Calibration Phase One Demonstration with noise

N=10 * 2 + 2 modes g_0=0.3Ω, Noise Amp=0.3, η=0.18MHz, η_hybrid=0.8999999999999999MHz

The same as the first simulation, but with the laser at a bath mode and driving at Ω-δ,Ω+δ i.e coupling Bath-Hyb-Hyb-Bath.

From a simple analytical estimate, this can be seen as advantageous!

The log-scale on the spectrum is necessary as the bath mode gets way more excited! However the noise magnitude is the same as in the other simulations.

Timing is /not/ important here *if* the drive amplitude is low engough!