

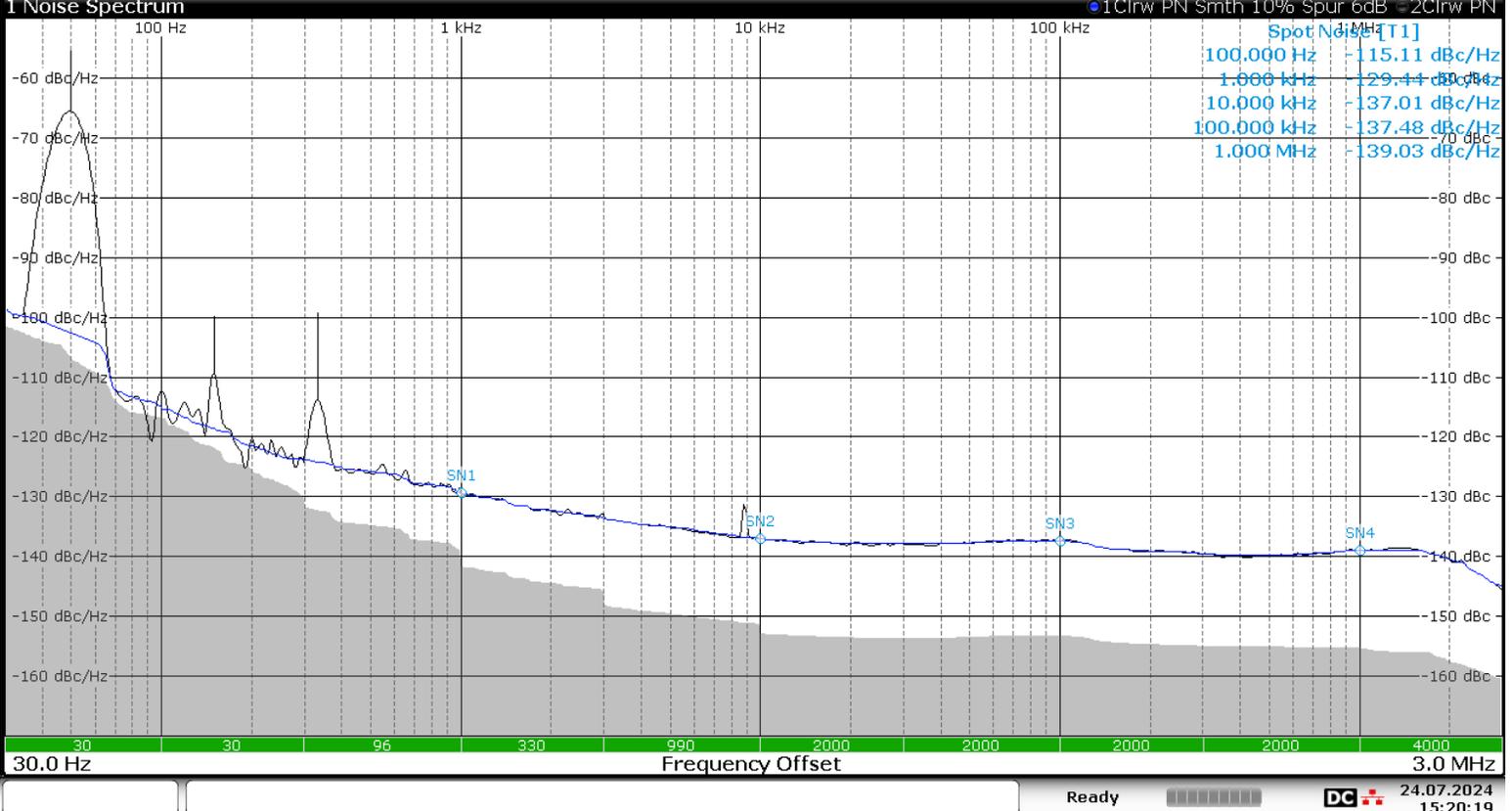
# Phase Noise @ 1 GHz



**MultiView**  **Phase Noise**  **Spectrum**

Signal Frequency 999.999929 MHz    RBW 10 %    Source Frequency 1.0 GHz    SGL  
 Signal Level -1.86 dBm    XCORR Factor 30    Source Level RF Off  
 Att 0 dB    Meas Time ~3.3 s

Meas Phase Noise



15:20:20 24.07.2024

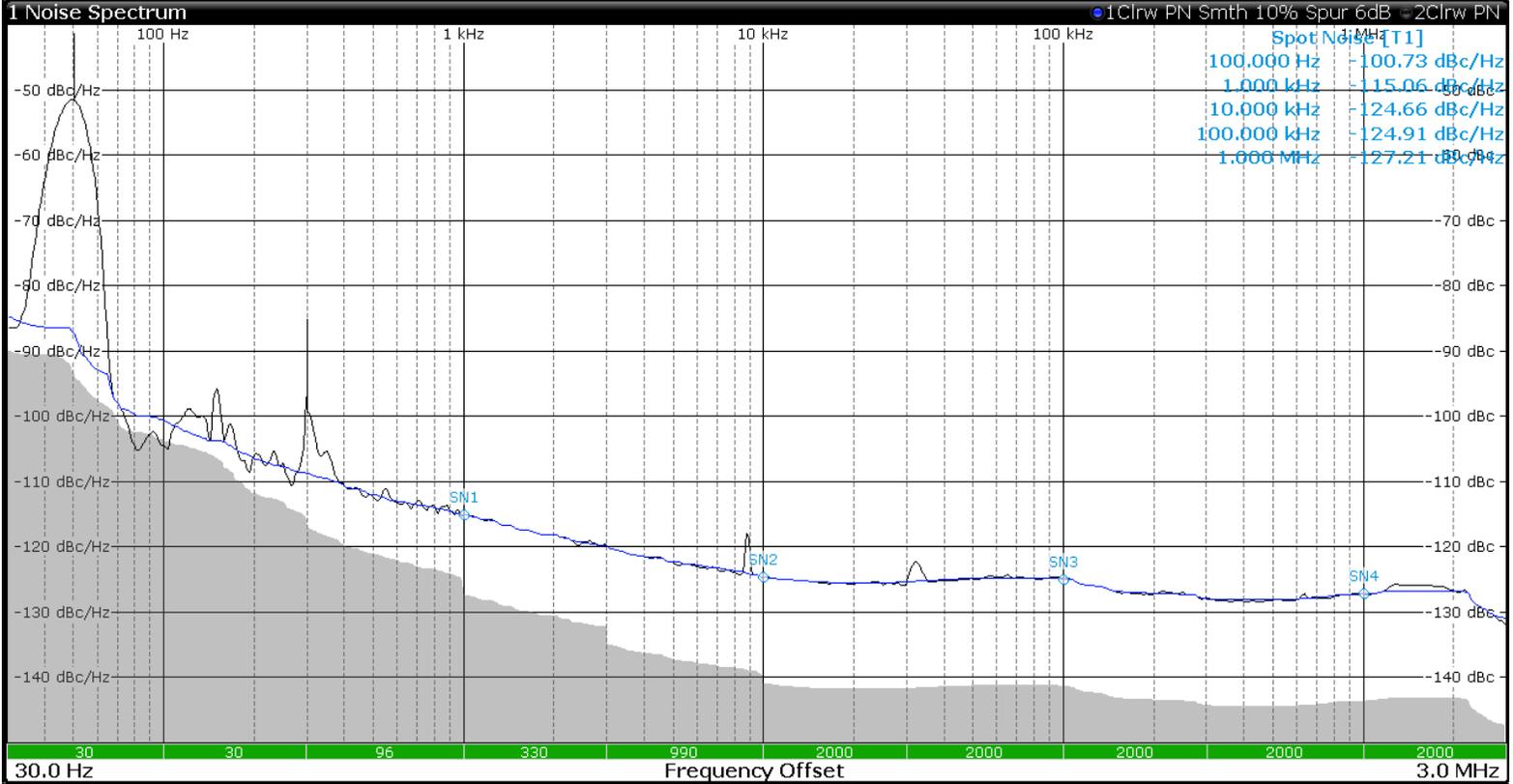
# Phase Noise @ 5 GHz



MultiView **Phase Noise** Spectrum

Signal Frequency 4.999999637 GHz RBW 10 % Source Frequency 1.0 GHz  
 Signal Level -2.08 dBm XCORR Factor 30 Source Level RF Off  
 Att 0 dB Meas Time ~3.3 s

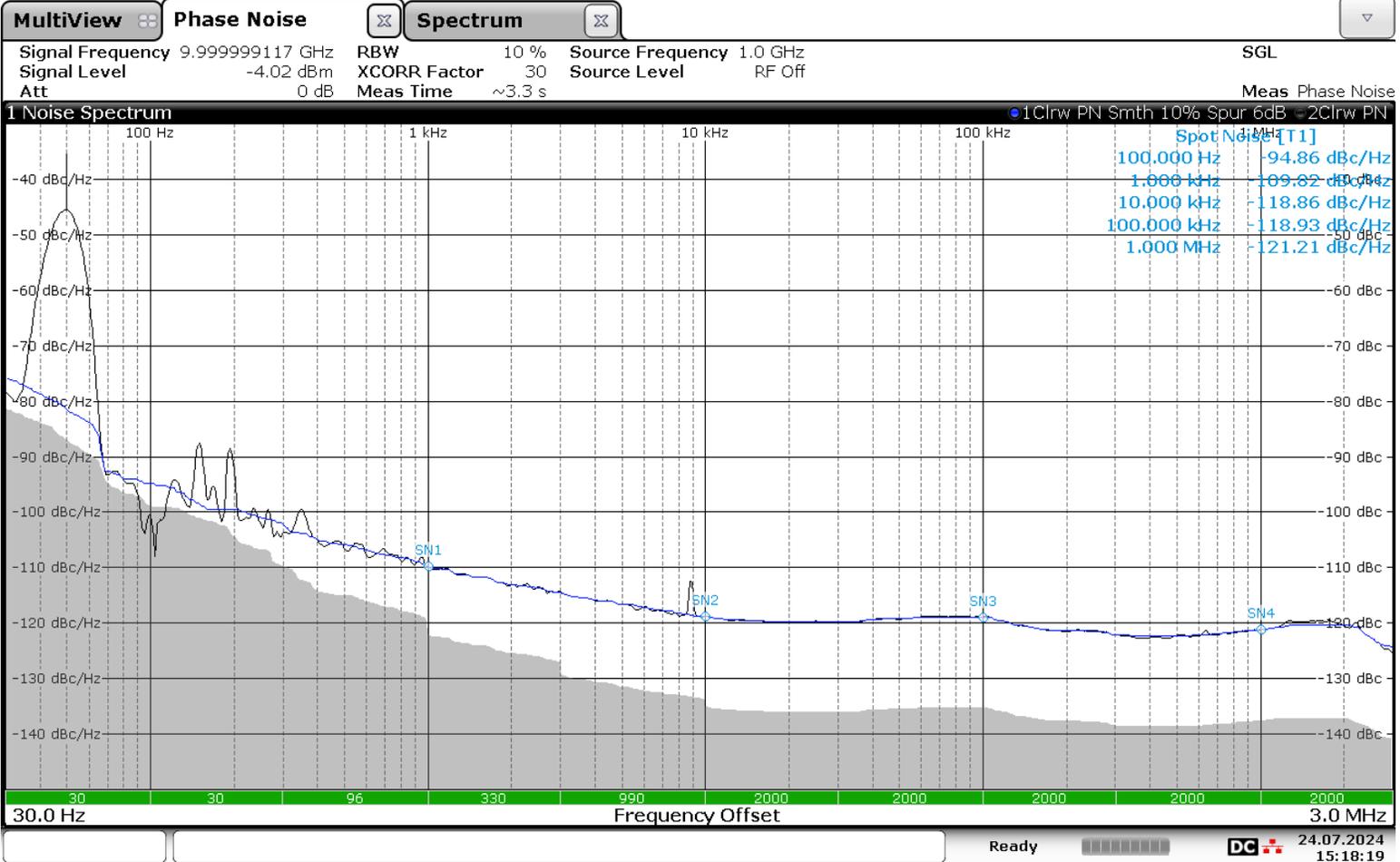
Meas Phase Noise



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15:19:55 24.07.2024

# Phase Noise @ 10 GHz

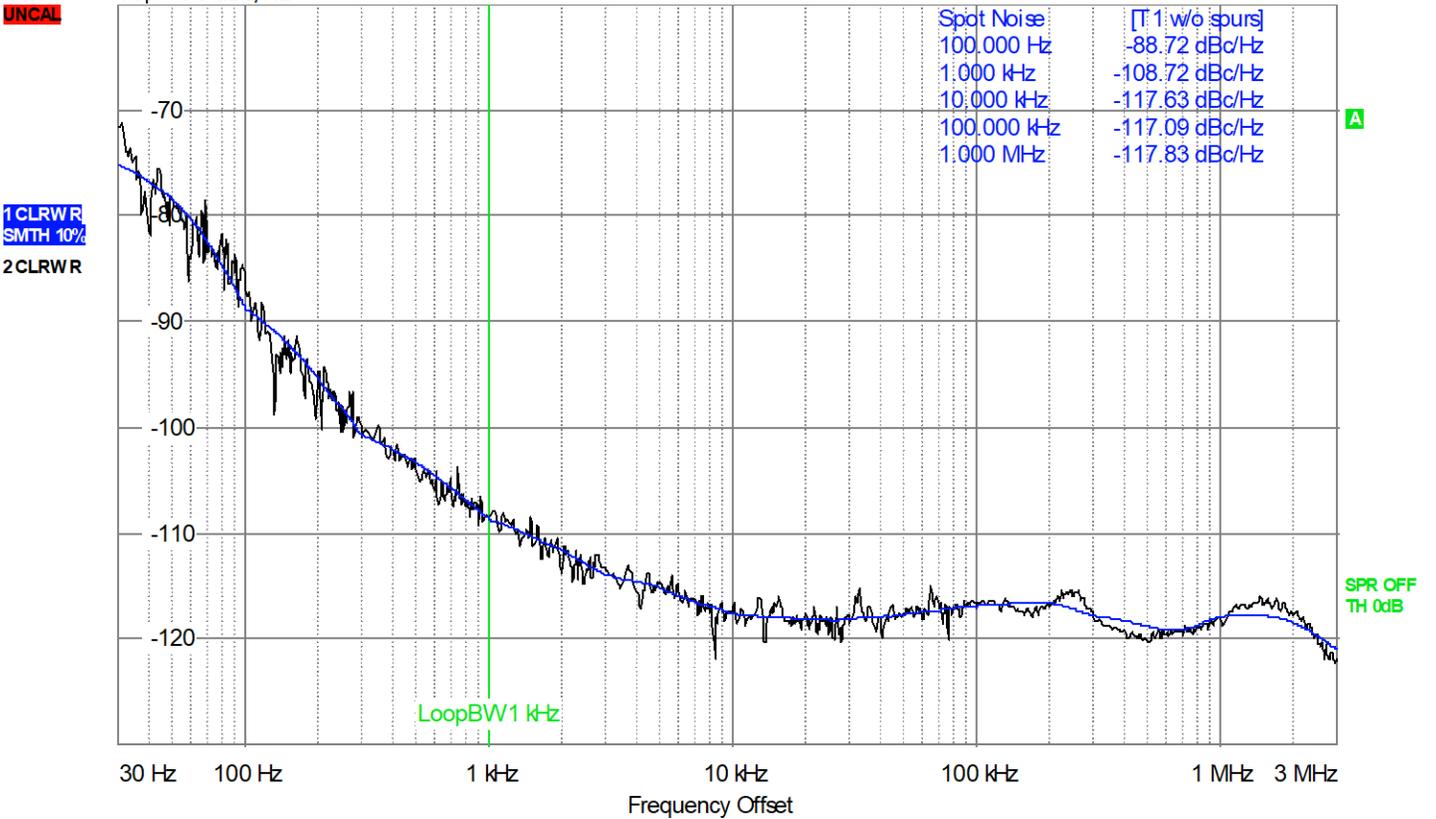


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## Phase Noise @ 14 GHz

RS	R&S FSUP 50 Signal Source Analyzer			LOCKED
Settings	Residual Noise [T1 w/o spurs]		Phase Detector +0 dB	
Signal Frequency:	14.000000 GHz	Int PHN (30.0 .. 3.0 M) -53.0 dBc		
Signal Level:	-0.01 dBm	Residual PM	0.182 °	
Cross Corr Mode	Harmonic 1	Residual FM	4.623 kHz	
Internal Ref Tuned	Internal Phase Det	RMS Jitter	0.0362 ps	

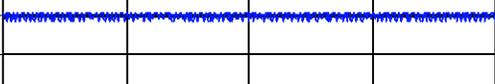
Phase Noise [dBc/Hz]  
 RF Atten 5 dB  
 Top -60 dBc/Hz

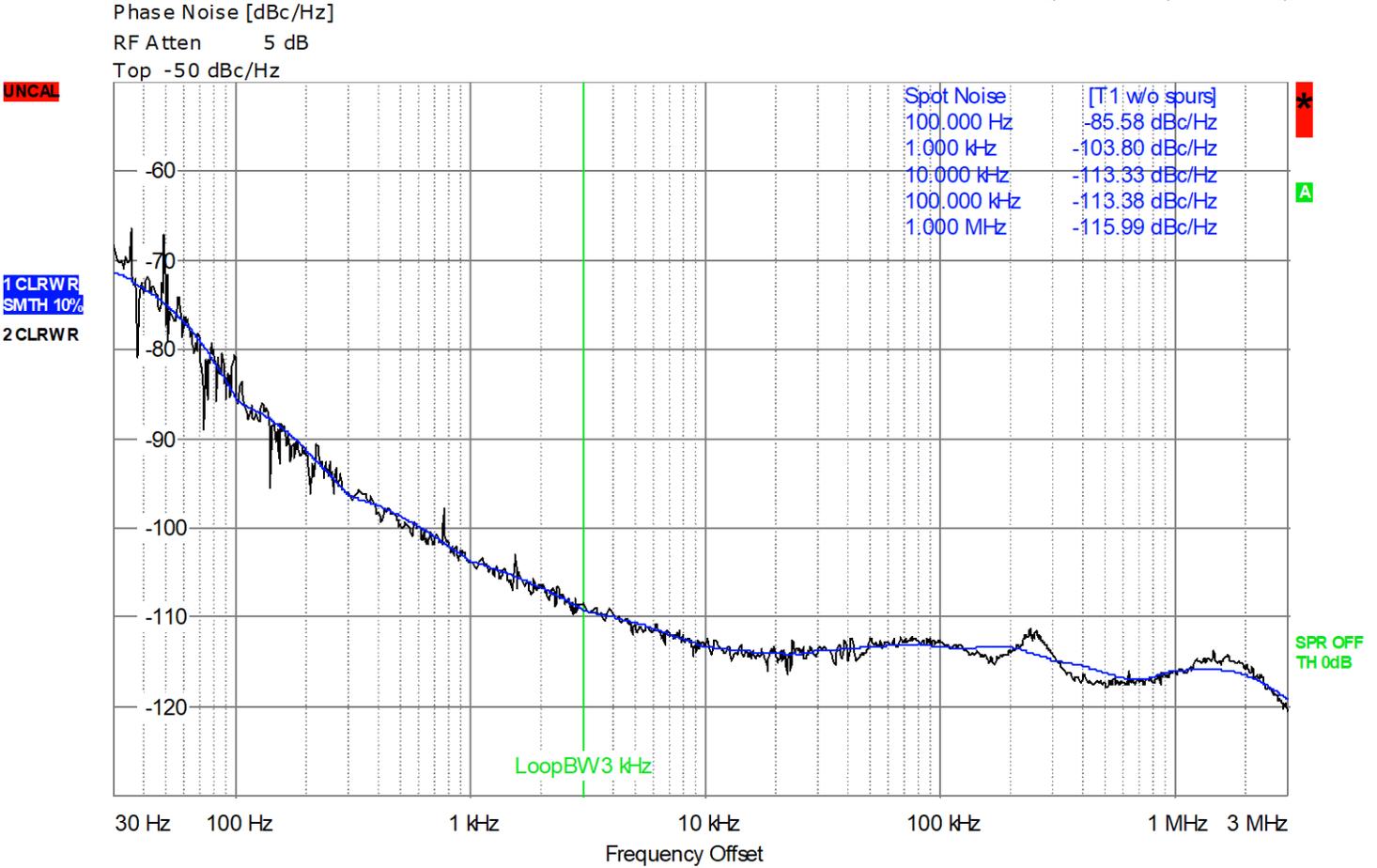


Measurement Aborted

Date: 25.AUG.2024 00:50:40

### Phase Noise @ 20 GHz

Settings		Residual Noise [T1 w/o spurs]		Phase Detector +20 dB			
Signal Frequency:	20.000001 GHz	Int PHN (30.0 .. 3.0 M)	-50.4 dBc				
Signal Level:	-5.75 dBm	Residual PM	0.244 °				
Cross Corr Mode	Harmonic 1	Residual FM	5.783 kHz				
Internal Ref Tuned	Internal Phase Det	RMS Jitter	0.0339 ps				



Measurement Aborted

Date: 25.AUG.2024 00:52:05

