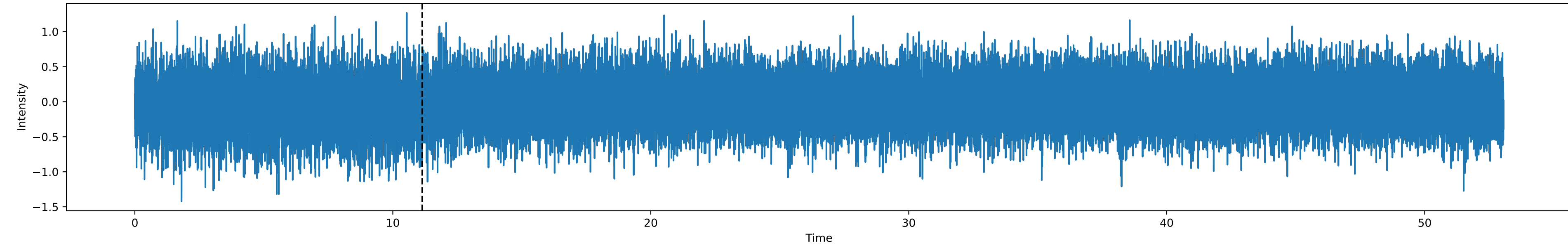
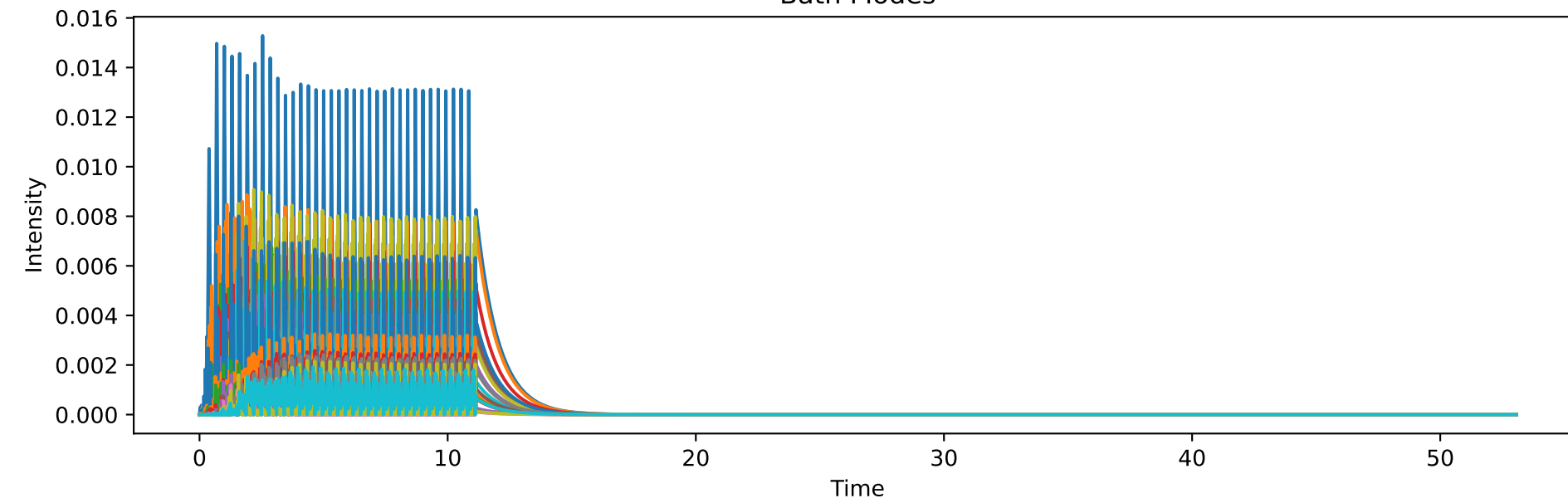


Calibration Phase One Demonstration with noise
 $N=10 * 2 + 2$ modes $g_0=1\Omega$, Noise Amp=0.3, $\eta=0.18\text{MHz}$, $\eta_{\text{hybrid}}=0.8999999999999999\text{MHz}$
 Same as the first simulation but with larger drive strength.
 Observe, how the amplitudes of the bath modes fluctuate with great amplitude.

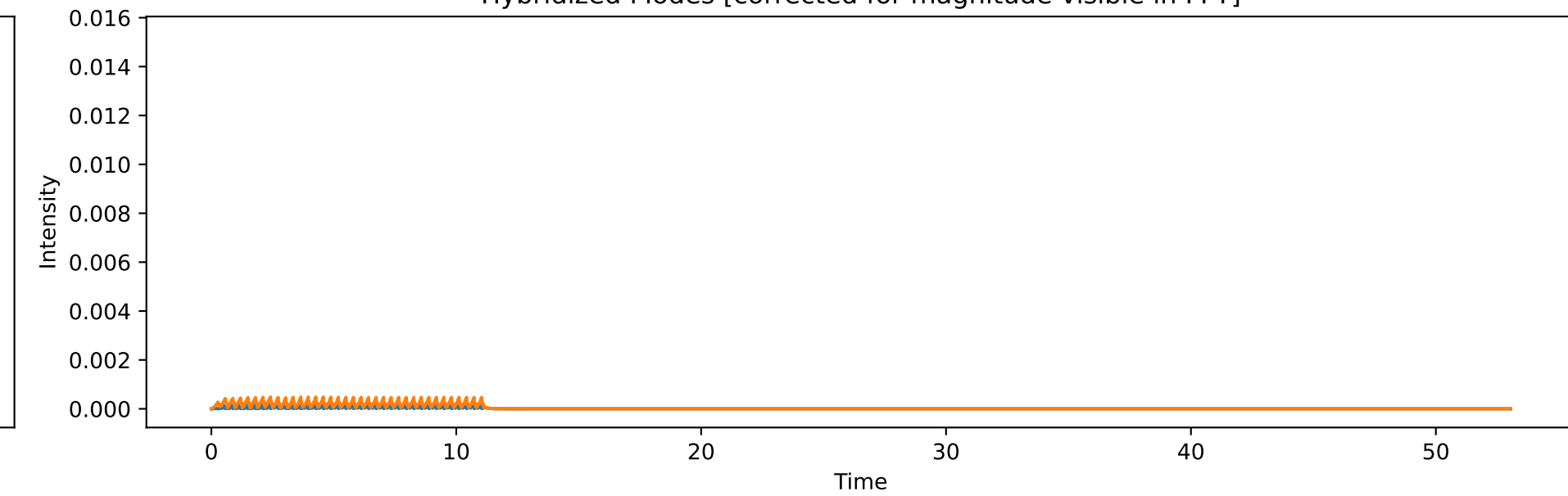
Photo-diode AC Intensity



Bath Modes



Hybridized Modes [corrected for magnitude visible in FFT]



FFT Spectrum

