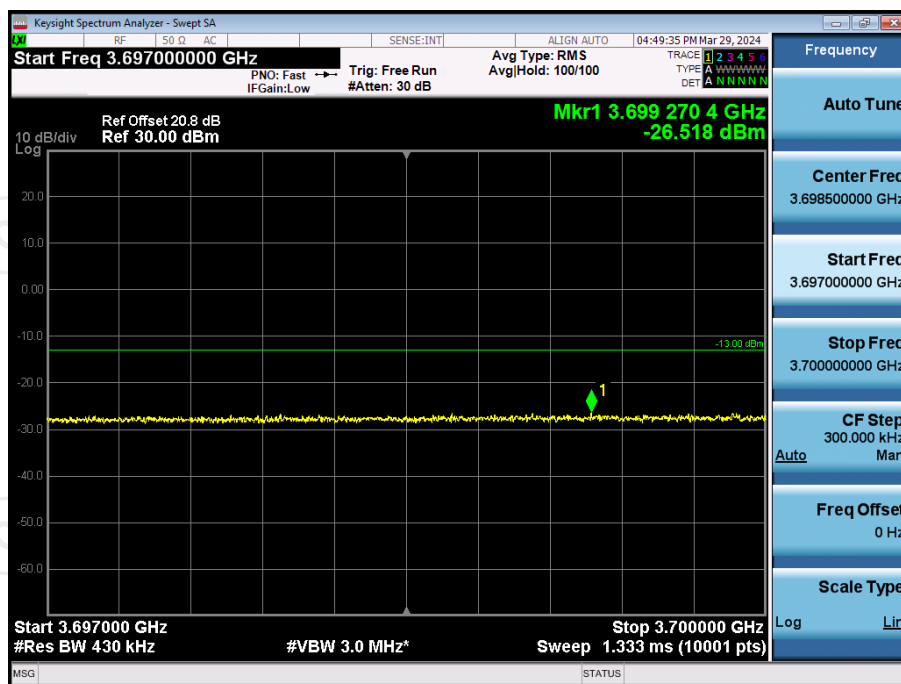
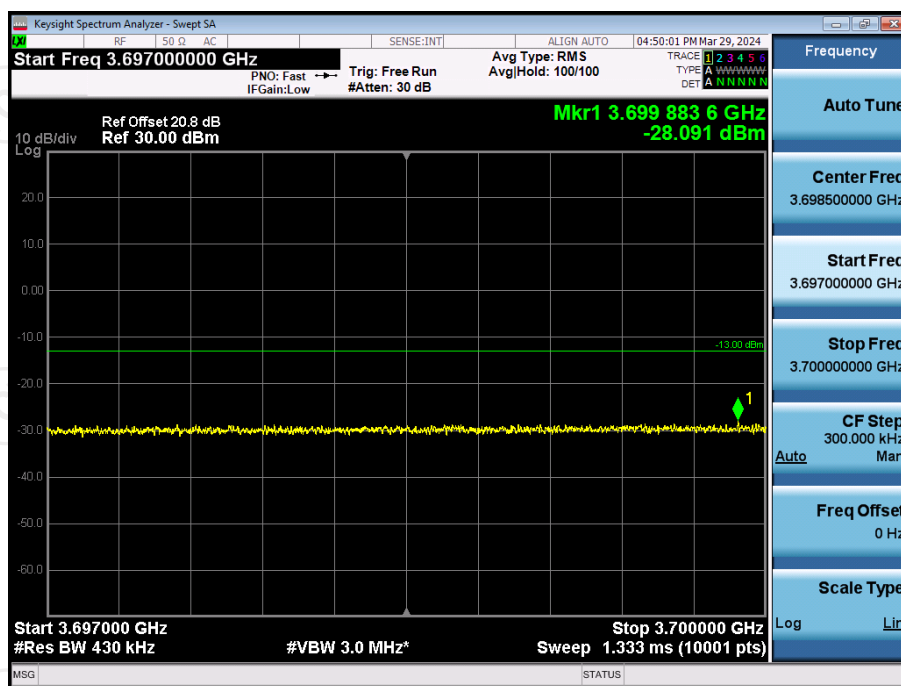


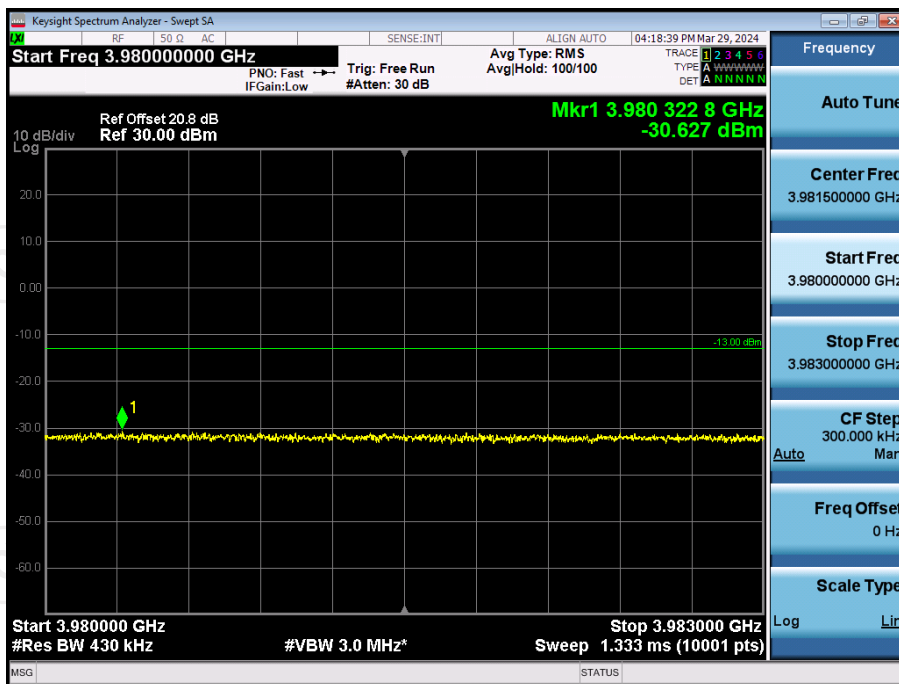
5G NR 40 MHz DL Left Side Pre AGC



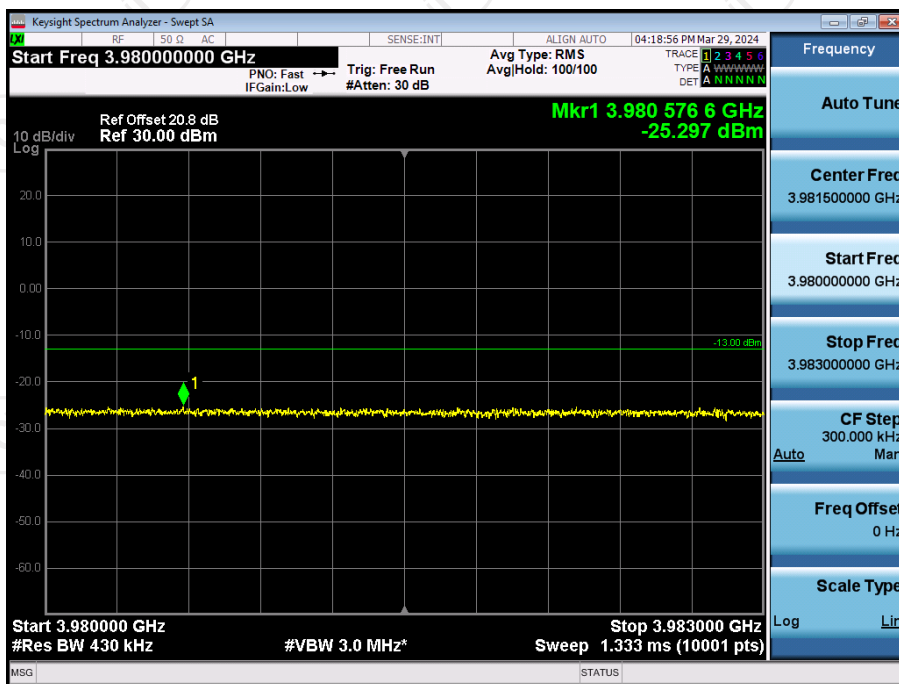
5G NR 40 MHz DL Left Side Pre AGC + 3 dB



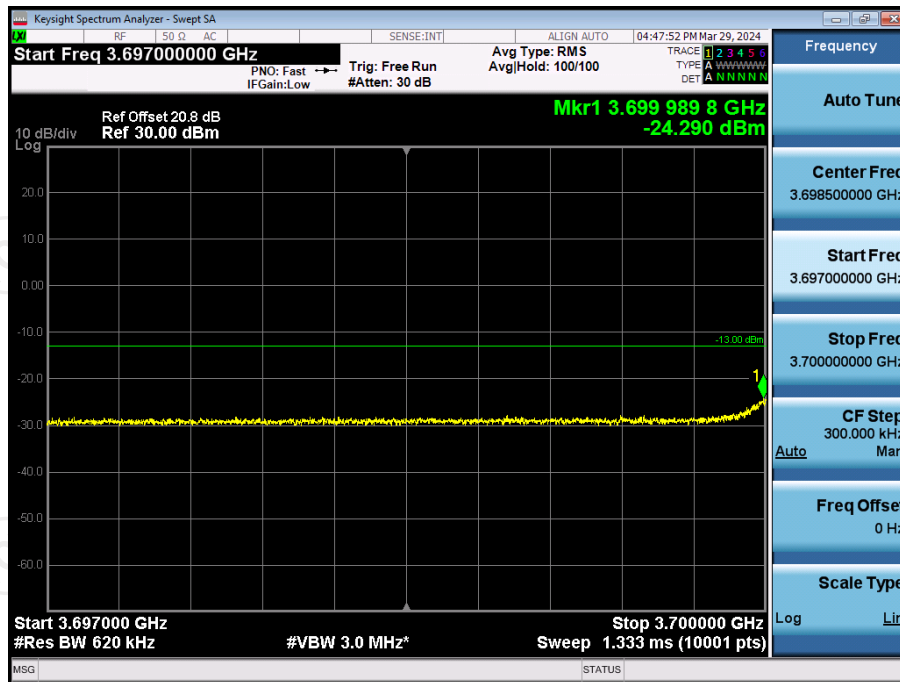
5G NR 40 MHz DL Right Side Pre AGC



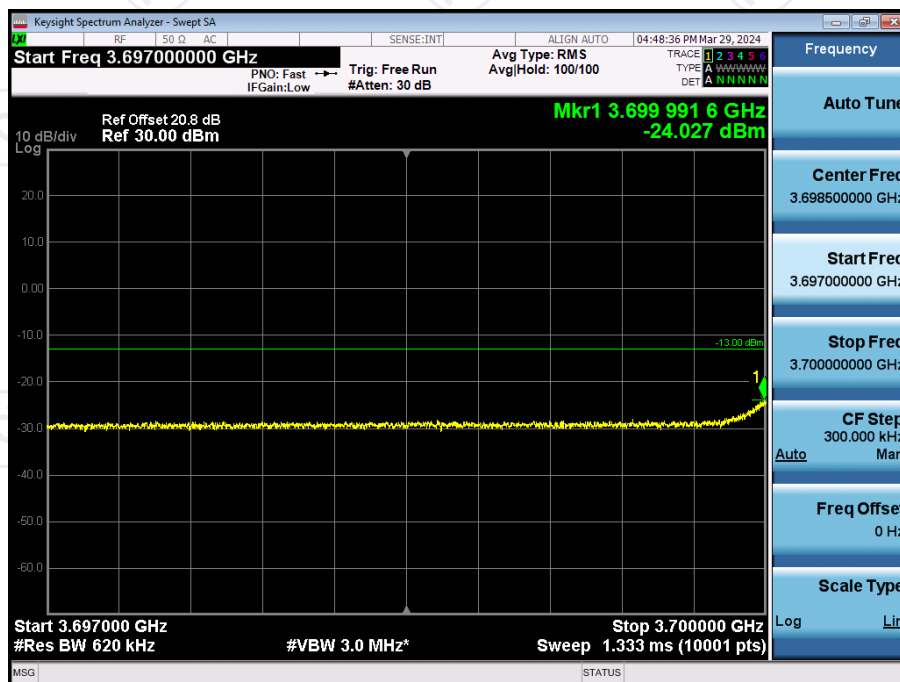
5G NR 40 MHz DL Right Side Pre AGC + 3 dB



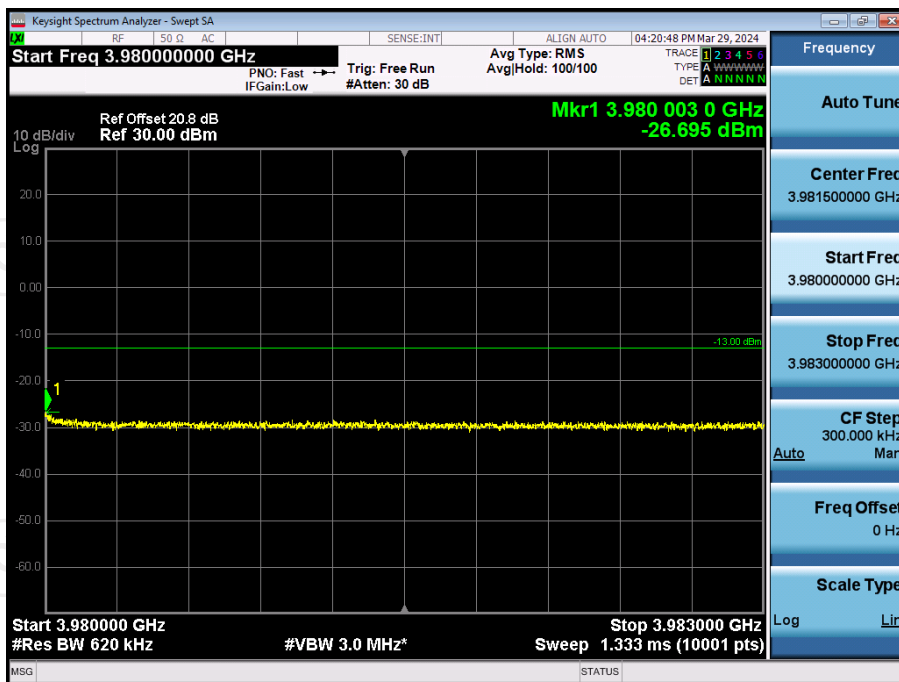
5G NR 60 MHz DL Left Side Pre AGC



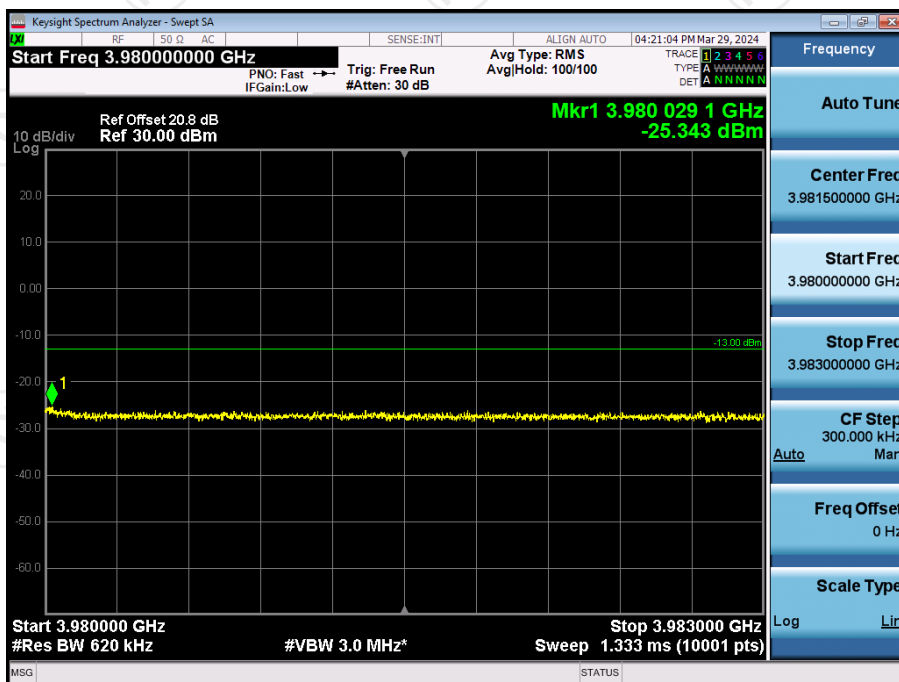
5G NR 60 MHz DL Left Side Pre AGC + 3 dB



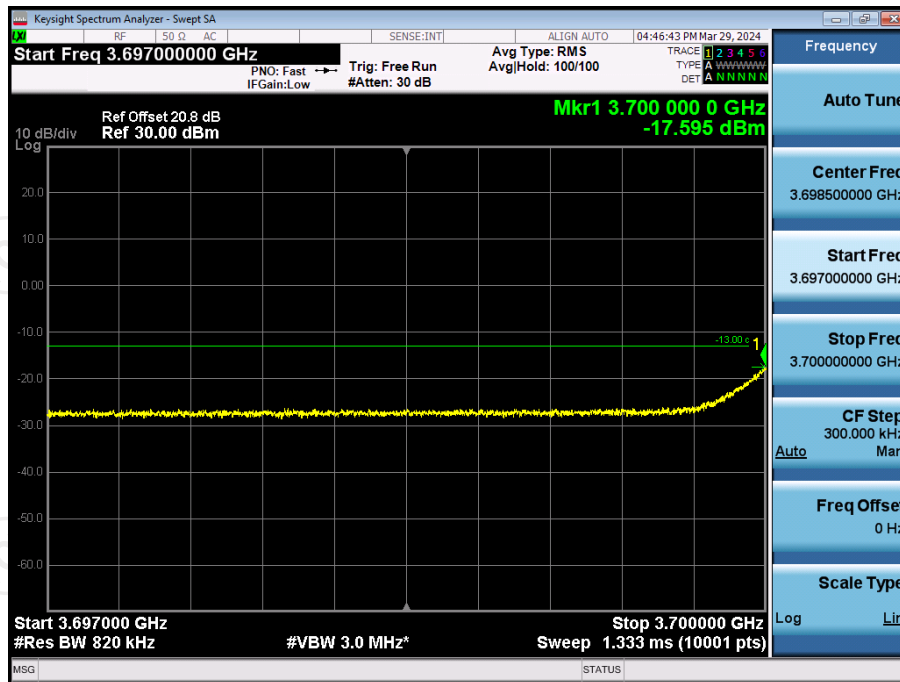
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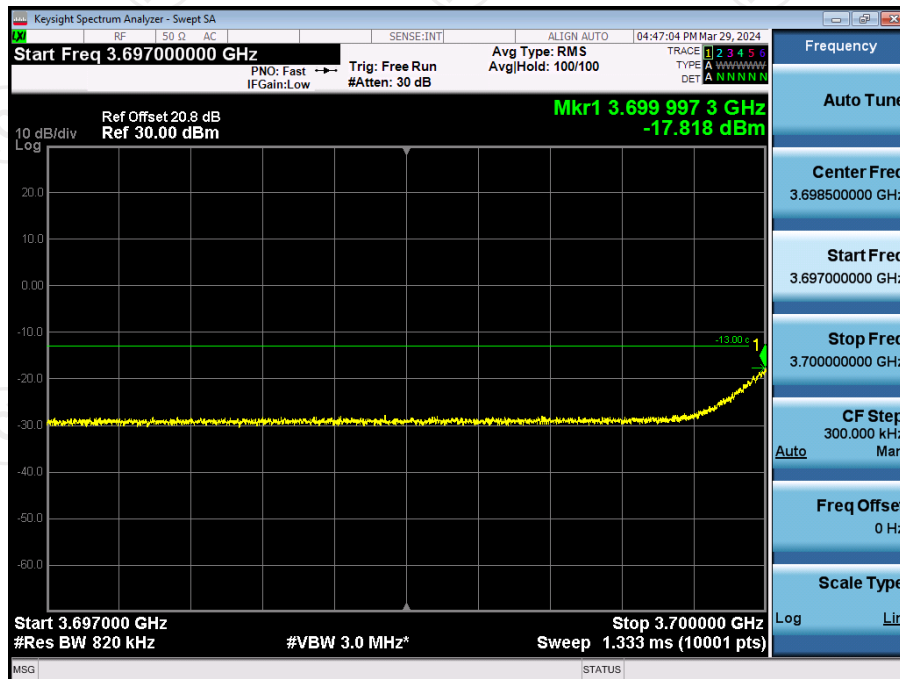
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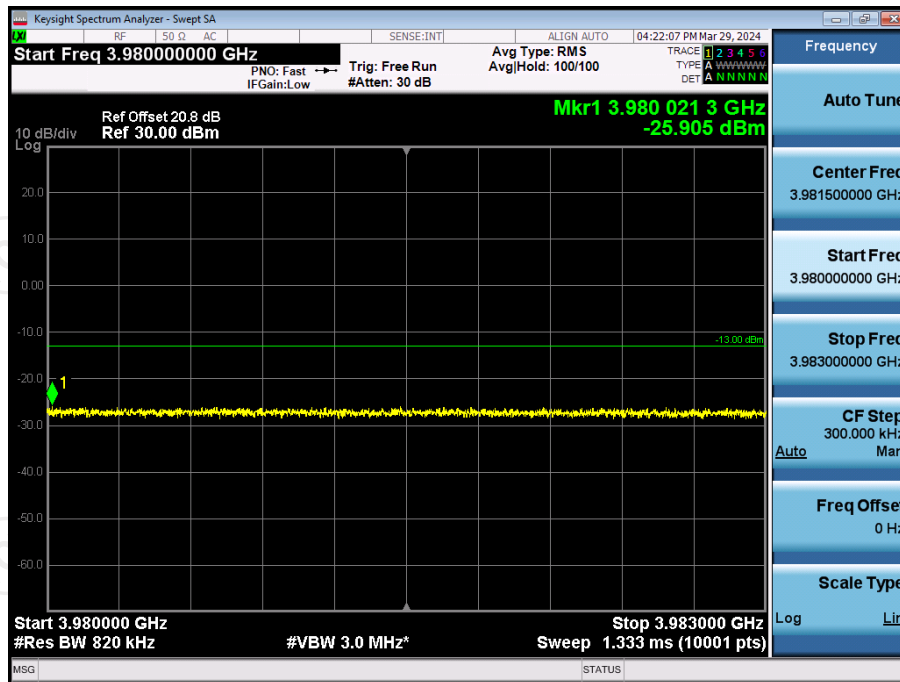
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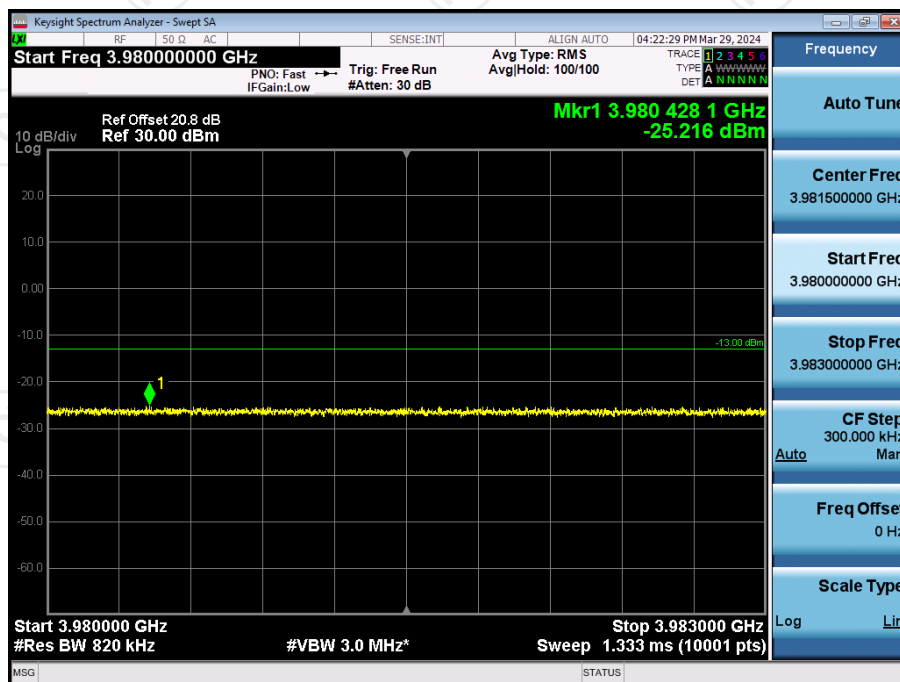
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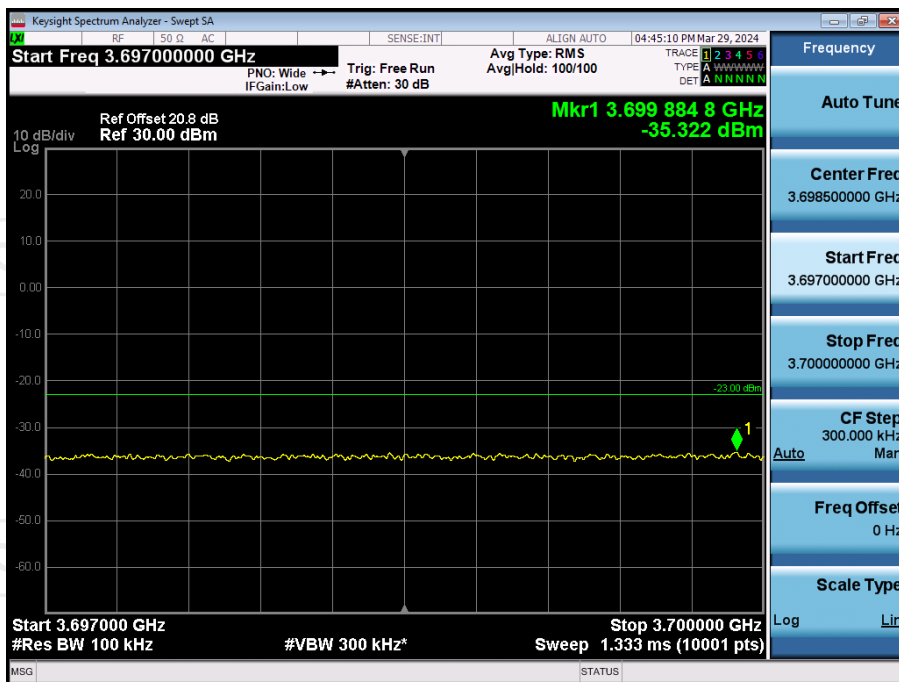
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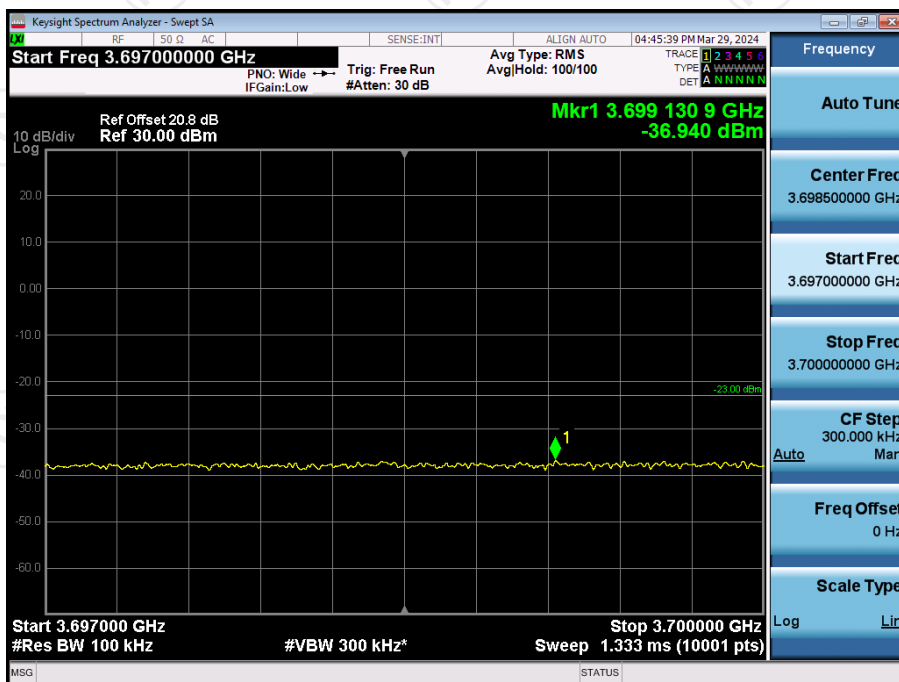
5G NR 80 MHz DL Right Side Pre AGC + 3 dB



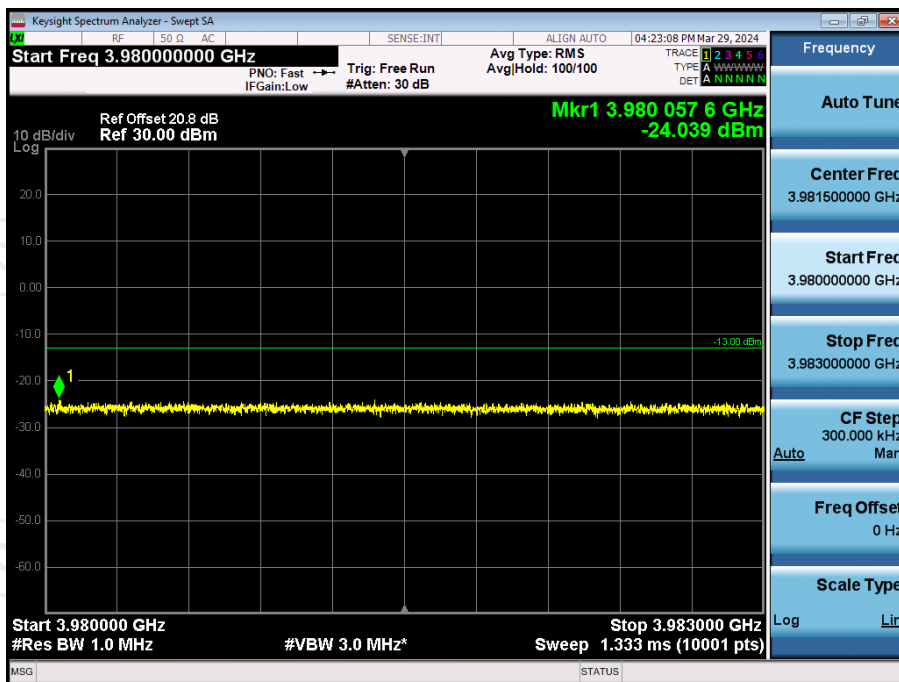
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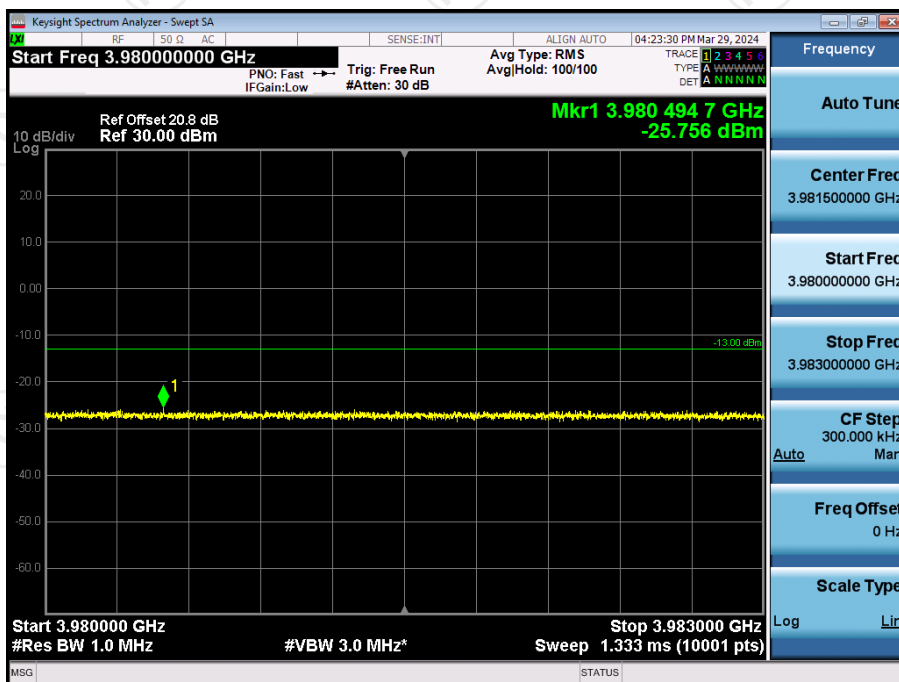
5G NR 100 MHz DL Left Side Pre AGC + 3 dB



5G NR 100 MHz DL Right Side Pre AGC

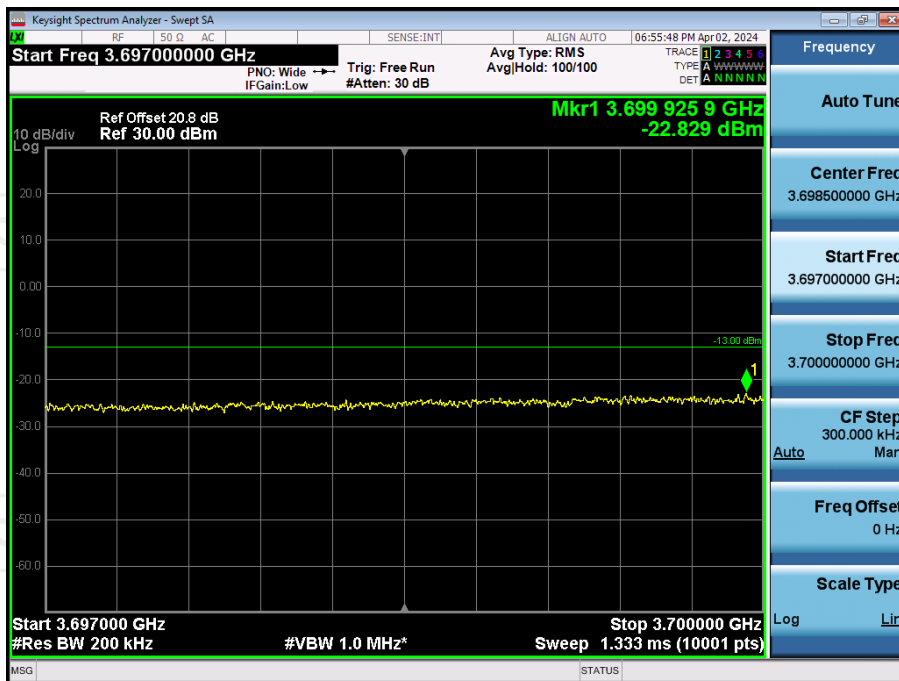


5G NR 100 MHz DL Right Side Pre AGC + 3 dB

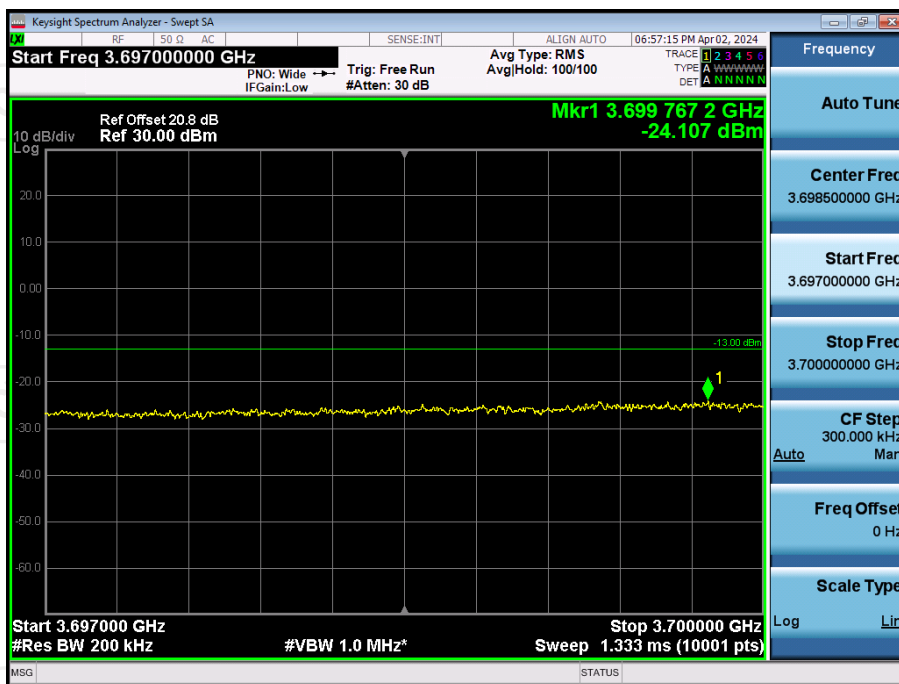


Path2 Sub-Band Mode Single Signal

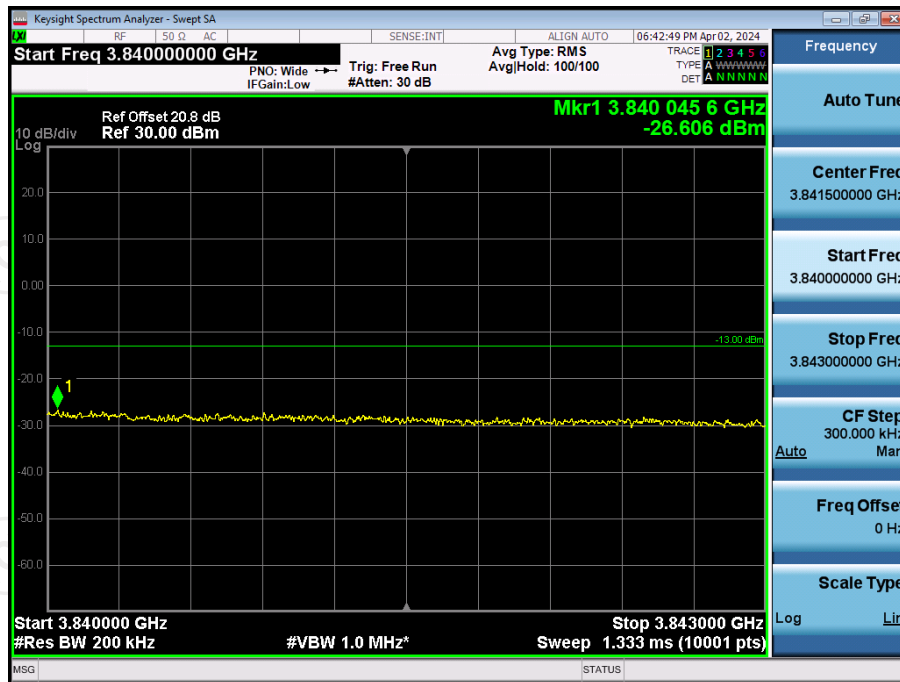
5G NR 20 MHz UL Left Side Pre AGC



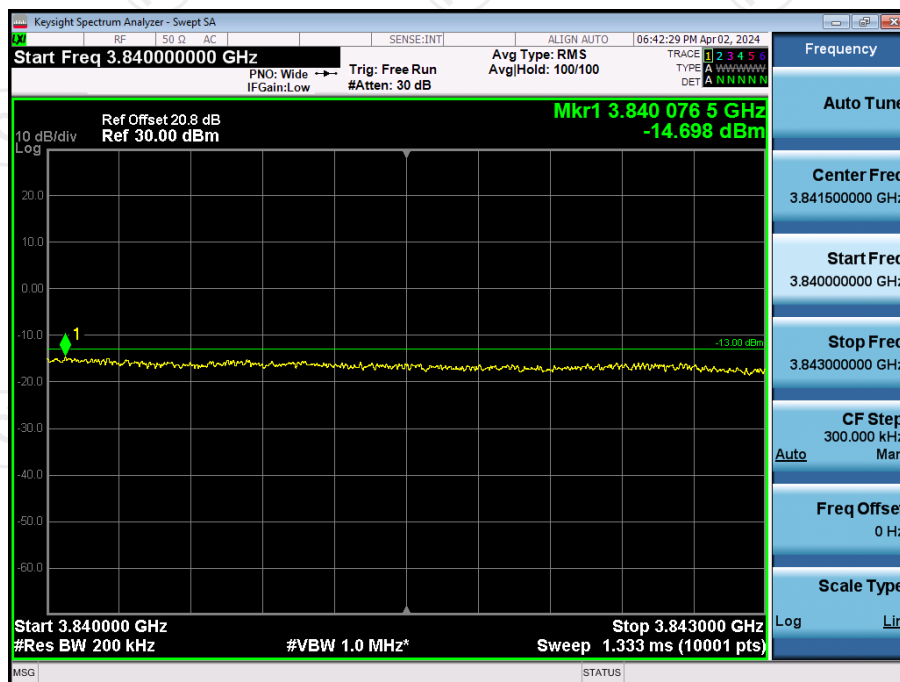
5G NR 20 MHz UL Left Side Pre AGC + 3 dB



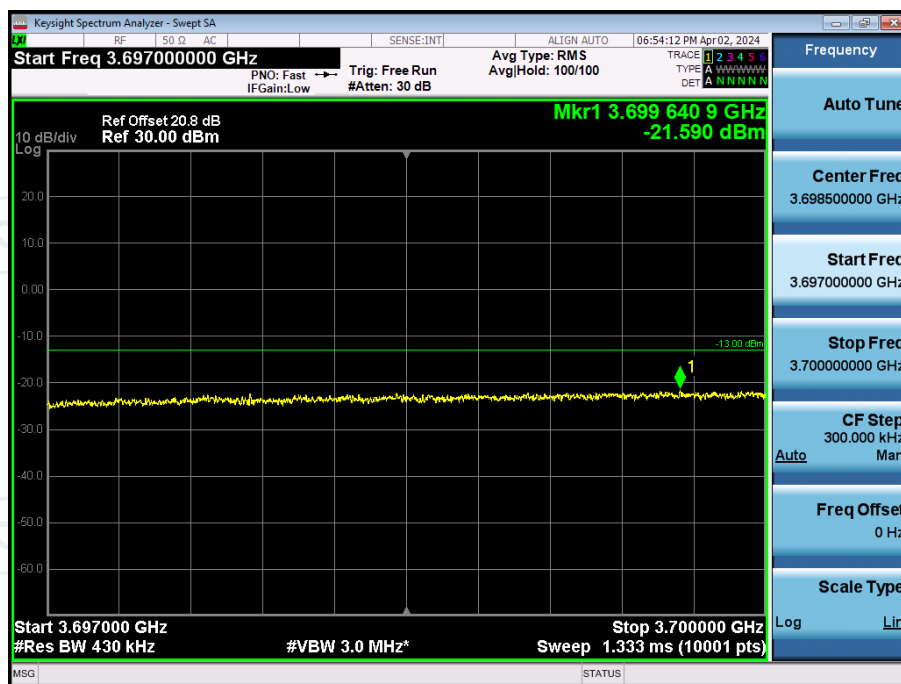
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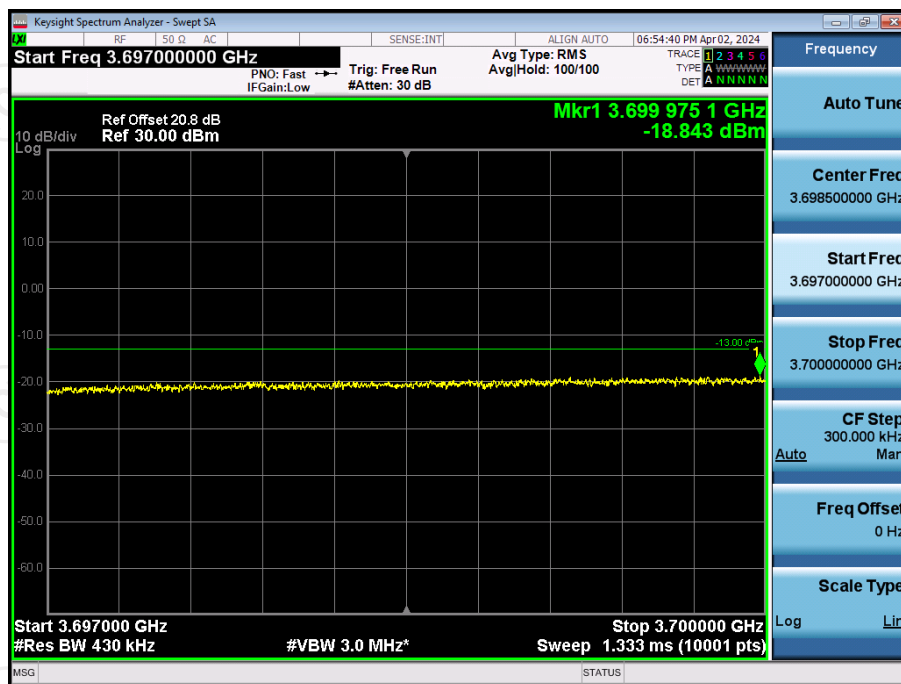
5G NR 20 MHz UL Right Side Pre AGC + 3 dB



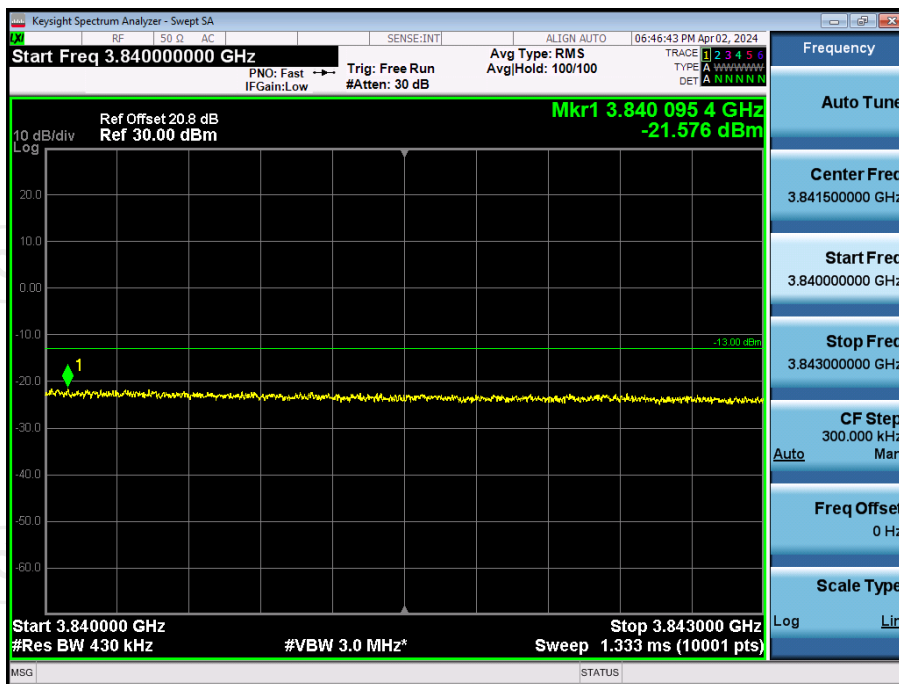
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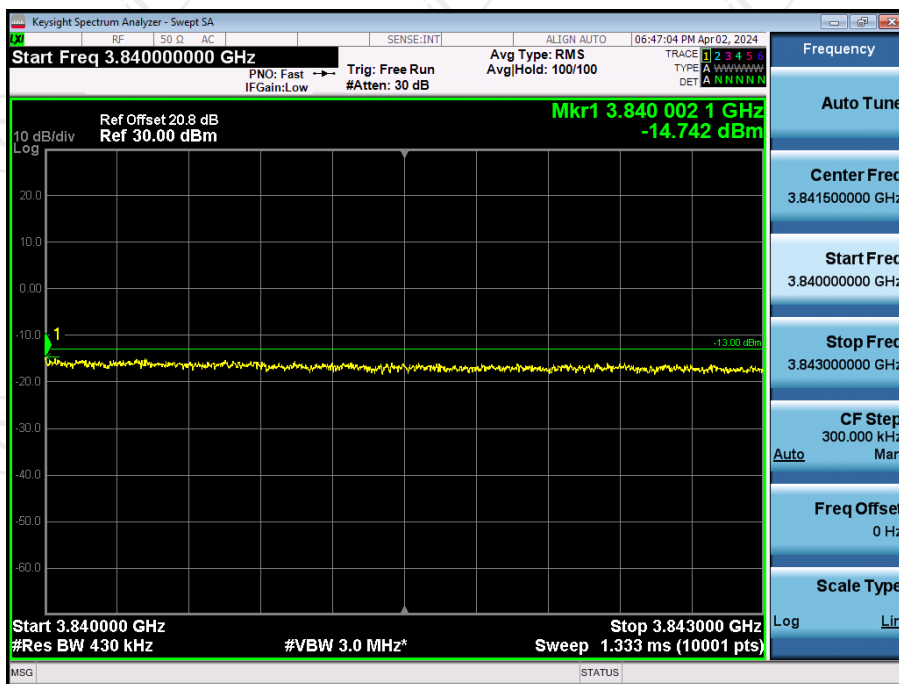
5G NR 40 MHz UL Left Side Pre AGC + 3 dB



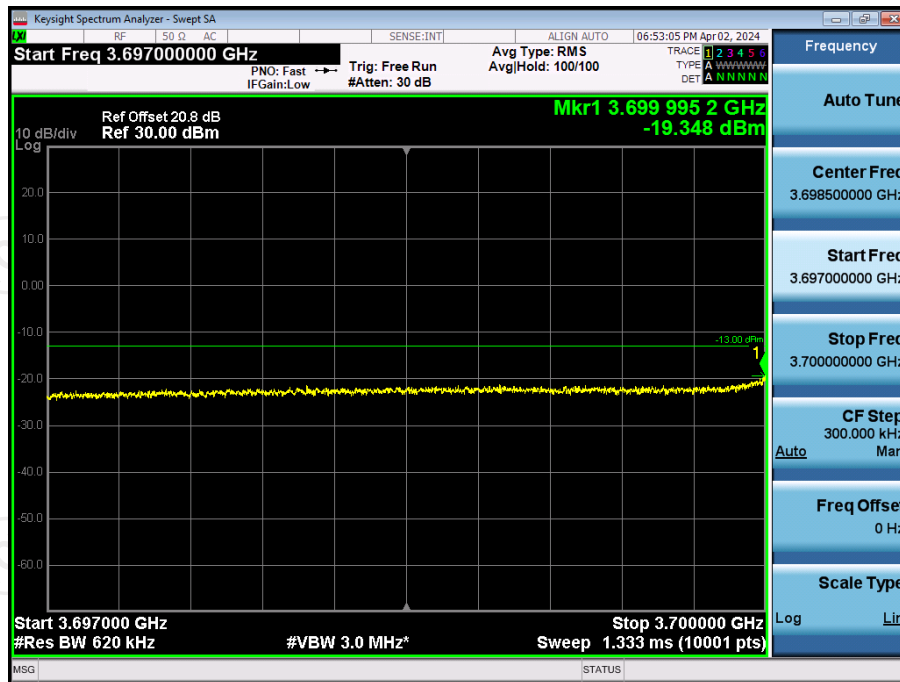
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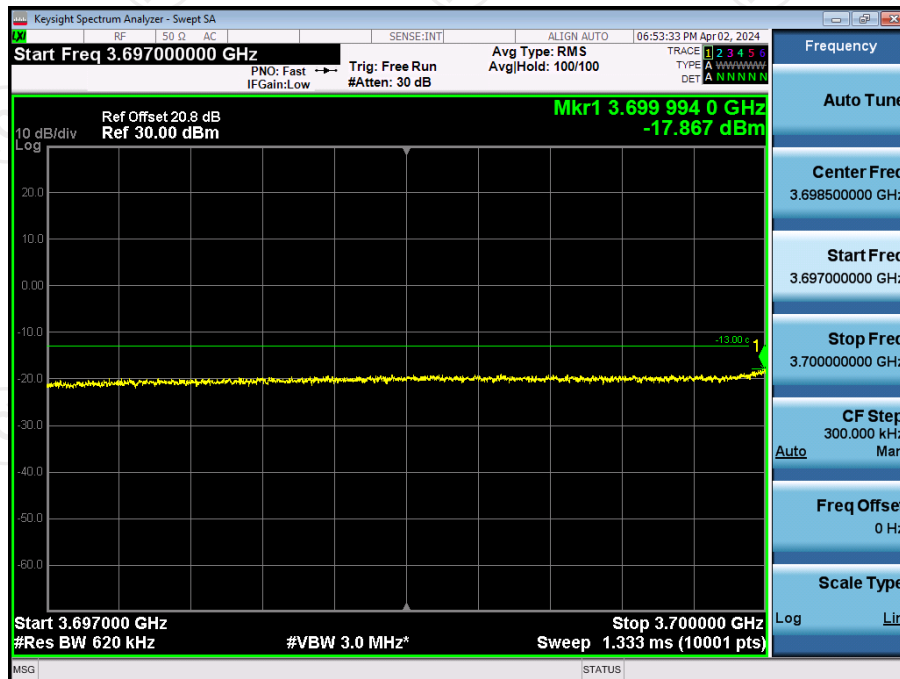
5G NR 40 MHz UL Right Side Pre AGC + 3 dB



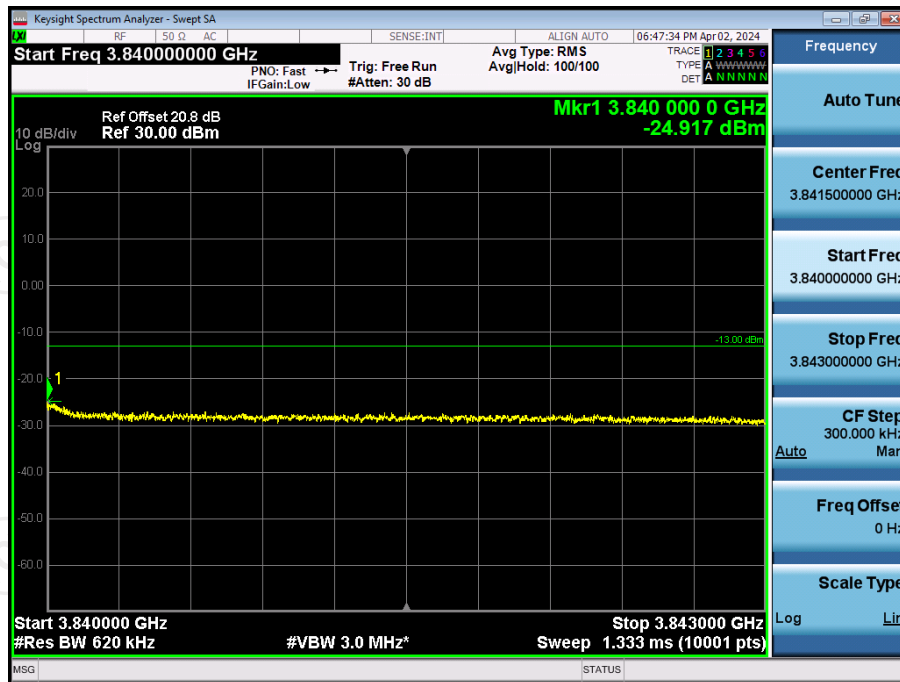
5G NR 60 MHz UL Left Side Pre AGC



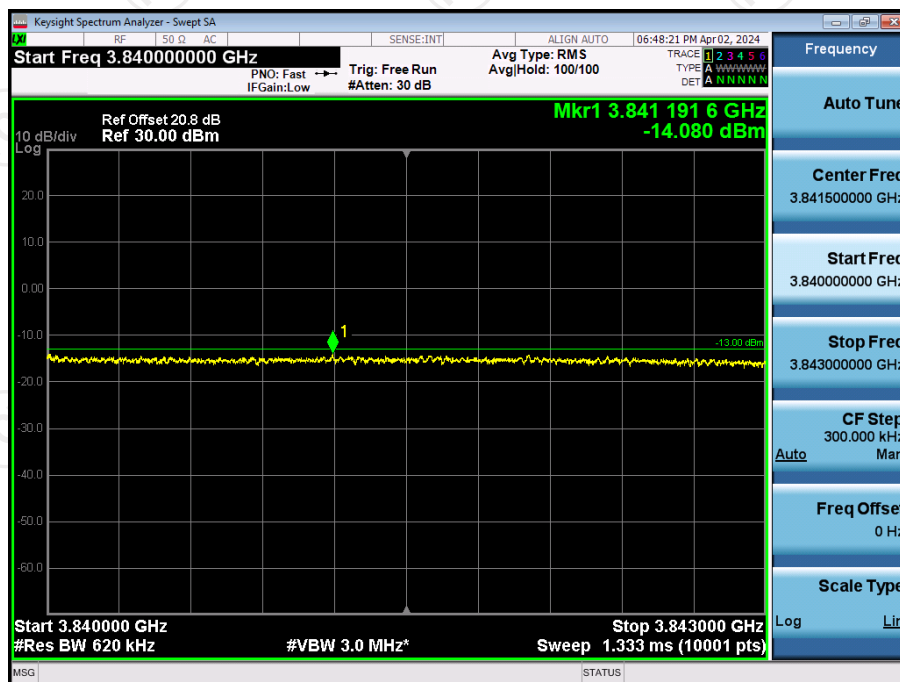
5G NR 60 MHz UL Left Side Pre AGC + 3 dB



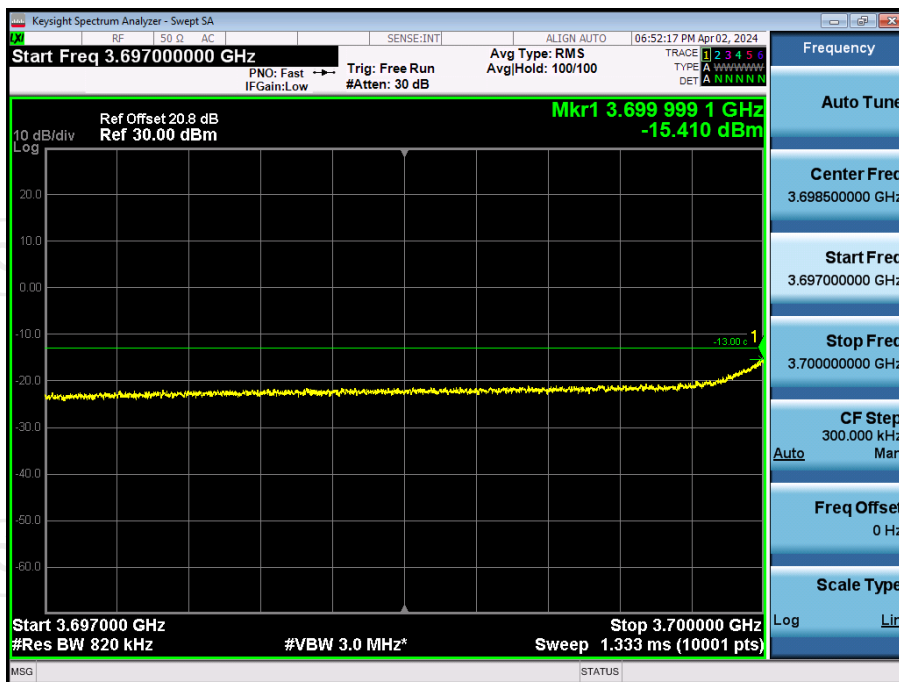
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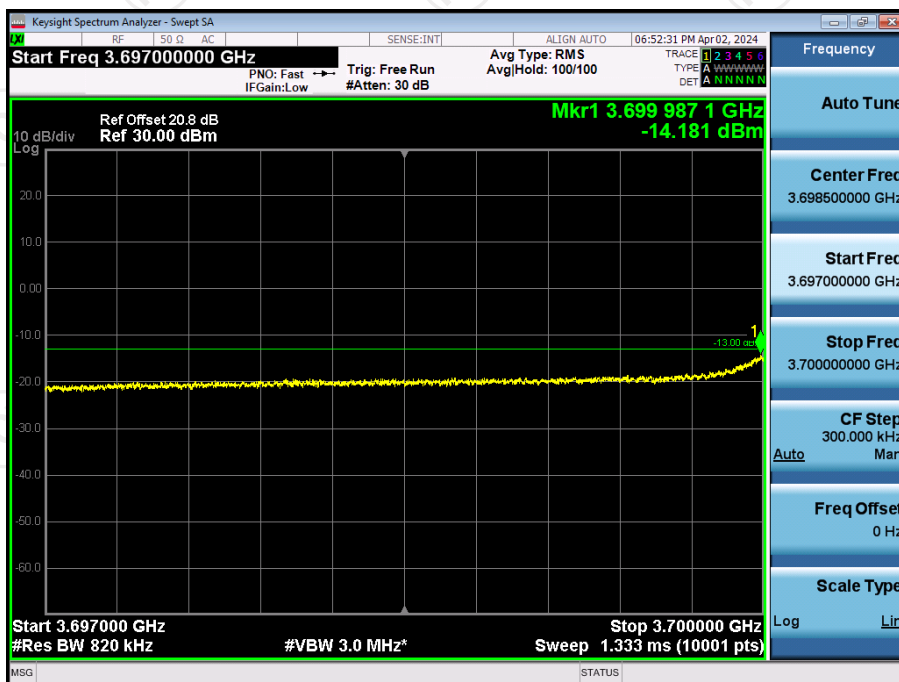
5G NR 60 MHz UL Right Side Pre AGC + 3 dB



5G NR 80 MHz UL Left Side Pre AGC



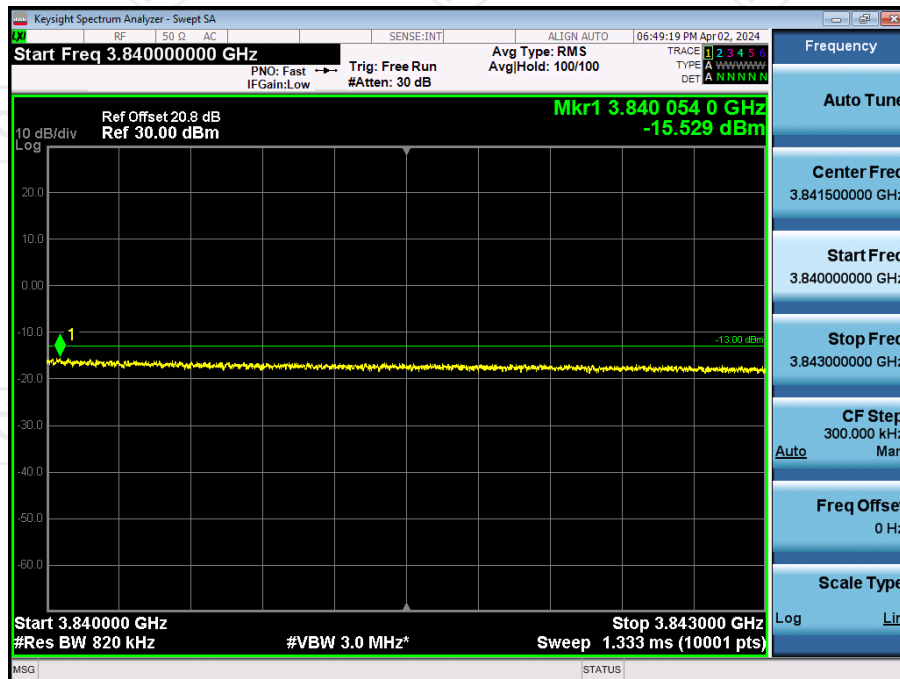
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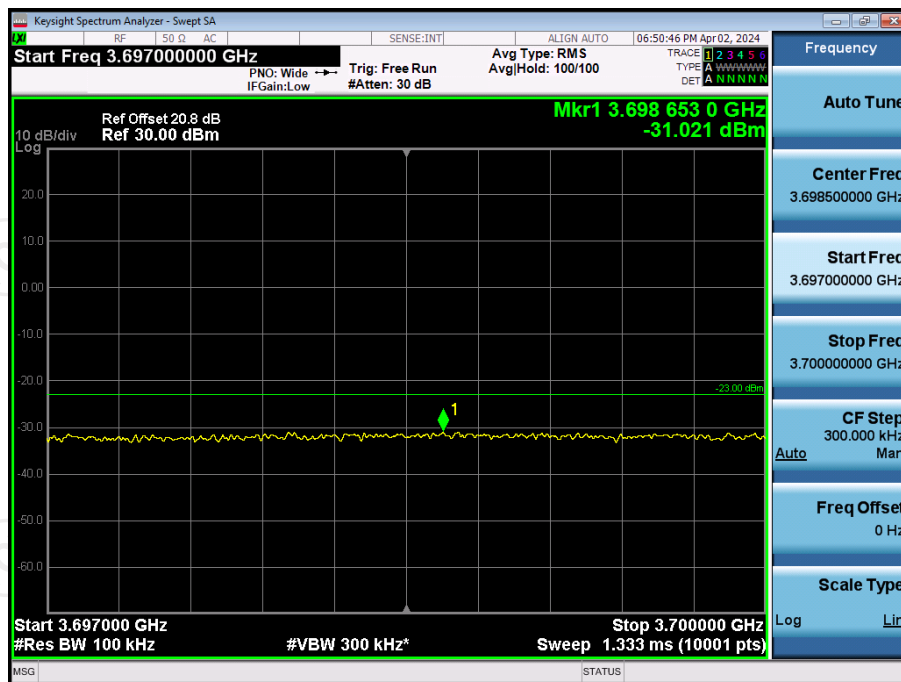
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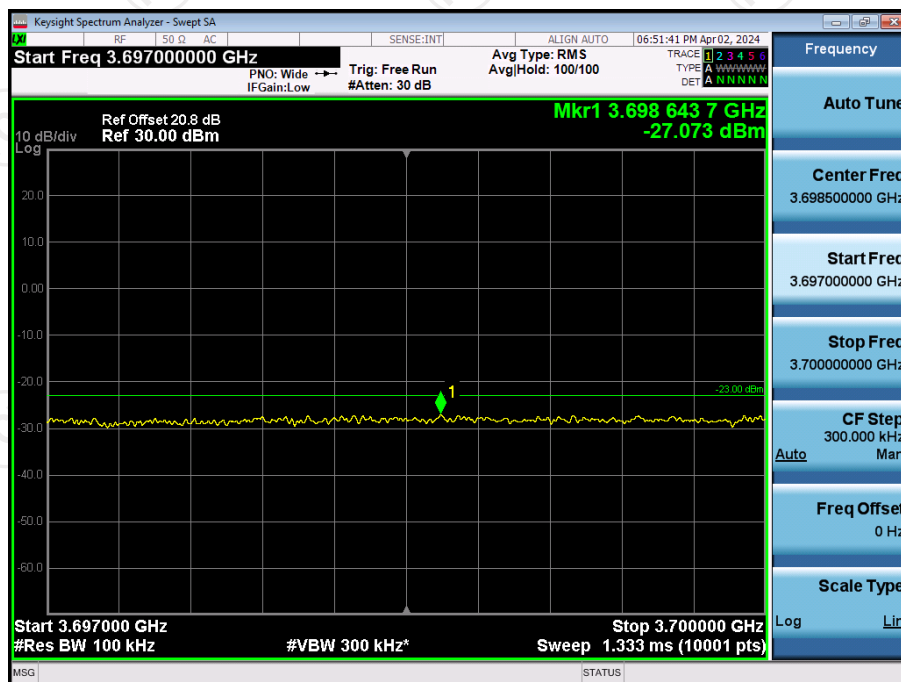
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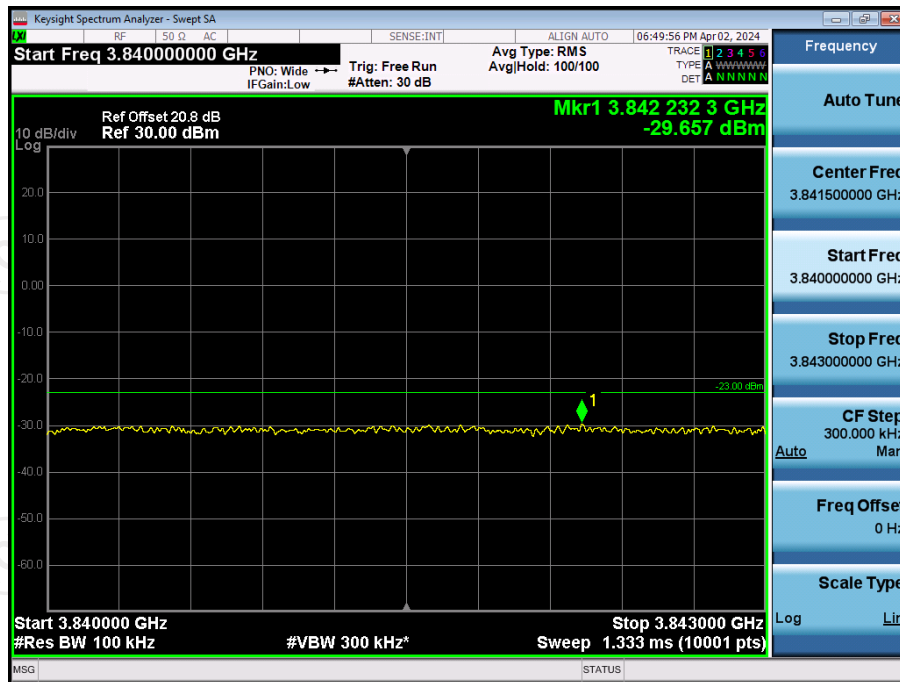
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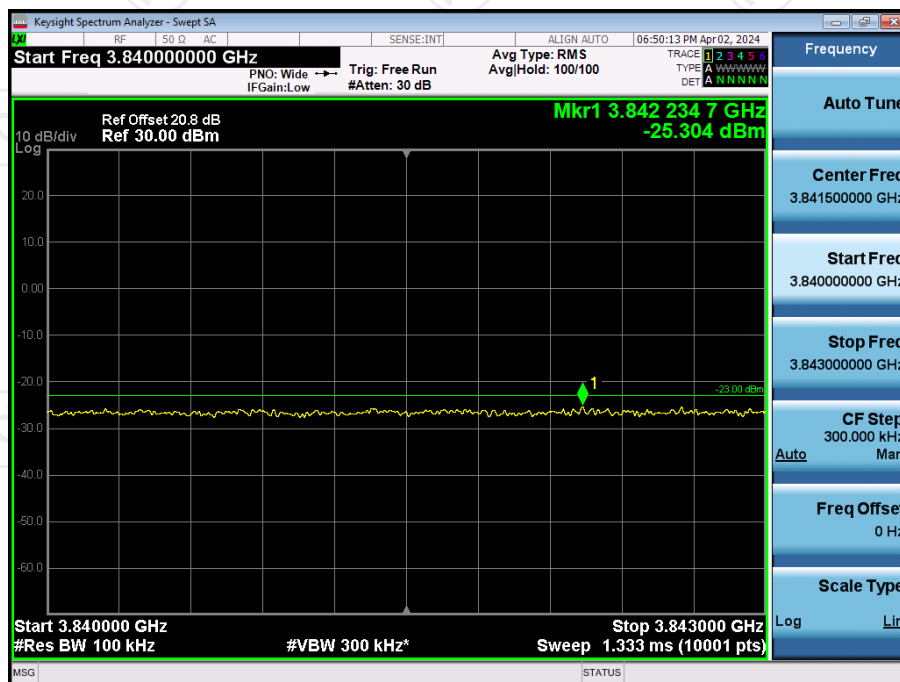
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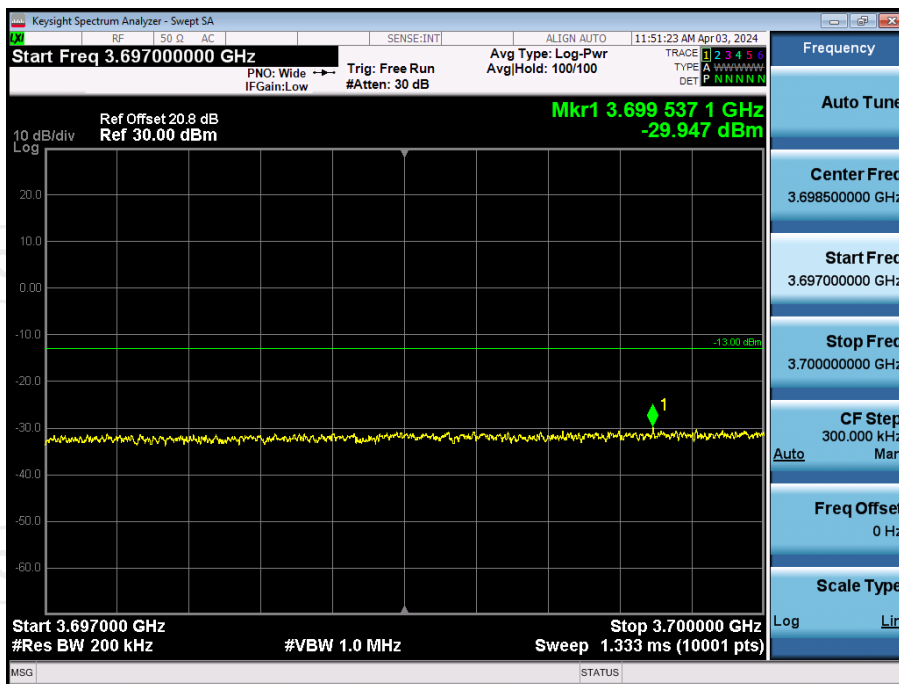
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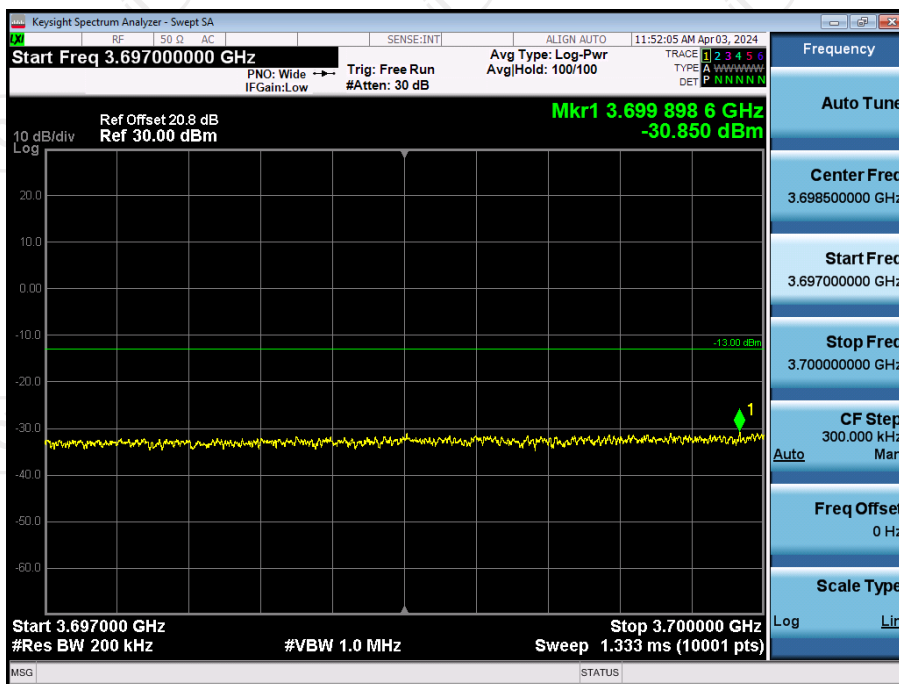
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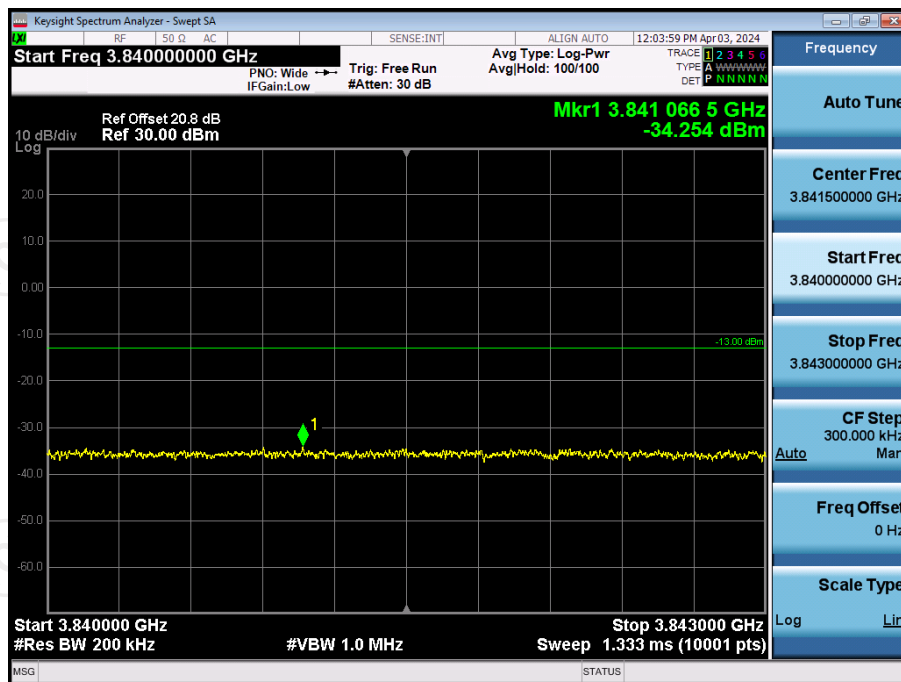
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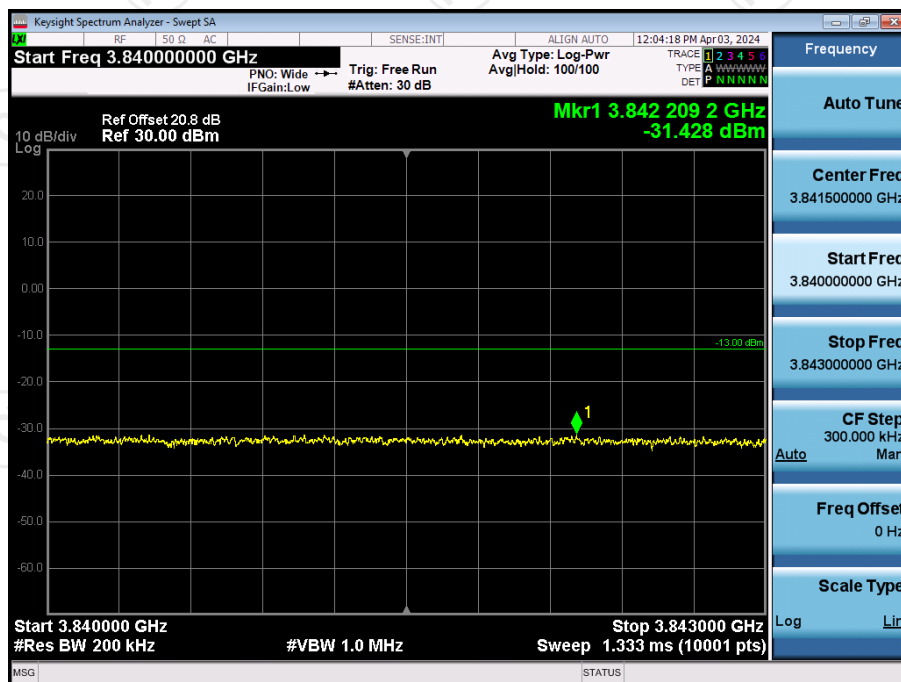
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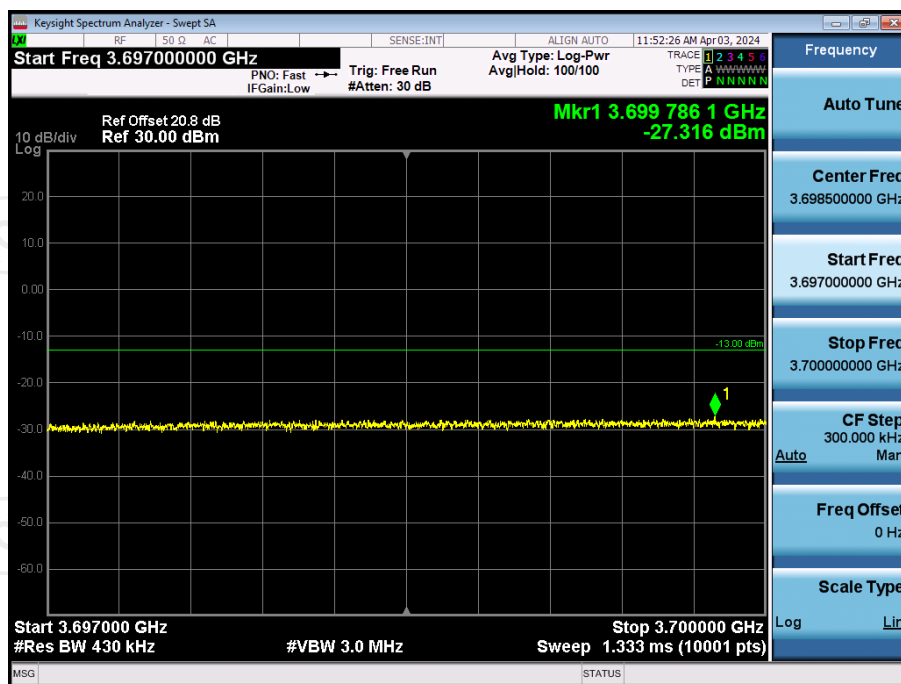
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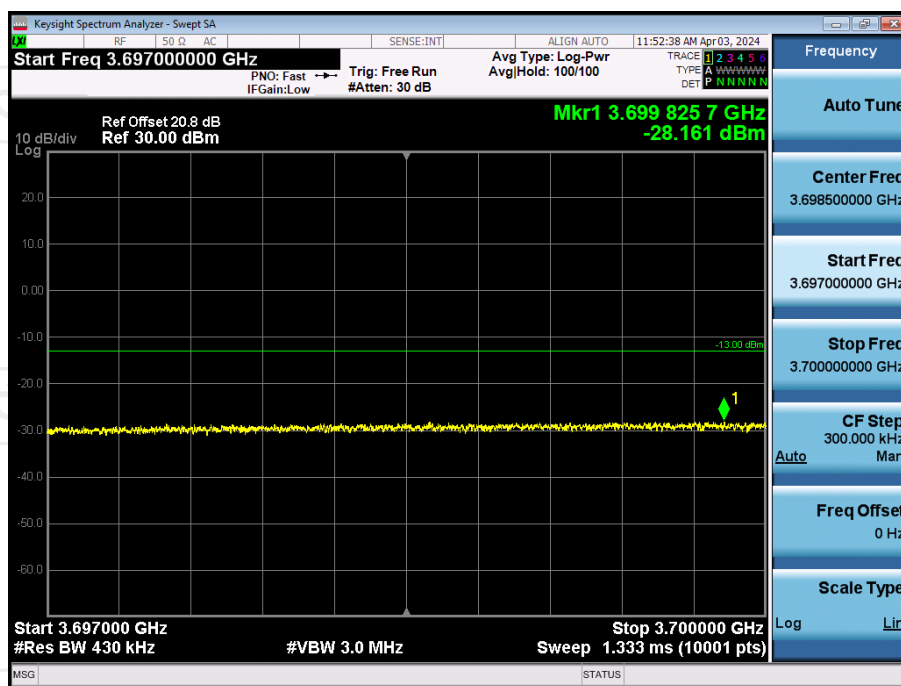
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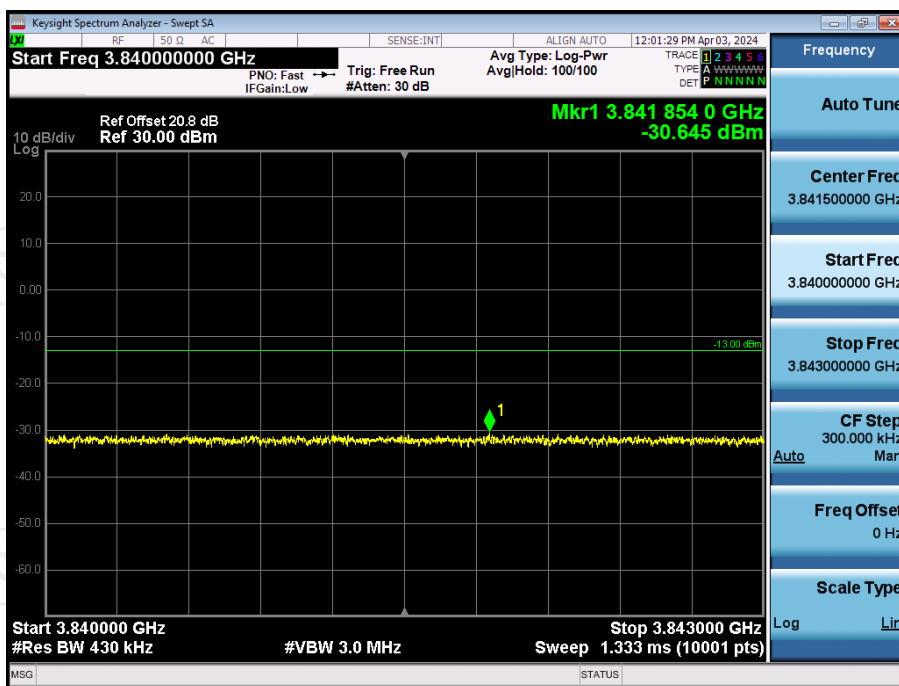
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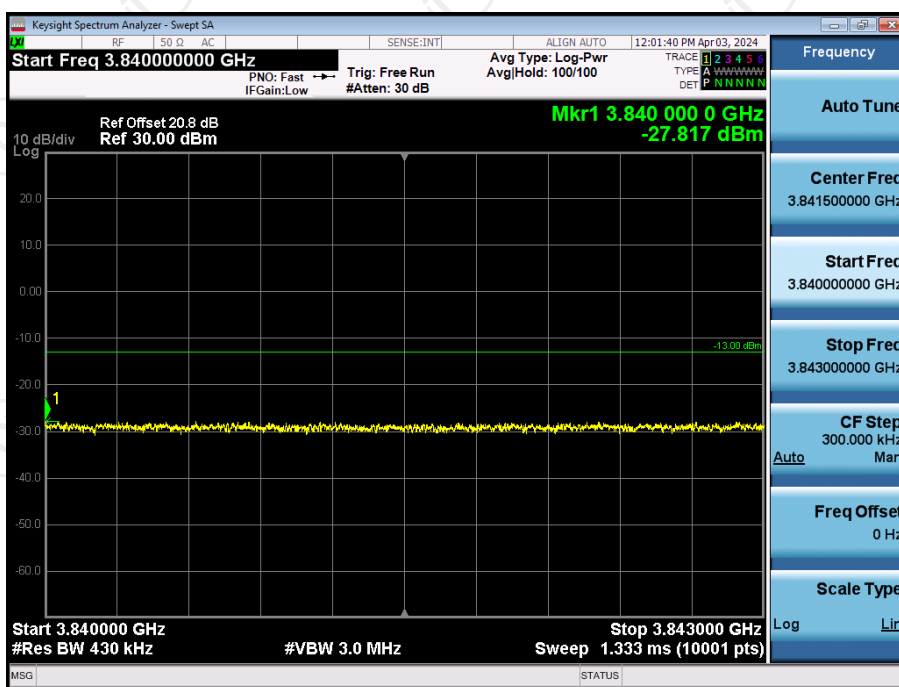
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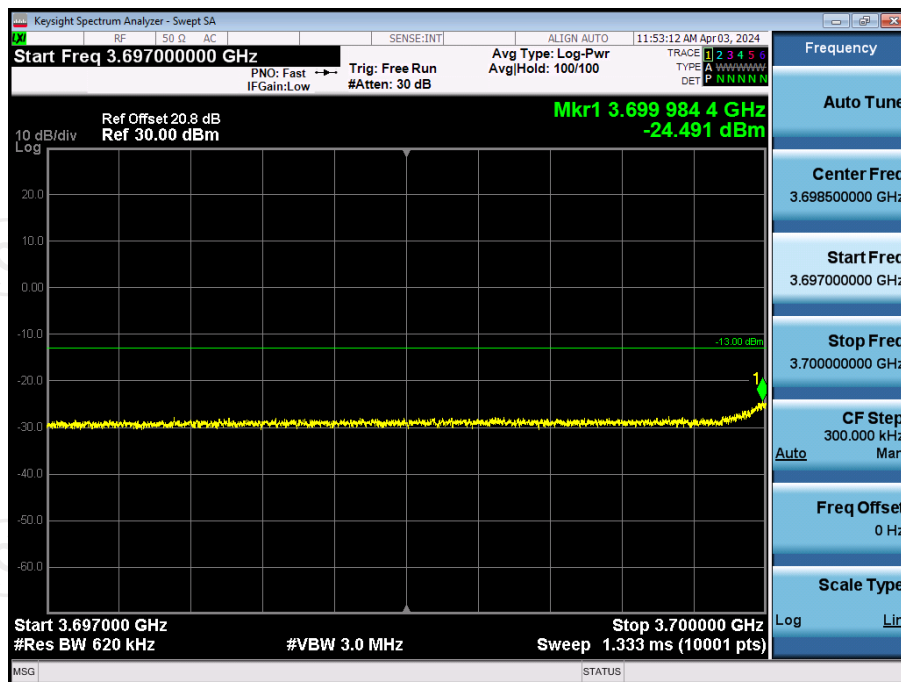
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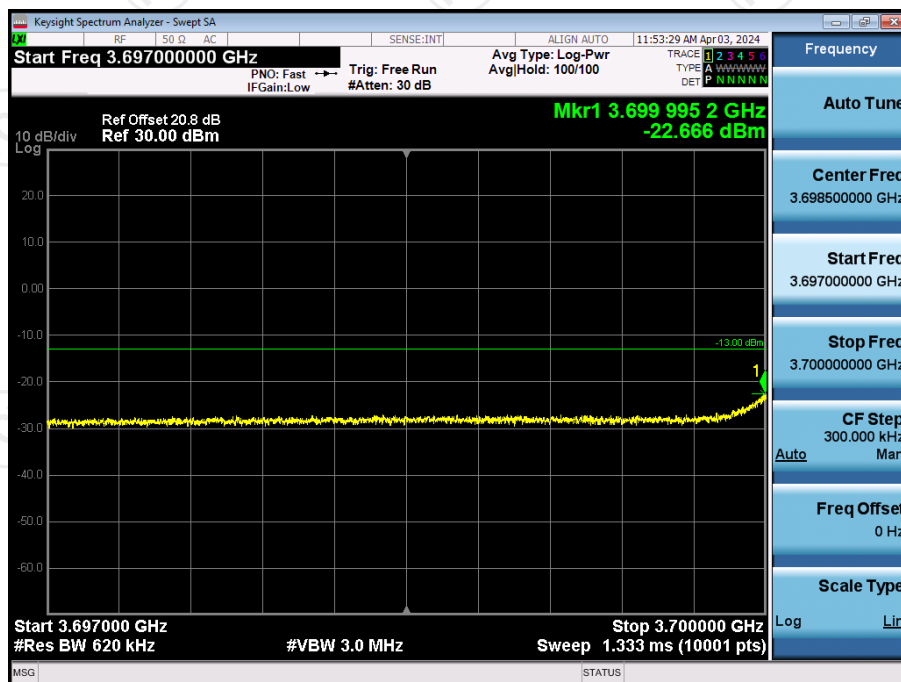
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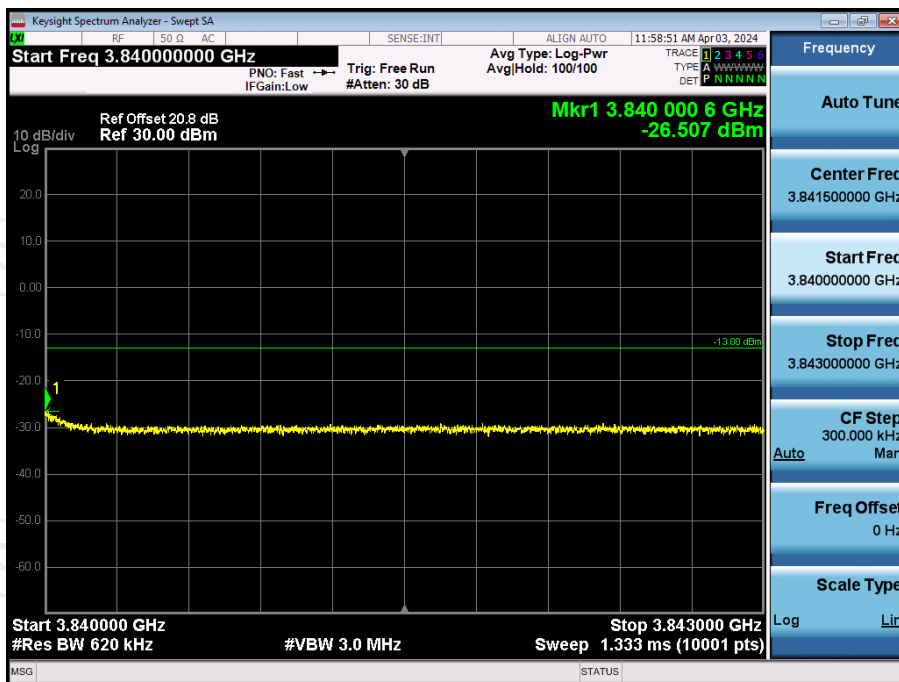
5G NR 60 MHz DL Left Side Pre AGC



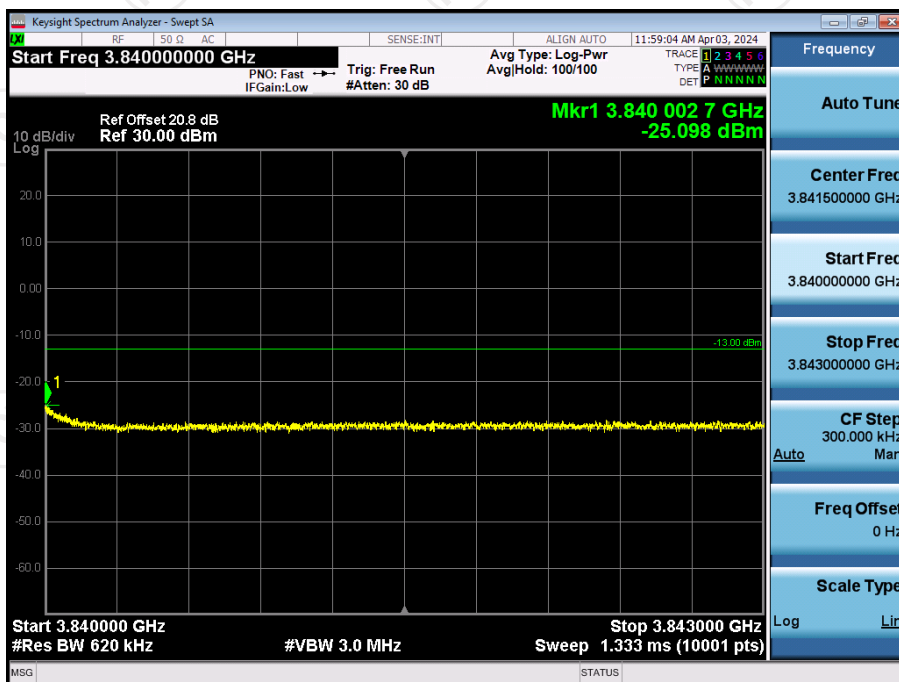
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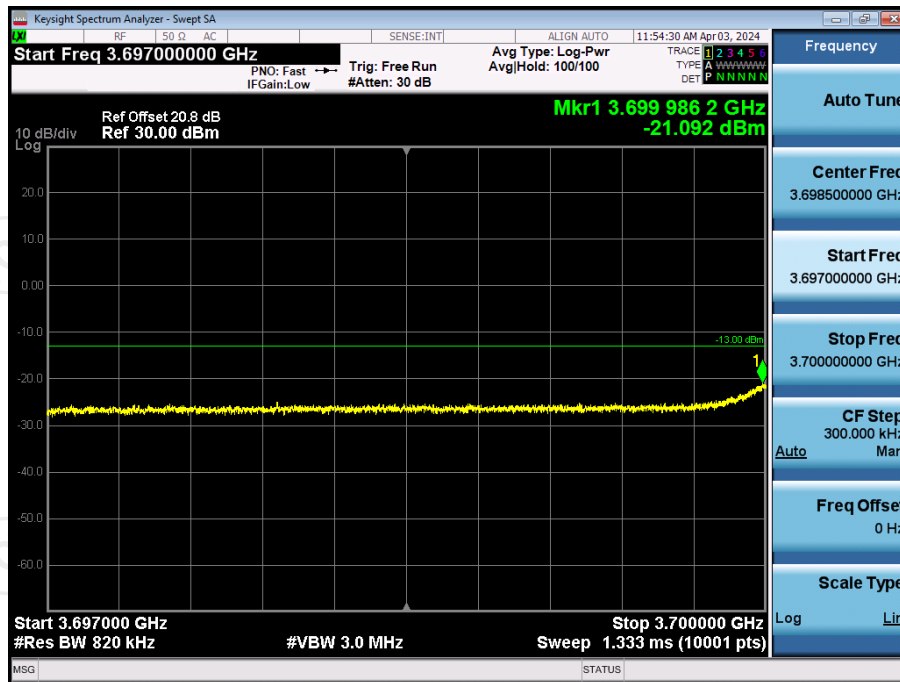
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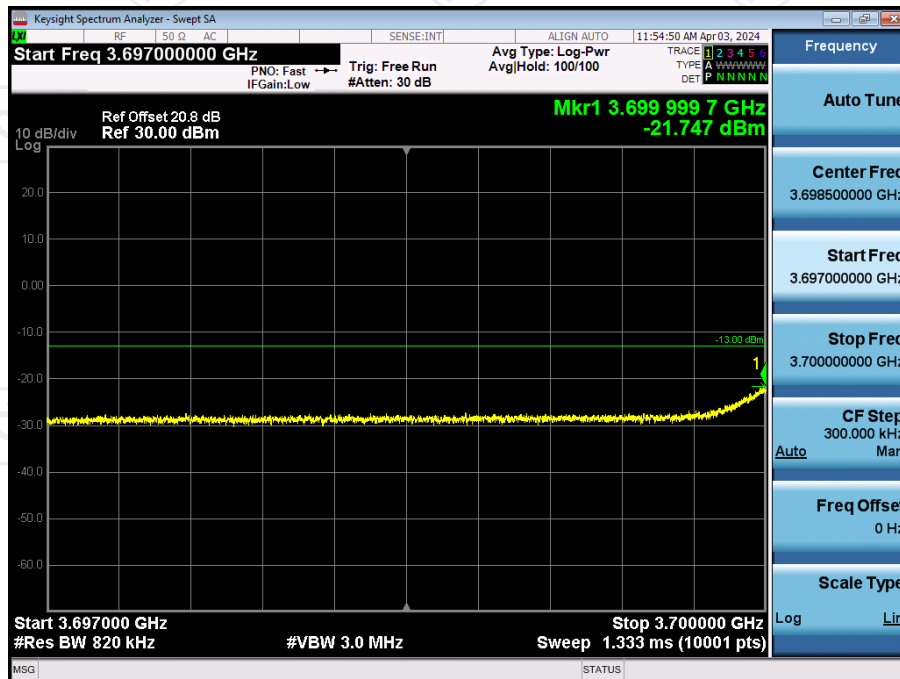
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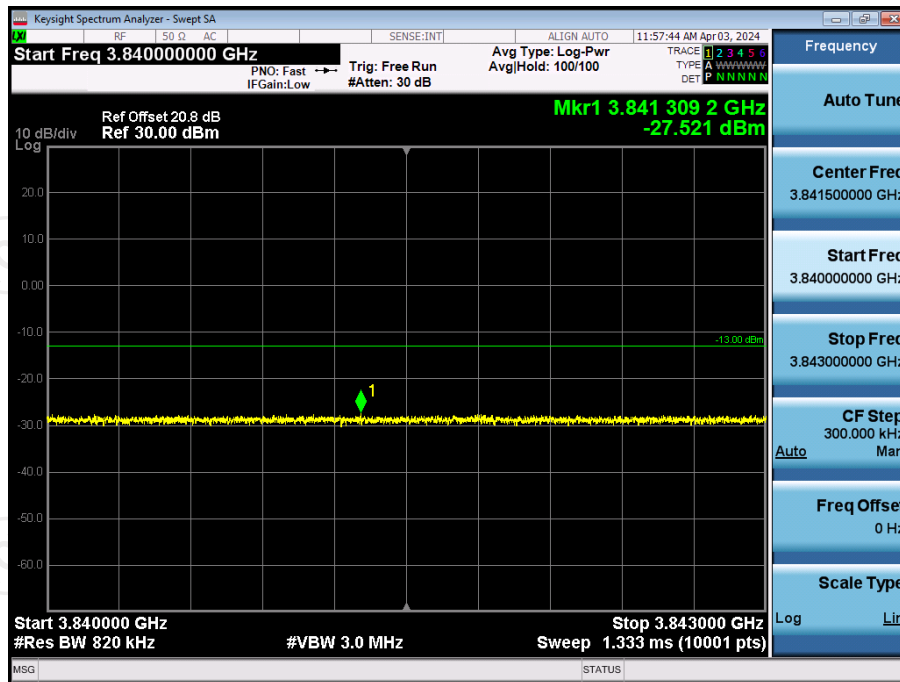
5G NR 80 MHz DL Left Side Pre AGC



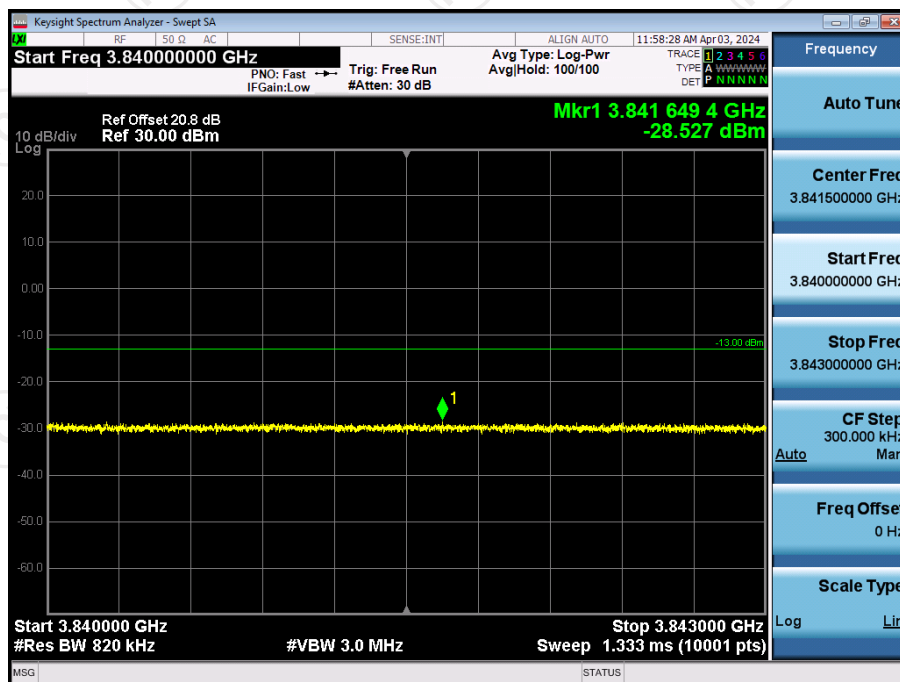
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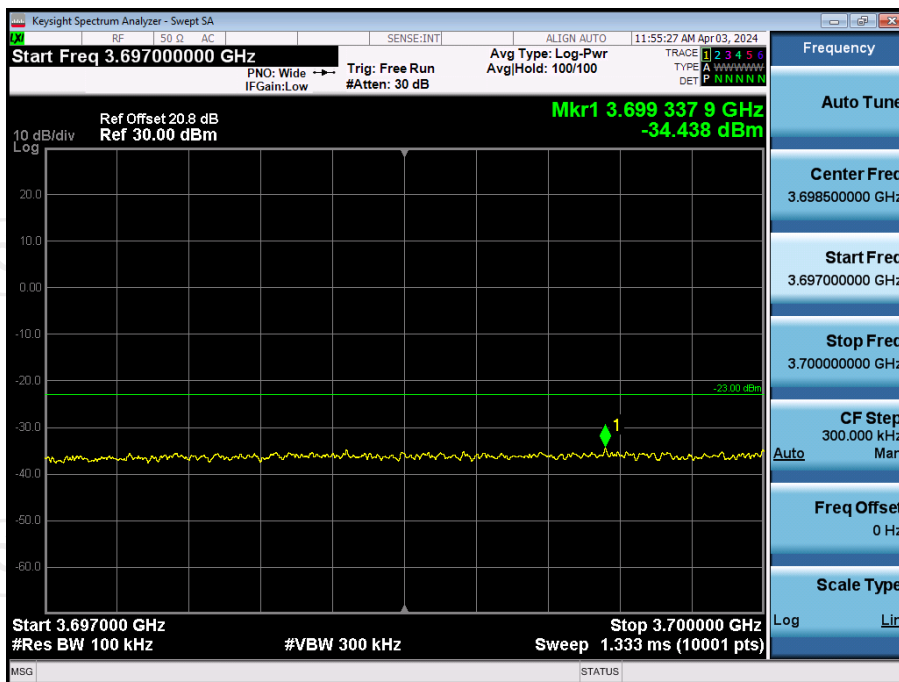
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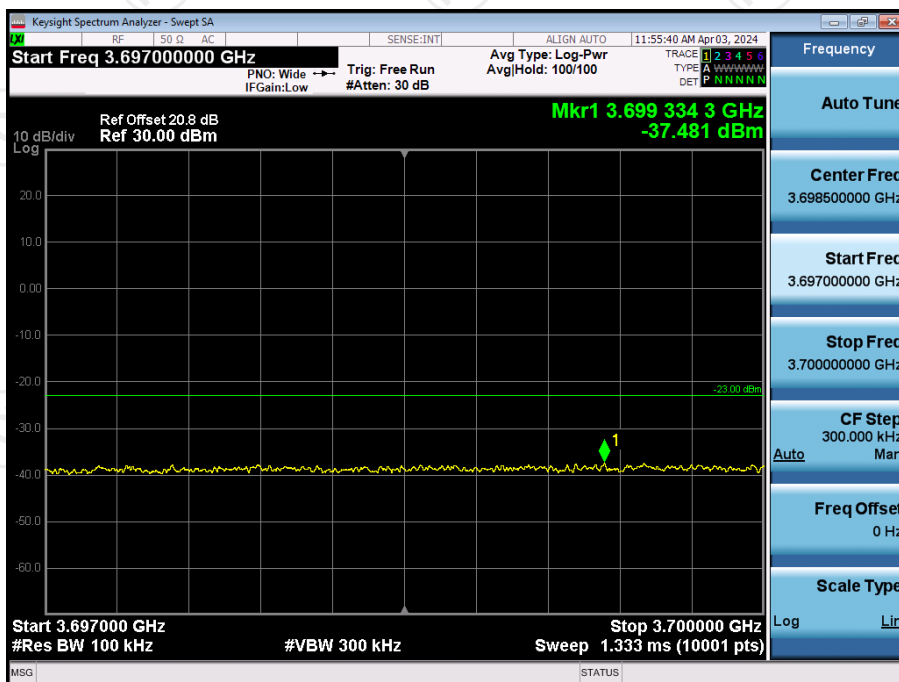
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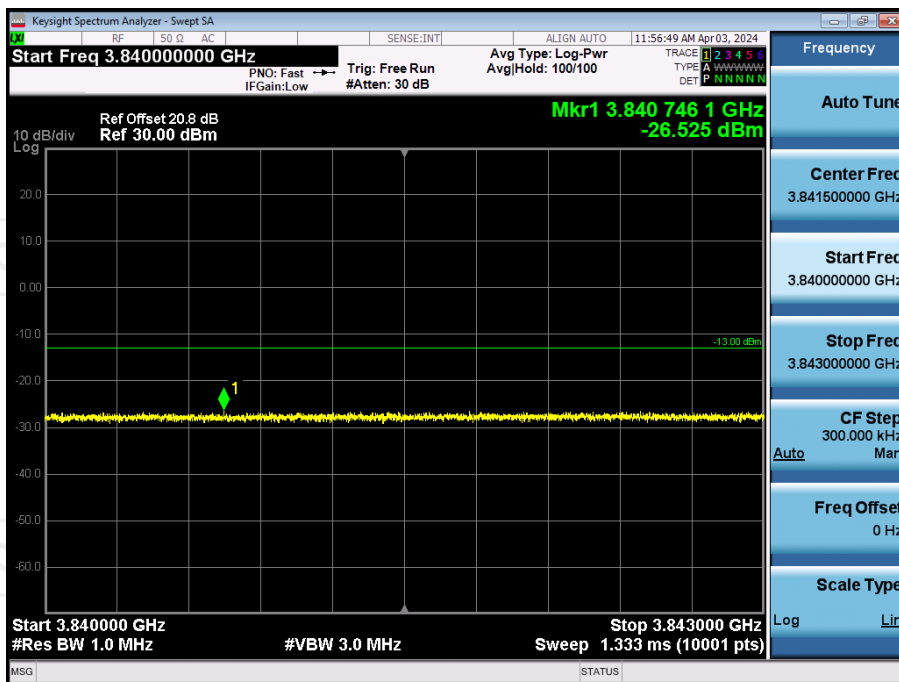
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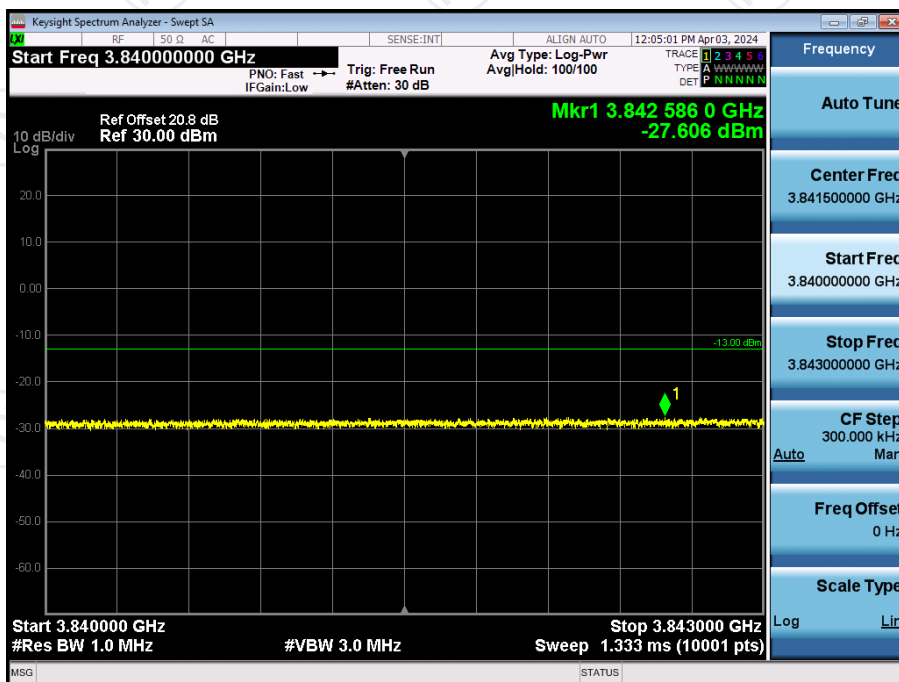
5G NR 100 MHz DL Left Side Pre AGC + 3 dB



5G NR 100 MHz DL Right Side Pre AGC

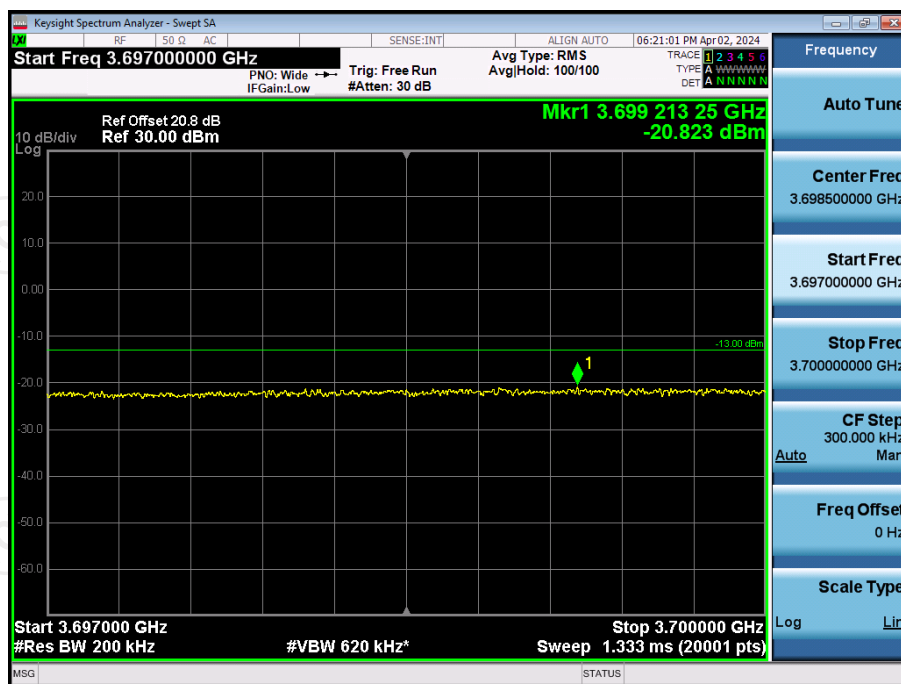


5G NR 100 MHz DL Right Side Pre AGC + 3 dB

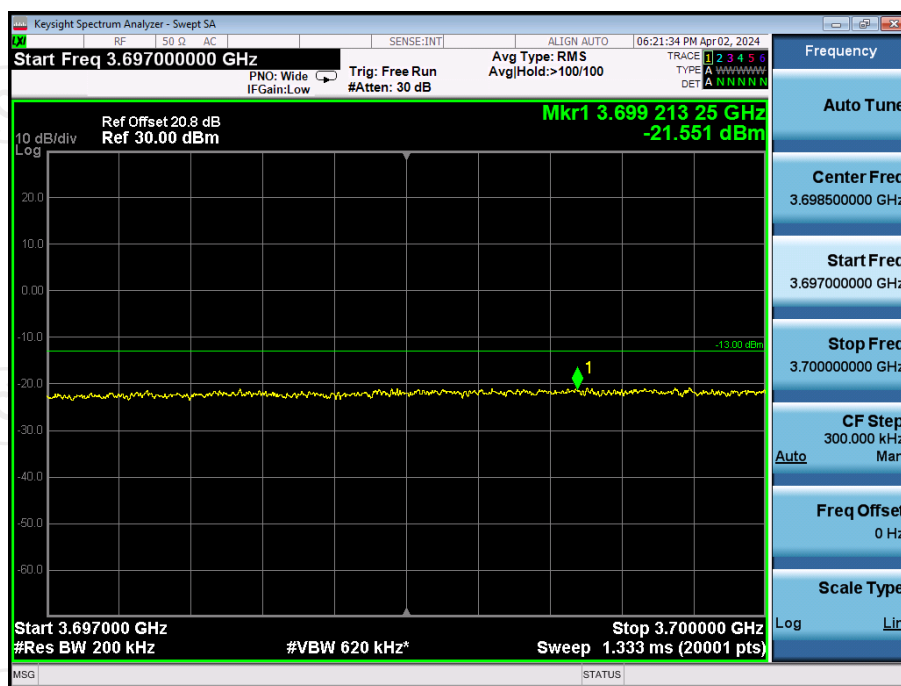


Path2 Sub-Band Mode Two Adjacent Signal

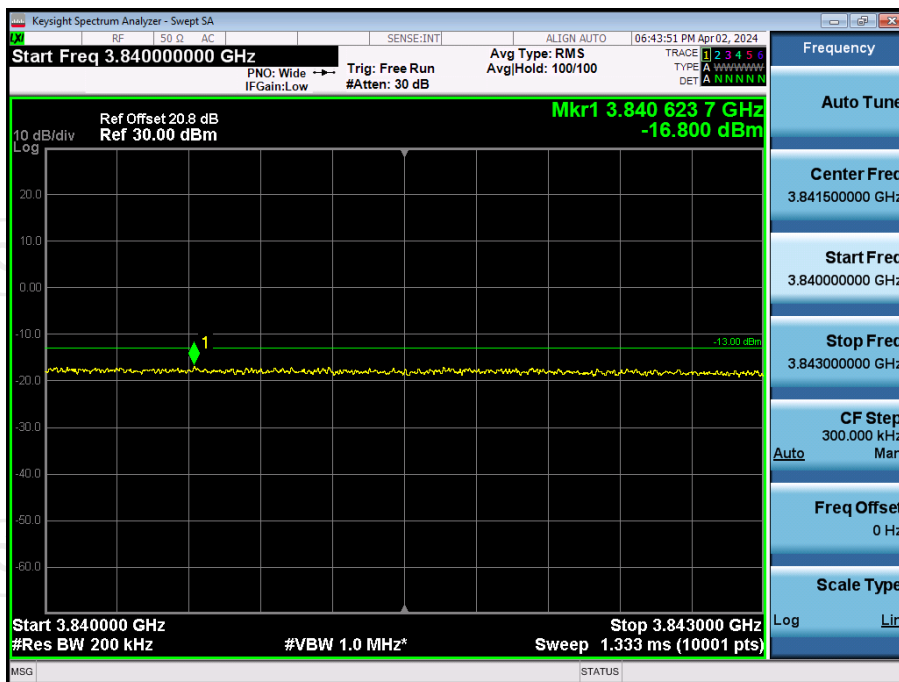
5G NR 20 MHz UL Left Side Pre AGC



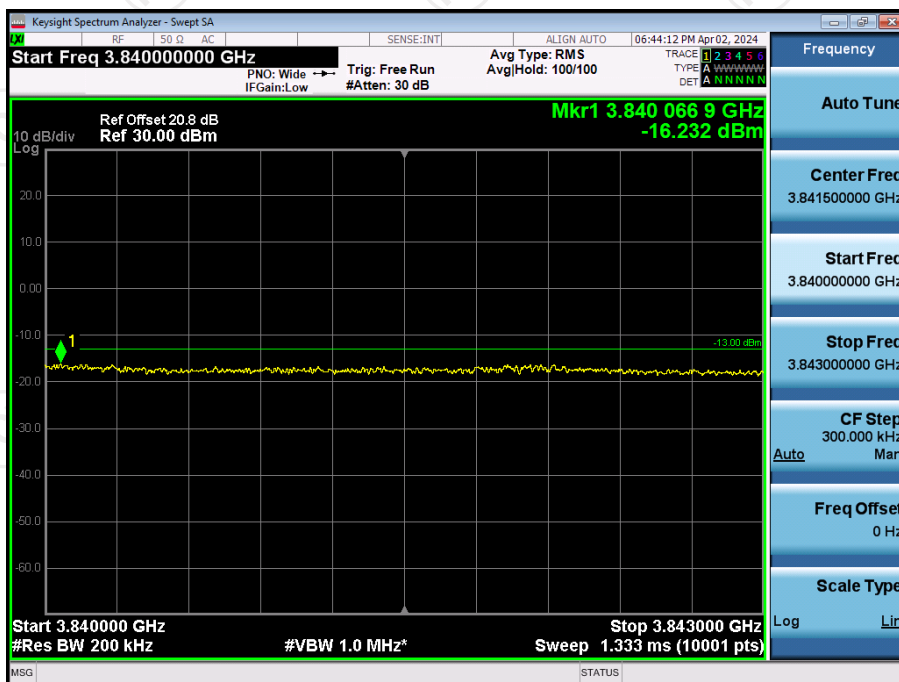
5G NR 20 MHz UL Left Side Pre AGC + 3 dB



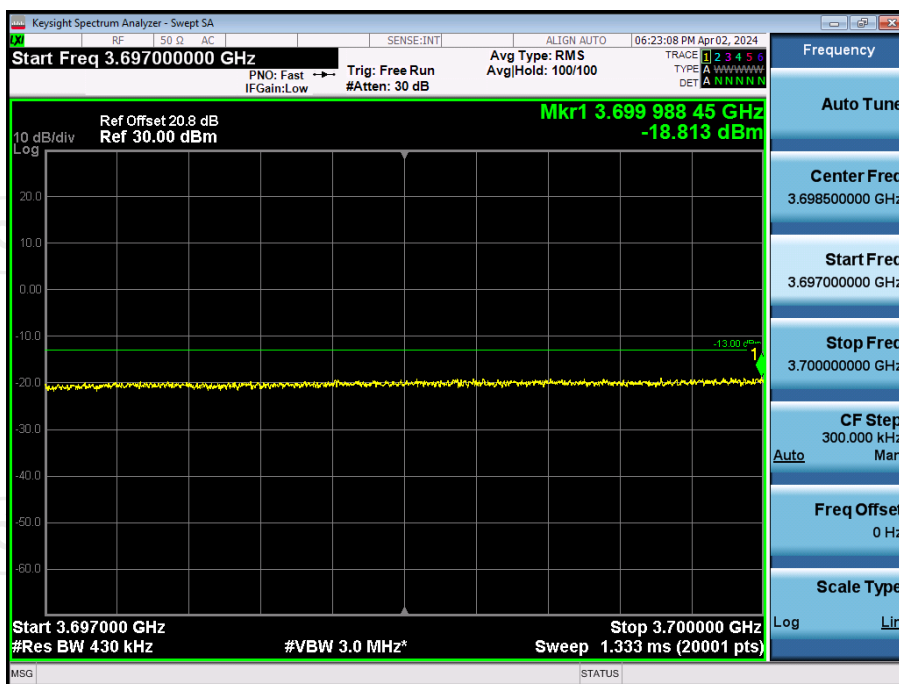
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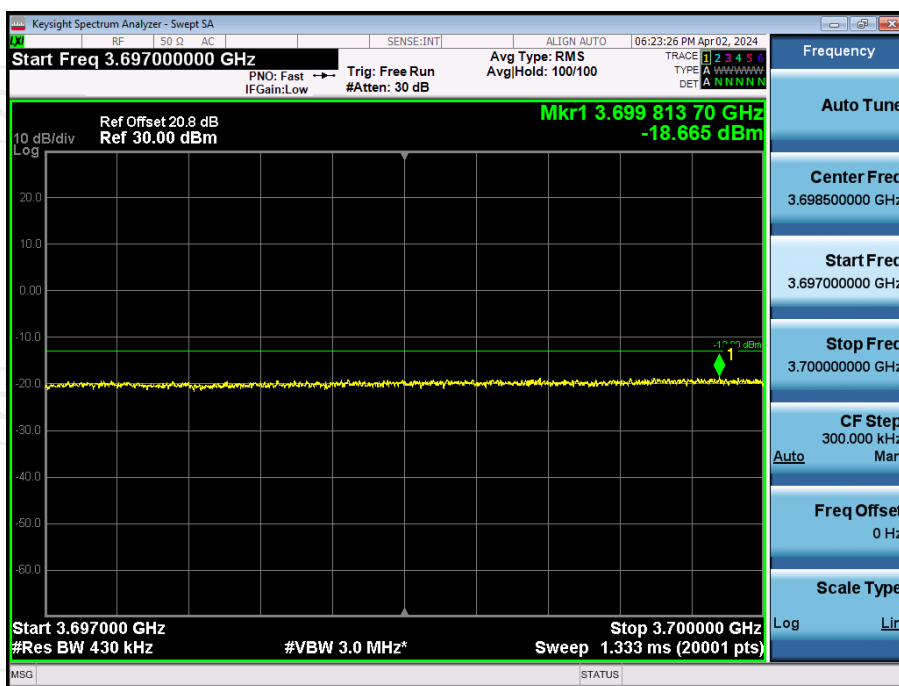
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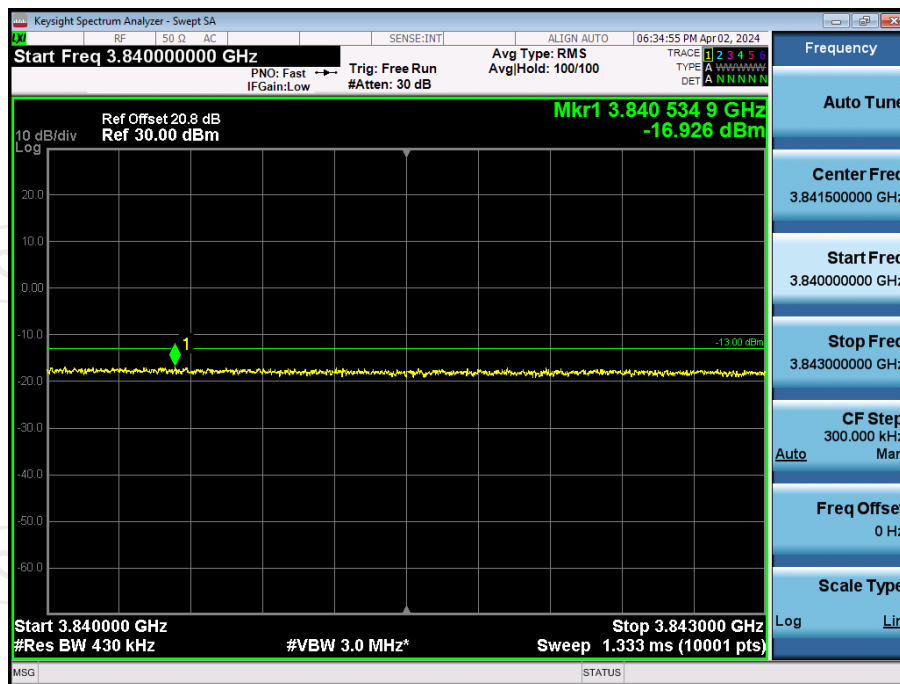
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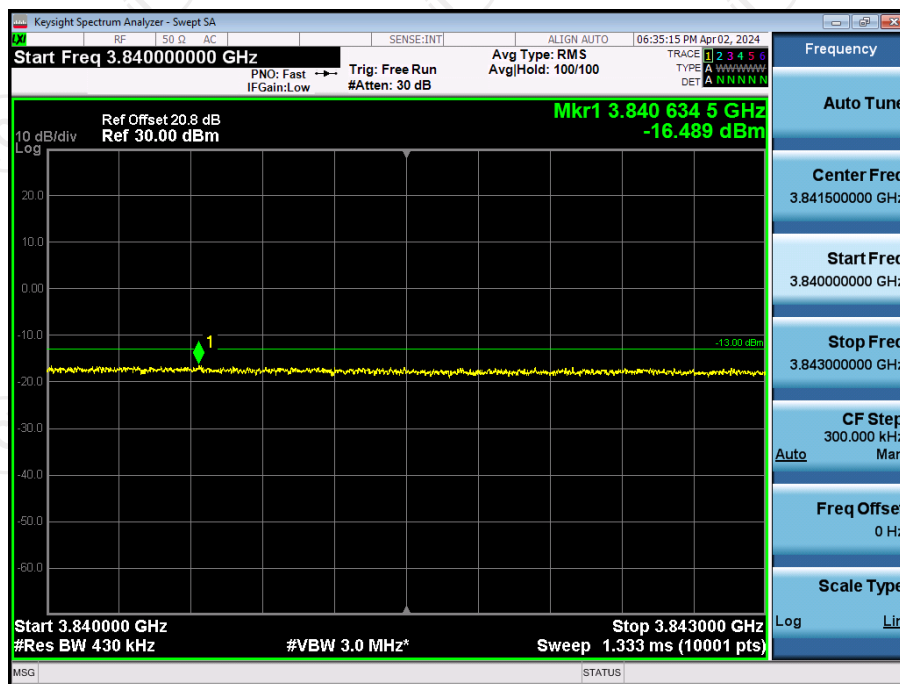
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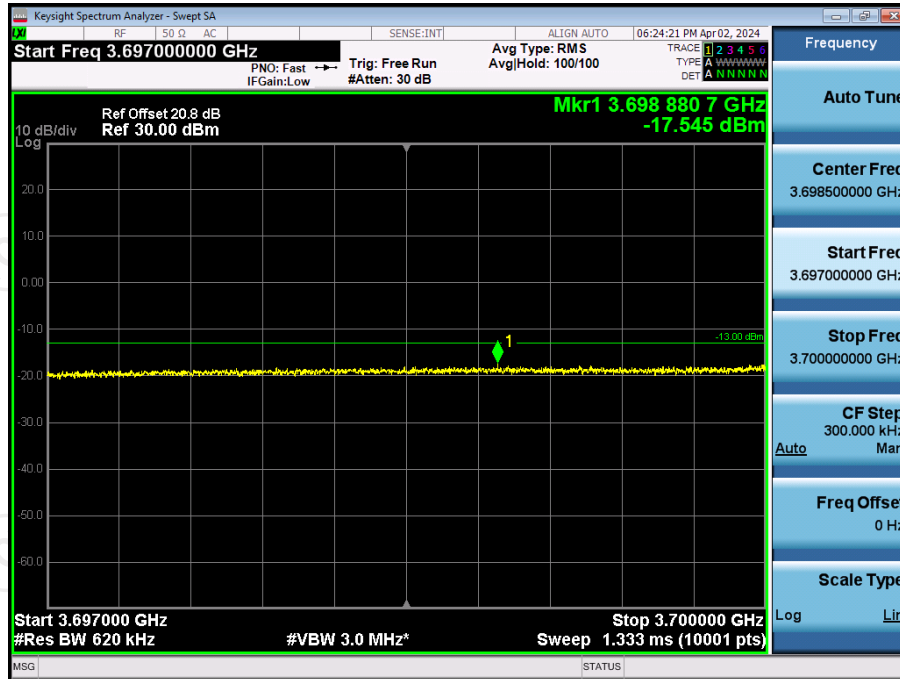
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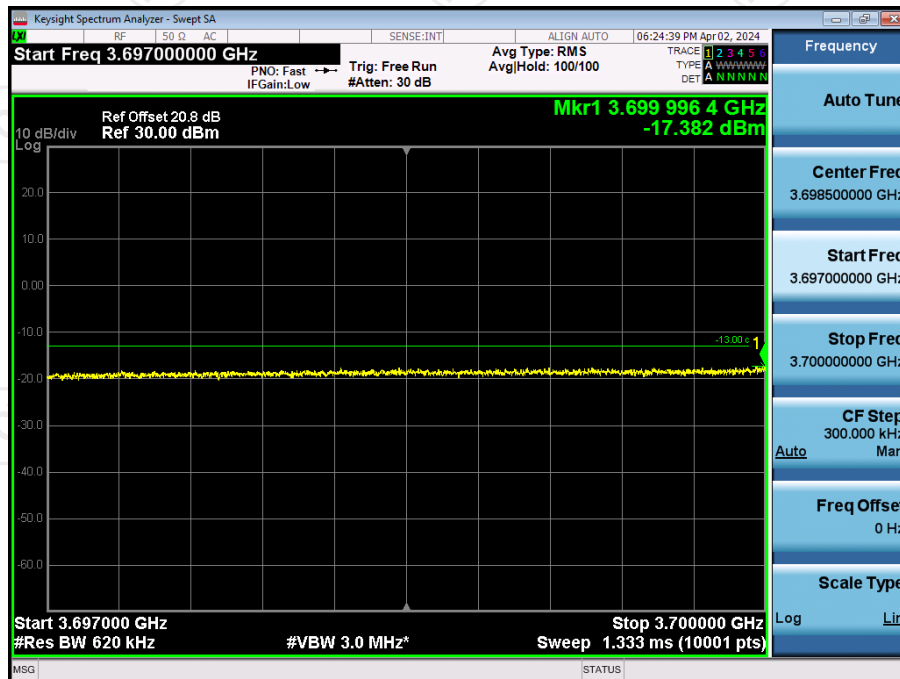
5G NR 40 MHz UL Right Side Pre AGC + 3 dB



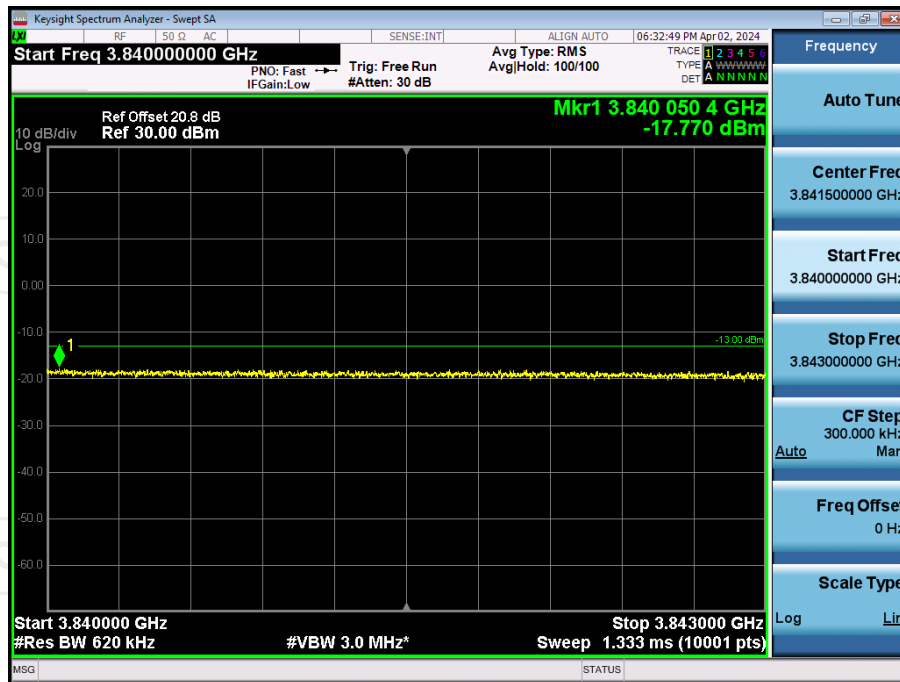
5G NR 60 MHz UL Left Side Pre AGC



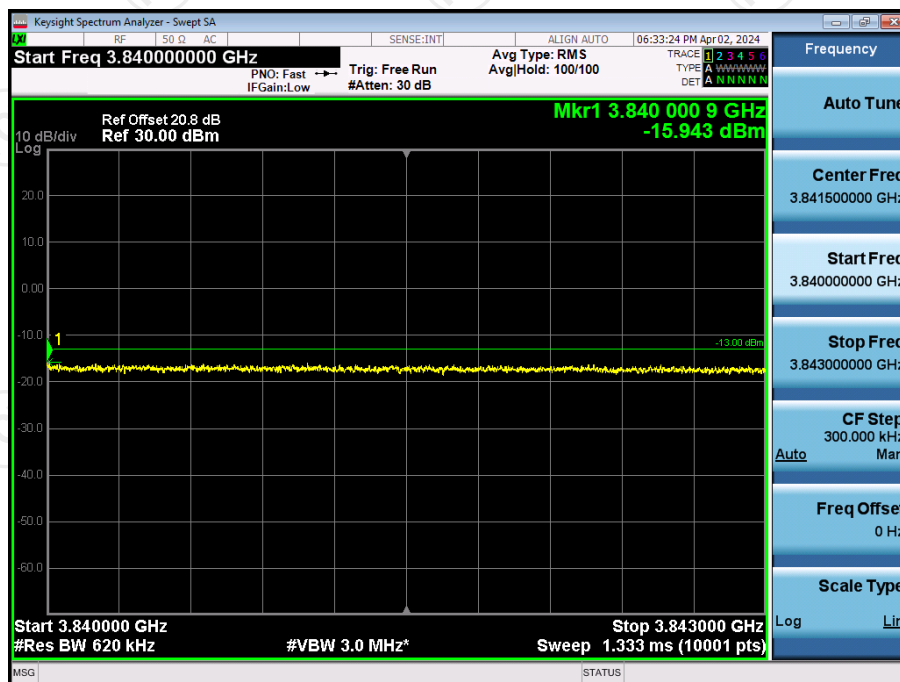
5G NR 60 MHz UL Left Side Pre AGC + 3 dB



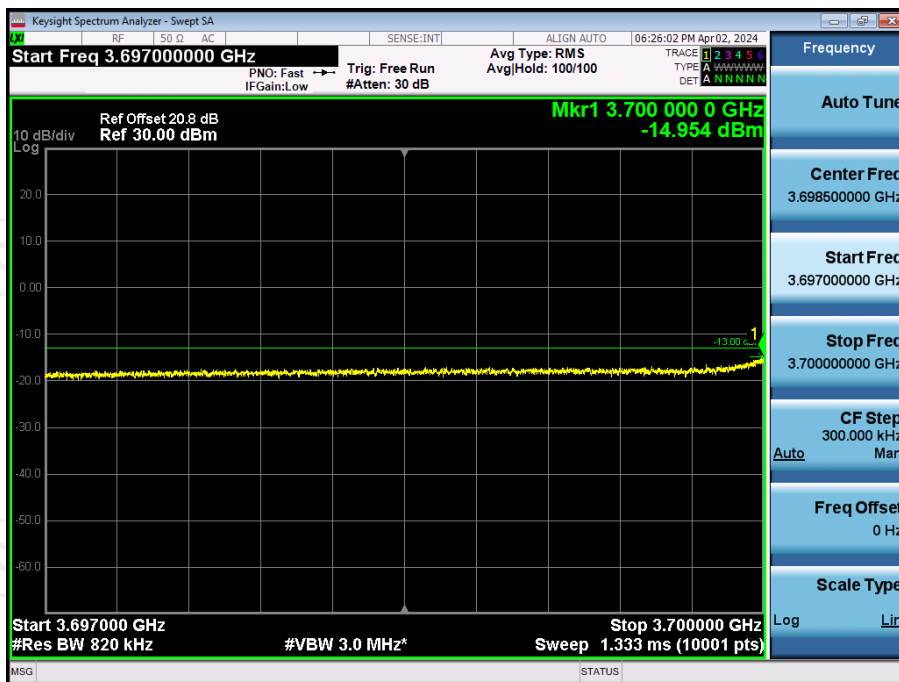
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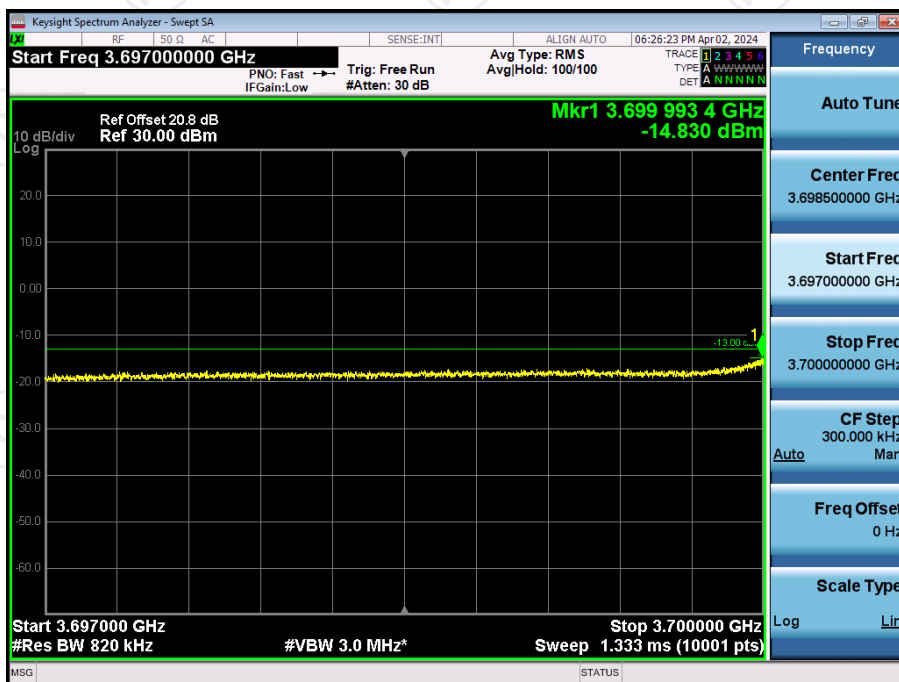
5G NR 60 MHz UL Right Side Pre AGC + 3 dB



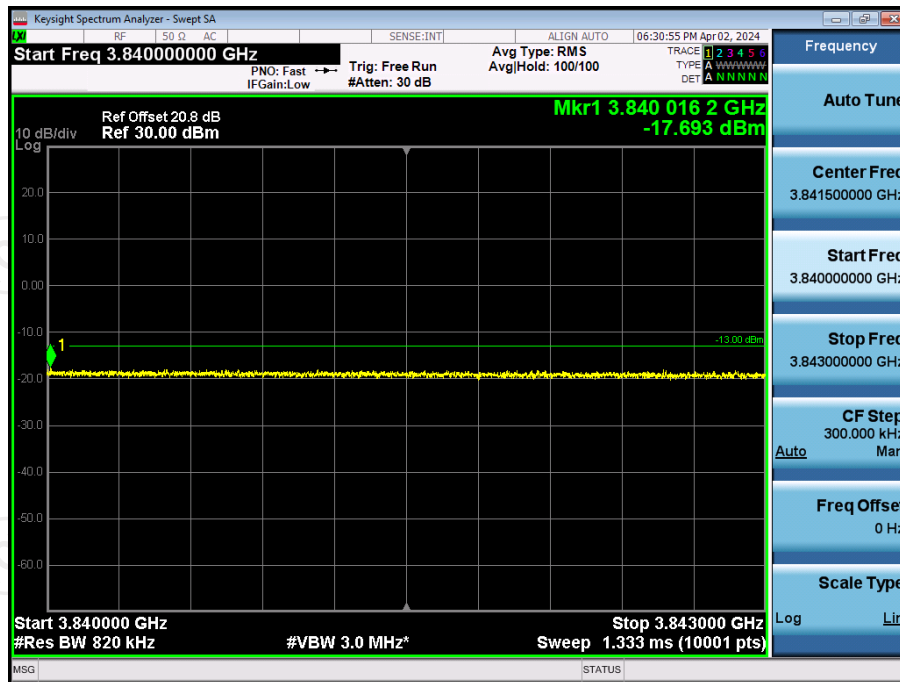
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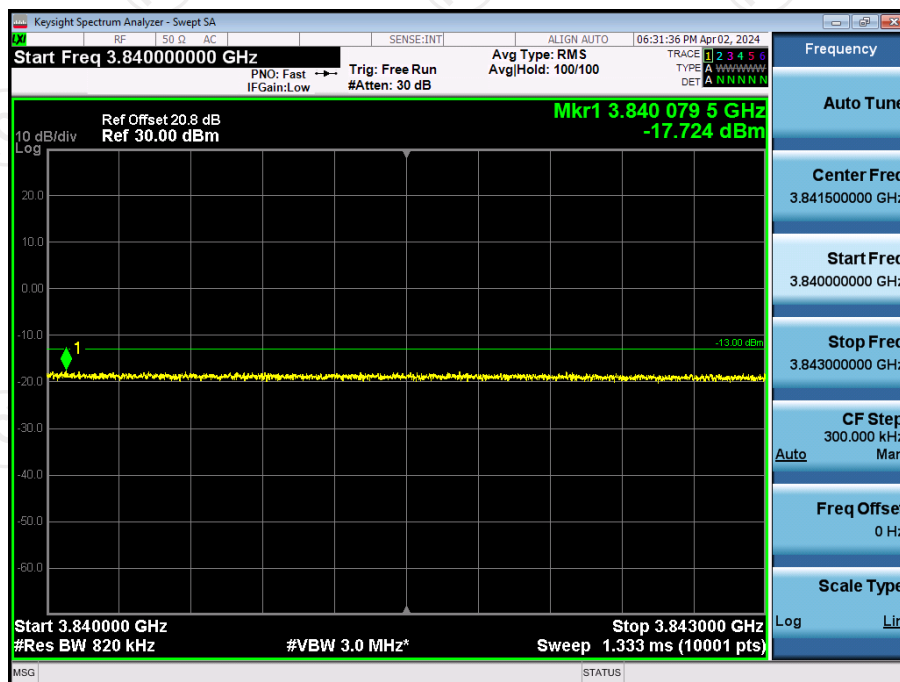
5G NR 80 MHz UL Left Side Pre AGC + 3 dB



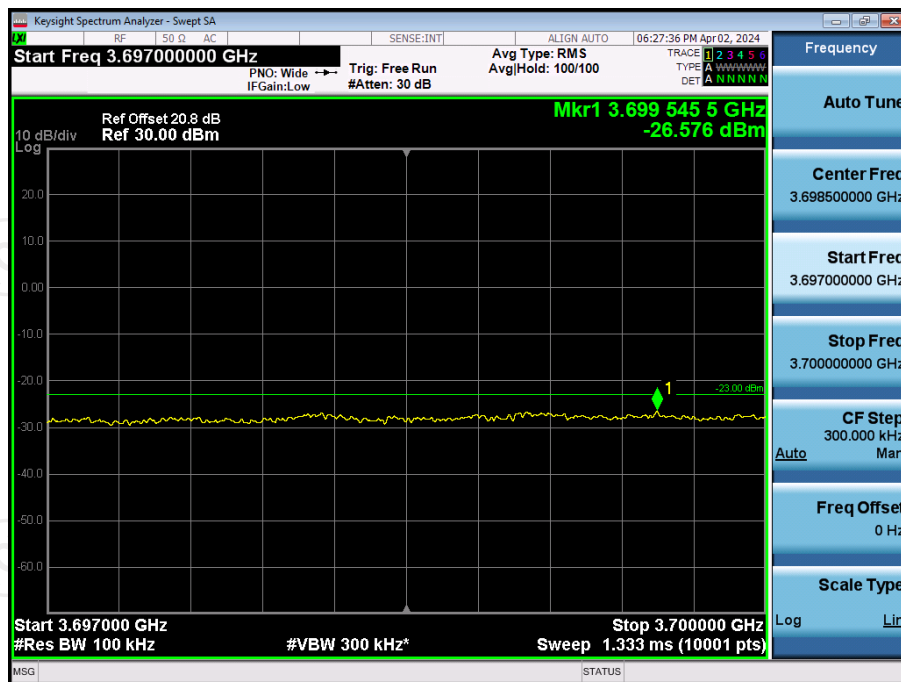
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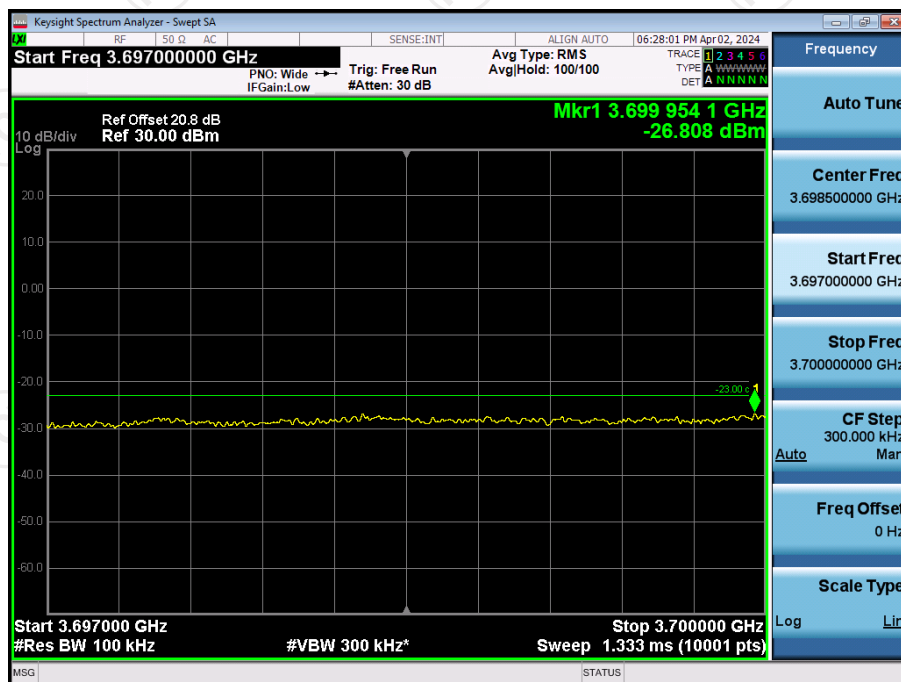
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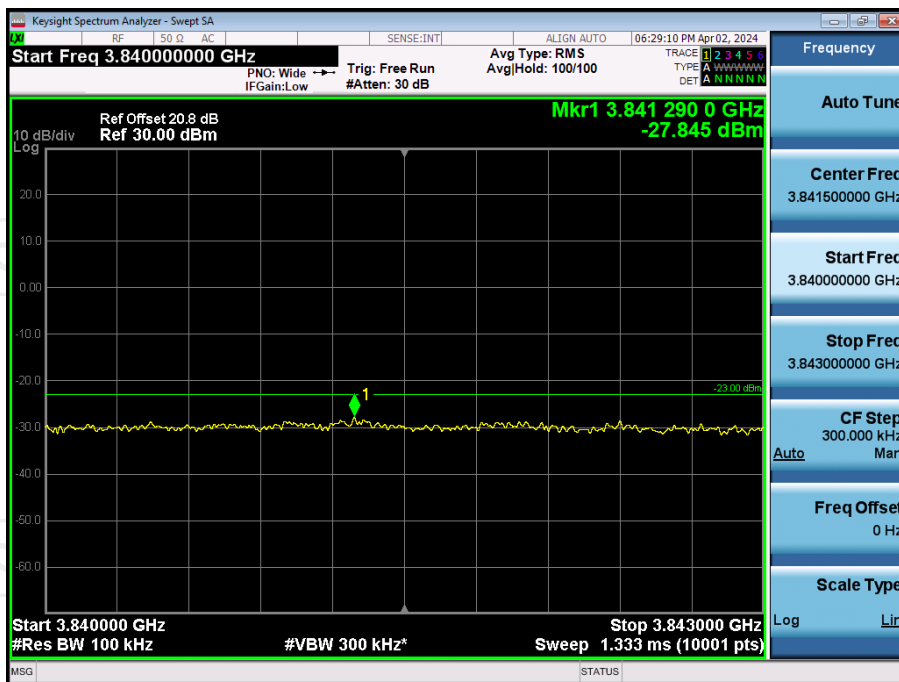
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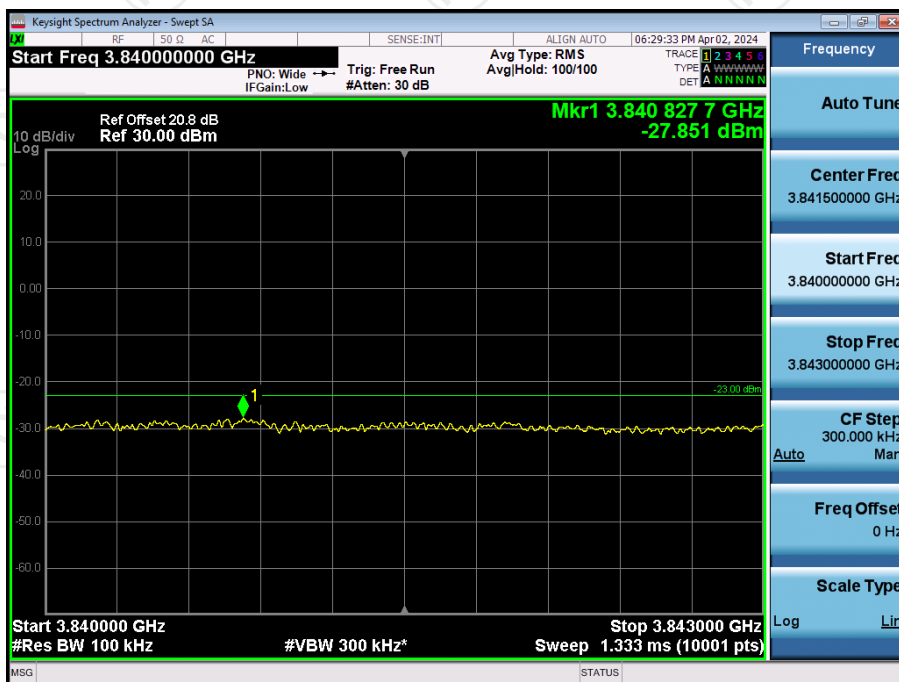
5G NR 100 MHz UL Left Side Pre AGC + 3 dB



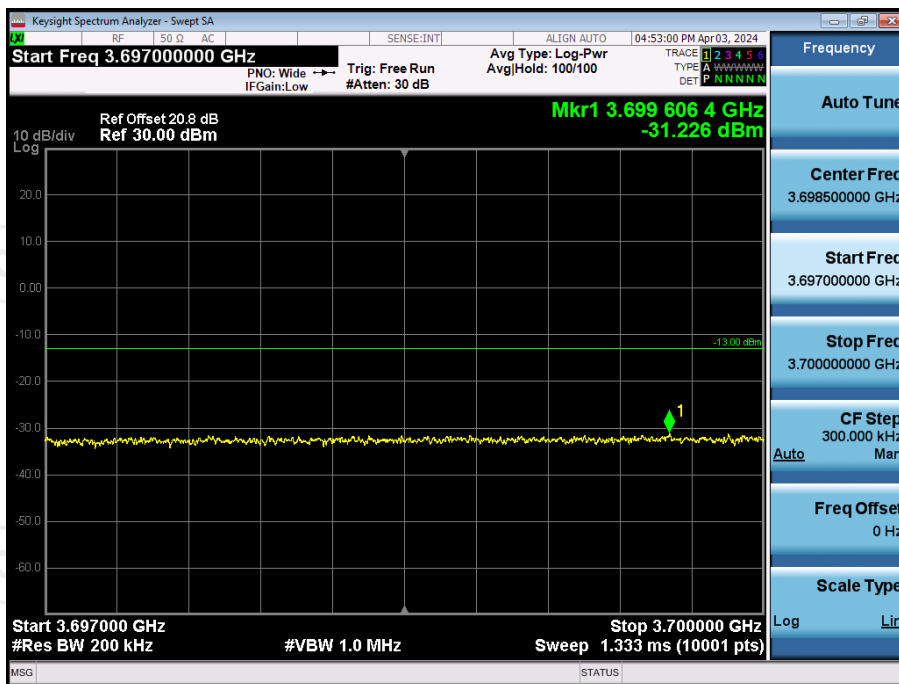
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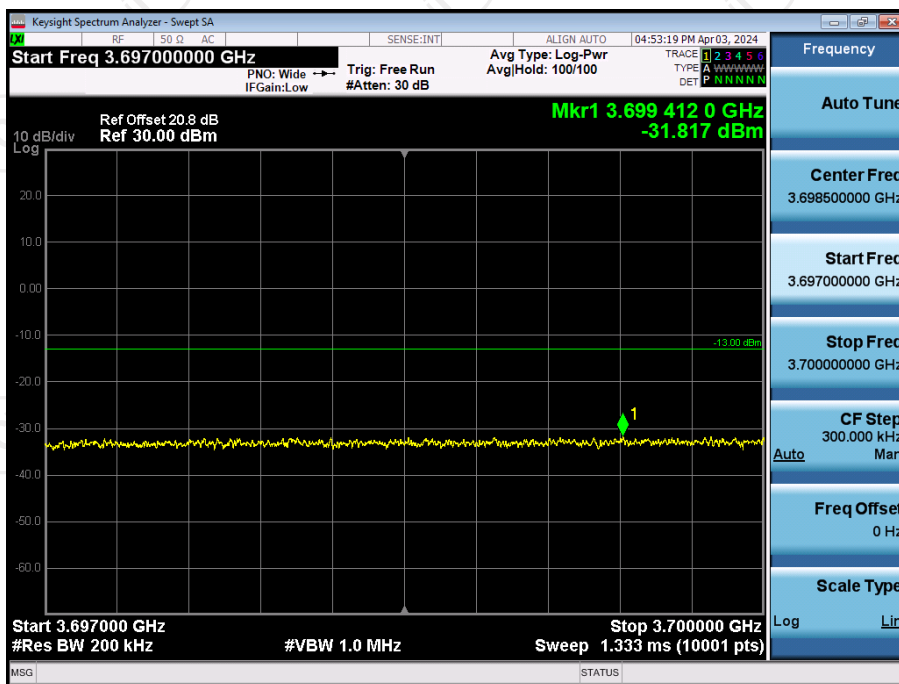
5G NR 100 MHz UL Right Side Pre AGC + 3 dB



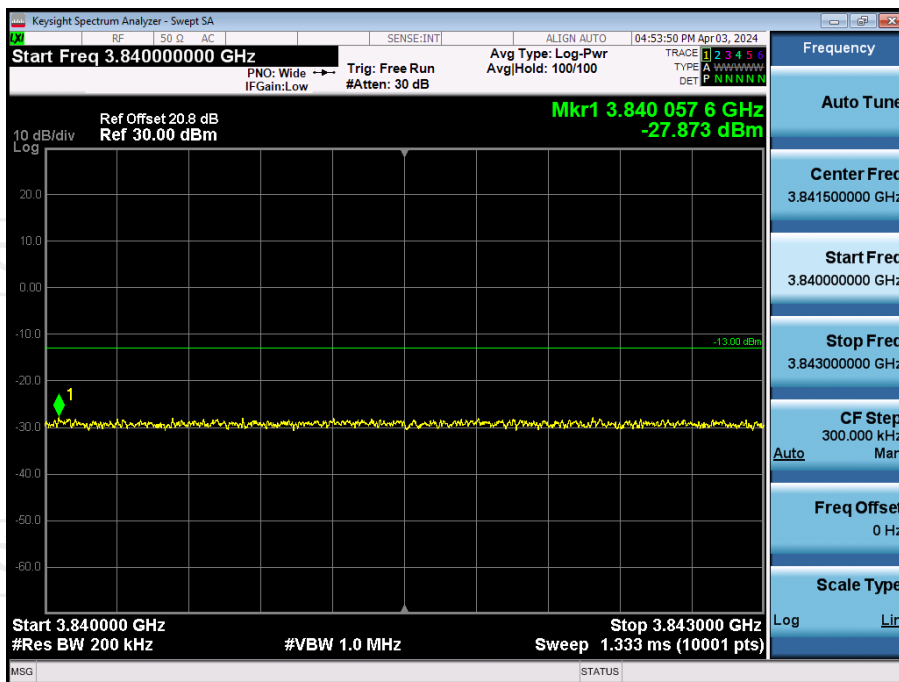
5G NR 20 MHz DL Left Side Pre AGC



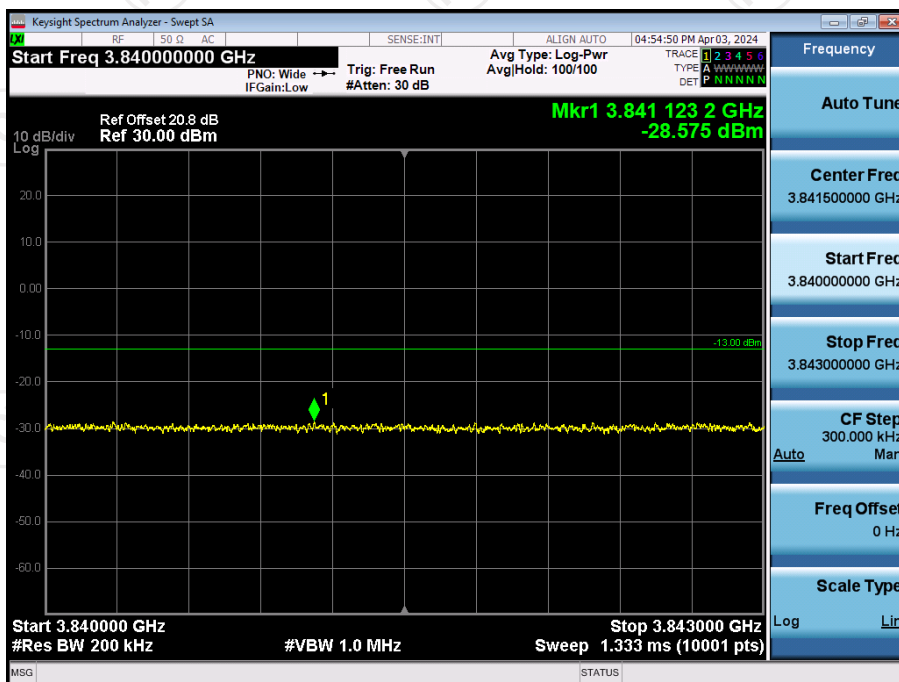
5G NR 20 MHz DL Left Side Pre AGC + 3 dB



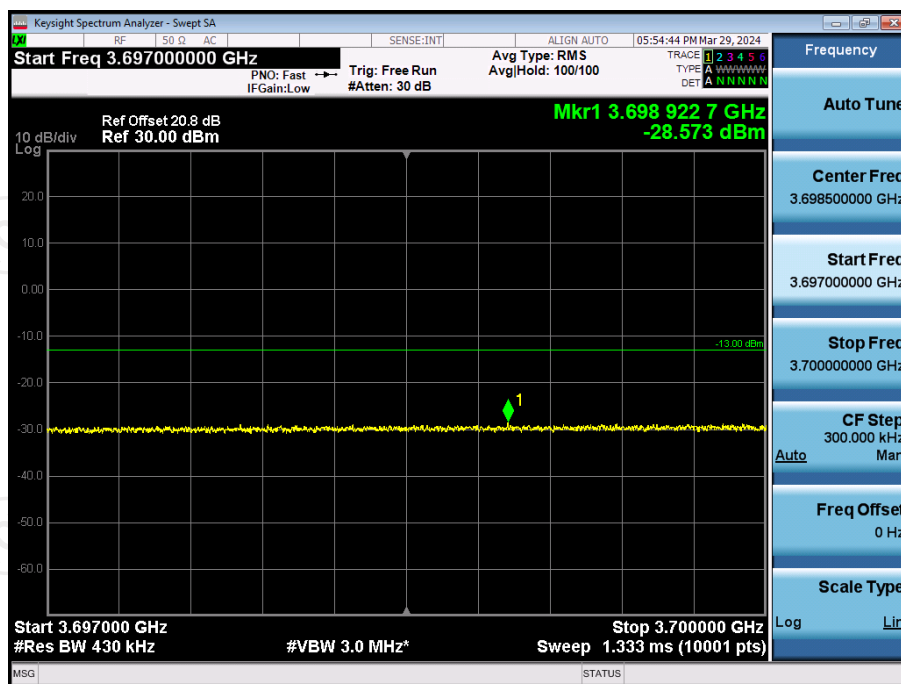
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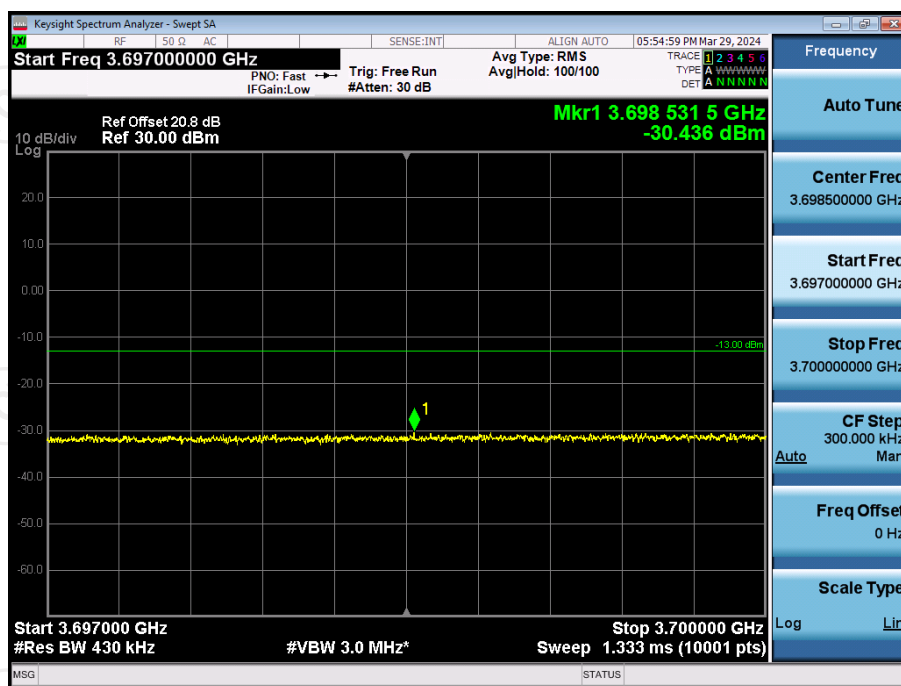
5G NR 20 MHz DL Right Side Pre AGC + 3 dB



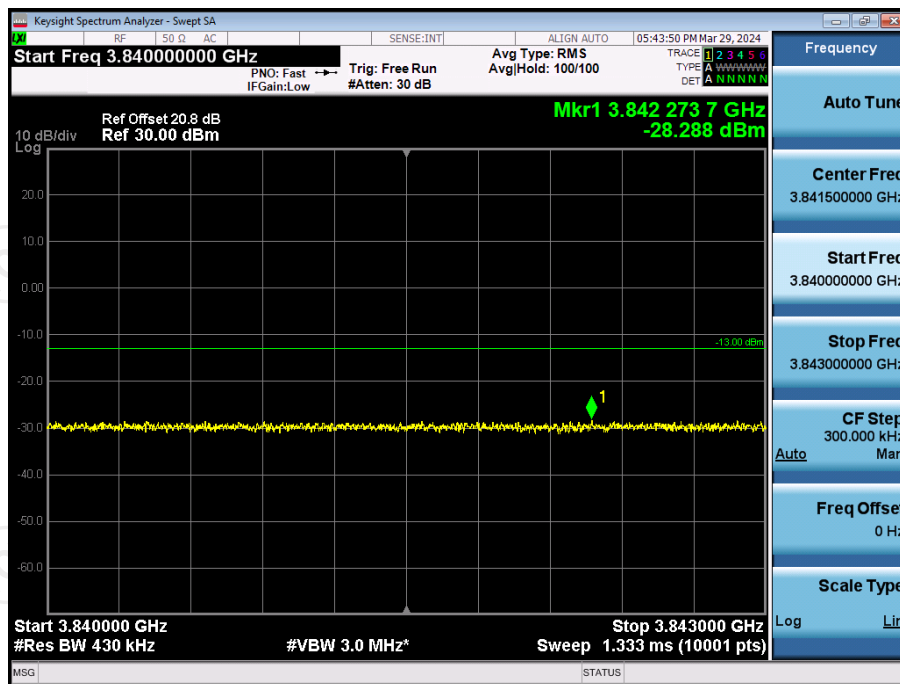
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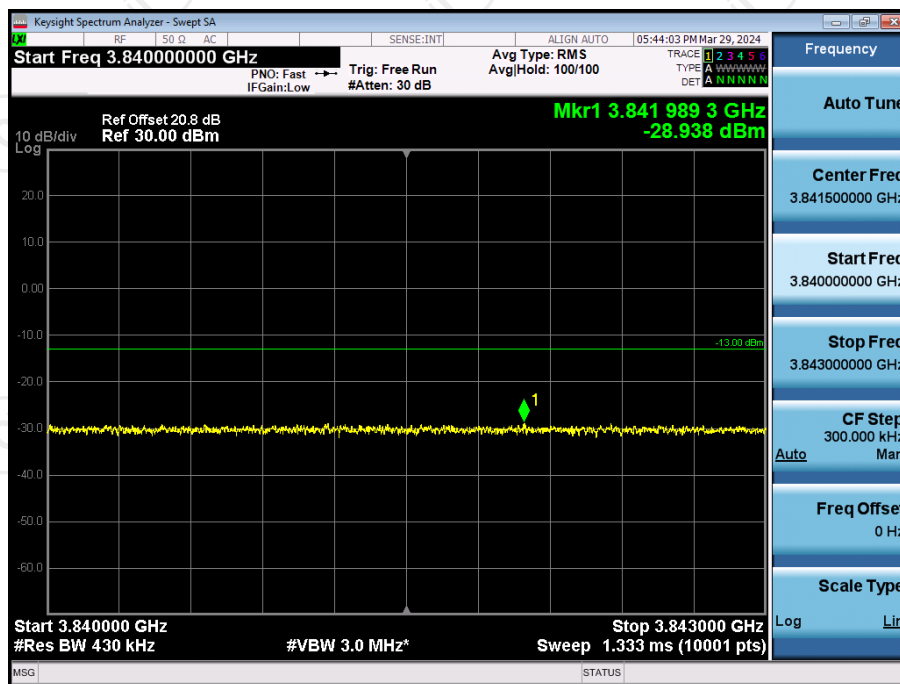
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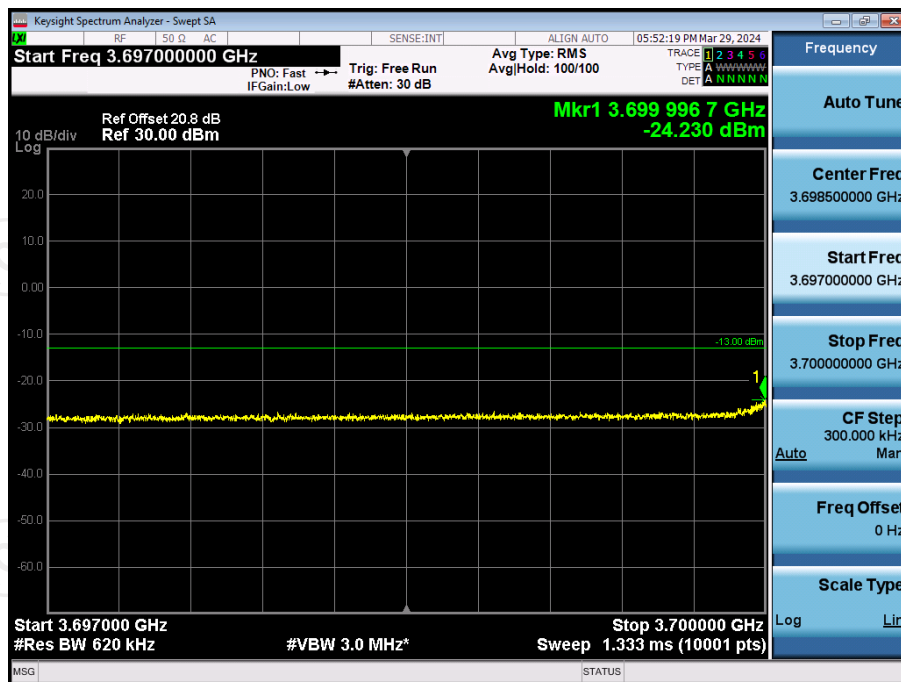
5G NR 40 MHz DL Right Side Pre AGC



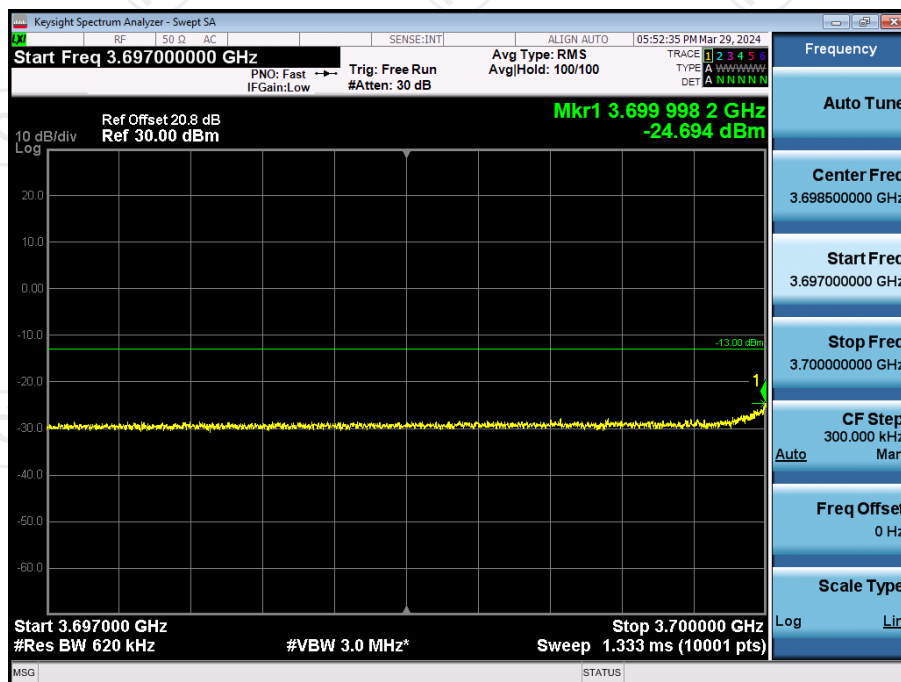
5G NR 40 MHz DL Right Side Pre AGC + 3 dB



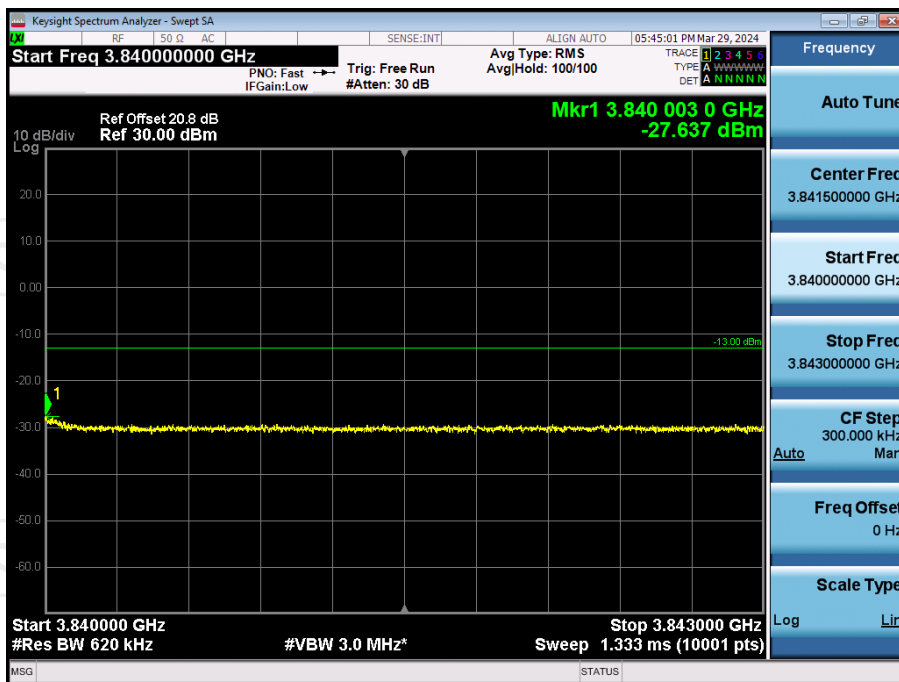
5G NR 60 MHz DL Left Side Pre AGC



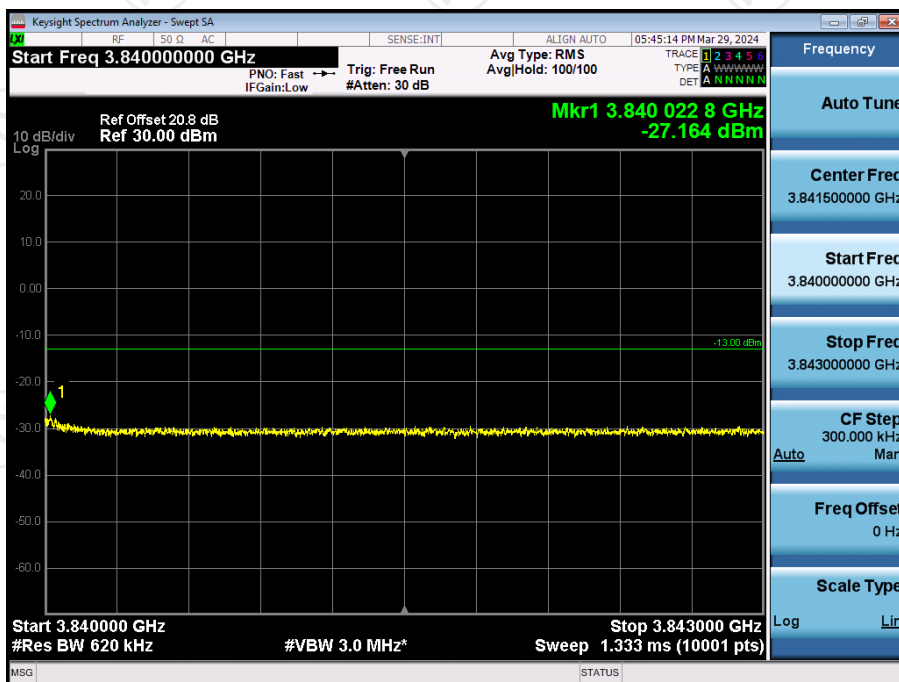
5G NR 60 MHz DL Left Side Pre AGC + 3 dB



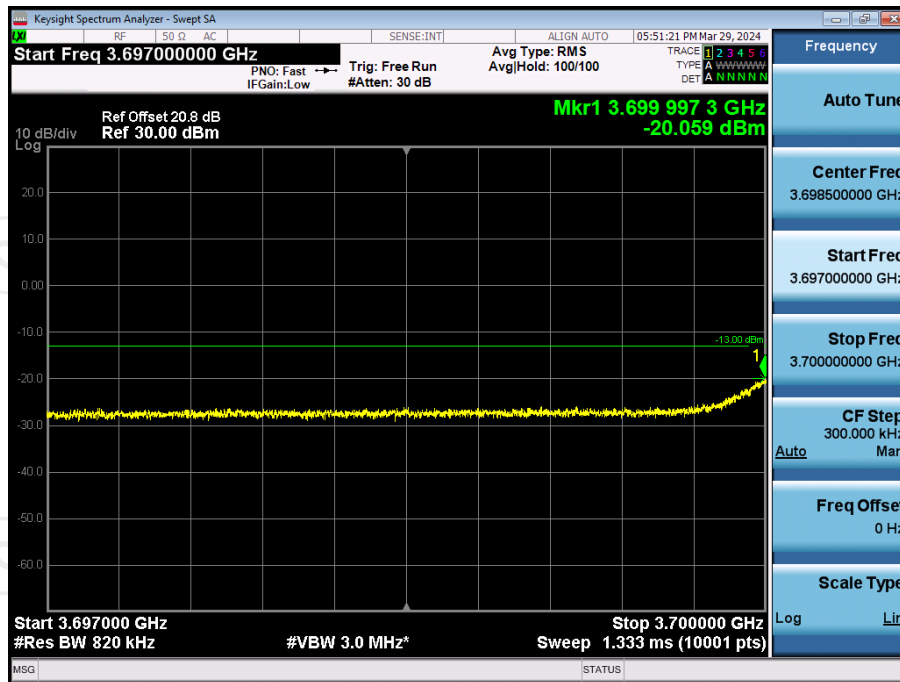
5G NR 60 MHz DL Right Side Pre AGC



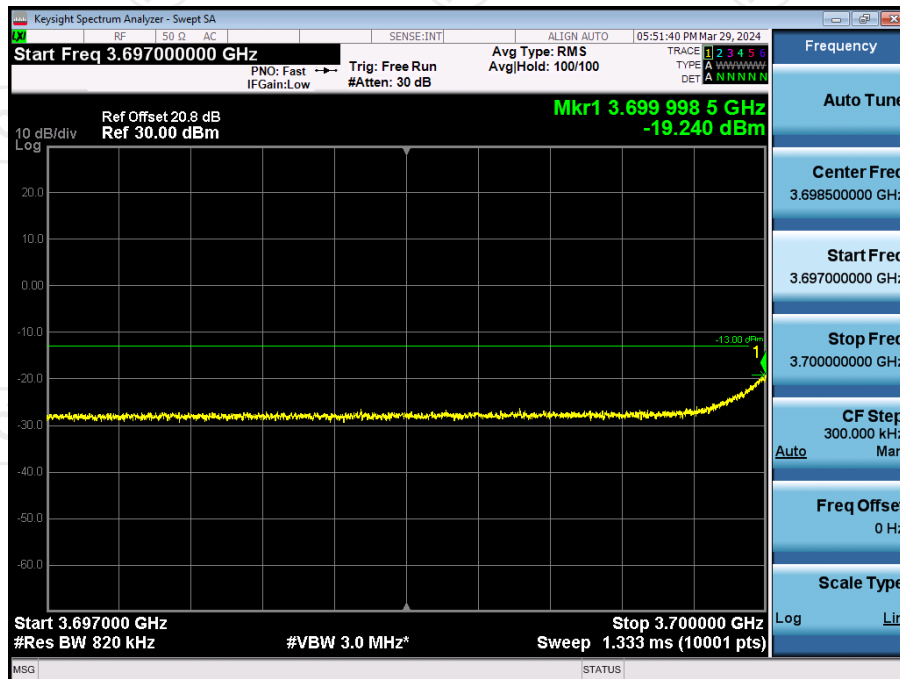
5G NR 60 MHz DL Right Side Pre AGC + 3 dB



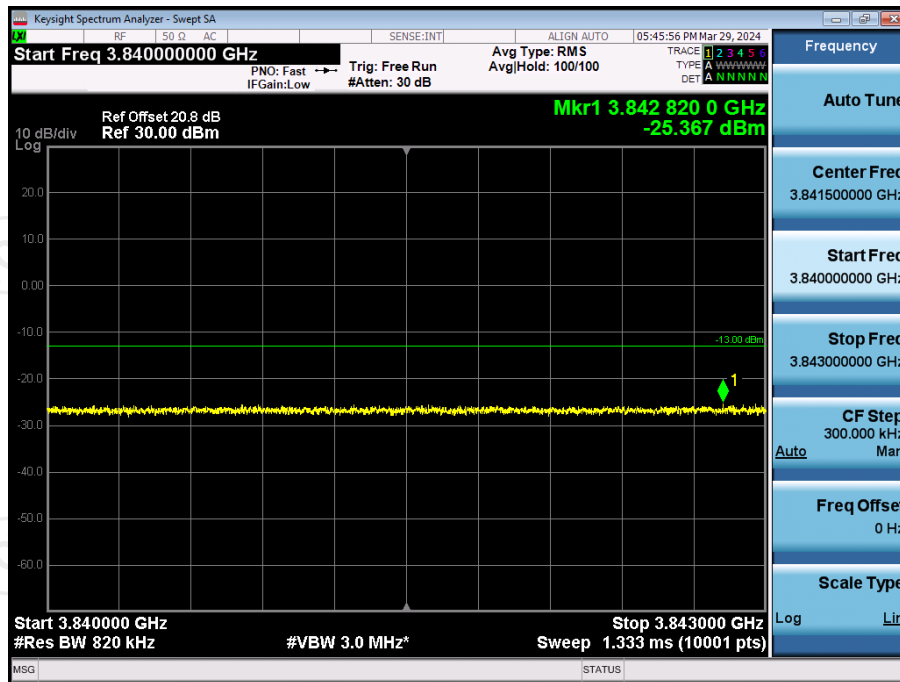
5G NR 80 MHz DL Left Side Pre AGC



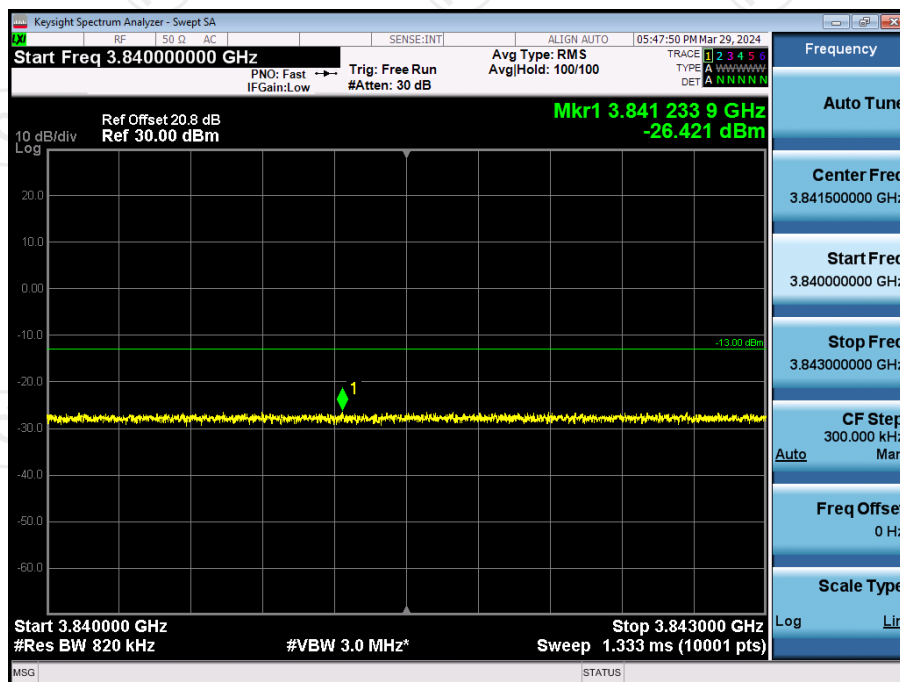
5G NR 80 MHz DL Left Side Pre AGC + 3 dB



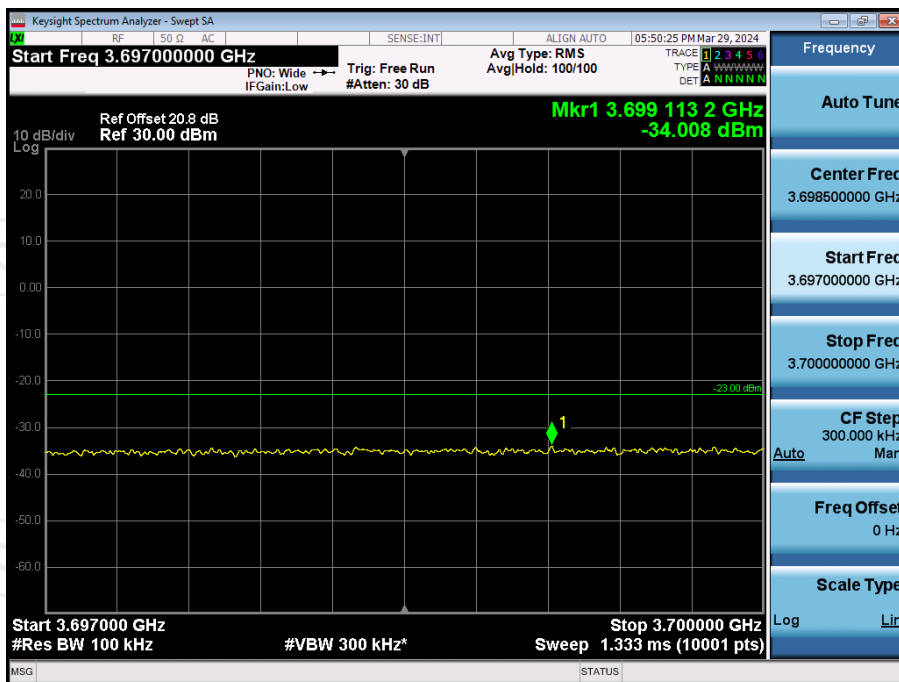
5G NR 80 MHz DL Right Side Pre AGC



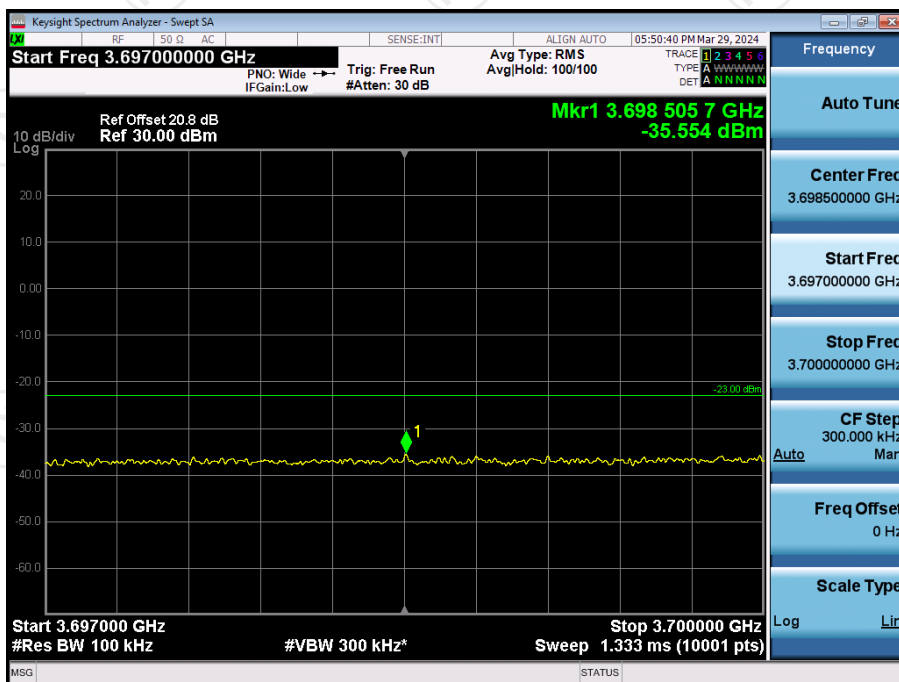
5G NR 80 MHz DL Right Side Pre AGC + 3 dB



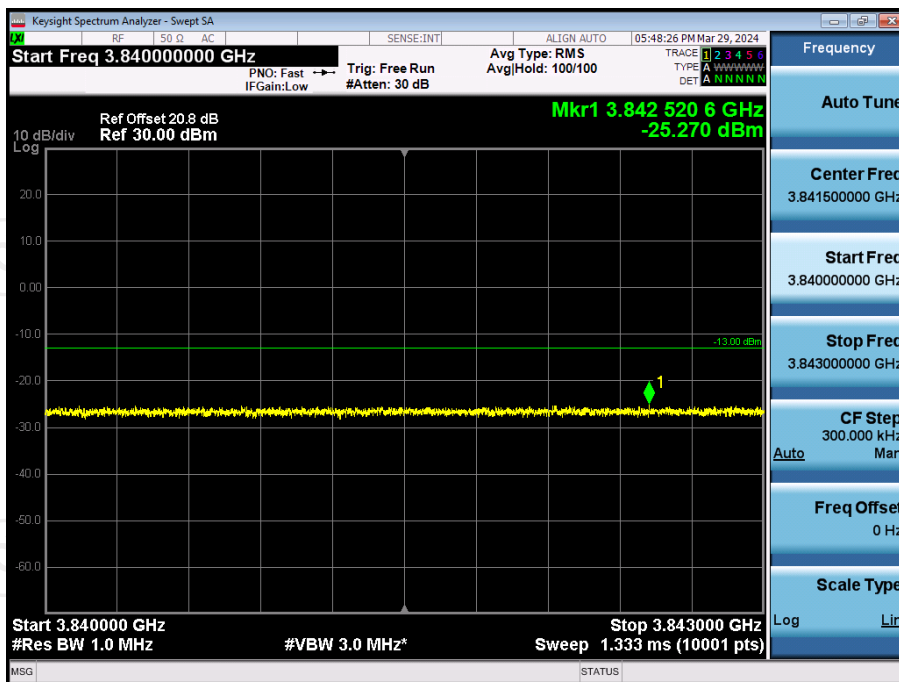
5G NR 100 MHz DL Left Side Pre AGC



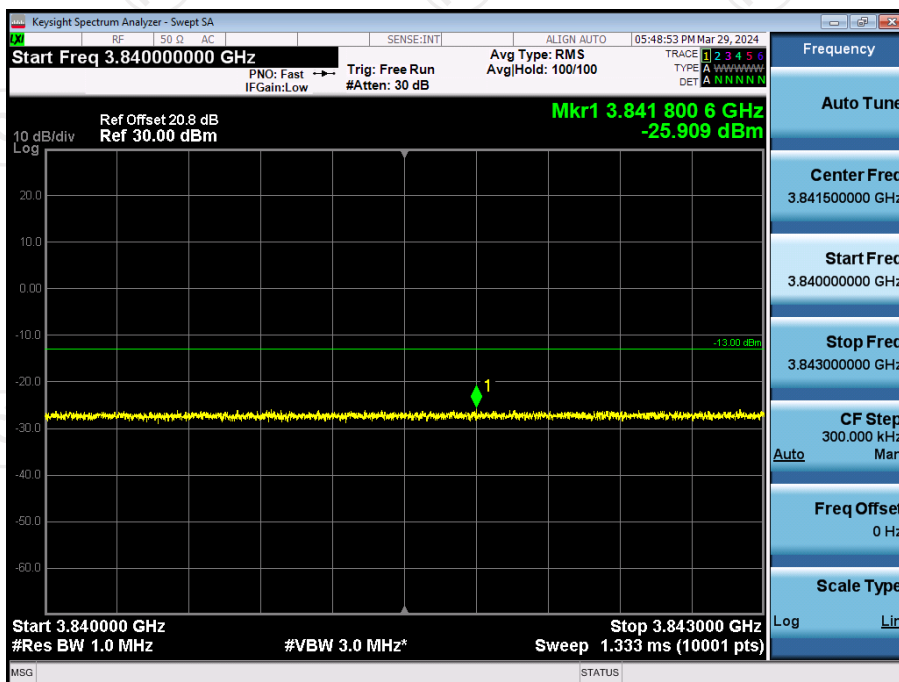
5G NR 100 MHz DL Left Side Pre AGC + 3 dB



5G NR 100 MHz DL Right Side Pre AGC

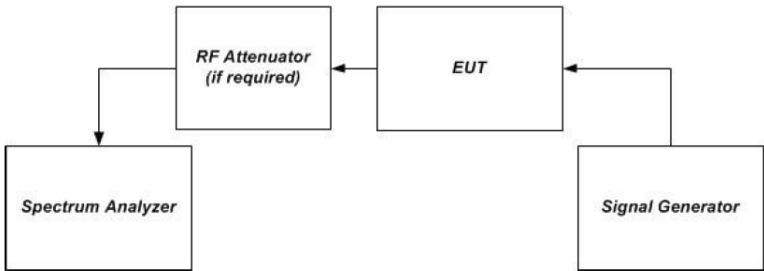


5G NR 100 MHz DL Right Side Pre AGC + 3 dB



5.6. Conducted Spurious Emission

5.6.1. Test Specification

Test Requirement:	FCC Part 2.1051; FCC Part 27.53(l)(1)
Test Method:	KDB 935210 D05 Indus Booster Basic Meas v01r04
Limit:	-13 dBm
Test Setup:	 <pre> graph LR SG[Signal Generator] --> EUT[EUT] EUT --> RA[RF Attenuator (if required)] RA --> SA[Spectrum Analyzer] </pre>
Test Procedure:	a) Connect a signal generator to the input of the EUT. b) Set the signal generator to produce the broadband test signal that specified in section 3.3 of this report. c) Set the center frequency of the test signal to the lowest available channel within the frequency band or block. d) Set the EUT input power to a level that is just below the AGC threshold (see 3.2), but not more than 0.5 dB below. e) Connect a spectrum analyzer to the output of the EUT using appropriate attenuation as necessary. f) Set the RBW = reference bandwidth in the applicable rule section for the supported frequency band of operation (e.g., reference bandwidth is typically 100 kHz or 1 MHz). g) Set the VBW $\geq 3 \times$ RBW. h) Set the Sweep time = auto-couple. i) Set the spectrum analyzer start frequency to the lowest RF signal generated in the equipment, without going below 9 kHz, and the stop frequency to the lower band/block edge frequency minus 100 kHz or 1 MHz, as specified in the applicable rule part. The number of measurement points in each sweep must be $\geq (2 \times \text{span}/\text{RBW})$, which may require that the measurement range defined by the start and stop frequencies be subdivided, depending on the available number of measurement points provided by the spectrum analyzer.⁴ j) Select the power averaging (rms) detector function. k) Trace average at least 10 traces in power averaging (rms) mode. l) Use the peak marker function to identify the highest

	amplitude level over each measured frequency range. Record the frequency and amplitude and capture a plot for inclusion in the test report. m) Reset the spectrum analyzer start frequency to the upper band/block edge frequency plus 100 kHz or 1 MHz, as specified in the applicable rule part, and the spectrum analyzer stop frequency to $10 \times$ the highest frequency of the fundamental emission (see Section 2.1057). The number of measurement points in each sweep must be $\geq (2 \times \text{span/RBW})$, which may require that the measurement range defined by the start and stop frequencies be subdivided, depending on the available number of measurement points provided by the spectrum analyzer. n) Trace average at least 10 traces in power averaging (rms) mode. o) Use the peak marker function to identify the highest amplitude level over each of the measured frequency ranges. Record the frequency and amplitude and capture a plot for inclusion in the test report; also provide tabular data, if required. p) Repeat steps i) to o) with the input test signals firstly tuned to a middle band/block frequency/channel, and then tuned to a high band/block frequency/channel. q) Repeat steps c) to p) with the narrowband test signal. r) Repeat steps b) to q) for all authorized frequency bands/blocks used by the EUT.
Test Result:	PASS

5.6.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Generator	Agilent	N5182B	MY53052214	Jun. 29, 2023	Jun. 28, 2024
Spectrum Analyzer	R&S	FSV40-N	102188	Feb. 01, 2024	Jan. 31, 2025
Attenuator	50FP-006-H3	JFW	907763	/	/

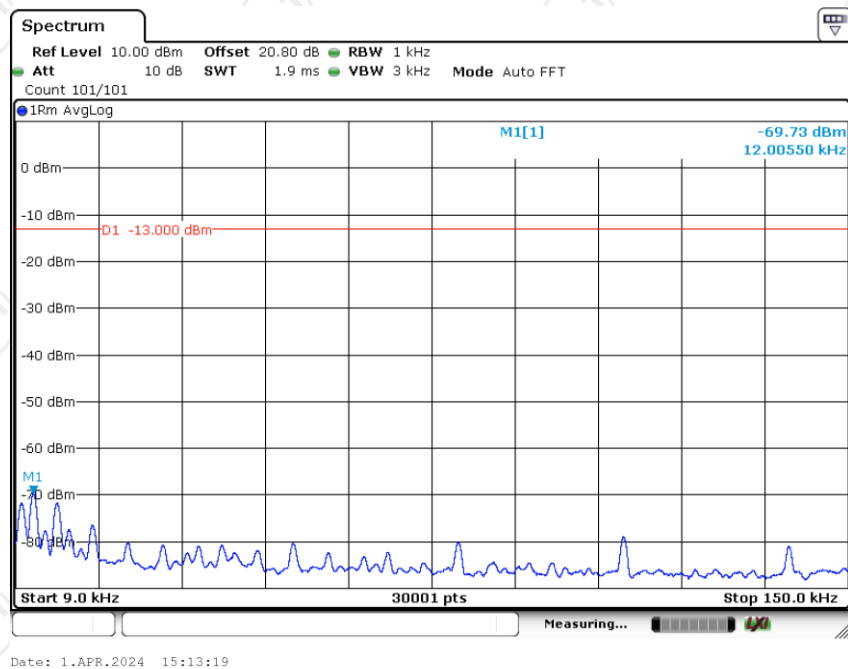
5.6.3. Test data

Test Plots

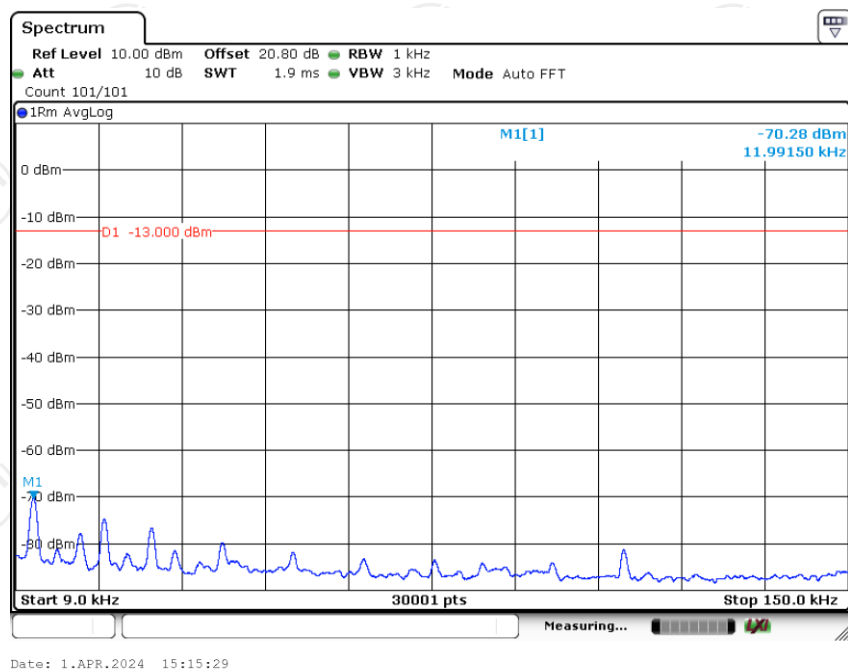
Path1 Full Band Mode Uplink

Lowest

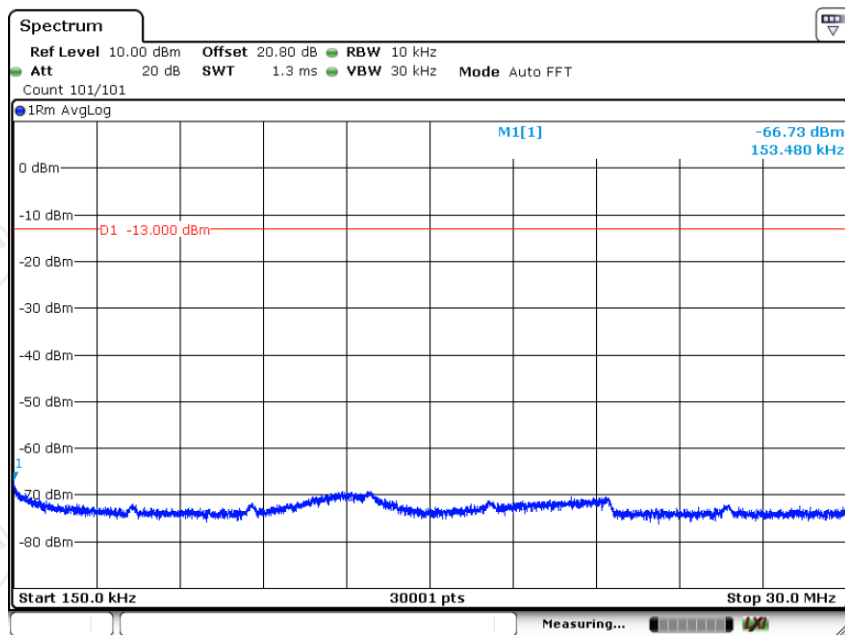
5G NR 100 MHz (9kHz-150kHz) Pre AGC



5G NR 100 MHz (9kHz-150kHz) Pre AGC + 3 dB

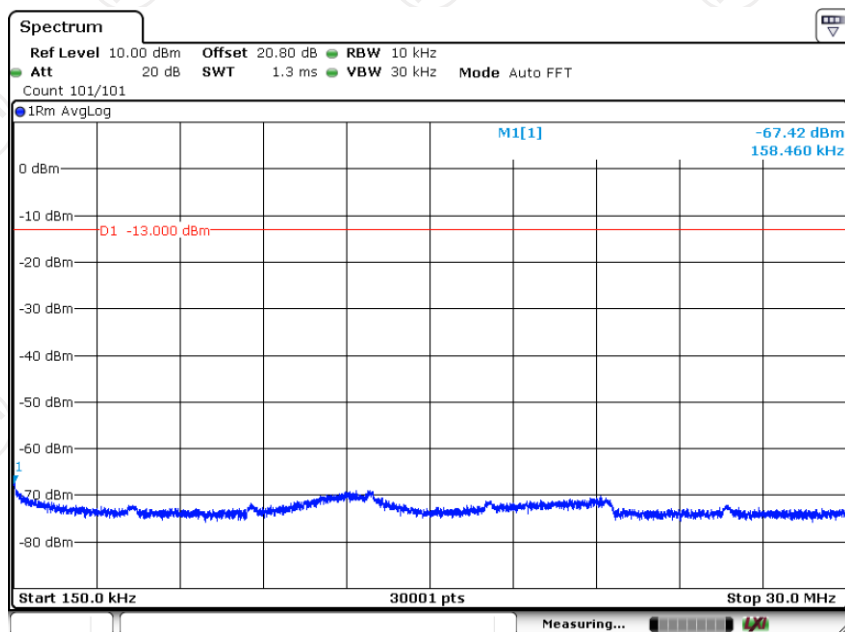


5G NR 100 MHz (150kHz-30MHz) Pre AGC



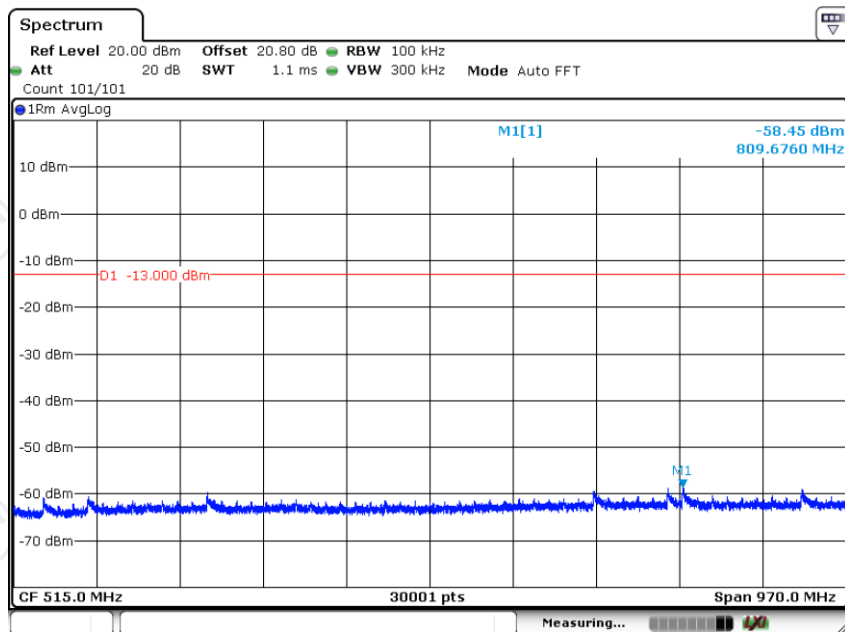
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5G NR 100 MHz (150kHz-30MHz) Pre AGC + 3 dB



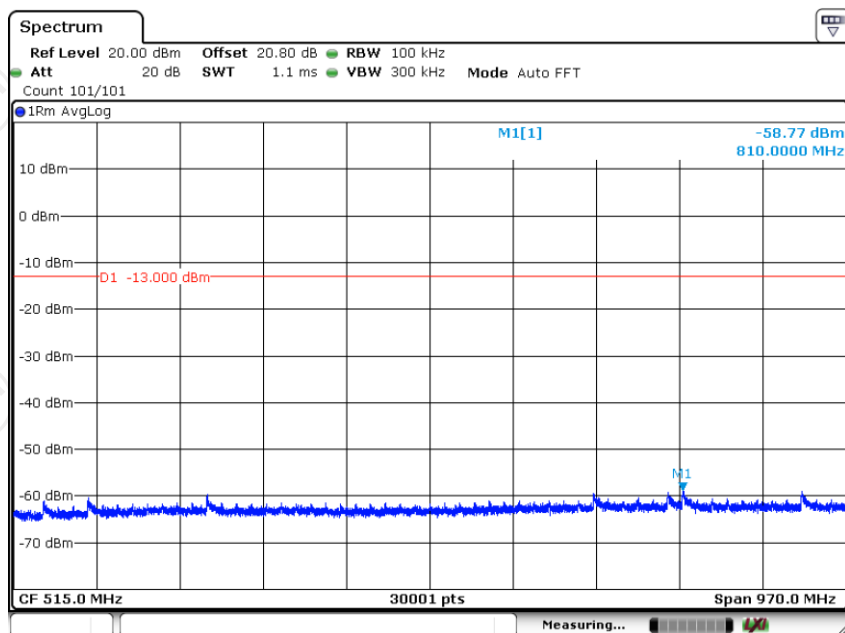
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5G NR 100 MHz (30MHz-1GHz) Pre AGC



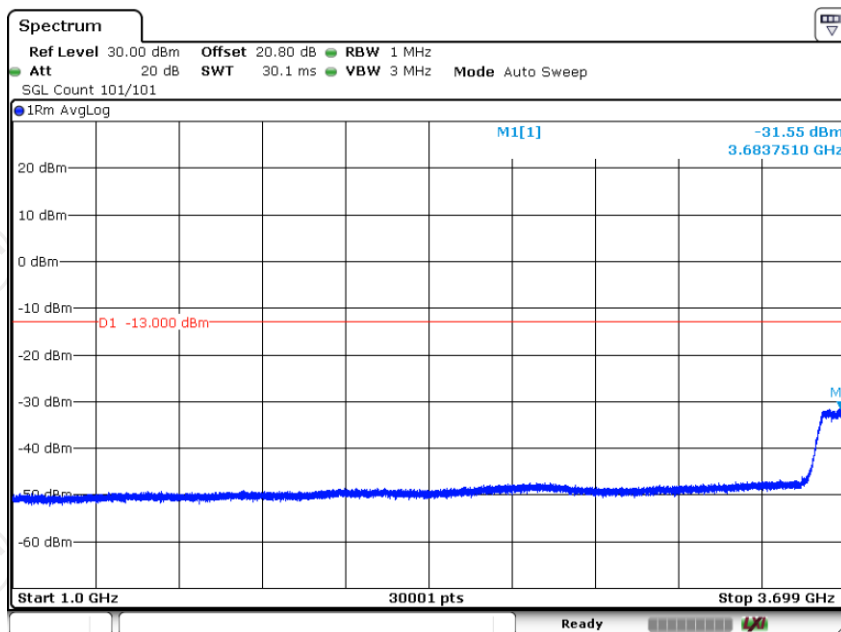
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5G NR 100 MHz (30MHz-1GHz) AGC + 3 dB



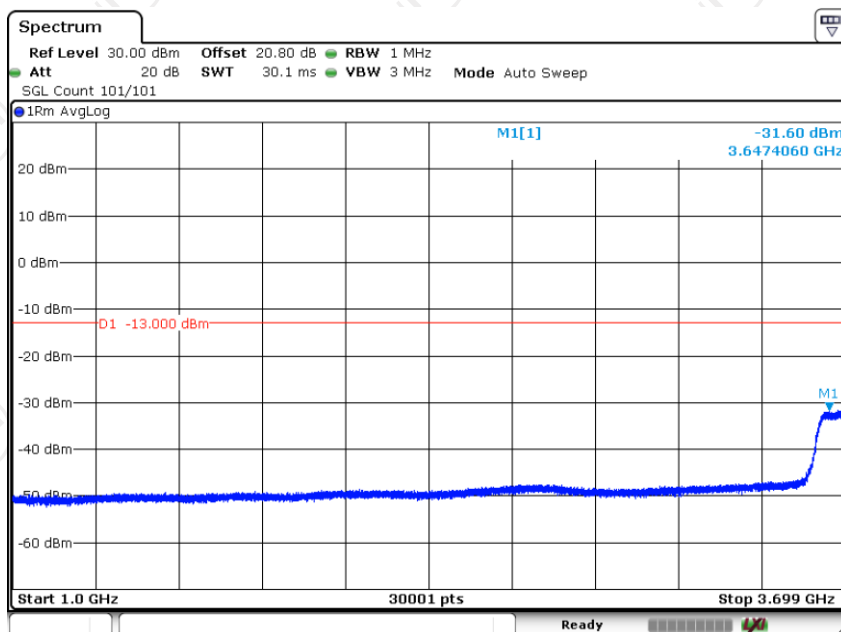
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5G NR 100 MHz (1GHz-3699MHz) Pre AGC



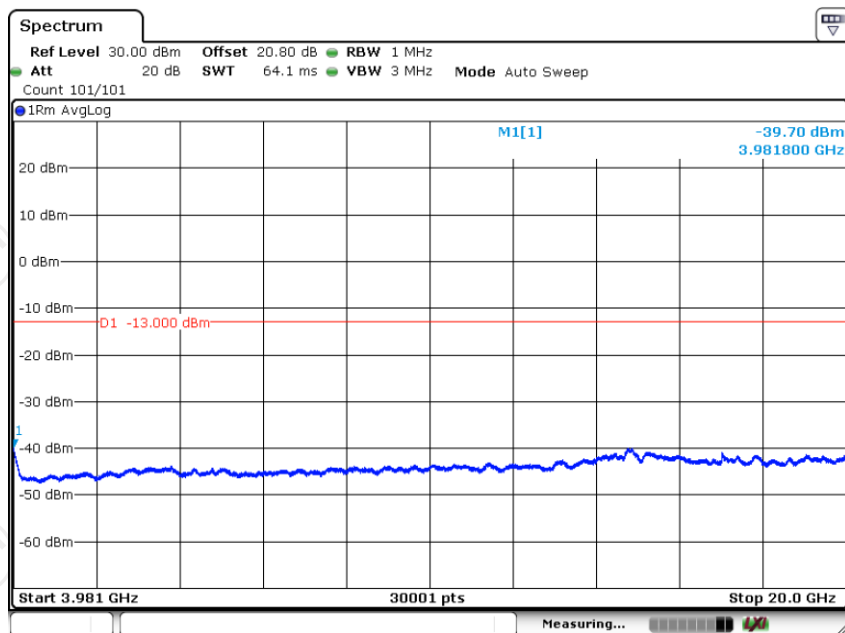
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5G NR 100 MHz (1GHz-3699MHz) AGC + 3 dB



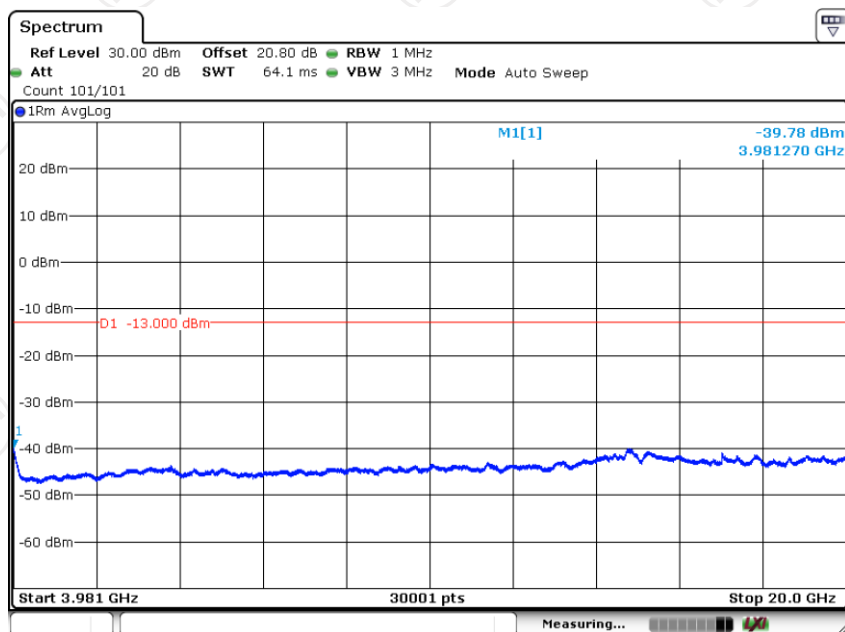
Date: 1.APR.2024 16:08:18

5G NR 100 MHz (3981MHz-20GHz) Pre AGC



Date: 1.APR.2024 16:30:52

5G NR 100 MHz (3981MHz-20GHz) AGC + 3 dB



Date: 1.APR.2024 16:36:03