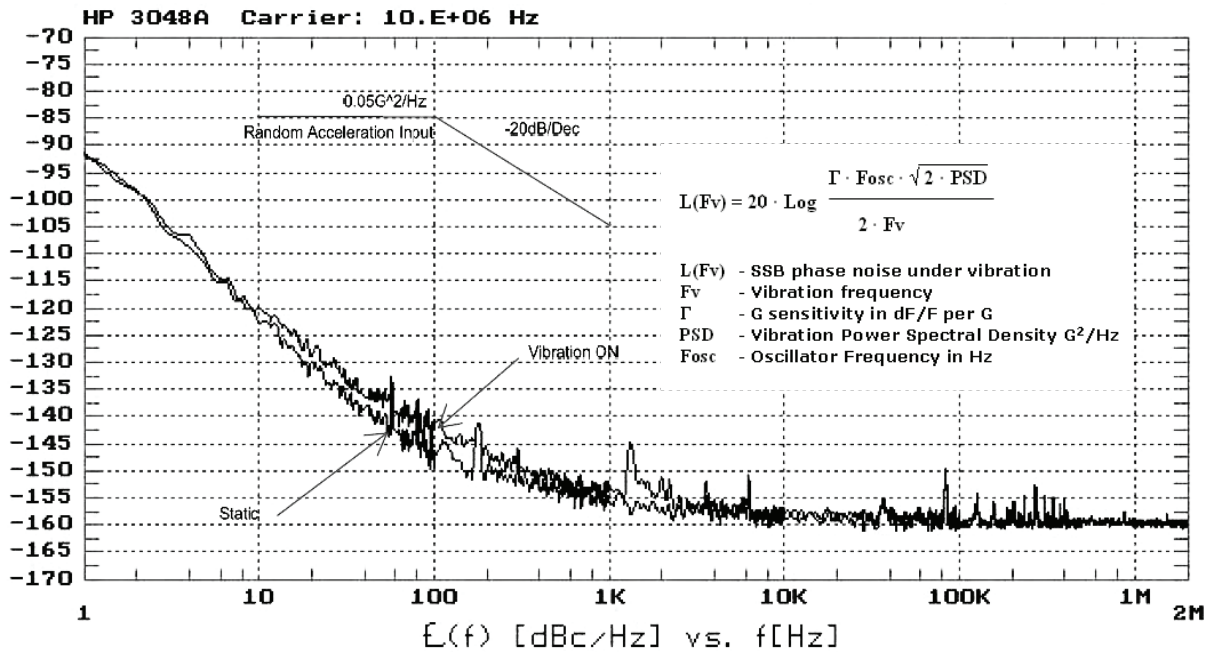


Phase Noise

Vibration effects can be a significant problem in high frequency communication, navigation and RADAR systems often causing large phase excursions and degradation in phase noise performance and short-term stability. The 222 Series is designed to operate in high acceleration and vibration environments (up to 20grms, 20Hz - 2KHz) where its exceptional g sensitivity and excellent overall stability make it the ideal choice for clean-up loops following GPS clocks, Cesium or Rubidium frequency standards and optical communications links. The 222 Series features a high resolution digital tuning interface via 24-bit DAC for precise control in critical applications. Optionally, a traditional analog tuning voltage input is also available. MTI can customize the 222 Series Oscillator for your specific application and vibration profile.



Allan Deviation $\sigma_y(\tau)$

