

**APPENDIX A**

**Additional SAR Plots**

### SAR Plot for 800MHz Band - Left Head Tilt

DUT: HC700i Data Terminal; Date/Time: 10/6/2006 8:46:01 PM  
 Run #: CM-LEAR-061006-13 Sim. Tissue Temp: 19.1 (C)  
 Robot #: GEMS-2 Phantom #: SAMTP1022  
 Model #: F3130A SN: 629SGS0300  
 Antenna: Internal TX Freq: 813.5625 MHz  
 Battery: FNN7826A Start power: 0.681 W  
 Carry acc.: None Audio/Data acc.: None

Comments: 15 D Tilt position

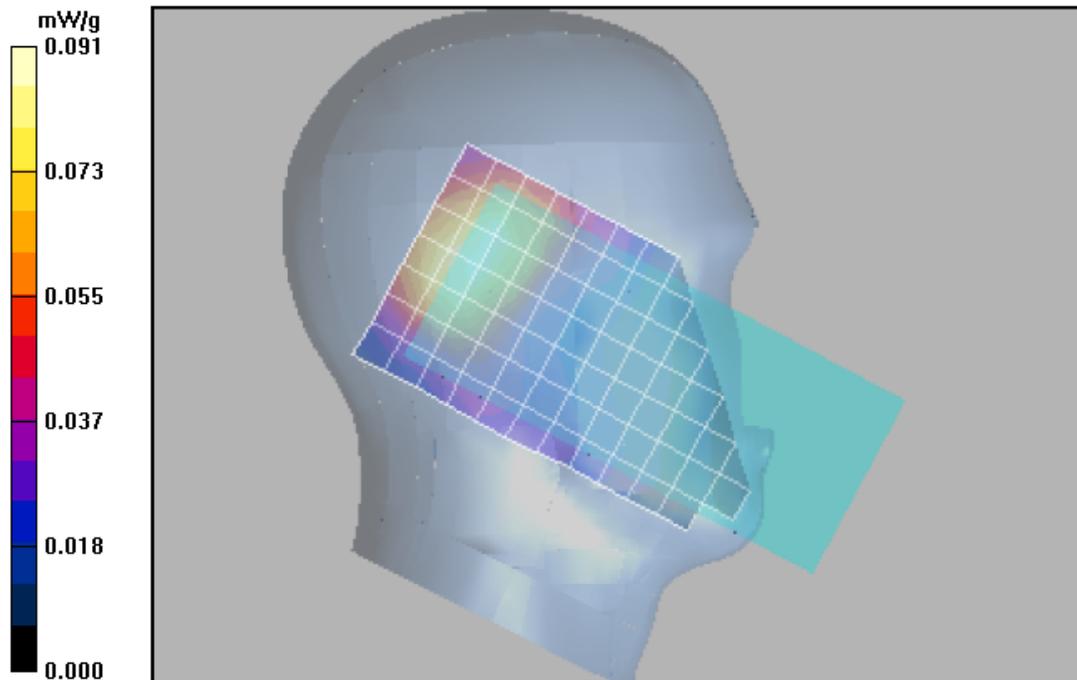
Probe: ET3DV6 - SN1393, Calibrated: 5/2/2006, ConvF(6.5, 6.5, 6.5)  
 Duty Cycle: 1:3, Medium: 815.5 IEEE Head, Medium parameters used:  $f = 815.5$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 41.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Electronics: DAE3 Sn401, Calibrated: 8/23/2006

**Left Ear - 15D Tilt position/Area Scan (71x151x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 9.87 V/m; Power Drift = 0.0372 dB  
 Motorola Fast SAR: SAR(1 g) = 0.0874 mW/g; SAR(10 g) = 0.0616 mW/g  
 Maximum value of SAR (interpolated) = 0.093 mW/g

**Left Ear - 15D Tilt position/Z Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.089 mW/g



### SAR Plot for 800MHz Band - Right Head Touch

DUT: HC-700i Data Terminal; Date/Time: 10/6/2006 9:12:45 PM  
 Run #: CM-REAR-061006-14 Sim. Tissue Temp: 19.1 (C)  
 Robot #: GEMS-2 Phantom #: SAMTP1022  
 Model #: F3130A SN: 629SGS0300  
 Antenna: Internal TX Freq: 813.5625 MHz  
 Battery: FNN7826A Start power: 0.681 W  
 Carry acc.: None Audio/Data acc.: None

Comments: Touch position

Probe: ET3DV6 - SN1393, Calibrated: 5/2/2006, ConvF(6.5, 6.5, 6.5)  
 Duty Cycle: 1:3, Medium: 815.5 IEEE Head, Medium parameters used:  $f = 815.5 \text{ MHz}$ ;  $\sigma = 0.93 \text{ mho/m}$ ;  $\epsilon_r = 41.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Electronics: DAE3 Sn401, Calibrated: 8/23/2006

**Right Ear - Touch position/Area Scan (71x151x1):** Measurement grid: dx=15mm, dy=15mm

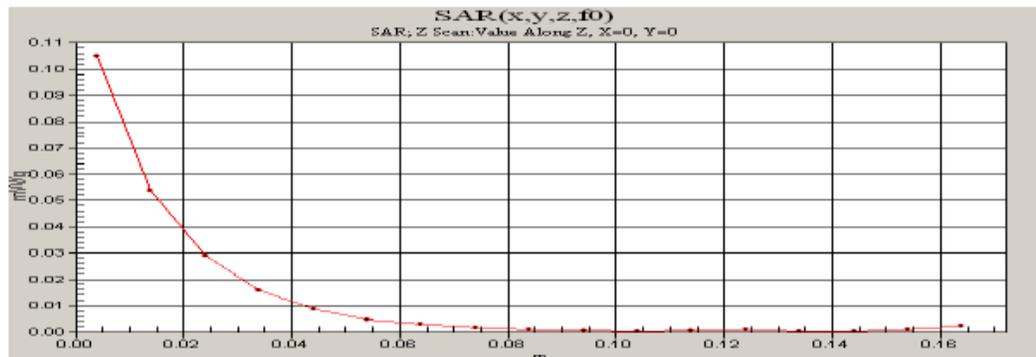
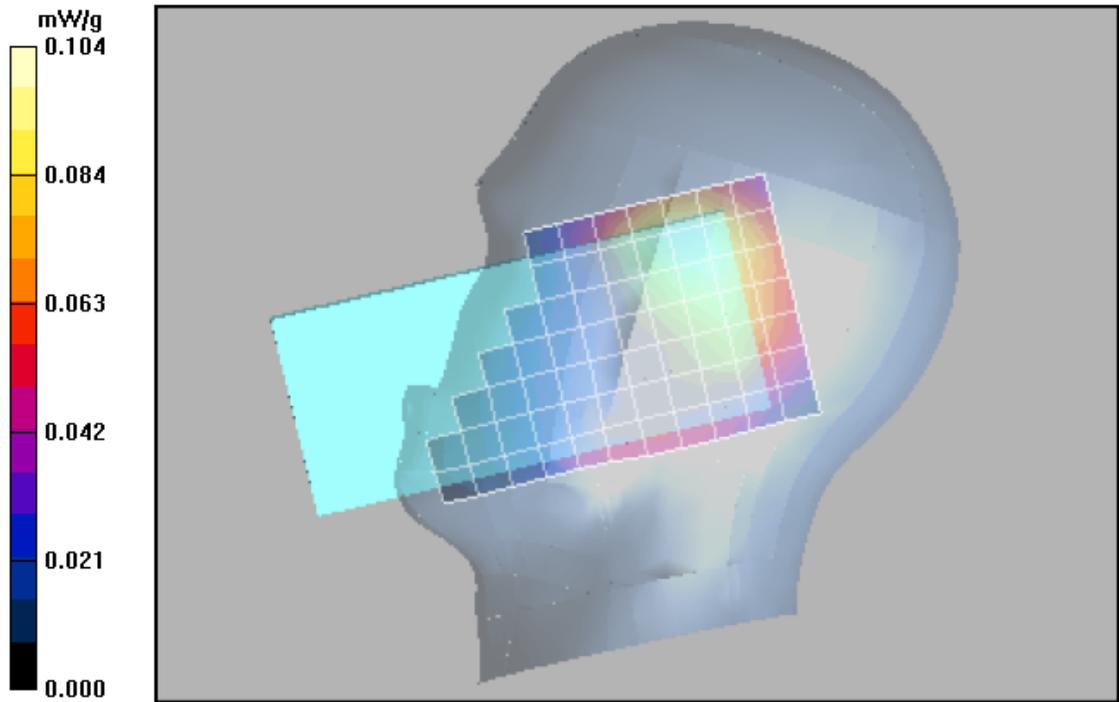
Reference Value = 9.43 V/m; Power Drift = 0.0274 dB

Motorola Fast SAR: SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.0721 mW/g

Maximum value of SAR (interpolated) = 0.108 mW/g

**Right Ear - Touch position/Z Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.105 mW/g



### SAR Plot for 800MHz Band - Right Head Tilt

DUT: HC-700i Data Terminal; Date/Time: 10/6/2006 9:30:22 PM  
 Run #: CM-REAR-061006-15 Sim. Tissue Temp: 19.2 (C)  
 Robot #: GEMS-2 Phantom #: SAMTP1022  
 Model #: F3130A SN: 629SGS0300  
 Antenna: Internal TX Freq: 813.5625 MHz  
 Battery: FNN7826A Start power: 0.681 W  
 Carry acc.: None Audio/Data acc.: None

Comments: 15 D Tilt position

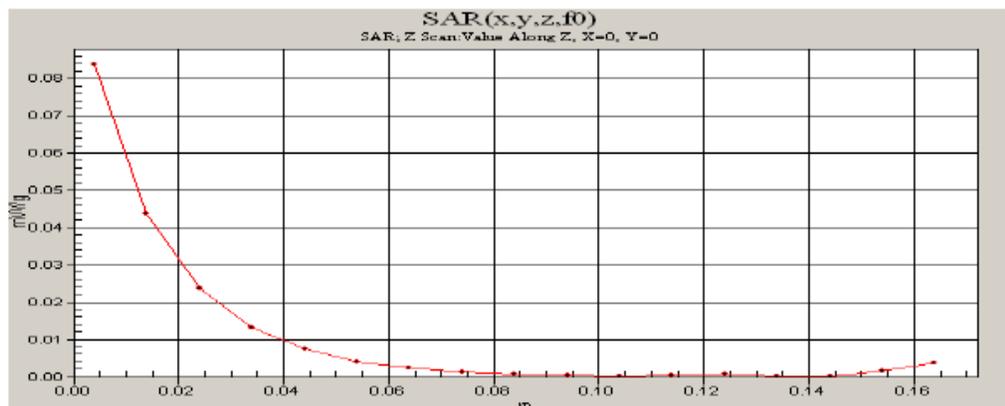
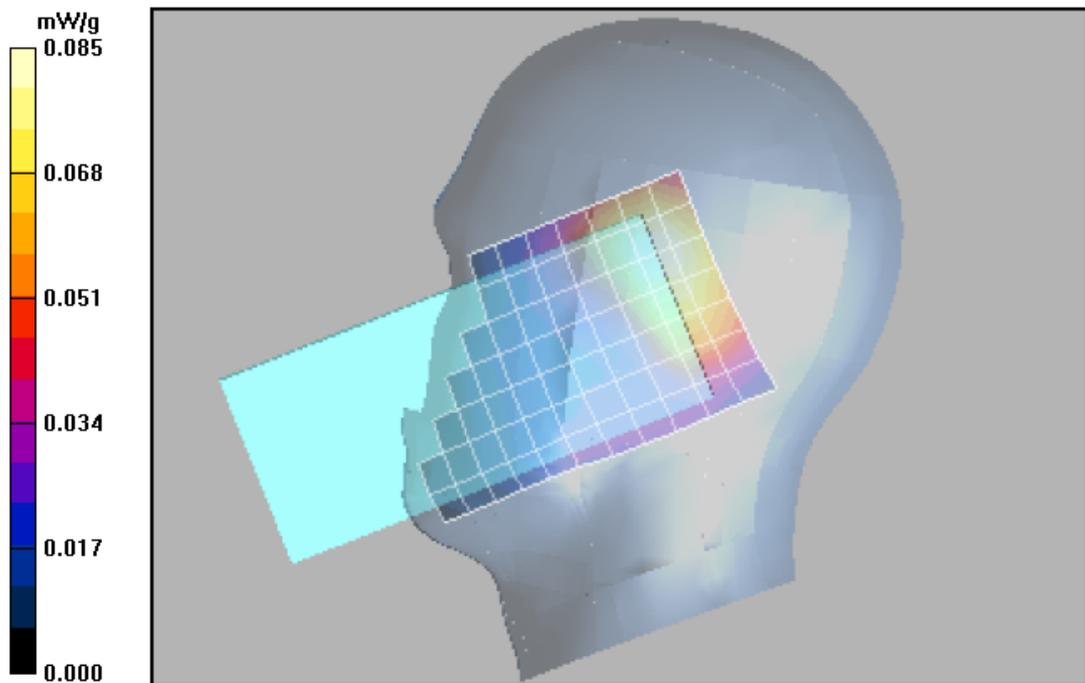
Probe: ET3DV6 - SN1393, Calibrated: 5/2/2006, ConvF(6.5, 6.5, 6.5)  
 Duty Cycle: 1:3, Medium: 815.5 IEEE Head, Medium parameters used:  $f = 815.5$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 41.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Electronics: DAE3 Sn401, Calibrated: 8/23/2006

**Right Ear - 15D Tilt position/Area Scan (71x151x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 8.76 V/m; Power Drift = 0.00444 dB  
 Motorola Fast SAR: SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.0589 mW/g  
 Maximum value of SAR (interpolated) = 0.088 mW/g

**Right Ear - 15D Tilt position/Z Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.084 mW/g



### SAR Plot for 900MHz Band - Left Head Touch

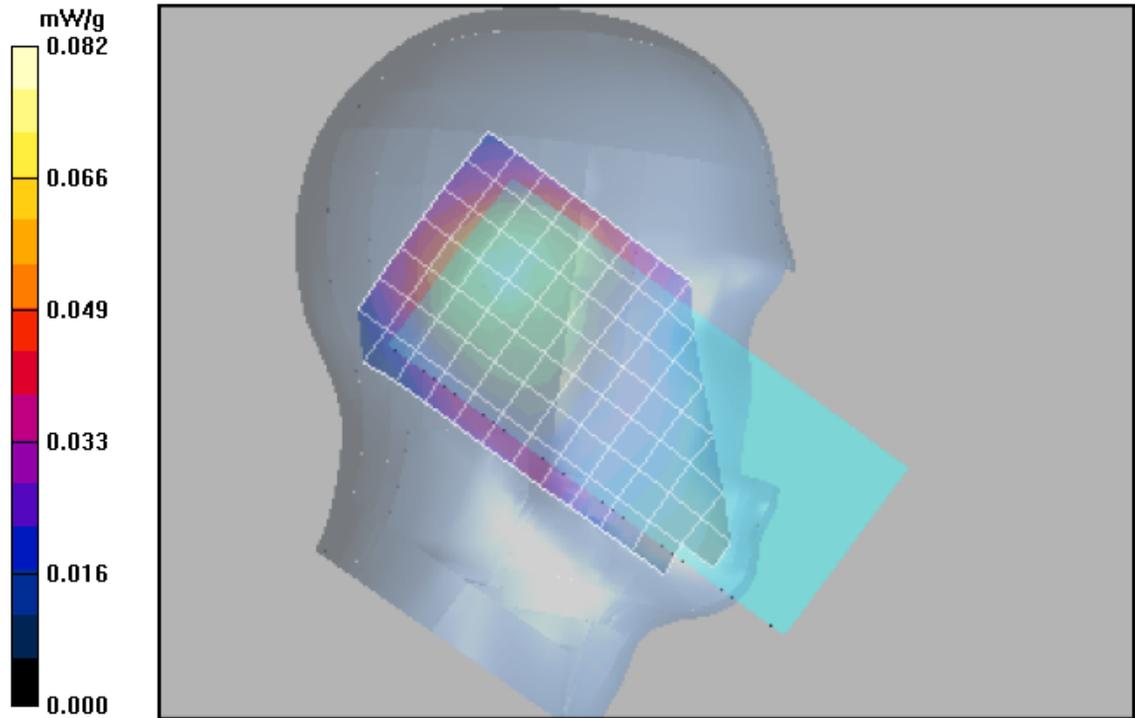
DUT: HC700i Data Terminal; Date/Time: 10/11/2006 9:14:23 PM  
 Run #: CM-LEAR-061011-11 Sim. Tissue Temp: 20.4 (C)  
 Robot #: GEMS-2 Phantom #: SAMTP1022  
 Model #: F3130A SN: 629SGS0300  
 Antenna: Internal TX Freq: 900.98125 MHz  
 Battery: FNN7826A Start power: 0.676 W  
 Carry acc.: None Audio/Data acc.: None

Comments: Touch position, BT ON.

Probe: ET3DV6 - SN1393, Calibrated: 5/2/2006, ConvF(6.5, 6.5, 6.5)  
 Duty Cycle: 1:3, Medium: 898.5 IEEE Head, Medium parameters used:  $f = 898 \text{ MHz}$ ;  $\sigma = 1.01 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Electronics: DAE3 Sn401, Calibrated: 8/23/2006

**Left Ear - Touch position/Area Scan (71x151x1):** Measurement grid: dx=15mm, dy=15mm  
 Reference Value = 8.57 V/m; Power Drift = -0.0198 dB  
**Motorola Fast SAR:** SAR(1 g) = 0.0773 mW/g; SAR(10 g) = 0.0539 mW/g  
 Maximum value of SAR (interpolated) = 0.083 mW/g

**Left Ear - Touch position/Z Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 0.079 mW/g



### SAR Plot for 900MHz Band - Left Head Tilt

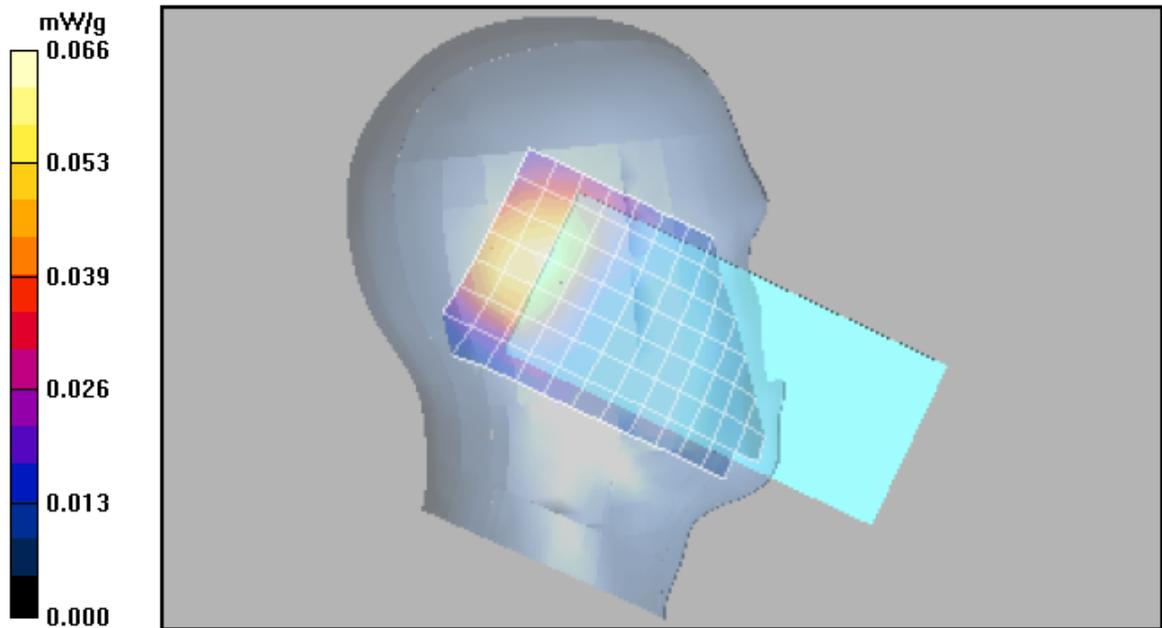
DUT: HC700i Data Terminal; Date/Time: 10/11/2006 6:06:10 PM  
 Run #: CM-LEAR-061011-06 Sim. Tissue Temp: 20.3 (C)  
 Robot #: GEMS-2 Phantom #: SAMTP1022  
 Model #: F3130A SN: 629SGS0300  
 Antenna: Internal TX Freq: 900.98125 MHz  
 Battery: FNN7826A Start power: 0.676 W  
 Carry acc.: None Audio/Data acc.: None

Comments: 15 D Tilt position

Probe: ET3DV6 - SN1393, Calibrated: 5/2/2006, ConvF(6.5, 6.5, 6.5)  
 Duty Cycle: 1:3, Medium: 898.5 IEEE Head, Medium parameters used:  $f = 898 \text{ MHz}$ ;  $\sigma = 1.01 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Electronics: DAE3 Sn401, Calibrated: 8/23/2006

**Left Ear - 15D Tilt position/Area Scan (71x151x1):** Measurement grid: dx=15mm, dy=15mm  
 Reference Value = 8.08 V/m; Power Drift = 0.088 dB  
**Motorola Fast SAR: SAR(1 g) = 0.0622 mW/g; SAR(10 g) = 0.0434 mW/g**  
 Maximum value of SAR (interpolated) = 0.067 mW/g

**Left Ear - 15D Tilt position/Z Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm



### SAR Plot for 900MHz Band – Right Head Touch

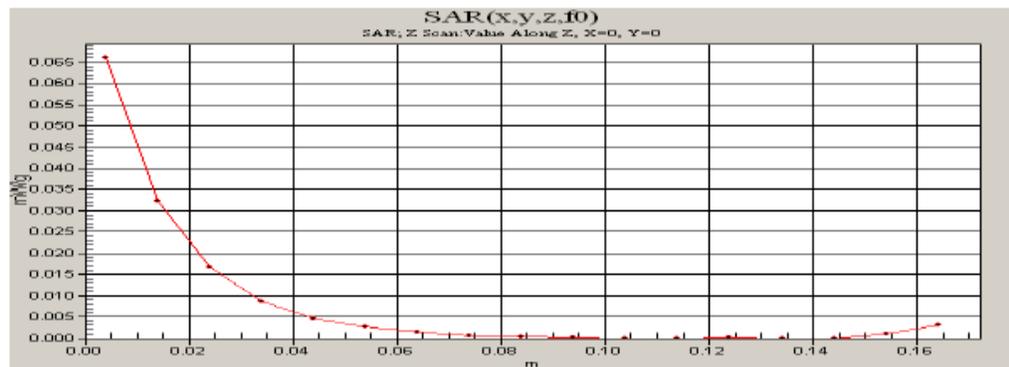
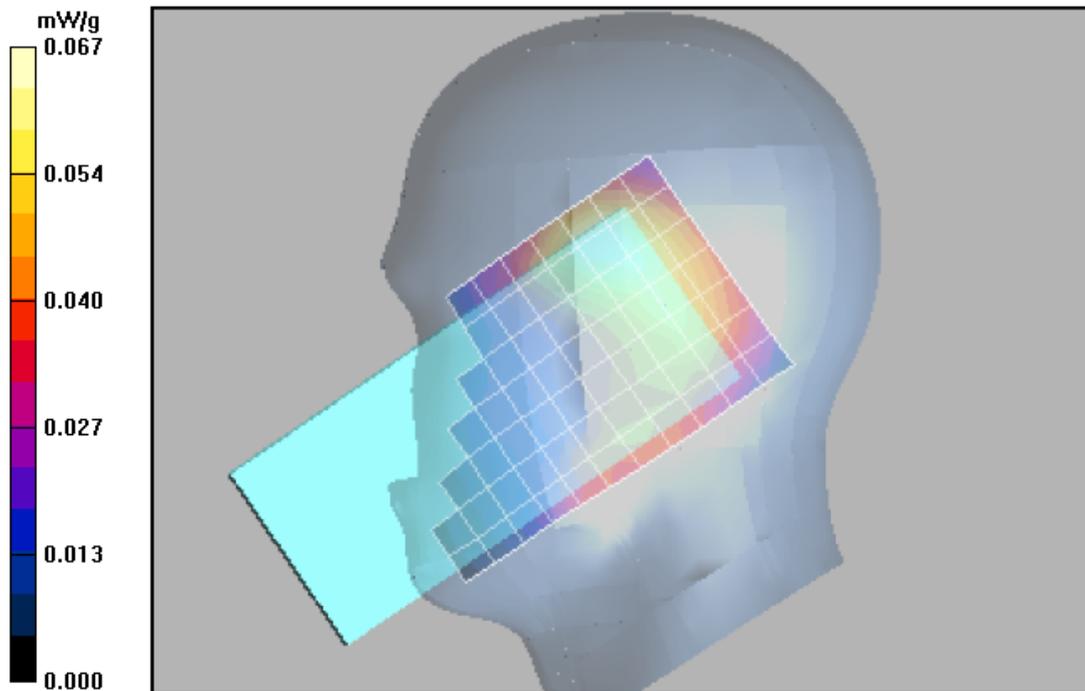
DUT: HC-700i Data Terminal; Date/Time: 10/11/2006 7:14:43 PM  
 Run #: CM-REAR-061011-07 Sim. Tissue Temp: 20.4 (C)  
 Robot #: GEMS-2 Phantom #: SAMTP1022  
 Model #: F3130A SN: 629SGS0300  
 Antenna: Internal TX Freq: 900.98125 MHz  
 Battery: FNN7826A Start power: 0.676 W  
 Carry acc.: None Audio/Data acc.: None

Comments: Touch position

Probe: ET3DV6 - SN1393, Calibrated: 5/2/2006, ConvF(6.5, 6.5, 6.5)  
 Duty Cycle: 1:3, Medium: 898.5 IEEE Head, Medium parameters used:  $f = 898$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Electronics: DAE3 Sn401, Calibrated: 8/23/2006

**Right Ear - Touch position/Area Scan (71x151x1):** Measurement grid: dx=15mm, dy=15mm  
 Reference Value = 7.57 V/m; Power Drift = 0.120 dB  
**Motorola Fast SAR: SAR(1 g) = 0.0649 mW/g; SAR(10 g) = 0.0454 mW/g**  
 Maximum value of SAR (interpolated) = 0.069 mW/g

**Right Ear - Touch position/Z Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 0.066 mW/g



### SAR Plot for 900MHz Band - Right Head Tilt

DUT: HC-700i Data Terminal; Date/Time: 10/11/2006 7:57:36 PM  
 Run #: CM-REAR-061011-08 Sim. Tissue Temp: 20.4 (C)  
 Robot #: GEMS-2 Phantom #: SAMTP1022  
 Model #: F3130A SN: 629SGS0300  
 Antenna: Internal TX Freq: 900.98125 MHz  
 Battery: FNN7826A Start power: 0.676 W  
 Carry acc.: None Audio/Data acc.: None

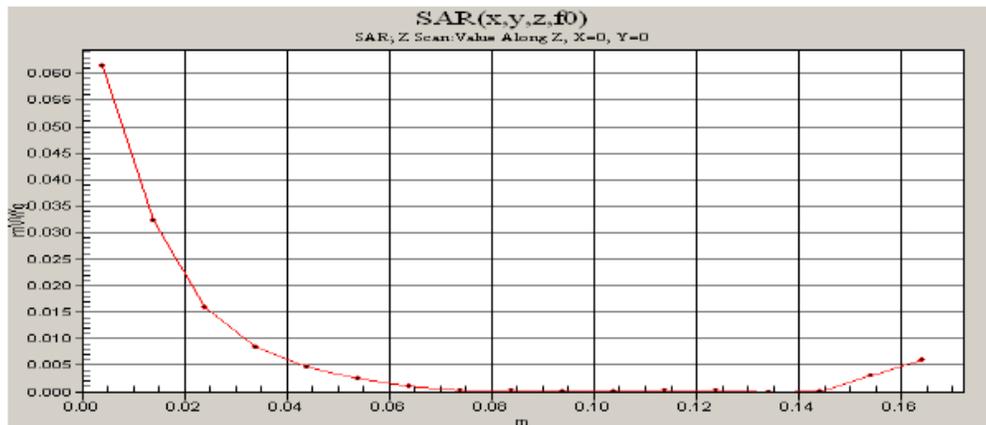
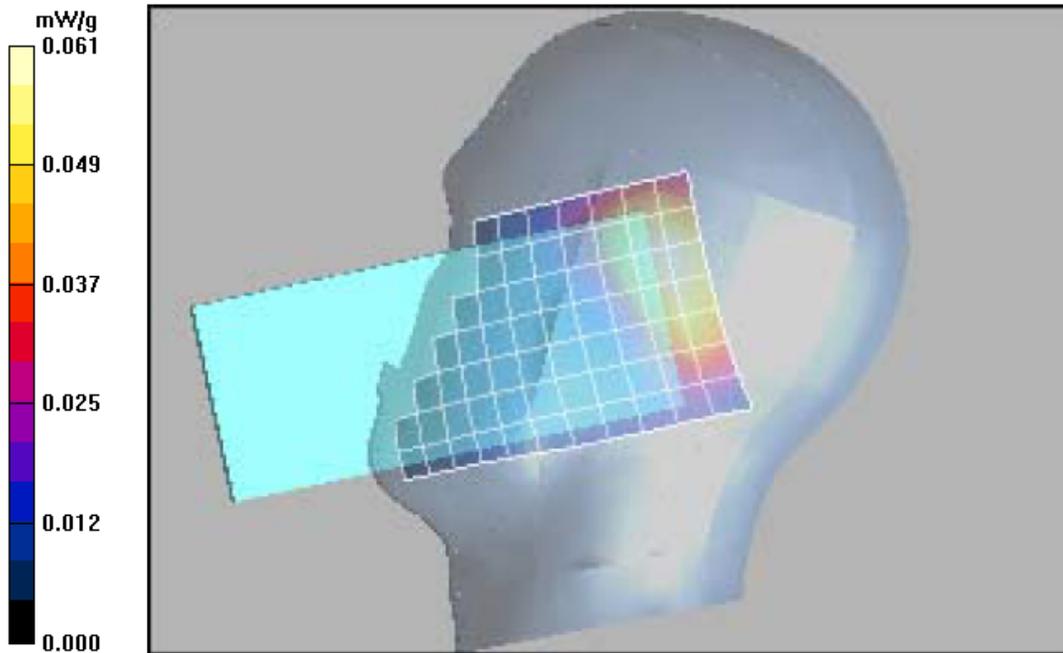
Comments: 15 D Tilt position

Probe: ET3DV6 - SN1393, Calibrated: 5/2/2006, ConvF(6.5, 6.5, 6.5)  
 Duty Cycle: 1:3, Medium: 898.5 IEEE Head, Medium parameters used:  $f = 898 \text{ MHz}$ ;  $\sigma = 1.01 \text{ mho/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Electronics: DAE3 Sn401, Calibrated: 8/23/2006

**Right Ear - 15D Tilt position/Area Scan (71x151x1):** Measurement grid: dx=15mm, dy=15mm

Reference Value = 6.28 V/m; Power Drift = -0.0189 dB  
 Motorola Fast SAR: SAR(1 g) = 0.0586 mW/g; SAR(10 g) = 0.0416 mW/g  
 Maximum value of SAR (interpolated) = 0.062 mW/g

**Right Ear - 15D Tilt position/Z Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm



### SAR Plot for 900MHz Band - Body

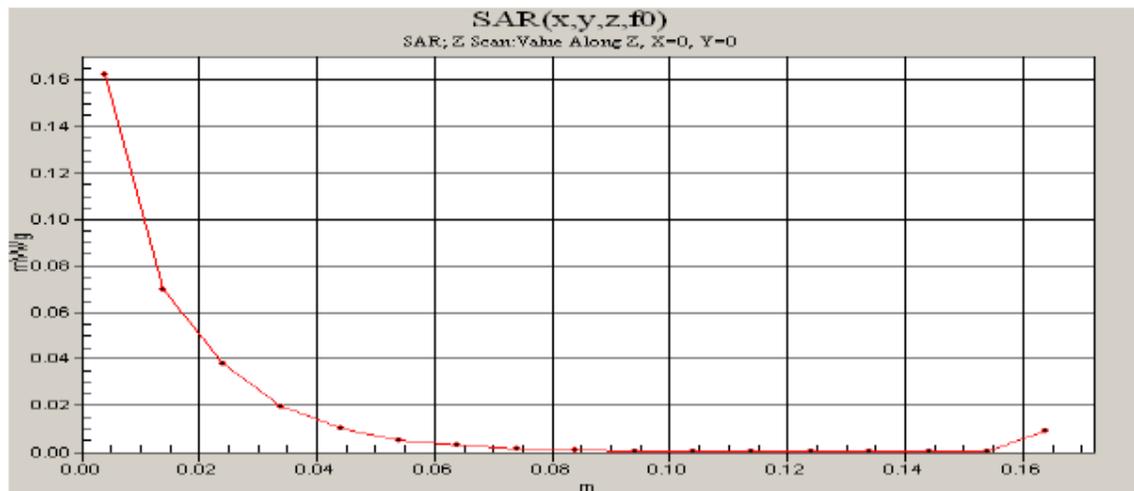
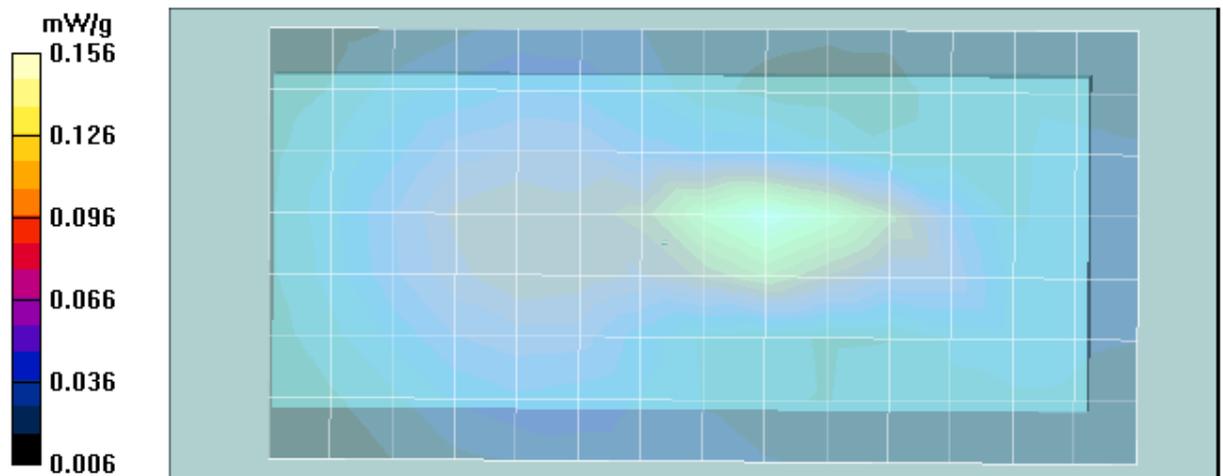
DUT: HC-700i Data Terminal; Date/Time: 10/10/2006 8:44:57 PM  
 Run #: CM-Ab-061010-11 Sim. Tissue Temp: 20.9 (C)  
 Robot #: GEMS-2 Phantom #: 80302002C/S9  
 Model #: F3130A SN: 629SGS0300  
 Antenna: Internal TX Freq: 896.01875 MHz  
 Battery: FNN7826A Start power: 0.681 W  
 Carry acc.: FTN7059A Audio/Data acc.: None

Comments:

Probe: ET3DV6 - SN1393, Calibrated: 5/2/2006, ConvF(6.22, 6.22, 6.22)  
 Duty Cycle: 1:1.5, Medium: 898.5 MHz FCC Body, Medium parameters used:  $f = 898.5$  MHz;  $\sigma = 1.05$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg  
 Electronics: DAE3 Sn401, Calibrated: 8/23/2006

**Body template/Area Scan (71x141x1):** Measurement grid: dx=15mm, dy=15mm  
 Reference Value = 10.8 V/m; Power Drift = -0.0848 dB  
**Motorola Fast SAR:** SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.0994 mW/g  
 Maximum value of SAR (interpolated) = 0.178 mW/g

**Body template/Z Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 0.162 mW/g



### SAR Plot for WLAN Band – Body

DUT: HC-700i Data Terminal; Date/Time: 10/18/2006 3:57:48 PM  
 Run #: MeC-Ab-061018-02 Sim. Tissue Temp: 21.2 (C)  
 Robot #: GEMS-2 Phantom #: 40302002B-S12  
 Model #: F3130A SN: 629SGS0300  
 Antenna: Internal TX Freq: 2462.0 MHz  
 Battery: FNN7826A Start power: 0.040 W  
 Carry acc.: FTN7059A Audio/Data acc.: None

Comments: Back of DUT against phantom

Probe: ET3DV6 - SN1393, Calibrated: 5/2/2006, ConvF(4.15, 4.15, 4.15)  
 Duty Cycle: 1:1, Medium: 2437 FCC Body, Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 50.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Electronics: DAE3 Sn401, Calibrated: 8/23/2006

**Ab Scan/Area Scan (71x151x1):** Measurement grid: dx=15mm, dy=15mm  
 Reference Value = 4.74 V/m; Power Drift = -1.86 dB  
**Motorola Fast SAR:** SAR(1 g) = 0.0572 mW/g; SAR(10 g) = 0.031 mW/g  
 Maximum value of SAR (interpolated) = 0.062 mW/g

**Ab Scan/Z Scan (1x1x17):** Measurement grid: dx=20mm, dy=20mm, dz=10mm  
 Maximum value of SAR (measured) = 0.053 mW/g

