



This graph shows data collected from the engineered device produced by our group. The distance represents the distance between the two inductor coils, and the voltage is the amount of voltage past through them. The coils used to produce this data had 100 turns. The coils with 100 turns provided accurate data past the desired distance of 1 cm so less turns could be used making the device smaller. It would be ideal to use less voltage to avoid damage to the tissue if the device is implanted, so the .05V/75kHz may be the most practical.