

Table 3: Signal to Noise Ratio (SNR) of Images (device in 200mT line)

Description of the Test	Mean of SNR $\pm$ SD
Control (no device)	145.46 $\pm$ 1.02
ERF Resistive Element	144.66 $\pm$ 1.48
Handles	145.43 $\pm$ 1.33
Handles and ERF Resistive Element	144.70 $\pm$ 0.93
Handles and Encoder	145.33 $\pm$ 0.74
Force sensor	144.90 $\pm$ 0.85
ERF hand device	144.65 $\pm$ 0.78
ERF hand device, actuated at 0.8 kV	144.53 $\pm$ 0.81
ERF hand device, actuated at 2 kV	144.40 $\pm$ 1.12