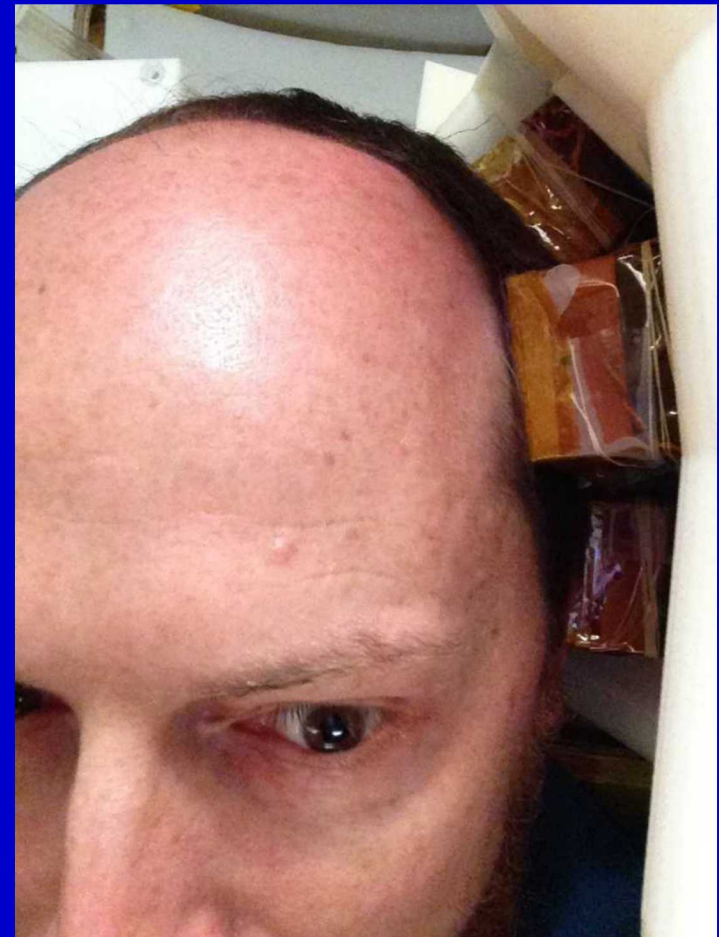
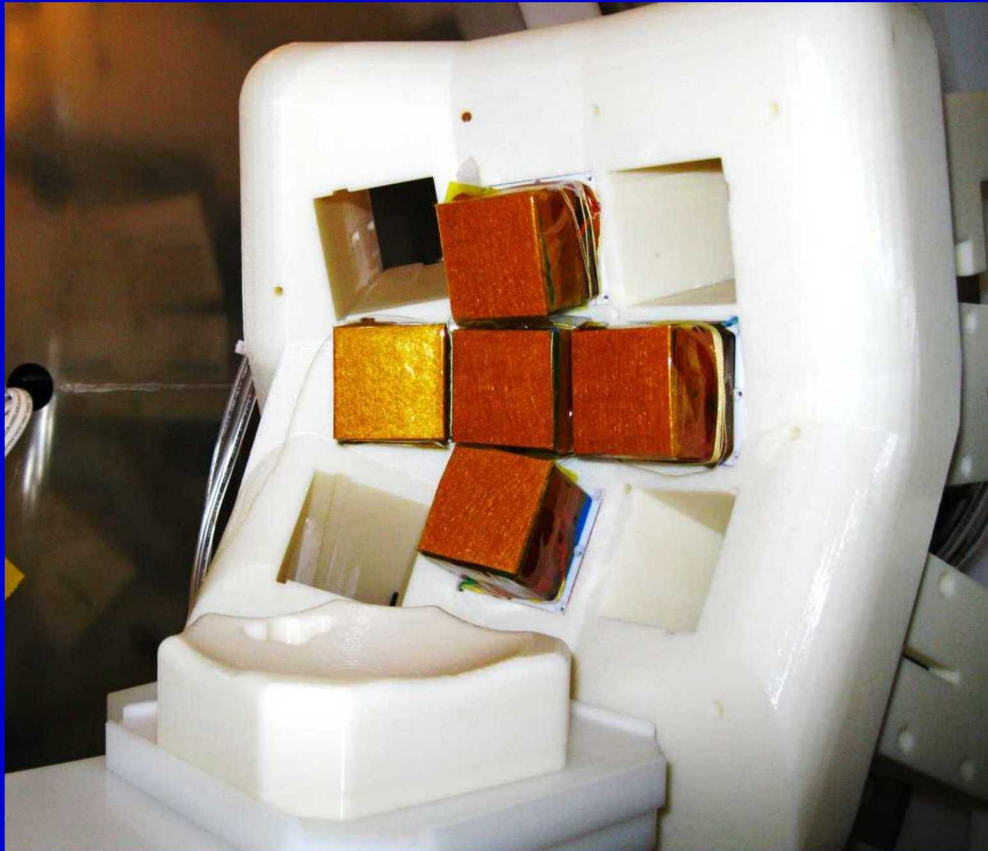


Installed Array

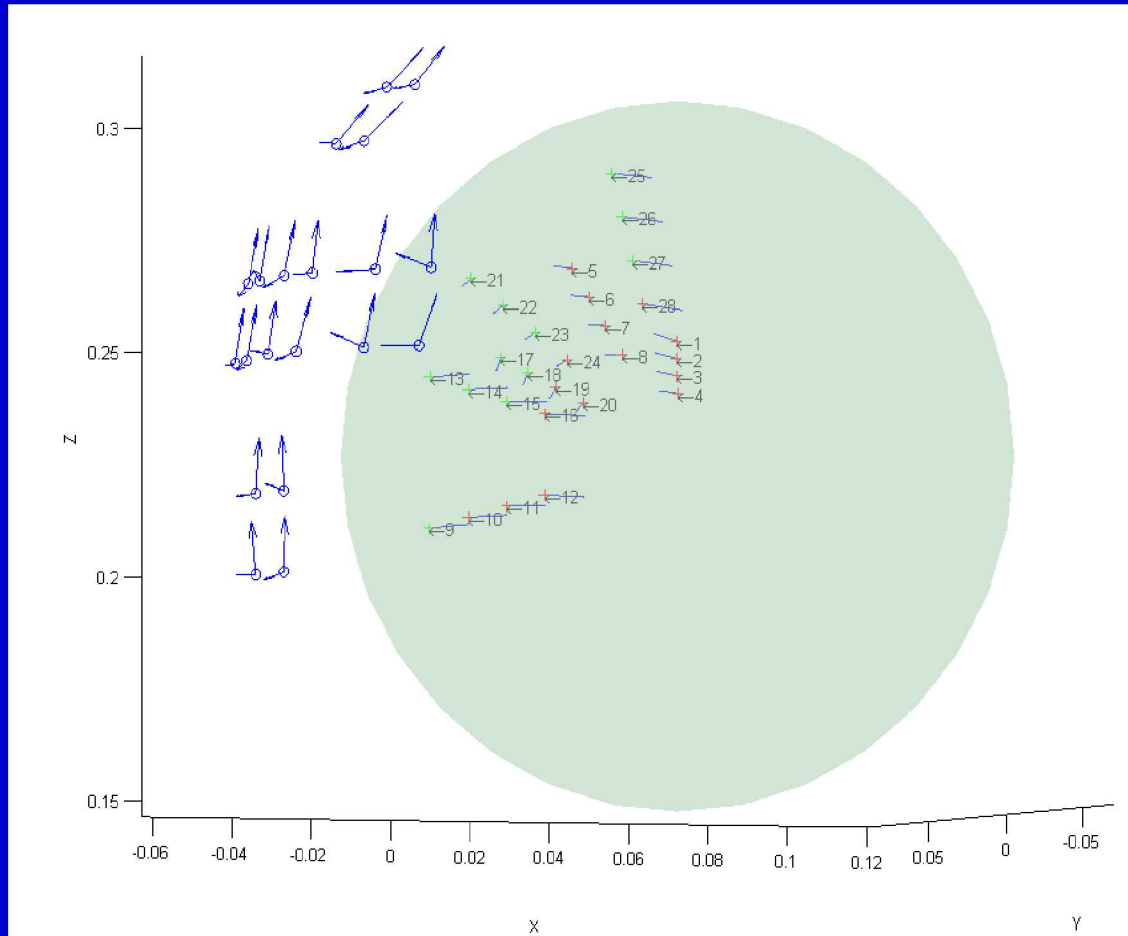
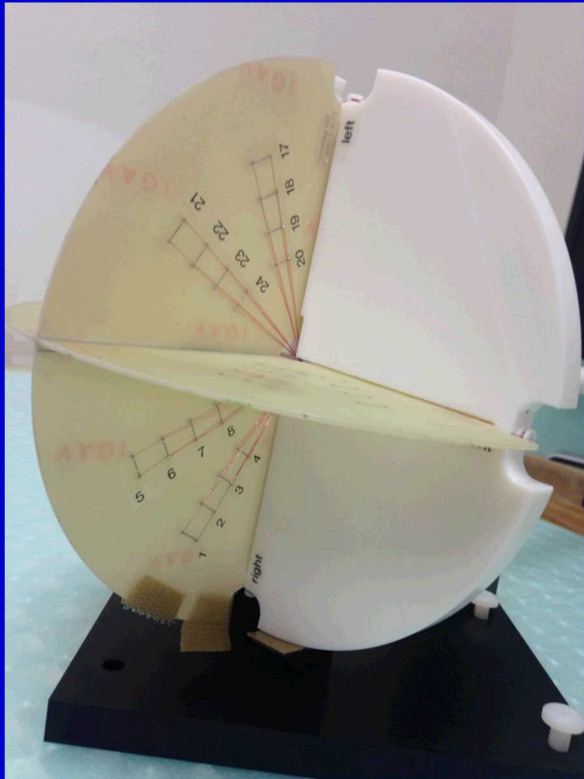
SAND2016-5600PE

5 sensor, 20 channel array

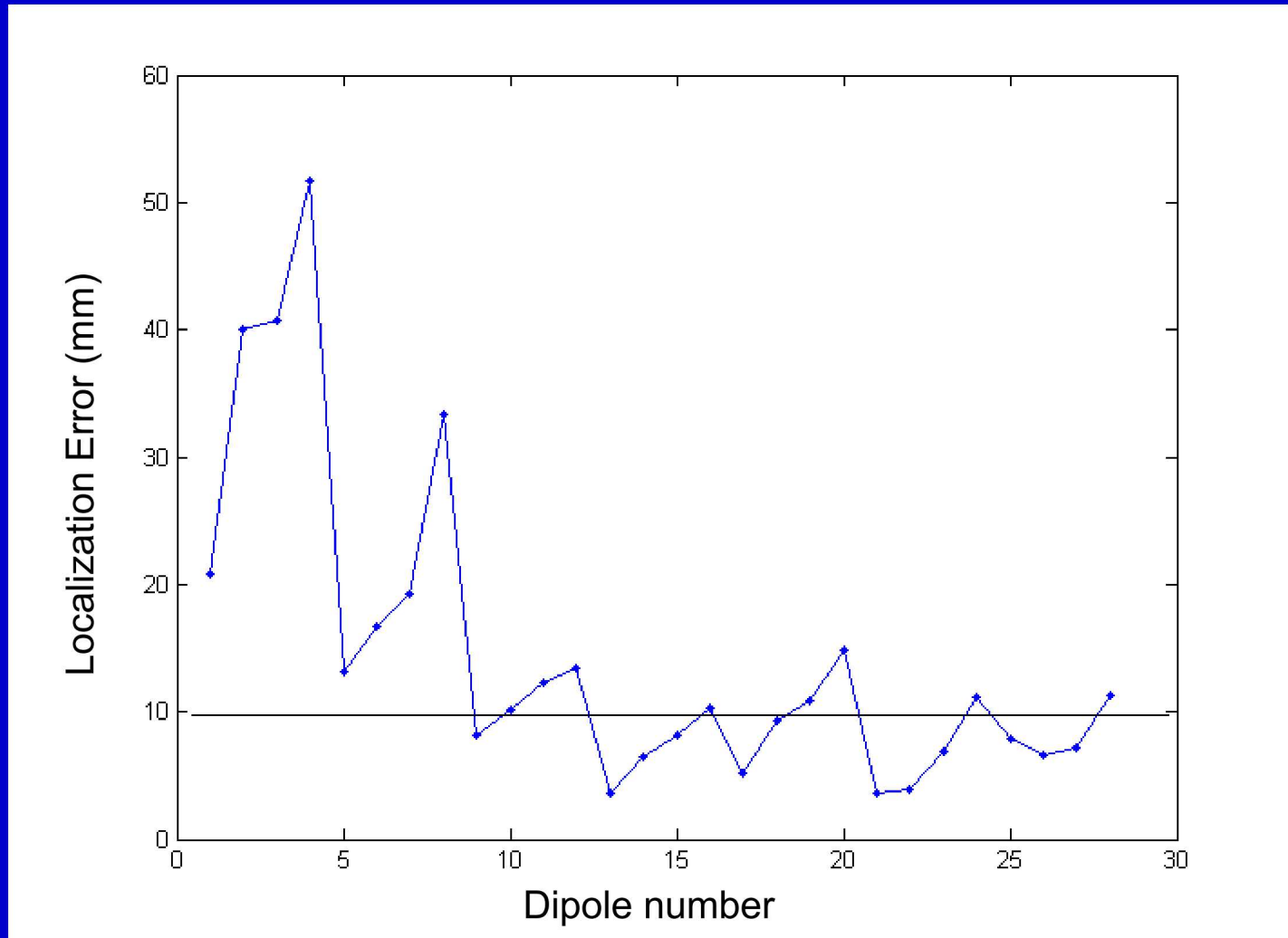


Phantom Studies

- Old Neuromag phantom
- Applied 1 mA at 10 Hz
- Green mark indicates < 10 mm localization accuracy

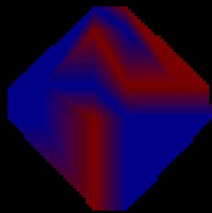


Phantom dipole localization error



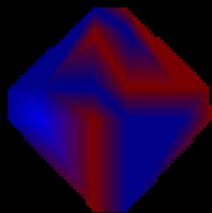
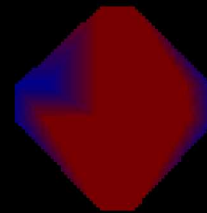
Field Maps of Dipole Sources

Horizontal Field

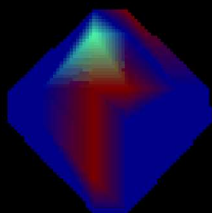
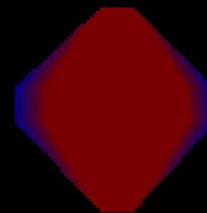


Measured

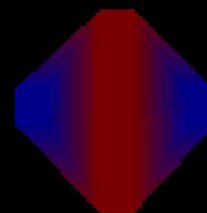
Vertical Field



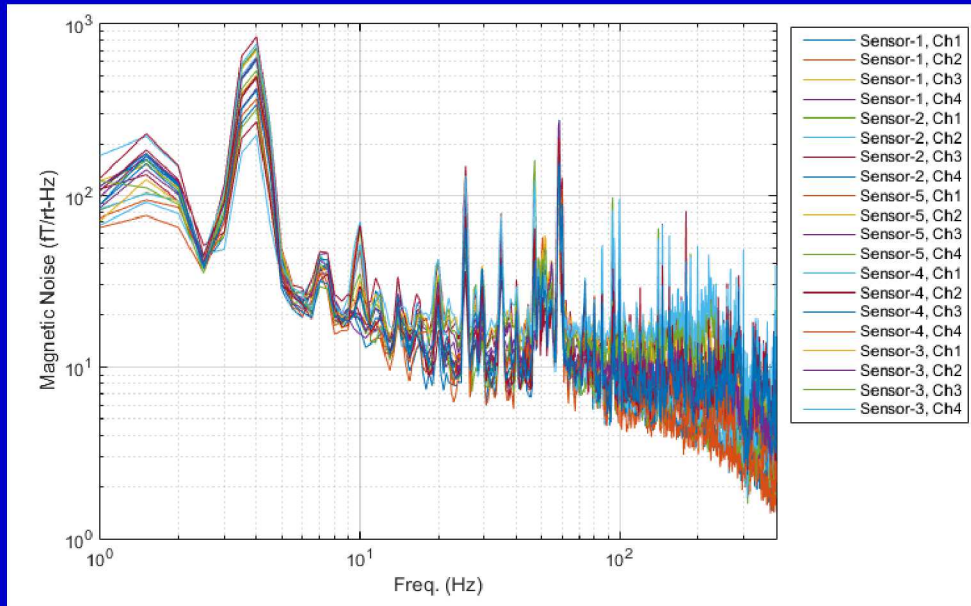
Simulated



Difference

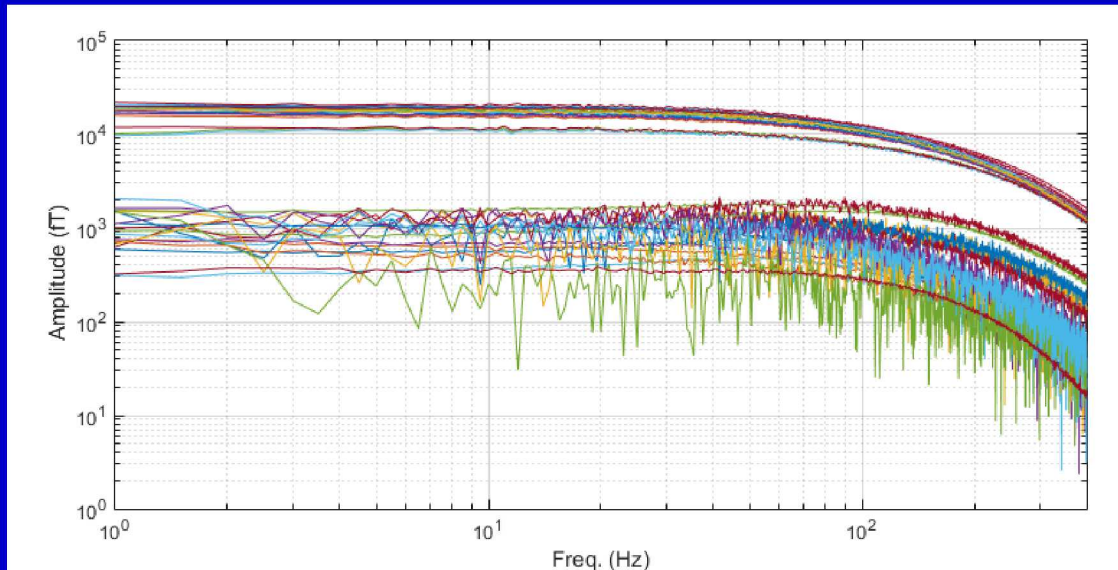
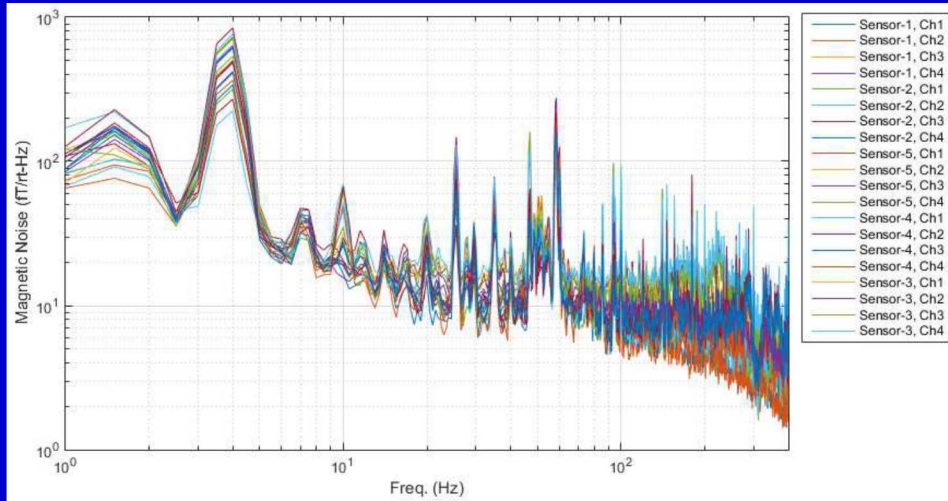


Measuring the Performance of the 20-Channel Array

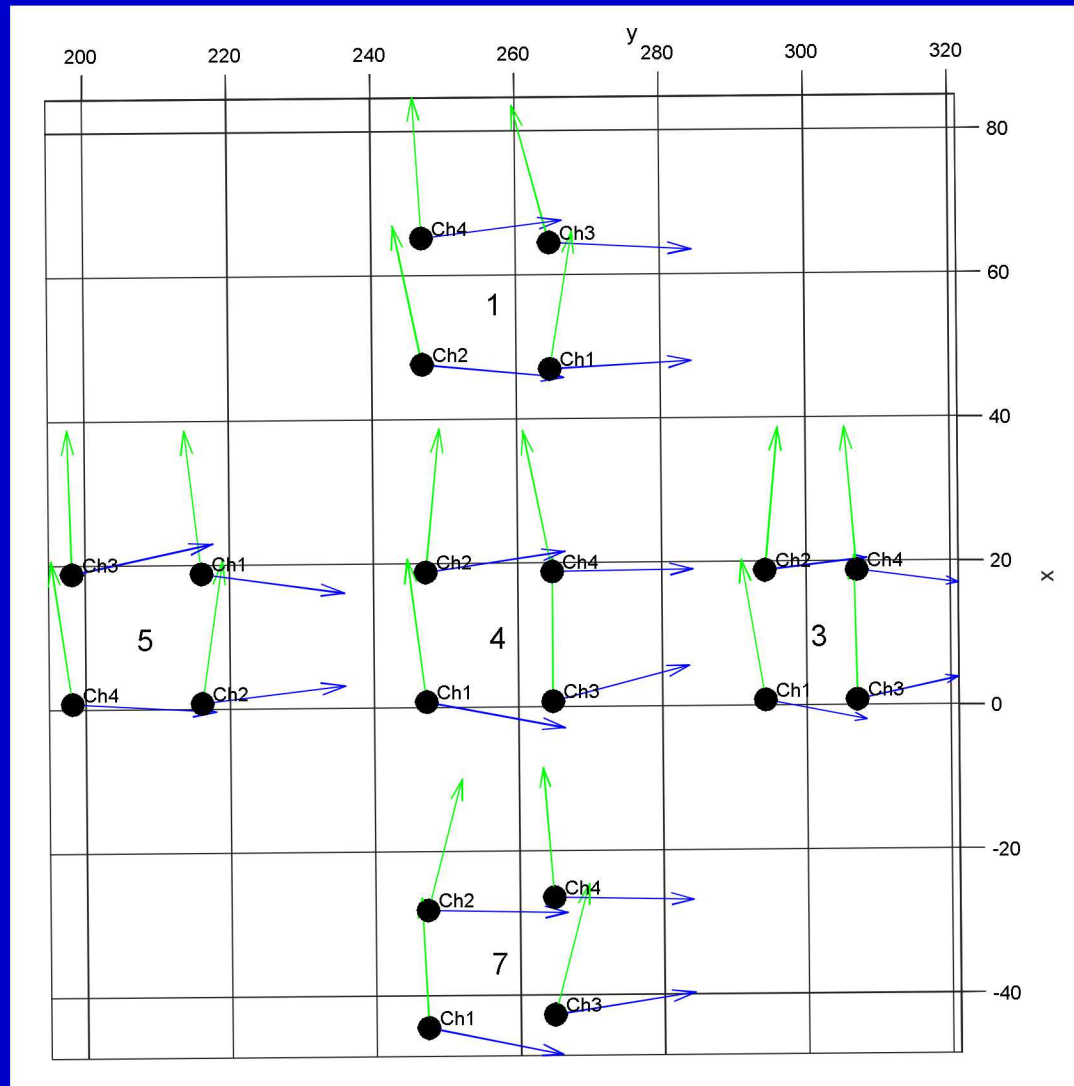


20 channel bandwidth

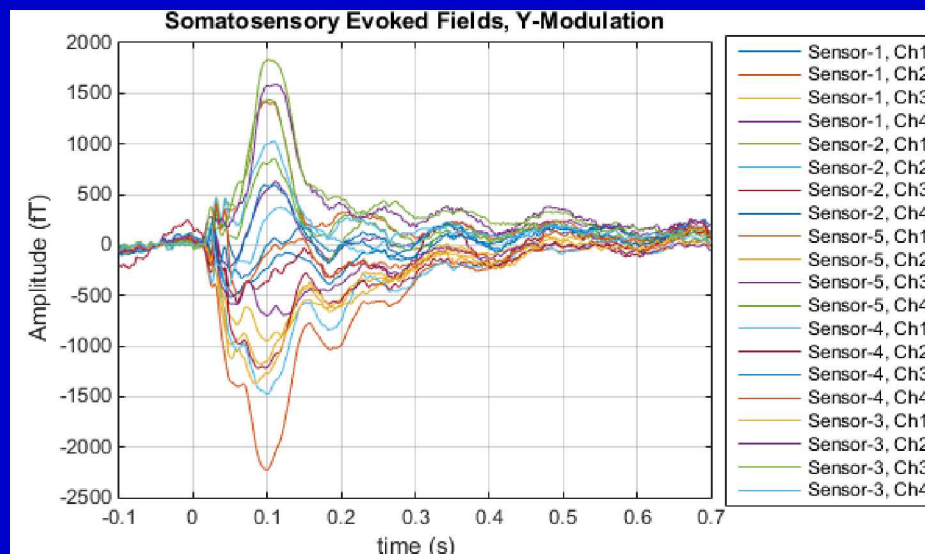
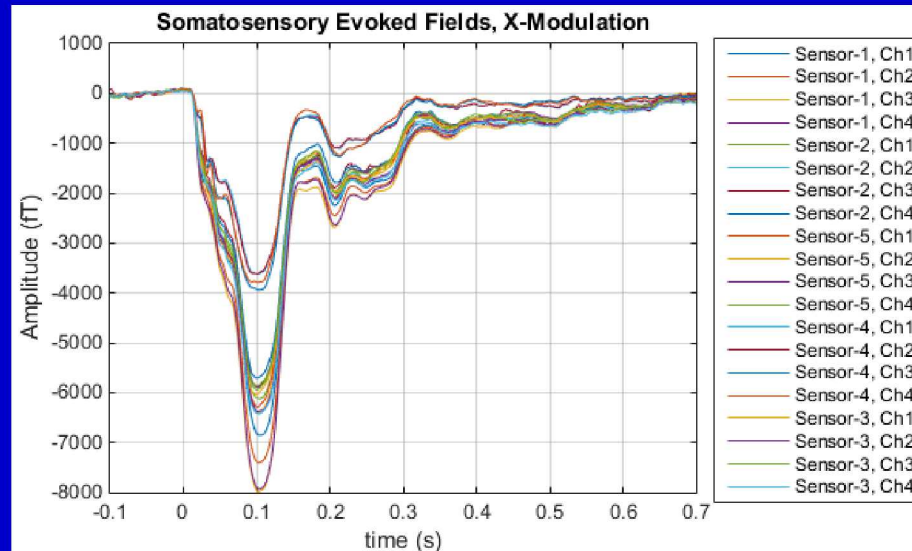
Gradiometer

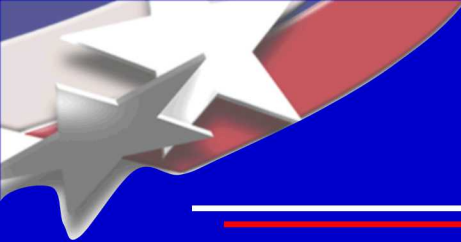


Field components measured

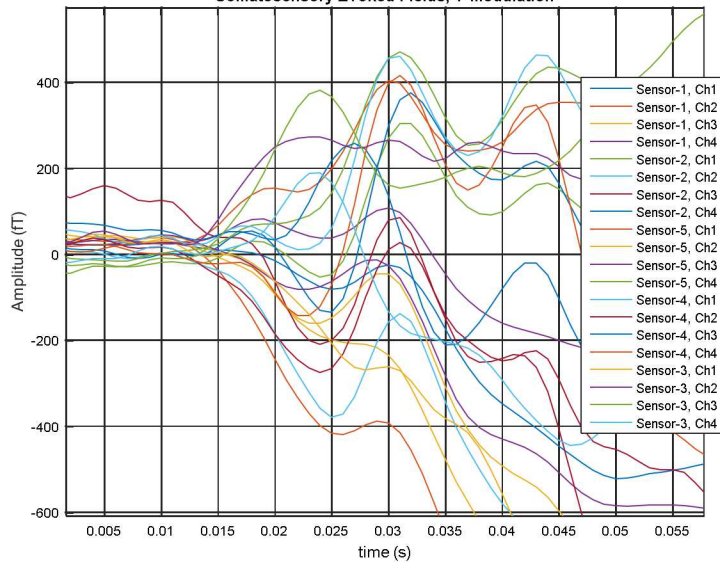


Median Nerve Stimulation Somatosensory Evoked Fields

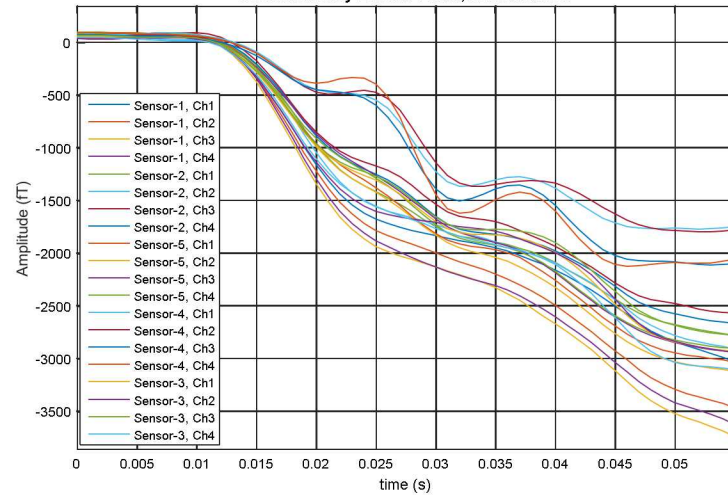




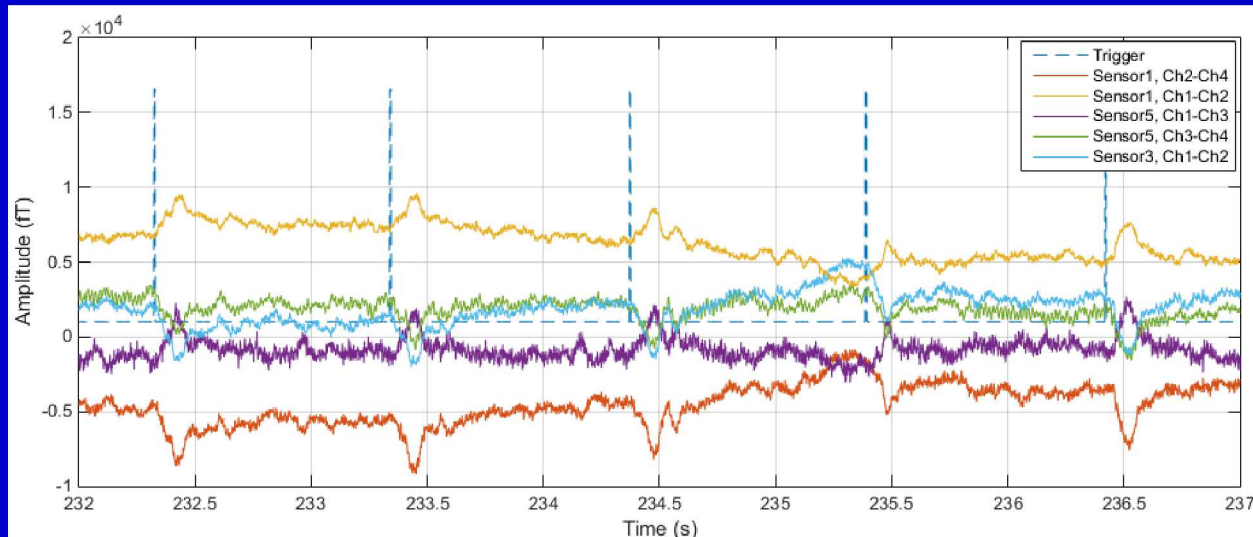
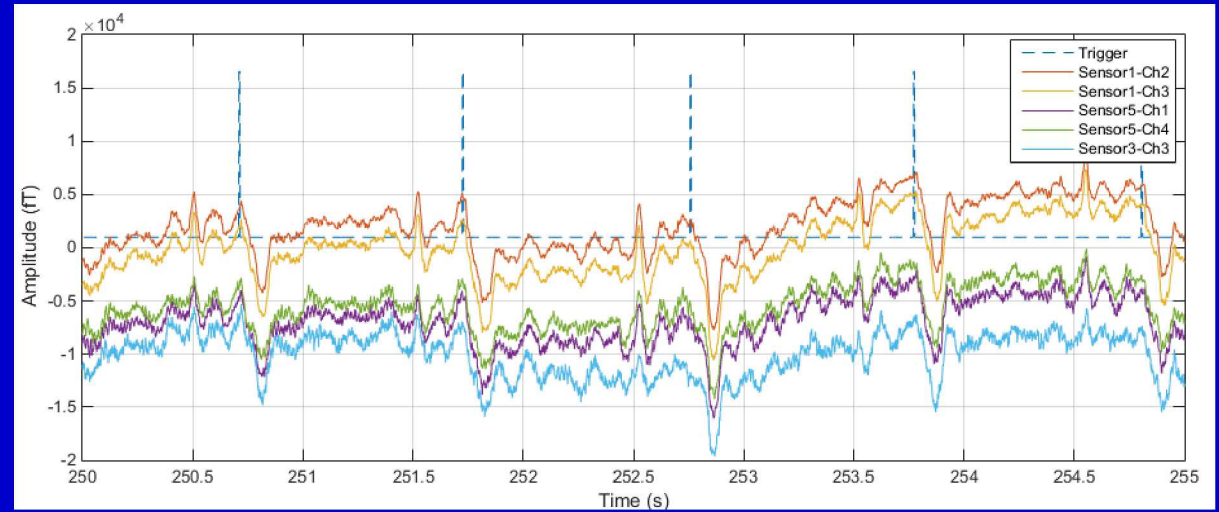
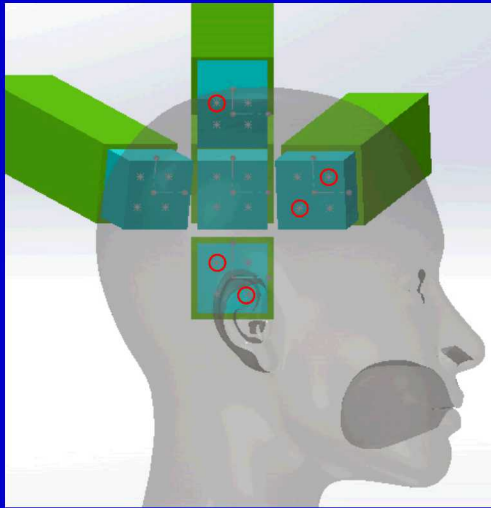
Somatosensory Evoked Fields, Y-Modulation



Somatosensory Evoked Fields, X-Modulation



SEF Single trial, Unfiltered Waveforms



Auditory Stimulation

Auditory Evoked Fields

