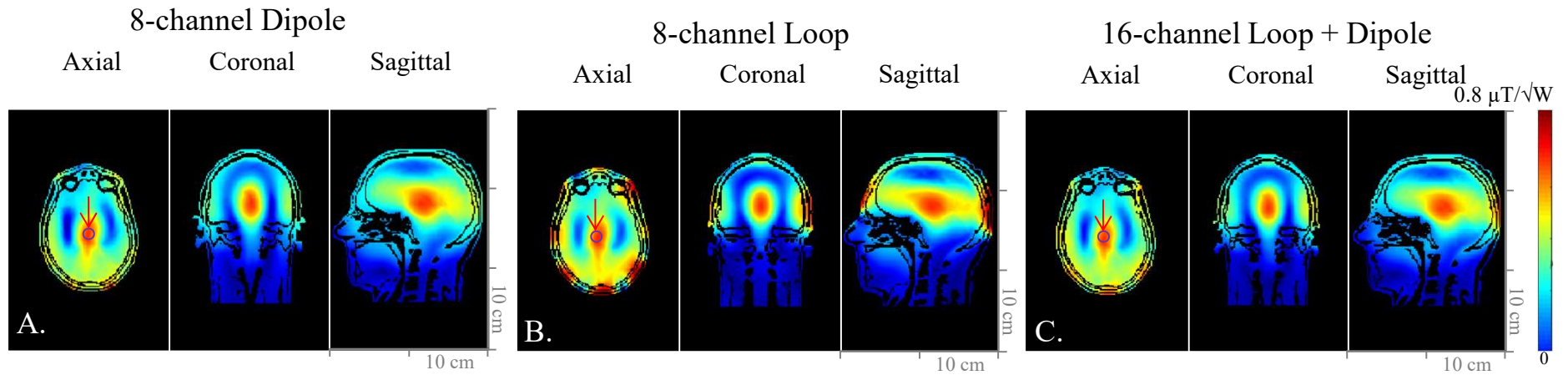
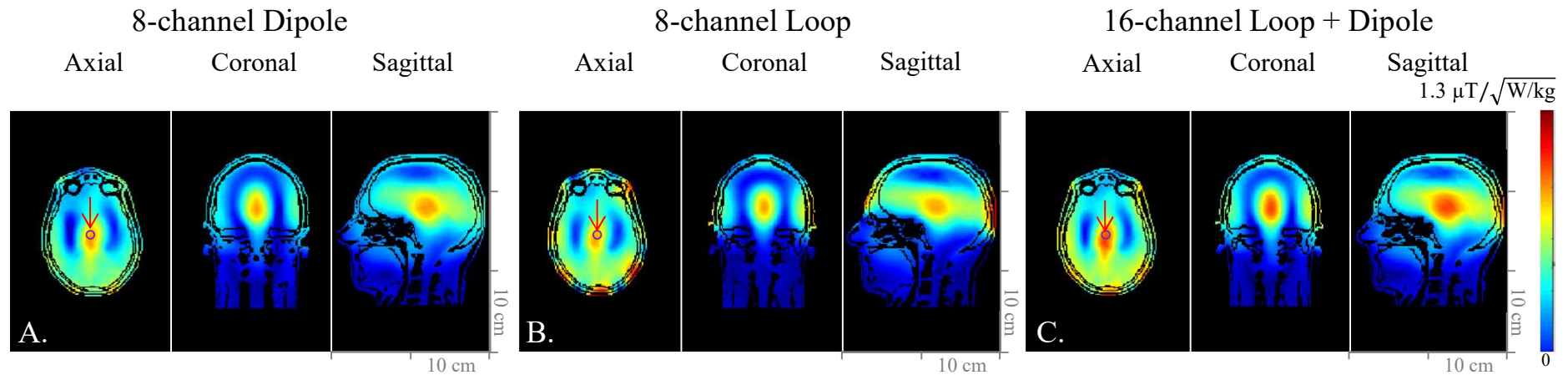


B_1^+ efficiency (B_1^+/\sqrt{W}) -Simulation



SAR efficiency ($B_1^+ / \sqrt{\text{peak } 10 \text{ g SAR}}$)



SUPPLEMENTARY FIGURE 1. Simulated B_1^+ efficiency (a-c) and SAR efficiency (d-f) maps of the 8-channel dipole antenna, the 8-channel loop, and the 16-channel LD arrays in the axial, coronal and sagittal planes.