

**WCDMA Band IV Left Tilt High (Battery 1)**

Date/Time: 4/28/2012 5:27:43 PM

Communication System: WCDMA ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8.37, 8.37, 8.37); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA IV Left/Tilt High/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.474 mW/g

**WCDMA IV Left/Tilt High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 0.714 W/kg

**SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.260 mW/g**

Maximum value of SAR (measured) = 0.479 mW/g

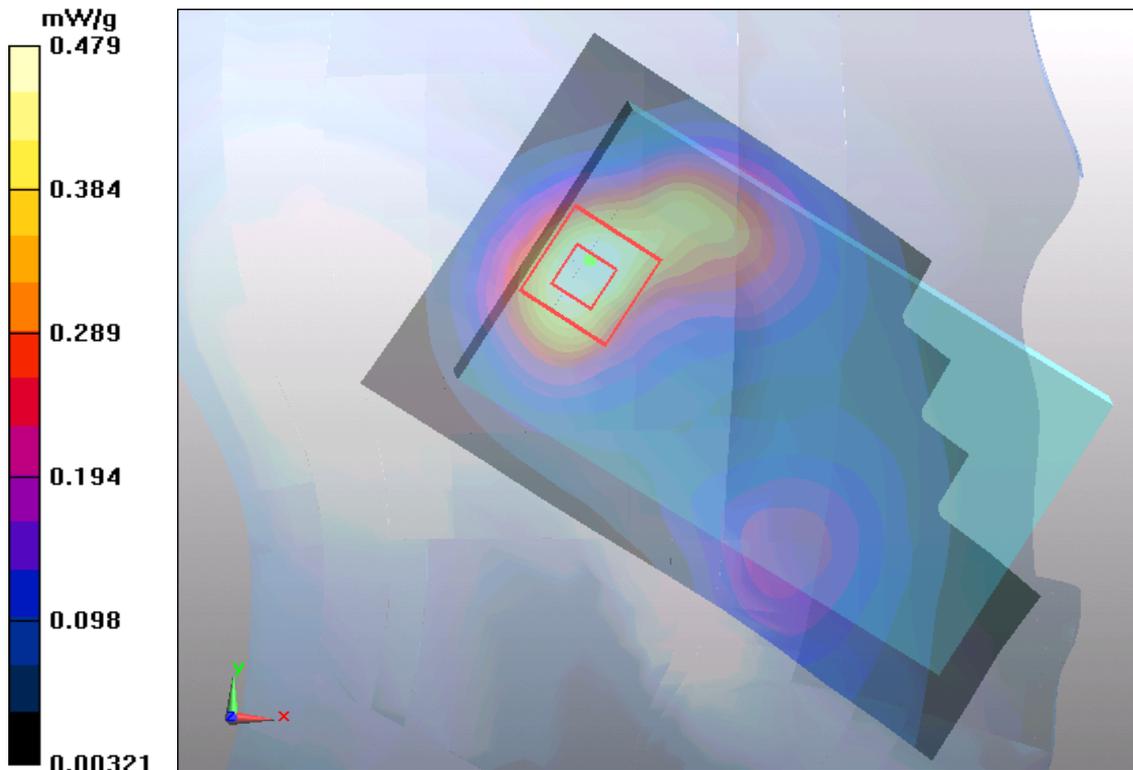


Figure 66 Left Hand Tilt 15° WCDMA Band IV Channel 1513

### WCDMA Band IV Left Tilt Middle (Battery 1)

Date/Time: 4/28/2012 5:10:37 PM

Communication System: WCDMA ; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8.37, 8.37, 8.37); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA IV Left/Tilt Middle/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.451 mW/g

**WCDMA IV Left/Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.8 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.674 W/kg

**SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.254 mW/g**

Maximum value of SAR (measured) = 0.461 mW/g

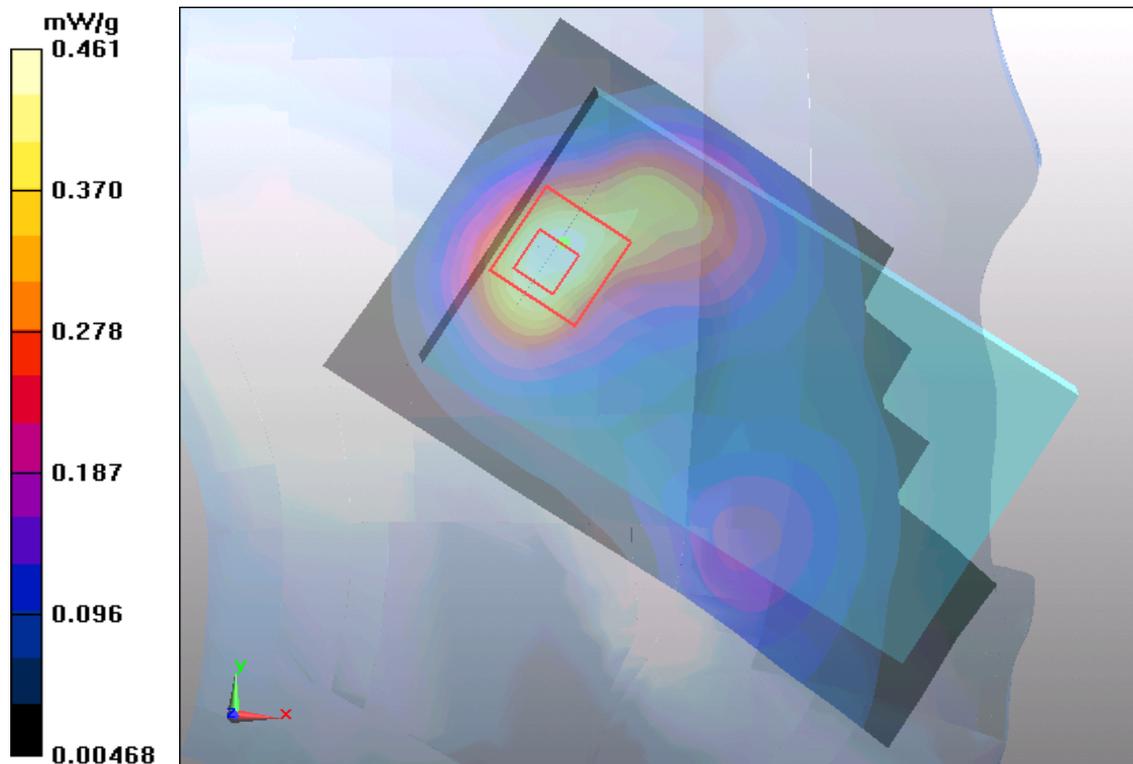


Figure 67 Left Hand Tilt 15° WCDMA Band IV Channel 1413

**WCDMA Band IV Left Tilt Low (Battery 1)**

Date/Time: 4/28/2012 4:53:39 PM

Communication System: WCDMA ; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8.37, 8.37, 8.37); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA IV Left/Tilt Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.450 mW/g

**WCDMA IV Left/Tilt Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.9 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 0.658 W/kg

**SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.254 mW/g**

Maximum value of SAR (measured) = 0.452 mW/g

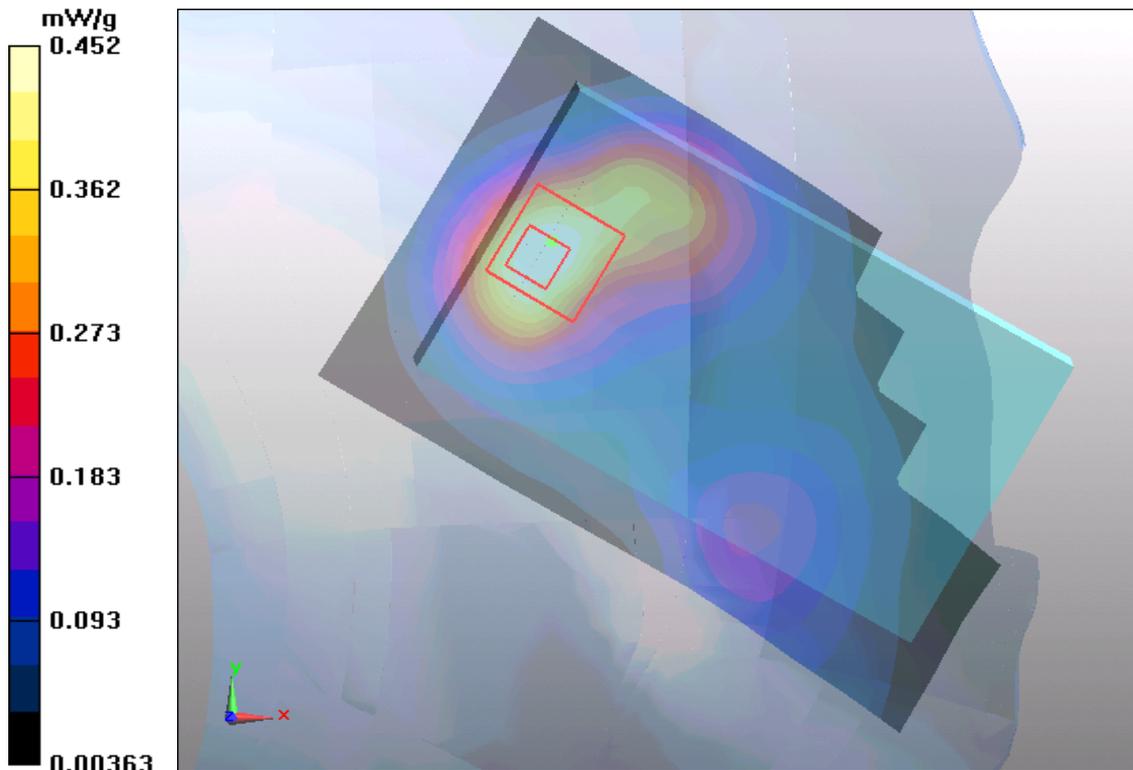


Figure 68 Left Hand Tilt 15° WCDMA Band IV Channel 1312

**WCDMA Band IV Right Cheek High (Battery 1)**

Date/Time: 4/28/2012 2:06:50 PM

Communication System: WCDMA ; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8.37, 8.37, 8.37); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA IV Right/Cheek High/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.654 mW/g

**WCDMA IV Right/Cheek High/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.754 W/kg

**SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.343 mW/g**

Maximum value of SAR (measured) = 0.554 mW/g

**WCDMA IV Right/Cheek High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.910 W/kg

**SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.391 mW/g**

Maximum value of SAR (measured) = 0.650 mW/g

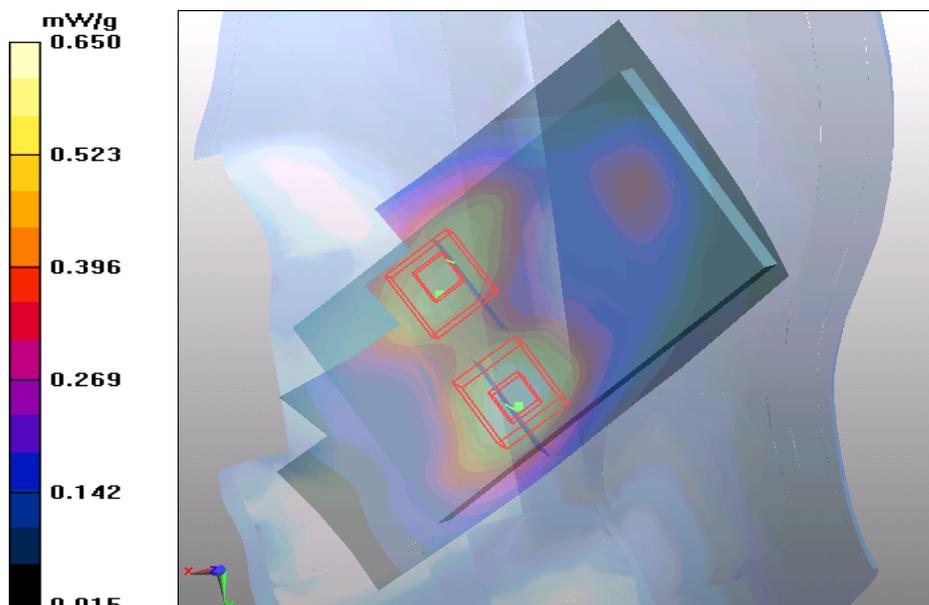


Figure 69 Right Hand Touch Cheek WCDMA Band IV Channel 1513

**WCDMA Band IV Right Cheek Middle (Battery 1)**

Date/Time: 4/28/2012 2:30:33 PM

Communication System: WCDMA ; Frequency: 1732.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8.37, 8.37, 8.37); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA IV Right/Cheek Middle/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.583 mW/g

**WCDMA IV Right/Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 0.827 W/kg

**SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.356 mW/g**

Maximum value of SAR (measured) = 0.605 mW/g

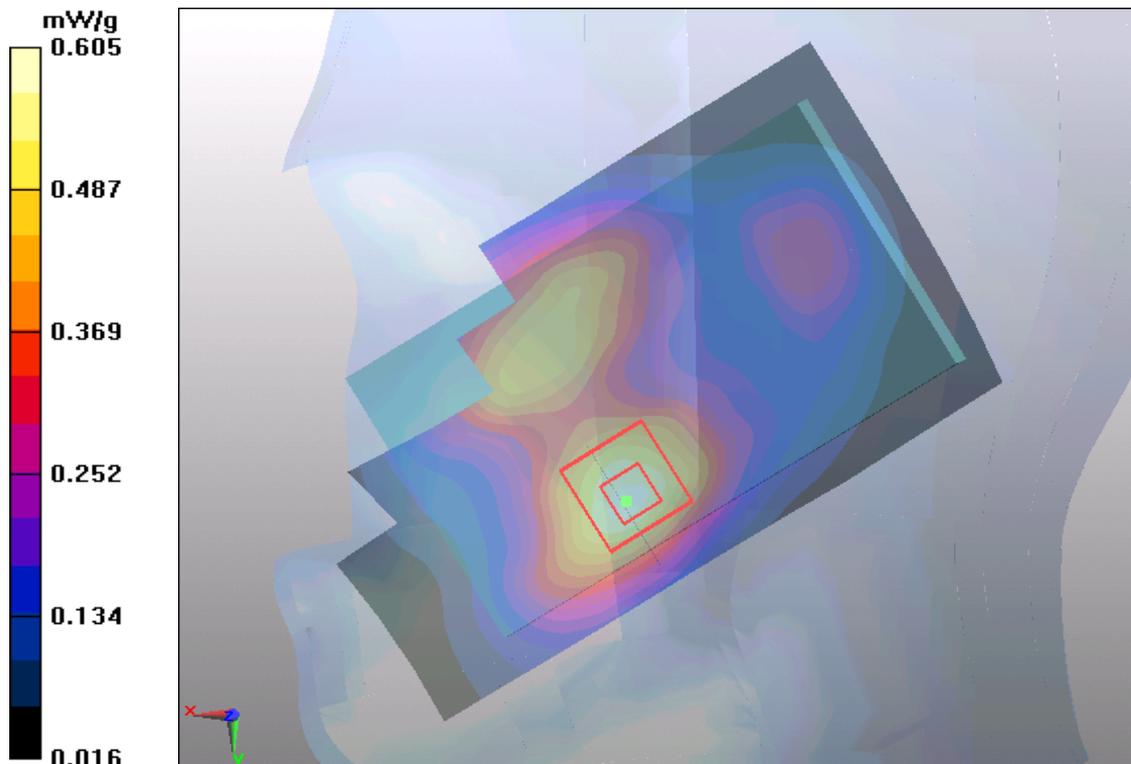


Figure 70 Right Hand Touch Cheek WCDMA Band IV Channel 1413

**WCDMA Band IV Right Cheek Low (Battery 1)**

Date/Time: 4/28/2012 2:47:00 PM

Communication System: WCDMA ; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8.37, 8.37, 8.37); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA IV Right/Cheek Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.581 mW/g

**WCDMA IV Right/Cheek Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,

dz=5mm

Reference Value = 13.5 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.815 W/kg

**SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.353 mW/g**

Maximum value of SAR (measured) = 0.600 mW/g

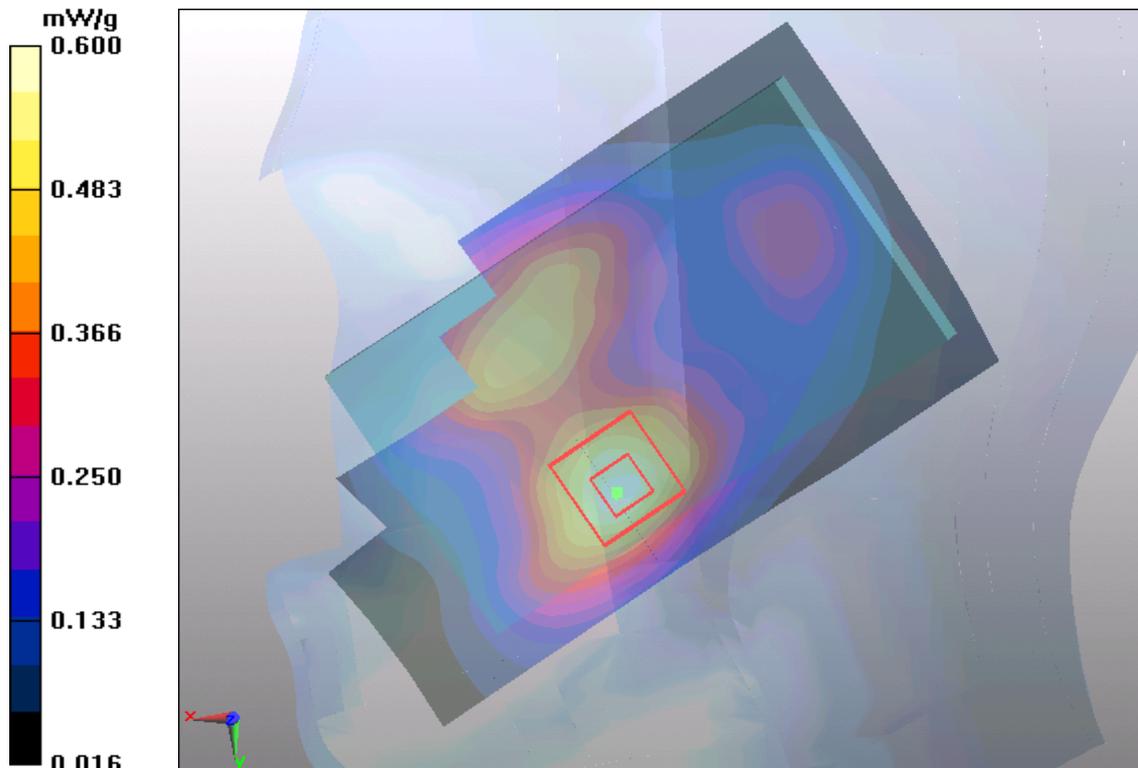


Figure 71 Right Hand Touch Cheek WCDMA Band IV Channel 1312

**WCDMA Band IV Right Tilt High (Battery 1)**

Date/Time: 4/28/2012 3:37:17 PM

Communication System: WCDMA ; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8.37, 8.37, 8.37); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA IV Right/Tilt High/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.494 mW/g

**WCDMA IV Right/Tilt High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,

dz=5mm

Reference Value = 17.9 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 0.738 W/kg

**SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.257 mW/g**

Maximum value of SAR (measured) = 0.506 mW/g

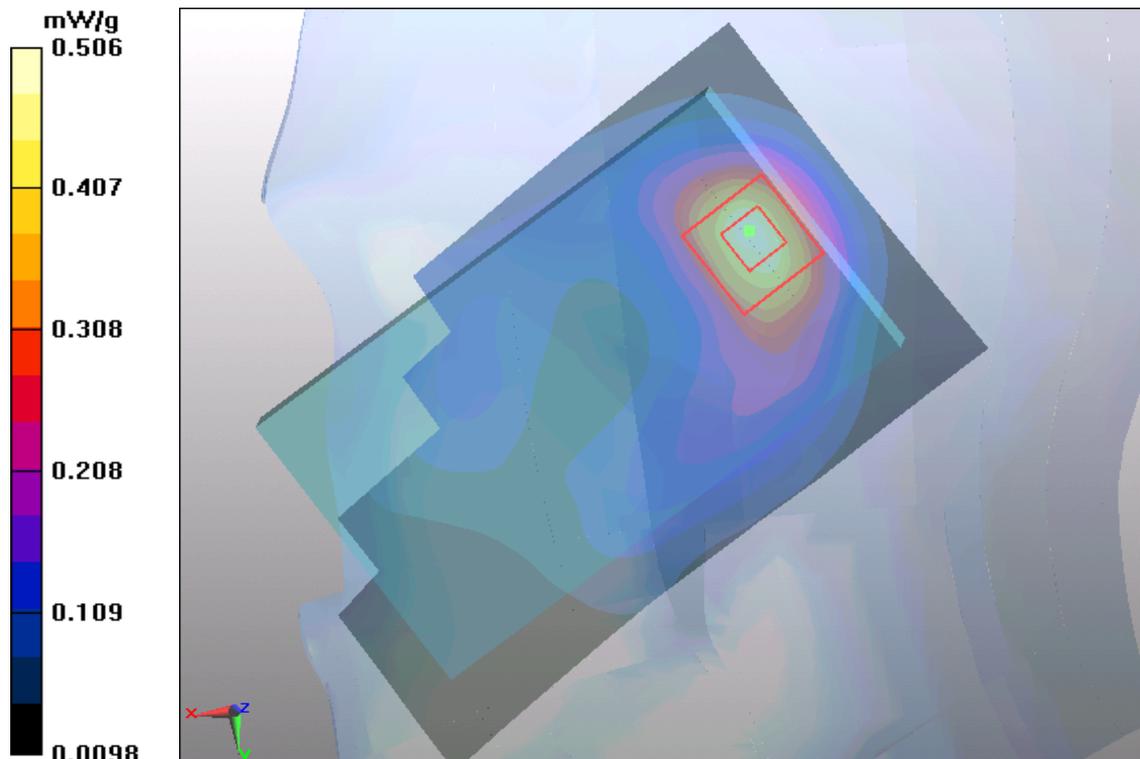


Figure 72 Right Hand Tilt 15° WCDMA Band IV Channel 1513

**WCDMA Band IV Right Tilt Middle (Battery 1)**

Date/Time: 4/28/2012 3:20:41 PM

Communication System: WCDMA ; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8.37, 8.37, 8.37); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA IV Right/Tilt Middle/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.467 mW/g

**WCDMA IV Right/Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,

dz=5mm

Reference Value = 17.4 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.687 W/kg

**SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.243 mW/g**

Maximum value of SAR (measured) = 0.475 mW/g

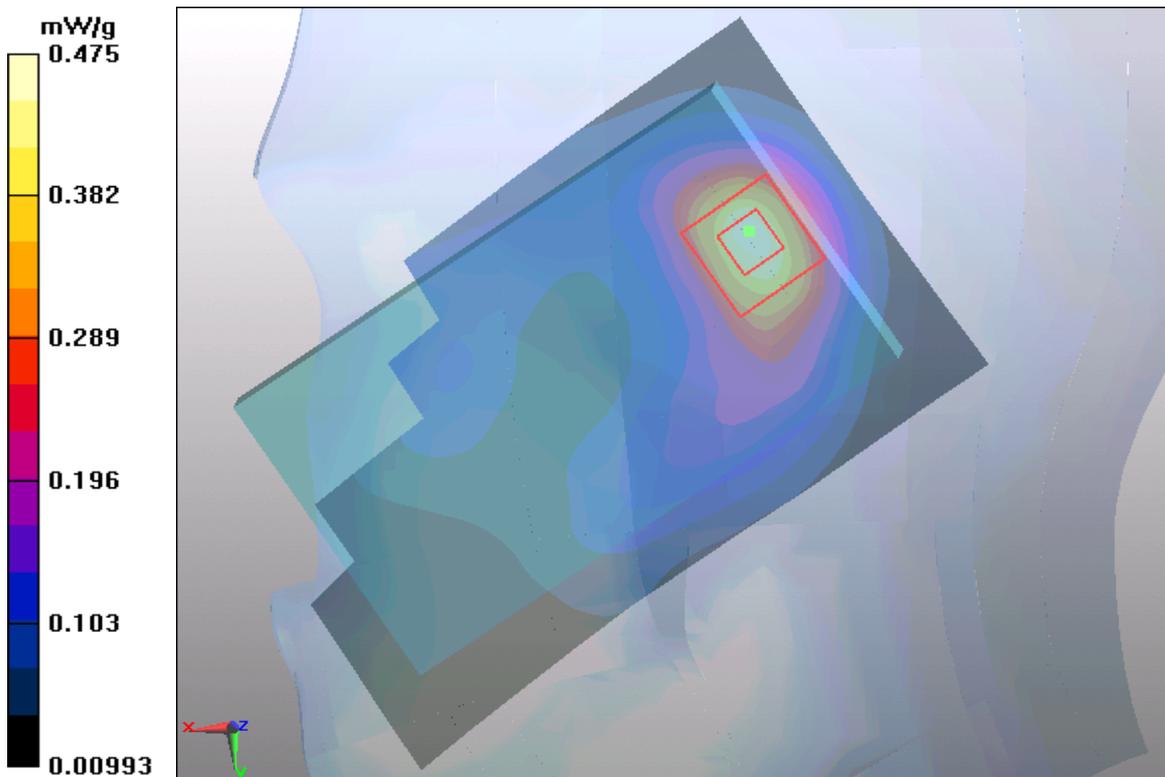


Figure 73 Right Hand Tilt 15° WCDMA Band IV Channel 1413

**WCDMA Band IV Right Tilt Low (Battery 1)**

Date/Time: 4/28/2012 3:04:12 PM

Communication System: WCDMA ; Frequency: 1712.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8.37, 8.37, 8.37); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA IV Right/Tilt Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.485 mW/g

**WCDMA IV Right/Tilt Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.8 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.696 W/kg

**SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.252 mW/g**

Maximum value of SAR (measured) = 0.487 mW/g

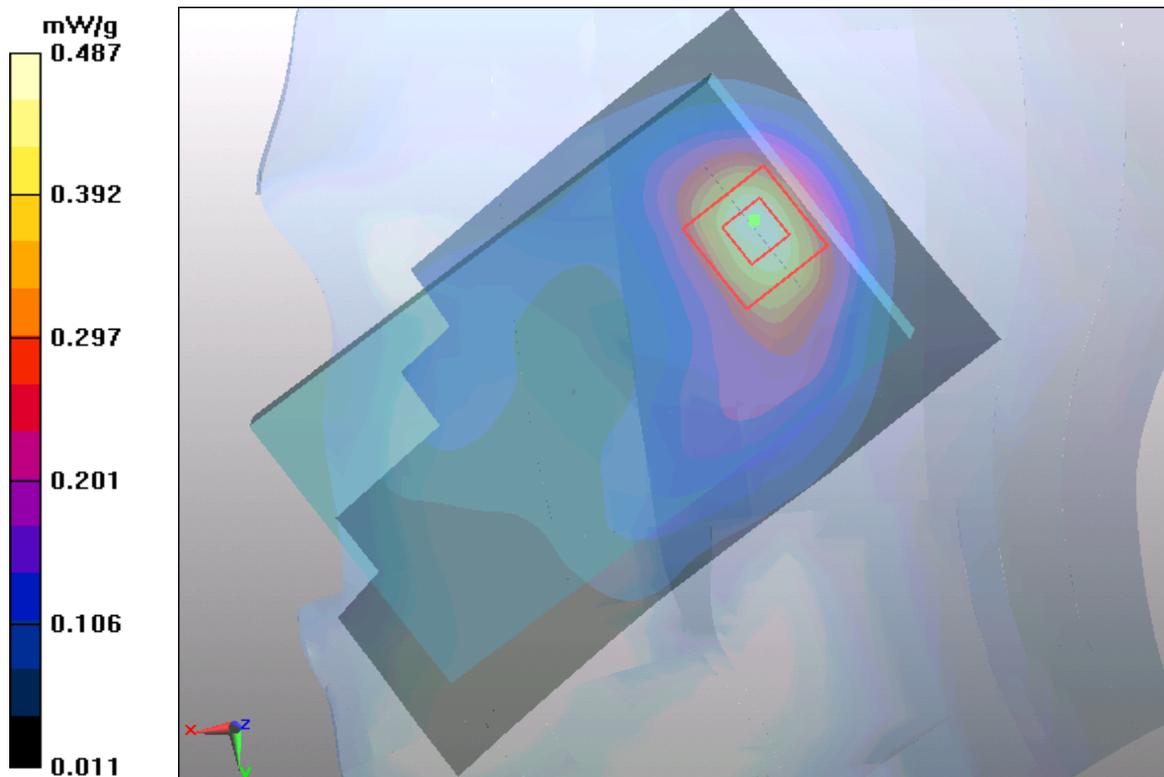


Figure 74 Right Hand Tilt 15° WCDMA Band IV Channel 1312

### WCDMA Band IV Left Cheek High (Battery 2)

Date/Time: 4/28/2012 5:47:36 PM

Communication System: WCDMA ; Frequency: 1752.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8.37, 8.37, 8.37); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA IV Left/Cheek High/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.18 mW/g

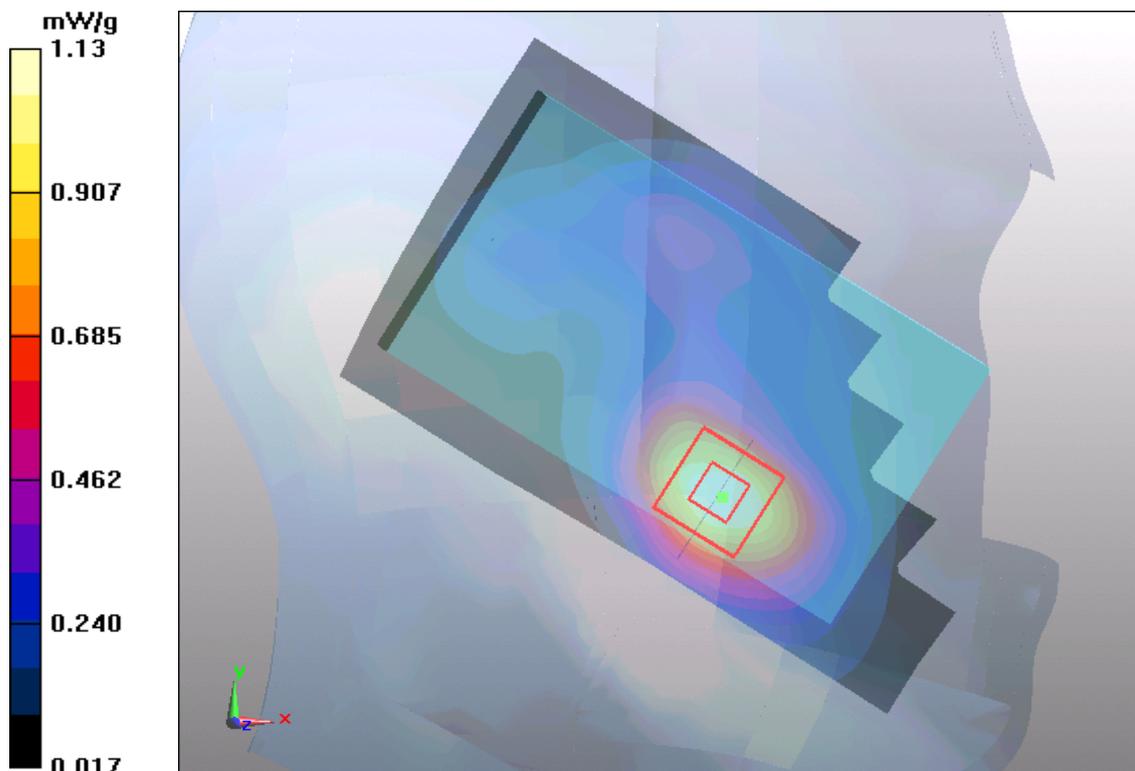
**WCDMA IV Left/Cheek High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.4 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 1.54 W/kg

**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.635 mW/g**

Maximum value of SAR (measured) = 1.13 mW/g



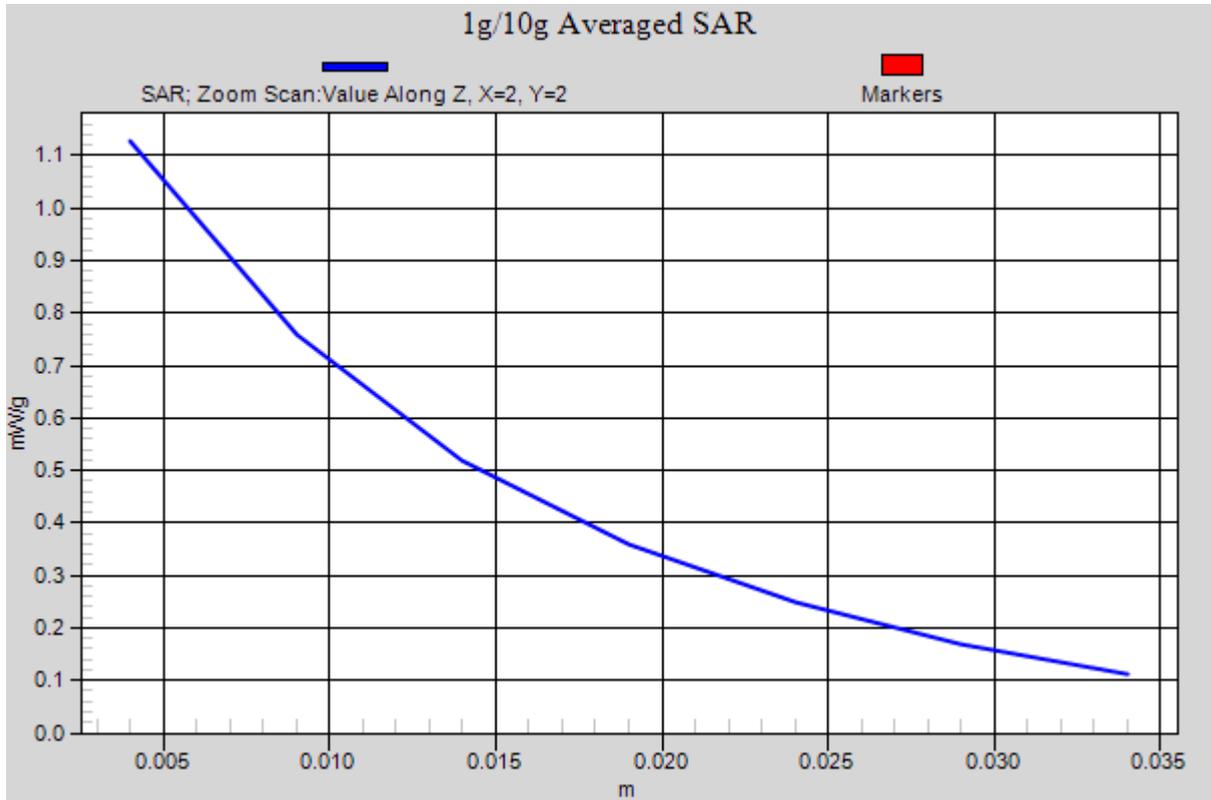


Figure 75 Left Hand Touch Cheek WCDMA Band IV Channel 1513

**WCDMA Band IV Back Side High (Battery 1)**

Date/Time: 5/5/2012 3:39:34 PM

Communication System: WCDMA ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side High/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.28 mW/g

**Back Side High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 1.8 W/kg

**SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.684 mW/g**

Maximum value of SAR (measured) = 1.22 mW/g

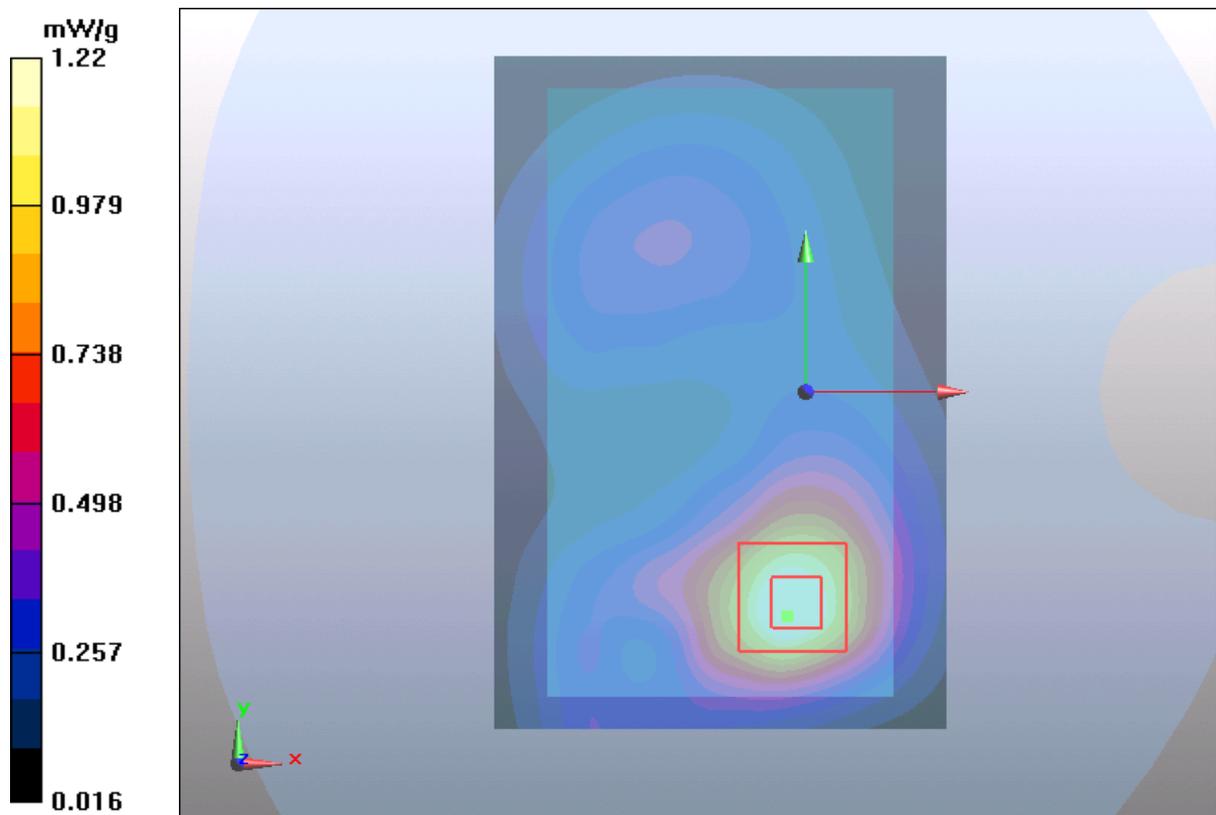


Figure 76 Body, Back Side, WCDMA Band IV Channel 1513

### WCDMA Band IV Back Side Middle (Battery 1)

Date/Time: 5/5/2012 3:14:18 PM

Communication System: WCDMA ; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side Middle/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.24 mW/g

**Back Side Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.7 W/kg

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.655 mW/g**

Maximum value of SAR (measured) = 1.17 mW/g

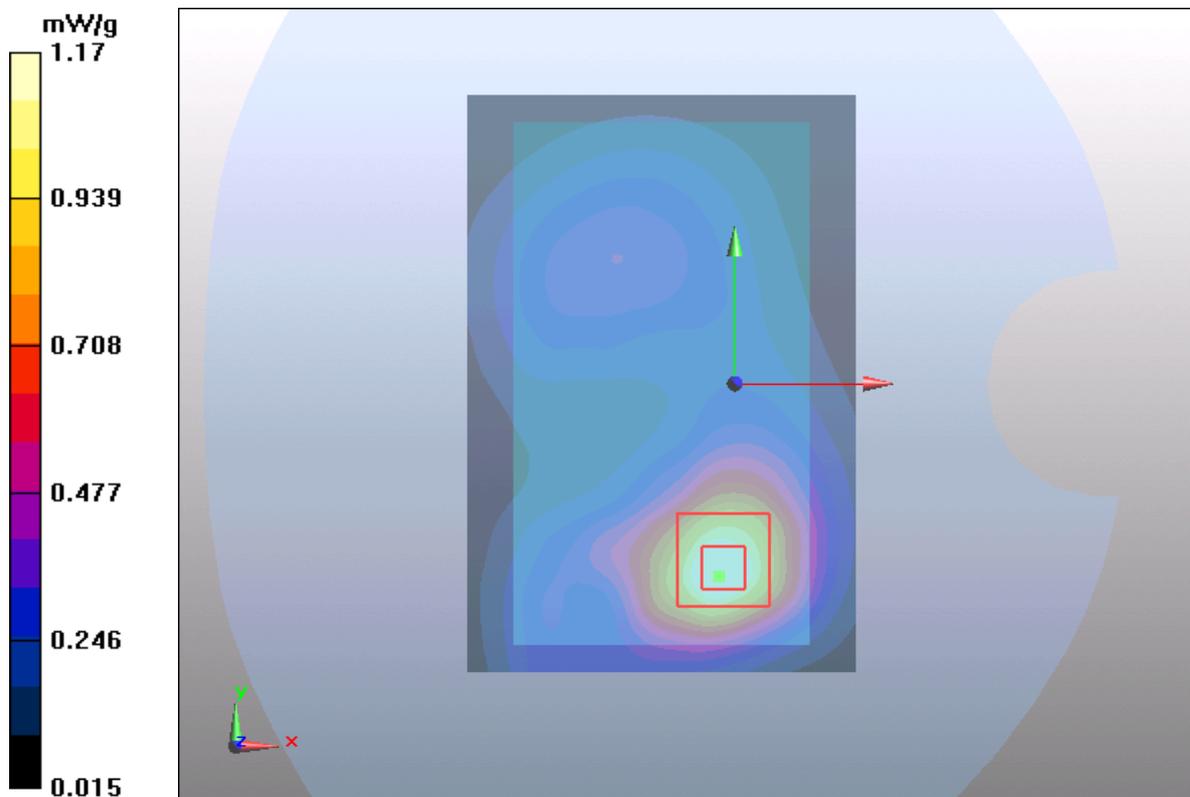


Figure 77 Body, Back Side, WCDMA Band IV Channel 1413

### WCDMA Band IV Back Side Low (Battery 1)

Date/Time: 5/5/2012 3:55:40 PM

Communication System: WCDMA ; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side Low/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.29 mW/g

**Back Side Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.675 mW/g**

Maximum value of SAR (measured) = 1.2 mW/g

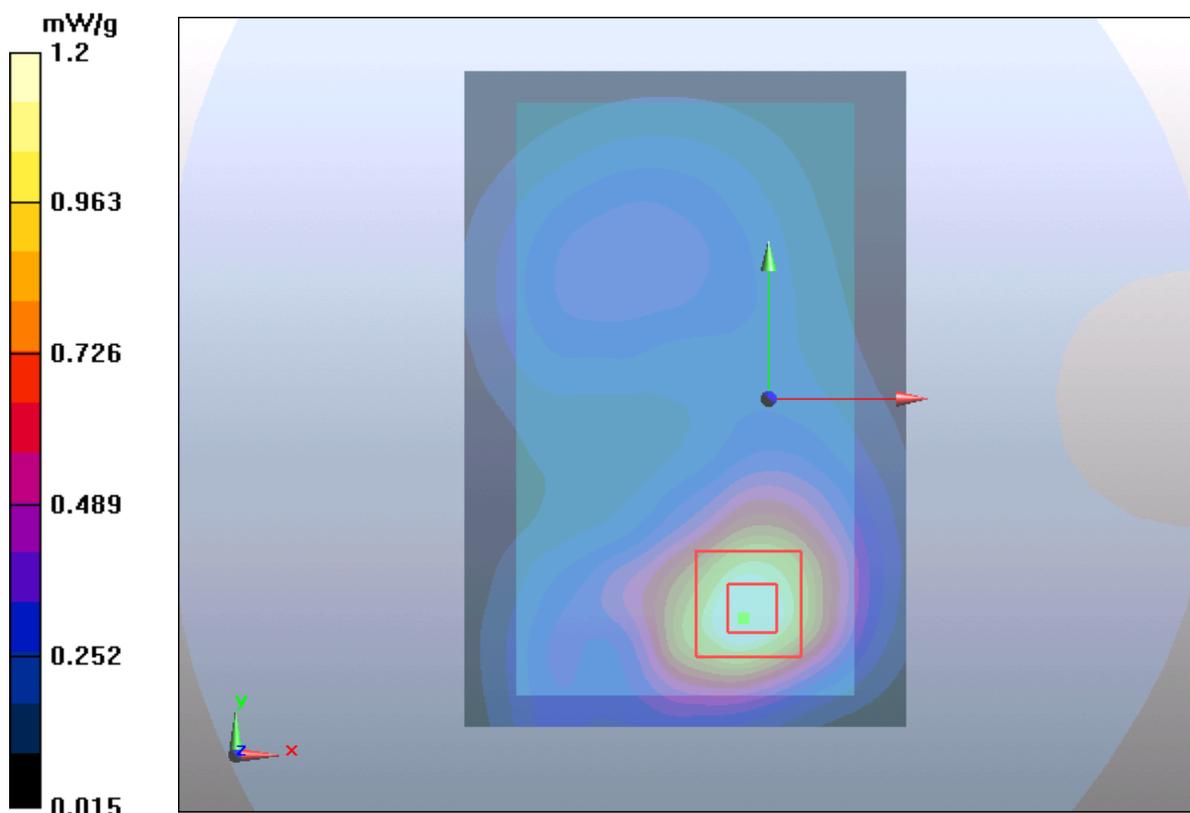


Figure 78 Body, Back Side, WCDMA Band IV Channel 1312

### WCDMA Band IV Front Side High (Battery 1)

Date/Time: 5/5/2012 4:47:17 PM

Communication System: WCDMA ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Front Side High/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

**Front Side High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.3 V/m; Power Drift = 0.063 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.928 mW/g; SAR(10 g) = 0.571 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g

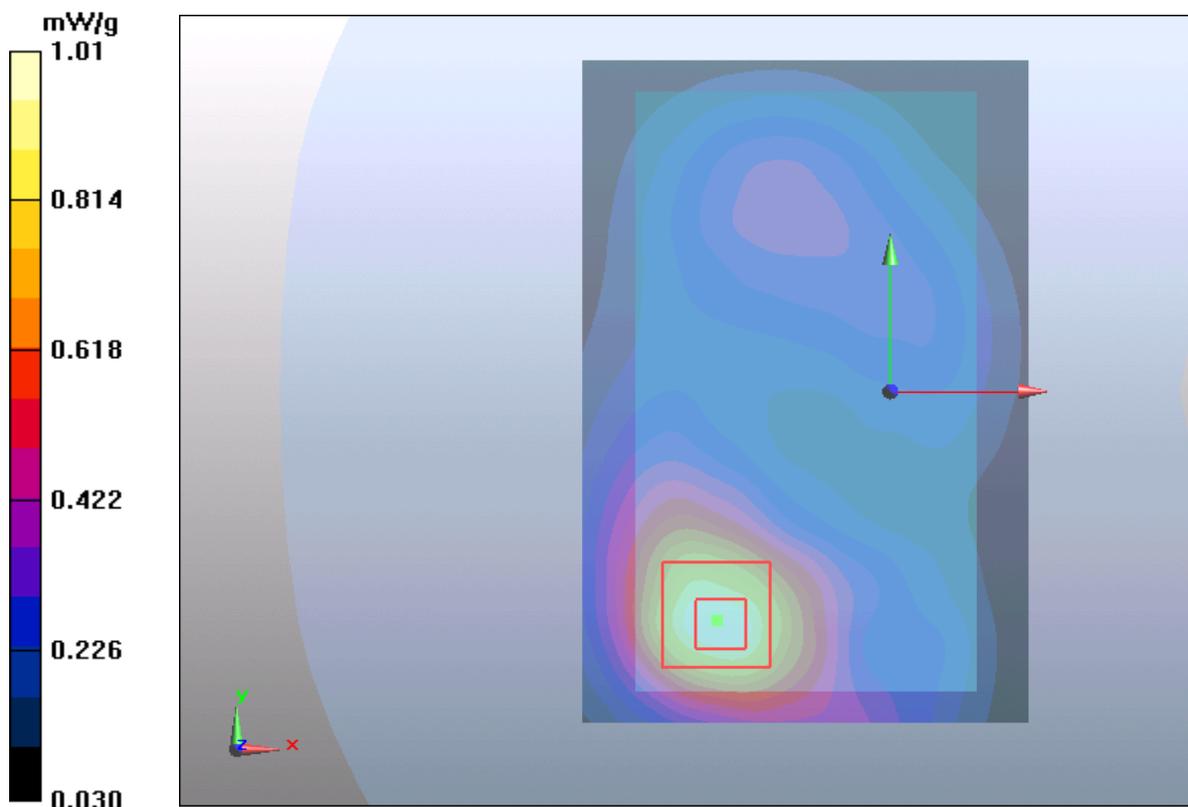


Figure 79 Body, Front Side, WCDMA Band IV Channel 1513

### WCDMA Band IV Front Side Middle (Battery 1)

Date/Time: 5/5/2012 4:30:13 PM

Communication System: WCDMA ; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Front Side Middle/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.936 mW/g

**Front Side Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 1.3 W/kg

**SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.523 mW/g**

Maximum value of SAR (measured) = 0.925 mW/g

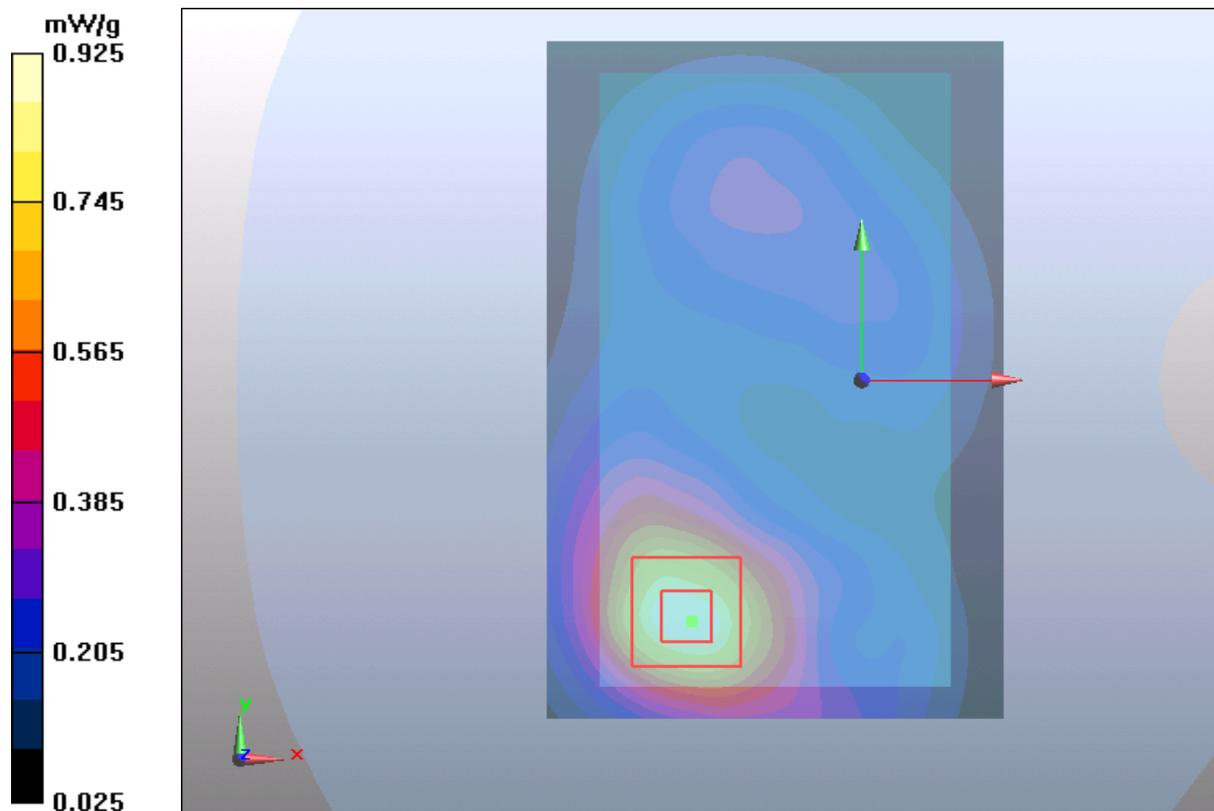


Figure 80 Body, Front Side, WCDMA Band IV Channel 1413

### WCDMA Band IV Front Side Low (Battery 1)

Date/Time: 5/5/2012 4:13:19 PM

Communication System: WCDMA ; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Front Side Low/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.949 mW/g

**Front Side Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 1.3 W/kg

**SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.525 mW/g**

Maximum value of SAR (measured) = 0.932 mW/g

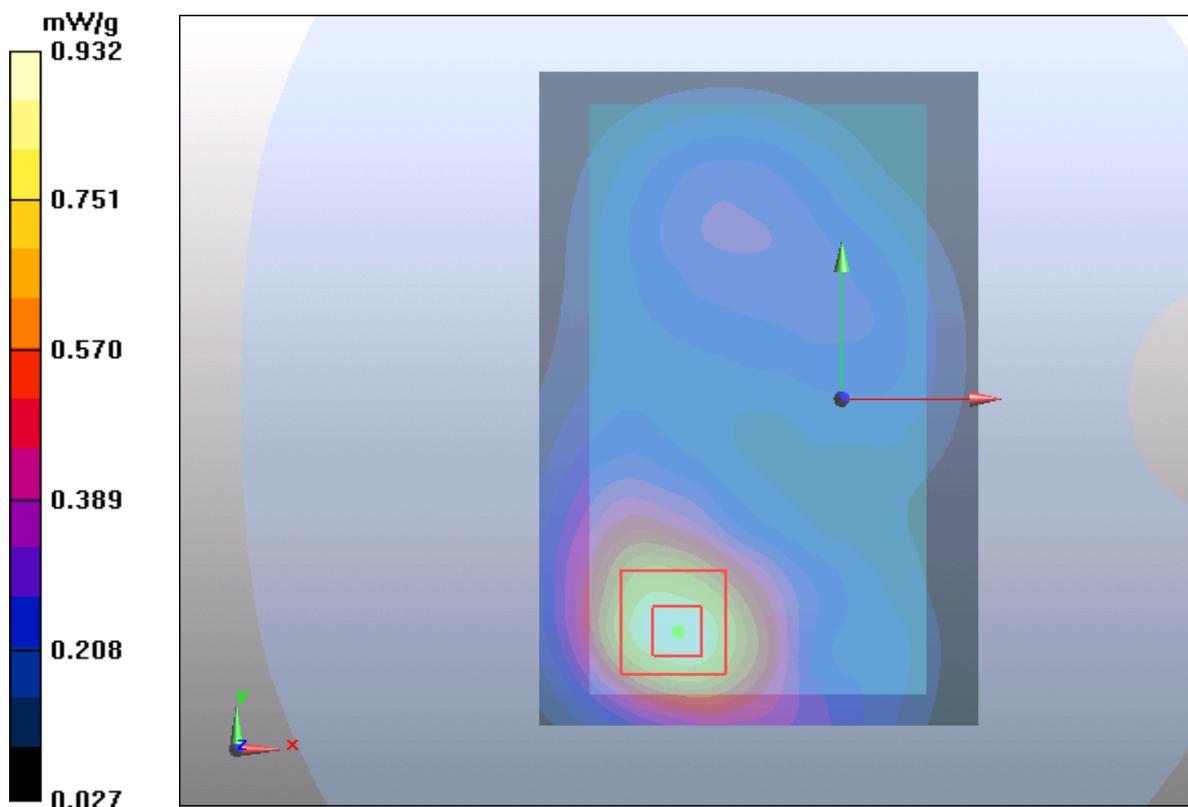


Figure 81 Body, Front Side, WCDMA Band IV Channel 1312

### WCDMA Band IV Left Edge Middle (Battery 1)

Date/Time: 5/5/2012 5:08:11 PM

Communication System: WCDMA ; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Left Edge Middle/Area Scan (31x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.461 mW/g

**Left Edge Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.659 W/kg

**SAR(1 g) = 0.420 mW/g; SAR(10 g) = 0.255 mW/g**

Maximum value of SAR (measured) = 0.455 mW/g

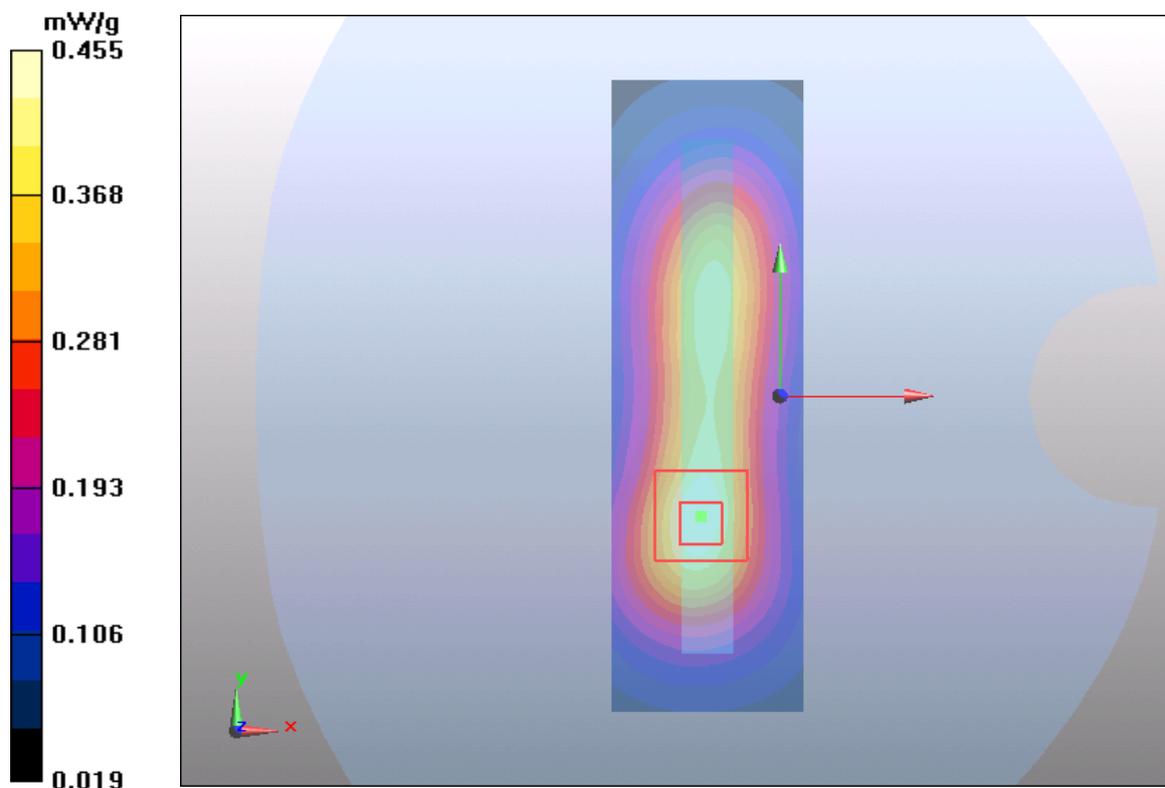


Figure 82 Body, Left Edge, WCDMA Band IV Channel 1413

**WCDMA Band IV Right Edge Middle (Battery 1)**

Date/Time: 5/5/2012 5:22:07 PM

Communication System: WCDMA ; Frequency: 1732.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Right Edge Middle/Area Scan (31x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.186 mW/g

**Right Edge Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.2 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.254 W/kg

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.098 mW/g**

Maximum value of SAR (measured) = 0.178 mW/g

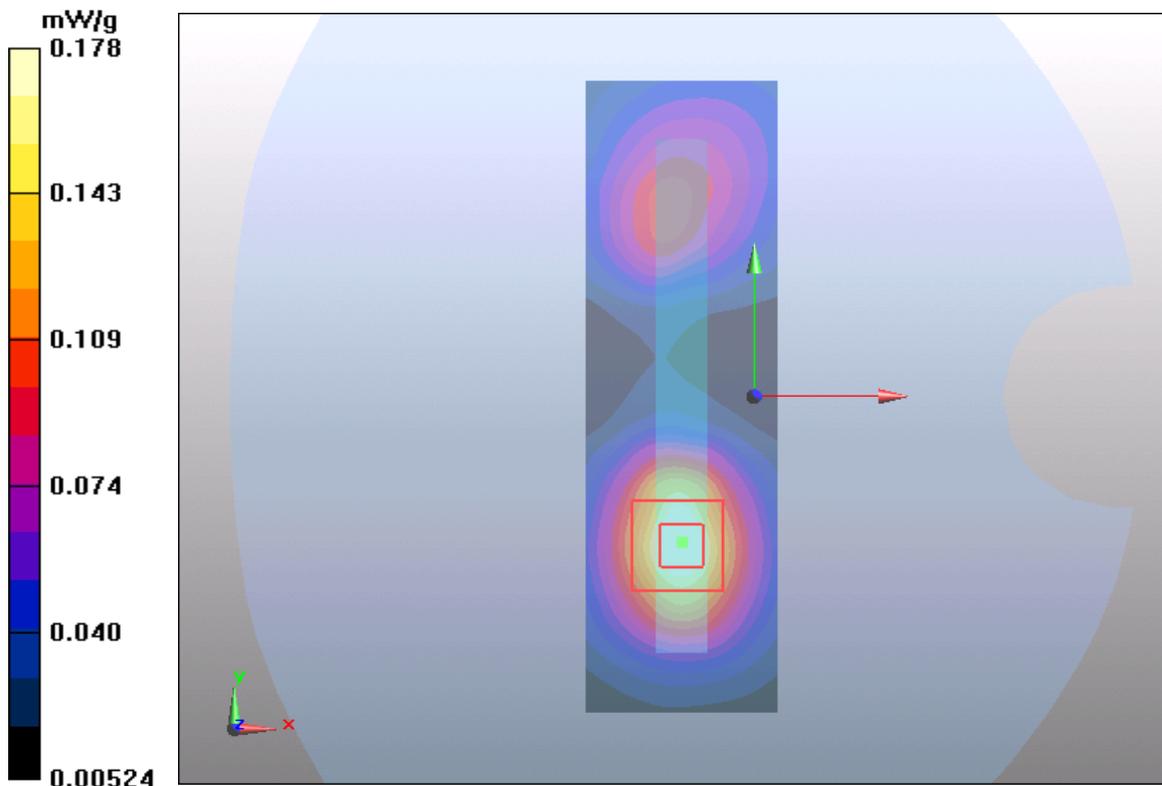


Figure 83 Body, Right Edge, WCDMA Band IV Channel 1413

### WCDMA Band IV Bottom Edge Middle (Battery 1)

Date/Time: 5/5/2012 5:39:28 PM

Communication System: WCDMA ; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Bottom Edge Middle/Area Scan (31x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.541 mW/g

**Bottom Edge Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.956 W/kg

**SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.287 mW/g**

Maximum value of SAR (measured) = 0.659 mW/g

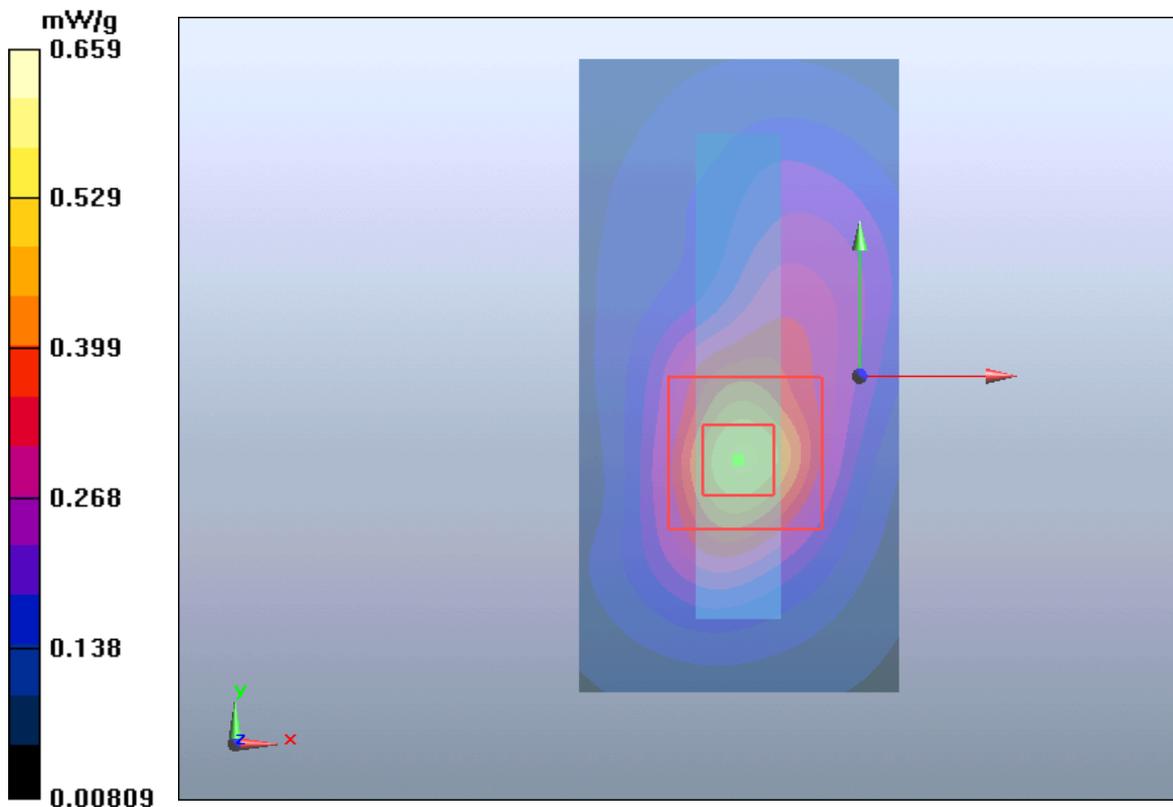


Figure 84 Body, Bottom Edge, WCDMA Band IV Channel 1413

### WCDMA Band IV with Stereo Headset 1 Back Side High (Battery 1)

Date/Time: 5/5/2012 5:55:04 PM

Communication System: WCDMA ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side High/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.31 mW/g

**Back Side High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 1.8 W/kg

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.693 mW/g**

Maximum value of SAR (measured) = 1.23 mW/g

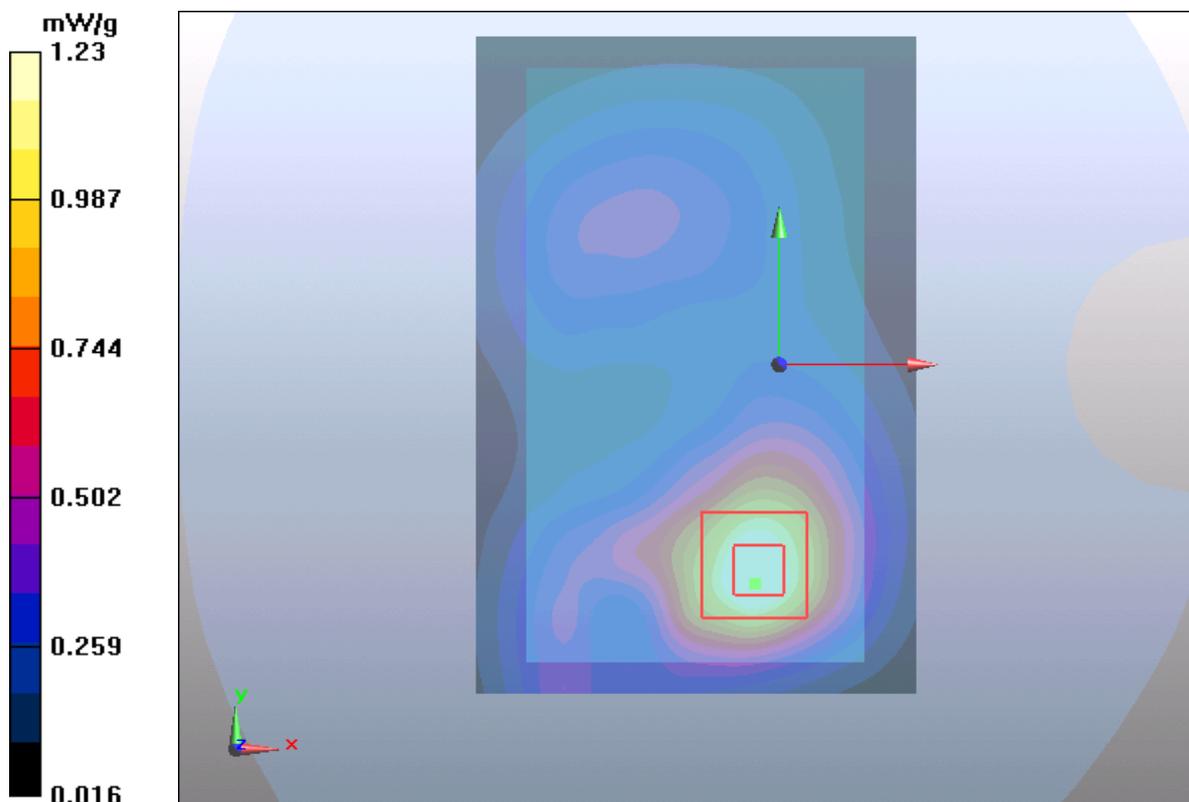


Figure 85 Body with Stereo Headset 1, Back Side, WCDMA Band IV Channel 1513

### WCDMA Band IV with Stereo Headset 2 Back Side High (Battery 1)

Date/Time: 5/5/2012 6:29:22 PM

Communication System: WCDMA ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side High/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.34 mW/g

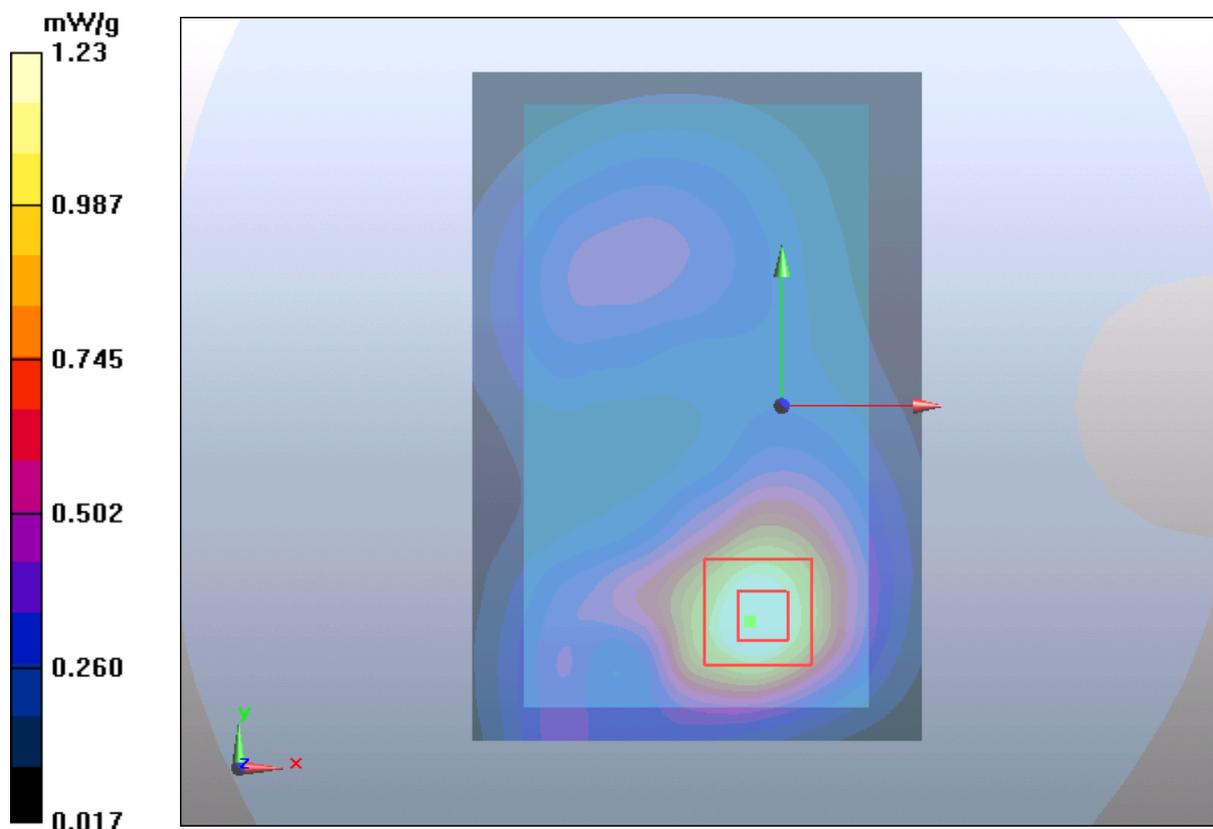
**Back Side High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 1.82 W/kg

**SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.698 mW/g**

Maximum value of SAR (measured) = 1.23 mW/g



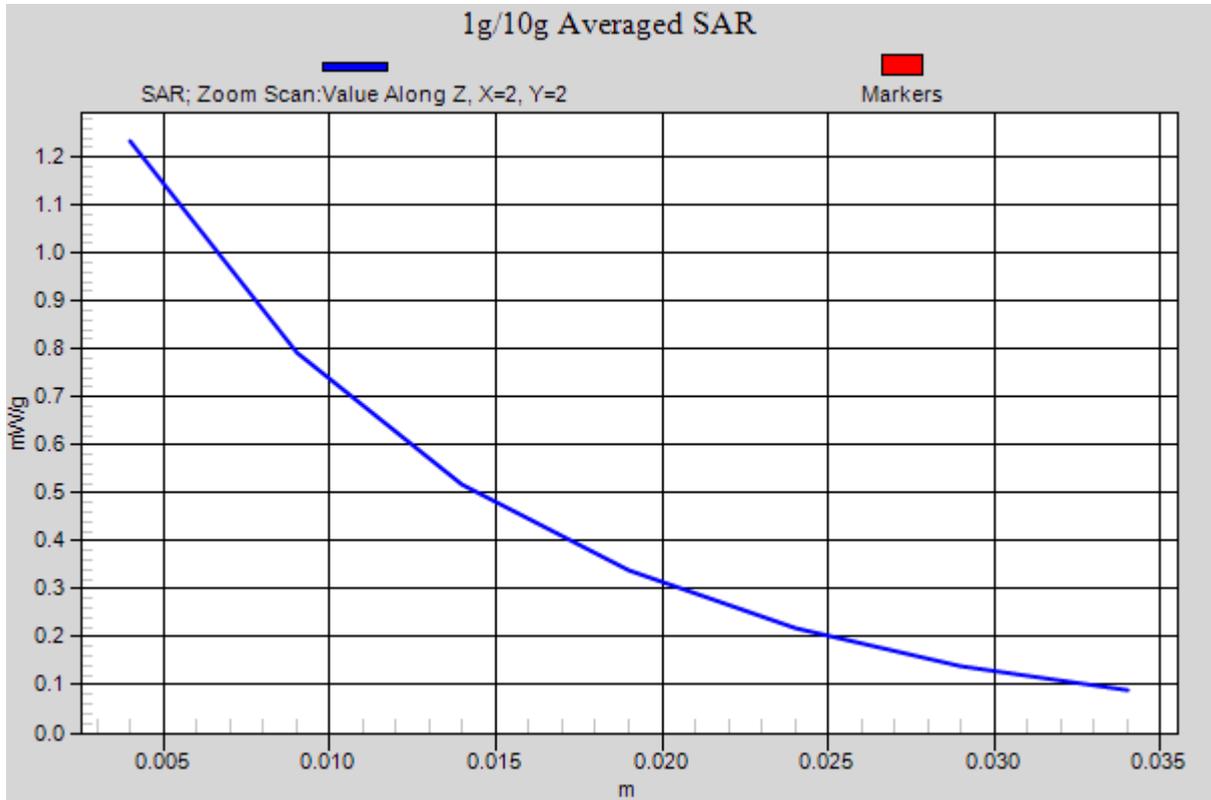


Figure 86 Body with Stereo Headset 2, Back Side, WCDMA Band IV Channel 1513

**WCDMA Band IV with Stereo Headset 3 Back Side High (Battery 1)**

Date/Time: 5/5/2012 6:12:06 PM

Communication System: WCDMA ; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(8, 8, 8); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side High/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.29 mW/g

**Back Side High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 1.77 W/kg

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.681 mW/g**

Maximum value of SAR (measured) = 1.2 mW/g

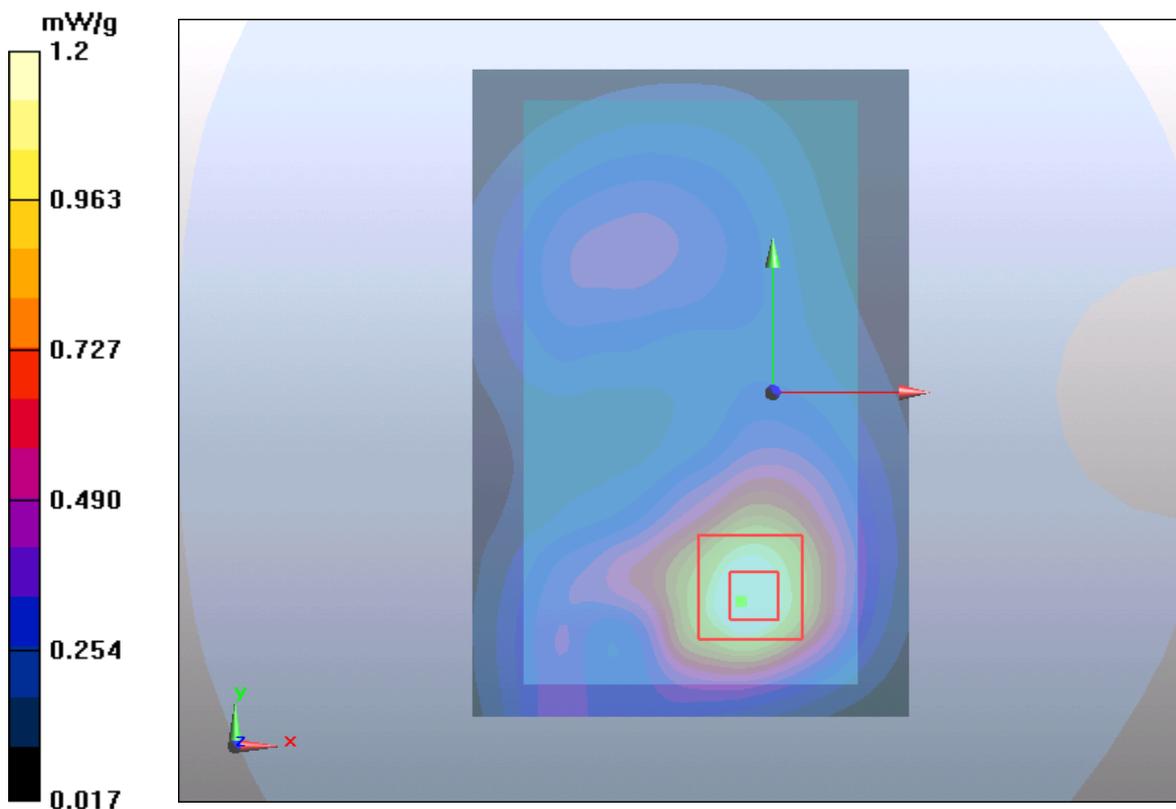


Figure 87 Body with Stereo Headset 3, Back Side, WCDMA Band IV Channel 1513

**WCDMA Band V Left Cheek High (Battery 1)**

Date/Time: 4/27/2012 7:46:32 PM

Communication System: WCDMA ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.911$  mho/m;  $\epsilon_r = 41.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Left/Cheek High/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.439 mW/g

**WCDMA V Left/Cheek High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,

dz=5mm

Reference Value = 6.35 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.501 W/kg

**SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.326 mW/g**

Maximum value of SAR (measured) = 0.437 mW/g

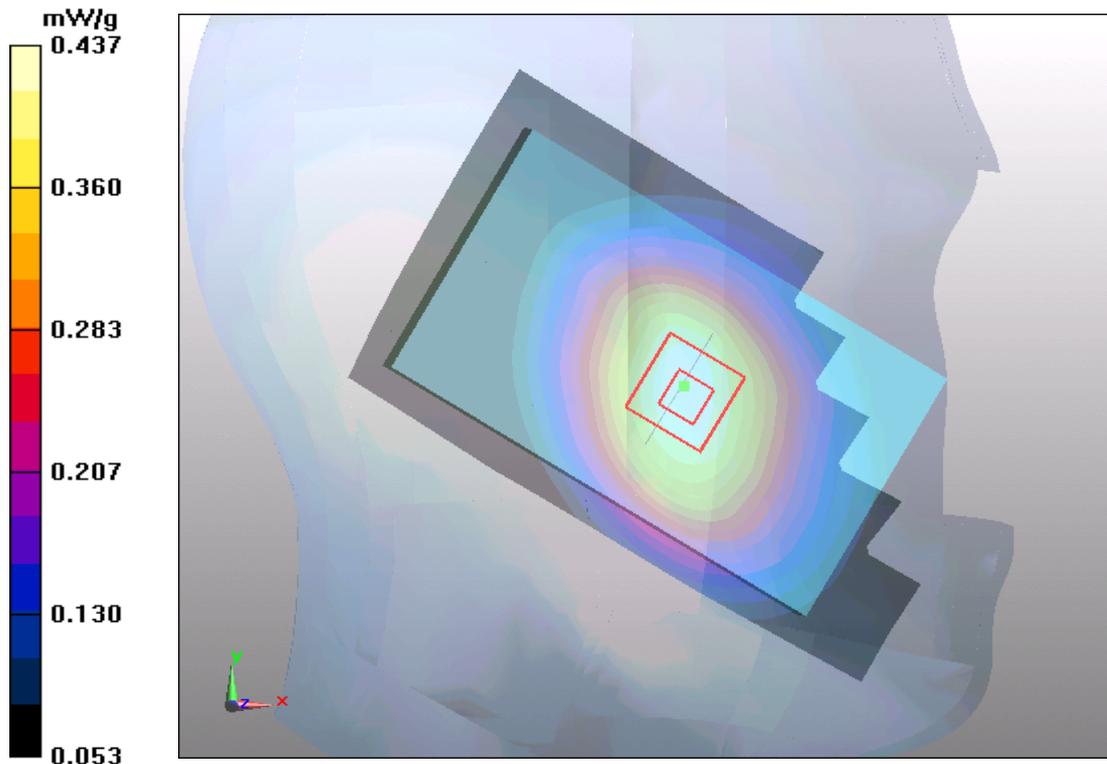


Figure 88 Left Hand Touch Cheek WCDMA Band V Channel 4233

### WCDMA Band V Left Cheek Middle (Battery 1)

Date/Time: 4/27/2012 7:29:47 PM

Communication System: WCDMA ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Left/Cheek Middle/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.425 mW/g

**WCDMA V Left/Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.93 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 0.452 W/kg

**SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.297 mW/g**

Maximum value of SAR (measured) = 0.395 mW/g

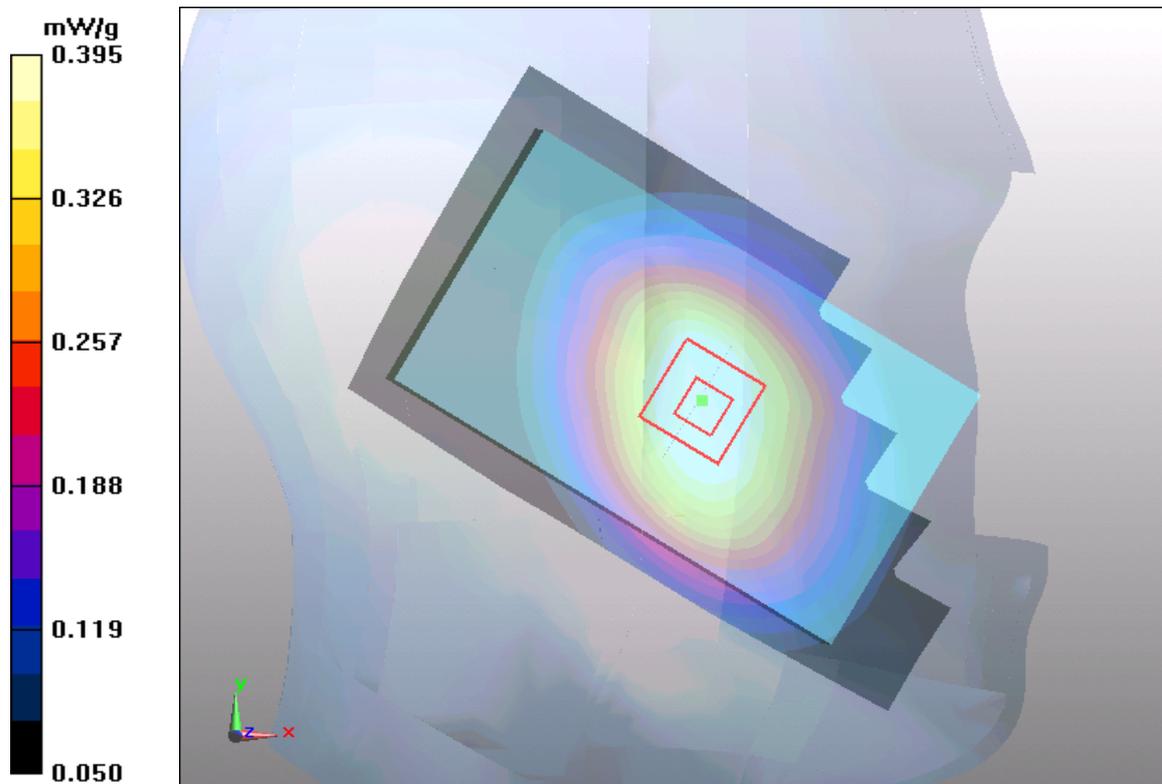


Figure 89 Left Hand Touch Cheek WCDMA Band V Channel 4183

**WCDMA Band V Left Cheek Low (Battery 1)**

Date/Time: 4/27/2012 8:33:01 PM

Communication System: WCDMA ; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.888$  mho/m;  $\epsilon_r = 41.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Left/Cheek Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.305 mW/g

**WCDMA V Left/Cheek Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,

dz=5mm

Reference Value = 5.49 V/m; Power Drift = 0.072 dB

Peak SAR (extrapolated) = 0.353 W/kg

**SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.230 mW/g**

Maximum value of SAR (measured) = 0.305 mW/g

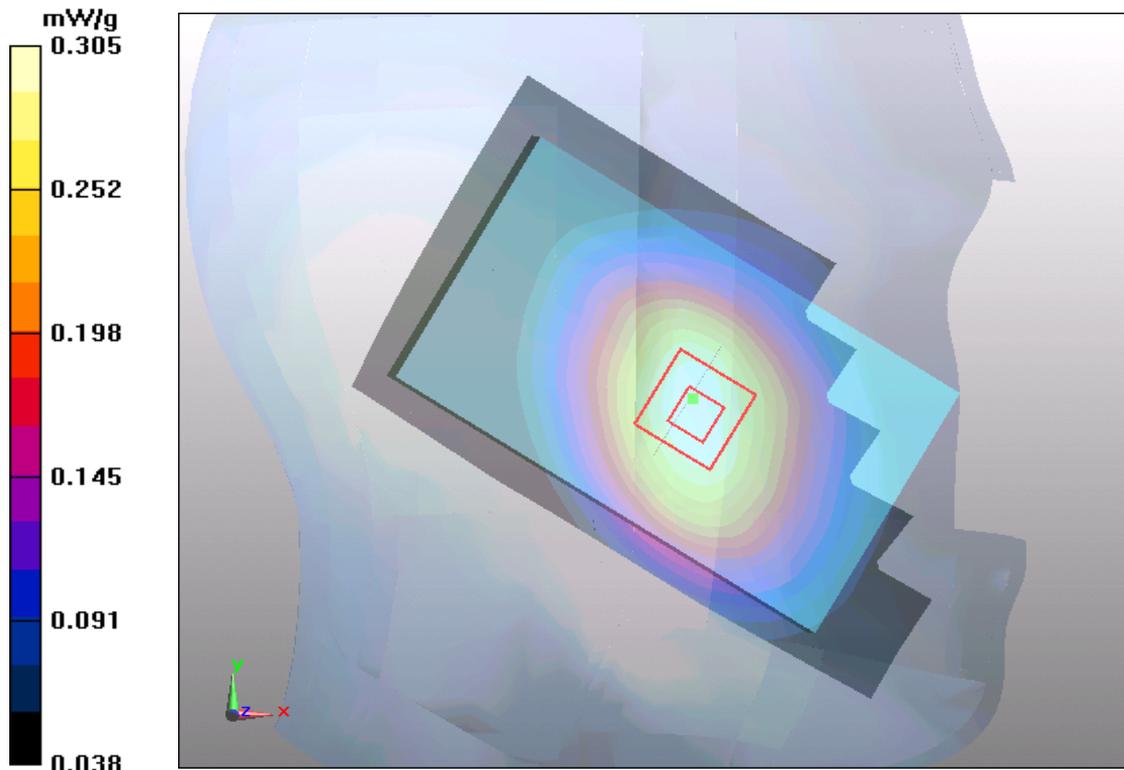


Figure 90 Left Hand Touch Cheek WCDMA Band V Channel 4132

### WCDMA Band V Left Tilt High (Battery 1)

Date/Time: 4/27/2012 9:30:56 PM

Communication System: WCDMA ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.911$  mho/m;  $\epsilon_r = 41.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Left/Tilt High/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.305 mW/g

**WCDMA V Left/Tilt High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 0.356 W/kg

**SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.223 mW/g**

Maximum value of SAR (measured) = 0.304 mW/g

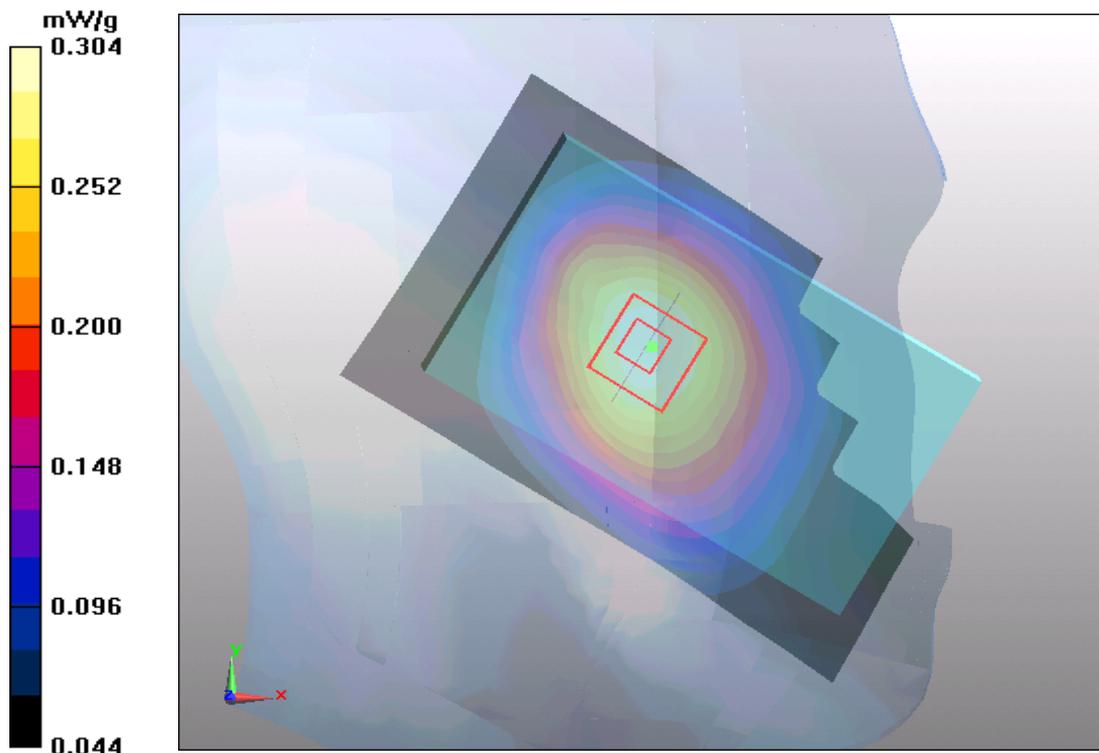


Figure 91 Left Hand Tilt 15° WCDMA Band V Channel 4233

**WCDMA Band V Left Tilt Middle (Battery 1)**

Date/Time: 4/27/2012 9:14:15 PM

Communication System: WCDMA ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Left/Tilt Middle/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.283 mW/g

**WCDMA V Left/Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.327 W/kg

**SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.205 mW/g**

Maximum value of SAR (measured) = 0.281 mW/g

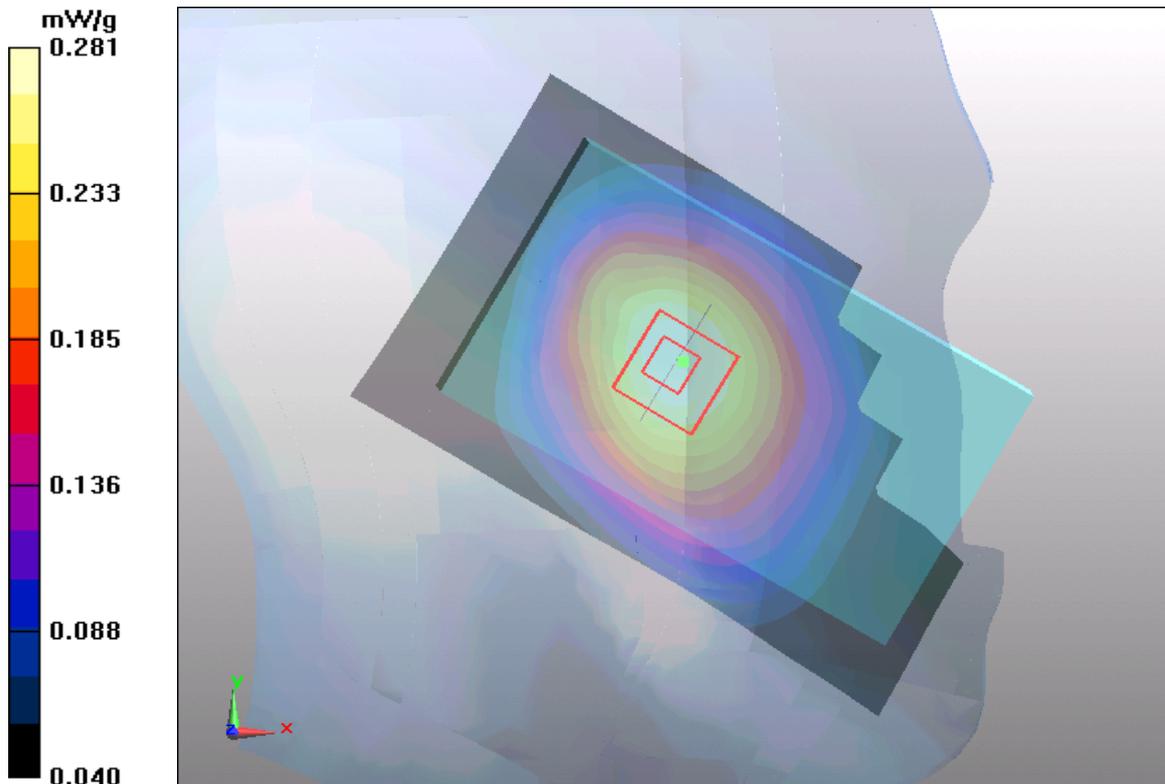


Figure 92 Left Hand Tilt 15° WCDMA Band V Channel 4183

**WCDMA Band V Left Tilt Low (Battery 1)**

Date/Time: 4/27/2012 8:57:25 PM

Communication System: WCDMA ; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.888$  mho/m;  $\epsilon_r = 41.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Left/Tilt Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.218 mW/g

**WCDMA V Left/Tilt Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,

dz=5mm

Reference Value = 9.44 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.161 mW/g**

Maximum value of SAR (measured) = 0.219 mW/g

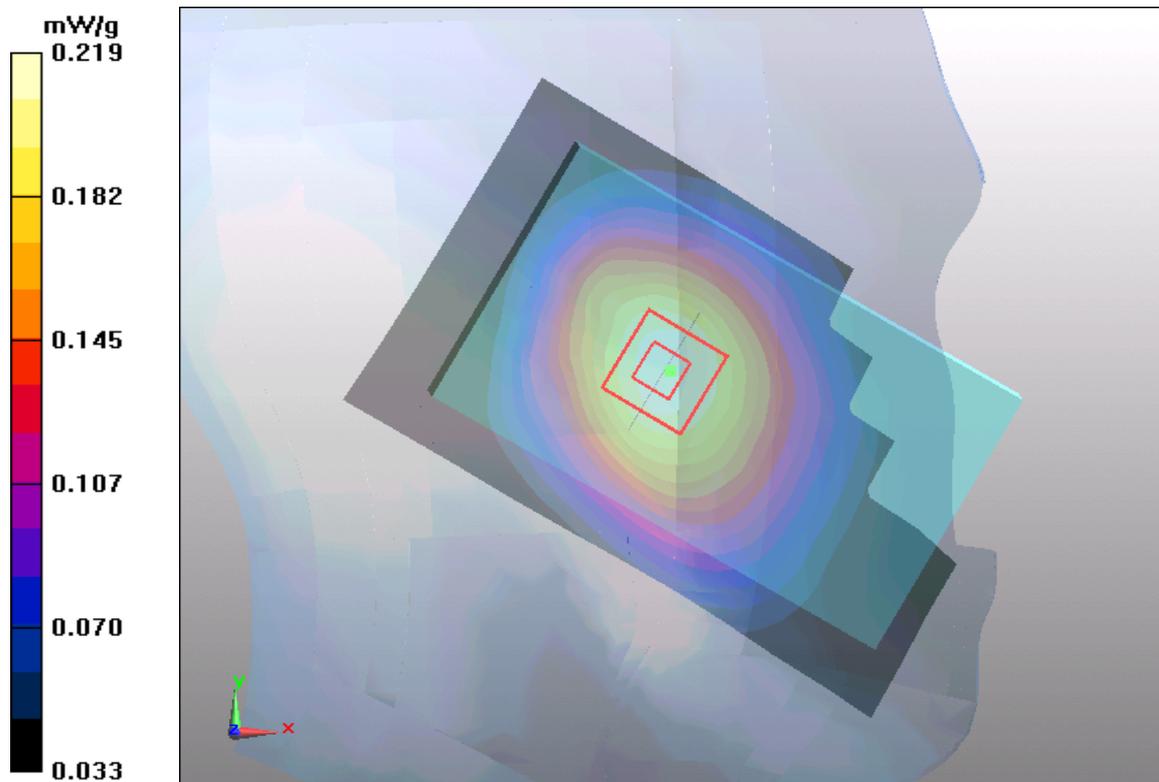


Figure 93 Left Hand Tilt 15° WCDMA Band V Channel 4132

### WCDMA Band V Right Cheek High (Battery 1)

Date/Time: 4/28/2012 10:42:52 AM

Communication System: WCDMA ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.911$  mho/m;  $\epsilon_r = 41.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Right/Cheek High/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.457 mW/g

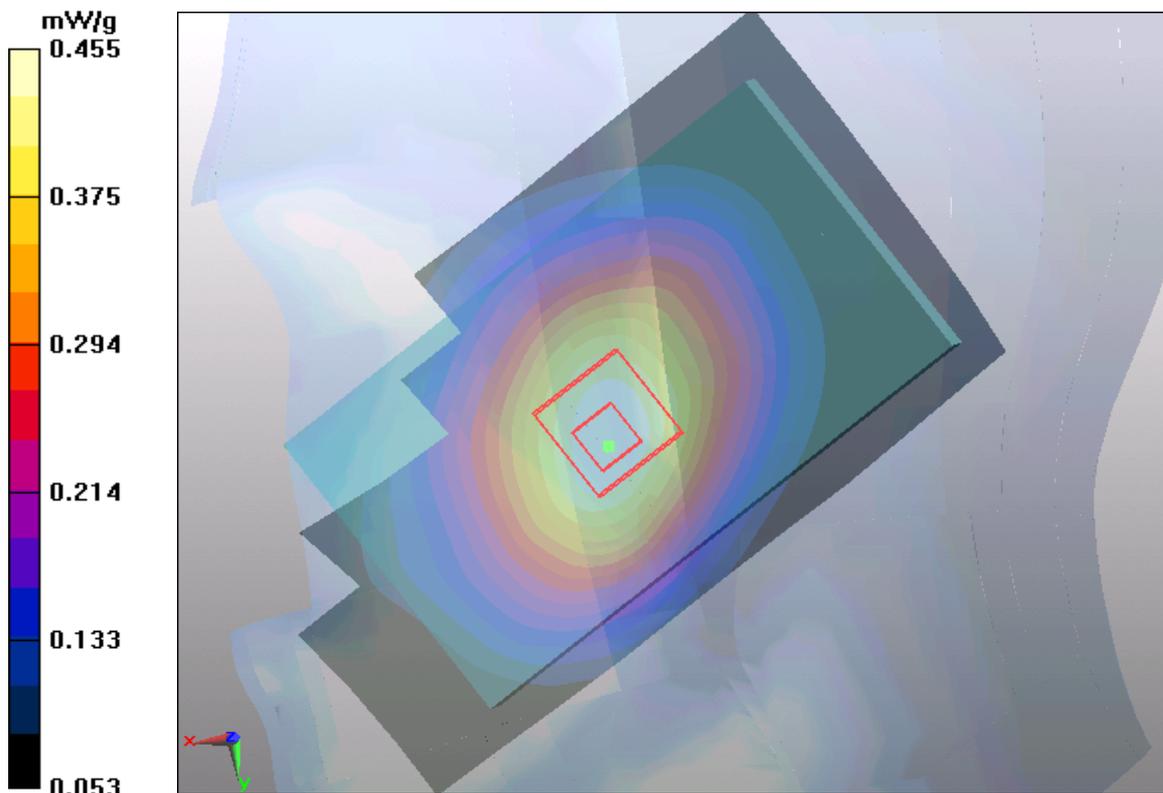
**WCDMA V Right/Cheek High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.75 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 0.534 W/kg

**SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.338 mW/g**

Maximum value of SAR (measured) = 0.455 mW/g



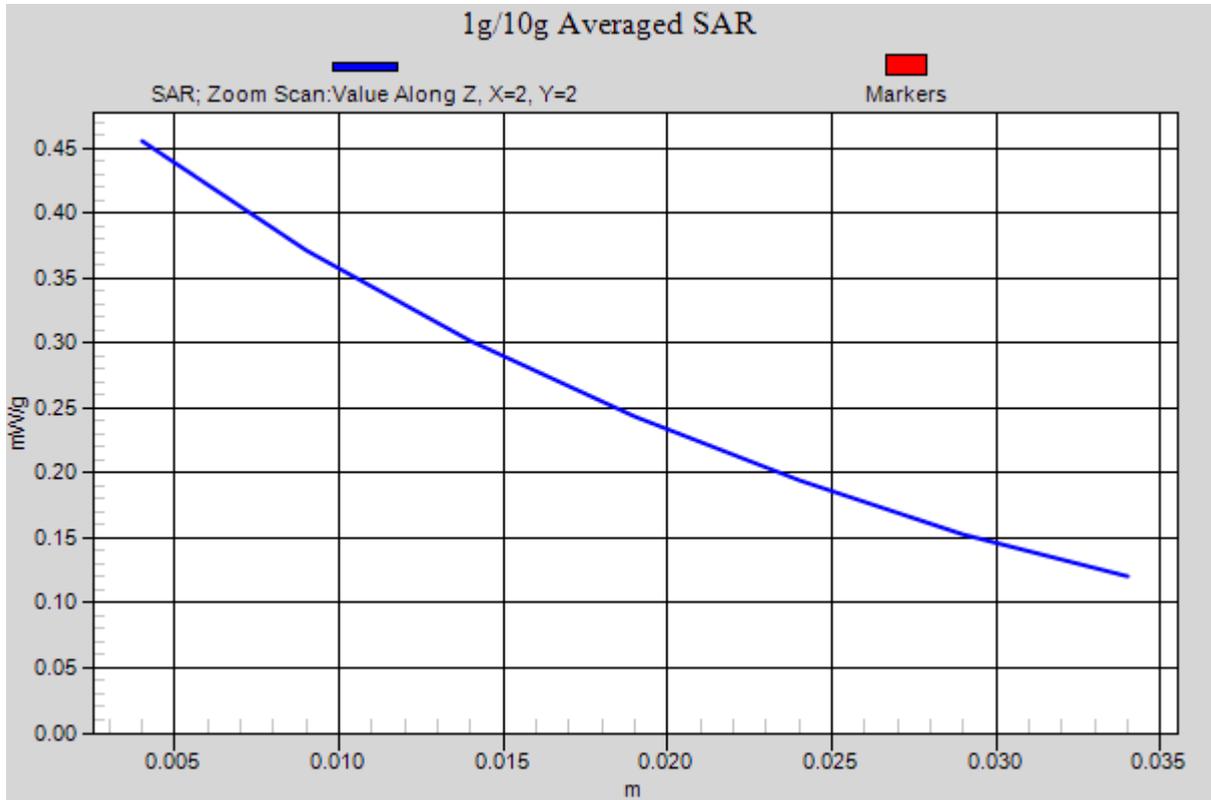


Figure 94 Right Hand Touch Cheek WCDMA Band V Channel 4233

**WCDMA Band V Right Cheek Middle (Battery 1)**

Date/Time: 4/28/2012 10:25:45 AM

Communication System: WCDMA ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Right/Cheek Middle/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.422 mW/g

**WCDMA V Right/Cheek Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 7.52 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.488 W/kg

**SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.311 mW/g**

Maximum value of SAR (measured) = 0.417 mW/g

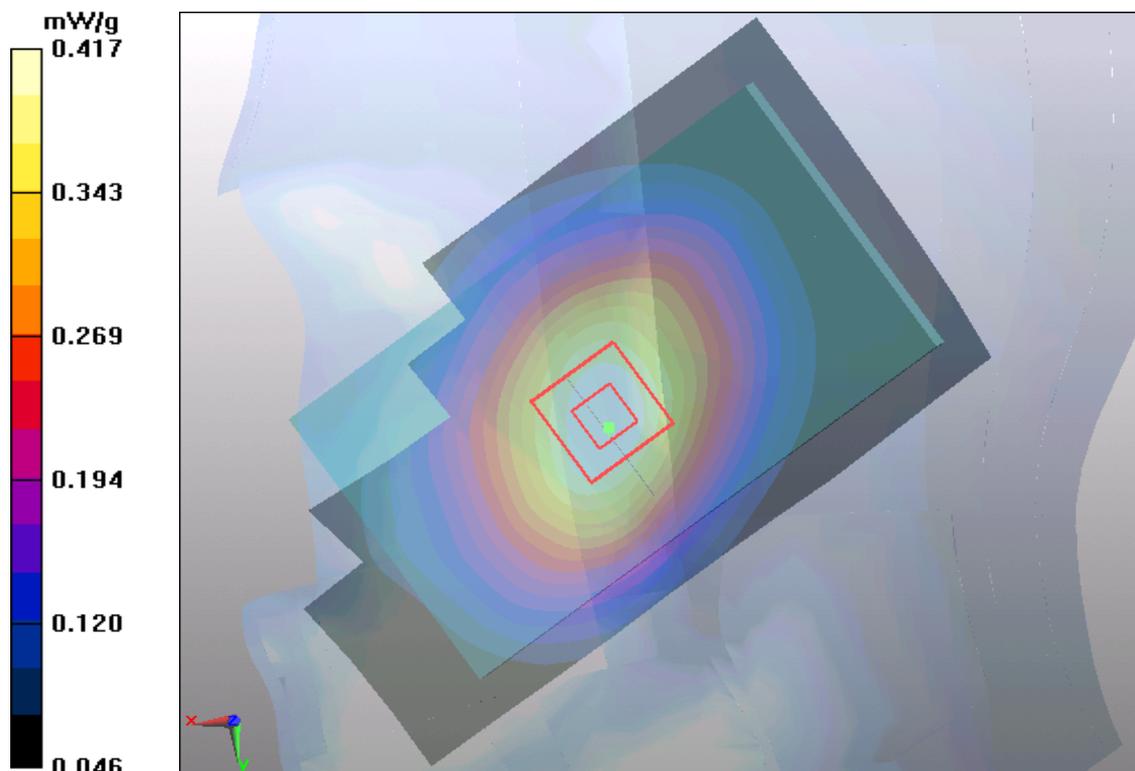


Figure 95 Right Hand Touch Cheek WCDMA Band V Channel 4183

**WCDMA Band V Right Cheek Low (Battery 1)**

Date/Time: 4/28/2012 10:59:39 AM

Communication System: WCDMA ; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.888$  mho/m;  $\epsilon_r = 41.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Right/Cheek Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.312 mW/g

**WCDMA V Right/Cheek Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,

dz=5mm

Reference Value = 7.64 V/m; Power Drift = 0.089 dB

Peak SAR (extrapolated) = 0.364 W/kg

**SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.232 mW/g**

Maximum value of SAR (measured) = 0.312 mW/g

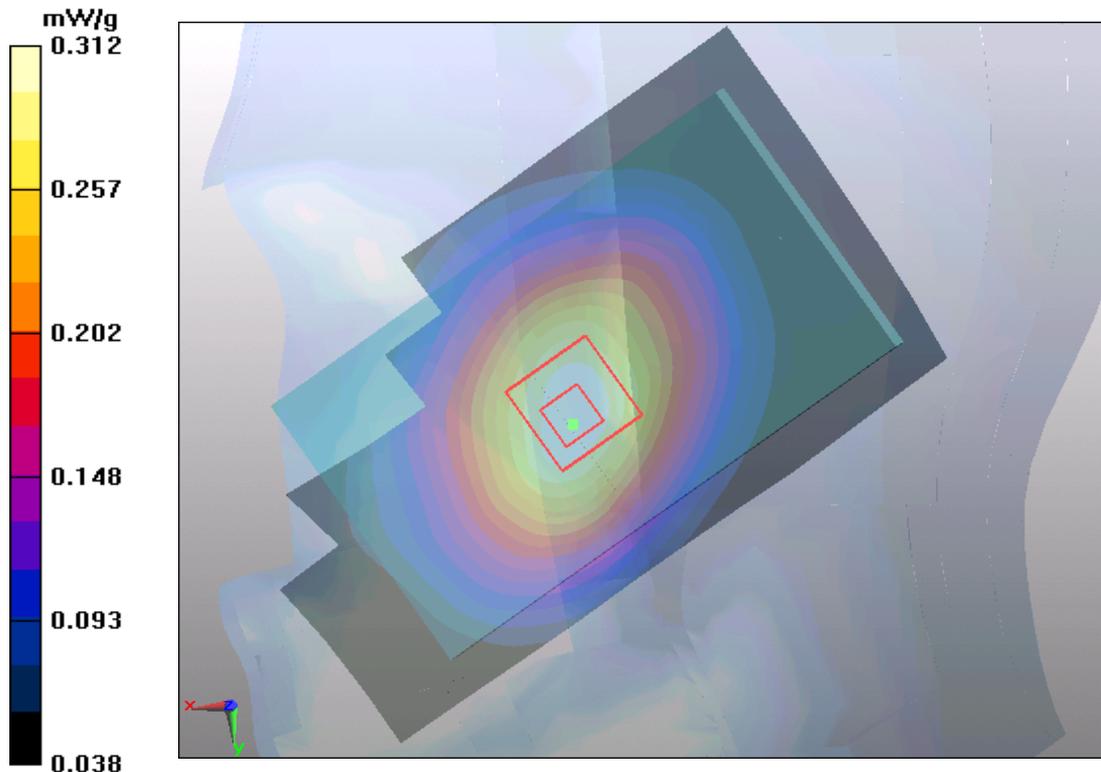


Figure 96 Right Hand Touch Cheek WCDMA Band V Channel 4132

### WCDMA Band V Right Tilt High (Battery 1)

Date/Time: 4/28/2012 11:17:23 AM

Communication System: WCDMA ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.911$  mho/m;  $\epsilon_r = 41.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Right/Tilt High/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.300 mW/g

**WCDMA V Right/Tilt High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = 0.044 dB

Peak SAR (extrapolated) = 0.354 W/kg

**SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.221 mW/g**

Maximum value of SAR (measured) = 0.300 mW/g

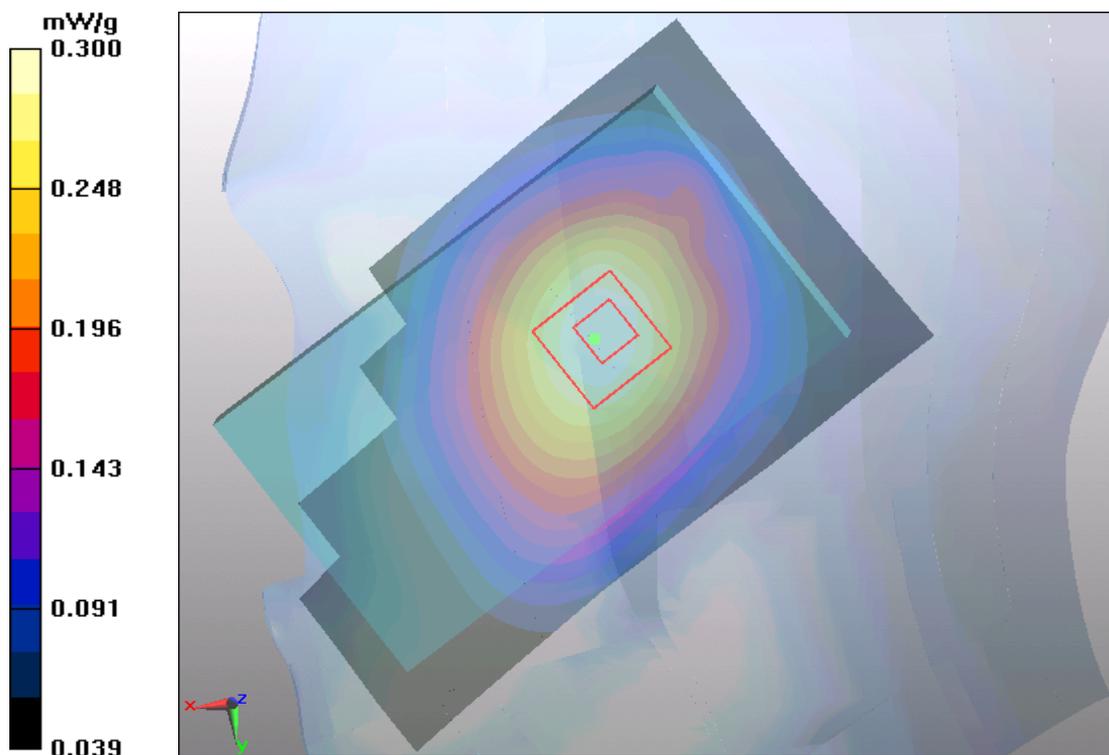


Figure 97 Right Hand Tilt 15° WCDMA Band V Channel 4233

**WCDMA Band V Right Tilt Middle (Battery 1)**

Date/Time: 4/28/2012 11:33:42 AM

Communication System: WCDMA ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Right/Tilt Middle/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.283 mW/g

**WCDMA V Right/Tilt Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,

dz=5mm

Reference Value = 11.6 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.333 W/kg

**SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.208 mW/g**

Maximum value of SAR (measured) = 0.284 mW/g

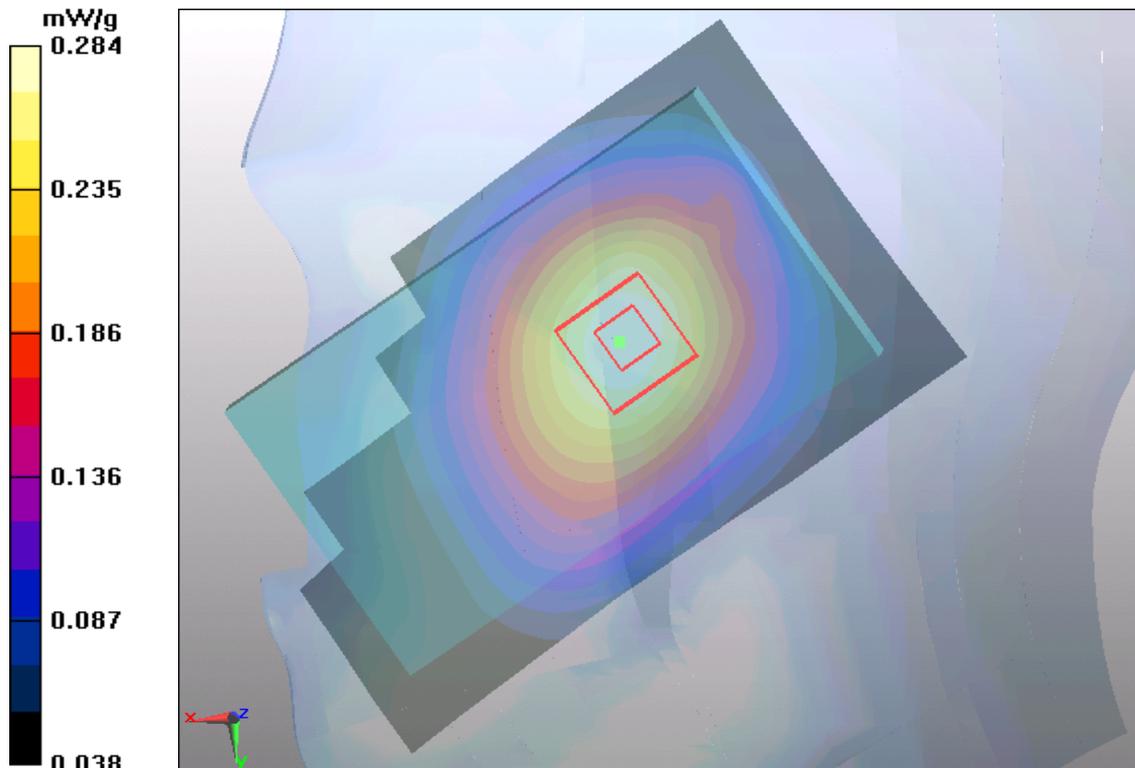


Figure 98 Right Hand Tilt 15° WCDMA Band V Channel 4183

**WCDMA Band V Right Tilt Low (Battery 1)**

Date/Time: 4/28/2012 11:50:19 AM

Communication System: WCDMA ; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.888$  mho/m;  $\epsilon_r = 41.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.02, 9.02, 9.02); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**WCDMA V Right/Tilt Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.219 mW/g

**WCDMA V Right/Tilt Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,

dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.163 mW/g**

Maximum value of SAR (measured) = 0.221 mW/g

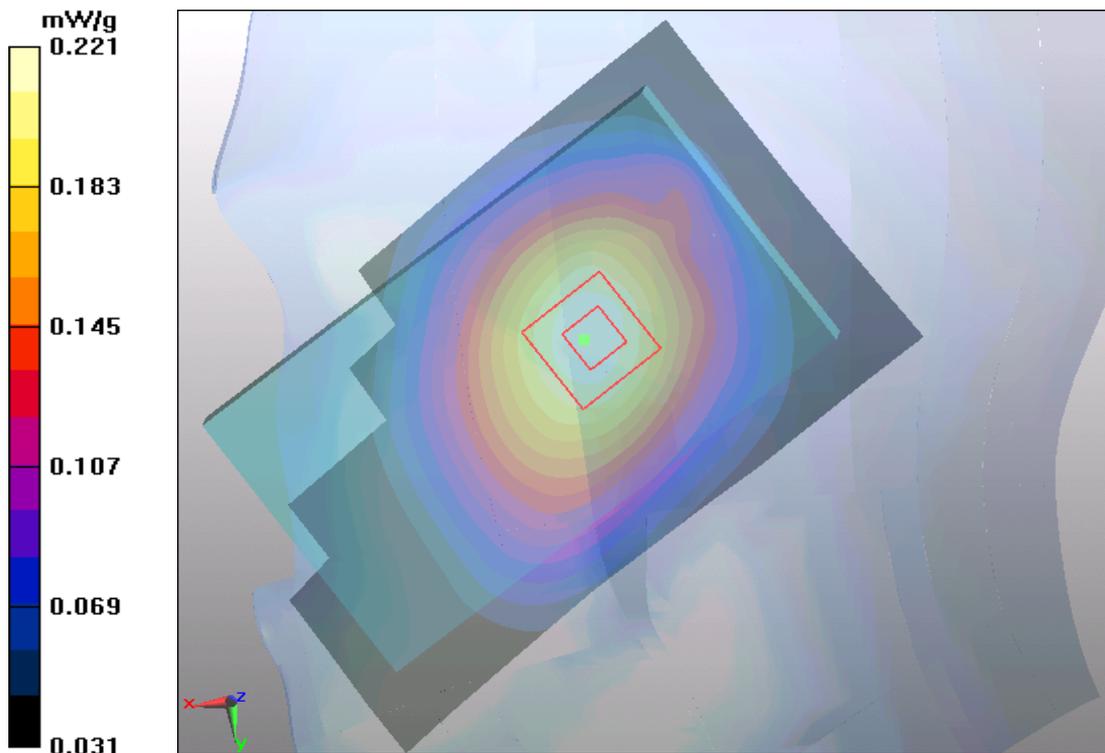


Figure 99 Right Hand Tilt 15° WCDMA Band V Channel 4132

**WCDMA Band V Back Side High (Battery 1)**

Date/Time: 5/5/2012 10:03:26 AM

Communication System: WCDMA ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 847$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.18, 9.18, 9.18); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side High/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.906 mW/g

**Back Side High/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.9 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.470 mW/g**

Maximum value of SAR (measured) = 0.815 mW/g

**Back Side High/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.9 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.635 mW/g**

Maximum value of SAR (measured) = 0.885 mW/g

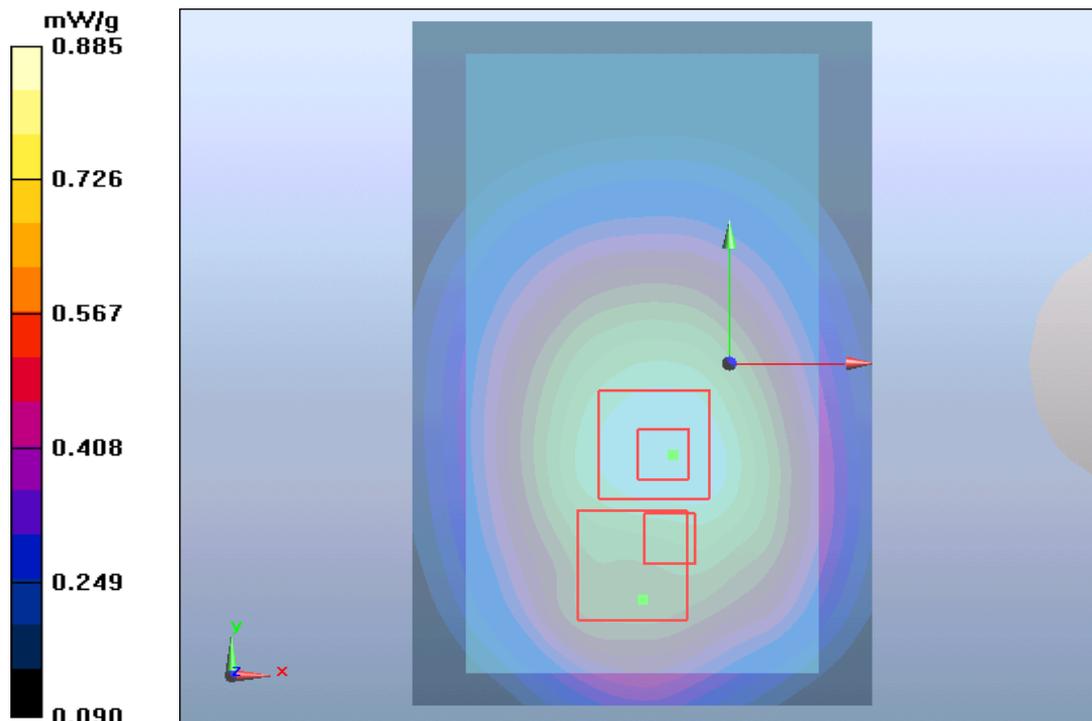


Figure 100 Body, Back Side, WCDMA Band V Channel 4233

**WCDMA Band V Back Side Middle (Battery 1)**

Date/Time: 5/5/2012 10:27:05 AM

Communication System: WCDMA ; Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.18, 9.18, 9.18); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side Middle/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.895 mW/g

**Back Side Middle/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.8 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.490 mW/g**

Maximum value of SAR (measured) = 0.841 mW/g

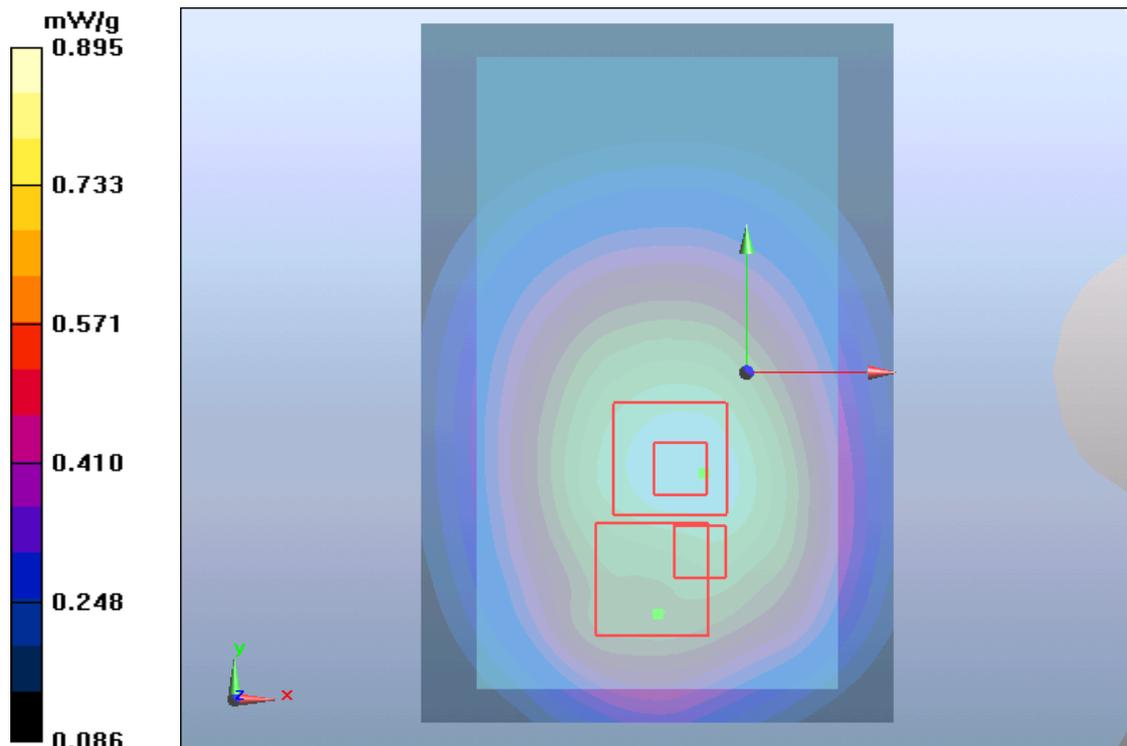
**Back Side Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.8 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 1.1 W/kg

**SAR(1 g) = 0.857 mW/g; SAR(10 g) = 0.644 mW/g**

Maximum value of SAR (measured) = 0.895 mW/g



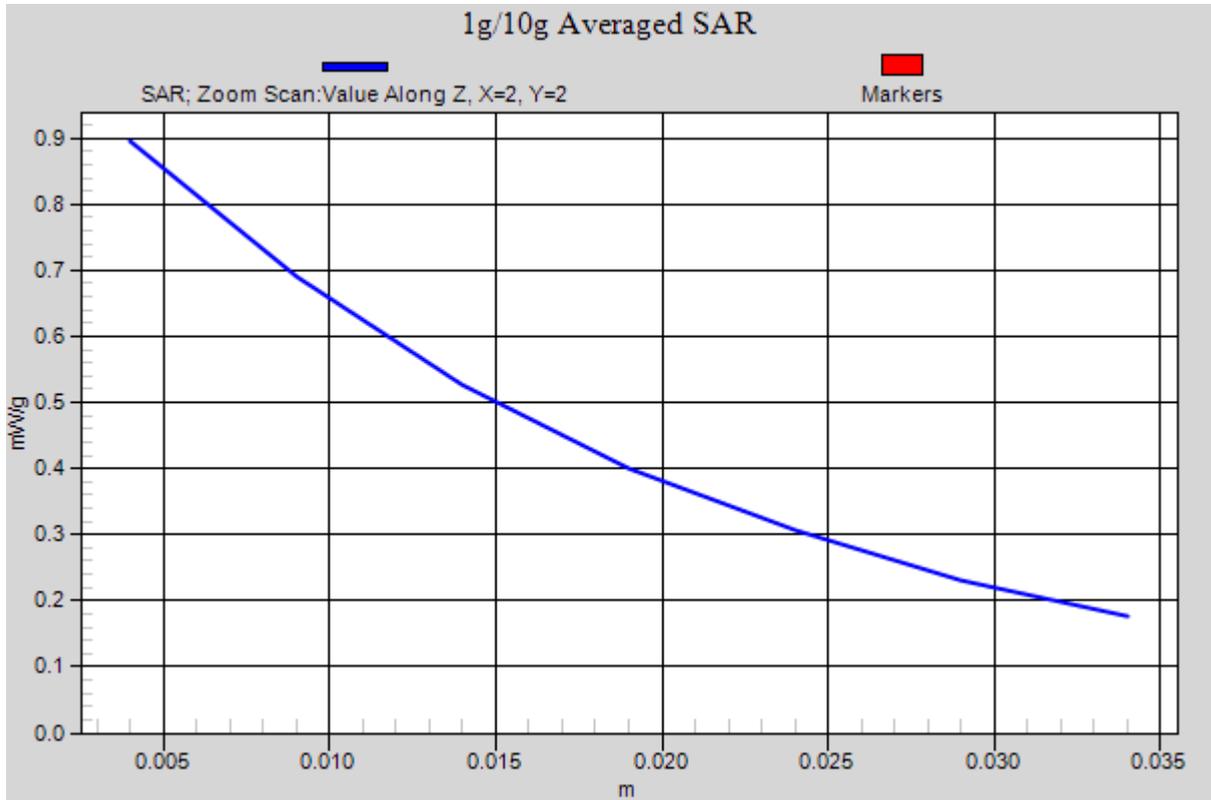


Figure 101 Body, Back Side, WCDMA Band V Channel 4183

**WCDMA Band V Back Side Low (Battery 1)**

Date/Time: 5/4/2012 9:05:00 PM

Communication System: WCDMA ; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.18, 9.18, 9.18); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side Low/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.821 mW/g

**Back Side Low/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.1 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.980 W/kg

**SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.434 mW/g**

Maximum value of SAR (measured) = 0.757 mW/g

**Back Side Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.1 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.792 mW/g; SAR(10 g) = 0.594 mW/g**

Maximum value of SAR (measured) = 0.832 mW/g

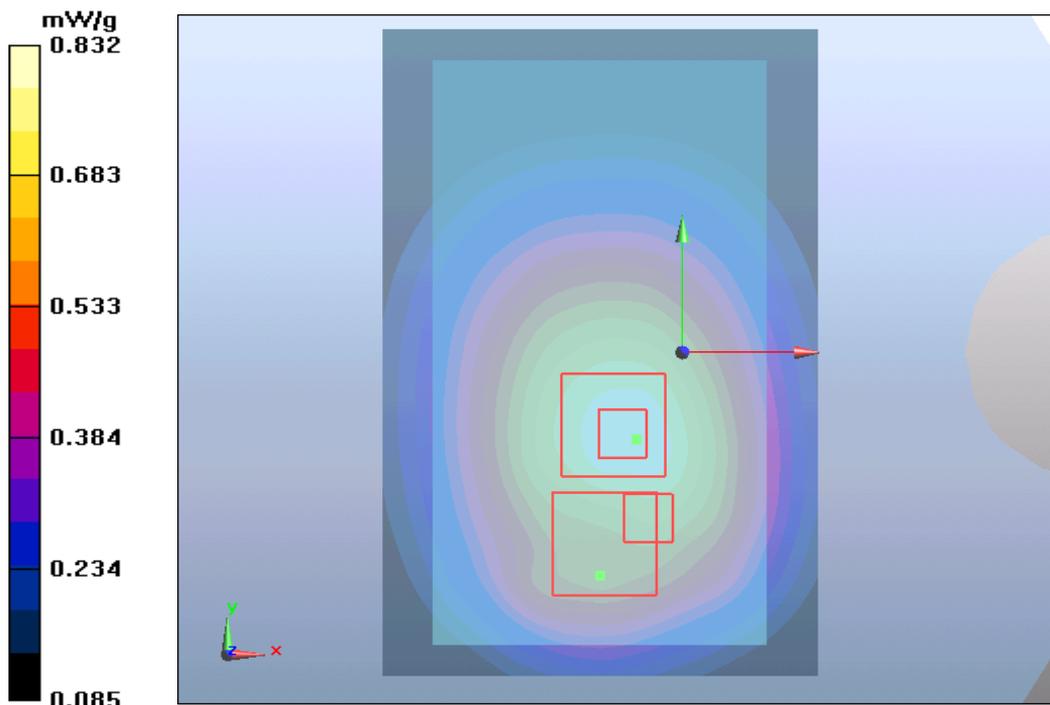


Figure 102 Body, Back Side, WCDMA Band V Channel 4132

**WCDMA Band V Front Side Low (Battery 1)**

Date/Time: 5/5/2012 1:04:53 PM

Communication System: WCDMA ; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.18, 9.18, 9.18); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Front Side Low/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.408 mW/g

**Front Side Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.5 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.482 W/kg

**SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.304 mW/g**

Maximum value of SAR (measured) = 0.409 mW/g

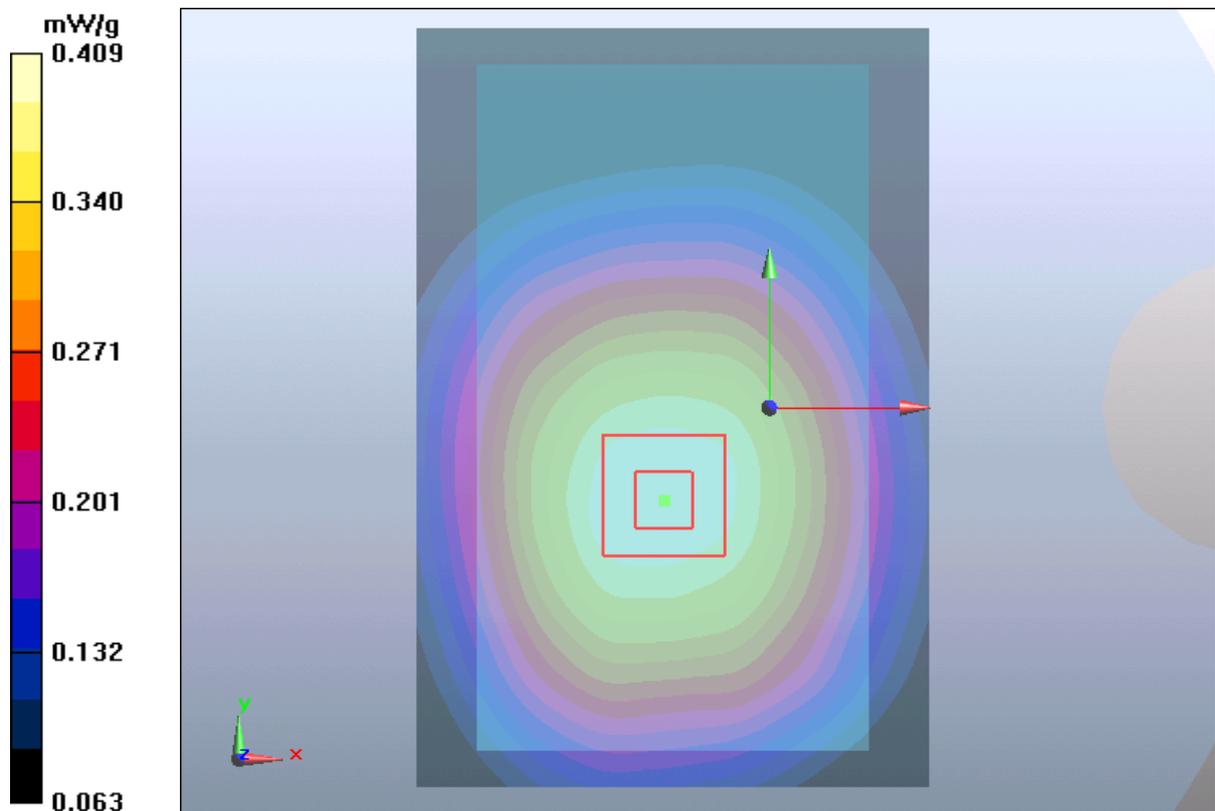


Figure 103 Body, Front Side, WCDMA Band V Channel 4132

**WCDMA Band V Left Edge Low (Battery 1)**

Date/Time: 5/5/2012 1:29:28 PM

Communication System: WCDMA ; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.18, 9.18, 9.18); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Left Edge Low/Area Scan (31x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.385 mW/g

**Left Edge Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.8 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.507 W/kg

**SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.254 mW/g**

Maximum value of SAR (measured) = 0.387 mW/g

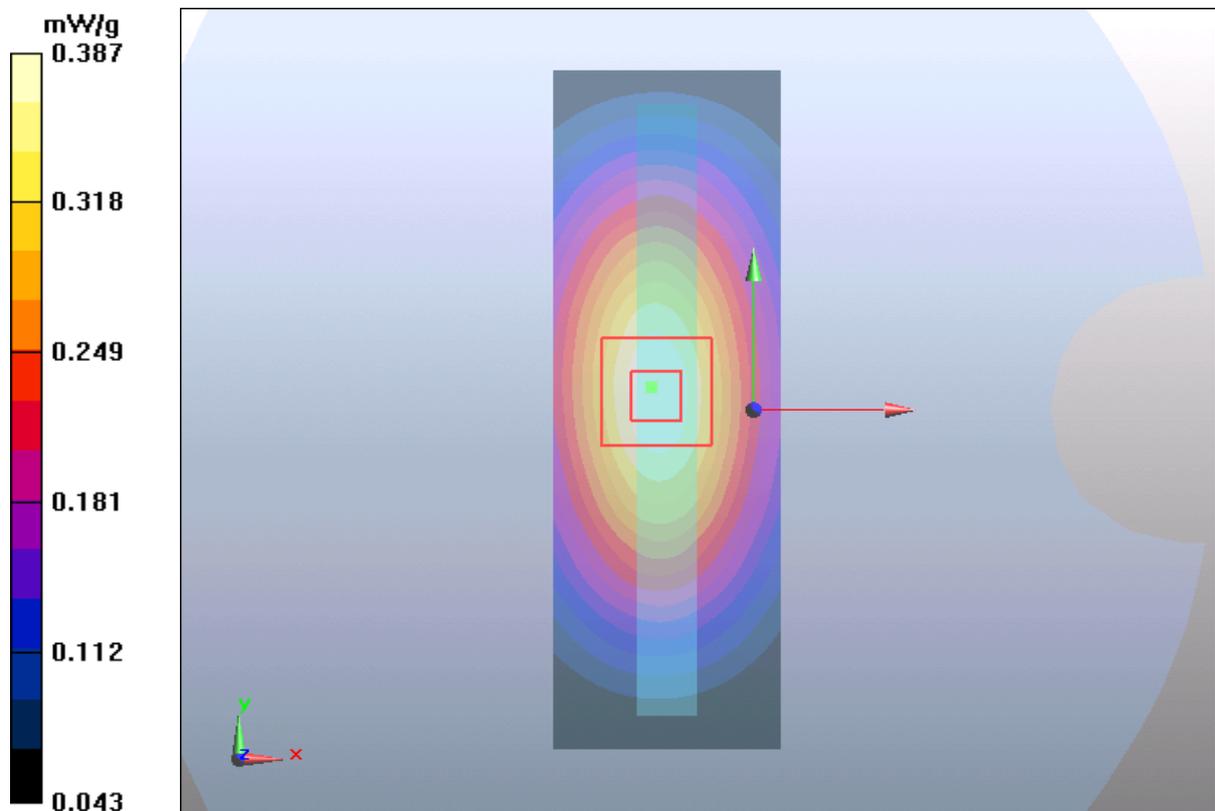


Figure 104 Body, Left Edge, WCDMA Band V Channel 4132

### WCDMA Band V Right Edge Low (Battery 1)

Date/Time: 5/5/2012 1:44:13 PM

Communication System: WCDMA ; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.18, 9.18, 9.18); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Right Edge Low/Area Scan (31x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.376 mW/g

**Right Edge Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.494 W/kg

**SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.245 mW/g**

Maximum value of SAR (measured) = 0.378 mW/g

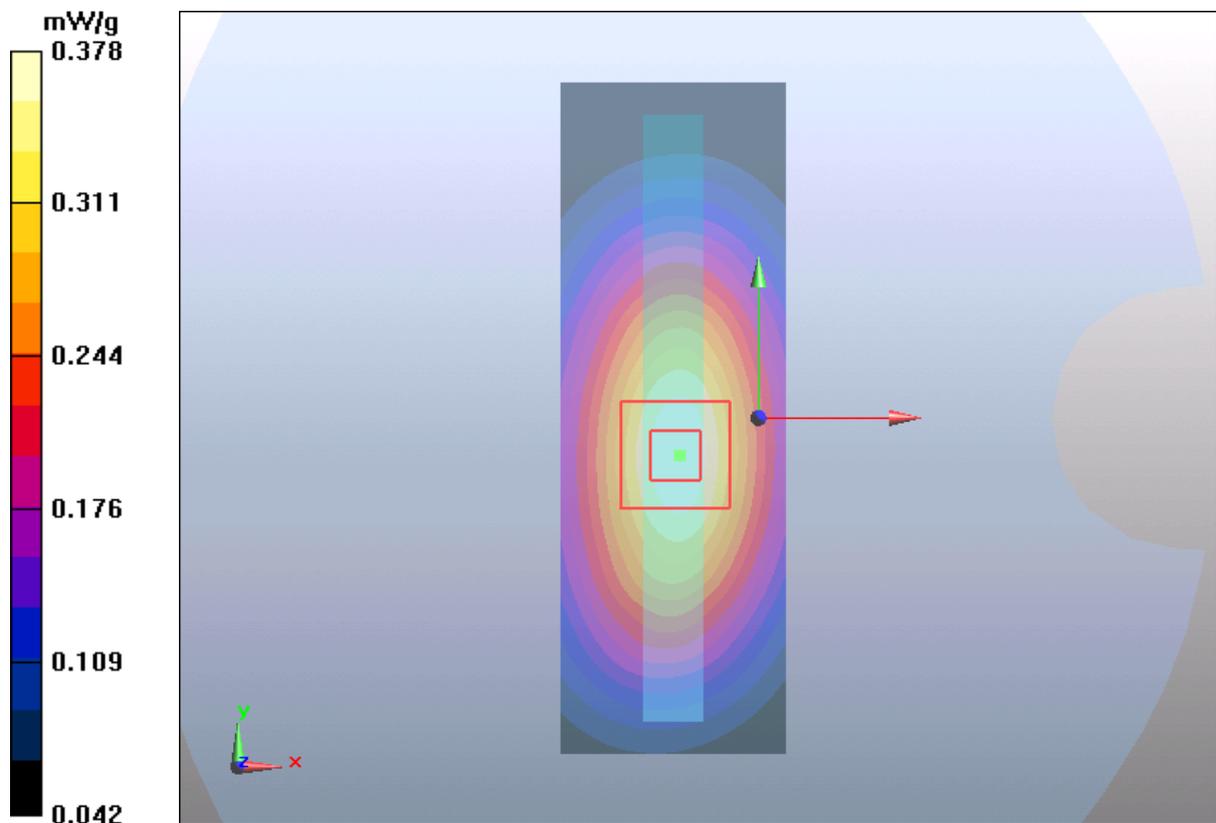


Figure 105 Body, Right Edge, WCDMA Band V Channel 4132

### WCDMA Band V Bottom Edge Low (Battery 1)

Date/Time: 5/5/2012 2:25:03 PM

Communication System: WCDMA ; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.974$  mho/m;  $\epsilon_r = 54.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.18, 9.18, 9.18); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Bottom Edge Low 2/Area Scan (31x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.060 mW/g

**Bottom Edge Low 2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.76 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.090 W/kg

**SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.062 mW/g

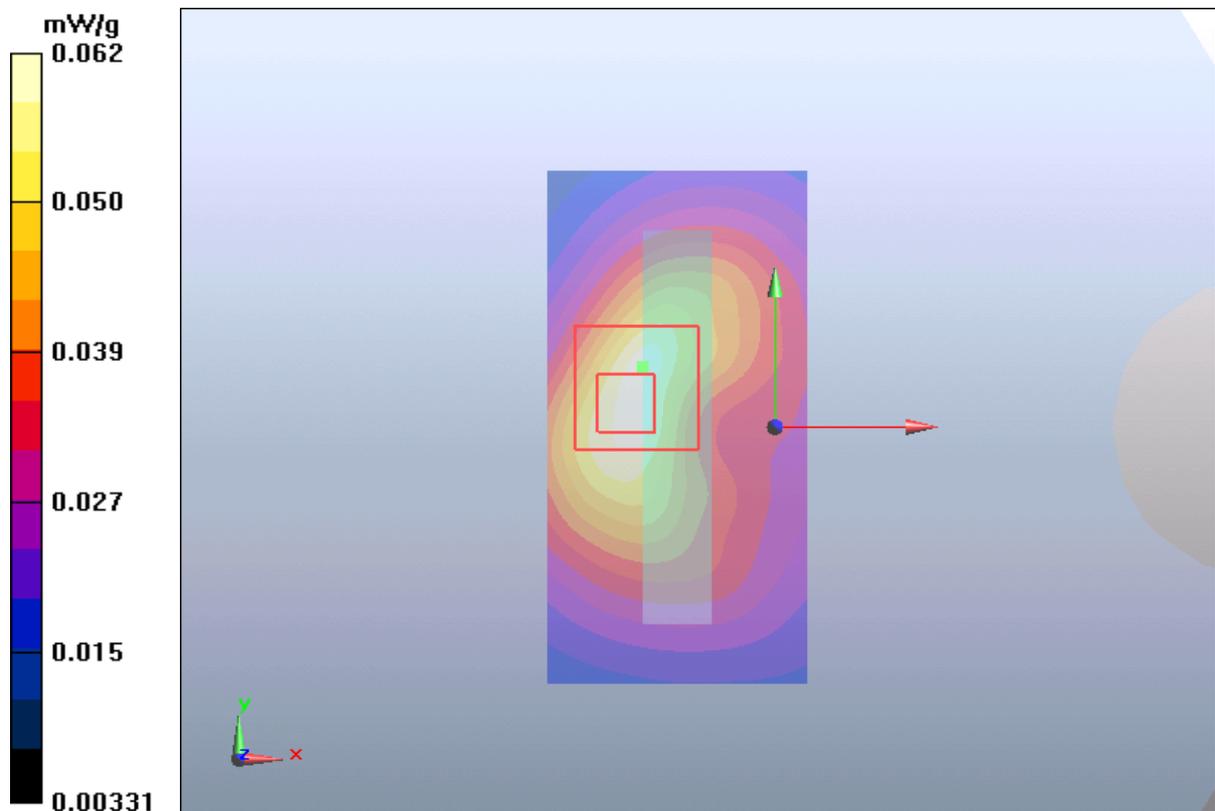


Figure 106 Body, Bottom Edge, WCDMA Band V Channel 4132

# TA Technology (Shanghai) Co., Ltd.

## Test Report

Report No.: RXA1204-0069SAR01R1

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### WCDMA Band V with Stereo Headset 1 Back Side Middle (Battery 1)

Date/Time: 5/5/2012 11:27:30 AM

Communication System: WCDMA ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.18, 9.18, 9.18); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side Middle/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.753 mW/g

**Back Side Middle/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.8 V/m; Power Drift = 0.006 dB

Peak SAR (extrapolated) = 0.936 W/kg

**SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.419 mW/g**

Maximum value of SAR (measured) = 0.700 mW/g

**Back Side Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.8 V/m; Power Drift = 0.006 dB

Peak SAR (extrapolated) = 0.925 W/kg

**SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.532 mW/g**

Maximum value of SAR (measured) = 0.747 mW/g

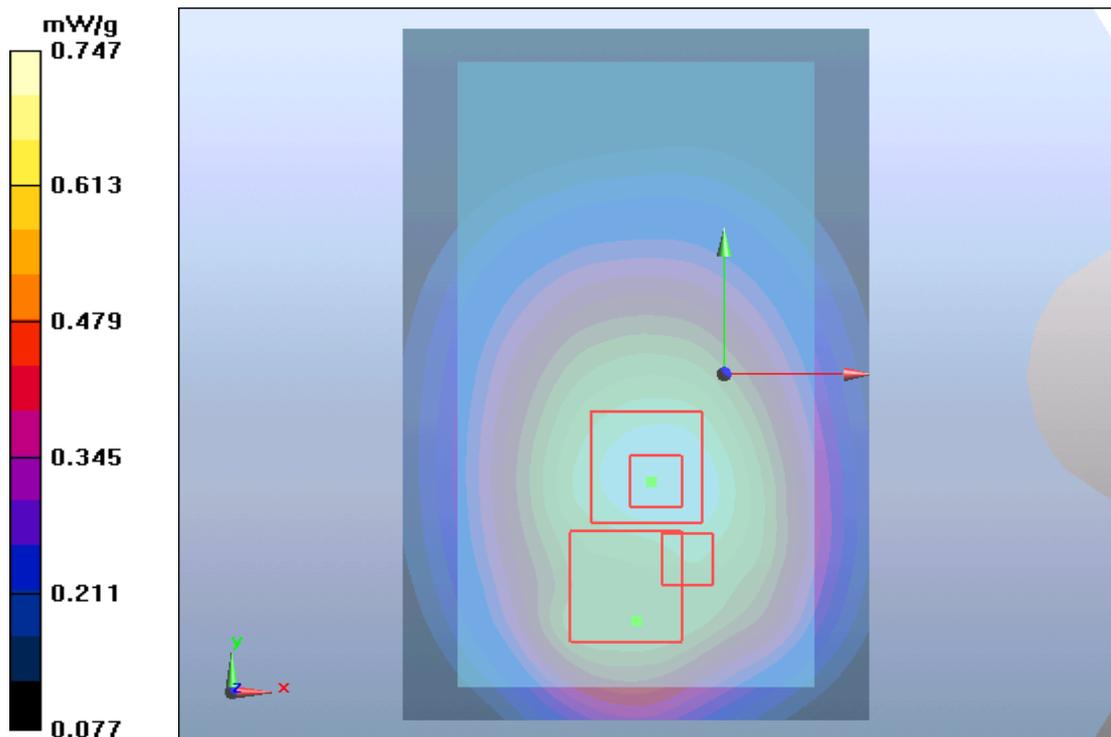


Figure 107 Body with Stereo Headset 1, Back Side, WCDMA Band V Channel 4183

# TA Technology (Shanghai) Co., Ltd.

## Test Report

Report No.: RXA1204-0069SAR01R1

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### WCDMA Band V with Stereo Headset 2 Back Side Middle (Battery 1)

Date/Time: 5/5/2012 11:52:20 AM

Communication System: WCDMA ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.18, 9.18, 9.18); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side Middle/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.763 mW/g

**Back Side Middle/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.2 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.939 W/kg

**SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.419 mW/g**

Maximum value of SAR (measured) = 0.710 mW/g

**Back Side Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.2 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.953 W/kg

**SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.544 mW/g**

Maximum value of SAR (measured) = 0.760 mW/g

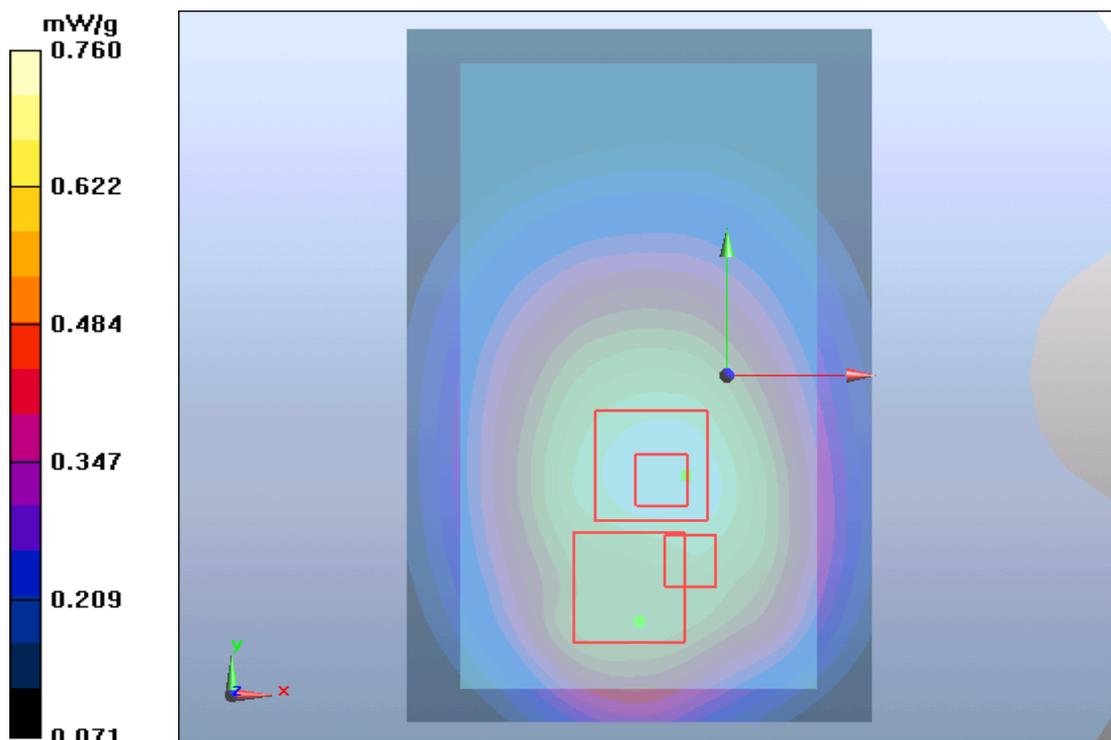


Figure 108 Body with Stereo Headset 2, Back Side, WCDMA Band V Channel 4183

# TA Technology (Shanghai) Co., Ltd.

## Test Report

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### WCDMA Band V with Stereo Headset 3 Back Side Middle (Battery 1)

Date/Time: 5/5/2012 12:16:59 PM

Communication System: WCDMA ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5 °C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(9.18, 9.18, 9.18); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM1; Type: SAM; Serial: TP-1534

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side Middle/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.695 mW/g

**Back Side Middle/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.816 W/kg

**SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.361 mW/g**

Maximum value of SAR (measured) = 0.615 mW/g

**Back Side Middle/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.840 W/kg

**SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.504 mW/g**

Maximum value of SAR (measured) = 0.695 mW/g

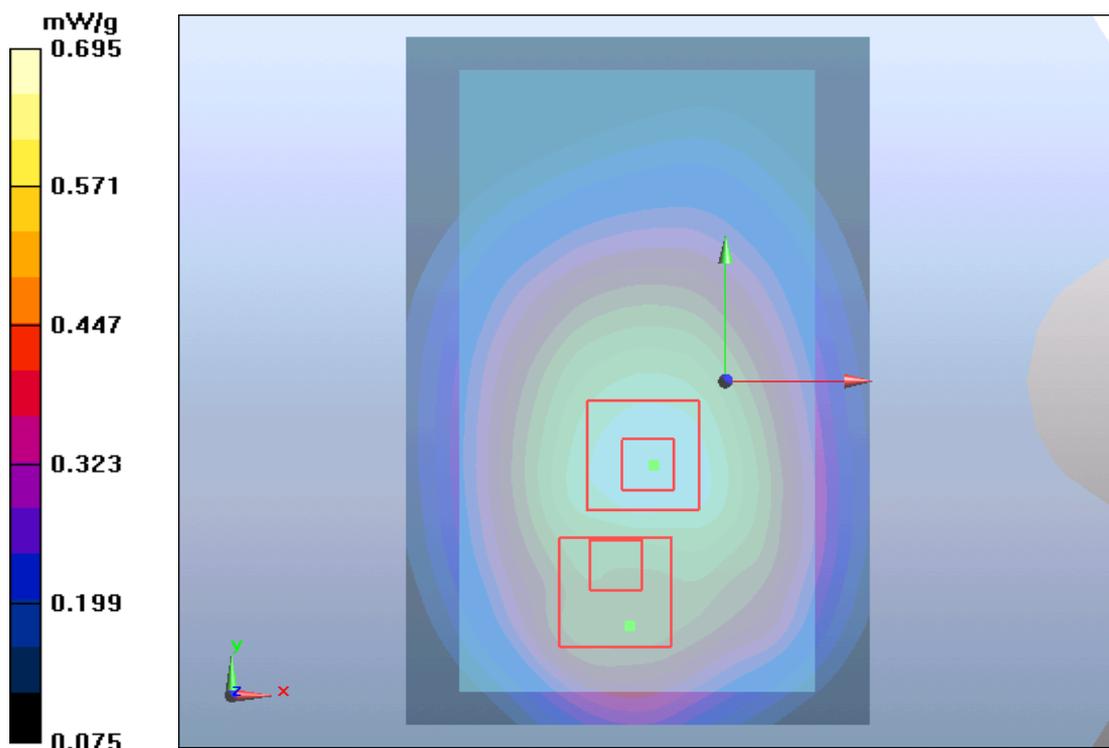


Figure 109 Body with Stereo Headset 3, Back Side, WCDMA Band V Channel 4183

### 802.11b Left Cheek Low (Battery 1)

Date/Time: 5/6/2012 5:19:51 PM

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(6.89, 6.89, 6.89); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**802.11b Left/Cheek Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.053 mW/g

**802.11b Left/Cheek Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.4 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.029 W/kg

**SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.009 mW/g**

Maximum value of SAR (measured) = 0.021 mW/g

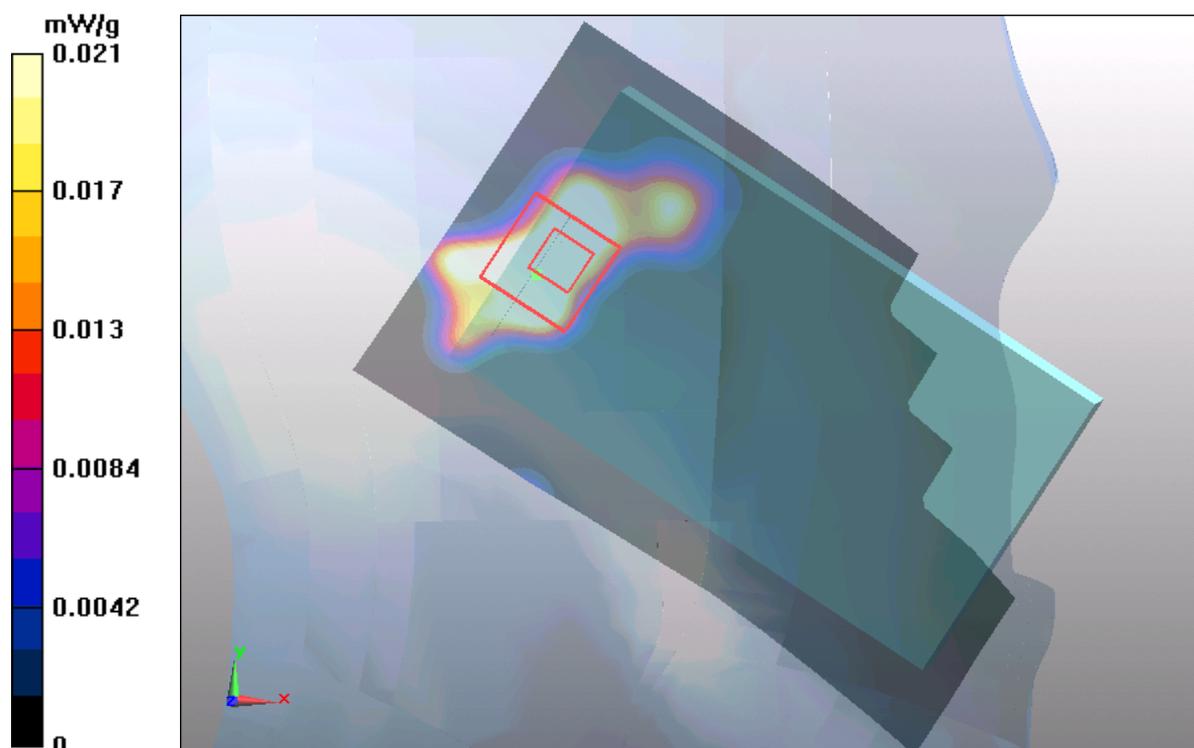


Figure 110 Left Hand Touch Cheek 802.11b Channel 1

**802.11b Left Tilt Low (Battery 1)**

Date/Time: 5/6/2012 5:37:57 PM

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(6.89, 6.89, 6.89); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**802.11b Left/Tilt Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.068 mW/g

**802.11b Left/Tilt Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.94 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.039 W/kg

**SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.011 mW/g**

Maximum value of SAR (measured) = 0.025 mW/g

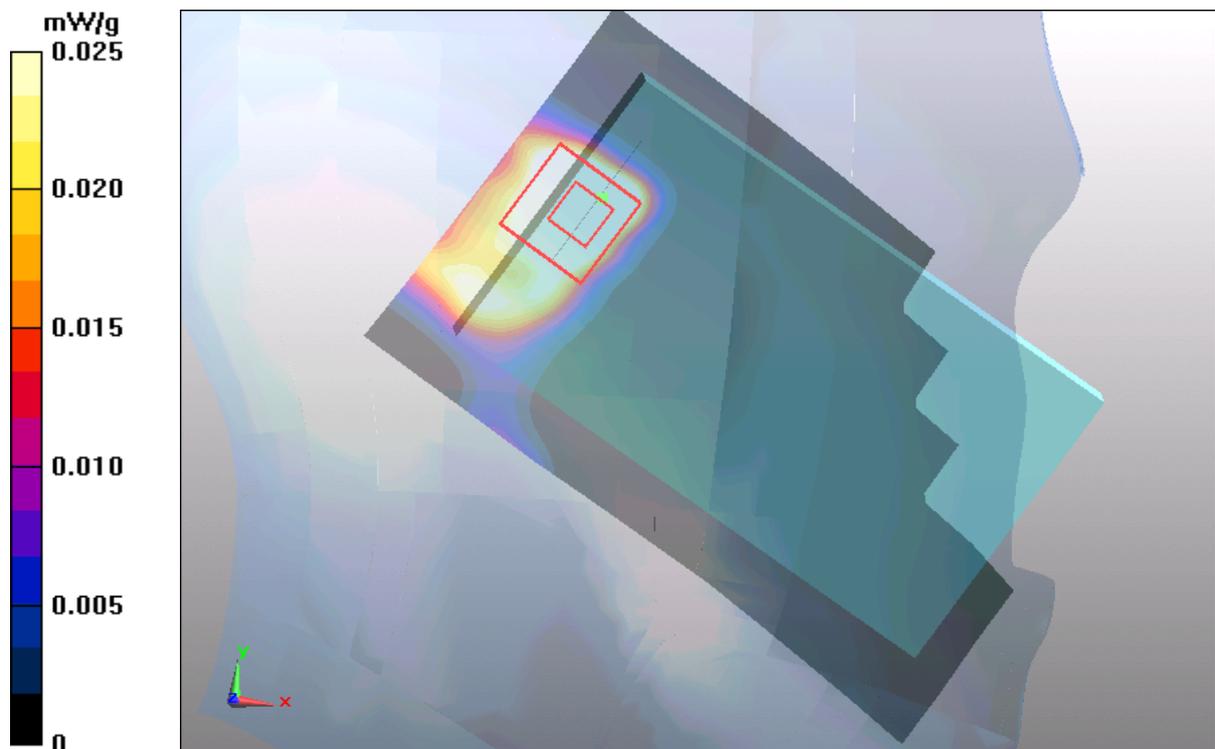


Figure 111 Left Hand Tilt 15° 802.11b Channel 1

### 802.11b Right Cheek Low (Battery 1)

Date/Time: 5/6/2012 4:46:19 PM

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(6.89, 6.89, 6.89); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**802.11b Right/Cheek Low/Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.066 mW/g

**802.11b Right/Cheek Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.26 V/m; Power Drift = 0.077 dB

Peak SAR (extrapolated) = 0.081 W/kg

**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.037 mW/g

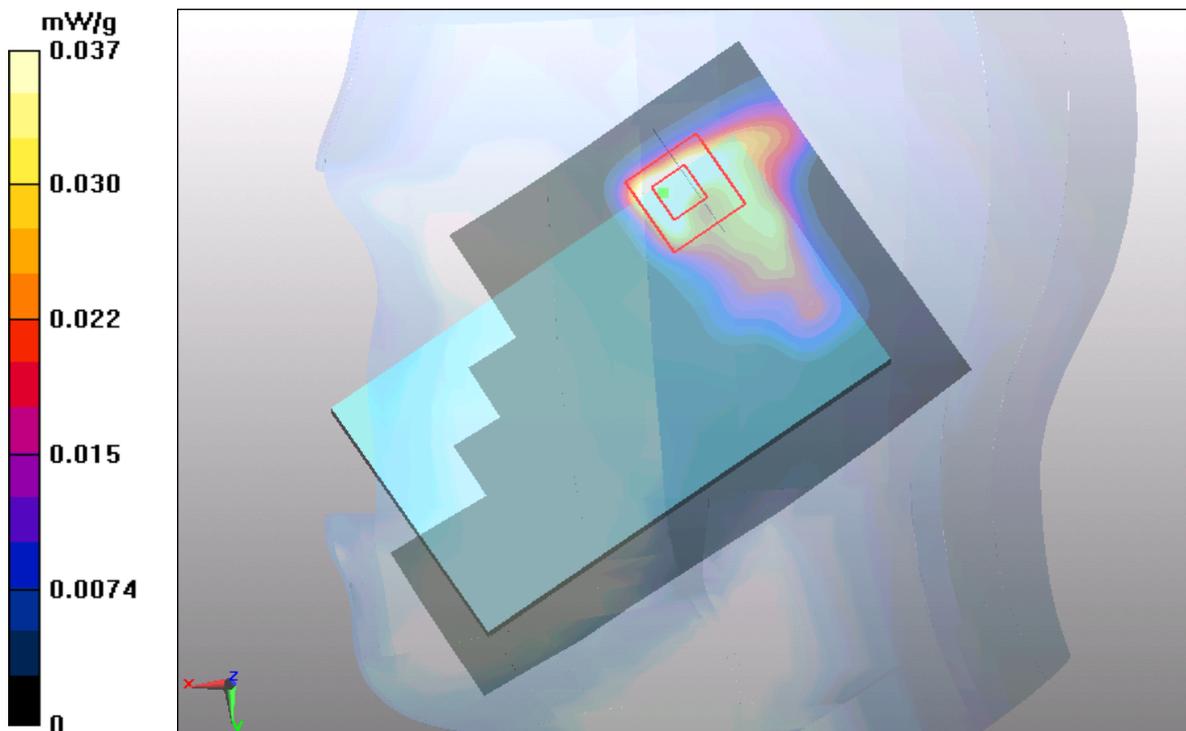


Figure 112 Right Hand Touch Cheek 802.11b Channel 1

### 802.11b Right Tilt Low (Battery 1)

Date/Time: 5/6/2012 4:06:05 PM

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(6.89, 6.89, 6.89); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**802.11b Right/Tilt Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.033 mW/g

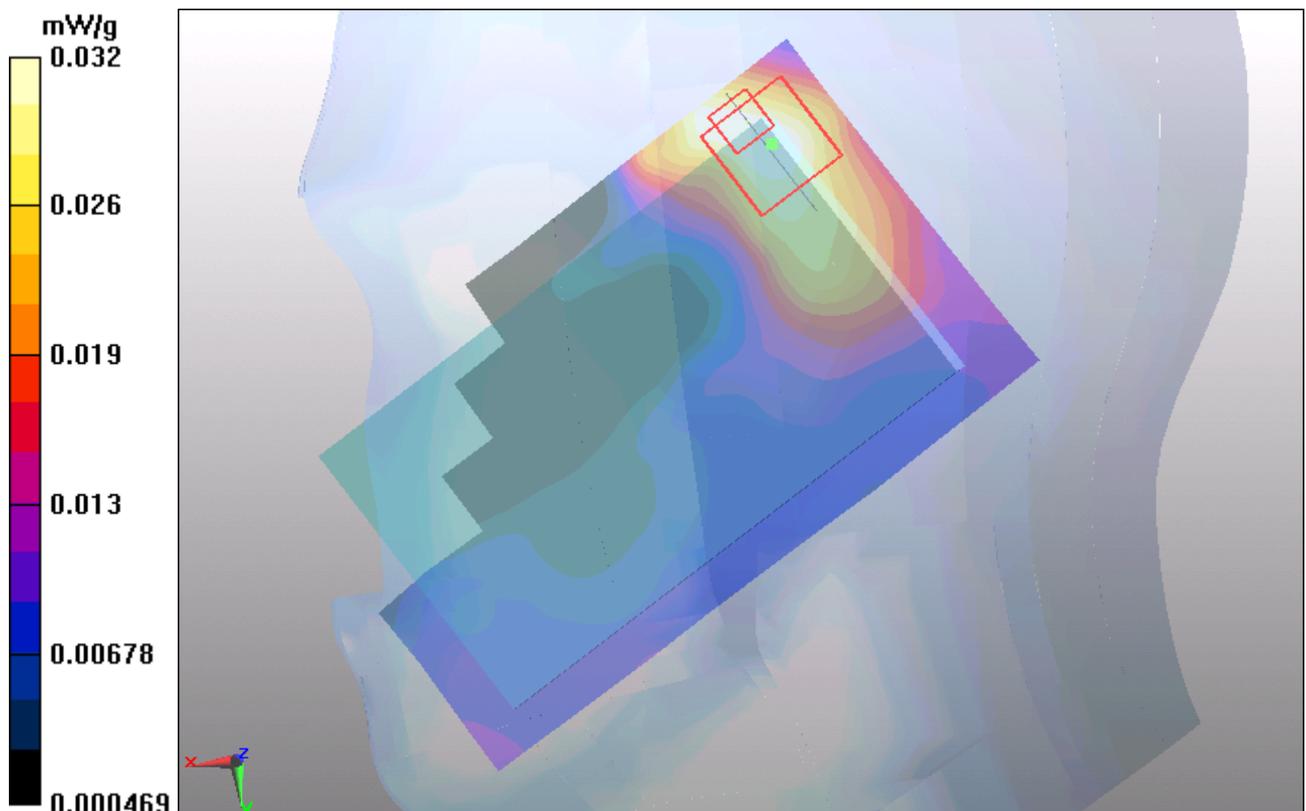
**802.11b Right/Tilt Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.35 V/m; Power Drift = 0.158 dB

Peak SAR (extrapolated) = 0.066 W/kg

**SAR(1 g) = 0.030 mW/g; SAR(10 g) = 0.016 mW/g**

Maximum value of SAR (measured) = 0.032 mW/g



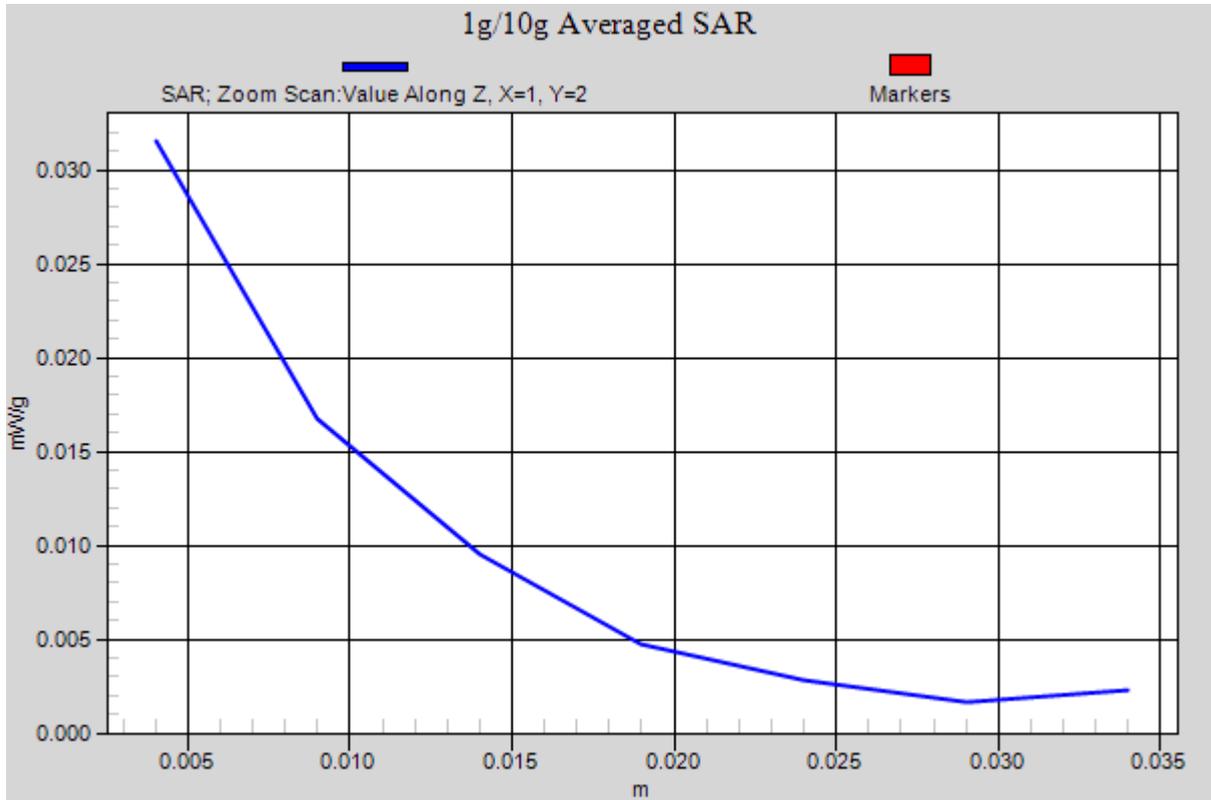


Figure 113 Right Hand Tilt 15° 802.11b Channel 1

### 802.11b Back Side Low (Battery 1)

Date/Time: 5/6/2012 8:27:02 PM

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(7.03, 7.03, 7.03); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Back Side Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.217 mW/g

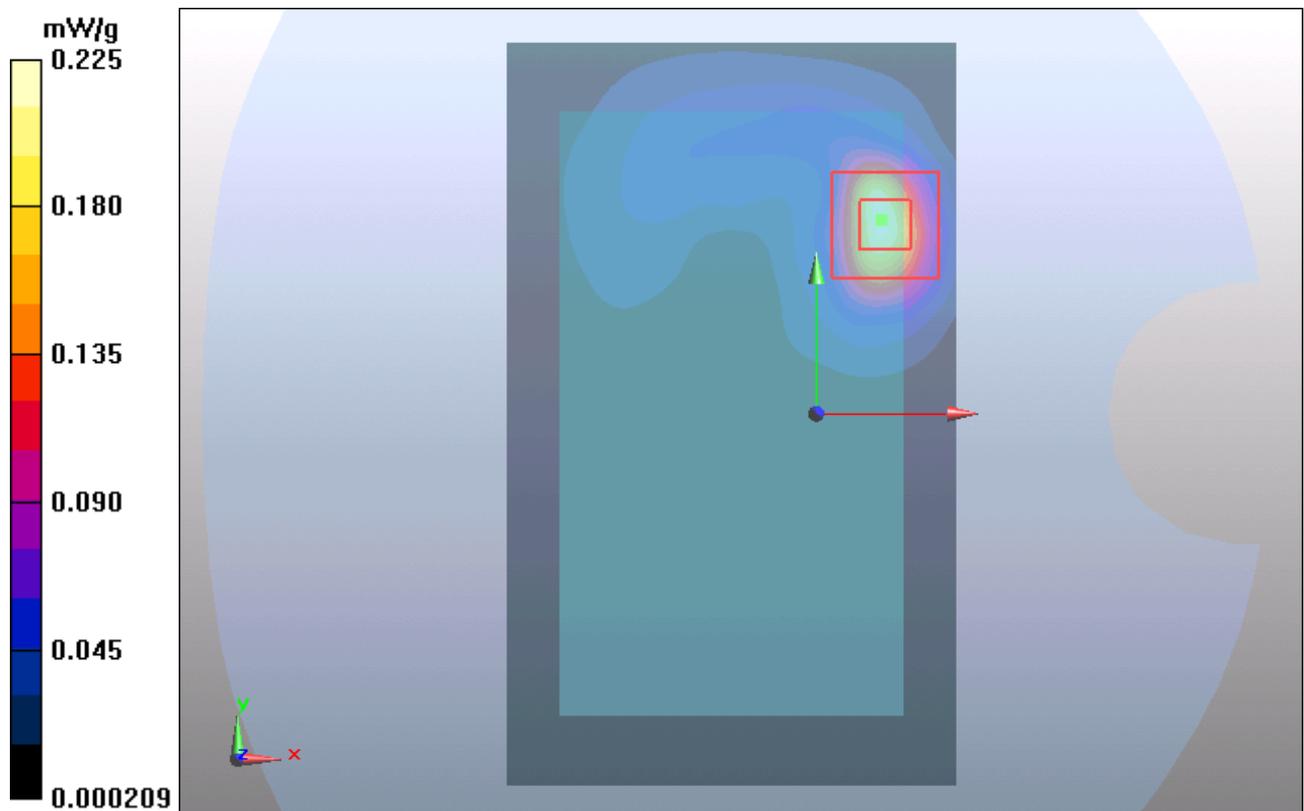
**Back Side Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.48 V/m; Power Drift = 0.177 dB

Peak SAR (extrapolated) = 0.392 W/kg

**SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.084 mW/g**

Maximum value of SAR (measured) = 0.225 mW/g



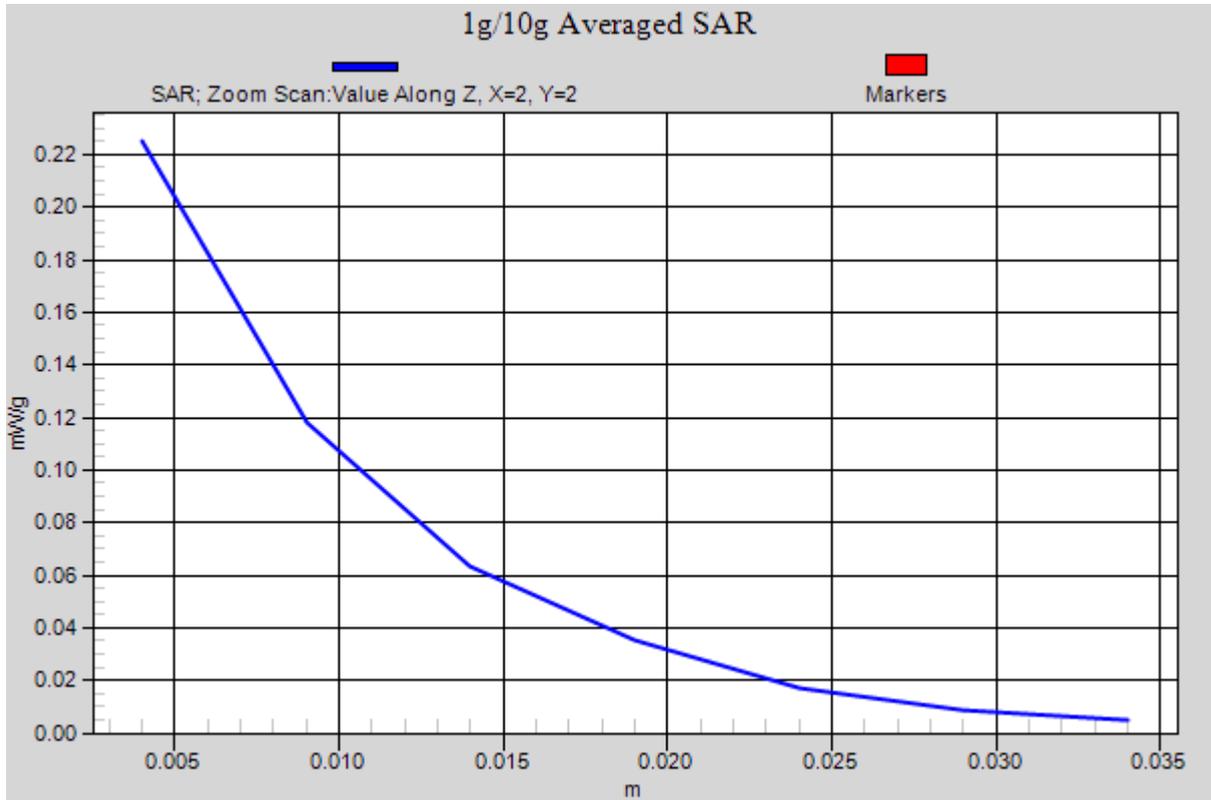


Figure 114 Body, Back Side, 802.11b Channel 1

### 802.11b Front Side Low (Battery 1)

Date/Time: 5/6/2012 8:50:38 PM

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(7.03, 7.03, 7.03); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Front Side Low/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.020 mW/g

**Front Side Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.641 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.024 W/kg

**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.006 mW/g**

Maximum value of SAR (measured) = 0.012 mW/g

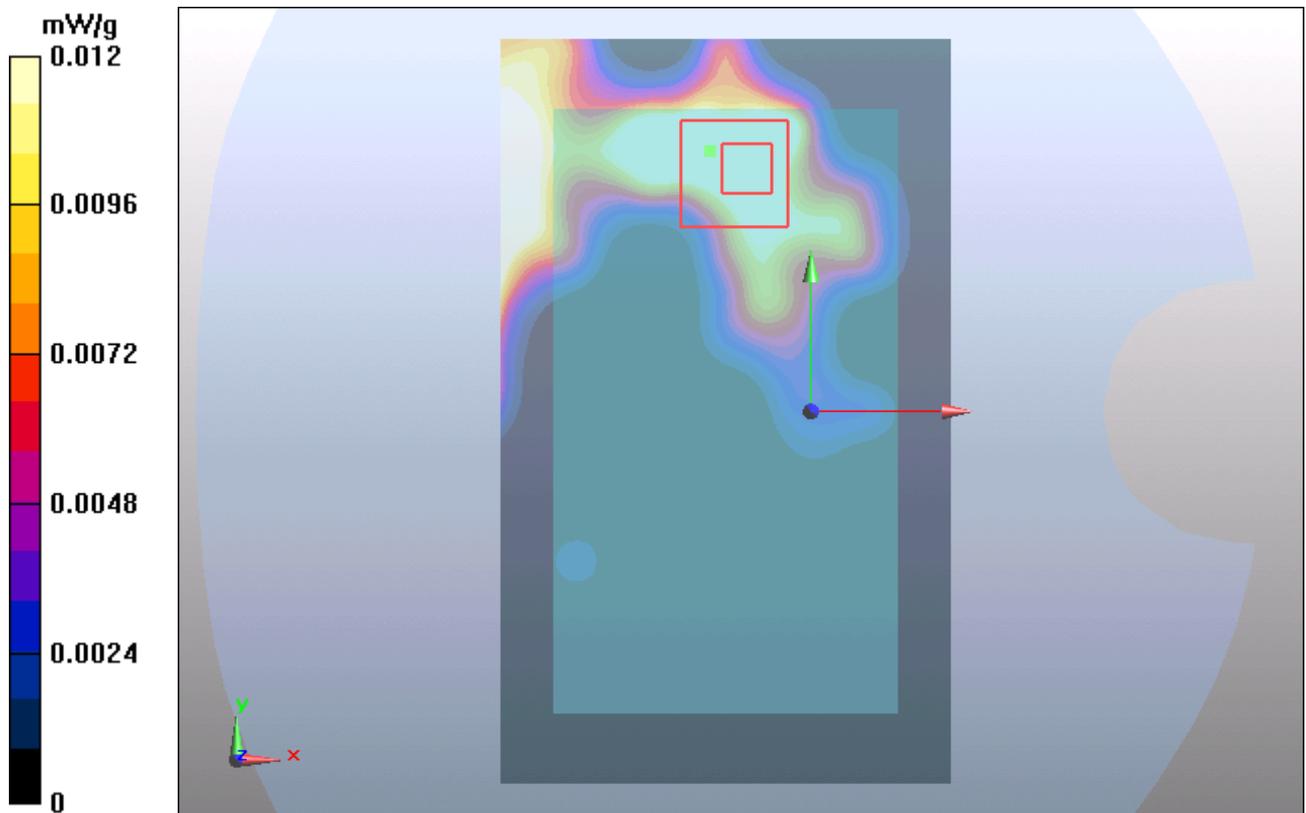


Figure 115 Body, Front Side, 802.11b Channel 1

### 802.11b Left Edge Low (Battery 1)

Date/Time: 5/6/2012 8:10:48 PM

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(7.03, 7.03, 7.03); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Left Edge Low/Area Scan (31x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.083 mW/g

**Left Edge Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.63 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 0.168 W/kg

**SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.091 mW/g

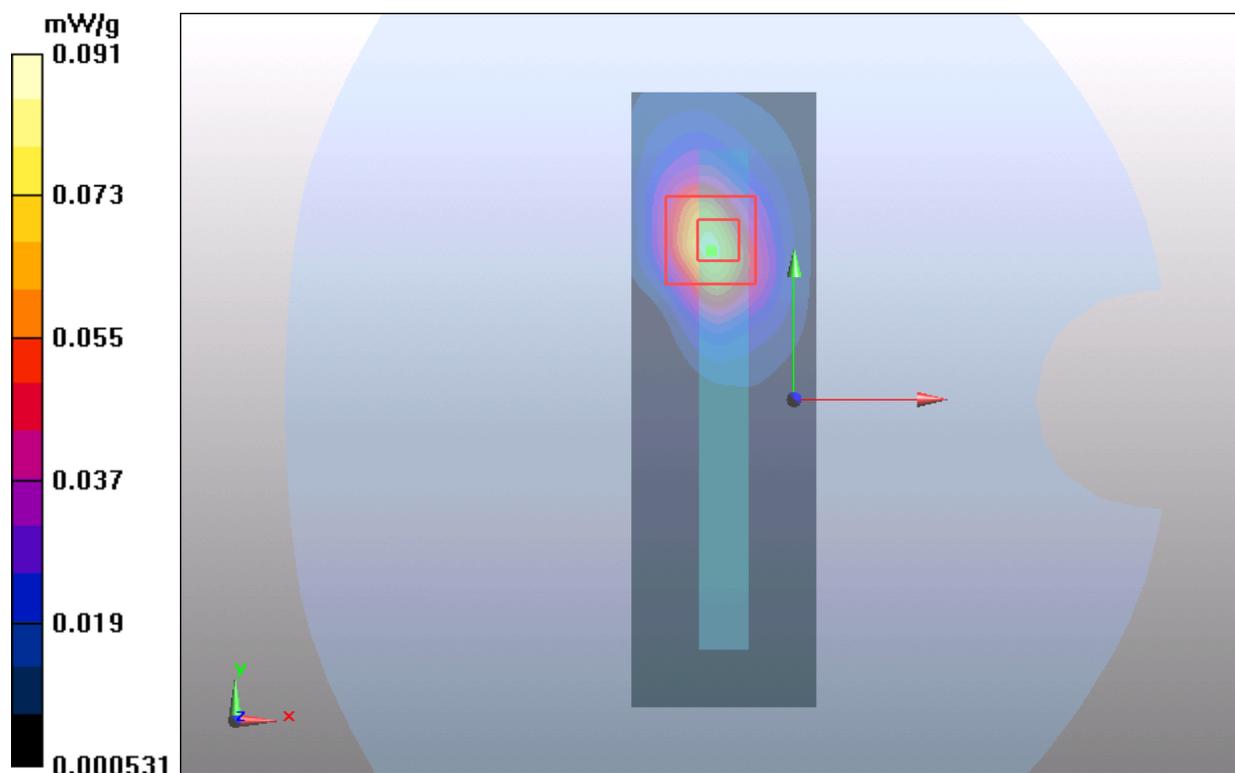


Figure 116 Body, Left Edge, 802.11b Channel 1

### 802.11b Top Edge Low (Battery 1)

Date/Time: 5/6/2012 7:37:48 PM

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.85$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.3 °C      Liquid Temperature: 21.5°C

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3753; ConvF(7.03, 7.03, 7.03); Calibrated: 1/4/2012

Electronics: DAE4 Sn871; Calibrated: 11/22/2011

Phantom: SAM2; Type: SAM; Serial: TP-1524

Measurement SW: DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 59

**Top Edge Low/Area Scan (31x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.029 mW/g

**Top Edge Low/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.87 V/m; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.049 W/kg

**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.016 mW/g**

Maximum value of SAR (measured) = 0.031 mW/g

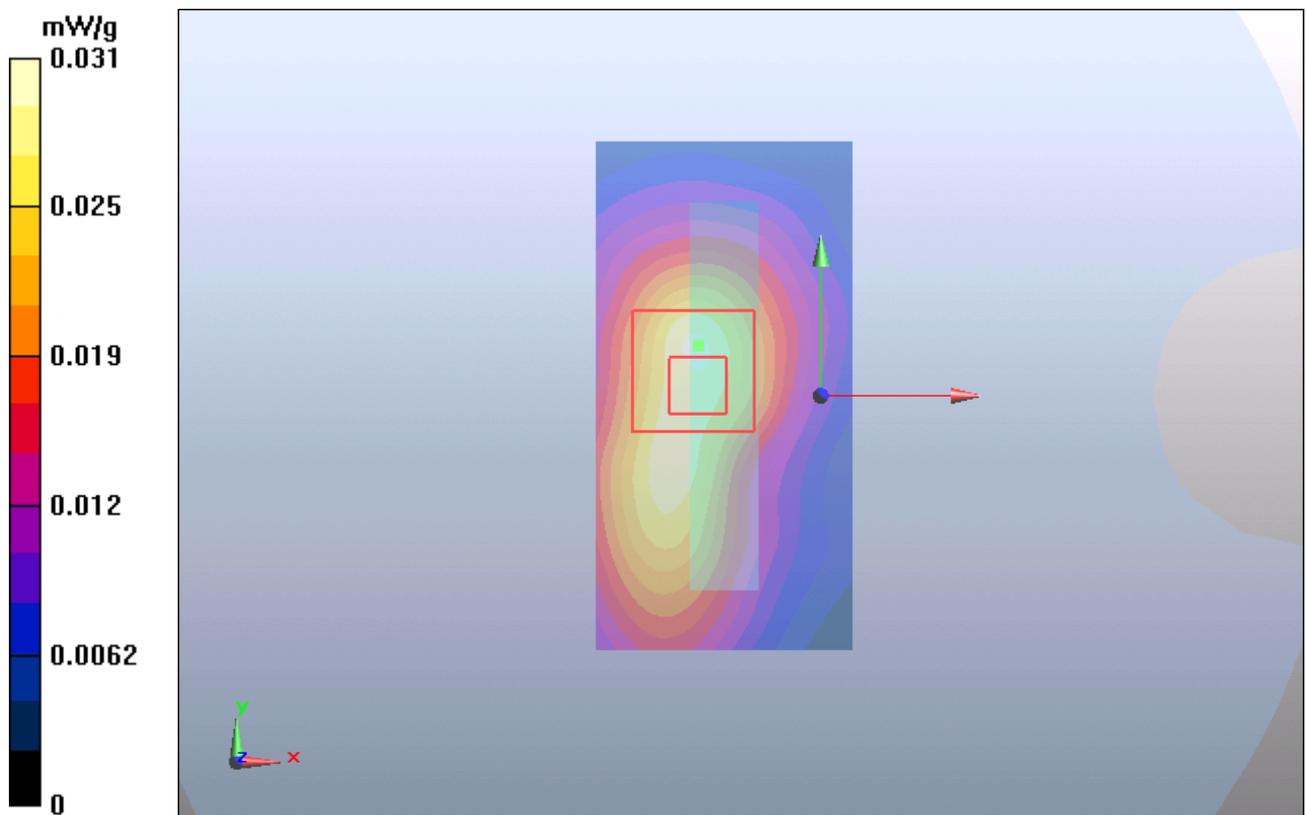


Figure 117 Body, Top Edge, 802.11b Channel 1

# TA Technology (Shanghai) Co., Ltd.

## Test Report

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### ANNEX D: Probe Calibration Certificate

**Calibration Laboratory of  
Schmid & Partner  
Engineering AG**  
Zeughausstrasse 43, 8004 Zurich, Switzerland



**S** Schweizerischer Kalibrierdienst  
**S** Service suisse d'étalonnage  
**S** Servizio svizzero di taratura  
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)  
The Swiss Accreditation Service is one of the signatories to the EA  
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

Client **Auden**

Certificate No: **EX3-3753\_Jan12**

#### CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:3753**

Calibration procedure(s) **QA CAL-01.v8, QA CAL-14.v3, QA CAL-23.v4, QA CAL-25.v4  
Calibration procedure for dosimetric E-field probes**

Calibration date: **January 4, 2012**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).  
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	31-Mar-11 (No. 217-01372)	Apr-12
Power sensor E4412A	MY41498087	31-Mar-11 (No. 217-01372)	Apr-12
Reference 3 dB Attenuator	SN: S5054 (3c)	29-Mar-11 (No. 217-01369)	Apr-12
Reference 20 dB Attenuator	SN: S5088 (20b)	29-Mar-11 (No. 217-01367)	Apr-12
Reference 30 dB Attenuator	SN: S5129 (30b)	29-Mar-11 (No. 217-01370)	Apr-12
Reference Probe ES3DV2	SN: 3013	29-Dec-11 (No. ES3-3013_Dec11)	Dec-12
DAE4	SN: 654	3-May-11 (No. DAE4-654_May11)	May-12
Secondary Standards	ID	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (in house check Apr-11)	In house check: Apr-13
Network Analyzer HP 8753E	US37390585	18-Oct-01 (in house check Oct-11)	In house check: Oct-12

	Name	Function	Signature
Calibrated by:	Jeton Kastrall	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: January 4, 2012

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.