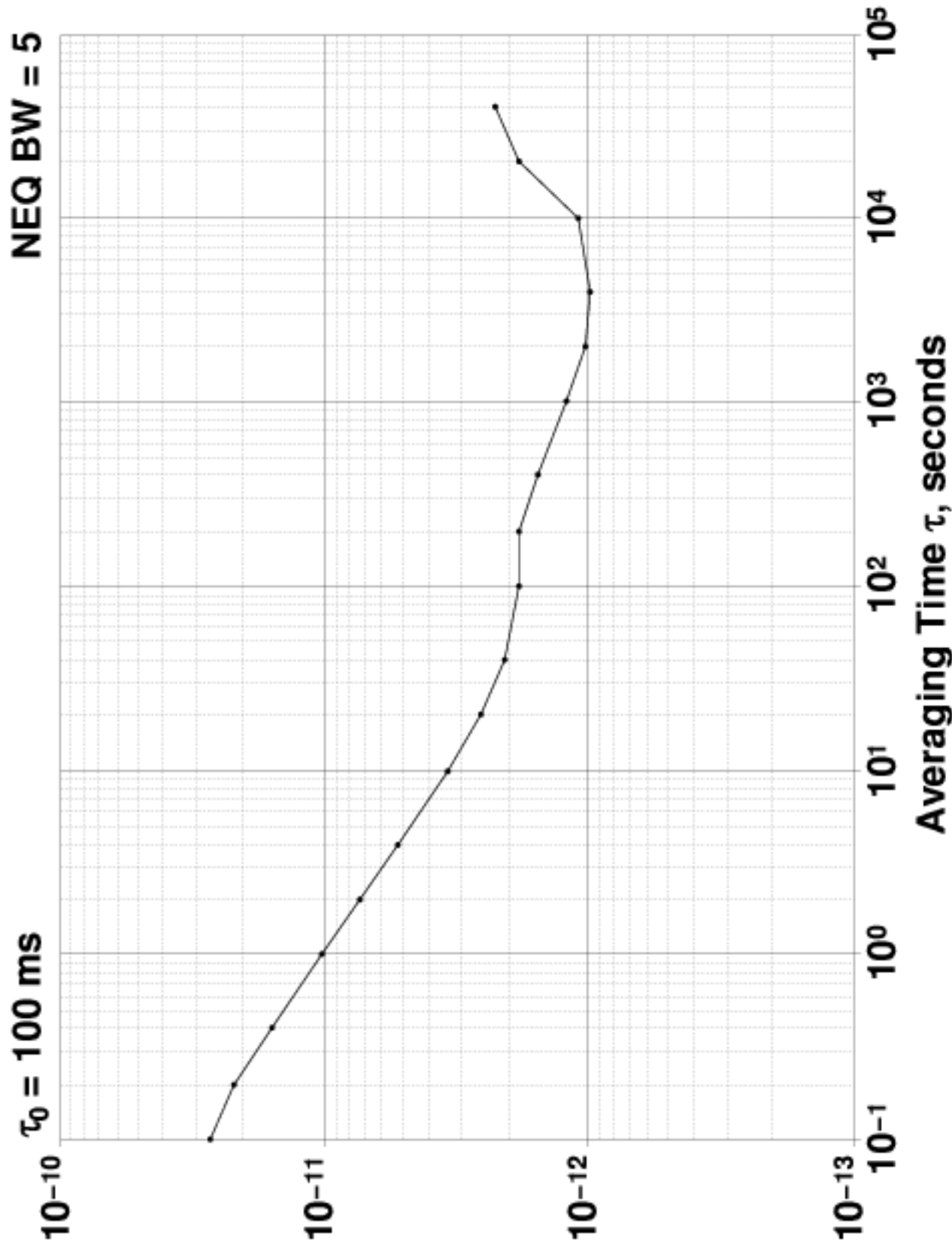


Allan Deviation $\sigma_y(\tau)$



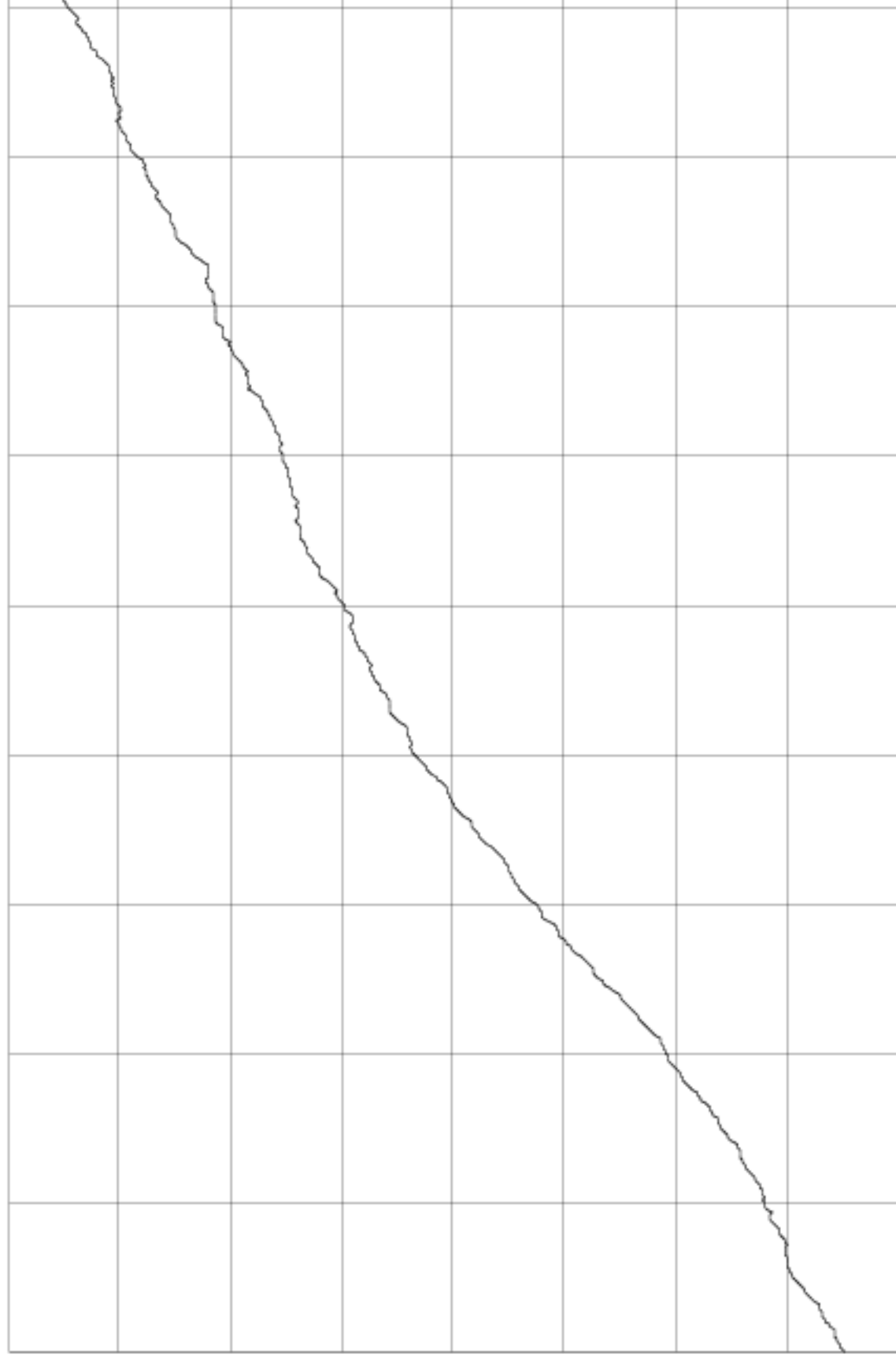
Allan Deviation $\sigma_y(\tau)$

$\tau_0 = 100 \text{ ms}$	Avg. Time (s)	Allan Deviation $\sigma_y(\tau)$	NEQ BW = 5
	0.1	2.6759×10^{-11}	
	0.2	2.1585×10^{-11}	
	0.4	1.5751×10^{-11}	
	1	1.0197×10^{-11}	
	2	7.293×10^{-12}	
	4	5.188×10^{-12}	
	10	3.383×10^{-12}	
	20	2.553×10^{-12}	
	40	2.092×10^{-12}	
	100	1.847×10^{-12}	
	200	1.82×10^{-12}	
	400	1.54×10^{-12}	
	1000	1.22×10^{-12}	
	2000	1.02×10^{-12}	
	4000	9.9×10^{-13}	
	10000	1.09×10^{-12}	
	20000	1.8×10^{-12}	
	40000	2.2×10^{-12}	

Phase Difference

8.0x10⁻¹⁰ s/div

Center: 1.061748x10⁻⁰⁶ s



60s/div

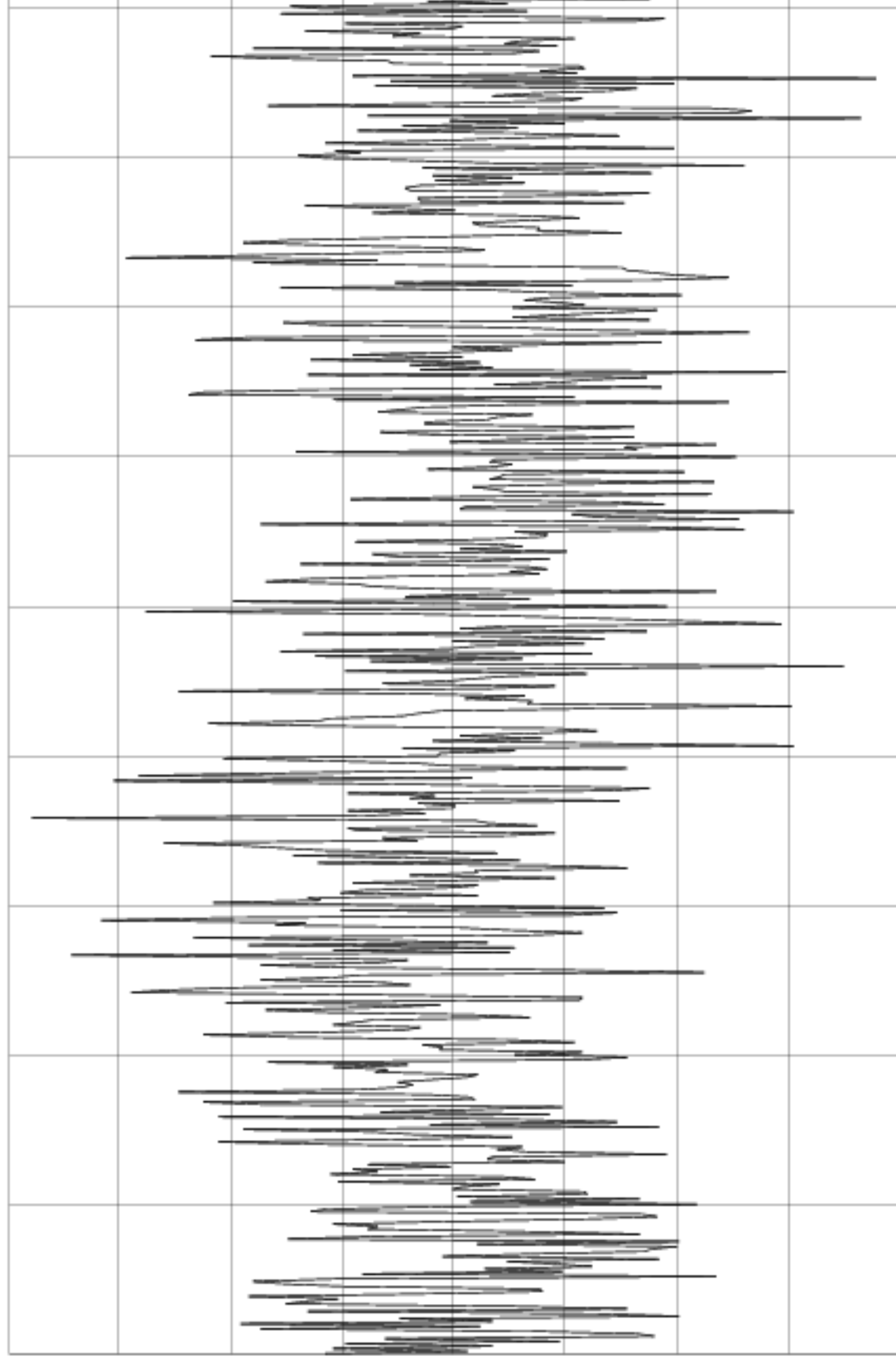
Input 10.0 MHz 6 dBm

Reference 5.0 MHz 13 dBm

Frequency Difference

8.0x10⁻¹² /div

Center: 1.095x10⁻¹¹



60s/div

Input 10.0 MHz 6 dBm

Reference 5.0 MHz 13 dBm

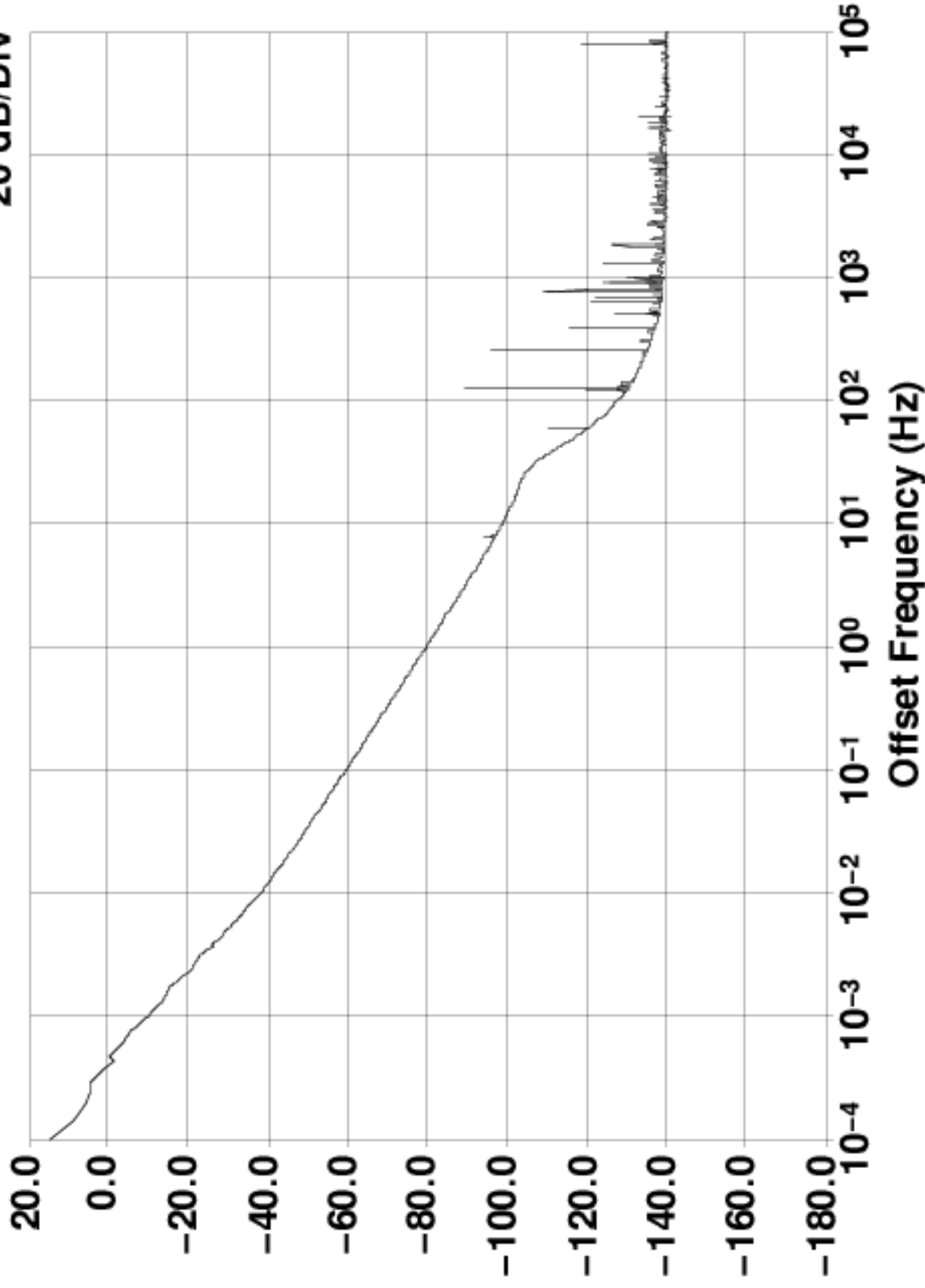
Frequency Counter

Sample Time (s)	Frequency (MHz)
1	10.0000000007014
10	10.00000000075096
100	10.000000000728036
1000	10.000000000697881

Reference Frequency: 5.0 MHz (auto)

$\mathcal{L}(f)$ Phase Noise at 10.0 MHz (dBc/Hz)

20 dB/Div



Input 10.0 MHz 6 dBm

Reference 5.0 MHz 13 dBm