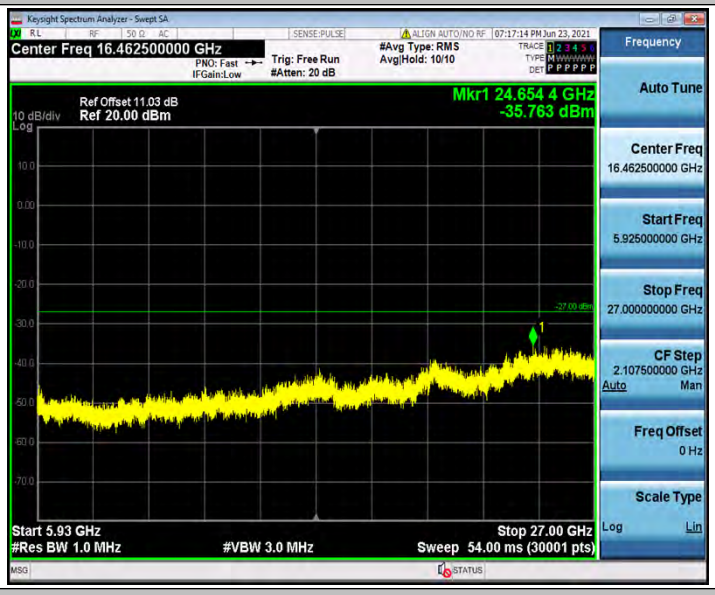
11AC20_Ant1_5825_5925~40000



11AC40_Ant1_5190_30~5140

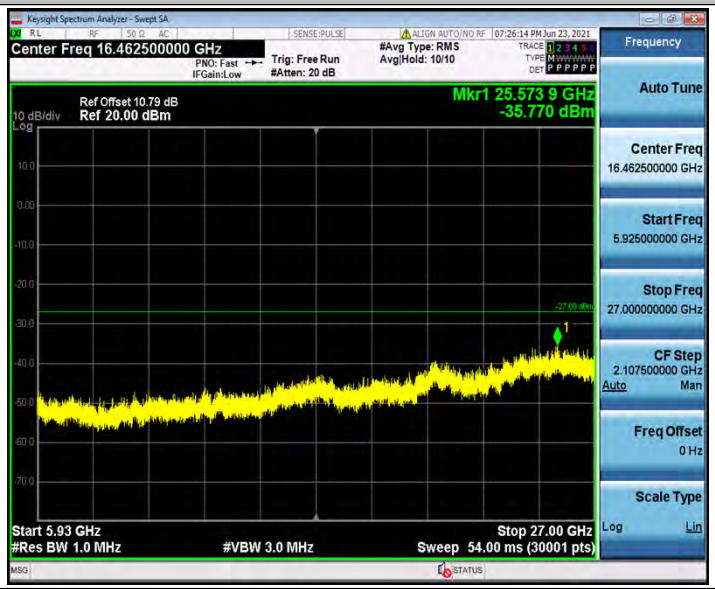
11AC40_Ant1_5190_5360~40000

11AC40_Ant1_5230_30~5140

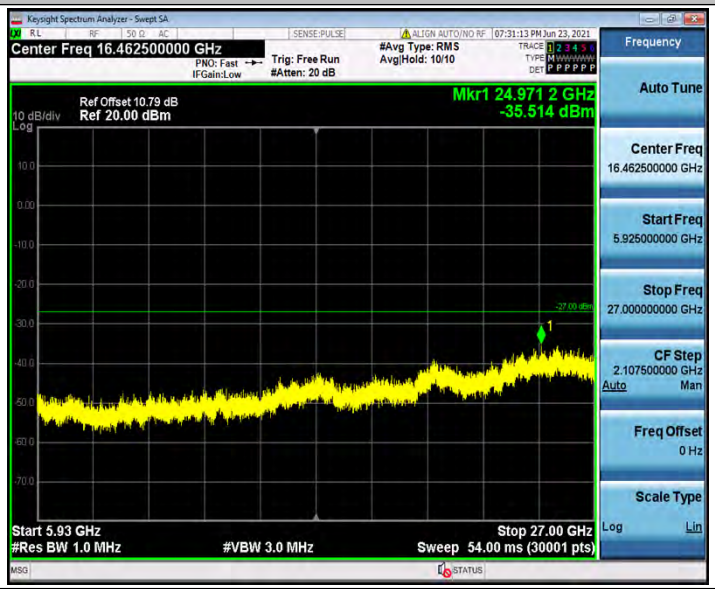
11AC40_Ant1_5230_5360~40000

11AC40_Ant1_5755_30~5650

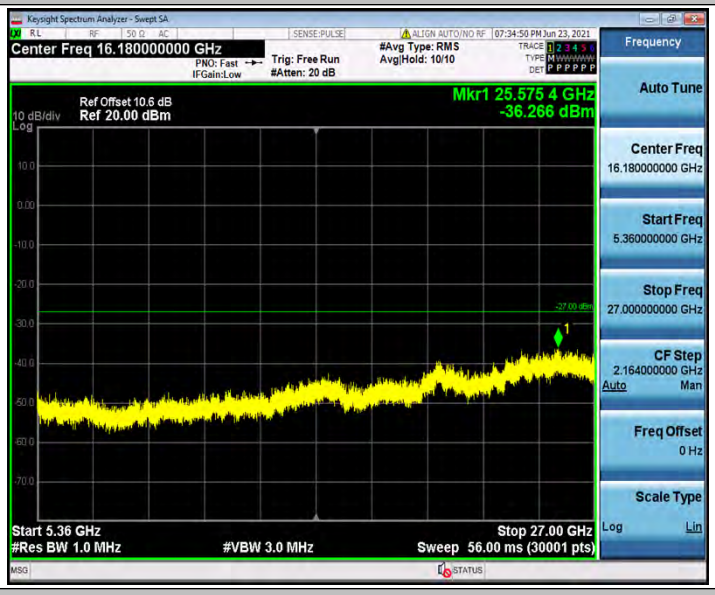
11AC40_Ant1_5755_5925~40000



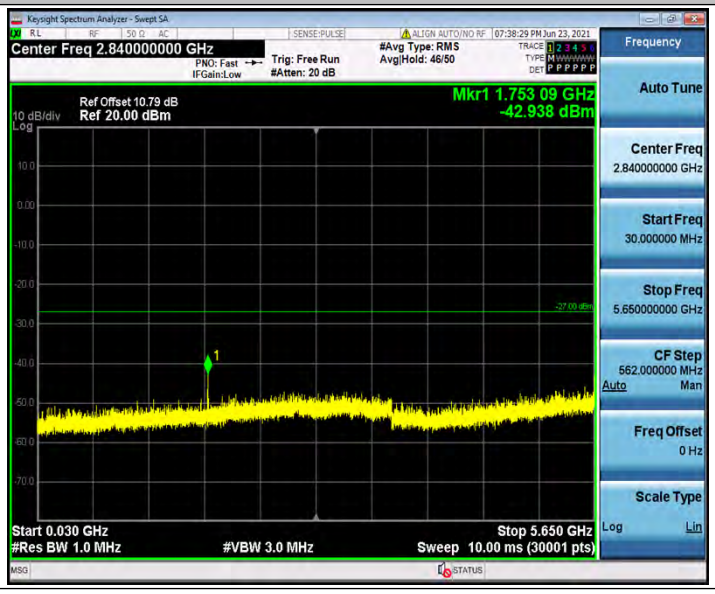
11AC40_Ant1_5795_30~5650

11AC40_Ant1_5795_5925~40000

11AC80_Ant1_5210_30~5140

11AC80_Ant1_5210_5360~40000



11AC80_Ant1_5775_30~5650



11AC80_Ant1_5775_5925~40000


11A_Ant2_5180_30~5140

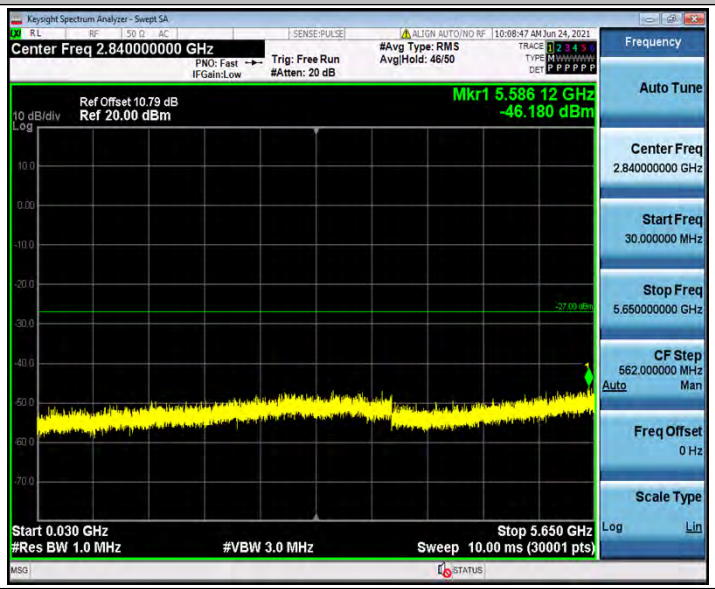
11A_Ant2_5180_5360~40000

11A_Ant2_5200_30~5140

11A_Ant2_5200_5360~40000

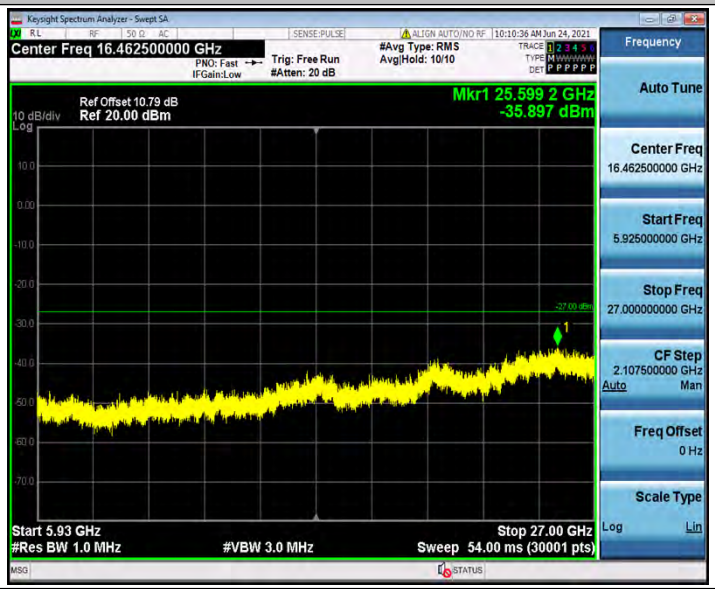
11A_Ant2_5240_30~5140

11A_Ant2_5240_5360~40000

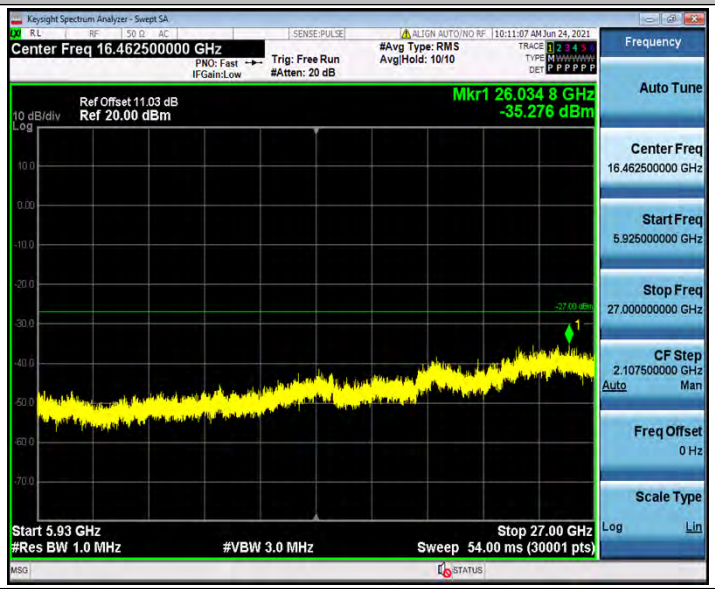
11A_Ant2_5745_30~5650

11A_Ant2_5745_5925~40000

11A_Ant2_5785_30~5650

11A_Ant2_5785_5925~40000

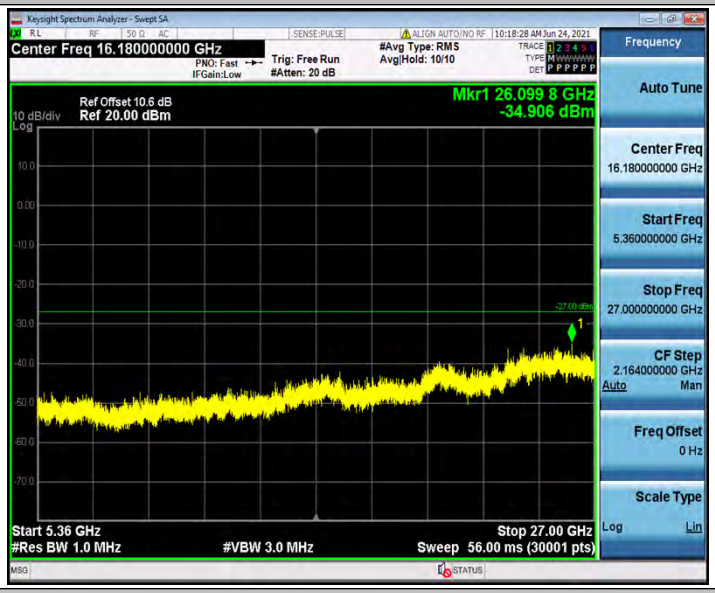
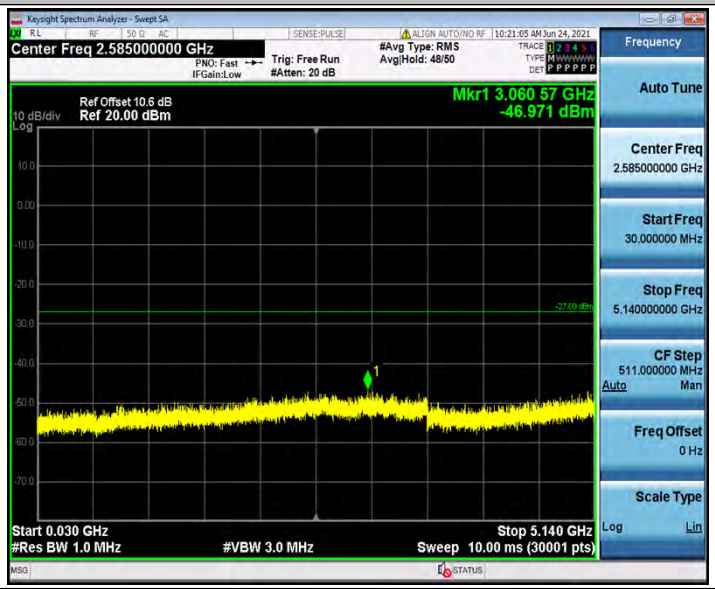


11A_Ant2_5825_30~5650

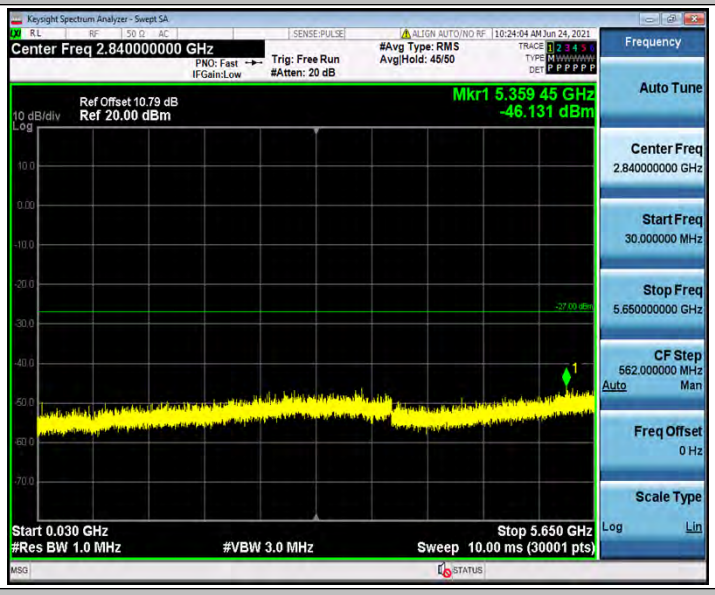
11A_Ant2_5825_5925~40000

11N20_Ant2_5180_30~5140

11N20_Ant2_5180_5360~40000

11N20_Ant2_5200_30~5140

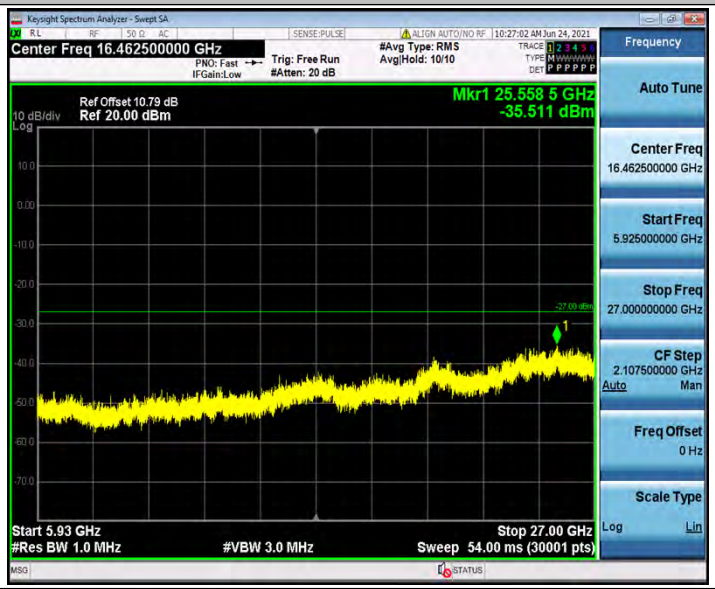
11N20_Ant2_5200_5360~40000

11N20_Ant2_5240_30~5140

11N20_Ant2_5240_5360~40000

11N20_Ant2_5745_30~5650

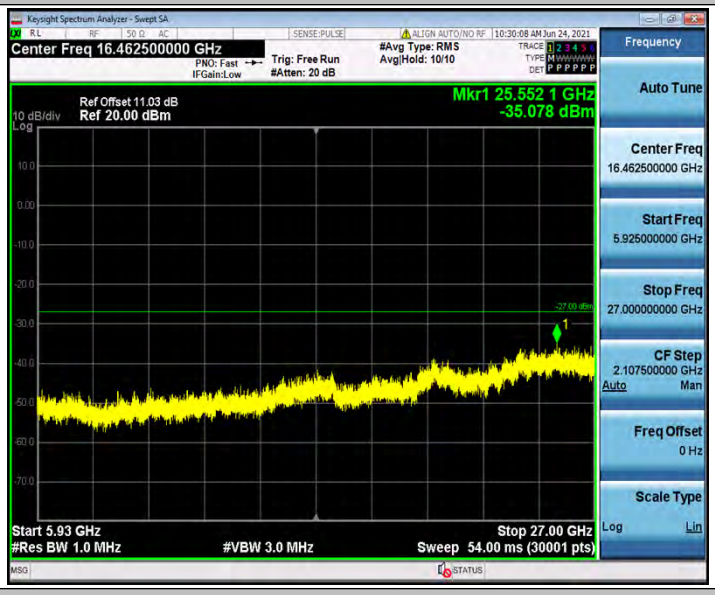


11N20_Ant2_5745_5925~40000

11N20_Ant2_5785_30~5650

11N20_Ant2_5785_5925~40000

11N20_Ant2_5825_30~5650

11N20_Ant2_5825_5925~40000



11N40_Ant2_5190_30~5140

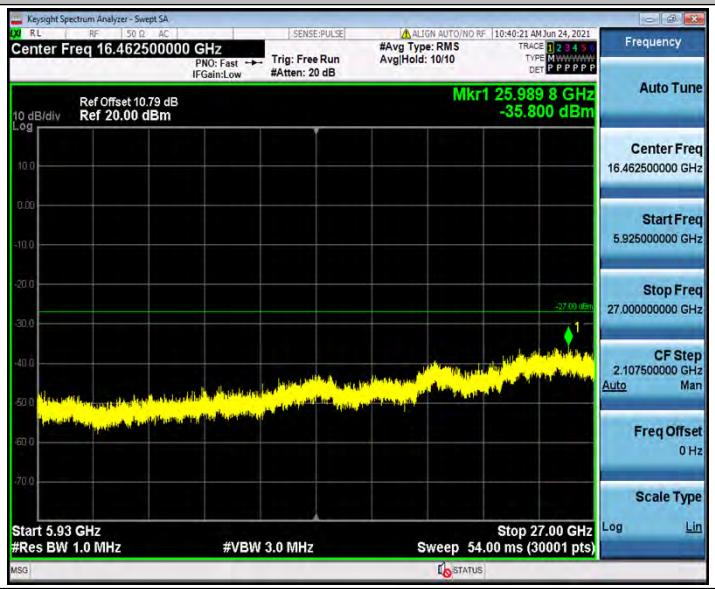
11N40_Ant2_5190_5360~40000

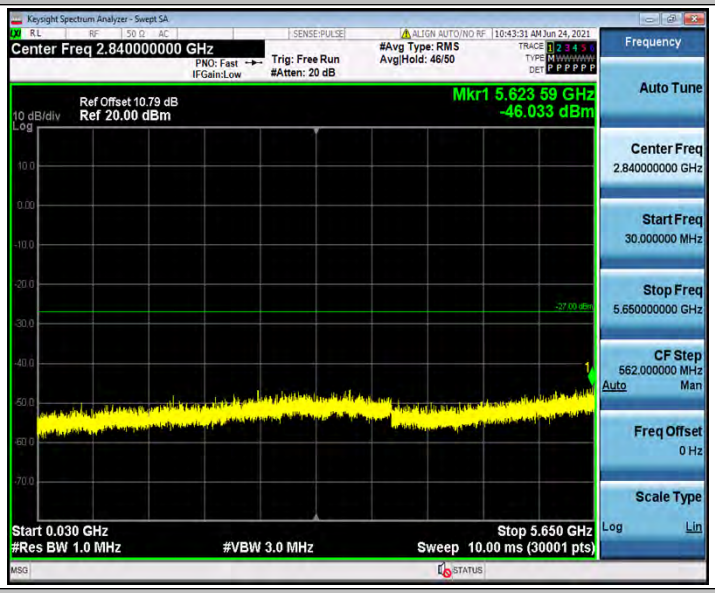
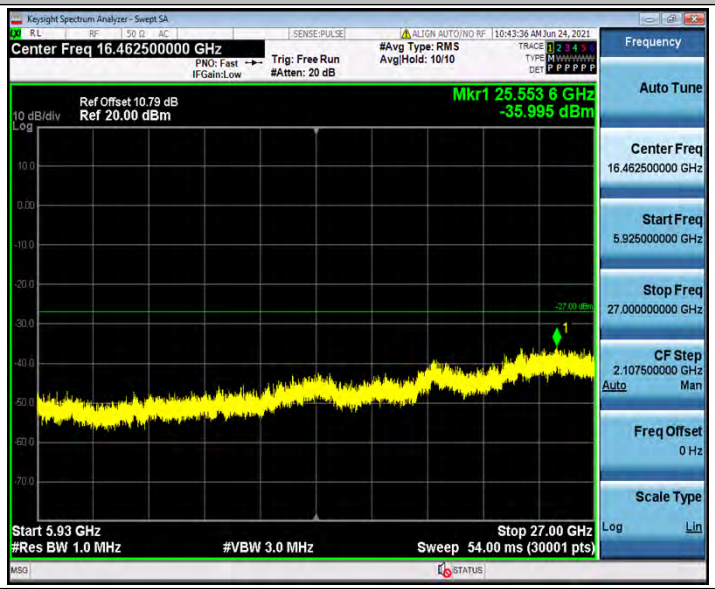
11N40_Ant2_5230_30~5140

11N40_Ant2_5230_5360~40000

11N40_Ant2_5755_30~5650

11N40_Ant2_5755_5925~40000



11N40_Ant2_5795_30~5650

11N40_Ant2_5795_5925~40000

11AC20_Ant2_5180_30~5140

11AC20_Ant2_5180_5360~40000

11AC20_Ant2_5200_30~5140

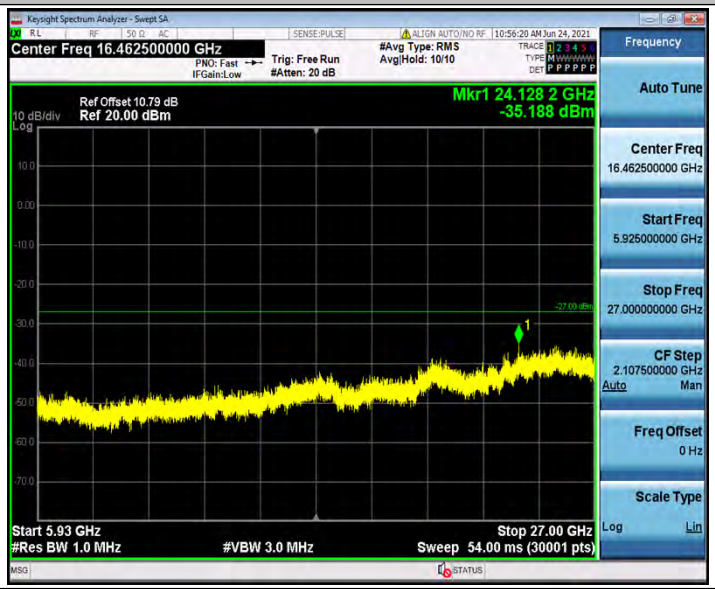
11AC20_Ant2_5200_5360~40000

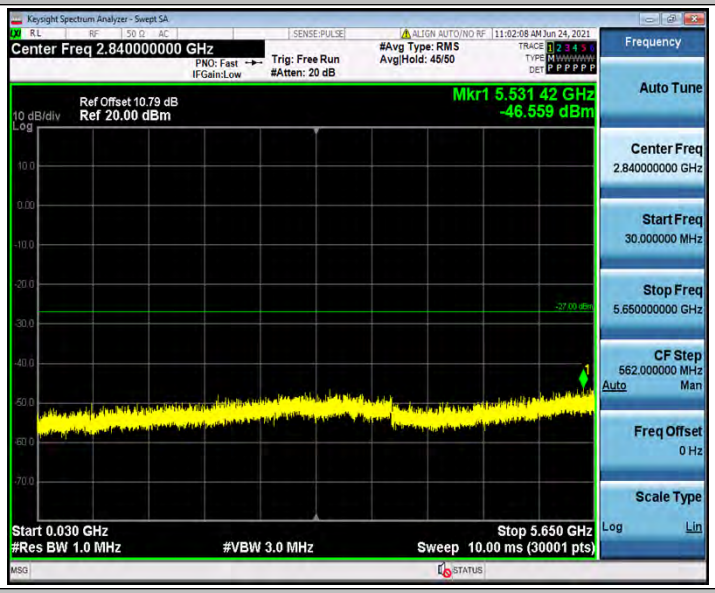
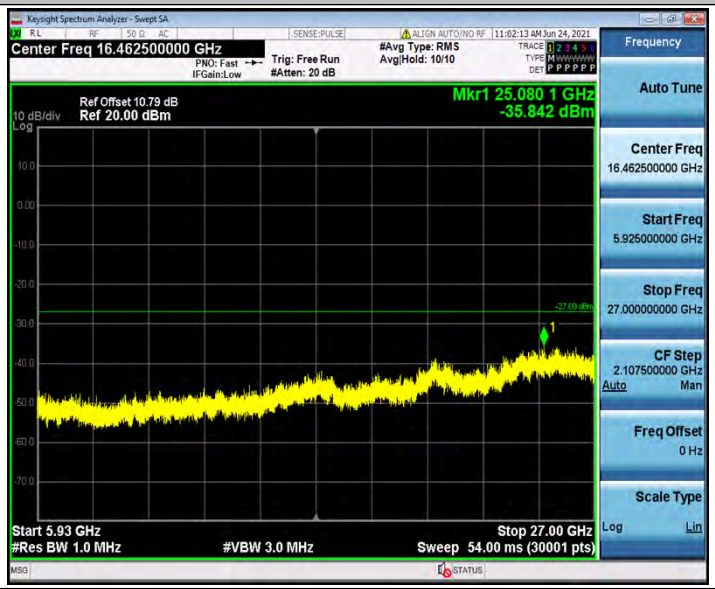
11AC20_Ant2_5240_30~5140

11AC20_Ant2_5240_5360~40000

11AC20_Ant2_5745_30~5650

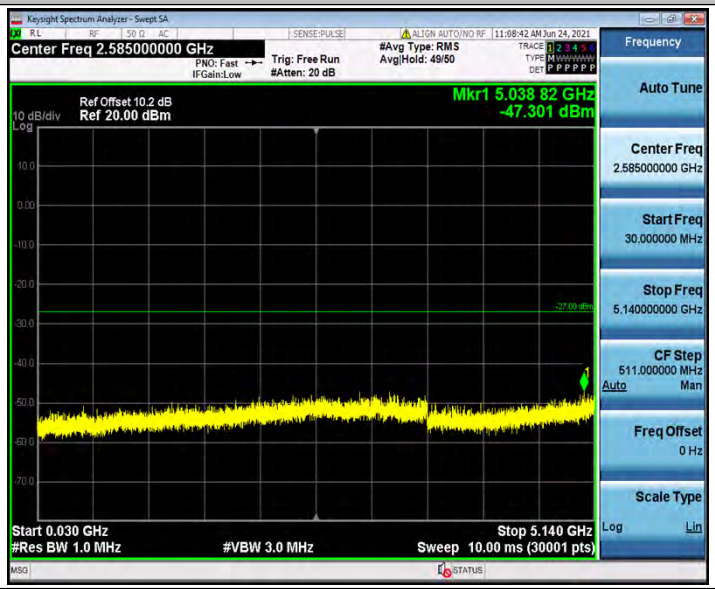
11AC20_Ant2_5745_5925~40000



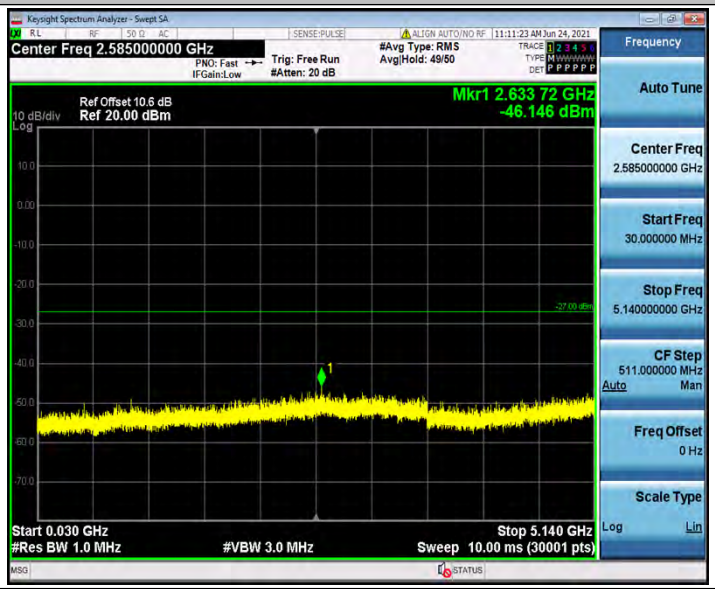
11AC20_Ant2_5785_30~5650

11AC20_Ant2_5785_5925~40000

11AC20_Ant2_5825_30~5650

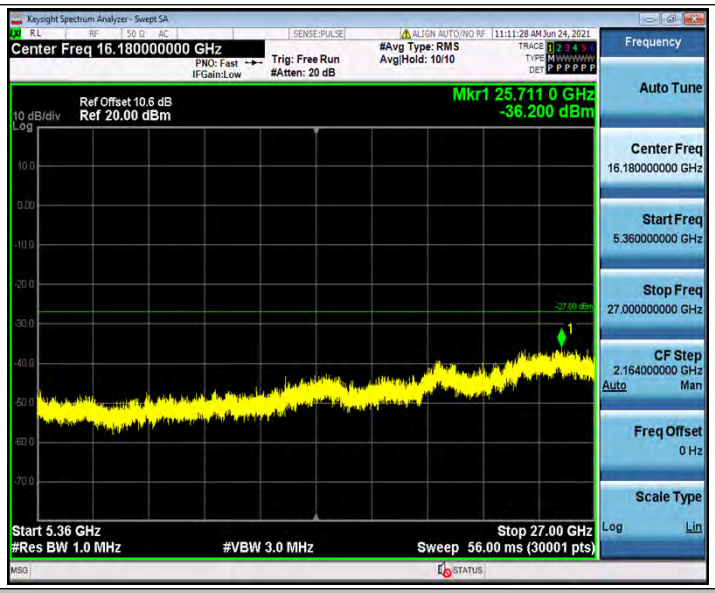
11AC20_Ant2_5825_5925~40000

11AC40_Ant2_5190_30~5140



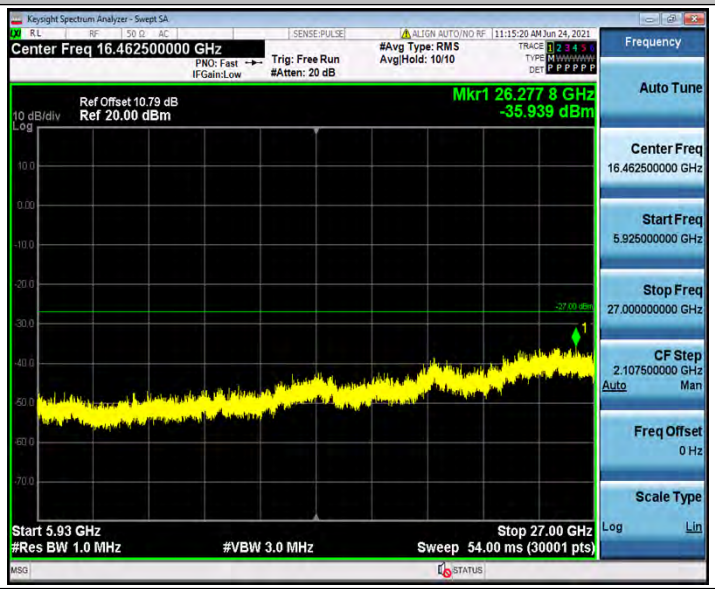
11AC40_Ant2_5190_5360~40000

11AC40_Ant2_5230_30~5140

11AC40_Ant2_5230_5360~40000

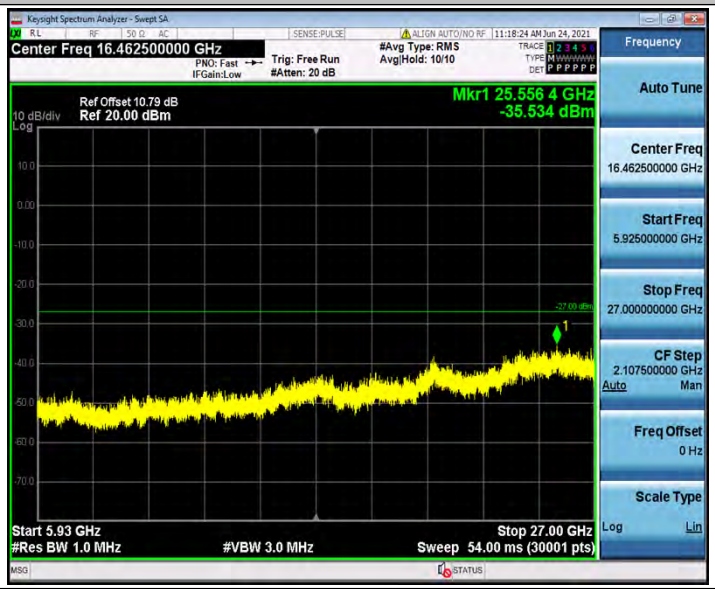


11AC40_Ant2_5755_30~5650

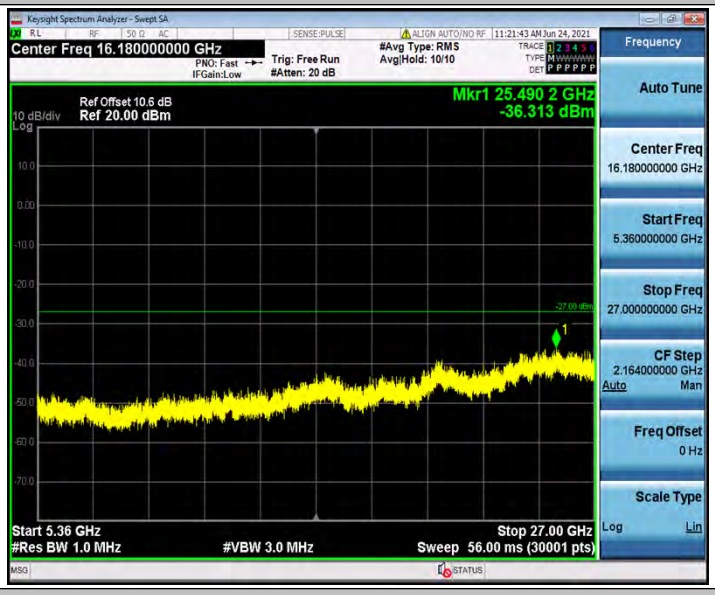
11AC40_Ant2_5755_5925~40000



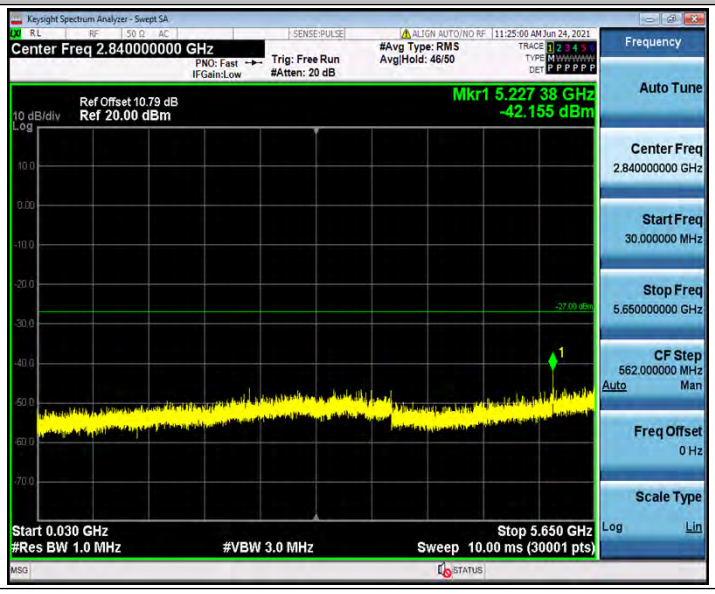
11AC40_Ant2_5795_30~5650

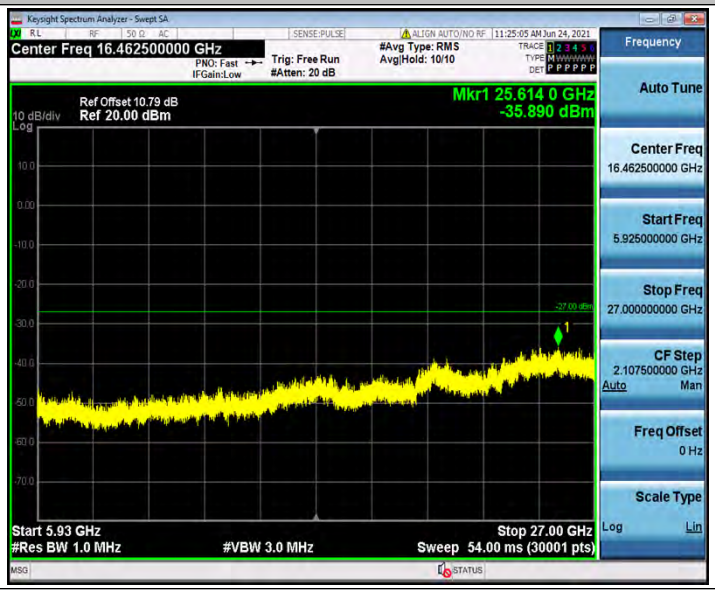
11AC40_Ant2_5795_5925~40000

11AC80_Ant2_5210_30~5140

11AC80_Ant2_5210_5360~40000



11AC80_Ant2_5775_30~5650



11AC80_Ant2_5775_5925~40000


Appendix G: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vac]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
802.11A	Ant1	5180	120	-30	55.25	0.011	Within the band of operation	Pass
			120	-20	84.06	0.016		Pass
			120	-10	77.08	0.015		Pass
			120	0	39.17	0.008		Pass
			120	10	84.21	0.016		Pass
			120	20	96.21	0.019		Pass
			120	30	89.26	0.017		Pass
			120	40	77.66	0.015		Pass
			120	50	43.33	0.008		Pass
			102	25	35.60	0.007		Pass
			138	25	37.77	0.007		Pass
802.11A	Ant1	5745	120	-30	94.12	0.016	Within the band of operation	Pass
			120	-20	95.69	0.017		Pass
			120	-10	46.11	0.008		Pass
			120	0	89.39	0.016		Pass
			120	10	58.45	0.010		Pass
			120	20	77.21	0.013		Pass
			120	30	51.63	0.009		Pass
			120	40	38.47	0.007		Pass
			120	50	97.52	0.017		Pass
			102	25	57.11	0.010		Pass
			138	25	61.28	0.011		Pass

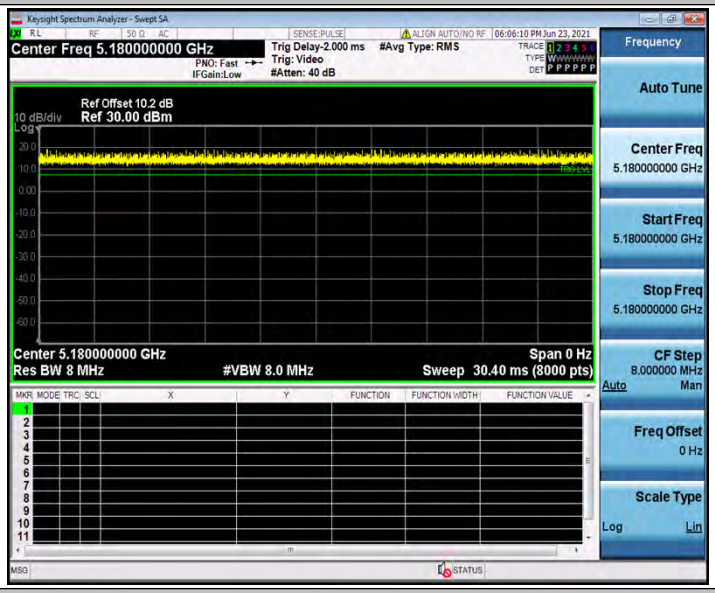
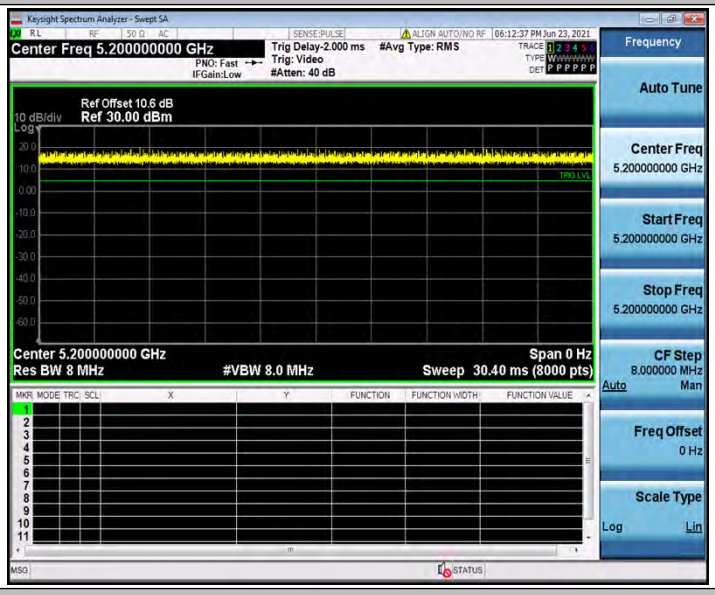
Appendix H: Duty Cycle

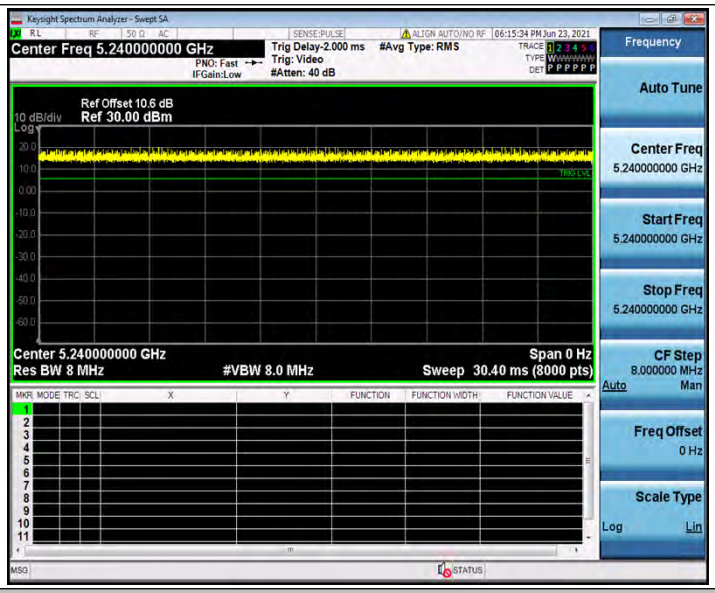
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	30.00	30.00	100.00	---	PASS
		5200	30.00	30.00	100.00	---	PASS
		5240	30.00	30.00	100.00	---	PASS
		5745	30.00	30.00	100.00	---	PASS
		5785	30.00	30.00	100.00	---	PASS
		5825	30.00	30.00	100.00	---	PASS
11N20	Ant1	5180	30.00	30.00	100.00	---	PASS
		5200	30.00	30.00	100.00	---	PASS
		5240	30.00	30.00	100.00	---	PASS
		5745	30.00	30.00	100.00	---	PASS
		5785	30.00	30.00	100.00	---	PASS
		5825	30.00	30.00	100.00	---	PASS
11N40	Ant1	5190	30.00	30.00	100.00	---	PASS
		5230	30.00	30.00	100.00	---	PASS
		5755	30.00	30.00	100.00	---	PASS
		5795	30.00	30.00	100.00	---	PASS
11AC20	Ant1	5180	30.00	30.00	100.00	---	PASS
		5200	30.00	30.00	100.00	---	PASS
		5240	30.00	30.00	100.00	---	PASS
		5745	30.00	30.00	100.00	---	PASS
		5785	30.00	30.00	100.00	---	PASS
		5825	30.00	30.00	100.00	---	PASS
11AC40	Ant1	5190	30.00	30.00	100.00	---	PASS
		5230	30.00	30.00	100.00	---	PASS
		5755	30.00	30.00	100.00	---	PASS
		5795	30.00	30.00	100.00	---	PASS
11AC80	Ant1	5210	30.00	30.00	100.00	---	PASS
		5775	30.00	30.00	100.00	---	PASS

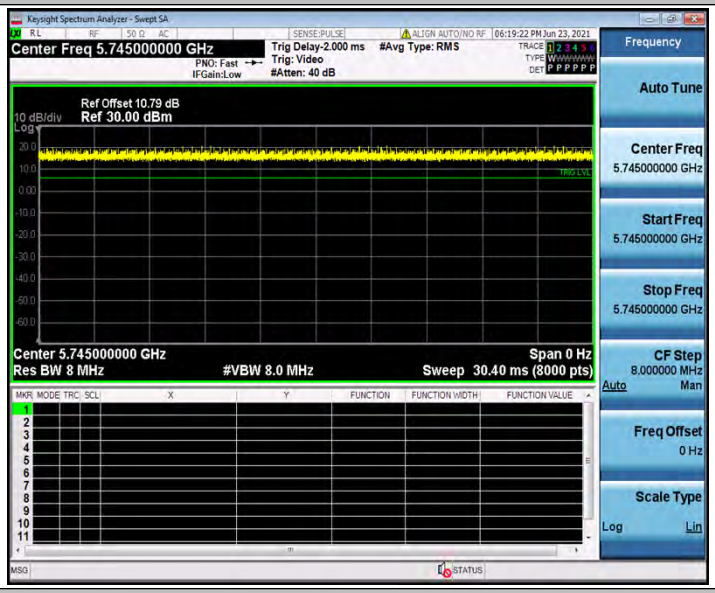
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant2	5180	30.00	30.00	100.00	---	PASS
		5200	30.00	30.00	100.00	---	PASS
		5240	30.00	30.00	100.00	---	PASS
		5745	30.00	30.00	100.00	---	PASS
		5785	30.00	30.00	100.00	---	PASS
		5825	30.00	30.00	100.00	---	PASS
11N20	Ant2	5180	30.00	30.00	100.00	---	PASS
		5200	30.00	30.00	100.00	---	PASS
		5240	30.00	30.00	100.00	---	PASS
		5745	30.00	30.00	100.00	---	PASS
		5785	30.00	30.00	100.00	---	PASS
		5825	30.00	30.00	100.00	---	PASS
11N40	Ant2	5190	30.00	30.00	100.00	---	PASS
		5230	30.00	30.00	100.00	---	PASS
		5755	30.00	30.00	100.00	---	PASS
		5795	30.00	30.00	100.00	---	PASS
11AC20	Ant2	5180	30.00	30.00	100.00	---	PASS
		5200	30.00	30.00	100.00	---	PASS
		5240	30.00	30.00	100.00	---	PASS
		5745	30.00	30.00	100.00	---	PASS
		5785	30.00	30.00	100.00	---	PASS
		5825	30.00	30.00	100.00	---	PASS
11AC40	Ant2	5190	30.00	30.00	100.00	---	PASS
		5230	30.00	30.00	100.00	---	PASS
		5755	30.00	30.00	100.00	---	PASS
		5795	30.00	30.00	100.00	---	PASS
11AC80	Ant2	5210	30.00	30.00	100.00	---	PASS
		5775	30.00	30.00	100.00	---	PASS

Test Graphs

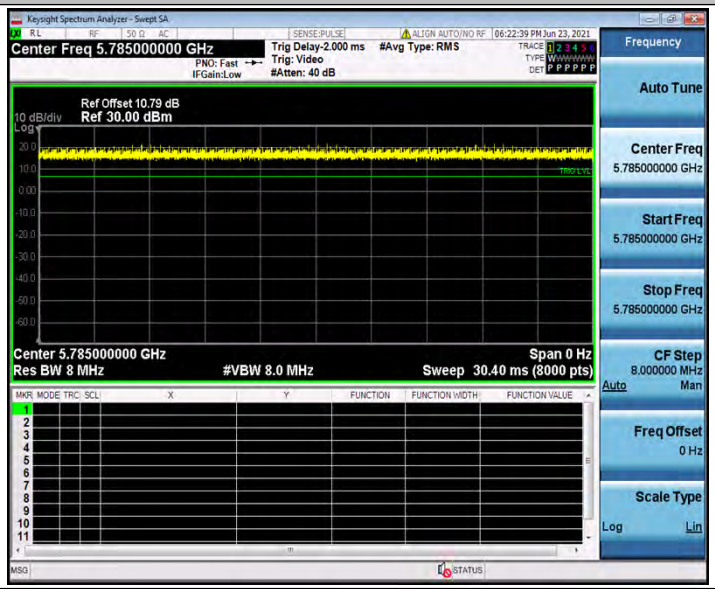
11A_Ant1_5180

11A_Ant1_5200

11A_Ant1_5240

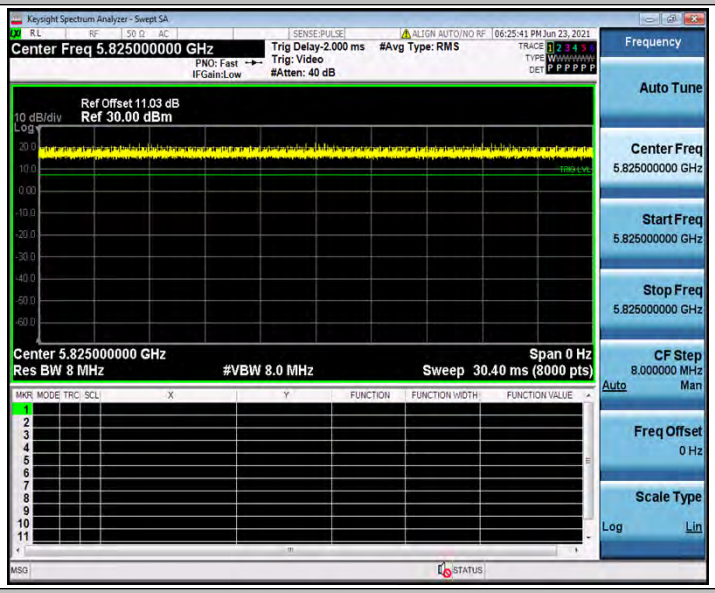
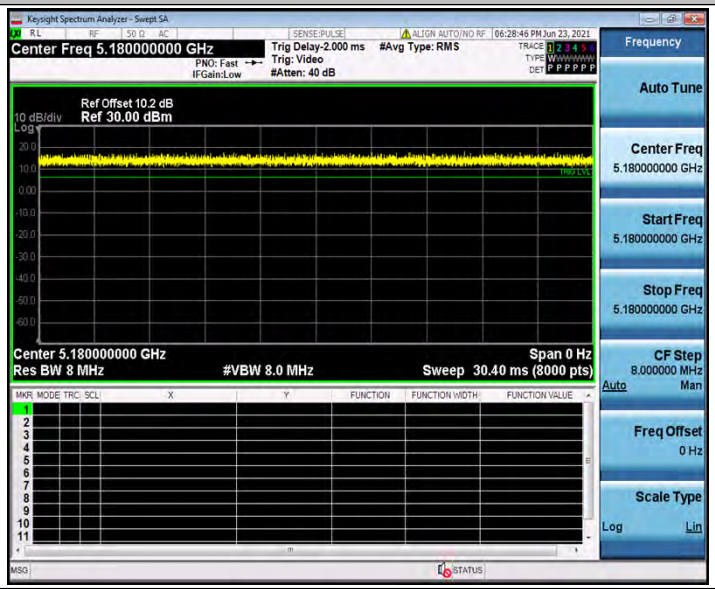


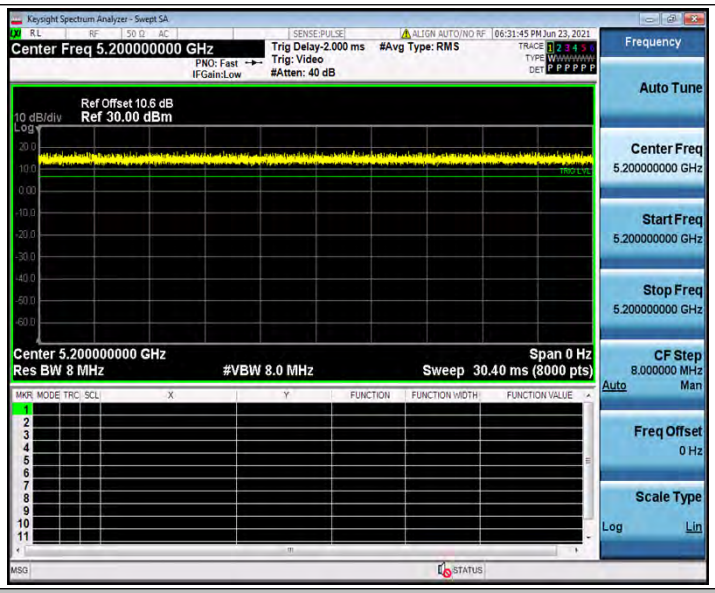
11A_Ant1_5745



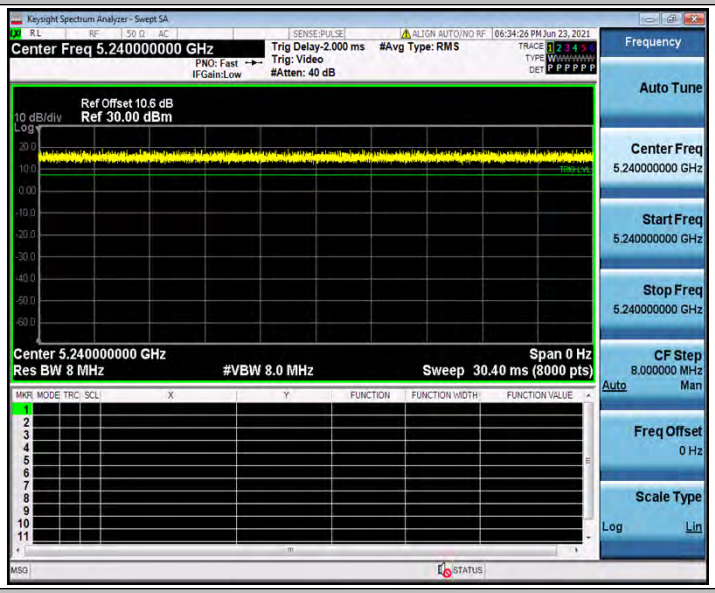
11A_Ant1_5785



11A_Ant1_5825

11N20_Ant1_5180

11N20_Ant1_5200



11N20_Ant1_5240



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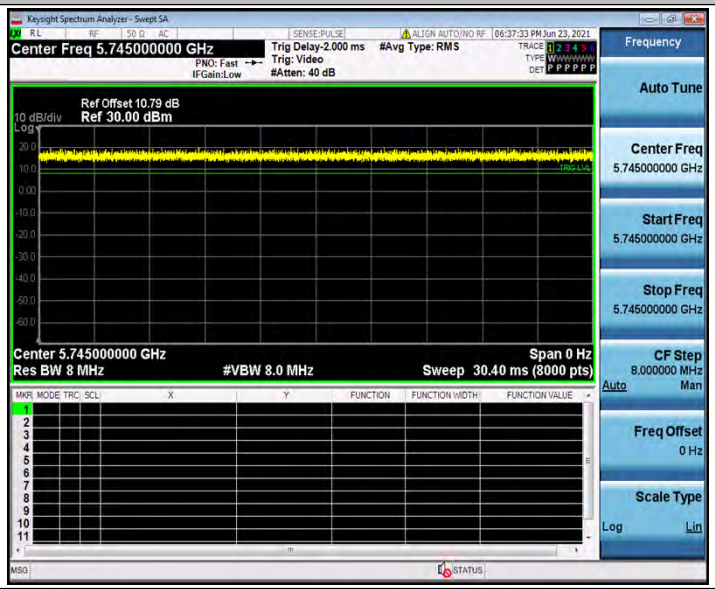

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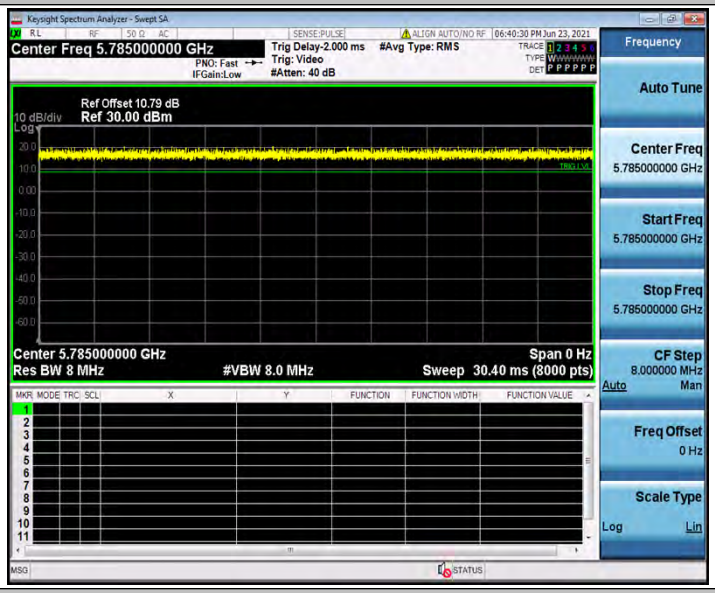
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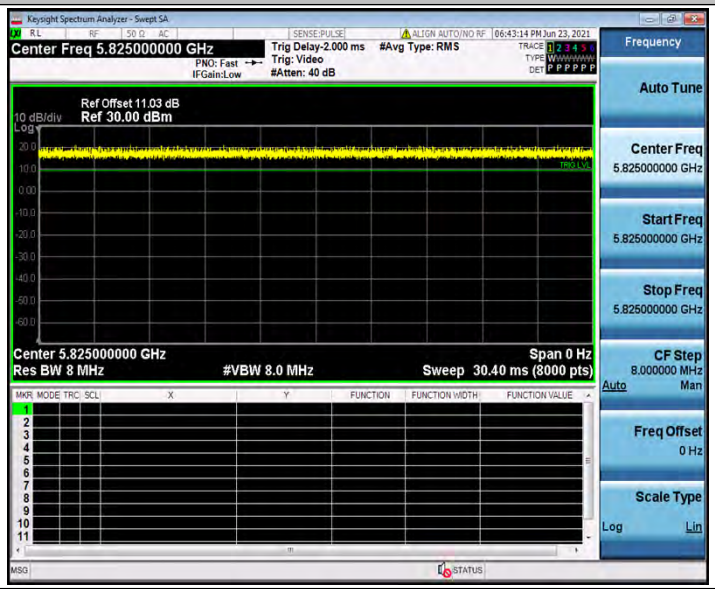
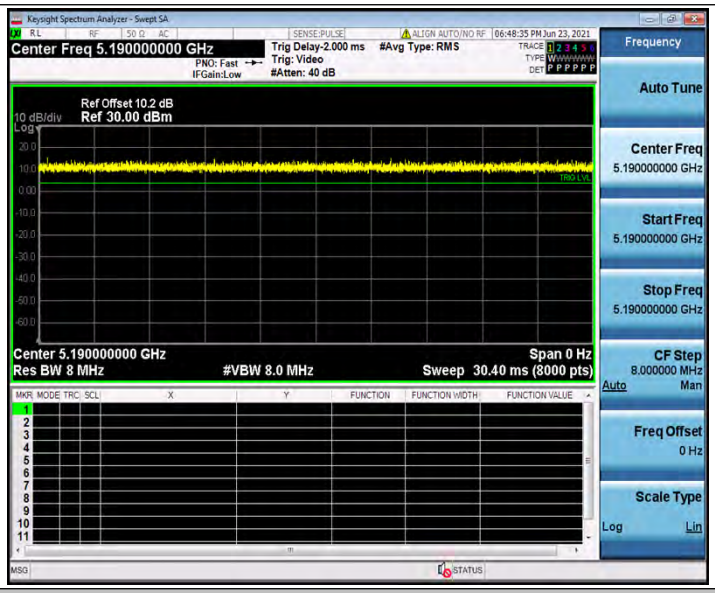

11N40_Ant1_5190



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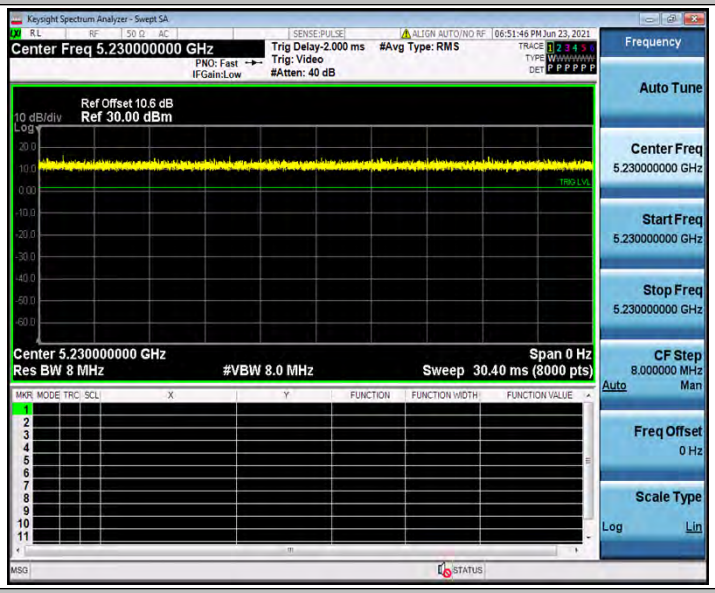

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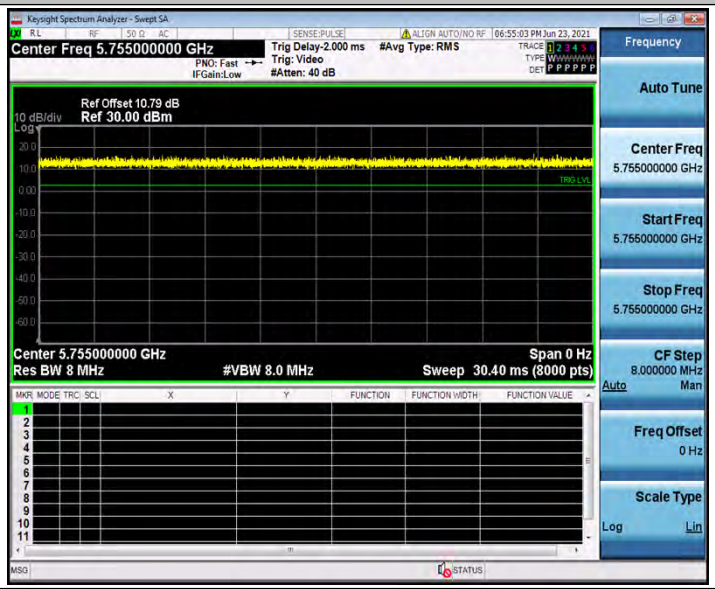

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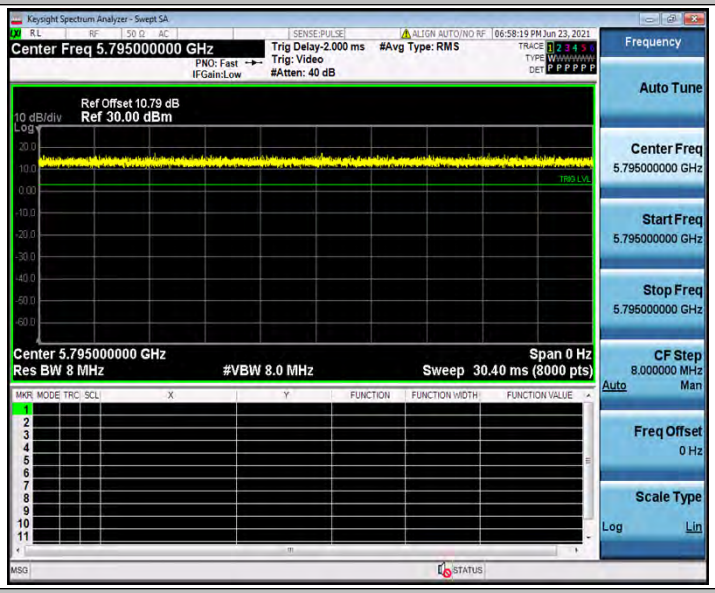
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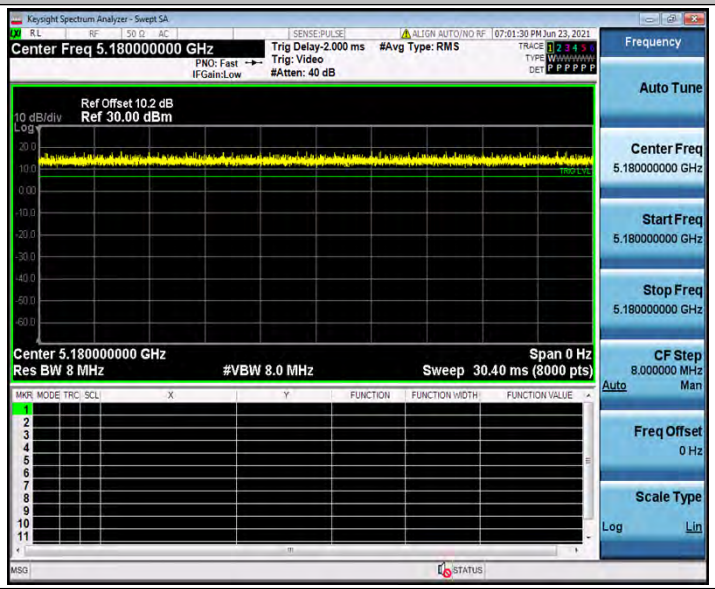
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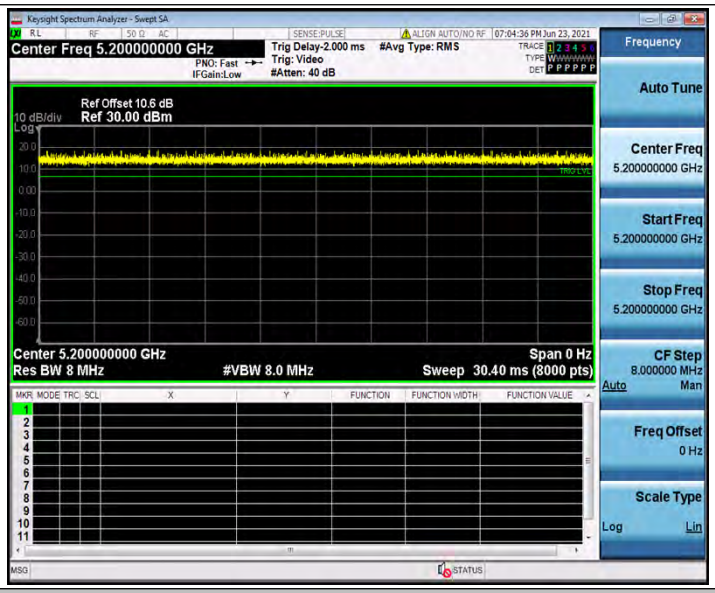

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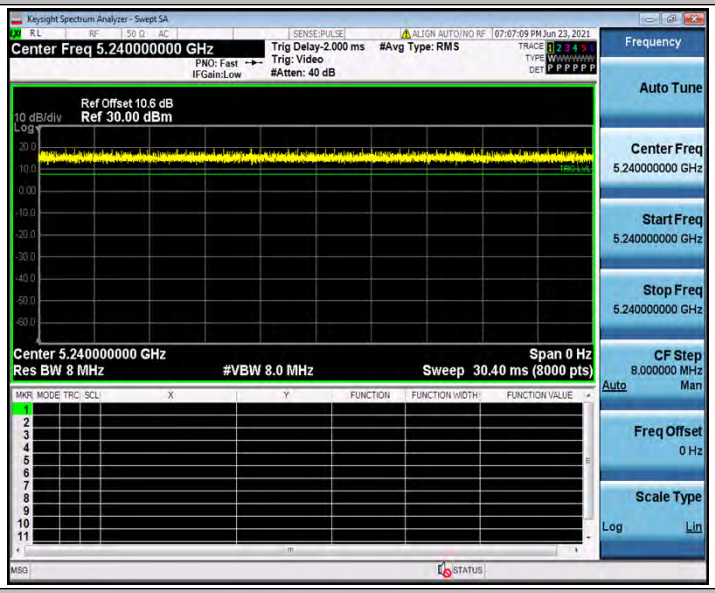

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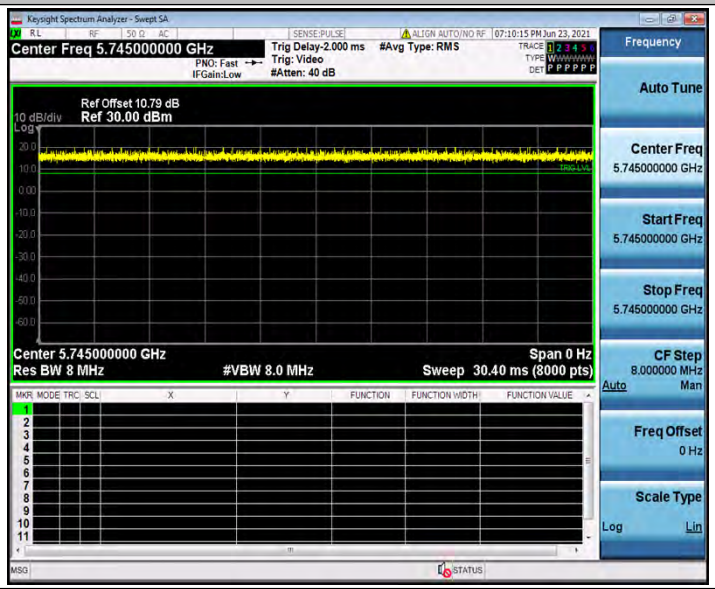

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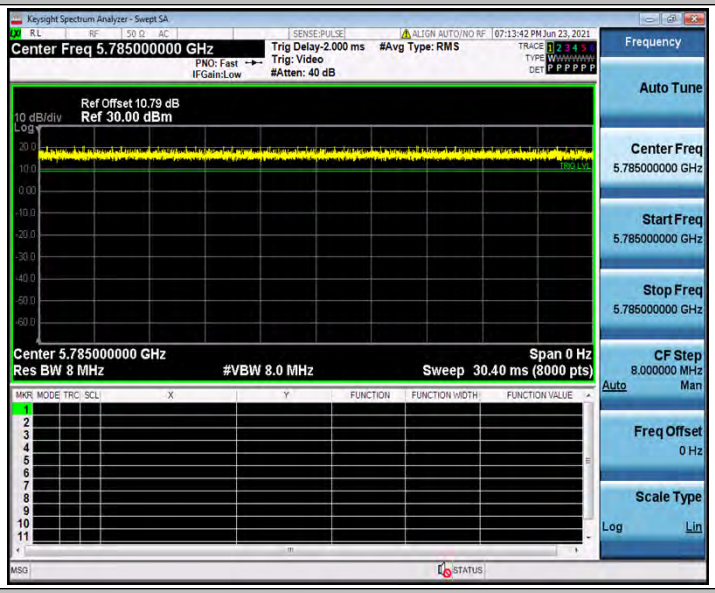
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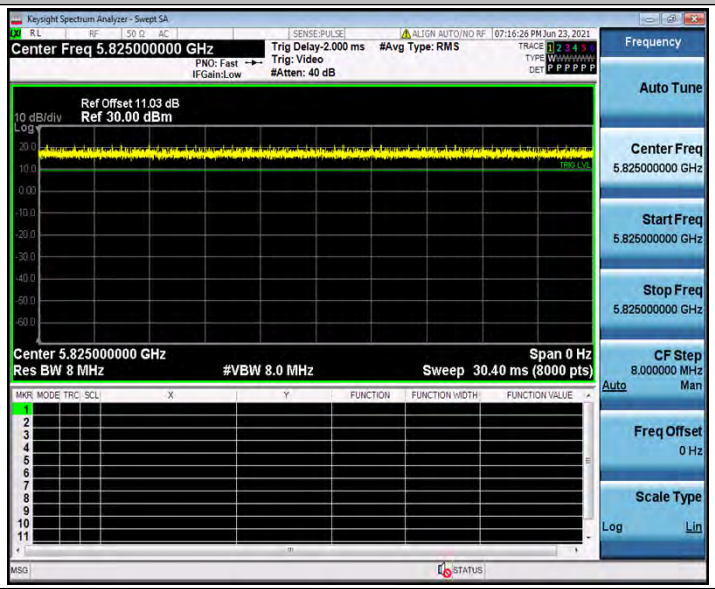
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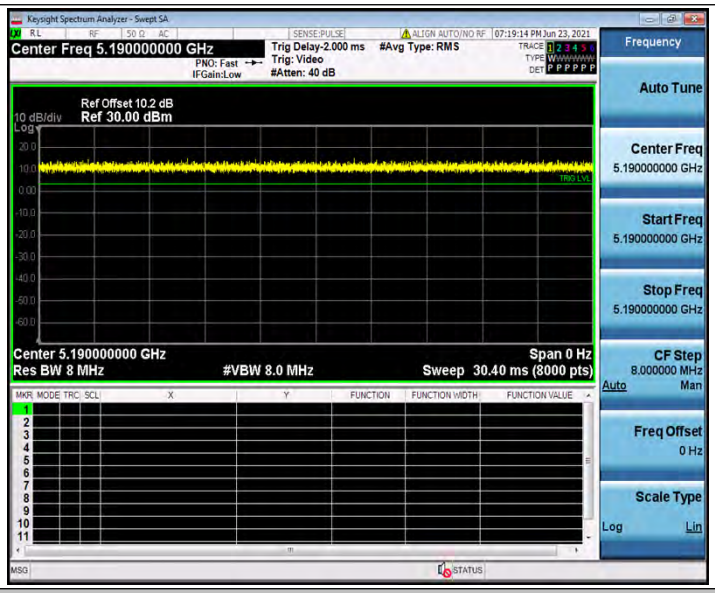

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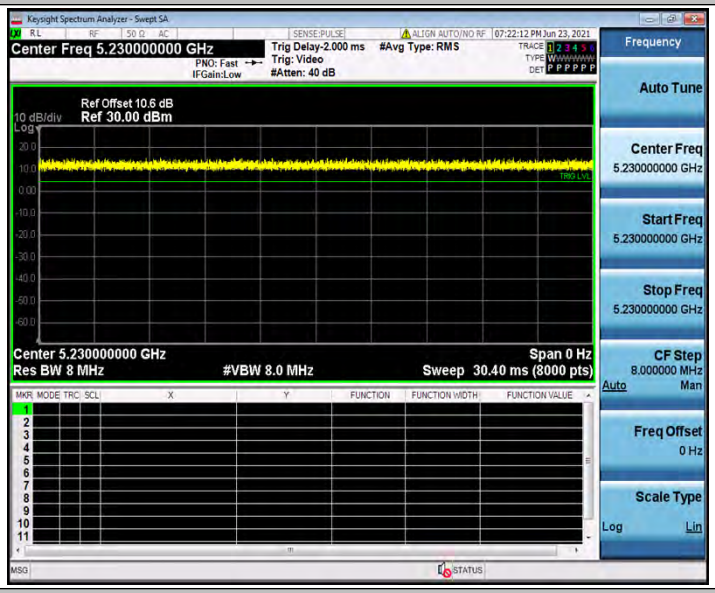

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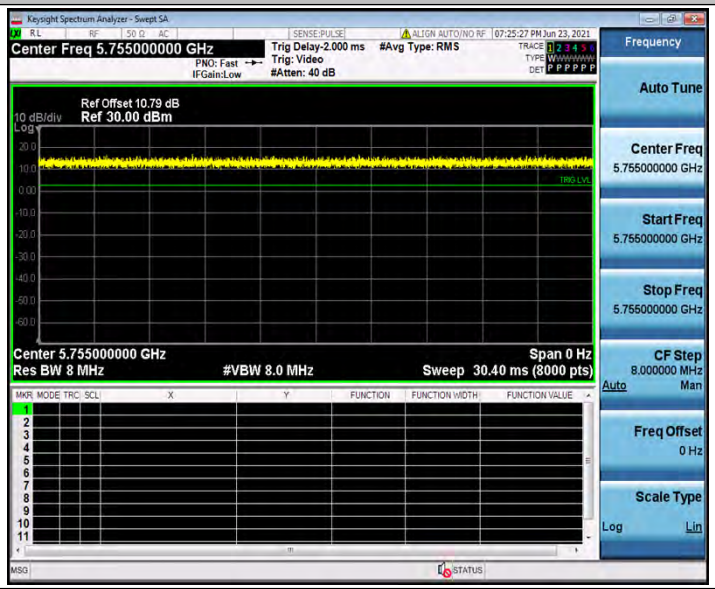

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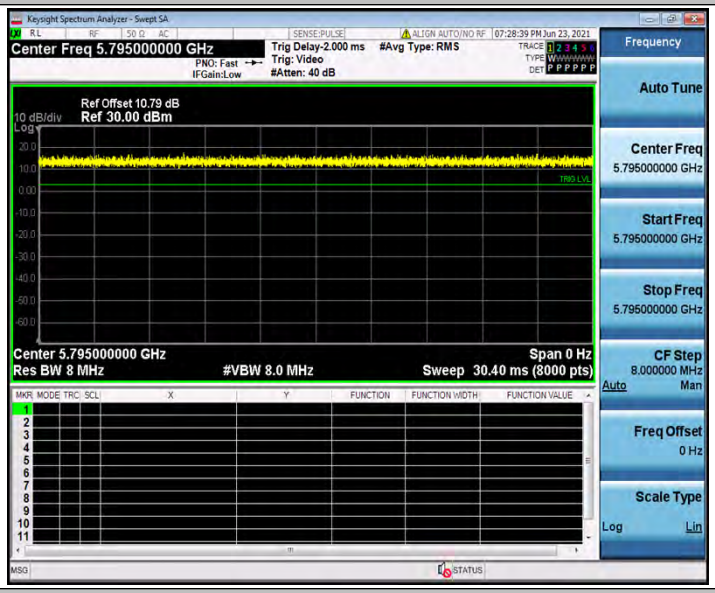
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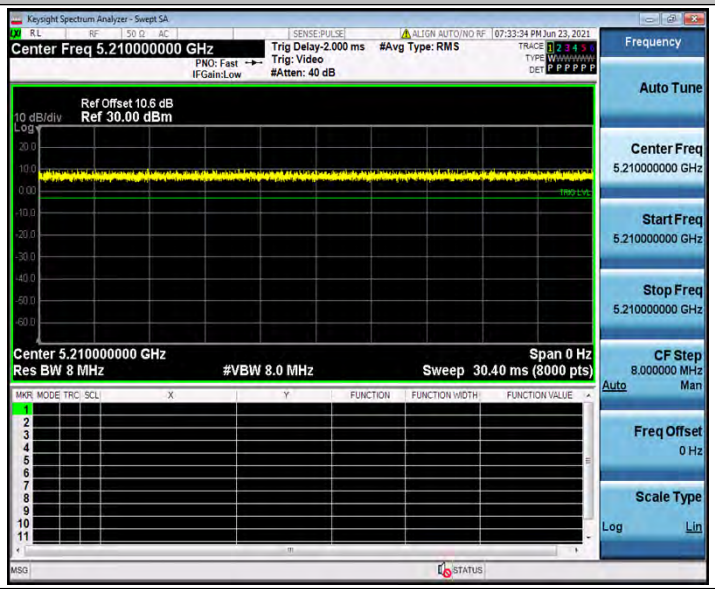
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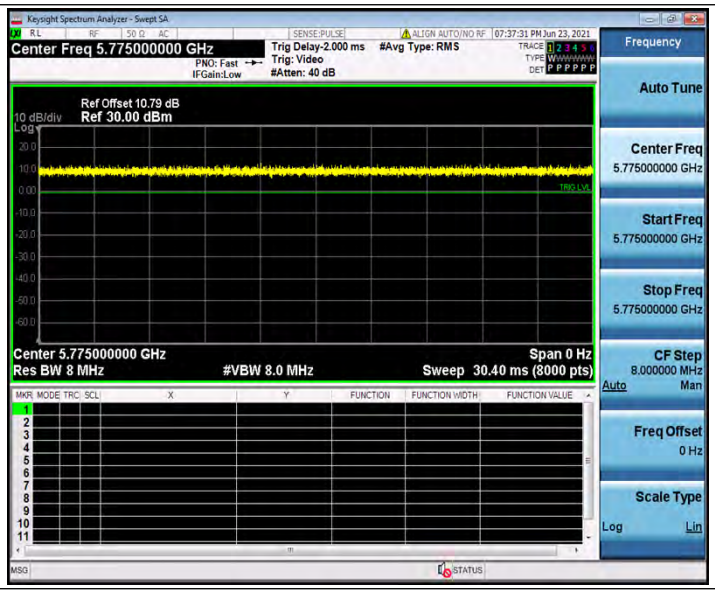
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PNO: Fast
IFGain:Low
Trig Delay-2.000 ms
Trig: Video
#Avg Type: RMS
#Atten: 40 dB
07:37:31 PM Jun 23, 2021
Ref Offset 10.79 dB
10 dB/div
Ref 30.00 dBm
Center 5.775000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 30.40 ms (8000 pts)
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.775000000 GHz
Stop Freq
5.775000000 GHz
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Log
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FUNCTION WIDTH
FUNCTION VALUE
STATUS

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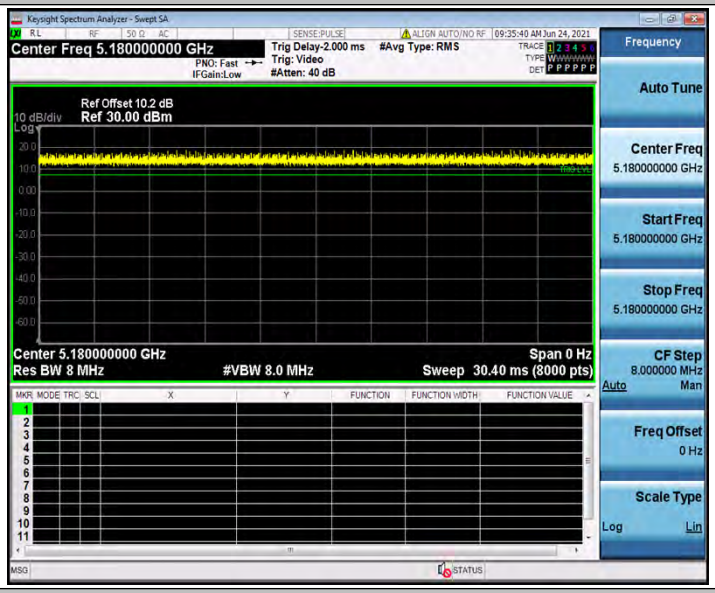
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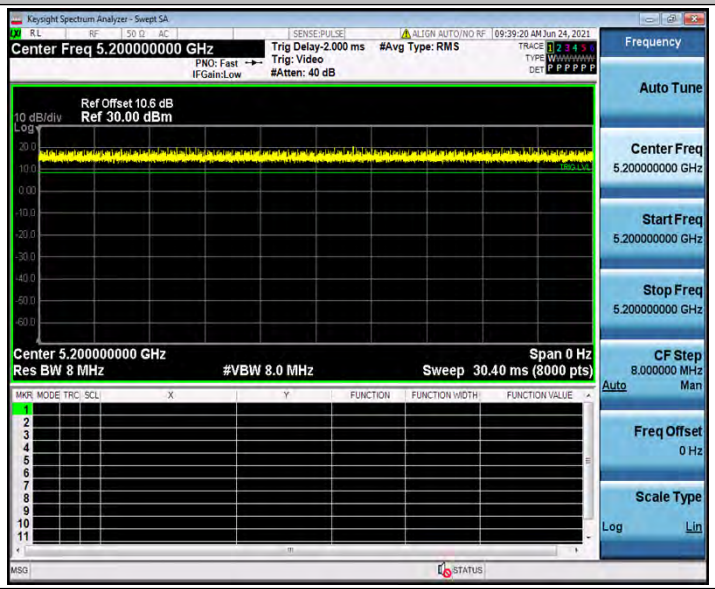
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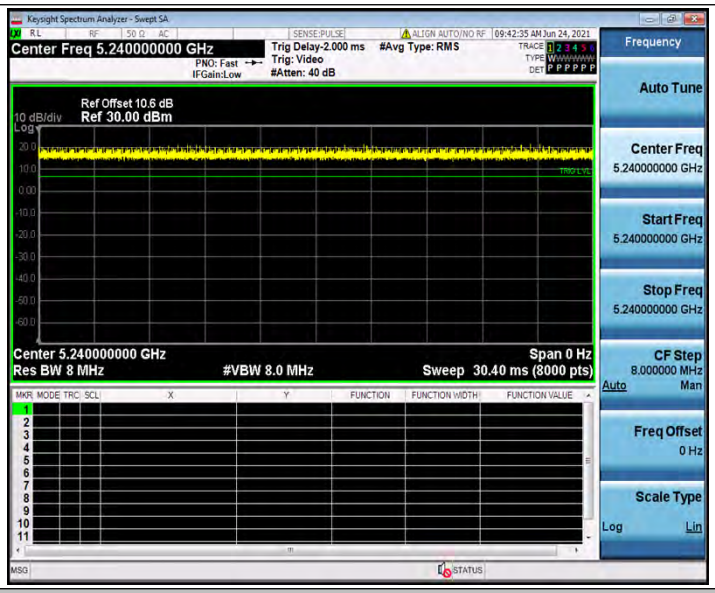

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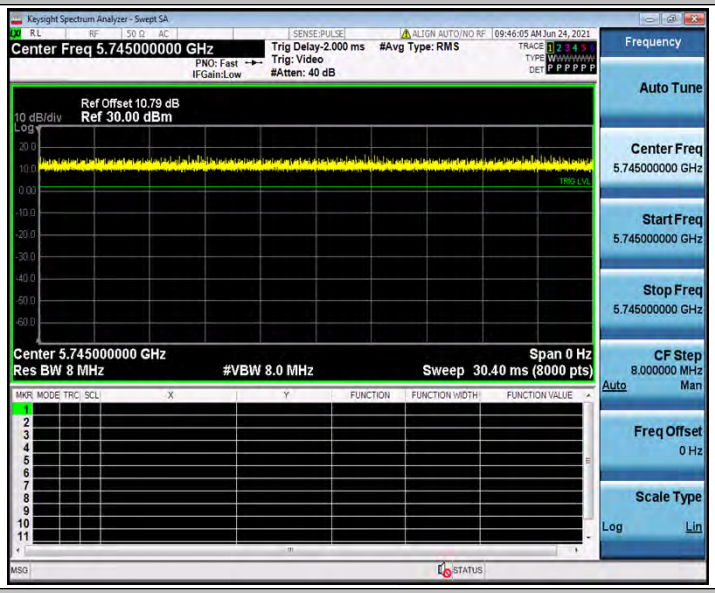

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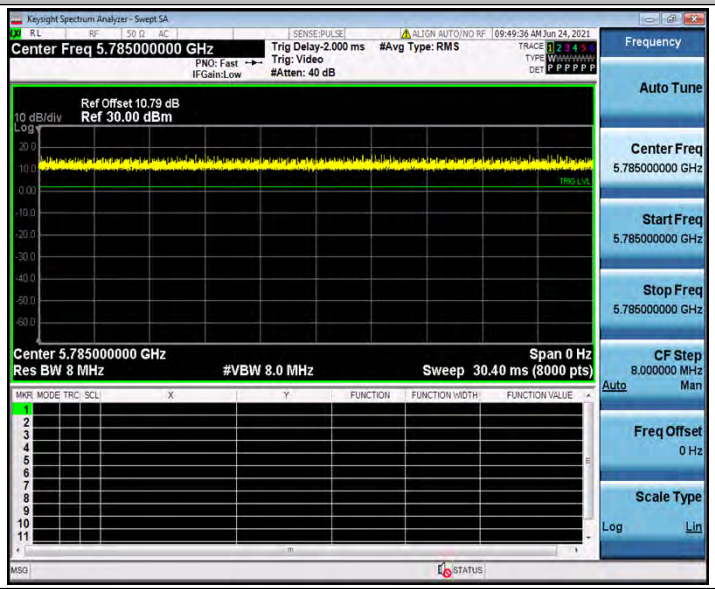

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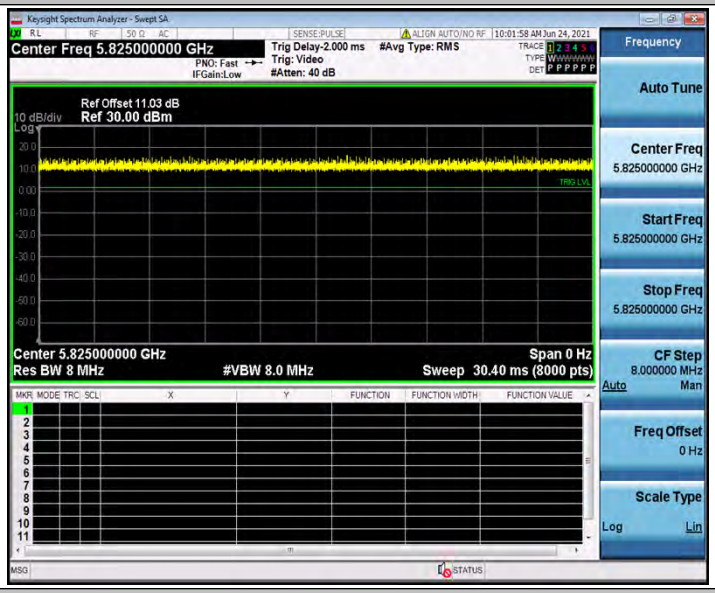
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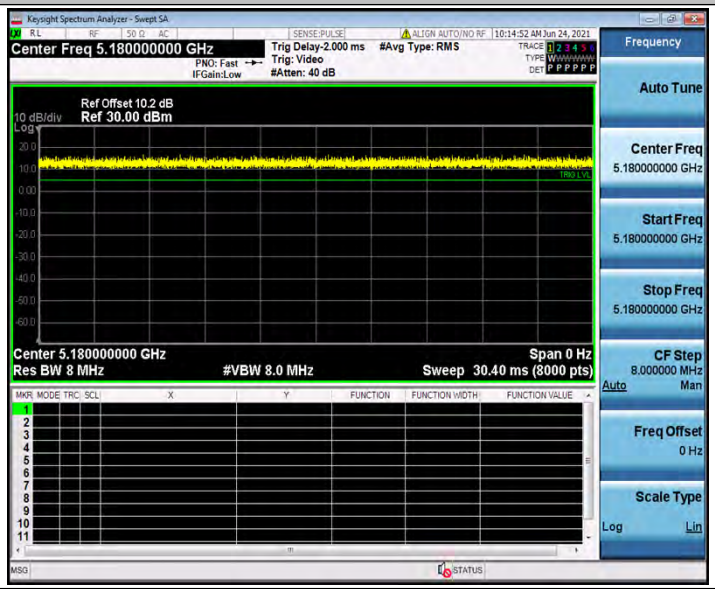
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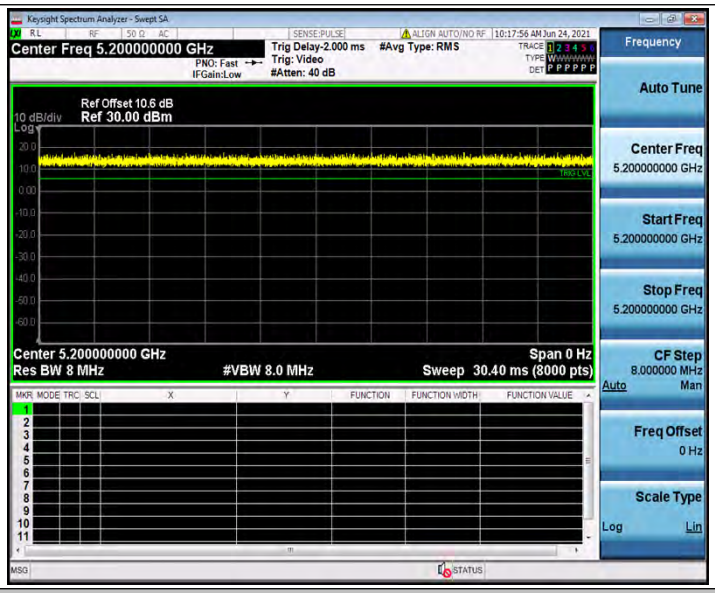

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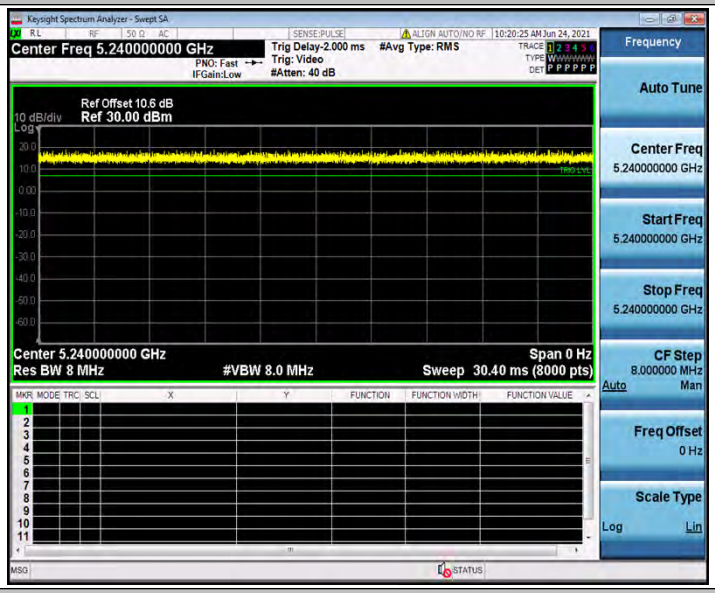

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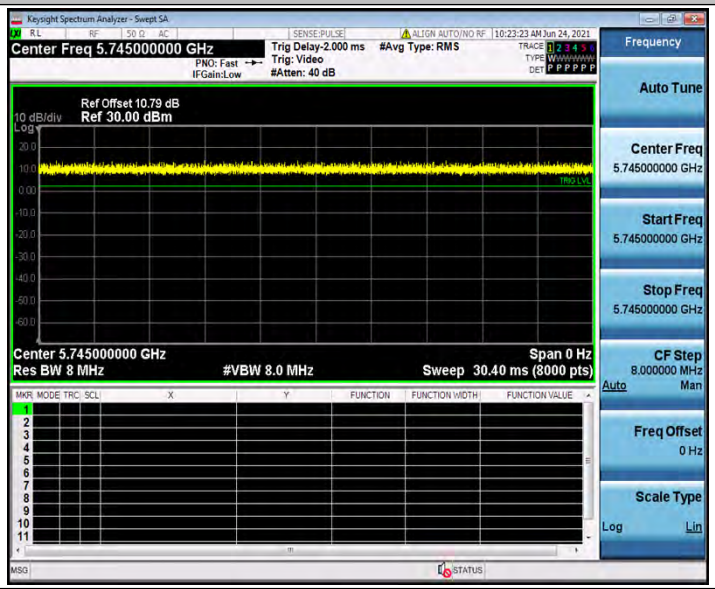

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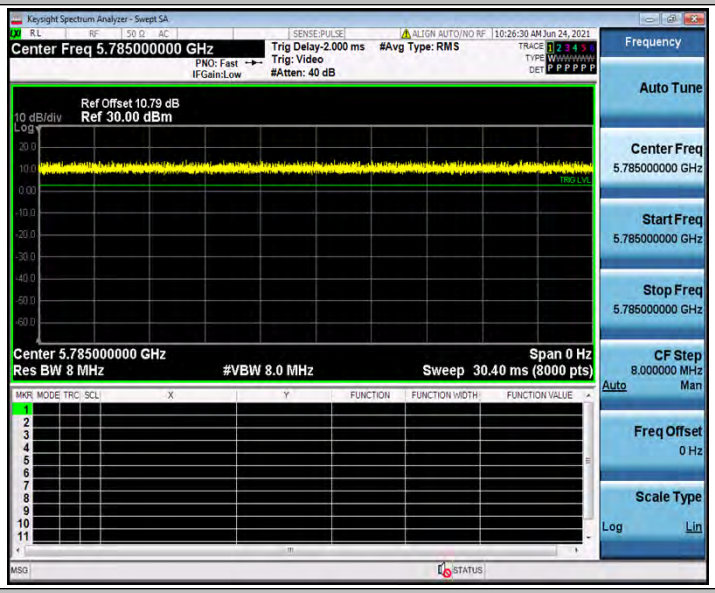
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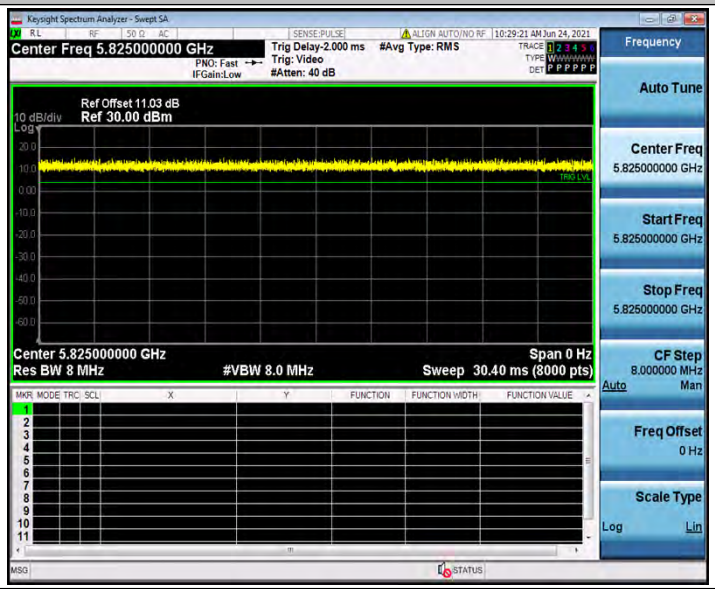
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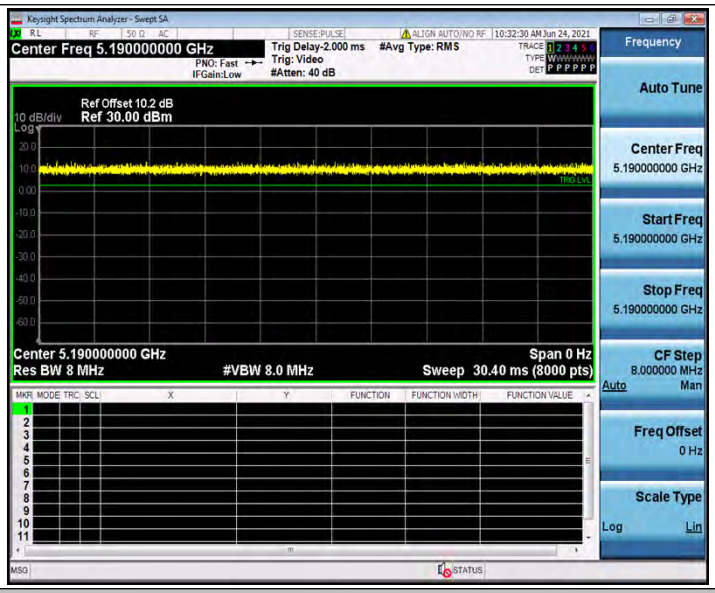

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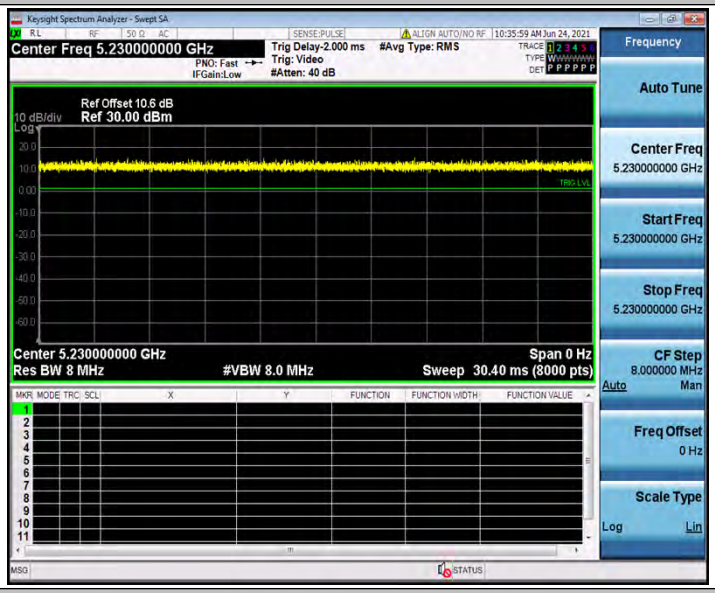

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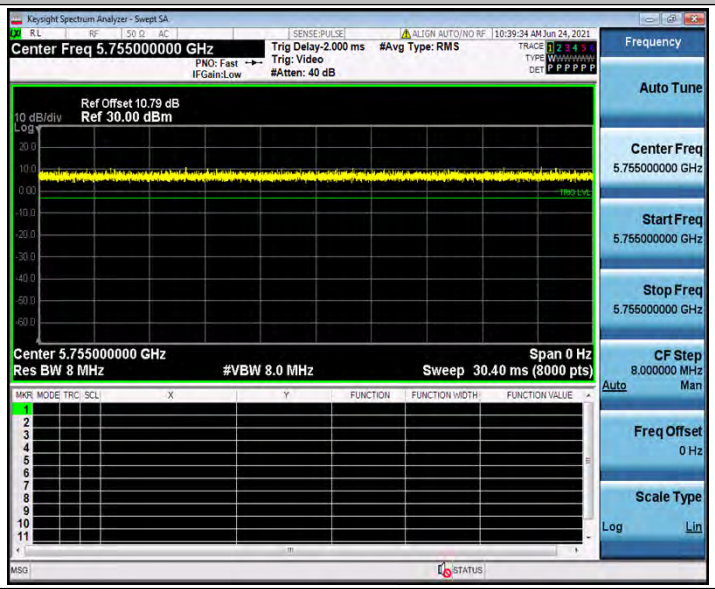

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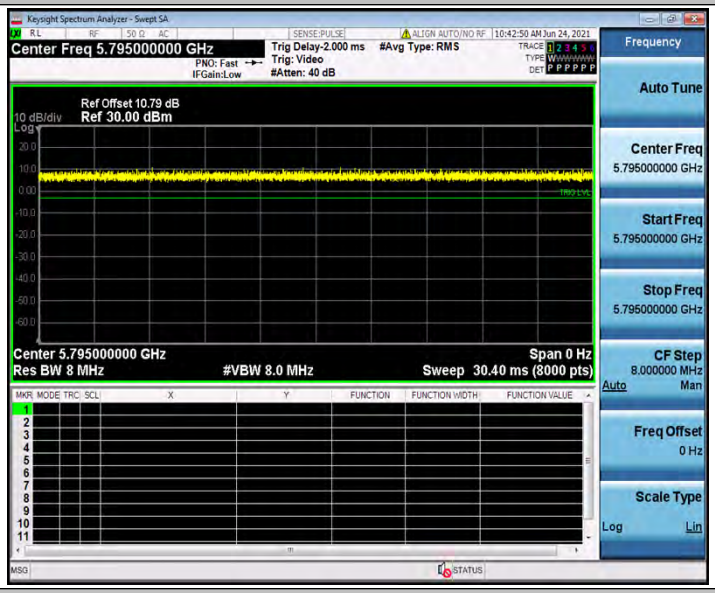
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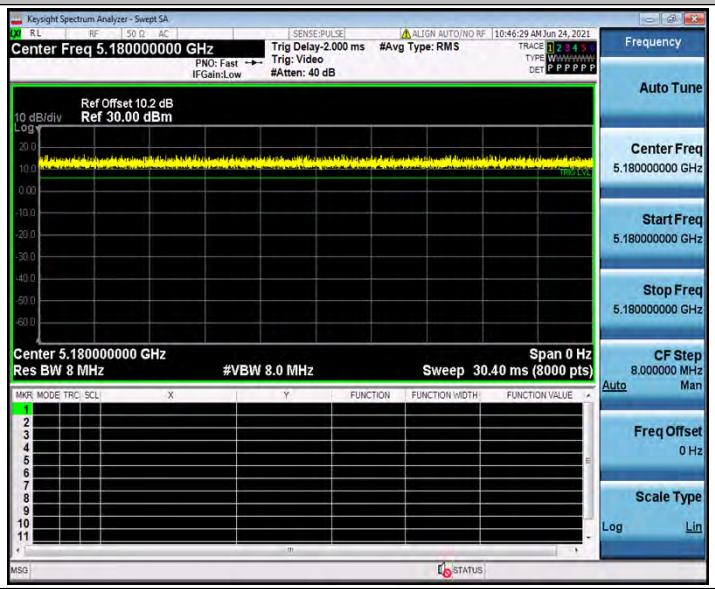
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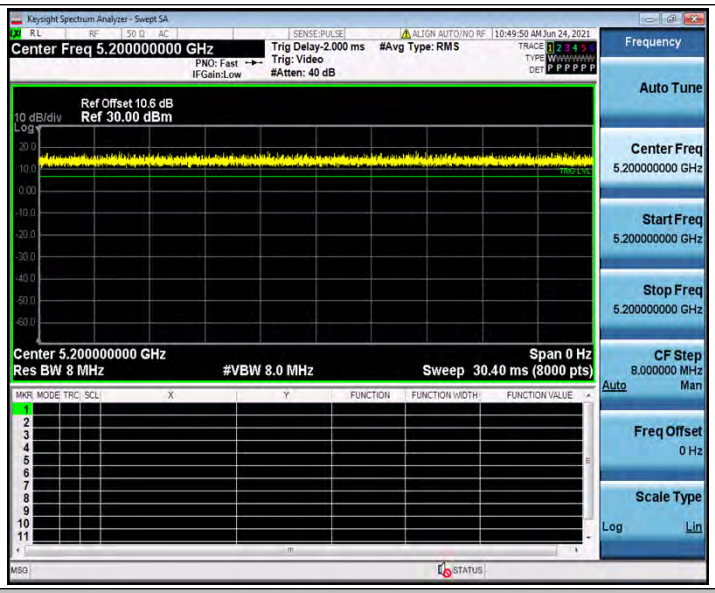

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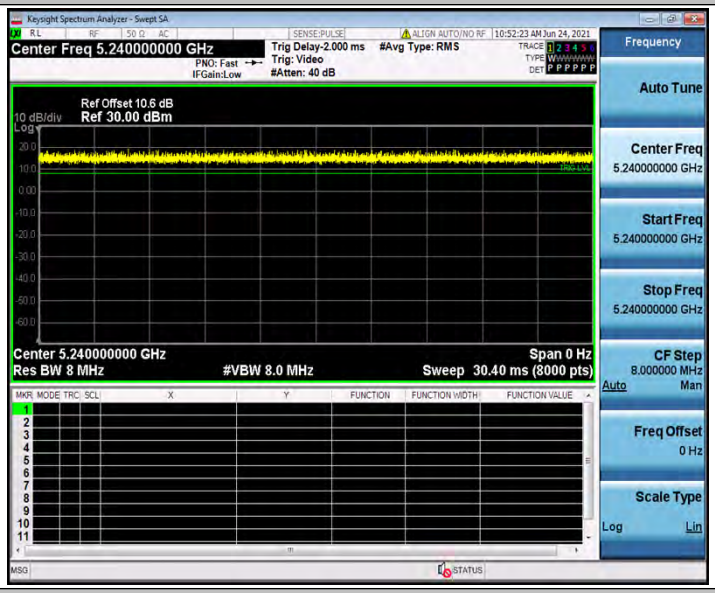

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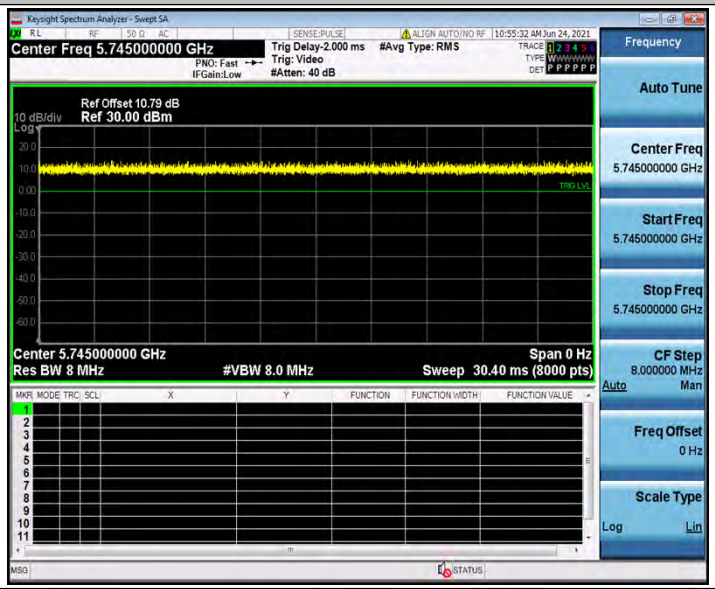

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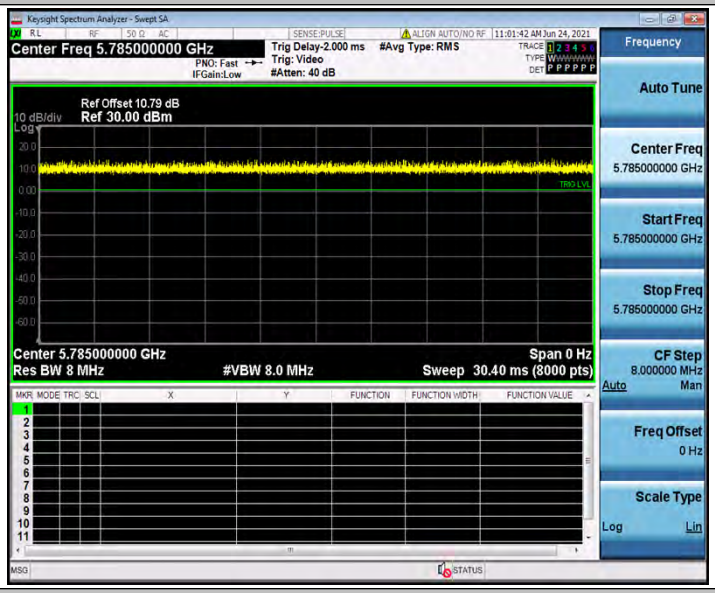
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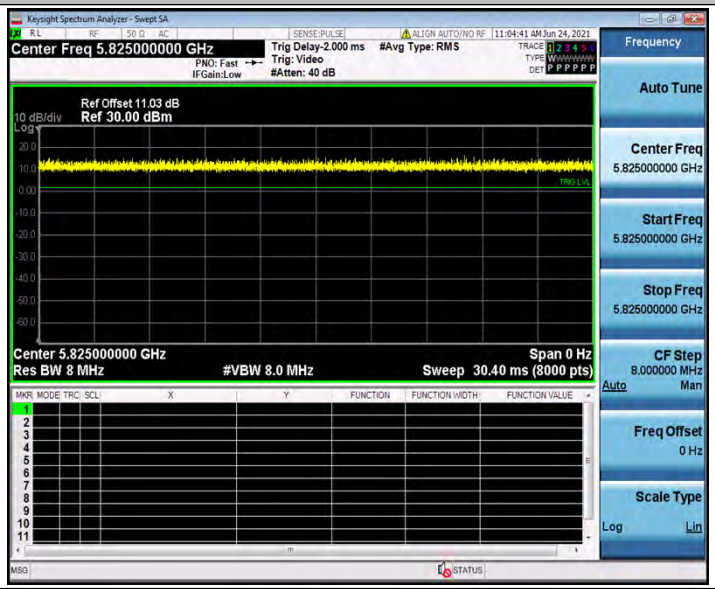
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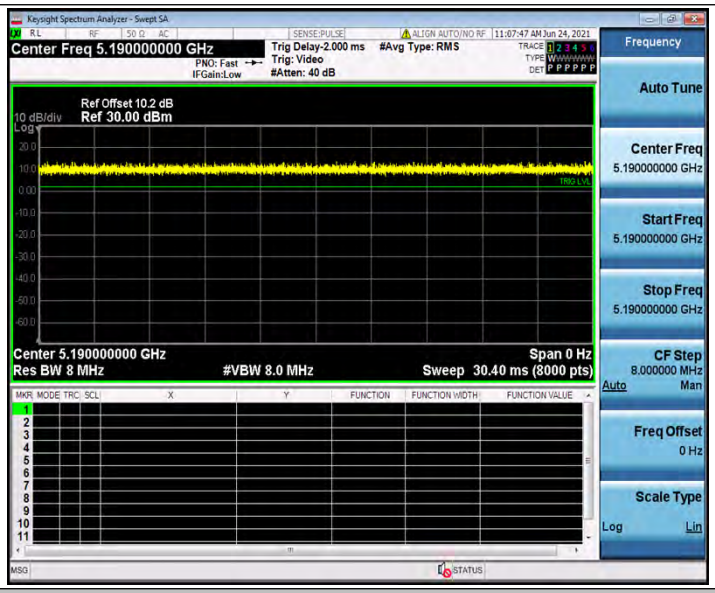

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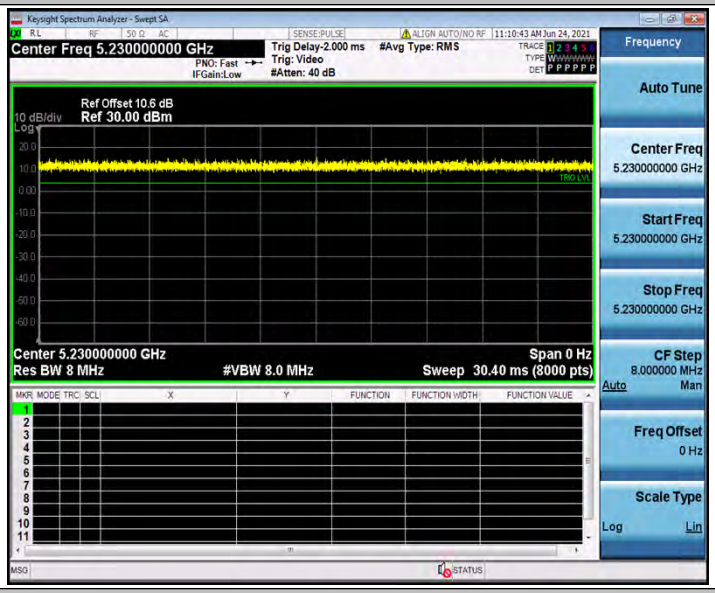

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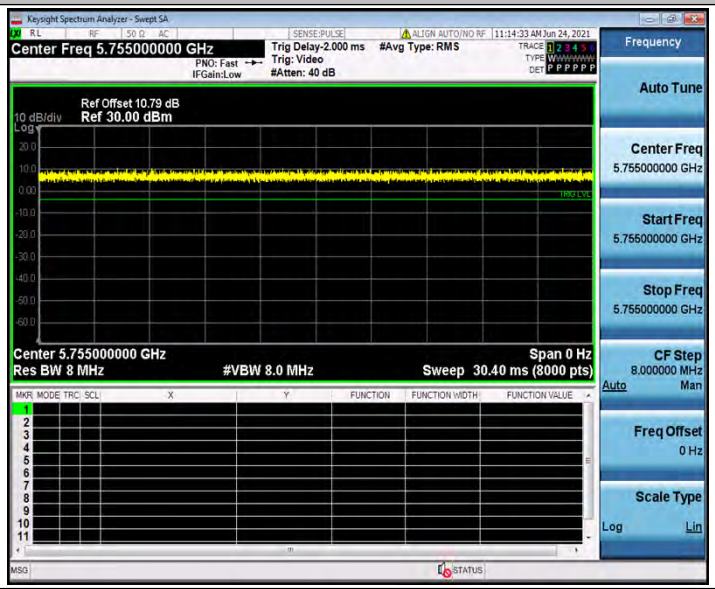

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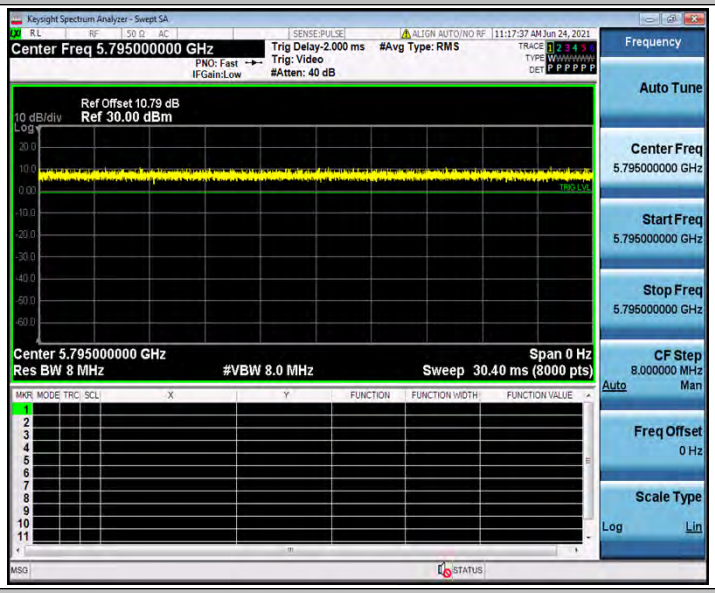
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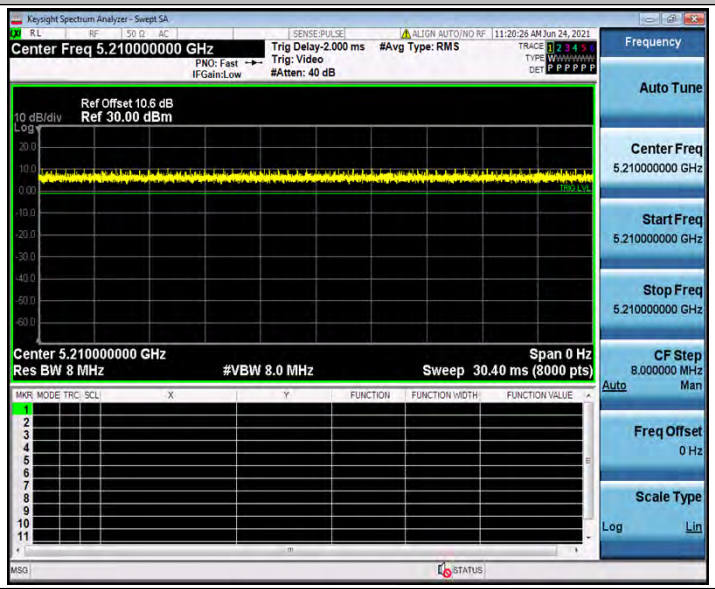
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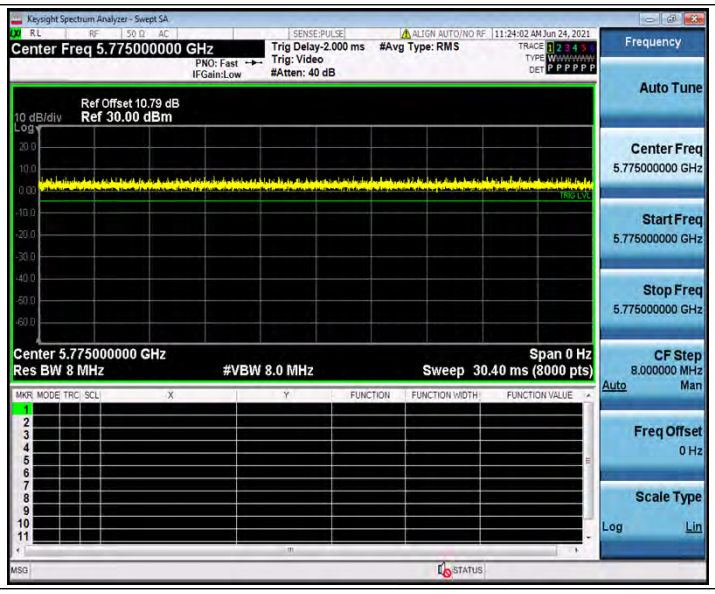
Keysight Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig Delay-2.000 ms
Trig: Video
#Avg Type: RMS
#Atten: 40 dB
11:24:02 AM Jun 24, 2021
Ref Offset 10.79 dB
10 dB/div
Ref 30.00 dBm
Center 5.775000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 30.40 ms (8000 pts)
MKR MODE TRC SCL
X
Y
FUNCTION
FUNCTION WIDTH
FUNCTION VALUE
MSG
STATUS
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
Scale Type
Log
Lin

********** End **********