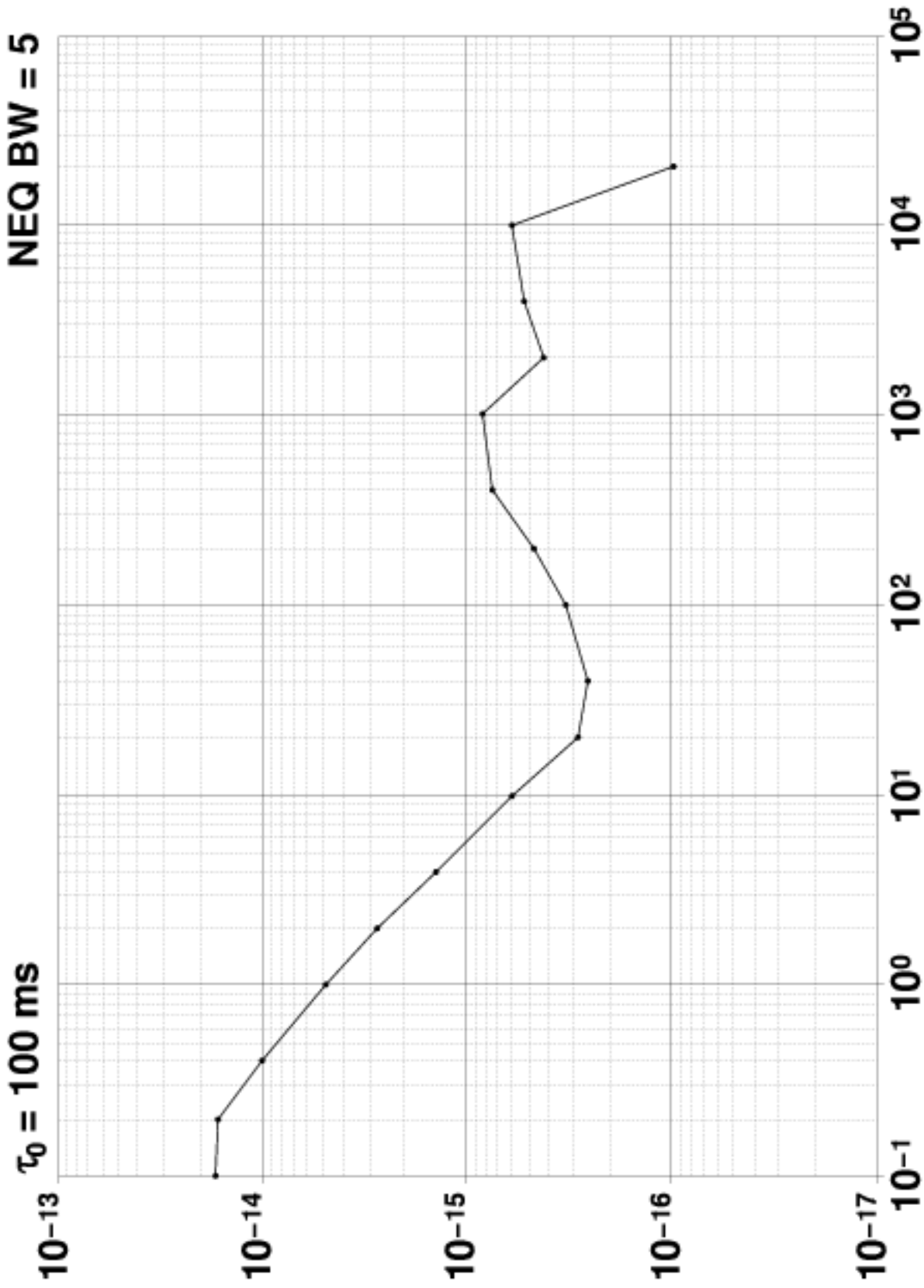


Allan Deviation $\sigma_y(\tau)$



Input 10.0 MHz 3 dBm

Reference 5.0 MHz 14 dBm

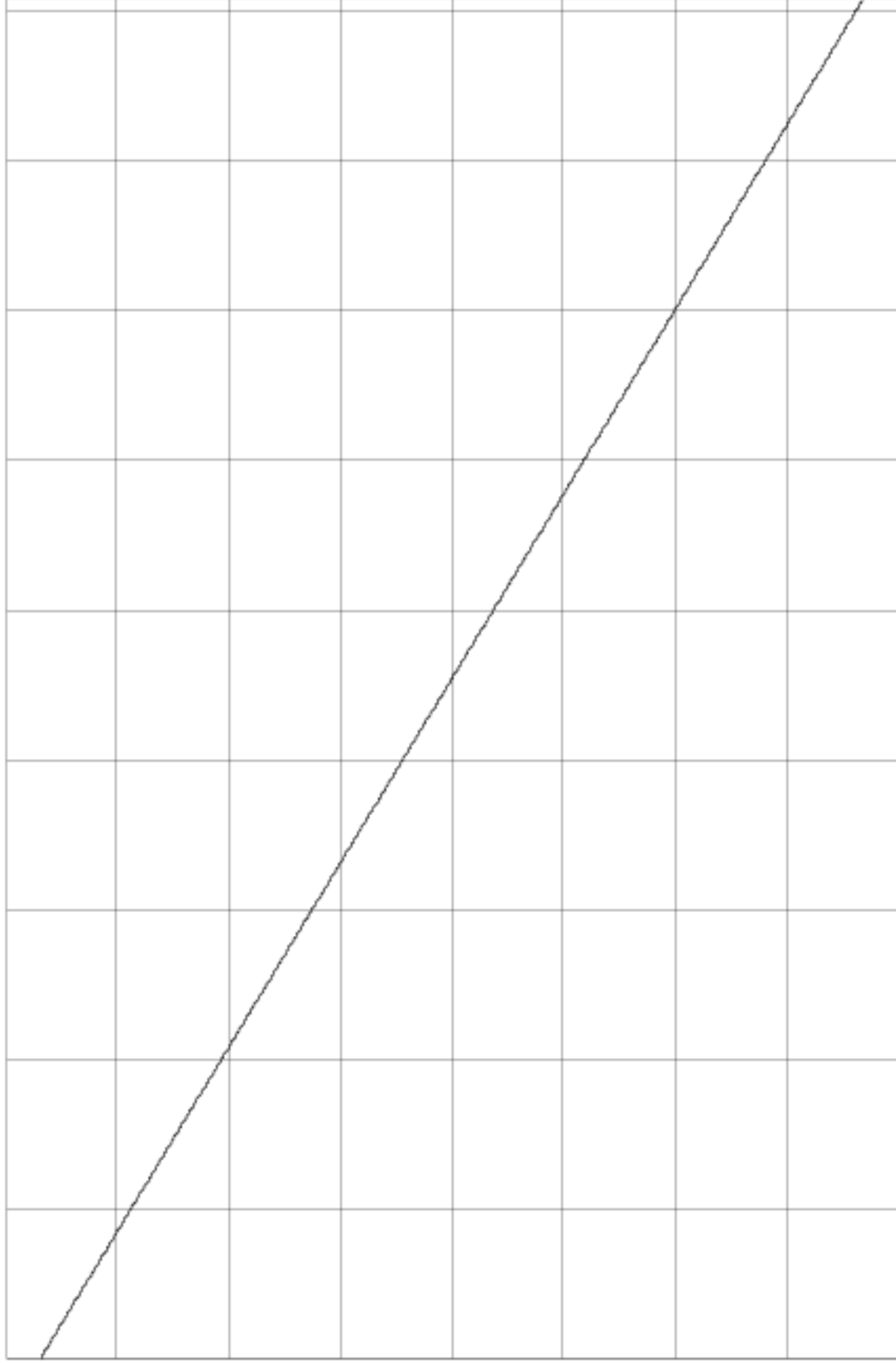
Allan Deviation $\sigma_y(\tau)$

$\tau_0 = 100 \text{ ms}$	Avg. Time (s)	Allan Deviation $\sigma_y(\tau)$	NEQ BW = 5
	0.1	1.6891×10^{-14}	
	0.2	1.6118×10^{-14}	
	0.4	1.0007×10^{-14}	
	1	4.801×10^{-15}	
	2	2.692×10^{-15}	
	4	1.399×10^{-15}	
	10	5.97×10^{-16}	
	20	2.846×10^{-16}	
	40	2.58×10^{-16}	
	100	3.26×10^{-16}	
	200	4.74×10^{-16}	
	400	7.4×10^{-16}	
	1000	8.3×10^{-16}	
	2000	4.2×10^{-16}	
	4000	5.3×10^{-16}	
	10000	6.1×10^{-16}	
	20000	9.9×10^{-17}	

Phase Difference

5.0x10⁻¹⁰ s/div

Center: -4.62417x10⁻⁰⁷ s



60s/div

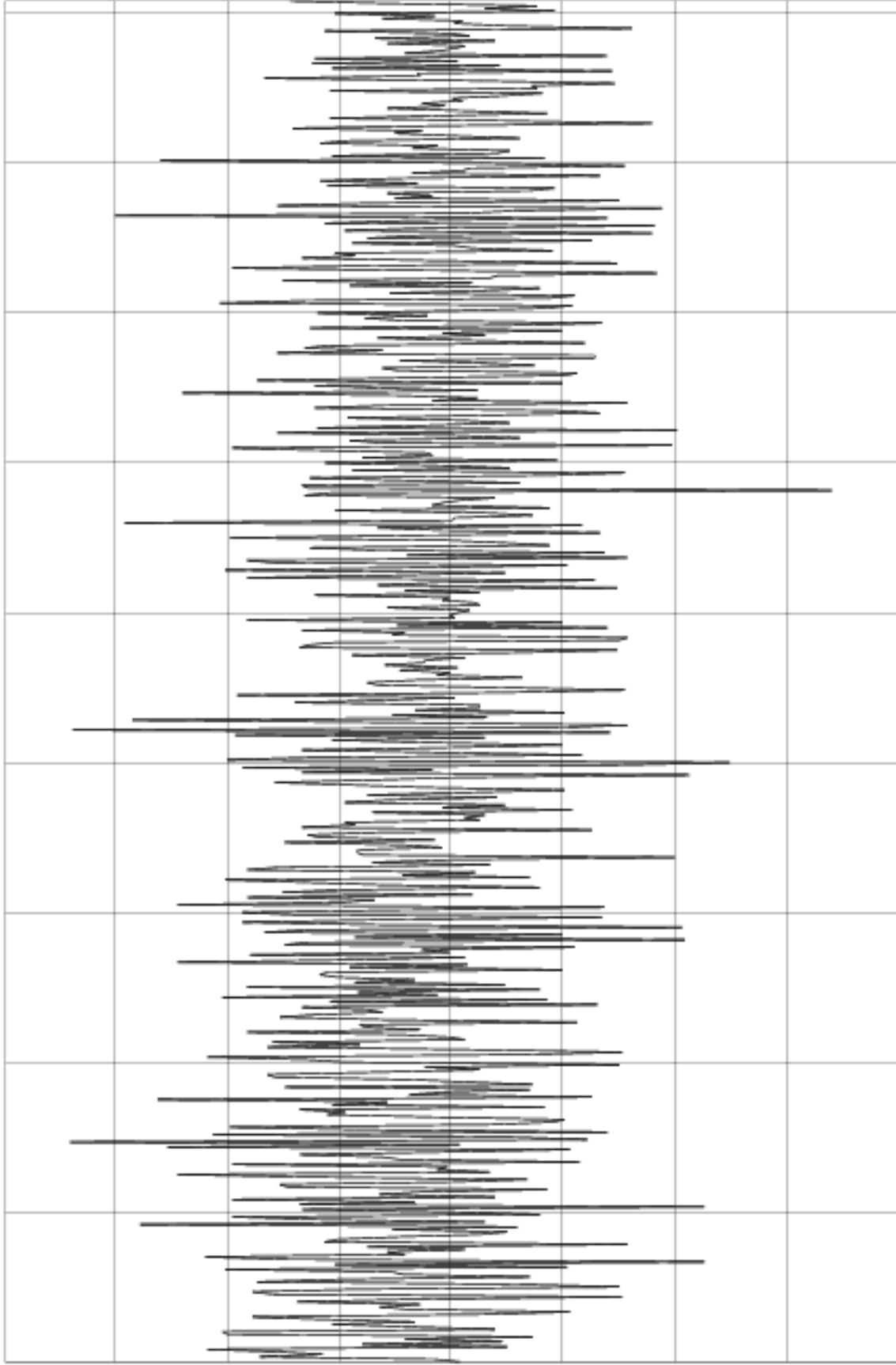
Input 10.0 MHz 3 dBm

Reference 5.0 MHz 14 dBm

Frequency Difference

4.0×10^{-15} /div

Center: -6.74651×10^{-12}



60s/div

Input 10.0 MHz 3 dBm

Reference 5.0 MHz 14 dBm

Frequency Counter

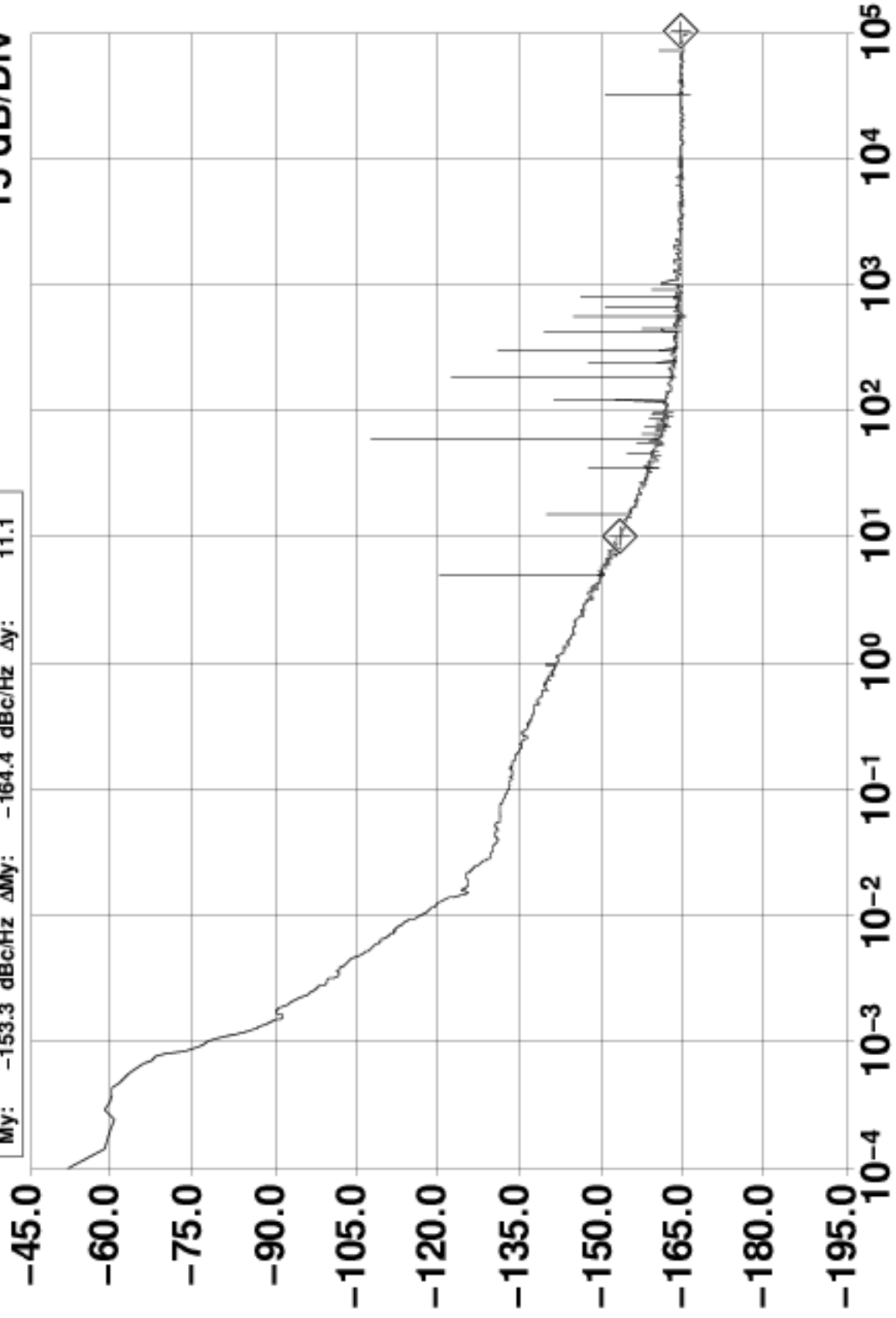
<u>Sample Time (s)</u>	<u>Frequency (MHz)</u>
1	9.999999999999998
10	10.000000000000000
100	10.000000000000009
1000	9.999999999999992

Reference Frequency: 5.0 MHz (auto)

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

Mx: 10.00977 Hz Δ Mx: 99975.59 Hz Δ x: -99965.6
My: -153.3 dBc/Hz Δ My: -164.4 dBc/Hz Δ y: 11.1

15 dB/Div



Input 10.0 MHz 3 dBm

Reference 5.0 MHz 14 dBm