



S8 Fig. Effect of neuromodulation on the mean oscillatory frequency ω .
 The frequency falls in the Theta range (4-8 Hz) of the EEG spectrum in both the **A** (α, β) and **B** (α, r_0) parameter spaces. In the first case we fixed $r_0 = 0.56 \text{ mV}^{-1}$, and in the second one $\beta = 0.4$. The frequency drop off matches with phase synchronization (see Fig 5).