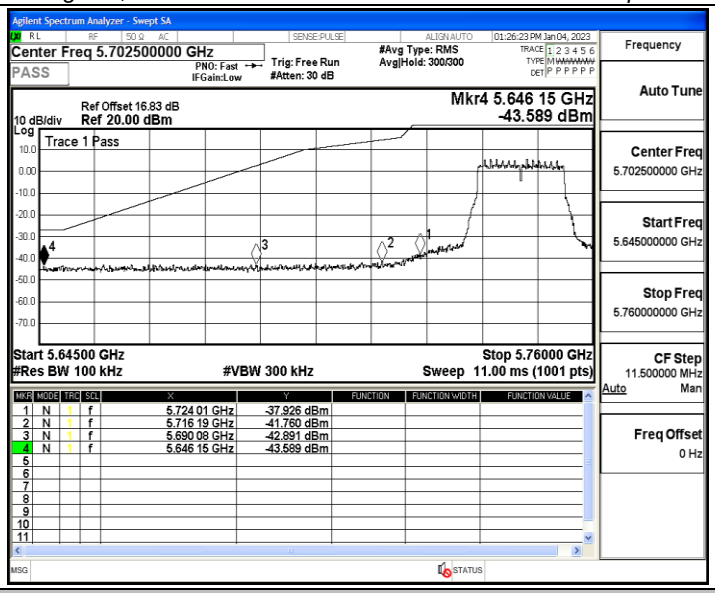
11N40MIMO_Ant1_High_5795



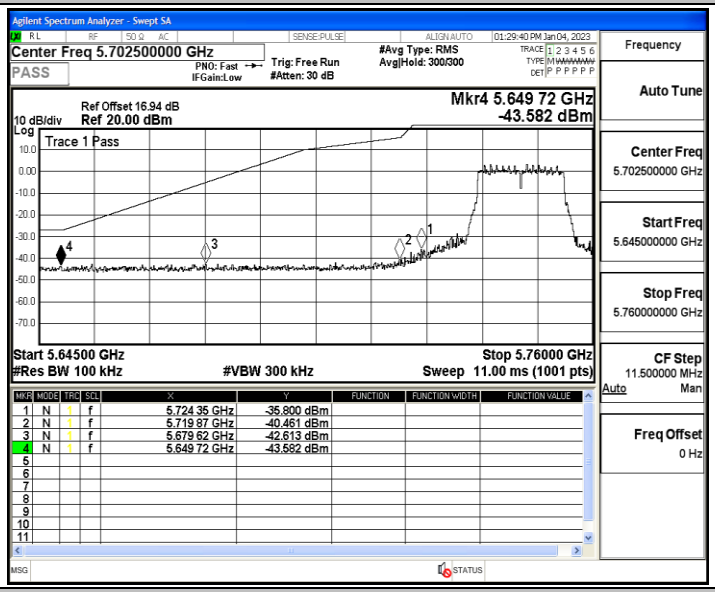
11N40MIMO_Ant2_High_5795



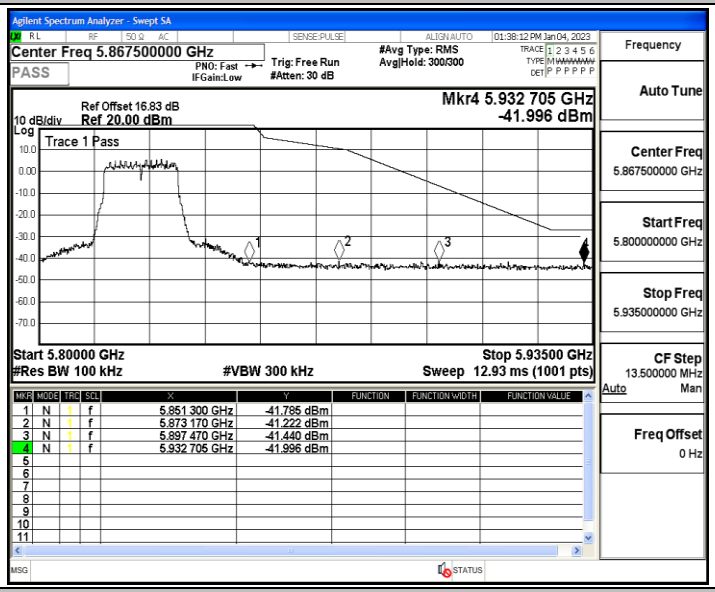
11AC20MIMO_Ant1_Low_5745



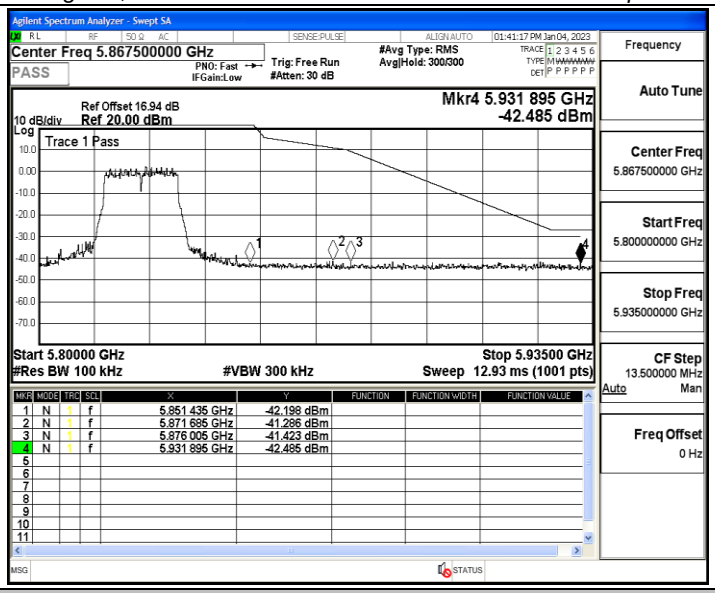
11AC20MIMO_Ant2_Low_5745



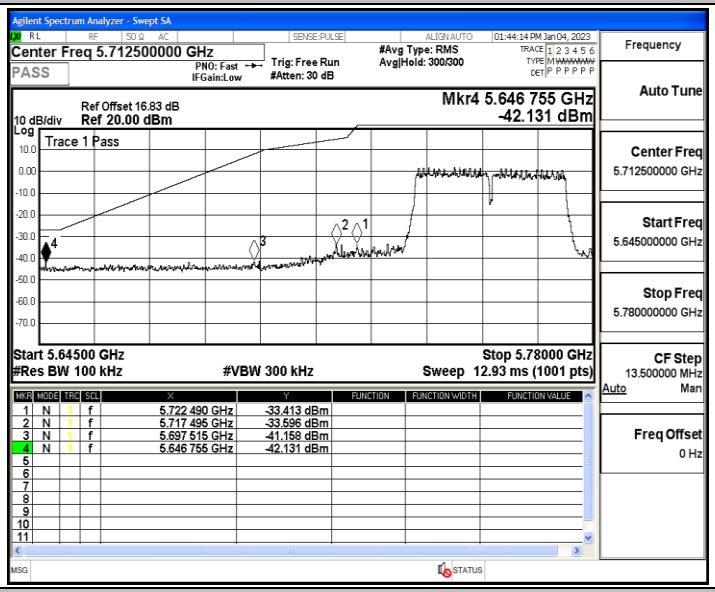
11AC20MIMO_Ant1_High_5825



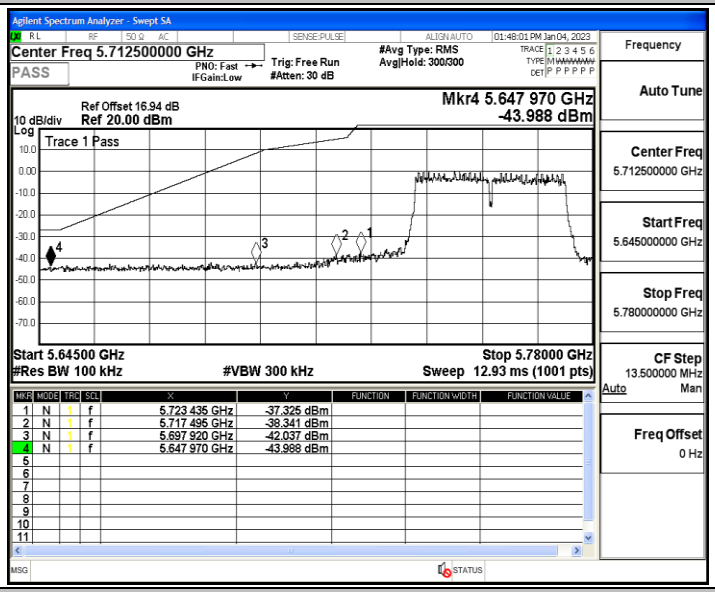
11AC20MIMO_Ant2_High_5825



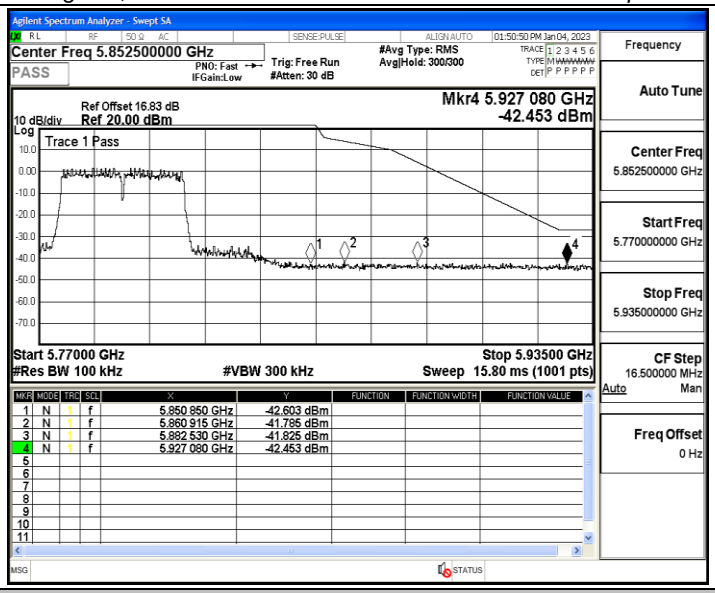
11AC40MIMO_Ant1_Low_5755



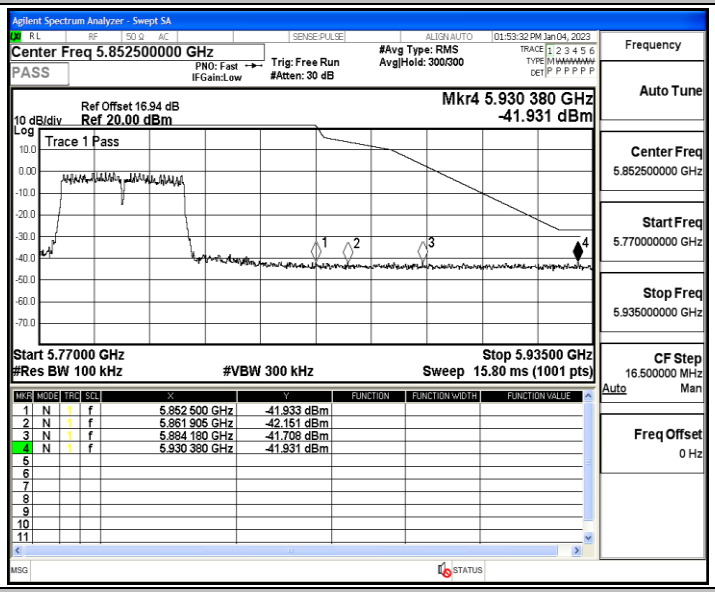
11AC40MIMO_Ant2_Low_5755



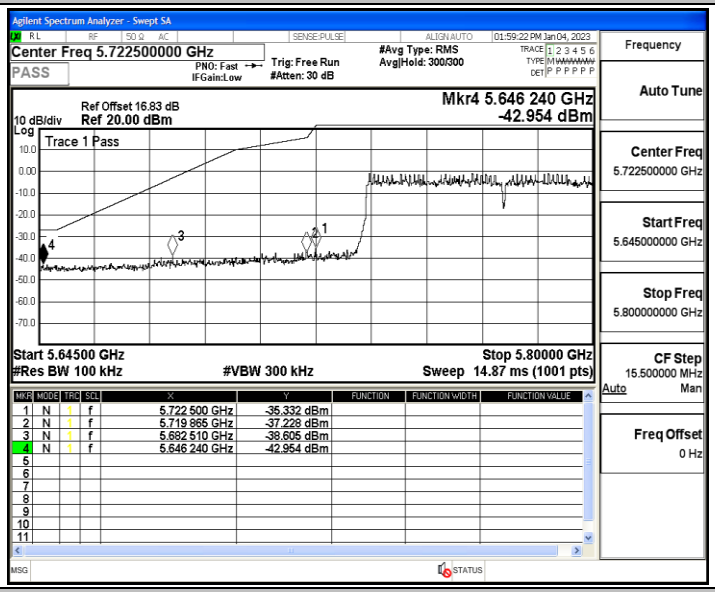
11AC40MIMO_Ant1_High_5795



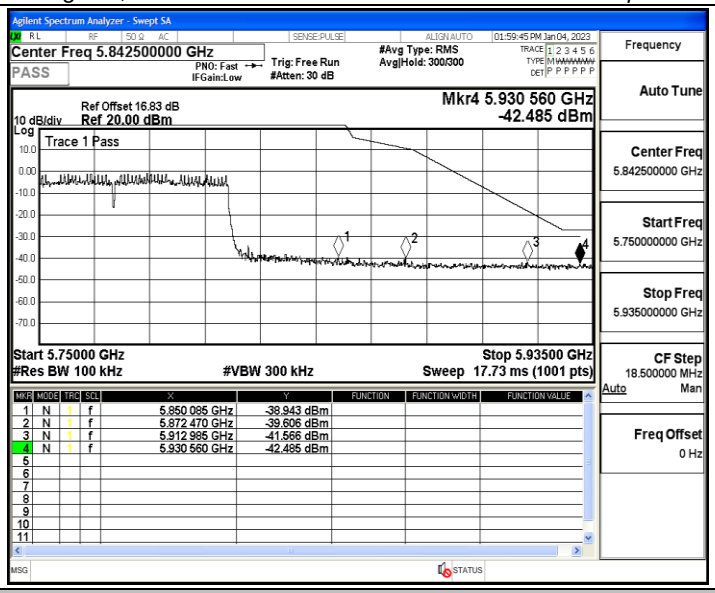
11AC40MIMO_Ant2_High_5795



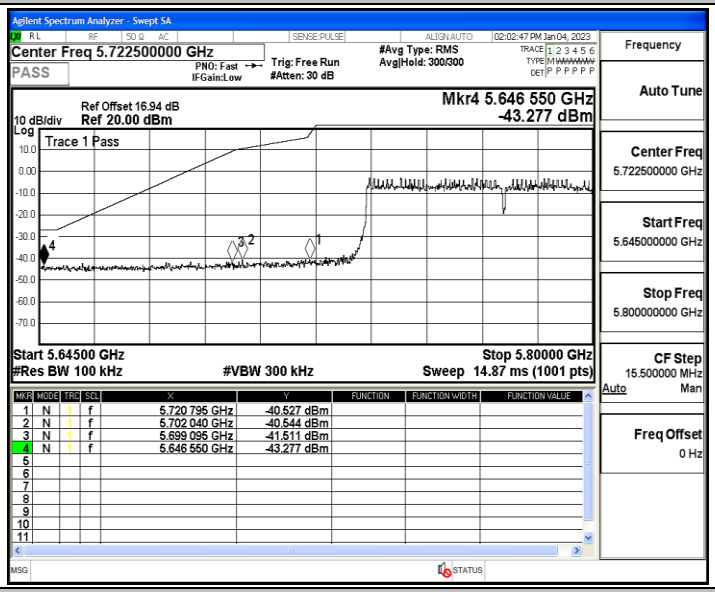
11AC80MIMO_Ant1_Low_5775



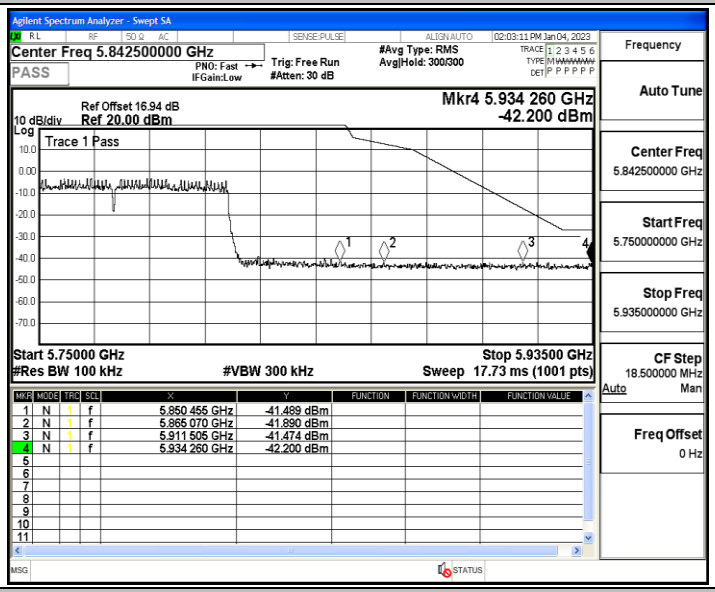
11AC80MIMO_Ant1_High_5775



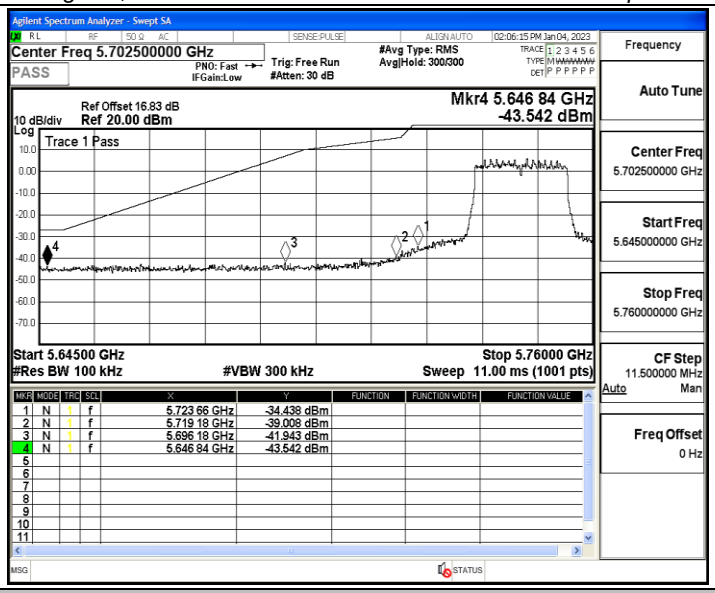
11AC80MIMO_Ant2_Low_5775



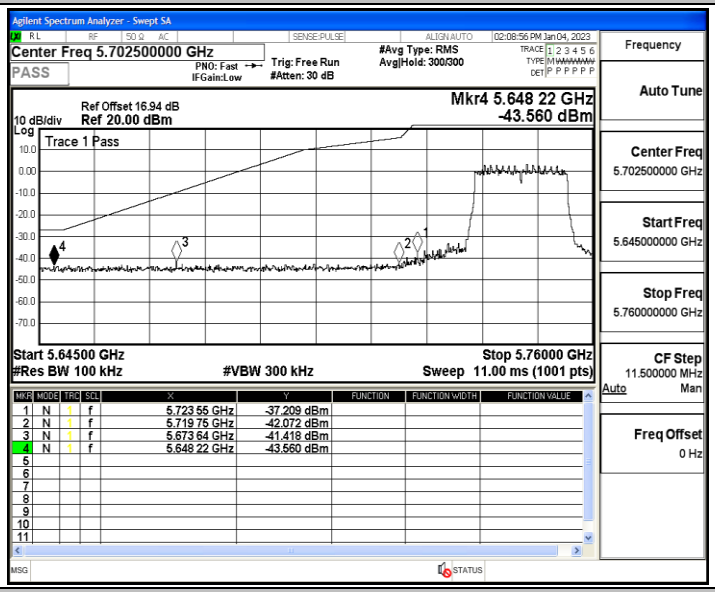
11AC80MIMO_Ant2_High_5775



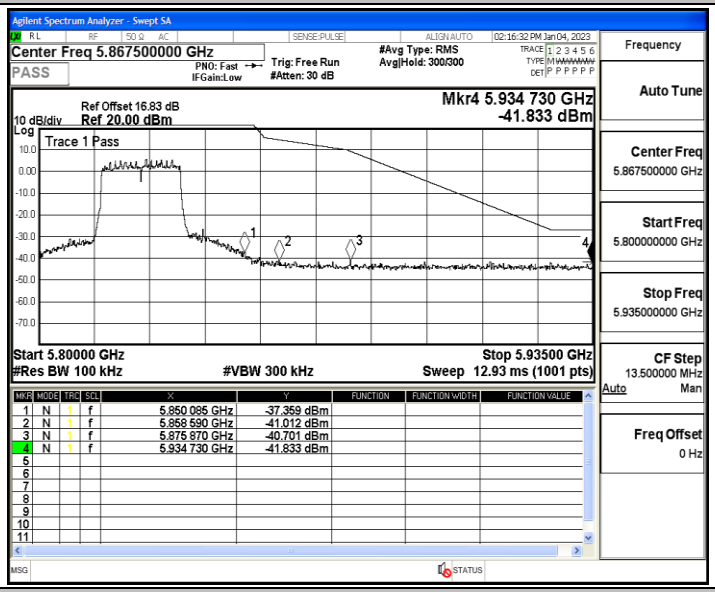
11AX20MIMO_Ant1_Low_5745



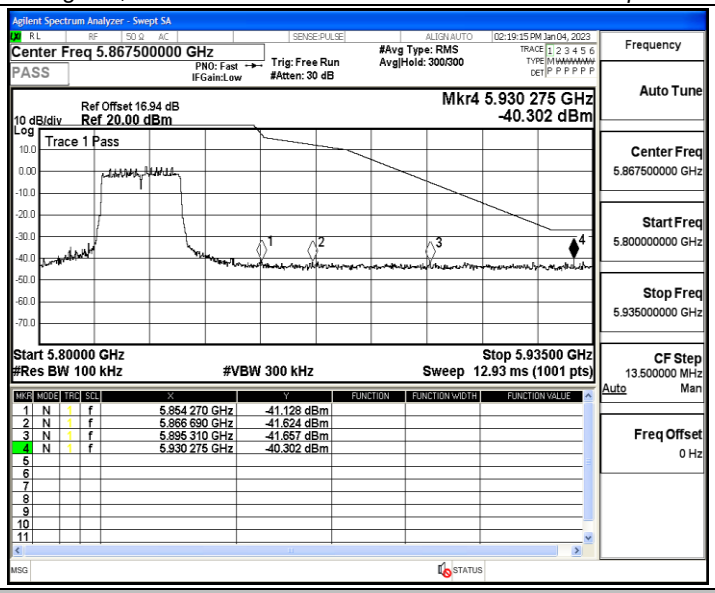
11AX20MIMO_Ant2_Low_5745



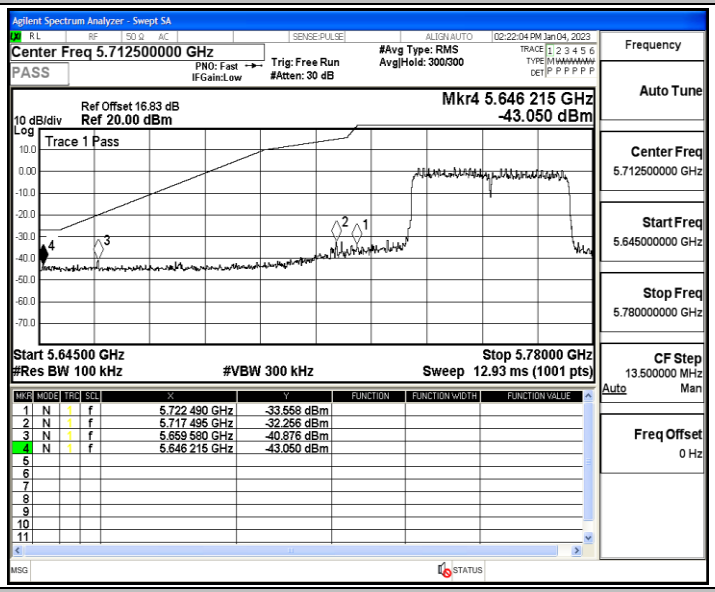
11AX20MIMO_Ant1_High_5825



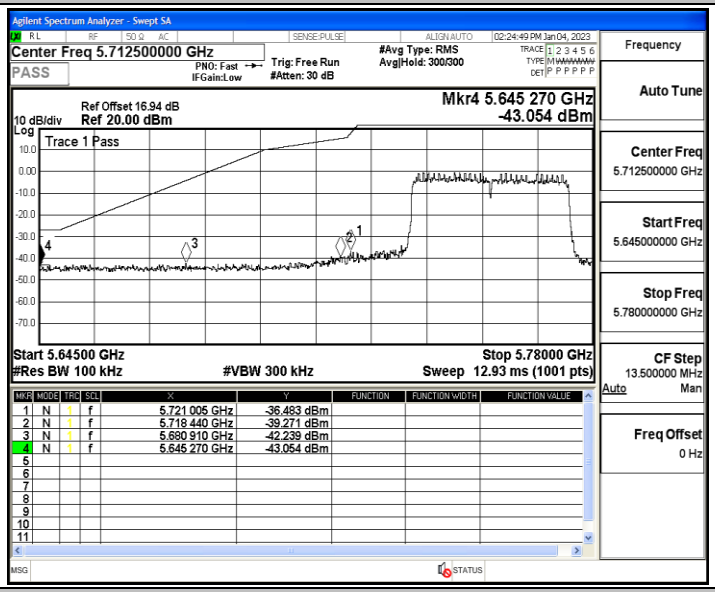
11AX20MIMO_Ant2_High_5825



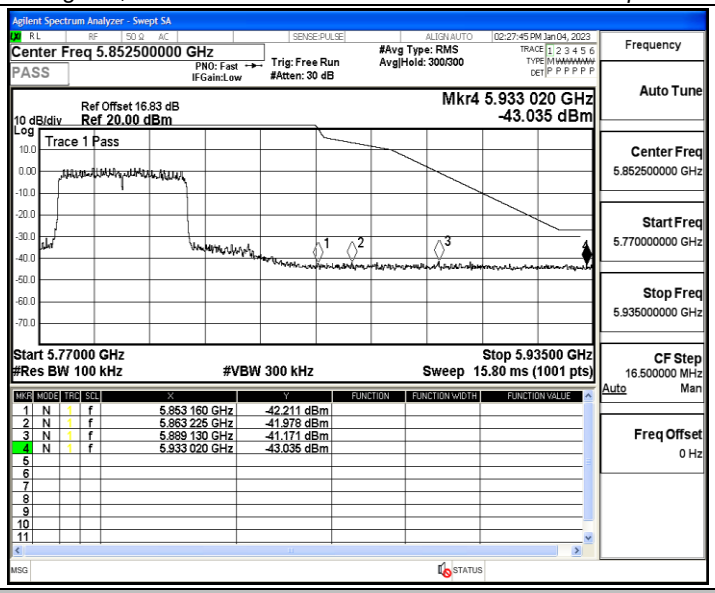
11AX40MIMO_Ant1_Low_5755



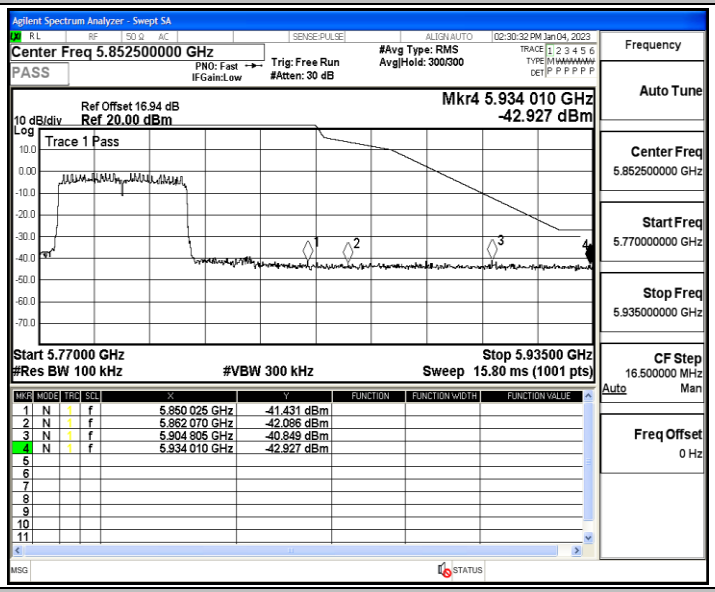
11AX40MIMO_Ant2_Low_5755



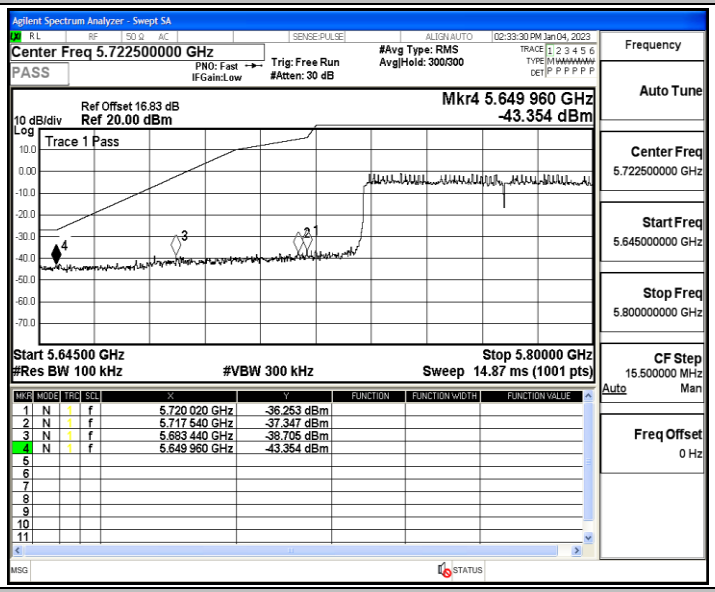
11AX40MIMO_Ant1_High_5795



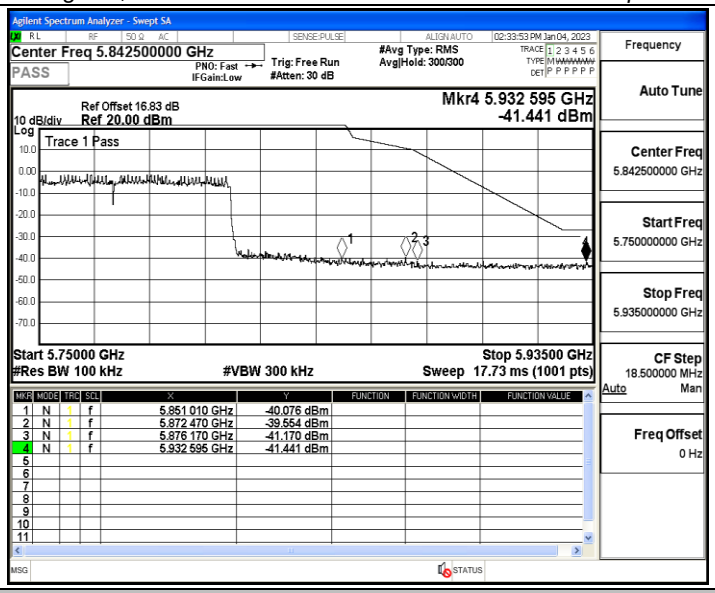
11AX40MIMO_Ant2_High_5795



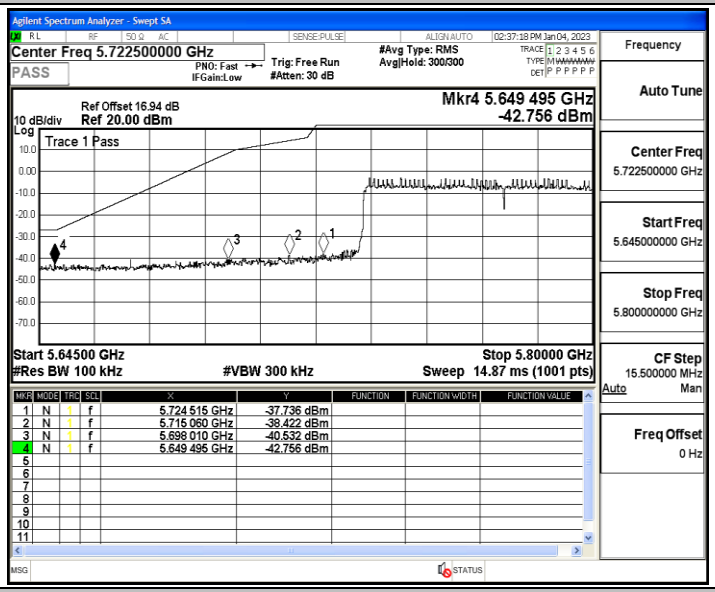
11AX80MIMO_Ant1_Low_5775



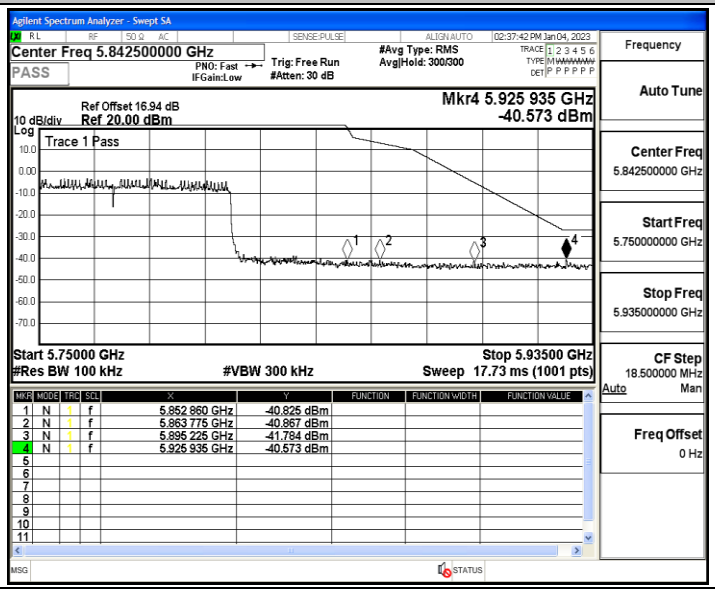
11AX80MIMO_Ant1_High_5775



11AX80MIMO_Ant2_Low_5775



11AX80MIMO_Ant2_High_5775



Appendix E: Frequency Stability

Test Result

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.970359	5725 – 5850	PASS
5745	20	108	5745.062088	5725 – 5850	PASS
5745	50	120	5745.030784	5725 – 5850	PASS
5745	40	120	5744.990176	5725 – 5850	PASS
5745	30	120	5745.019789	5725 – 5850	PASS
5745	20	120	5744.954777	5725 – 5850	PASS
5745	10	120	5744.902685	5725 – 5850	PASS
5745	0	120	5744.985363	5725 – 5850	PASS
5745	-10	120	5744.944053	5725 – 5850	PASS
5745	-20	120	5744.989256	5725 – 5850	PASS
5745	-30	120	5745.033574	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	132	5744.961156	5725 – 5850	PASS
5745	20	108	5744.943798	5725 – 5850	PASS
5745	50	120	5744.973140	5725 – 5850	PASS
5745	40	120	5745.077139	5725 – 5850	PASS
5745	30	120	5745.091374	5725 – 5850	PASS
5745	20	120	5745.039761	5725 – 5850	PASS
5745	10	120	5744.940136	5725 – 5850	PASS
5745	0	120	5745.045849	5725 – 5850	PASS
5745	-10	120	5745.068840	5725 – 5850	PASS
5745	-20	120	5745.097873	5725 – 5850	PASS
5745	-30	120	5744.935341	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5784.983102	5725 – 5850	PASS
5785	20	108	5784.946288	5725 – 5850	PASS
5785	50	120	5785.036310	5725 – 5850	PASS
5785	40	120	5784.935760	5725 – 5850	PASS
5785	30	120	5785.042365	5725 – 5850	PASS
5785	20	120	5784.933818	5725 – 5850	PASS
5785	10	120	5785.055083	5725 – 5850	PASS
5785	0	120	5784.933590	5725 – 5850	PASS
5785	-10	120	5785.059260	5725 – 5850	PASS
5785	-20	120	5784.984253	5725 – 5850	PASS
5785	-30	120	5785.081326	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	132	5784.986447	5725 – 5850	PASS
5785	20	108	5784.917398	5725 – 5850	PASS
5785	50	120	5784.934732	5725 – 5850	PASS
5785	40	120	5785.002830	5725 – 5850	PASS
5785	30	120	5785.029432	5725 – 5850	PASS
5785	20	120	5785.014779	5725 – 5850	PASS
5785	10	120	5784.963339	5725 – 5850	PASS
5785	0	120	5784.996357	5725 – 5850	PASS
5785	-10	120	5784.953368	5725 – 5850	PASS
5785	-20	120	5785.028141	5725 – 5850	PASS
5785	-30	120	5784.991353	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5824.905756	5725 – 5850	PASS
5825	20	108	5824.946077	5725 – 5850	PASS
5825	50	120	5825.078148	5725 – 5850	PASS
5825	40	120	5824.921368	5725 – 5850	PASS
5825	30	120	5825.065093	5725 – 5850	PASS
5825	20	120	5825.094947	5725 – 5850	PASS
5825	10	120	5825.008420	5725 – 5850	PASS
5825	0	120	5824.982095	5725 – 5850	PASS
5825	-10	120	5824.927760	5725 – 5850	PASS
5825	-20	120	5825.066290	5725 – 5850	PASS
5825	-30	120	5824.980362	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	132	5825.041031	5725 – 5850	PASS
5825	20	108	5825.044648	5725 – 5850	PASS
5825	50	120	5825.097310	5725 – 5850	PASS
5825	40	120	5825.097839	5725 – 5850	PASS
5825	30	120	5825.092734	5725 – 5850	PASS
5825	20	120	5825.032381	5725 – 5850	PASS
5825	10	120	5825.014511	5725 – 5850	PASS
5825	0	120	5825.073935	5725 – 5850	PASS
5825	-10	120	5824.994411	5725 – 5850	PASS
5825	-20	120	5825.057282	5725 – 5850	PASS
5825	-30	120	5825.050361	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5754.927247	5725 – 5850	PASS
5755	20	108	5754.973259	5725 – 5850	PASS
5755	50	120	5755.078333	5725 – 5850	PASS
5755	40	120	5754.929900	5725 – 5850	PASS
5755	30	120	5754.931295	5725 – 5850	PASS
5755	20	120	5755.027747	5725 – 5850	PASS
5755	10	120	5754.913841	5725 – 5850	PASS
5755	0	120	5754.974940	5725 – 5850	PASS
5755	-10	120	5755.076919	5725 – 5850	PASS
5755	-20	120	5755.048380	5725 – 5850	PASS
5755	-30	120	5754.964834	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	132	5755.009508	5725 – 5850	PASS
5755	20	108	5755.040565	5725 – 5850	PASS
5755	50	120	5754.979289	5725 – 5850	PASS
5755	40	120	5755.063363	5725 – 5850	PASS
5755	30	120	5754.957338	5725 – 5850	PASS
5755	20	120	5755.054914	5725 – 5850	PASS
5755	10	120	5755.066989	5725 – 5850	PASS
5755	0	120	5755.079819	5725 – 5850	PASS
5755	-10	120	5754.926307	5725 – 5850	PASS
5755	-20	120	5754.944498	5725 – 5850	PASS
5755	-30	120	5754.990580	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5795.031069	5725 – 5850	PASS
5795	20	108	5795.064758	5725 – 5850	PASS
5795	50	120	5795.024230	5725 – 5850	PASS
5795	40	120	5794.918687	5725 – 5850	PASS
5795	30	120	5795.087043	5725 – 5850	PASS
5795	20	120	5795.019259	5725 – 5850	PASS
5795	10	120	5794.988021	5725 – 5850	PASS
5795	0	120	5795.086167	5725 – 5850	PASS
5795	-10	120	5795.064020	5725 – 5850	PASS
5795	-20	120	5794.929919	5725 – 5850	PASS
5795	-30	120	5795.030123	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	132	5794.977925	5725 – 5850	PASS
5795	20	108	5795.057040	5725 – 5850	PASS
5795	50	120	5794.911779	5725 – 5850	PASS
5795	40	120	5794.980459	5725 – 5850	PASS
5795	30	120	5795.061981	5725 – 5850	PASS
5795	20	120	5794.905377	5725 – 5850	PASS
5795	10	120	5794.936802	5725 – 5850	PASS
5795	0	120	5795.033007	5725 – 5850	PASS
5795	-10	120	5794.905014	5725 – 5850	PASS
5795	-20	120	5795.070669	5725 – 5850	PASS
5795	-30	120	5794.975027	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5794.973564	5725 – 5850	PASS
5775	20	108	5794.923426	5725 – 5850	PASS
5775	50	120	5794.969153	5725 – 5850	PASS
5775	40	120	5794.911527	5725 – 5850	PASS
5775	30	120	5794.921551	5725 – 5850	PASS
5775	20	120	5795.057631	5725 – 5850	PASS
5775	10	120	5794.928545	5725 – 5850	PASS
5775	0	120	5795.037543	5725 – 5850	PASS
5775	-10	120	5794.935036	5725 – 5850	PASS
5775	-20	120	5795.030346	5725 – 5850	PASS
5775	-30	120	5794.999732	5725 – 5850	PASS

Ant2

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VAC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	132	5794.966580	5725 – 5850	PASS
5775	20	108	5794.982076	5725 – 5850	PASS
5775	50	120	5795.047305	5725 – 5850	PASS
5775	40	120	5795.011586	5725 – 5850	PASS
5775	30	120	5795.073677	5725 – 5850	PASS
5775	20	120	5795.009401	5725 – 5850	PASS
5775	10	120	5795.074784	5725 – 5850	PASS
5775	0	120	5795.046965	5725 – 5850	PASS
5775	-10	120	5794.957724	5725 – 5850	PASS
5775	-20	120	5795.010807	5725 – 5850	PASS
5775	-30	120	5794.940603	5725 – 5850	PASS

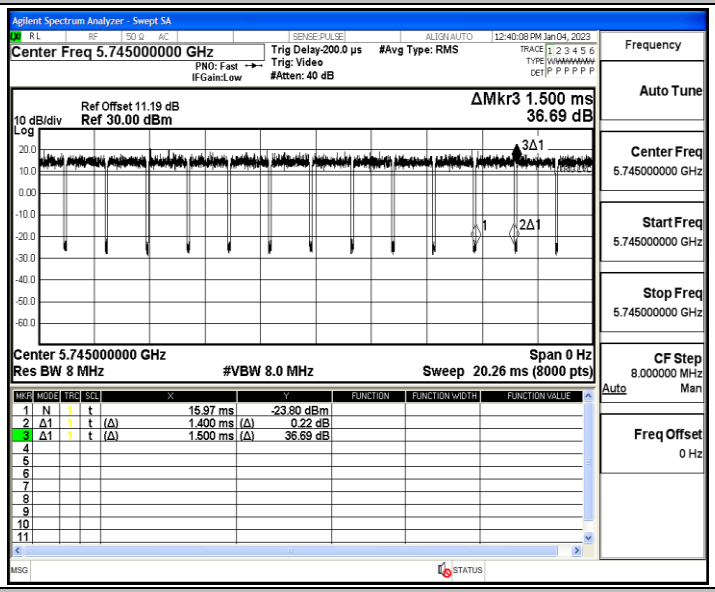
Appendix F: Duty Cycle

Test Result

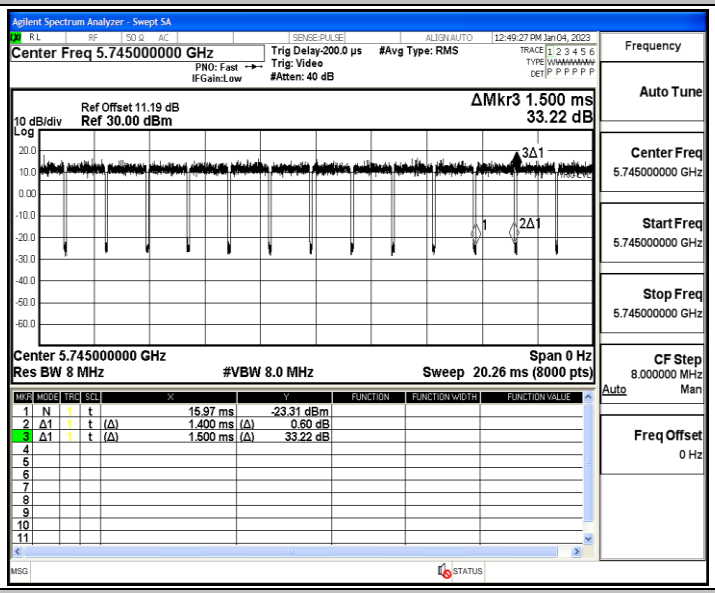
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
11A	Ant1	5745	1.40	1.50	93.33	0.71
	Ant2	5745	1.40	1.50	93.33	0.71
	Ant1	5785	1.39	1.49	93.29	0.72
	Ant2	5785	1.40	1.50	93.33	0.71
	Ant1	5825	1.40	1.49	93.96	0.71
	Ant2	5825	1.40	1.81	77.35	0.71
11N20MIMO	Ant1	5745	0.16	0.26	61.54	6.25
	Ant2	5745	0.16	0.26	61.54	6.25
	Ant1	5785	0.16	0.26	61.54	6.25
	Ant2	5785	0.16	0.26	61.54	6.25
	Ant1	5825	0.16	0.26	61.54	6.25
	Ant2	5825	0.16	0.26	61.54	6.25
11N40MIMO	Ant1	5755	0.10	0.20	50.00	10.00
	Ant2	5755	0.10	0.20	50.00	10.00
	Ant1	5795	0.10	0.20	50.00	10.00
	Ant2	5795	0.10	0.20	50.00	10.00
11AC20MIMO	Ant1	5745	0.36	0.46	78.26	2.78
	Ant2	5745	0.36	0.46	78.26	2.78
	Ant1	5785	0.36	0.46	78.26	2.78
	Ant2	5785	0.36	0.46	78.26	2.78
	Ant1	5825	0.36	0.46	78.26	2.78
	Ant2	5825	0.36	0.47	76.60	2.78
11AC40MIMO	Ant1	5755	0.09	0.19	47.37	11.11
	Ant2	5755	0.08	0.19	42.11	12.50
	Ant1	5795	0.09	0.19	47.37	11.11
	Ant2	5795	0.08	0.18	44.44	12.50
11AC80MIMO	Ant1	5775	0.06	0.16	37.50	16.67
	Ant2	5775	0.07	0.16	43.75	14.29
11AX20MIMO	Ant1	5745	0.12	0.22	54.55	8.33
	Ant2	5745	0.12	0.22	54.55	8.33
	Ant1	5785	0.12	0.22	54.55	8.33
	Ant2	5785	0.11	0.21	52.38	9.09
	Ant1	5825	0.12	0.22	54.55	8.33
	Ant2	5825	0.12	0.22	54.55	8.33
11AX40MIMO	Ant1	5755	0.09	0.19	47.37	11.11
	Ant2	5755	0.09	0.19	47.37	11.11
	Ant1	5795	0.09	0.19	47.37	11.11
	Ant2	5795	0.09	0.19	47.37	11.11
11AX80MIMO	Ant1	5775	0.07	0.17	41.18	14.29
	Ant2	5775	0.07	0.17	41.18	14.29

Test Graphs

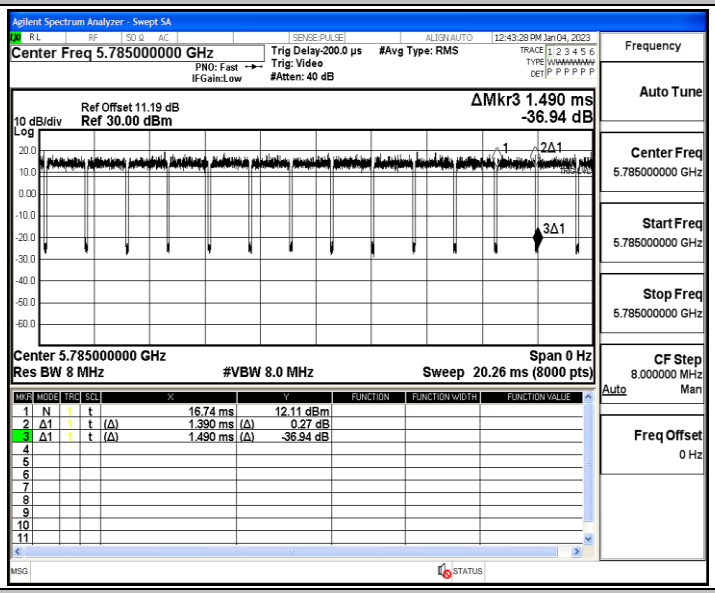
11A_Ant1_5745



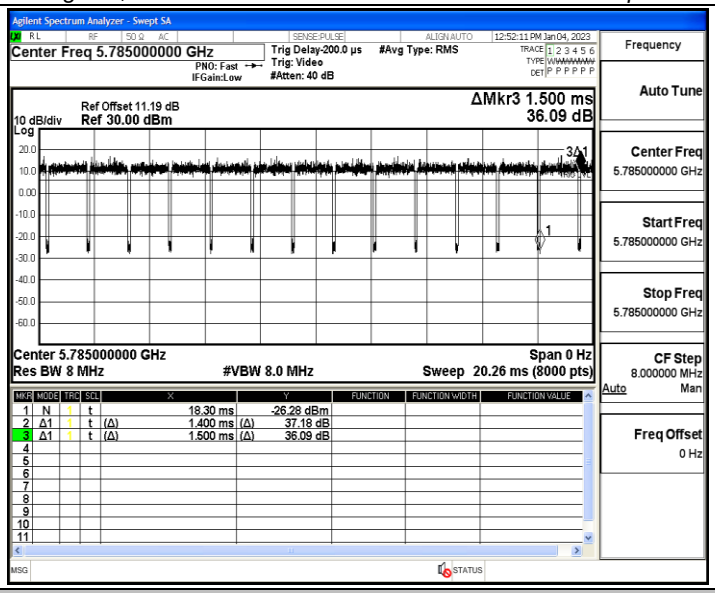
11A_Ant2_5745



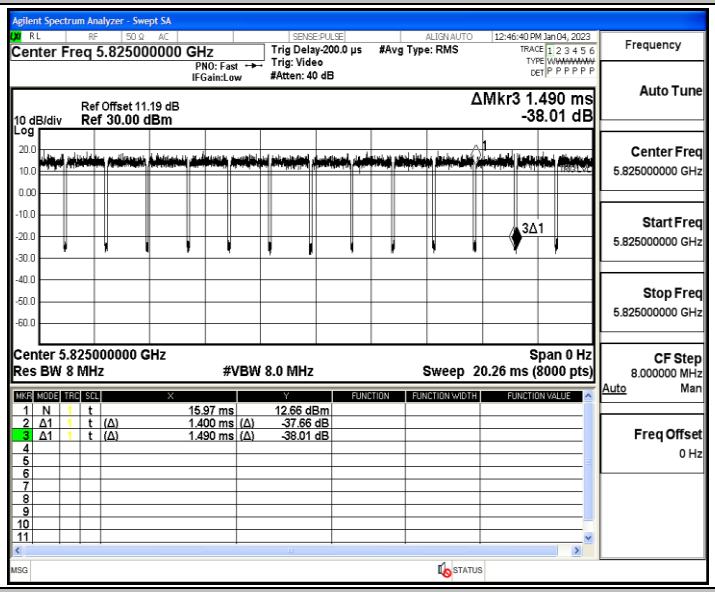
11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825



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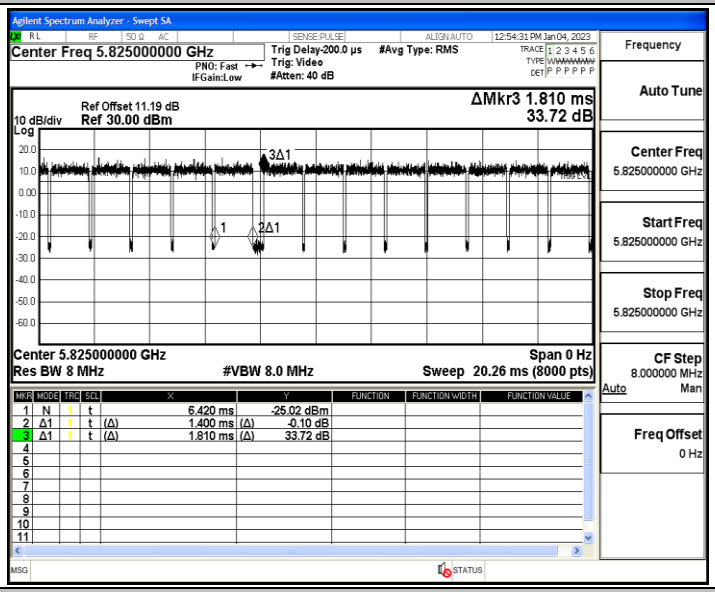

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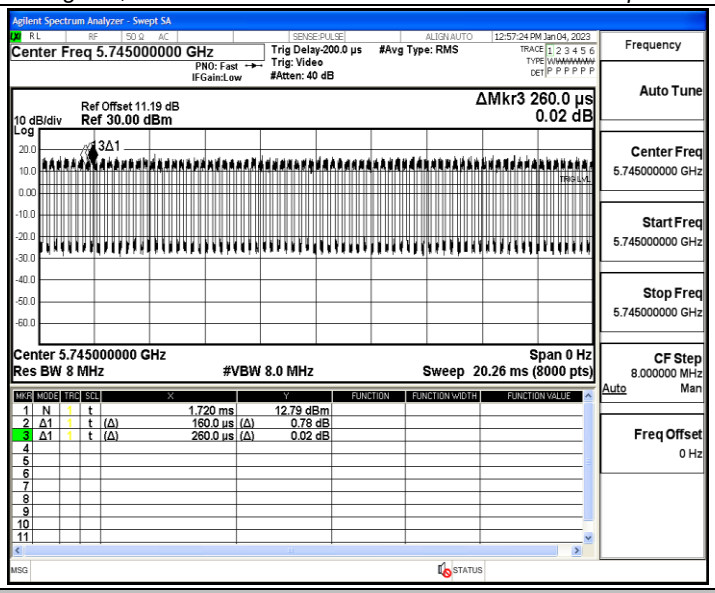

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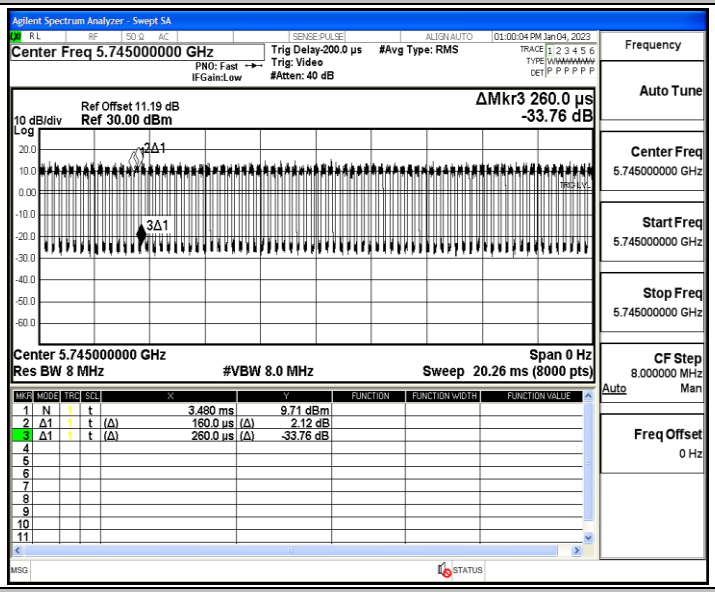

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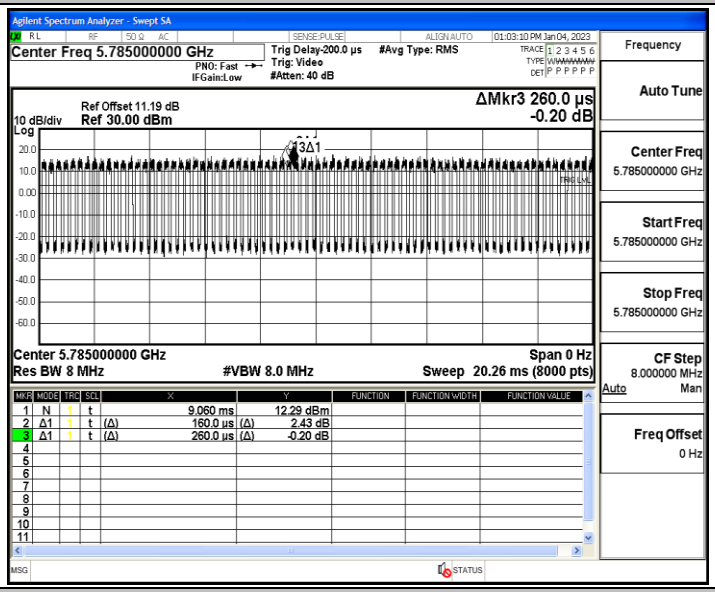

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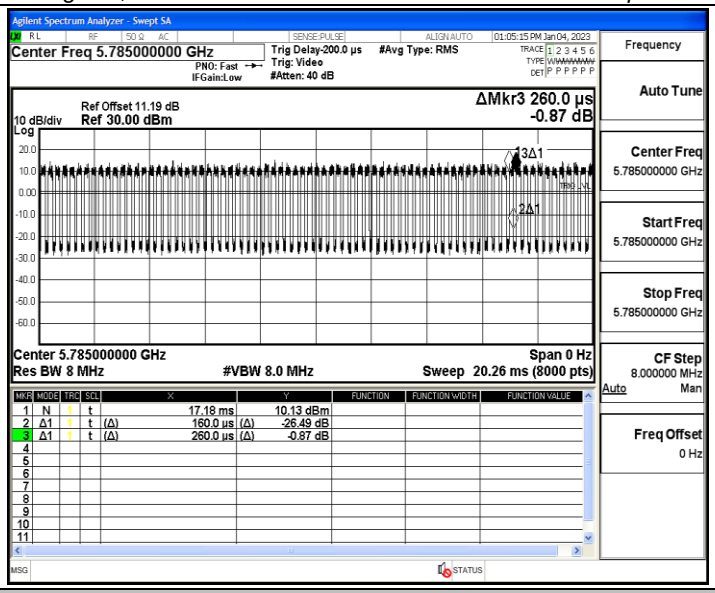

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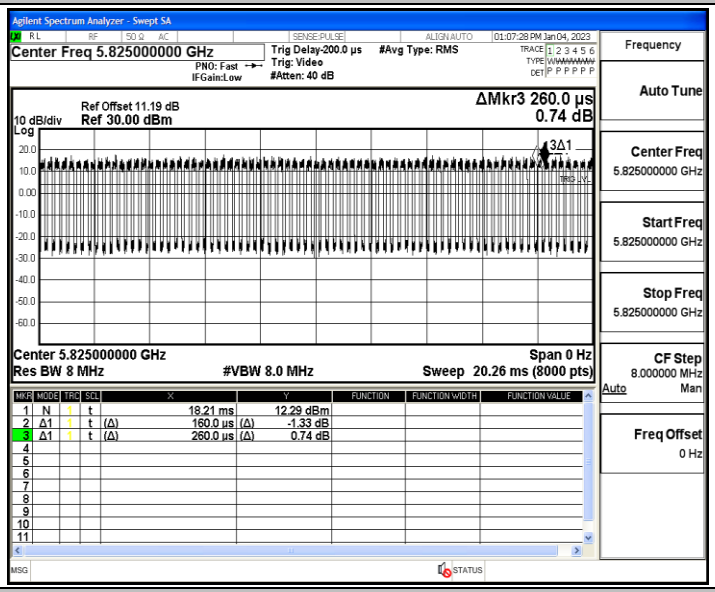

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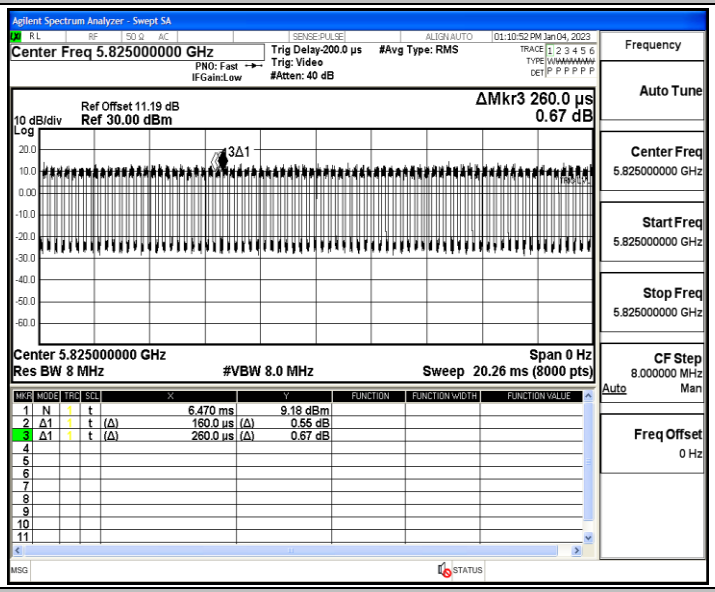

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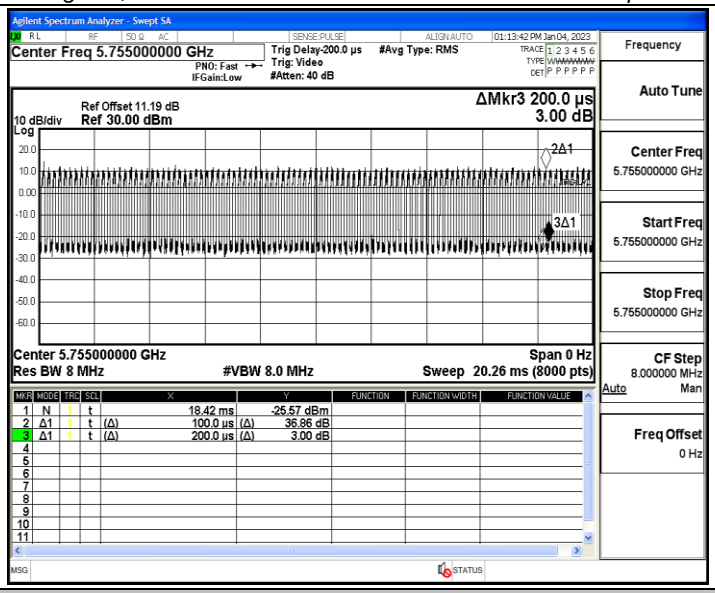

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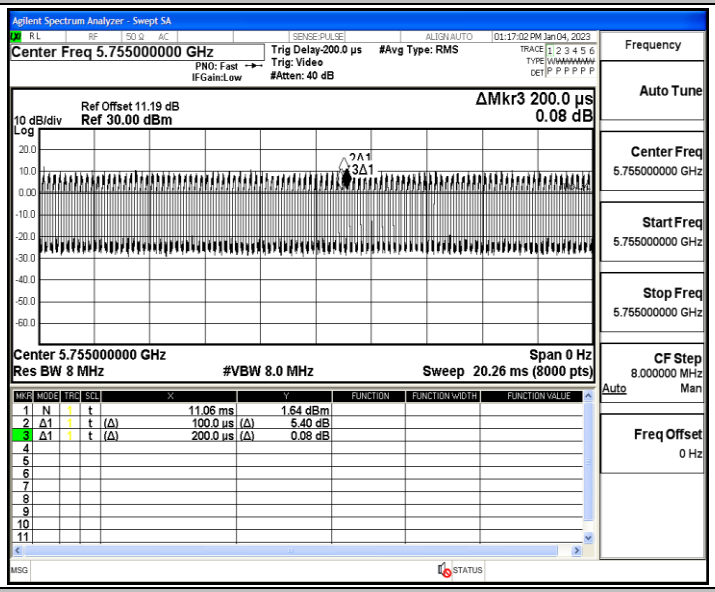

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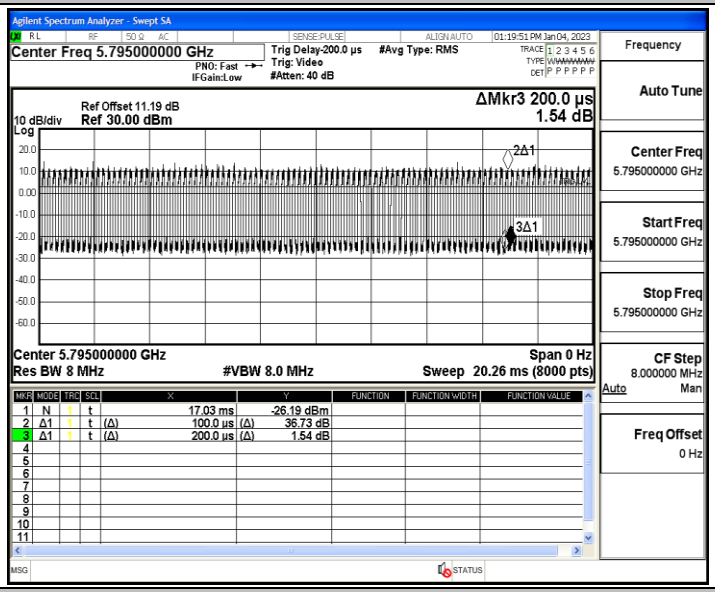

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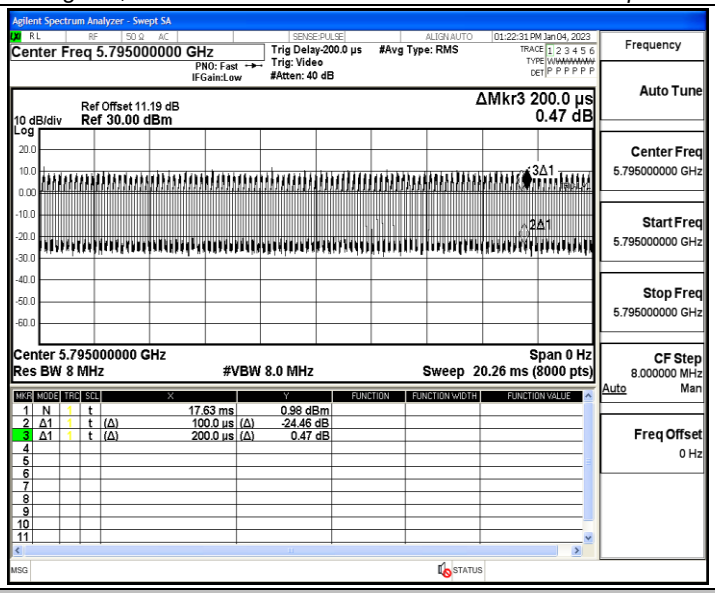

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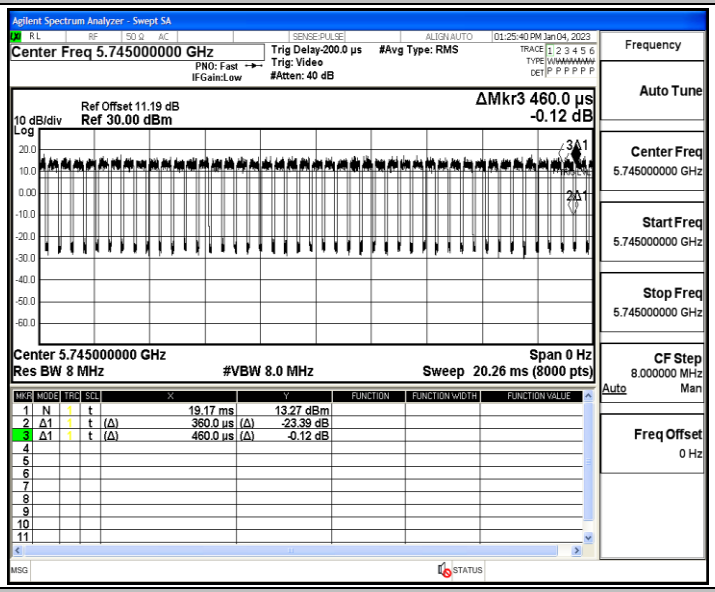

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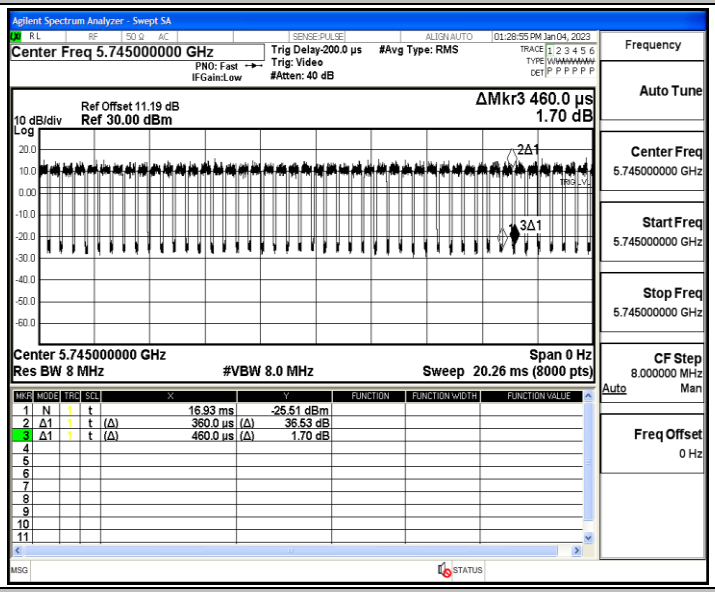

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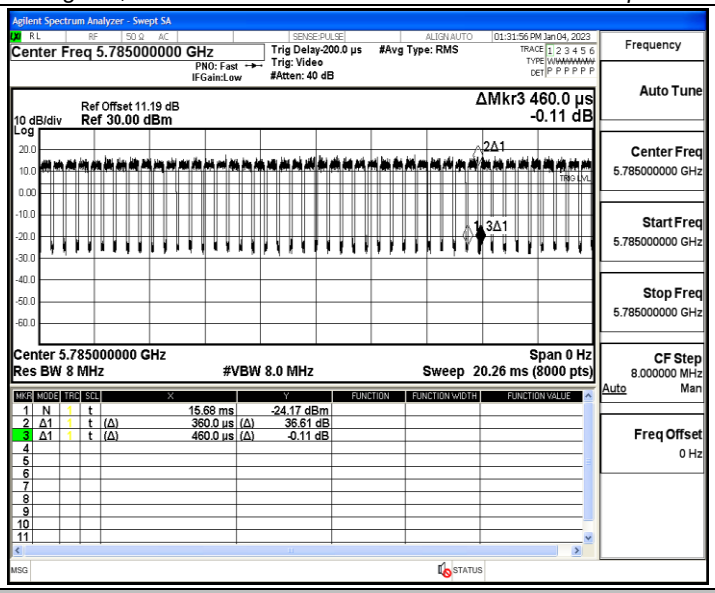

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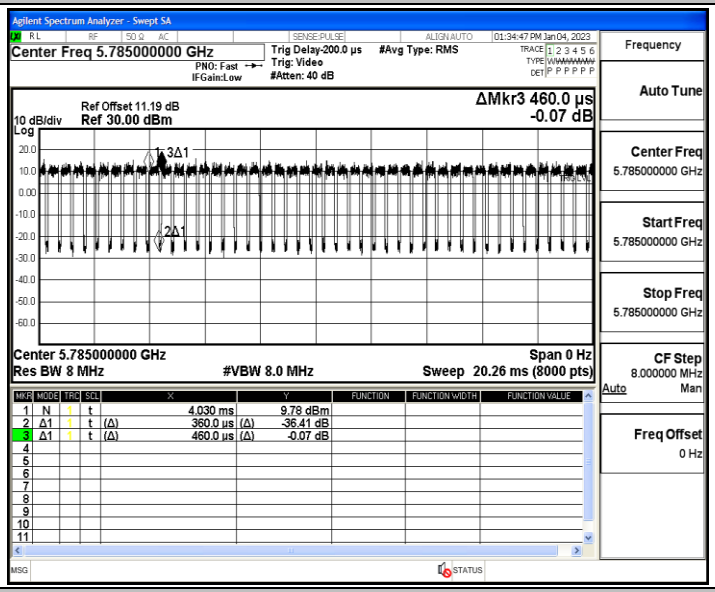

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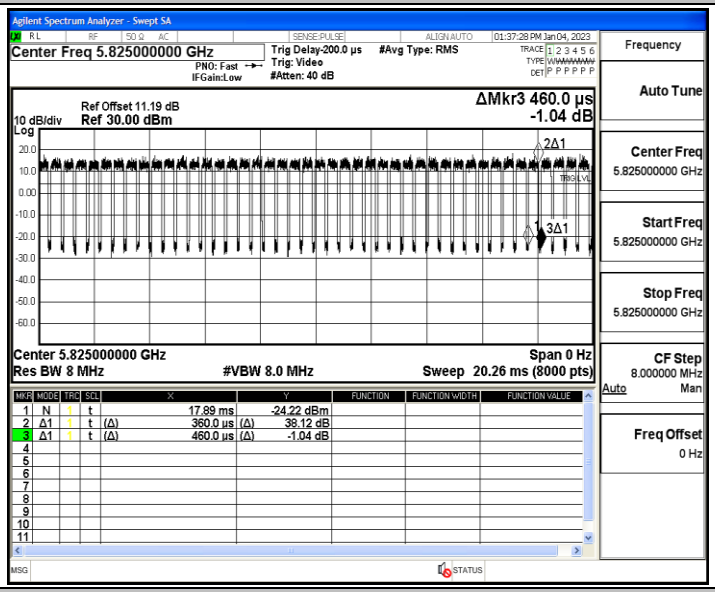

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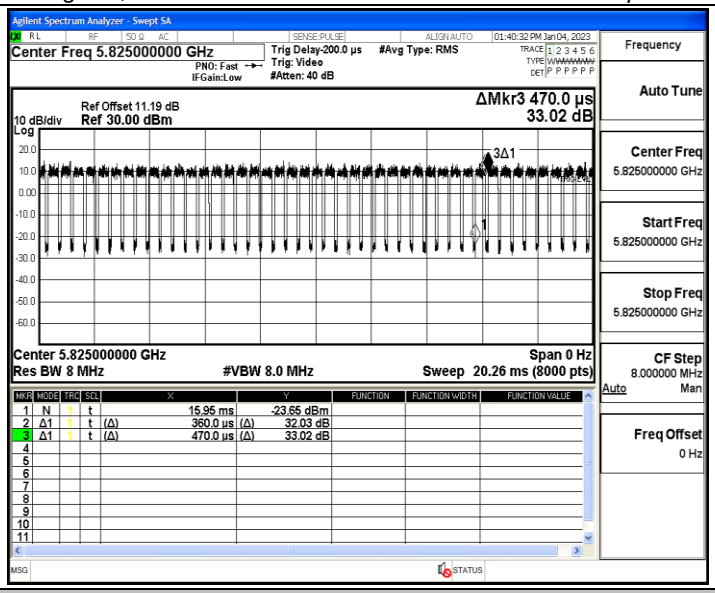

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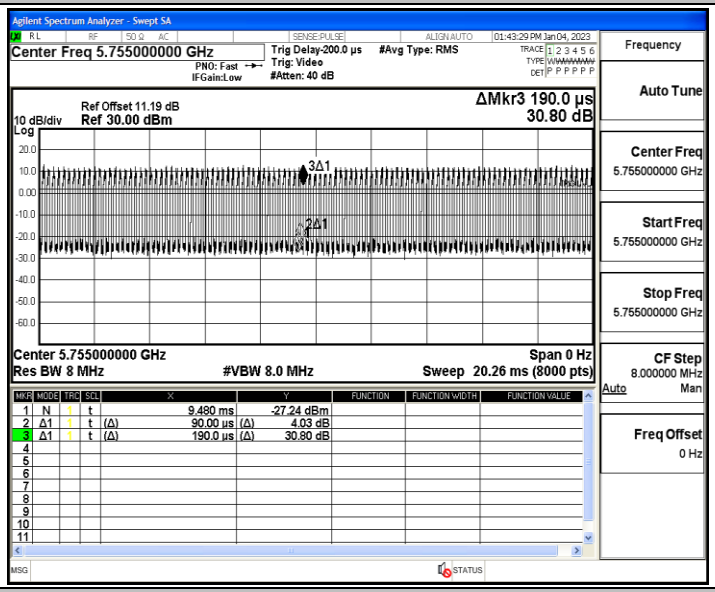

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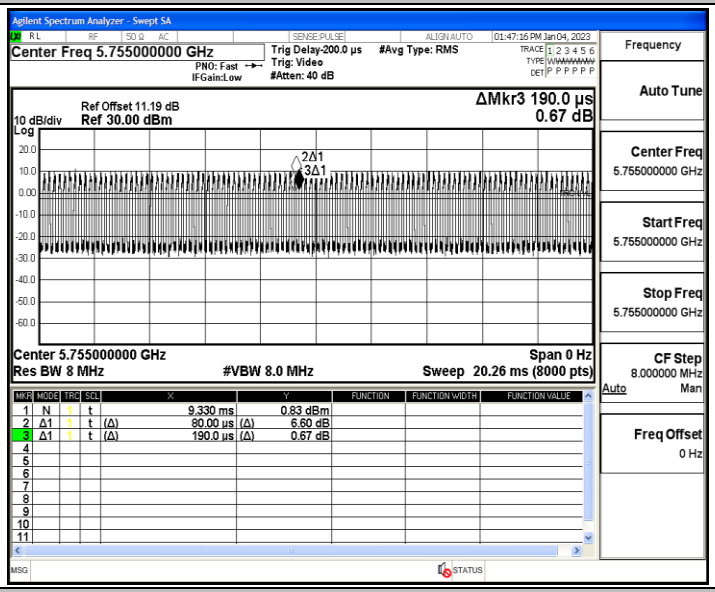

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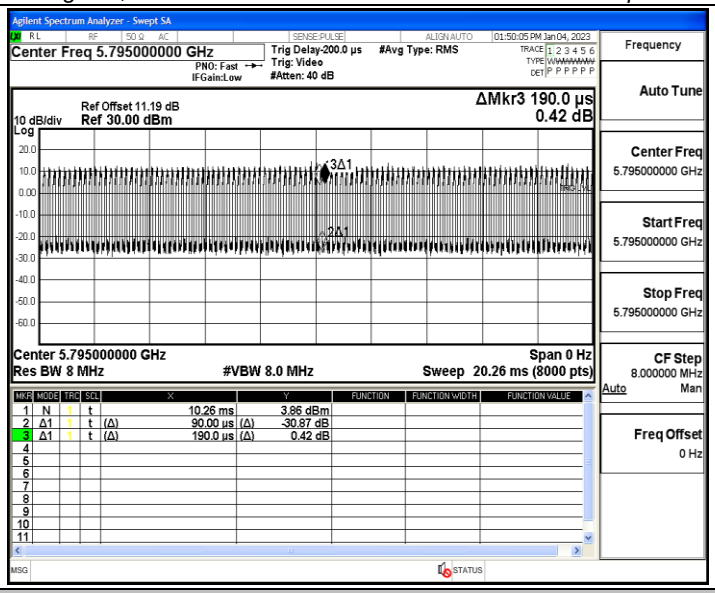

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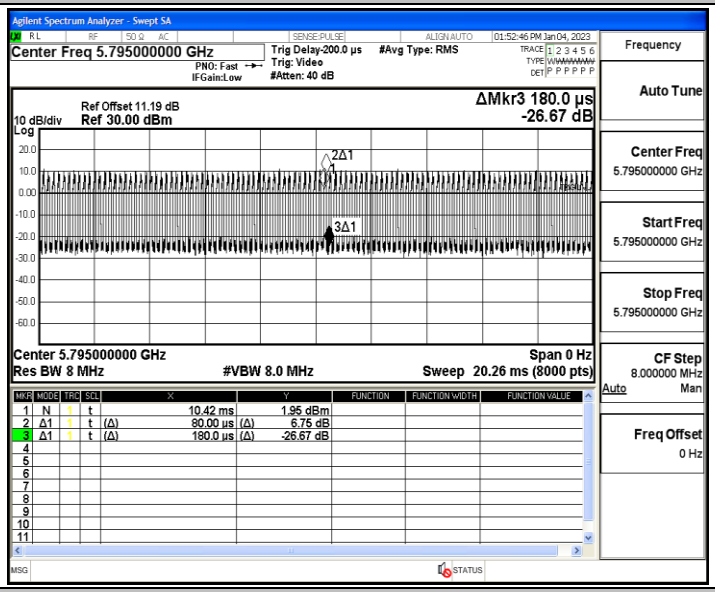

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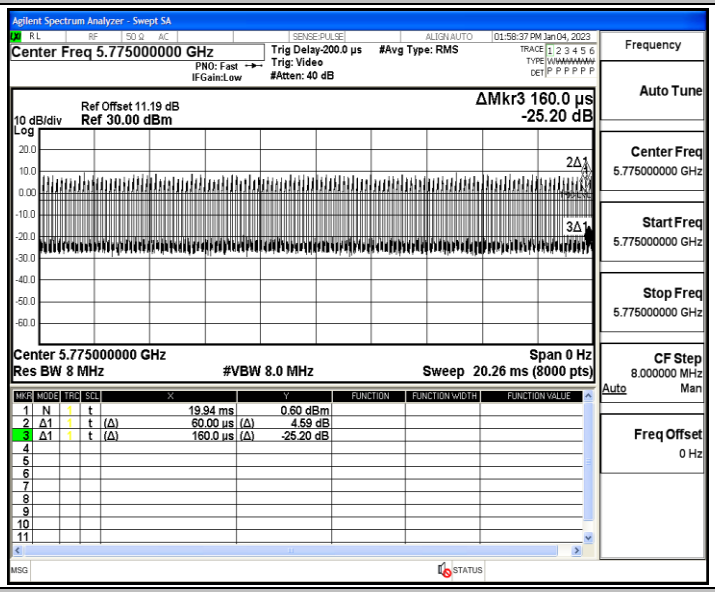

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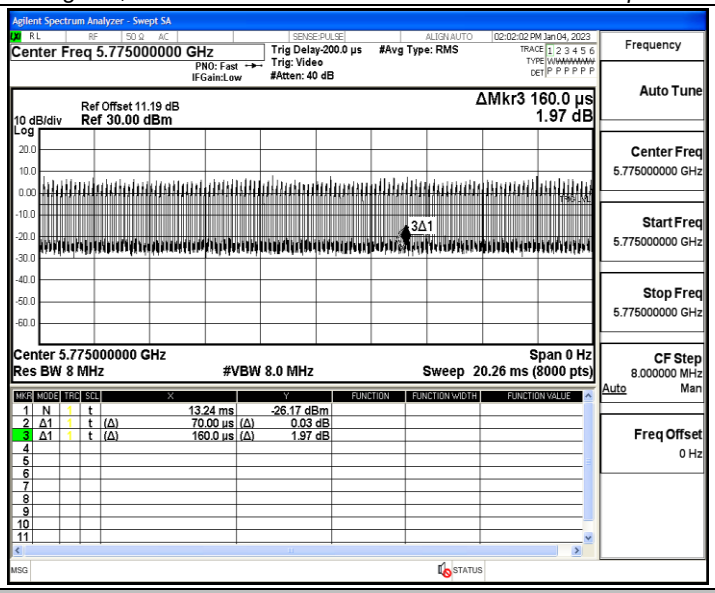

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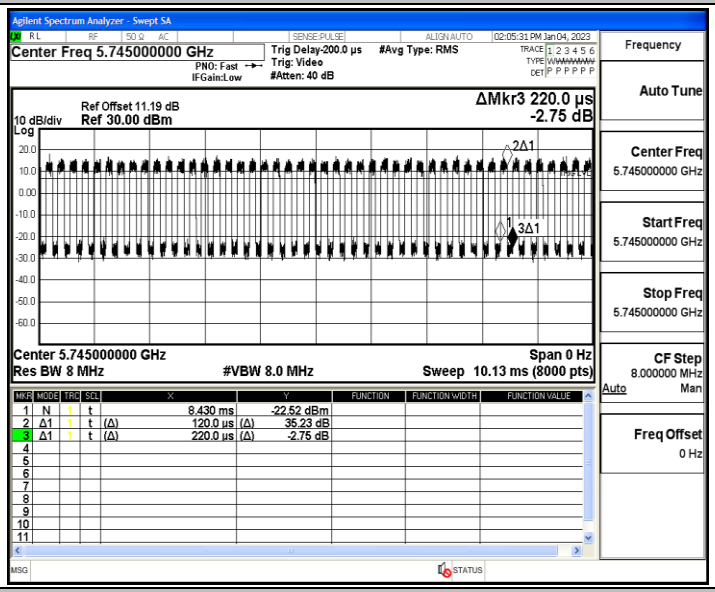

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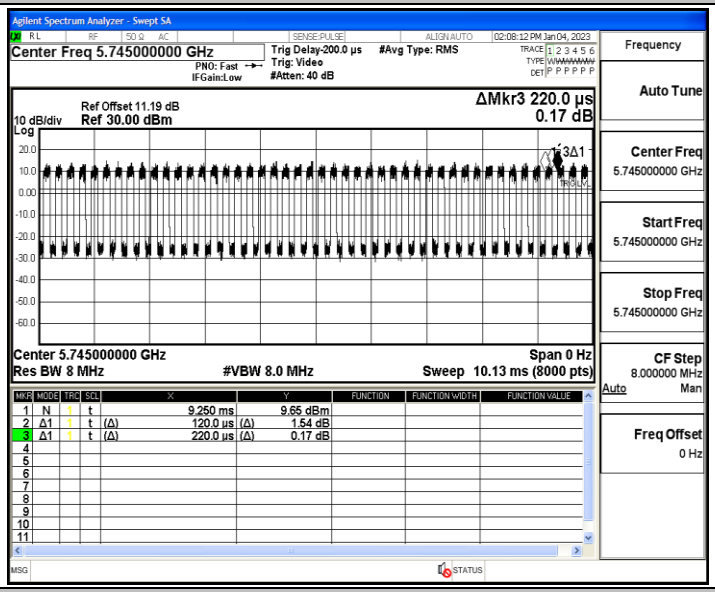

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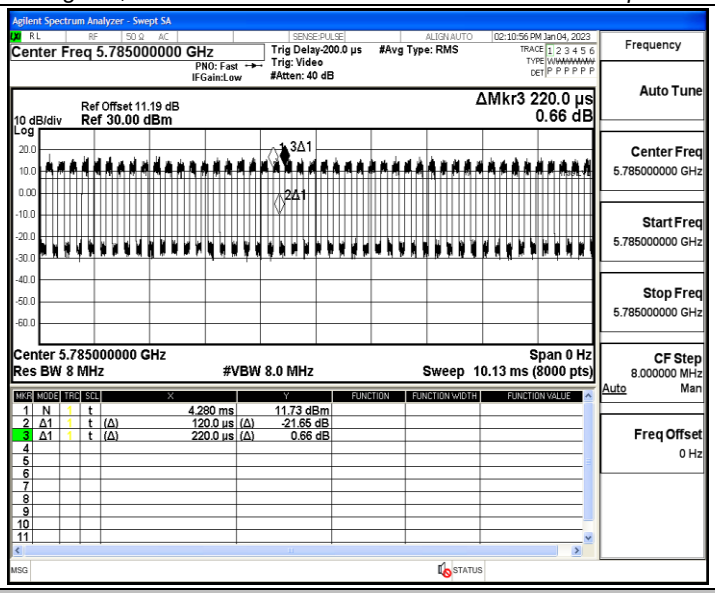

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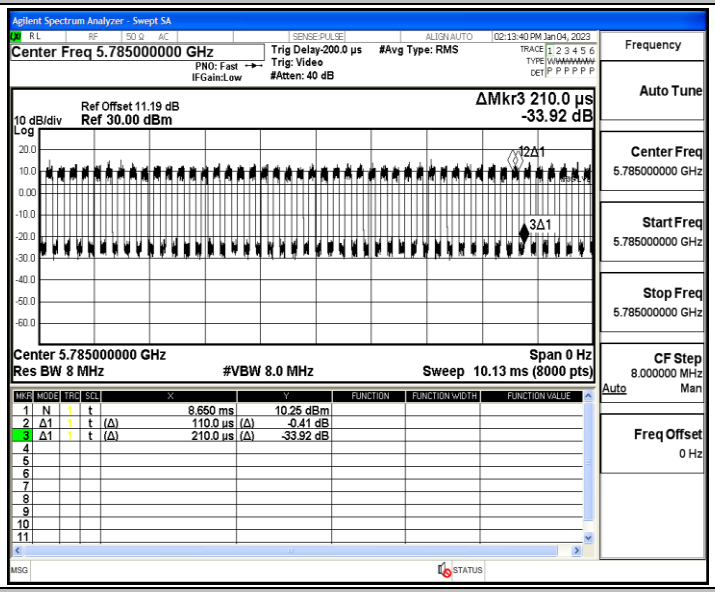

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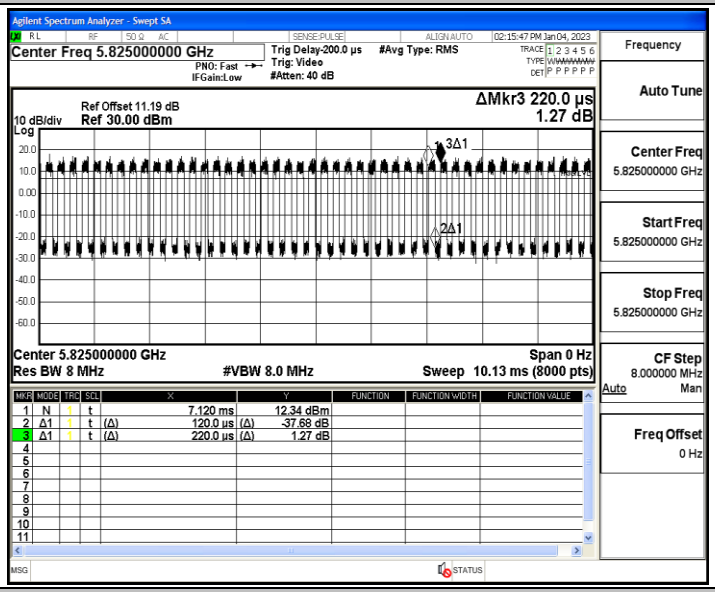

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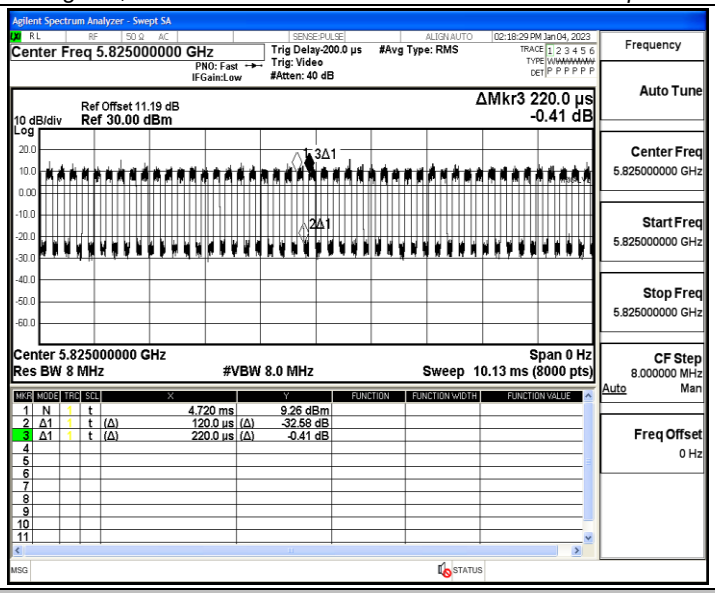

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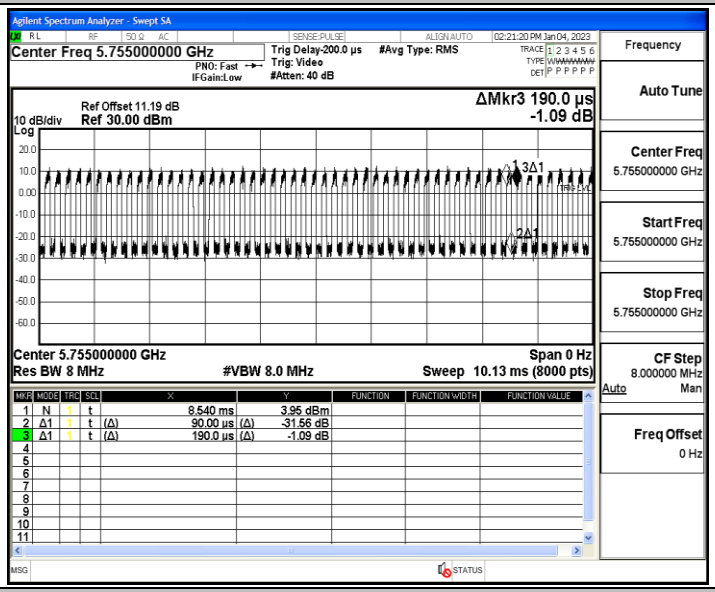

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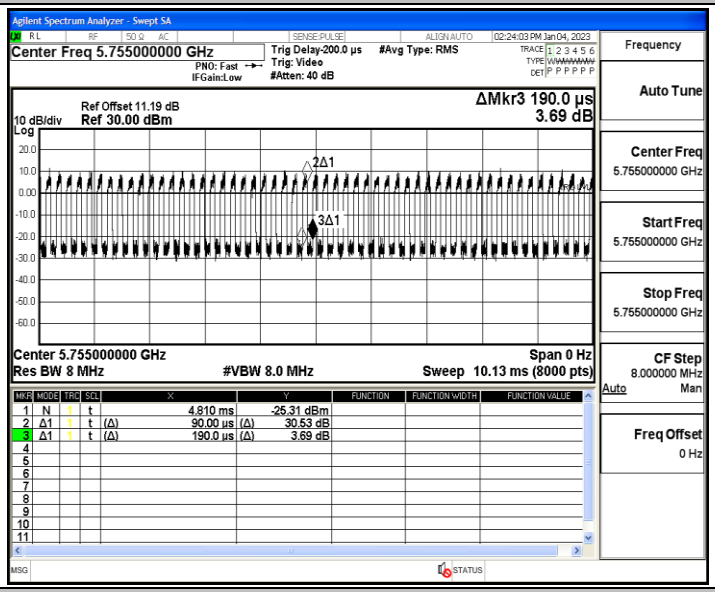

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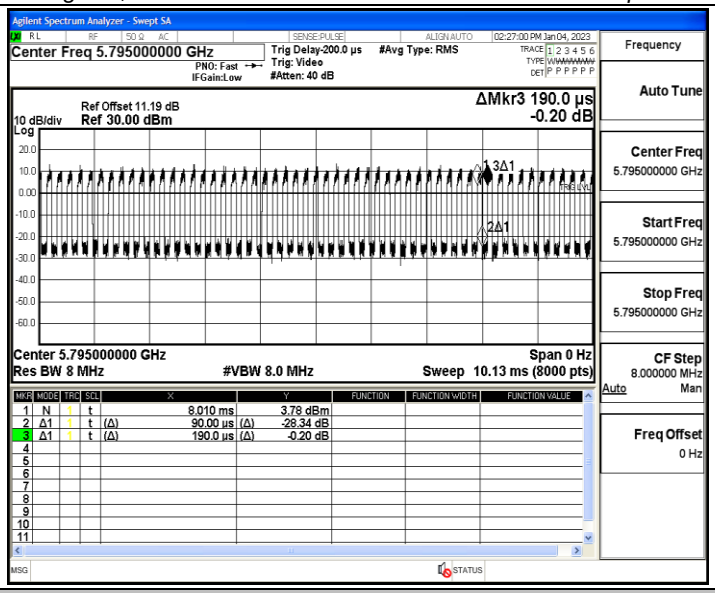

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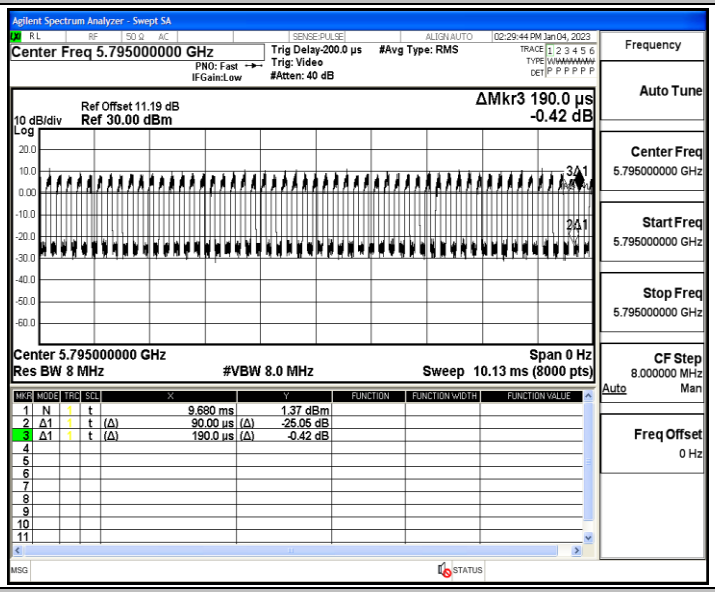

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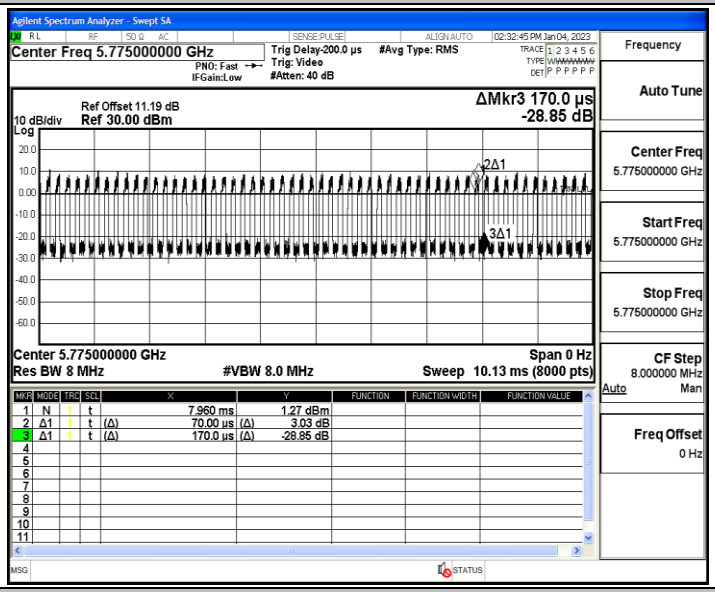

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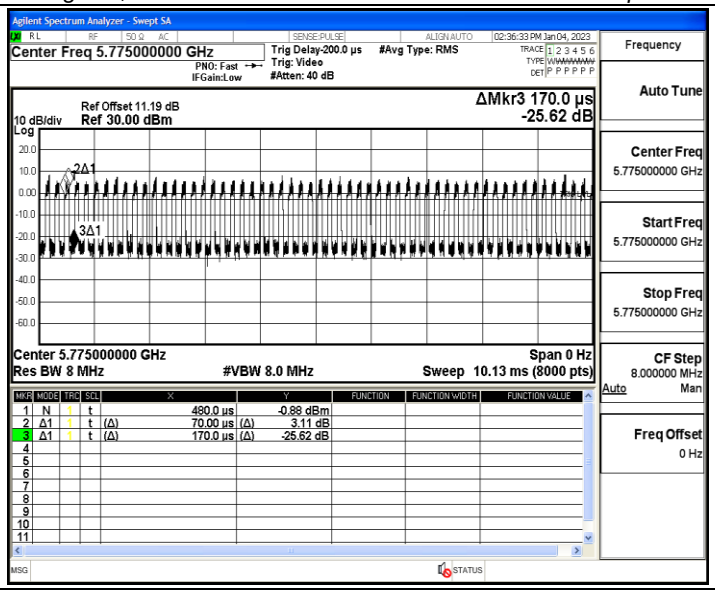
Agilent Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig Delay-200.0 µs
Trig: Video
#Avg Type: RMS
#Atten: 40 dB
02:36:33 PM Jan 04, 2023
Ref Offset 11.19 dB
10 dB/div Ref 30.00 dBm
ΔMkr3 170.0 µs
-25.62 dB
Center 5.775000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 10.13 ms (8000 pts)
1 N 1 t 480.0 µs -0.88 dBm
2 Δ1 1 t (Δ) 70.00 µs (Δ) 3.11 dB
3 Δ1 1 t (Δ) 170.0 µs (Δ) -25.62 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