

### GSM 1900 Towards Ground with Earphone High

Date/Time: 12/13/2009 3:01:08 PM

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Ground High/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.275 mW/g

**Towards Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.43 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.440 W/kg

**SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.137 mW/g**

Maximum value of SAR (measured) = 0.277 mW/g

**Towards Ground High/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.43 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.342 W/kg

**SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.138 mW/g**

Maximum value of SAR (measured) = 0.236 mW/g

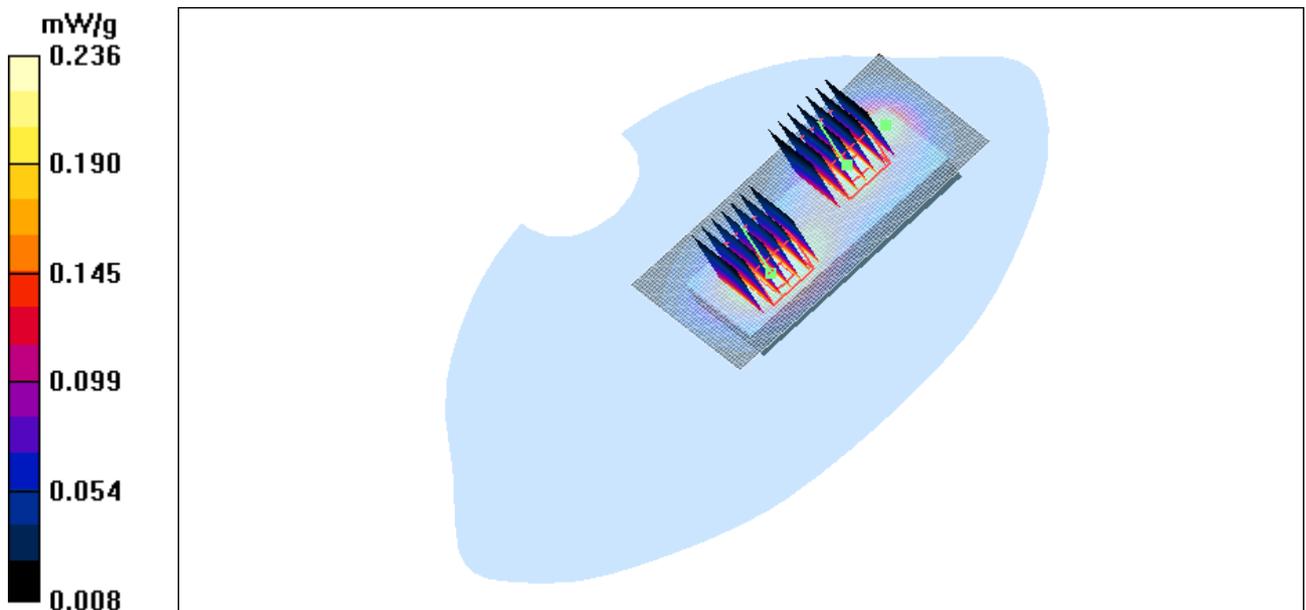


Figure 71 Body with Earphone, Towards Ground, GSM 1900 Channel 810

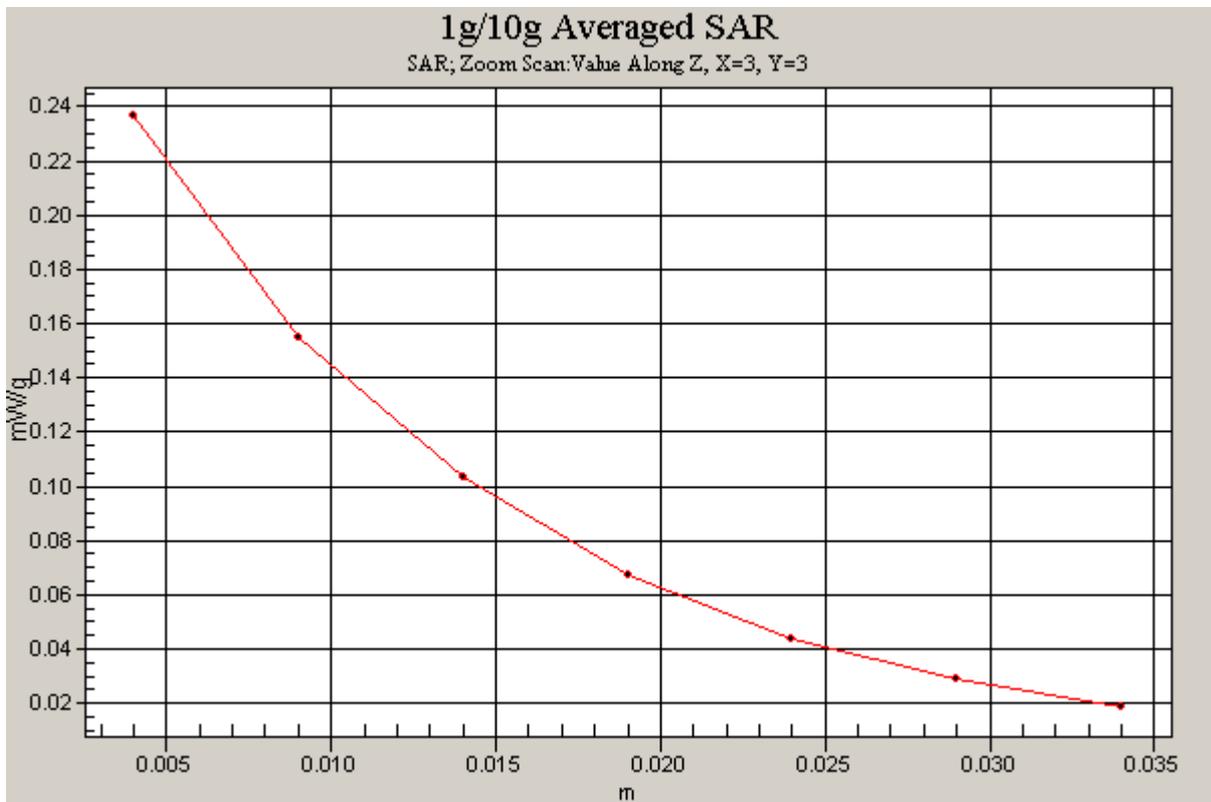
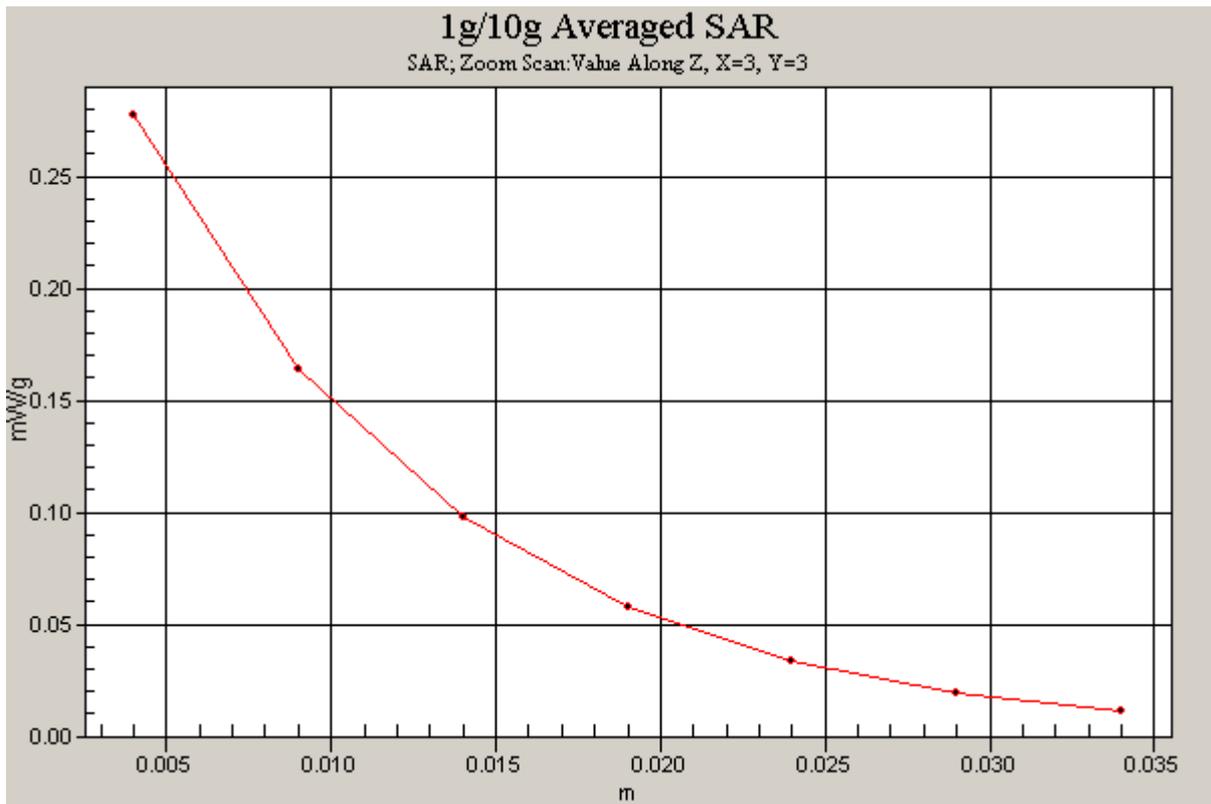


Figure 72 Z-Scan at power reference point (Body with Earphone, Towards Ground, GSM 1900 Channel 810)

### GSM 1900+GPRS(2Up) Towards Ground High

Date/Time: 12/13/2009 5:52:43 PM

Communication System: PCS 1900+GPRS(2Up); Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Ground High/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.342 mW/g

**Towards Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.536 W/kg

**SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.173 mW/g**

Maximum value of SAR (measured) = 0.339 mW/g

**Towards Ground High/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.461 W/kg

**SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.184 mW/g**

Maximum value of SAR (measured) = 0.319 mW/g

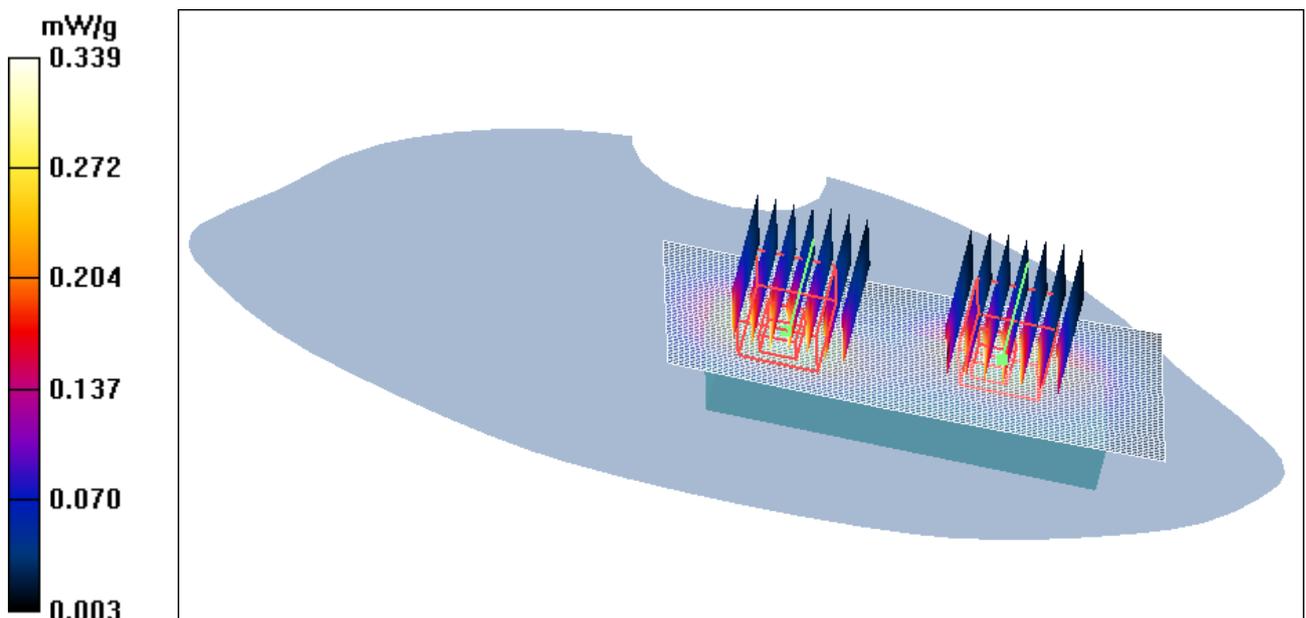


Figure 73 Body, Towards Ground, GSM 1900 GPRS(2up) Channel 810

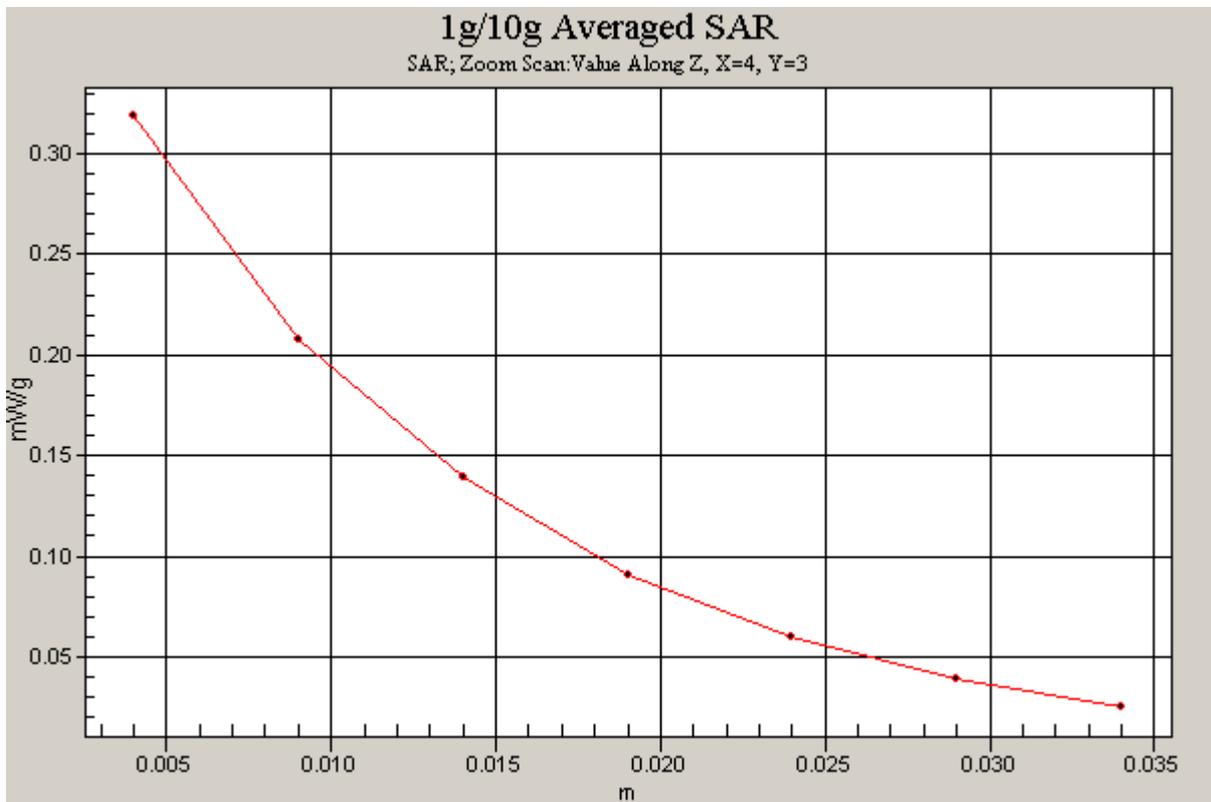
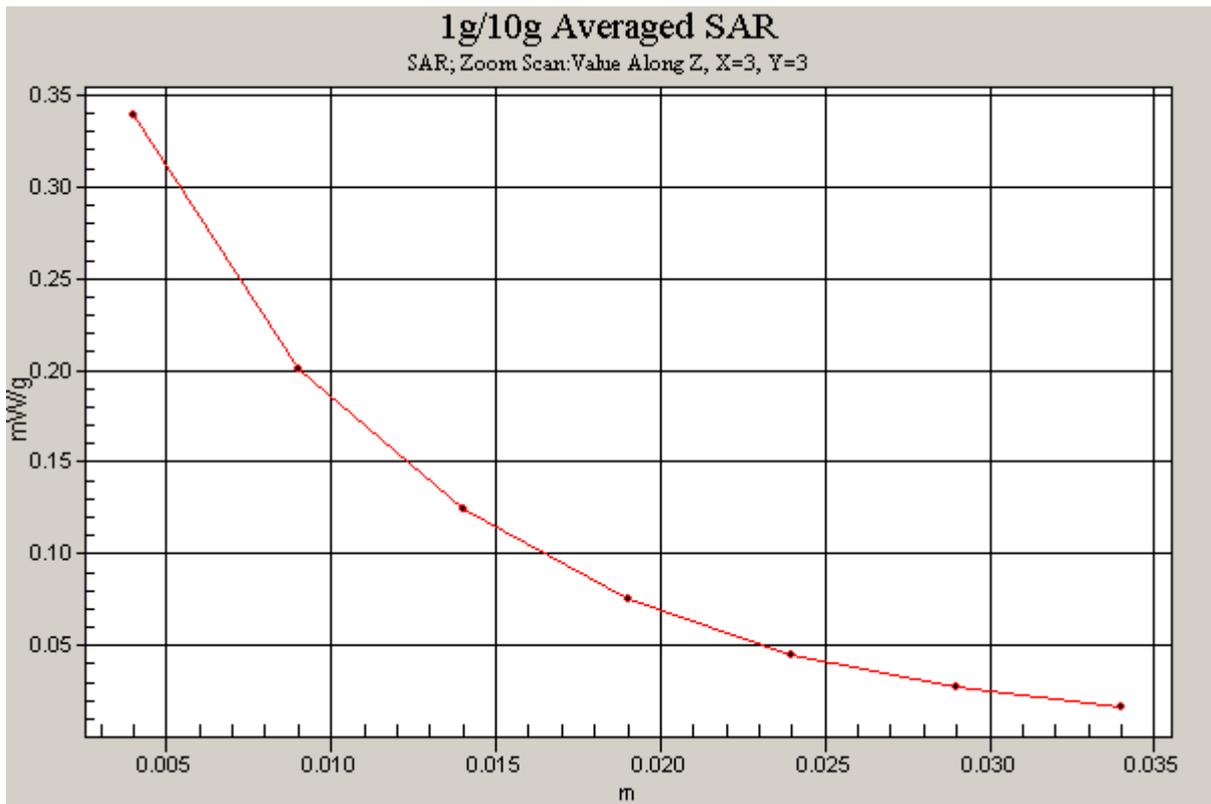


Figure 74 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 GPRS(2up) Channel 810)

### GSM 1900+GPRS(2Up) Towards Ground Middle

Date/Time: 12/13/2009 4:53:13 PM

Communication System: PCS 1900+GPRS(2Up); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Ground Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.404 mW/g

**Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 0.572 W/kg

**SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.197 mW/g**

Maximum value of SAR (measured) = 0.373 mW/g

**Towards Ground Middle/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 0.529 W/kg

**SAR(1 g) = 0.343 mW/g; SAR(10 g) = 0.216 mW/g**

Maximum value of SAR (measured) = 0.367 mW/g

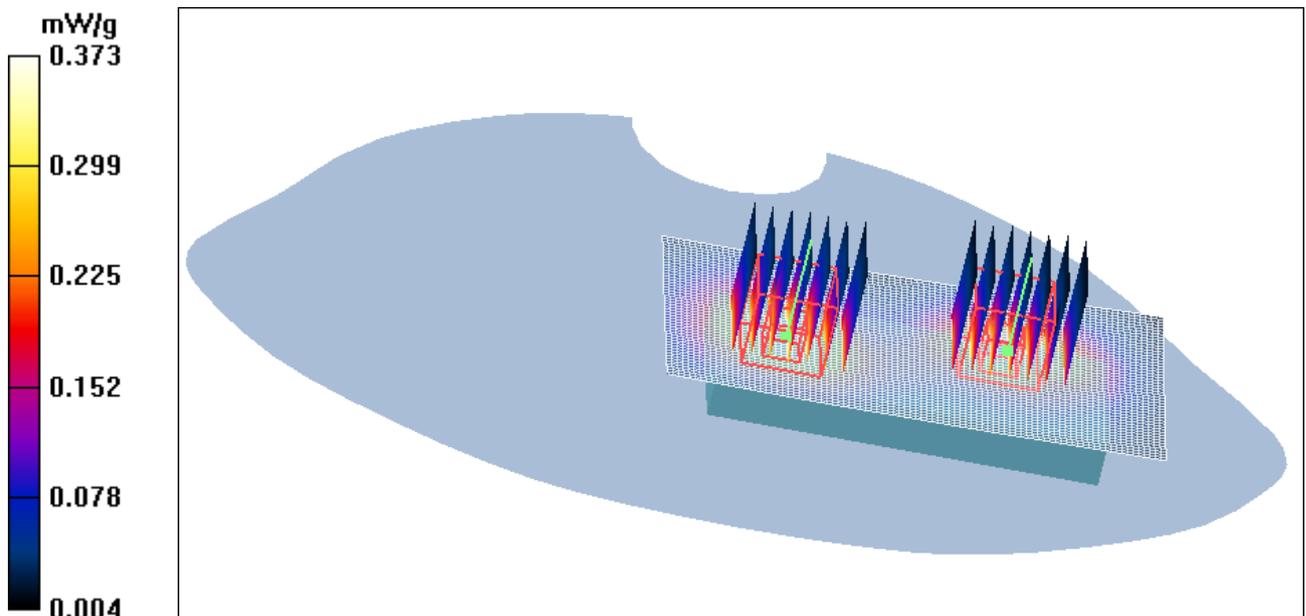


Figure 75 Body, Towards Ground, GSM 1900 GPRS(2up) Channel 661

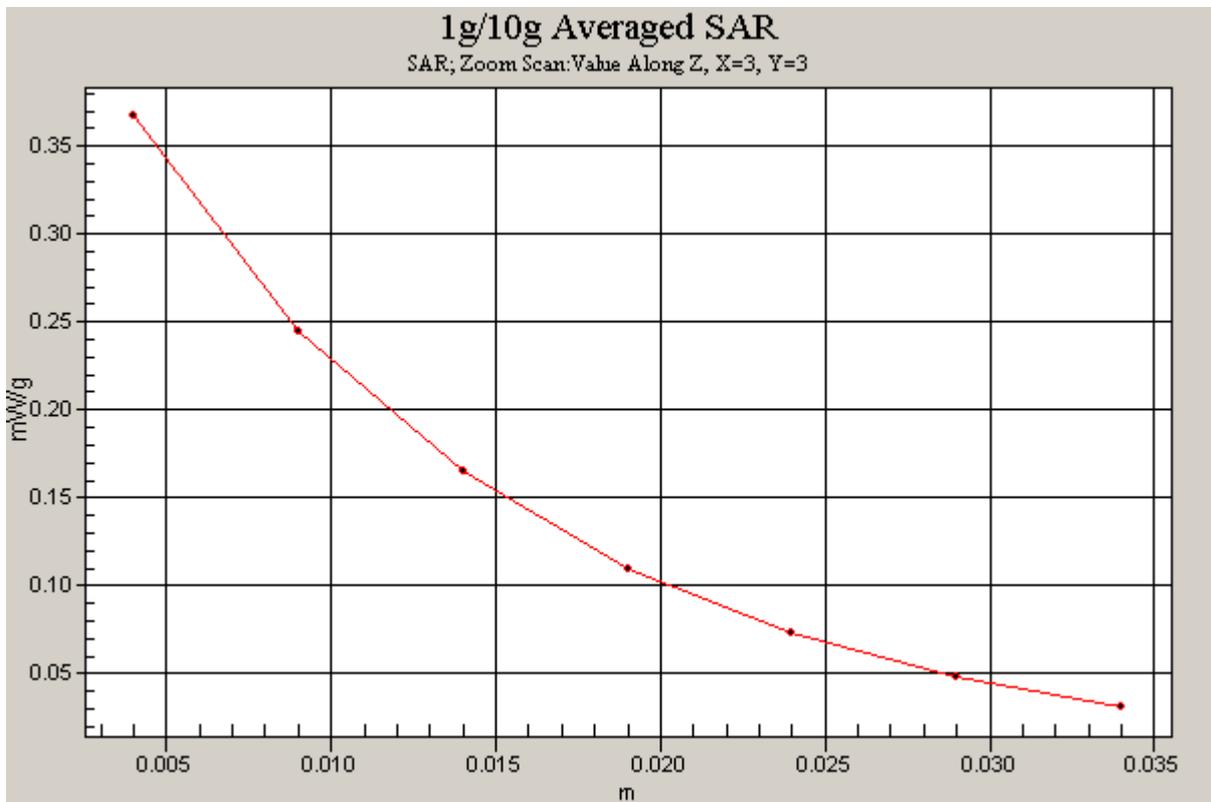
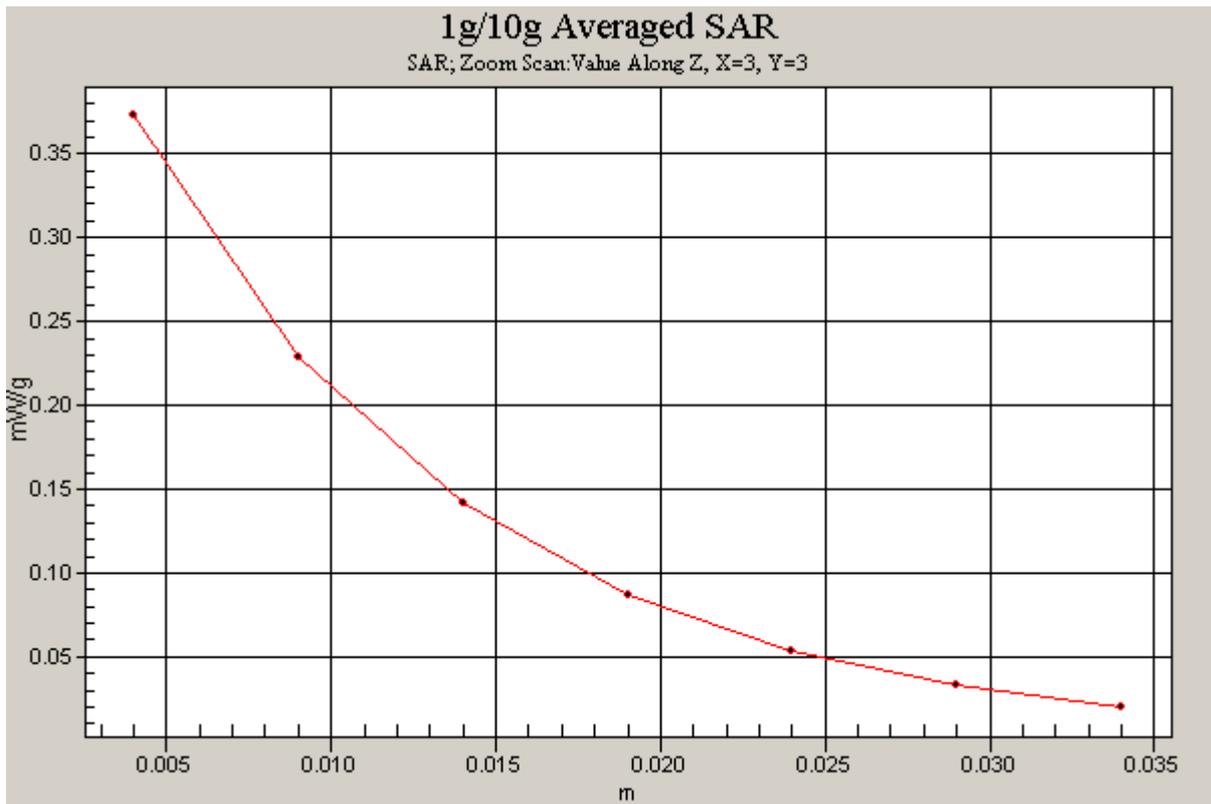


Figure 76 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 GPRS(2up) Channel 661)

### GSM 1900+GPRS(2Up) Towards Ground Low

Date/Time: 12/13/2009 5:23:15 PM

Communication System: PCS 1900+GPRS(2Up); Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Ground Low/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.512 mW/g

**Towards Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.2 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.562 W/kg

**SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.234 mW/g**

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

**Towards Ground Low/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.2 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.601 W/kg

**SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.210 mW/g**

Maximum value of SAR (measured) = 0.398 mW/g

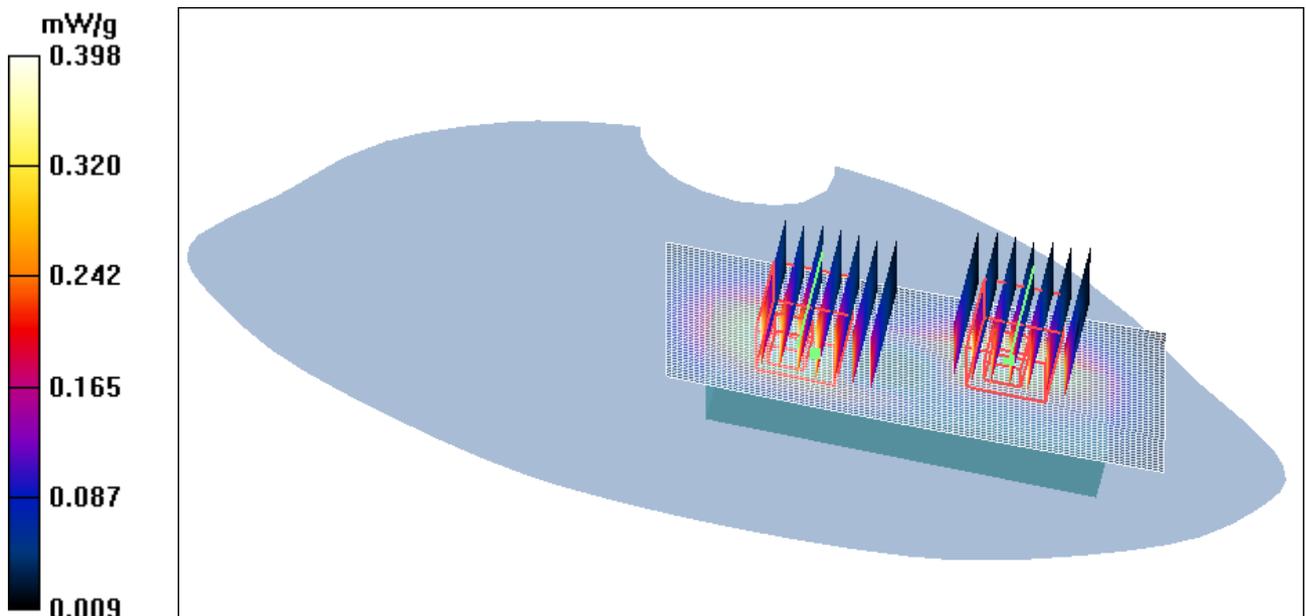


Figure 77 Body, Towards Ground, GSM 1900 GPRS(2up) Channel 512

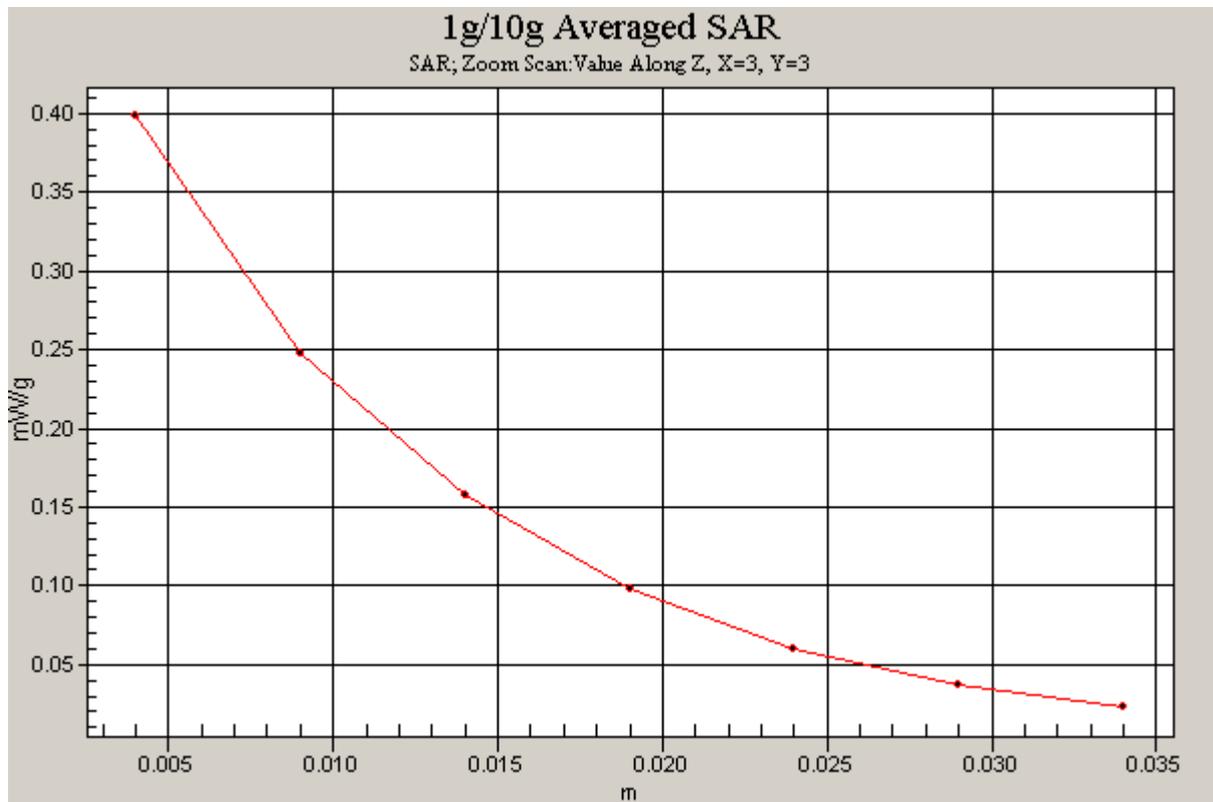
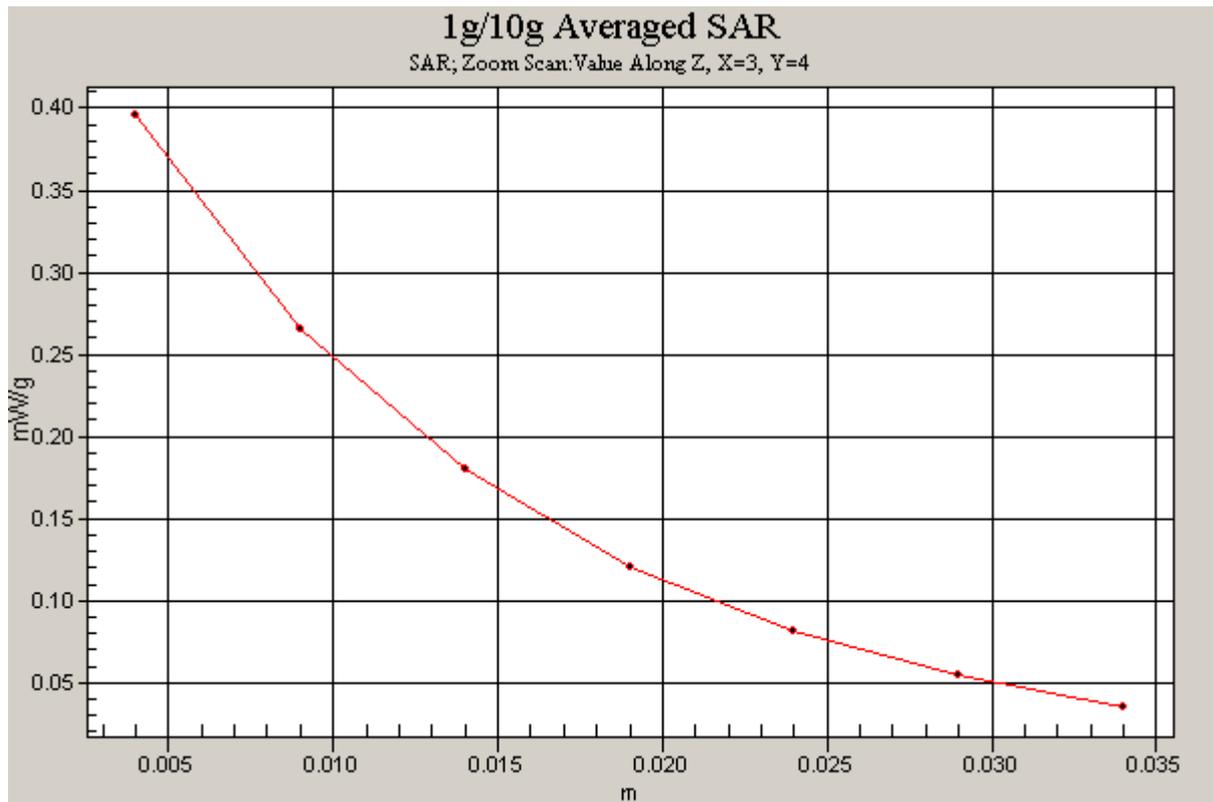


Figure 78 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 GPRS(2up) Channel 512)

### GSM 1900+GPRS(2Up) Towards Phantom Middle

Date/Time: 12/13/2009 3:41:40 PM

Communication System: PCS 1900+GPRS(2Up); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Phantom Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.342 mW/g

**Towards Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.76 V/m; Power Drift = -0.178 dB

Peak SAR (extrapolated) = 0.667 W/kg

**SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.175 mW/g**

Maximum value of SAR (measured) = 0.327 mW/g

**Towards Phantom Middle/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.76 V/m; Power Drift = -0.178 dB

Peak SAR (extrapolated) = 0.438 W/kg

**SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.169 mW/g**

Maximum value of SAR (measured) = 0.290 mW/g

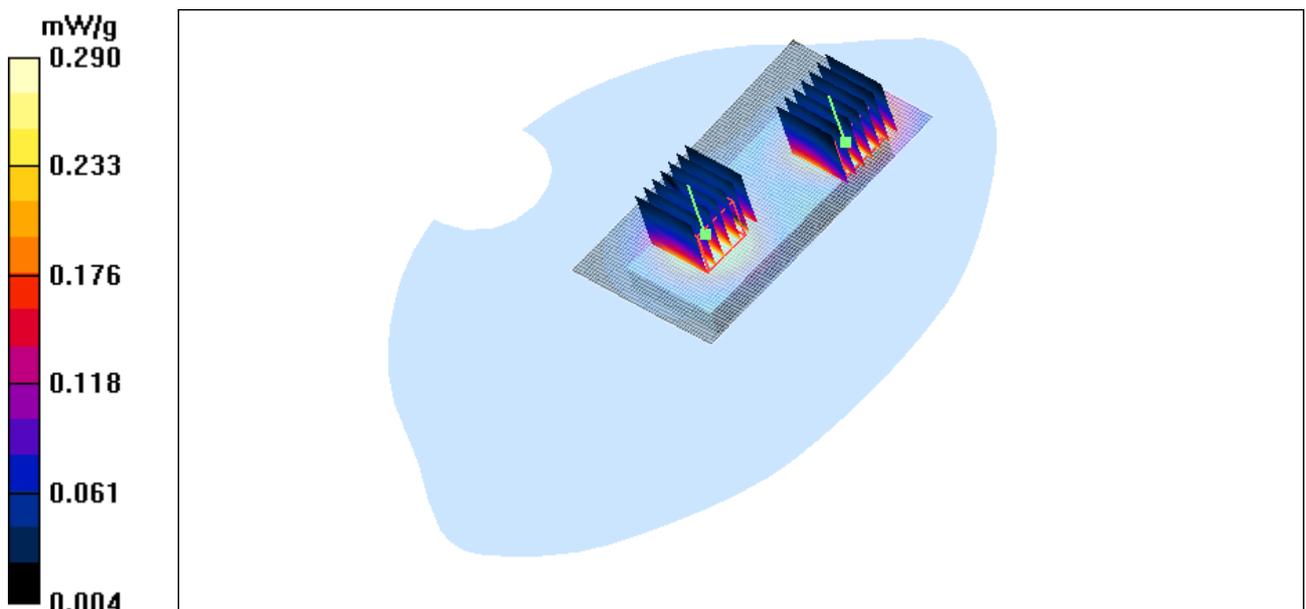


Figure 79 Body, Towards Phantom, GSM 1900 GPRS(2up) Channel 661

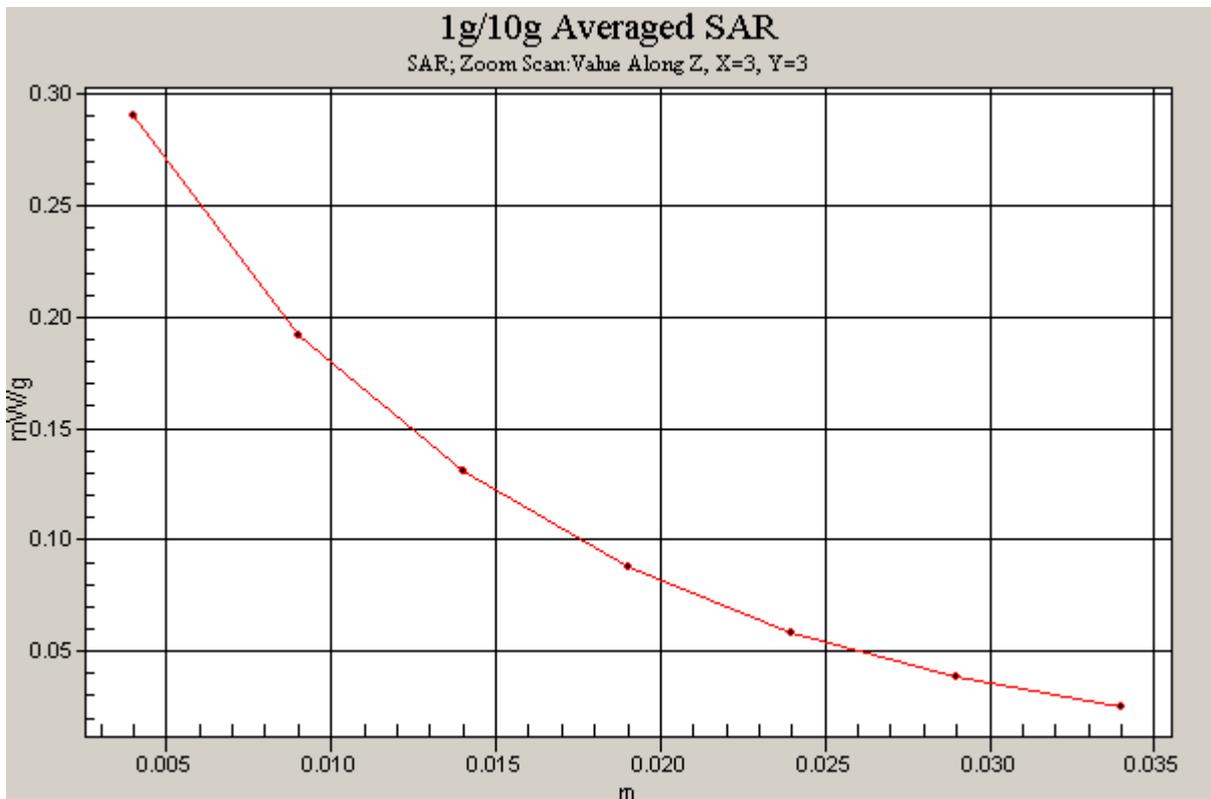
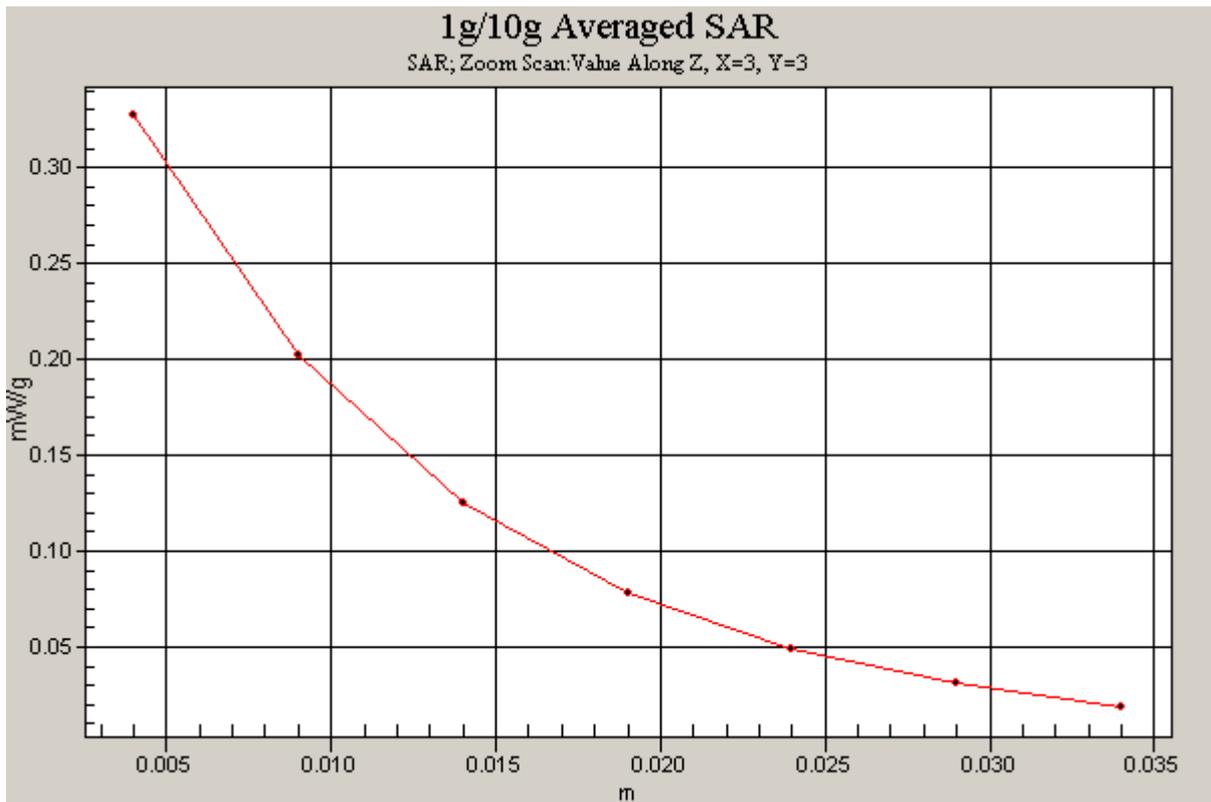


Figure 80 Z-Scan at power reference point (Body, Towards Phantom, GSM 1900 GPRS(2up) Channel 661)

### GSM 1900+EGPRS(2Up) Towards Ground Low

Date/Time: 12/13/2009 6:38:55 PM

Communication System: PCS 1900+EGPRS(2Up); Frequency: 1850.2 MHz;Duty Cycle: 1:4.15

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Ground Low/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.438 mW/g

**Towards Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.590 W/kg

**SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.247 mW/g**

Maximum value of SAR (measured) = 0.419 mW/g

**Towards Ground Low/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.615 W/kg

**SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.211 mW/g**

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

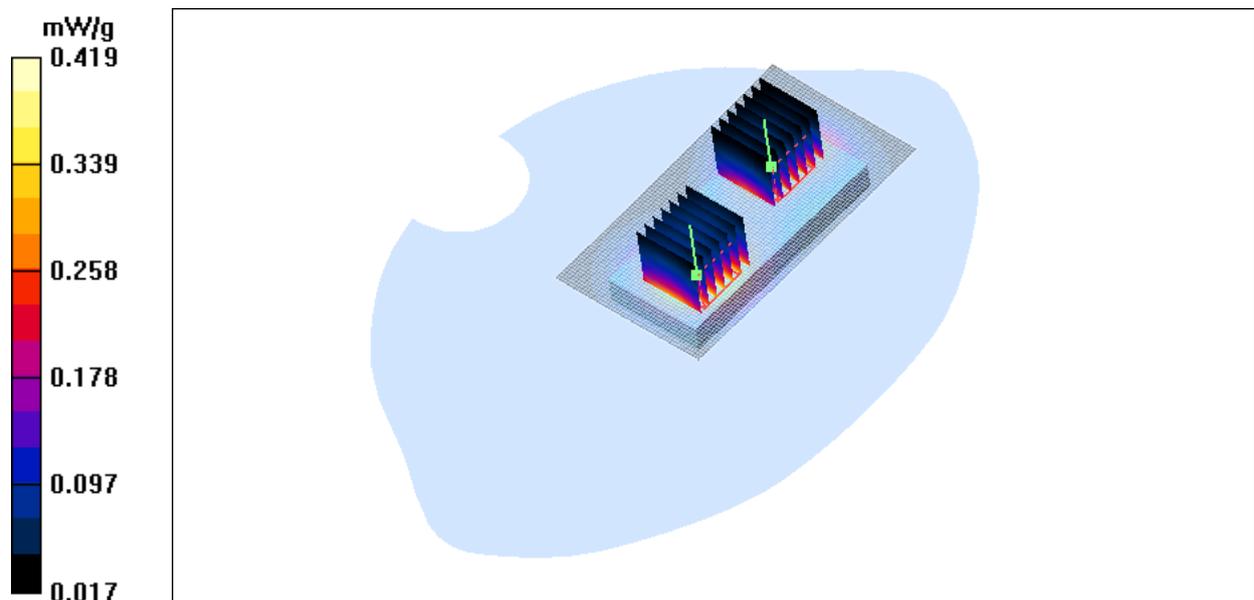


Figure 81 Body, Towards Ground, GSM 1900 EGPRS(2up) Channel 512

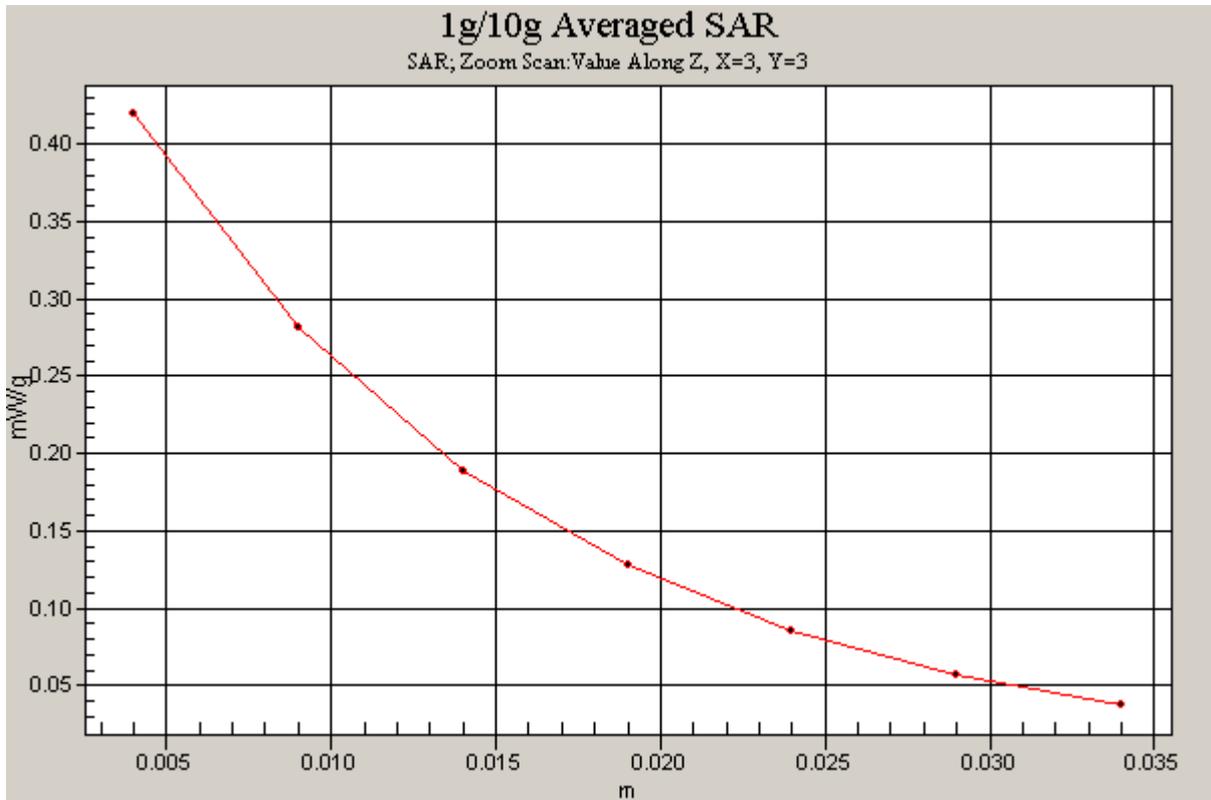
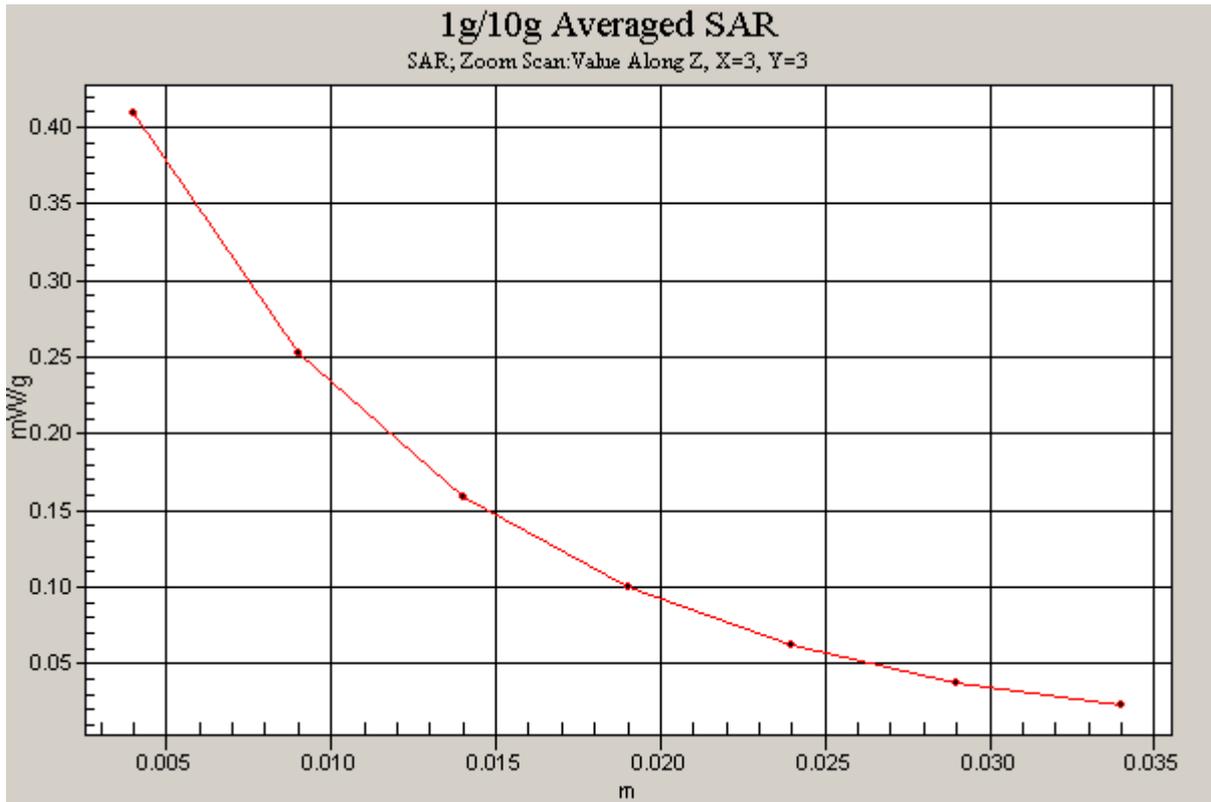


Figure 82 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 EGPRS(2up) Channel 512)

### WCDMA Band II Left Cheek High

Date/Time: 12/11/2009 5:11:22 PM

Communication System: WCDMA Band II; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Cheek High/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.811 mW/g

**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.48 V/m; Power Drift = 0.078 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.684 mW/g; SAR(10 g) = 0.421 mW/g**

Maximum value of SAR (measured) = 0.744 mW/g

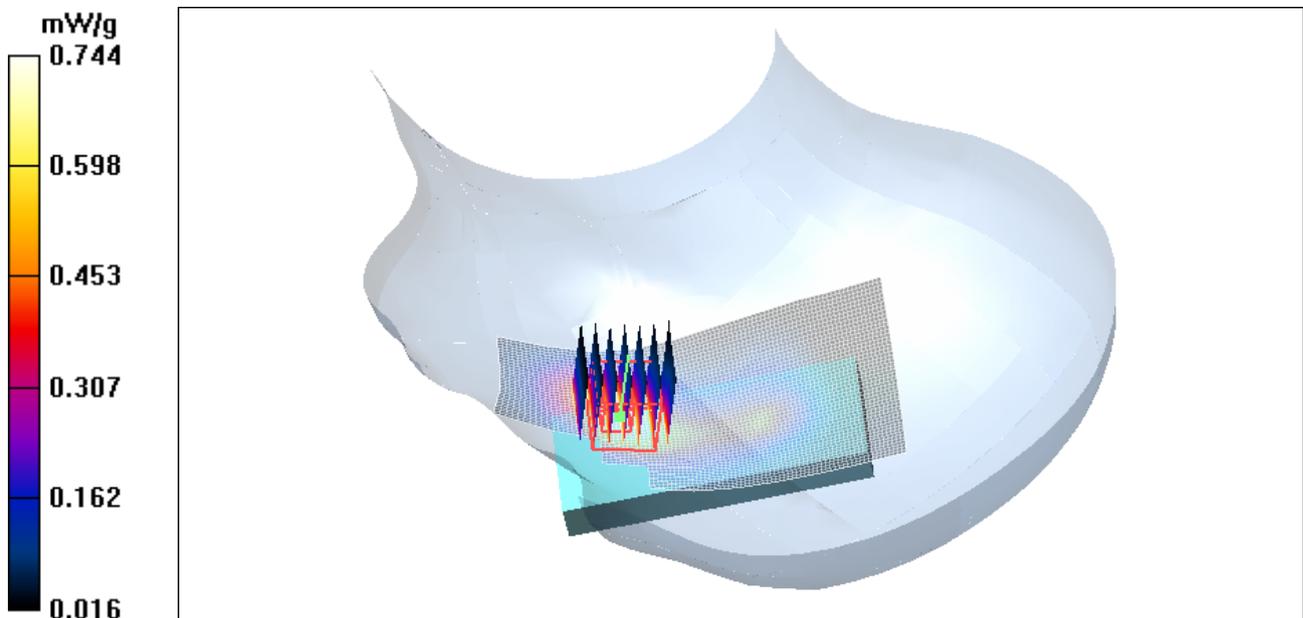


Figure 83 Left Hand Touch Cheek WCDMA Band II Channel 9538

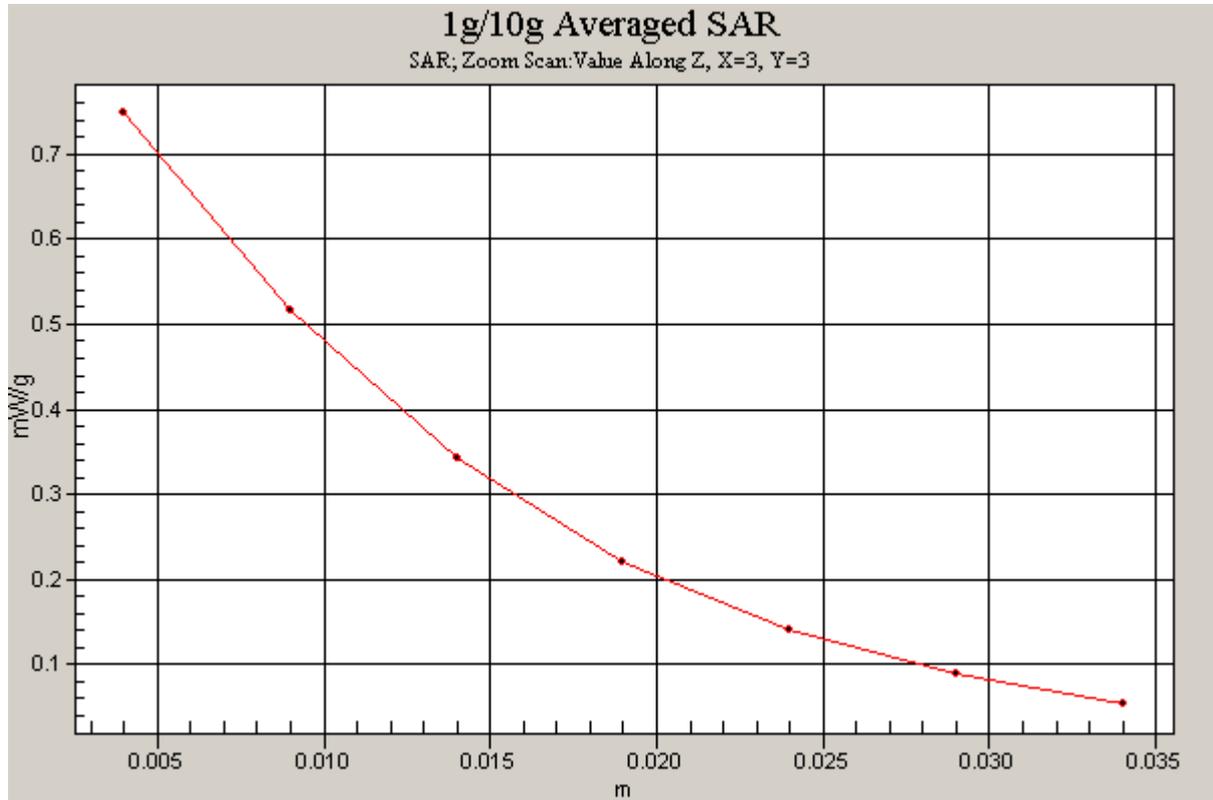


Figure 84 Z-Scan at power reference point (Left Hand Touch Cheek WCDMA Band II Channel 9538)

### WCDMA Band II Left Cheek Middle

Date/Time: 12/11/2009 4:28:48 PM

Communication System: WCDMA Band II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Cheek Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.20 mW/g

**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.39 V/m; Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.652 mW/g**

Maximum value of SAR (measured) = 1.16 mW/g

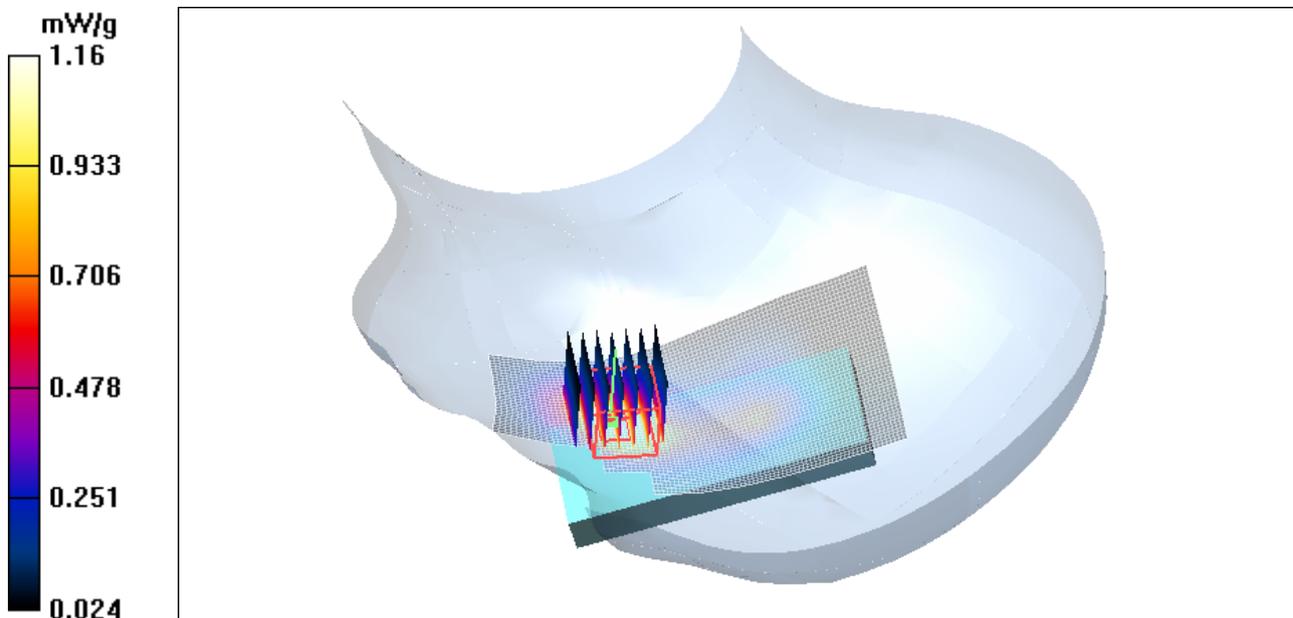


Figure 85 Left Hand Touch Cheek WCDMA Band II Channel 9400

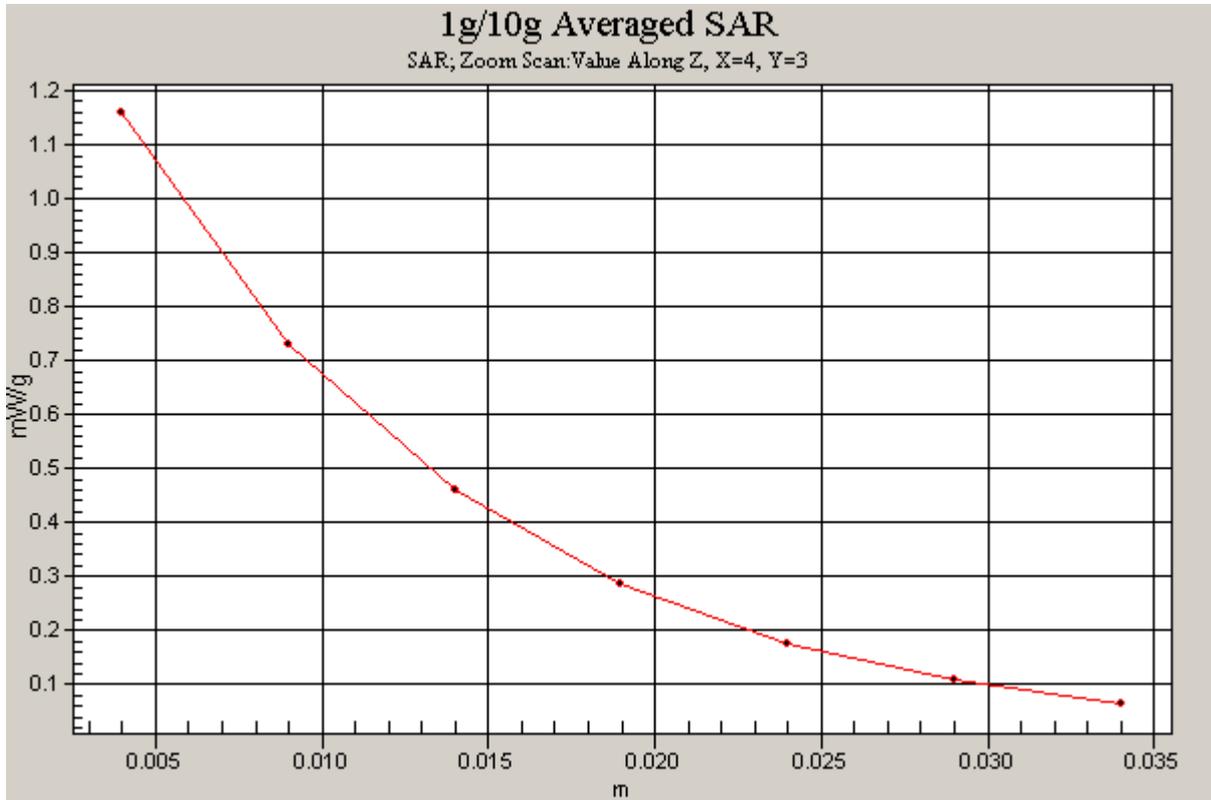


Figure 86 Z-Scan at power reference point (Left Hand Touch Cheek WCDMA Band II Channel 9400)

### WCDMA Band II Left Cheek Low

Date/Time: 12/11/2009 4:50:35 PM

Communication System: WCDMA Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Cheek Low/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 mW/g

**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.38 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.876 mW/g; SAR(10 g) = 0.551 mW/g**

Maximum value of SAR (measured) = 0.962 mW/g

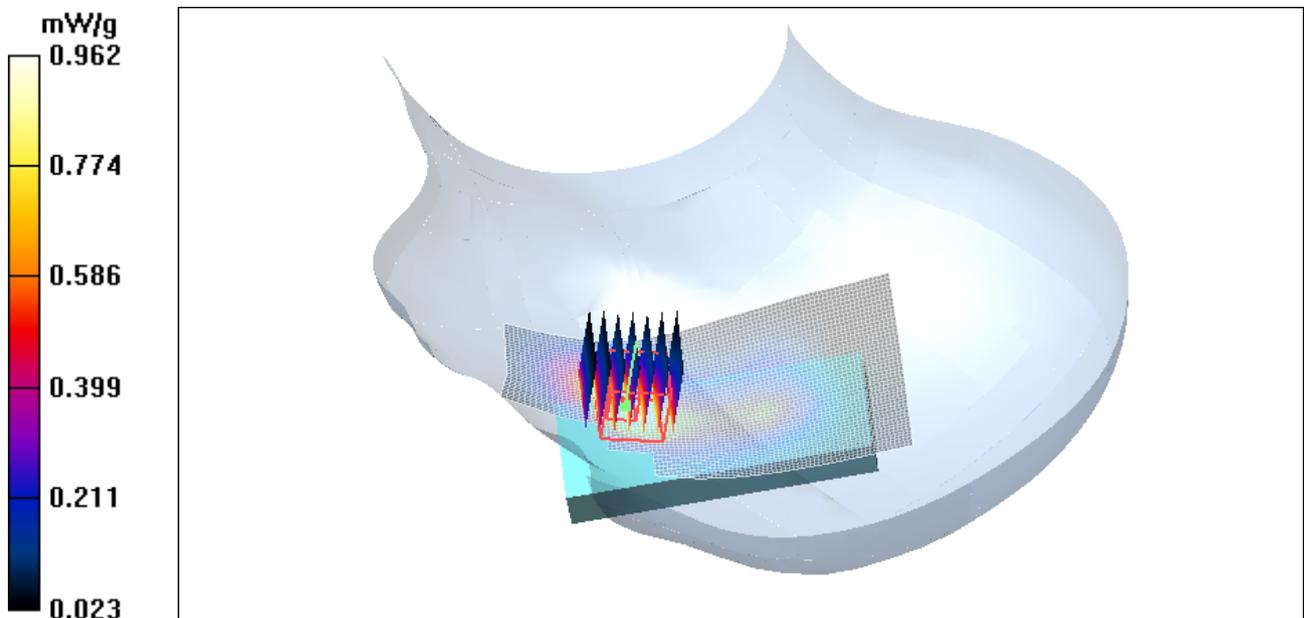


Figure 87 Left Hand Touch Cheek WCDMA Band II Channel 9262

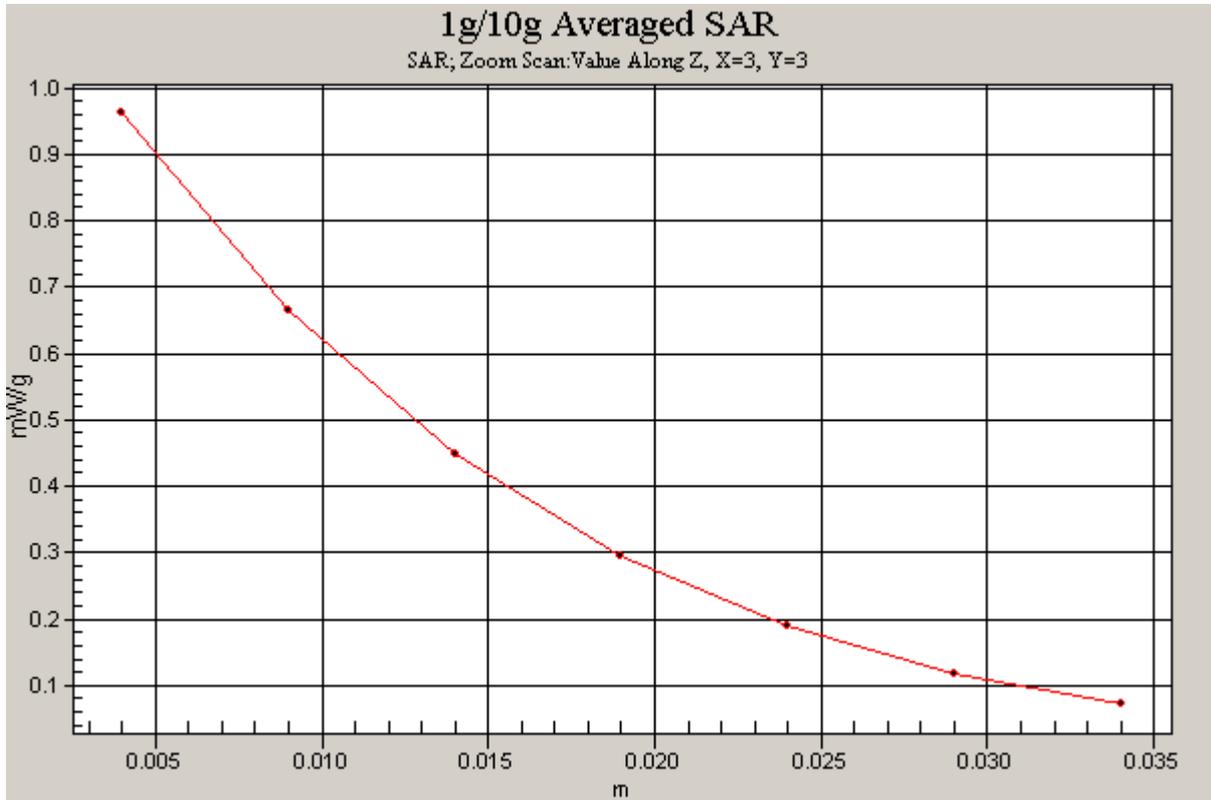


Figure 88 Z-Scan at power reference point (Left Hand Touch Cheek WCDMA Band II Channel 9262)

### WCDMA Band II Left Tilt Middle

Date/Time: 12/11/2009 5:39:49 PM

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.719 mW/g

**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.395 mW/g**

Maximum value of SAR (measured) = 0.734 mW/g

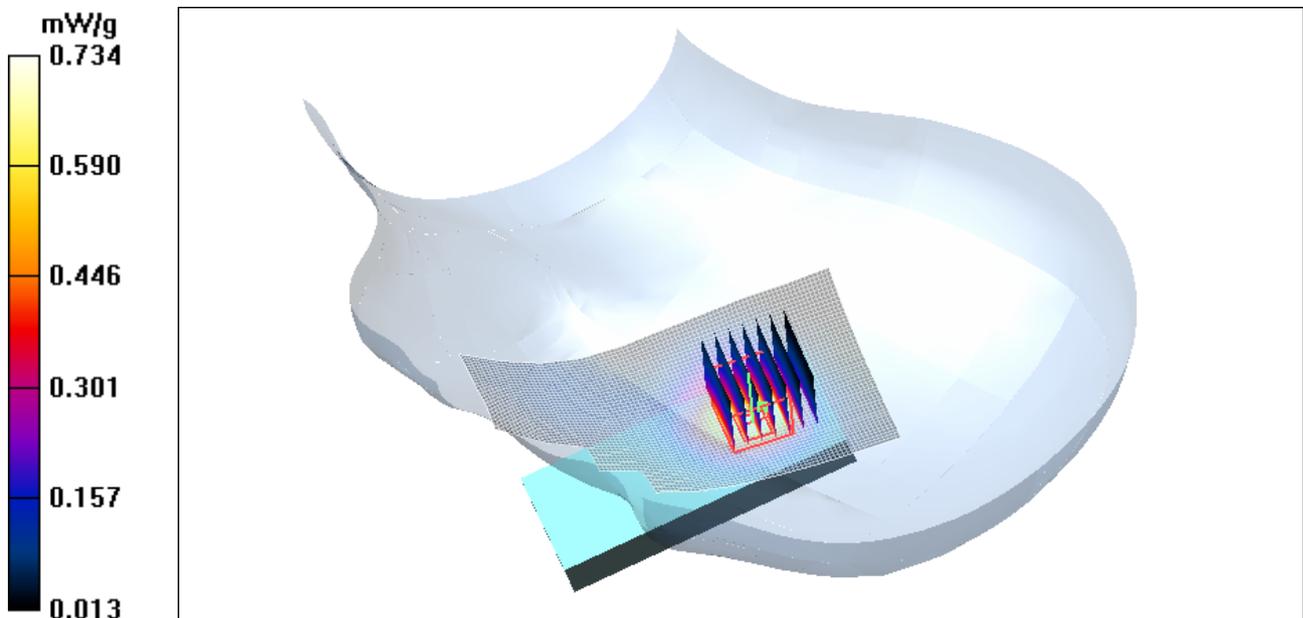


Figure 89 Left Hand Tilt 15° WCDMA Band II Channel 9400

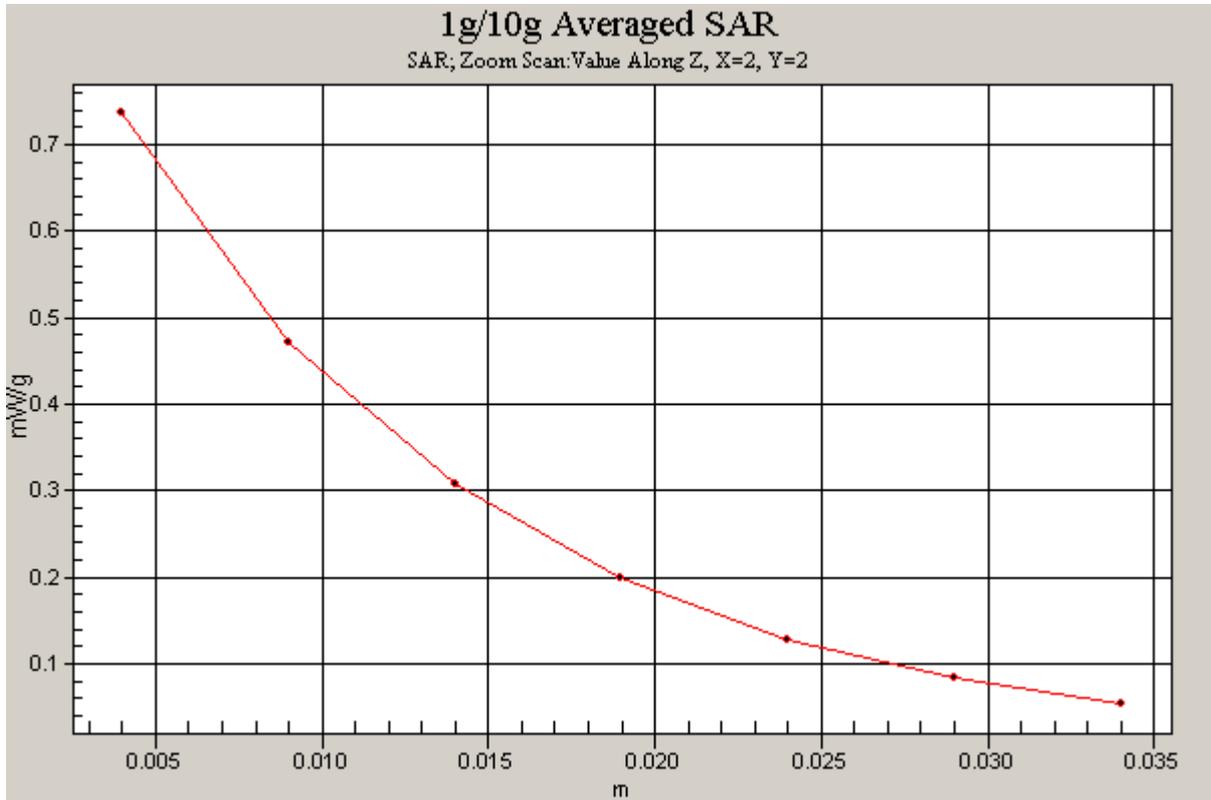


Figure 90 Z-Scan at power reference point (Left Hand Tilt 15° WCDMA Band II Channel 9400)

### WCDMA Band II Right Cheek High

Date/Time: 12/11/2009 3:24:53 PM

Communication System: WCDMA Band II; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Cheek High/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.05 mW/g

**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.1 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.519 mW/g**

Maximum value of SAR (measured) = 0.939 mW/g

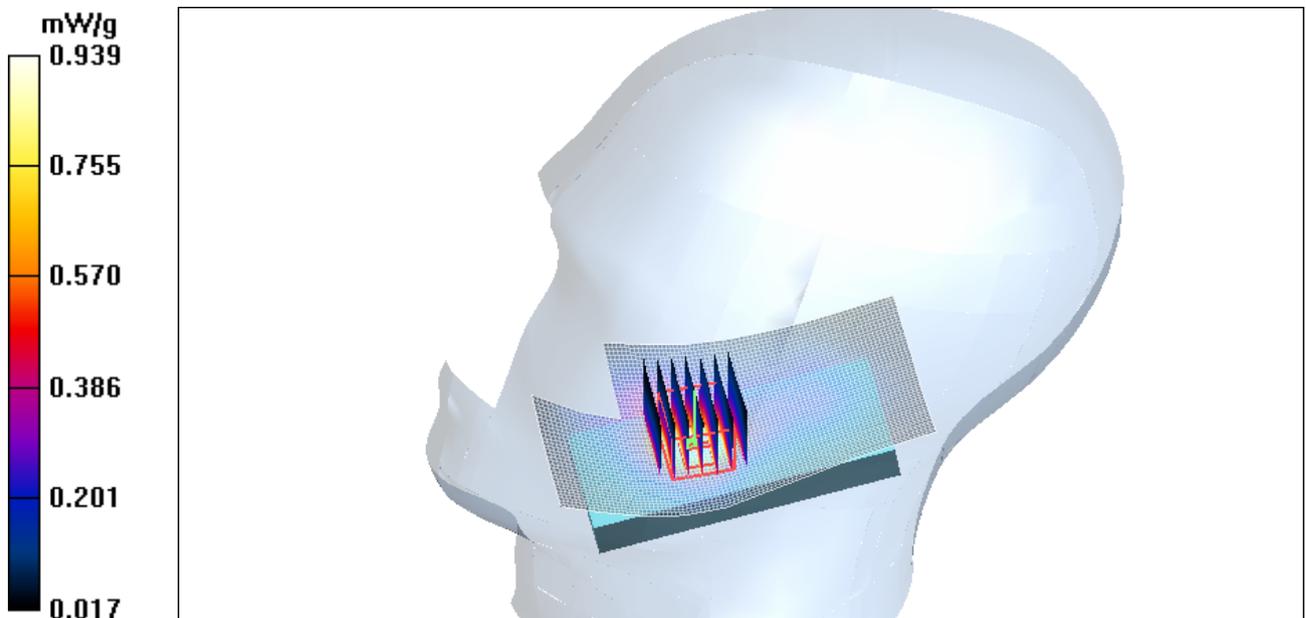


Figure 91 Right Hand Touch Cheek WCDMA Band II Channel 9538

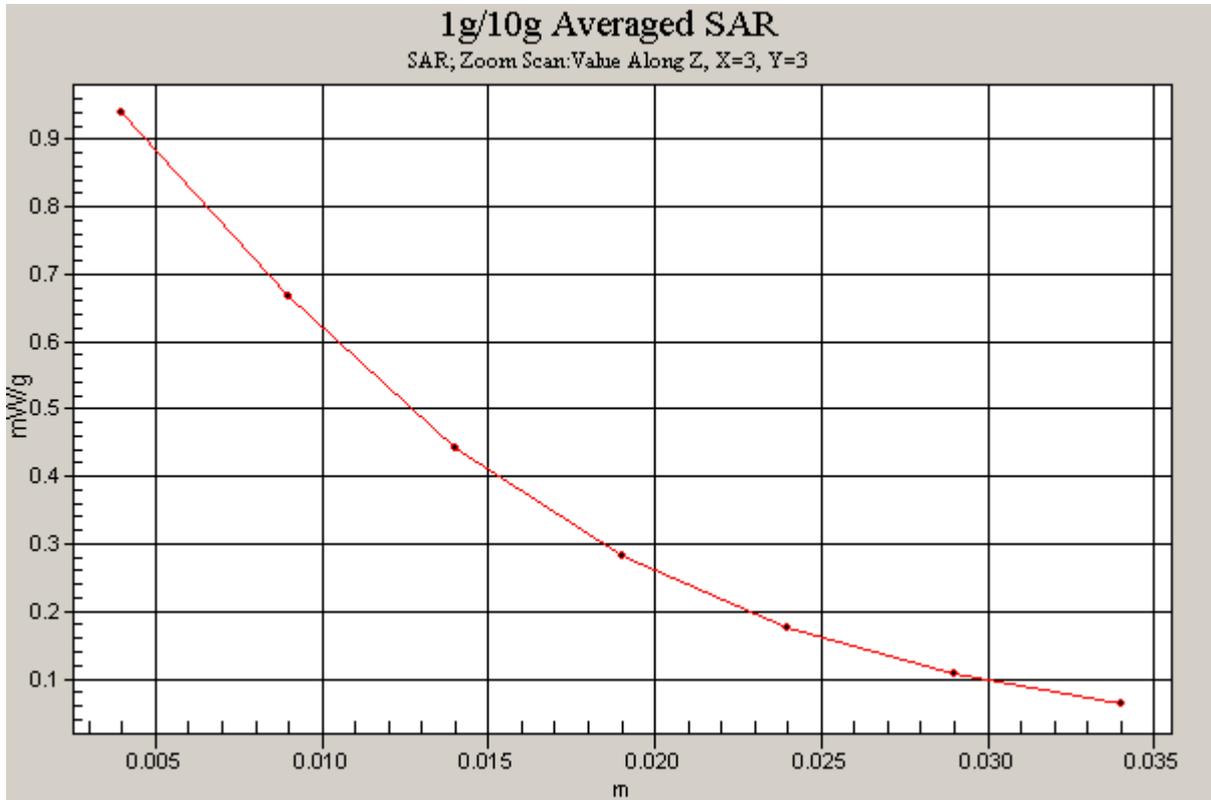


Figure 92 Z-Scan at power reference point (Right Hand Touch Cheek WCDMA Band II Channel 9538)

### WCDMA Band II Right Cheek Middle

Date/Time: 12/11/2009 2:34:31 PM

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Cheek Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.39 mW/g

**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 1.76 W/kg

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.724 mW/g**

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

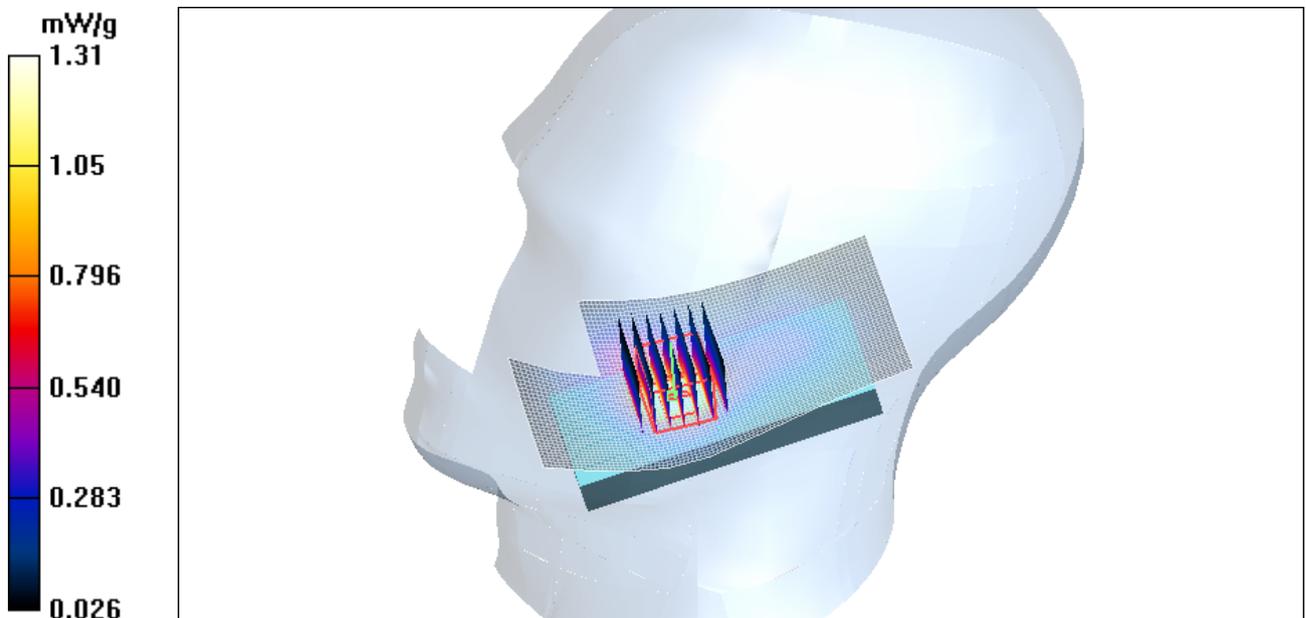


Figure 93 Right Hand Touch Cheek WCDMA Band II Channel 9400

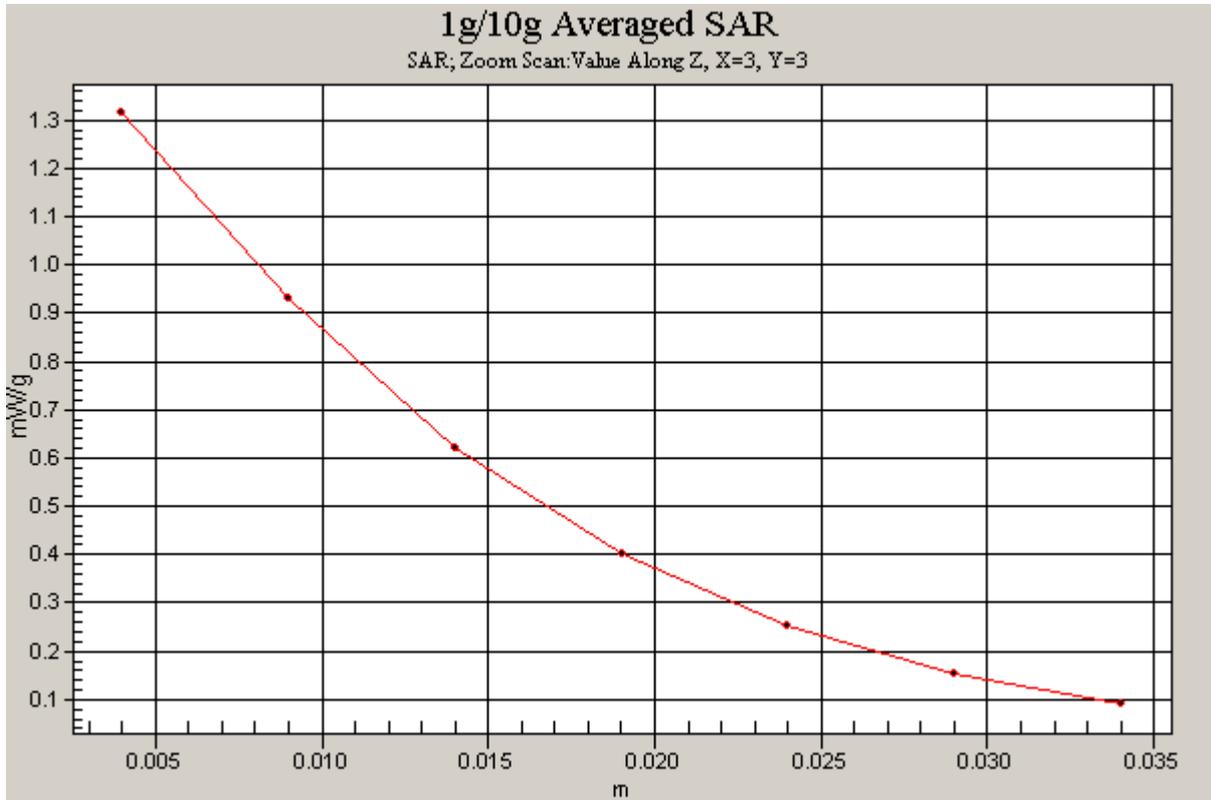


Figure 94 Z-Scan at power reference point (Right Hand Touch Cheek WCDMA Band II Channel 9400)

### WCDMA Band II Right Cheek Low

Date/Time: 12/11/2009 3:06:08 PM

Communication System: WCDMA Band II; Frequency: 1852.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Cheek Low/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.32 mW/g

**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.0 V/m; Power Drift = 0.134 dB

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.650 mW/g**

Maximum value of SAR (measured) = 1.20 mW/g

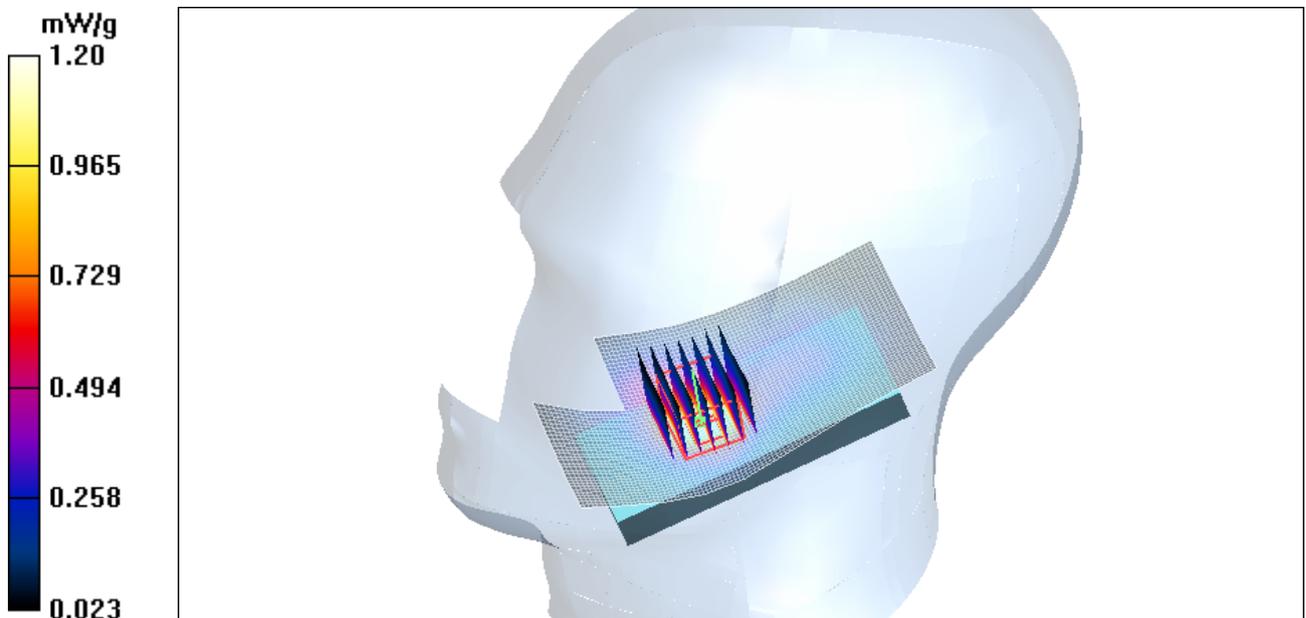


Figure 95 Right Hand Touch Cheek WCDMA Band II Channel 9262

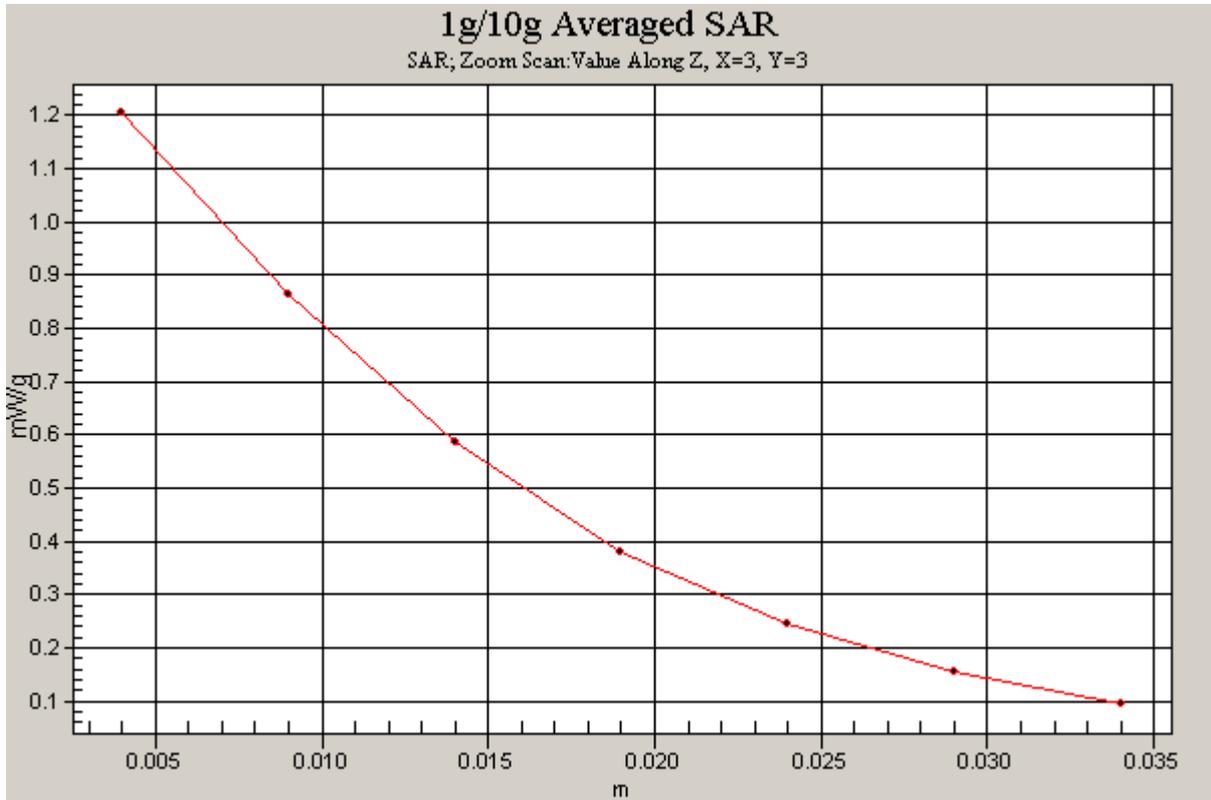


Figure 96 Z-Scan at power reference point (Right Hand Touch Cheek WCDMA Band II Channel 9262)

### WCDMA Band II Right Tilt Middle

Date/Time: 12/11/2009 4:04:57 PM

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.53, 7.53, 7.53); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.625 mW/g

**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.6 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 0.817 W/kg

**SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.349 mW/g**

Maximum value of SAR (measured) = 0.601 mW/g

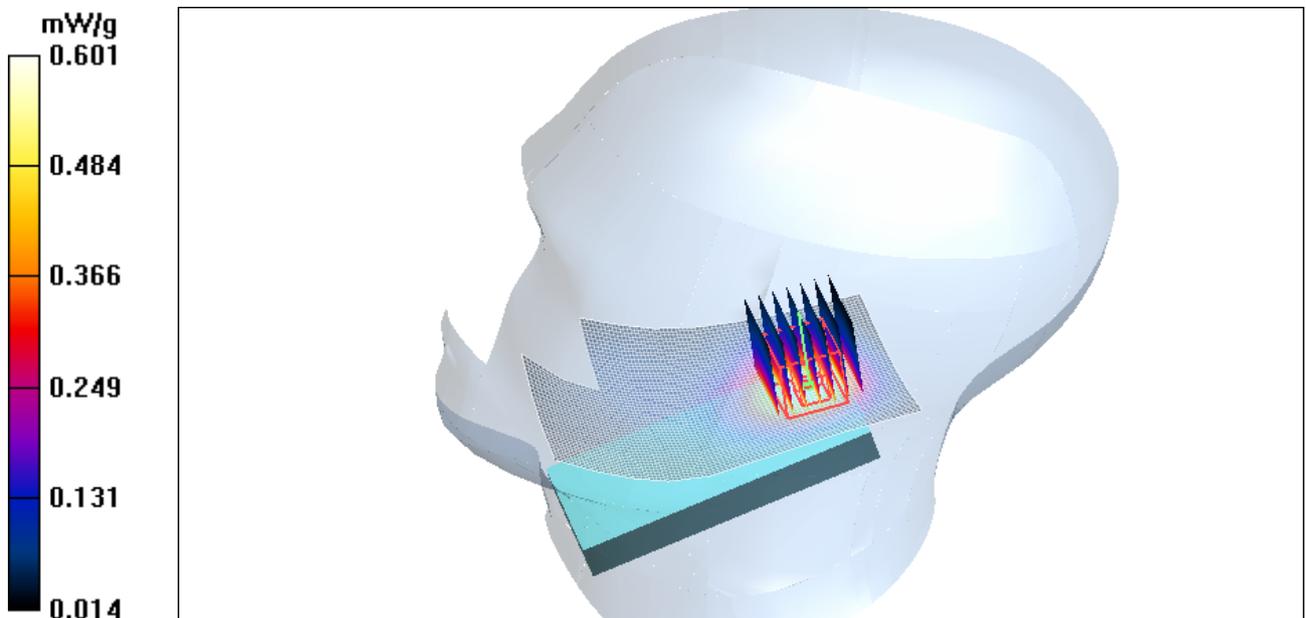


Figure 97 Right Hand Tilt 15° WCDMA Band II Channel 9400

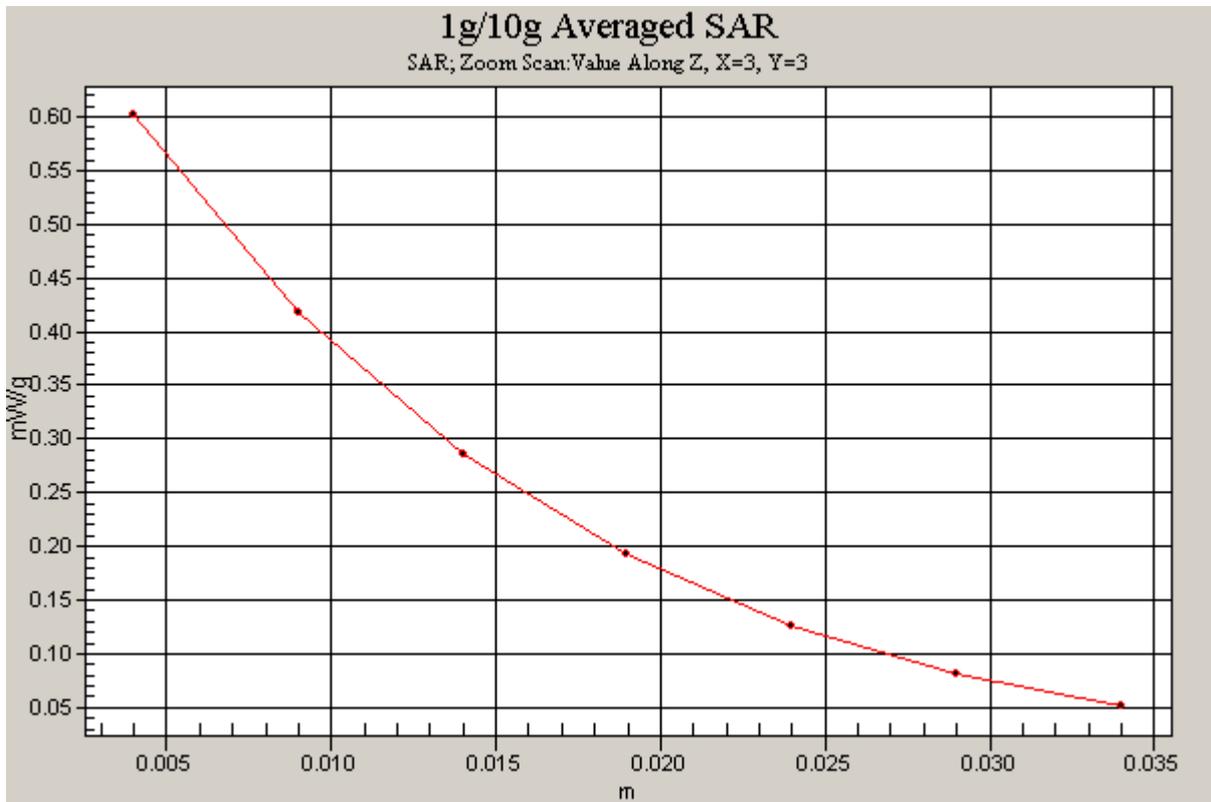


Figure 98 Z-Scan at power reference point (Right Hand Tilt 15° WCDMA Band II Channel 9400)

### WCDMA Band II Towards Ground High

Date/Time: 12/13/2009 7:56:01 PM

Communication System: WCDMA Band II; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Ground High/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.407 mW/g

**Towards Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.619 W/kg

**SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.207 mW/g**

Maximum value of SAR (measured) = 0.402 mW/g

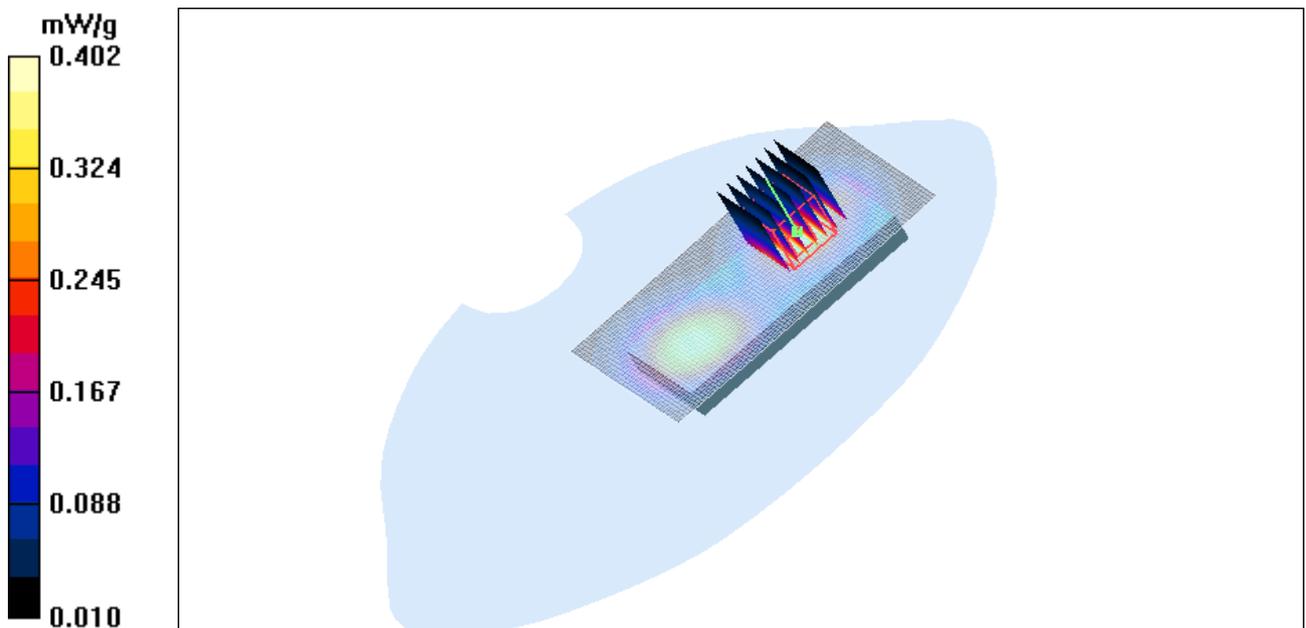


Figure 99 Body, Towards Ground, WCDMA Band II Channel 9538

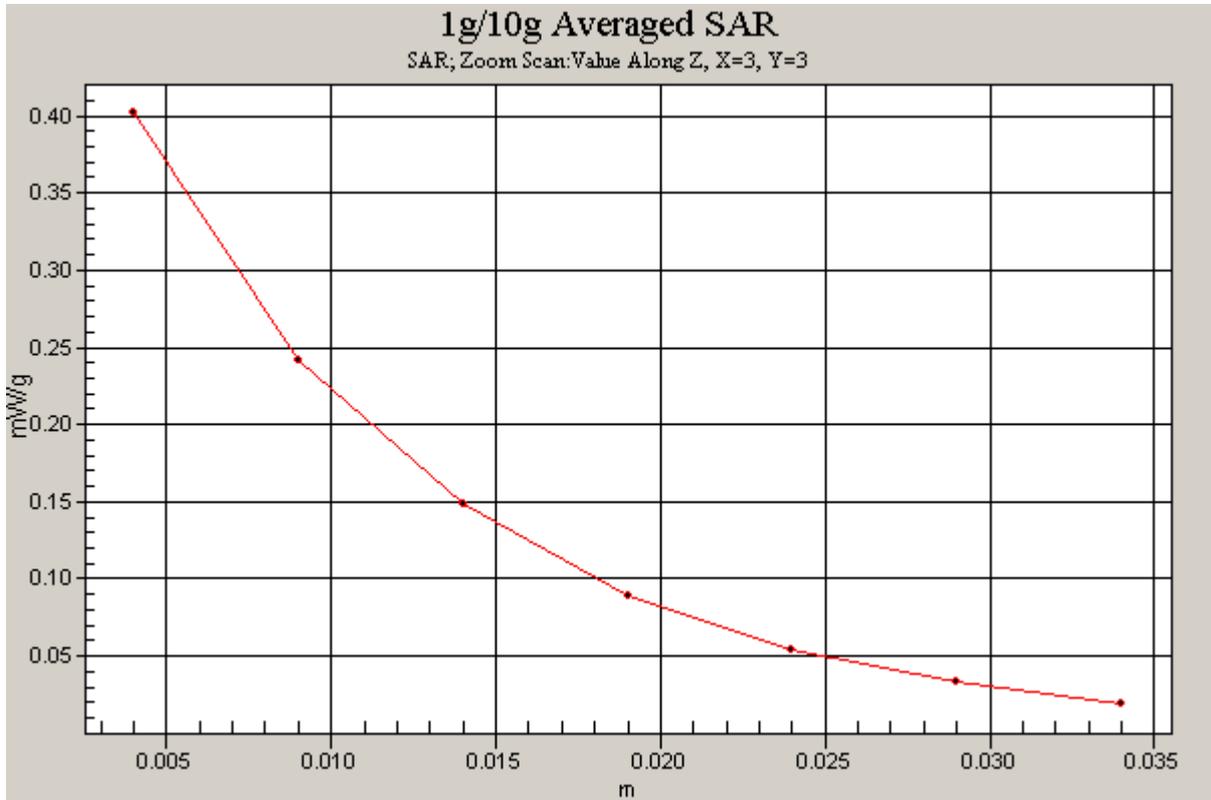


Figure 100 Z-Scan at power reference point (Body, Towards Ground, WCDMA Band II Channel 9538)

### WCDMA Band II Towards Ground Middle

Date/Time: 12/13/2009 7:26:41 PM

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Ground Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.575 mW/g

**Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 0.888 W/kg

**SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.307 mW/g**

Maximum value of SAR (measured) = 0.578 mW/g

**Towards Ground Middle/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 0.780 W/kg

**SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.320 mW/g**

Maximum value of SAR (measured) = 0.547 mW/g

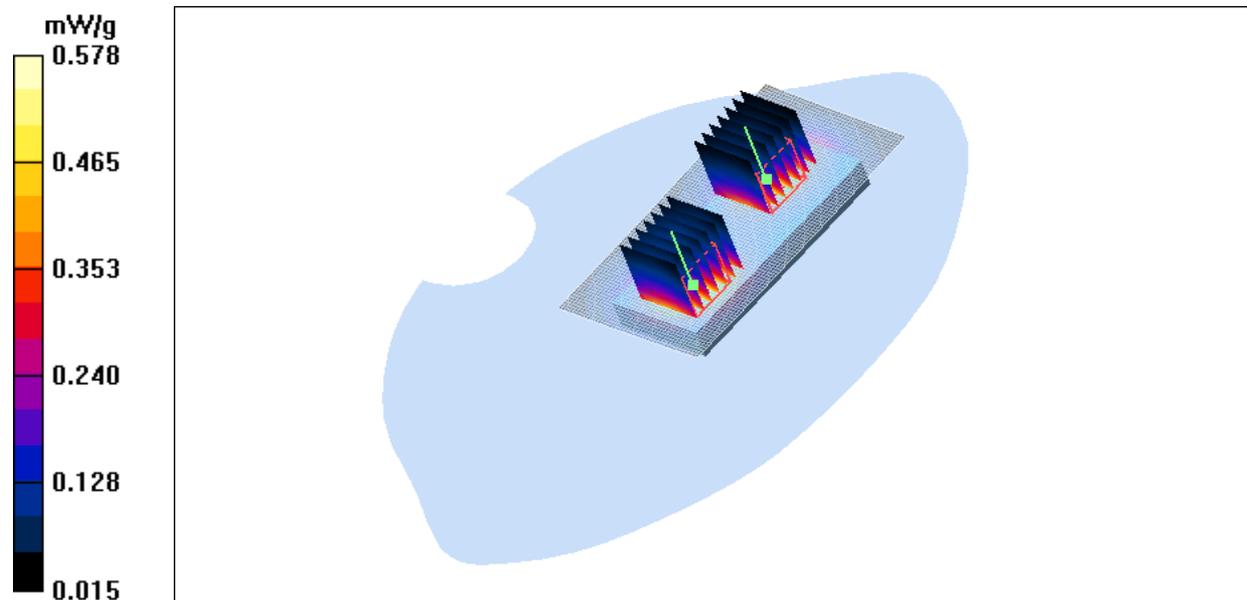


Figure 101 Body, Towards Ground, WCDMA Band II Channel 9400

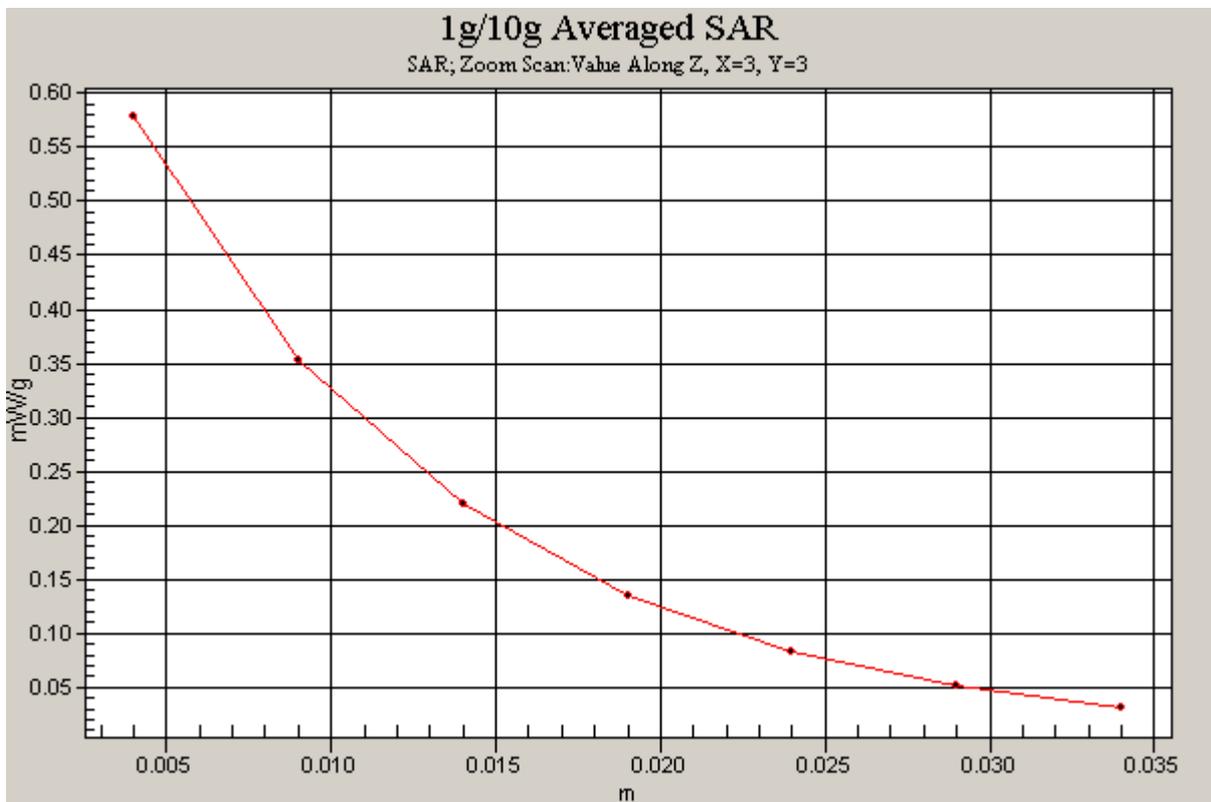
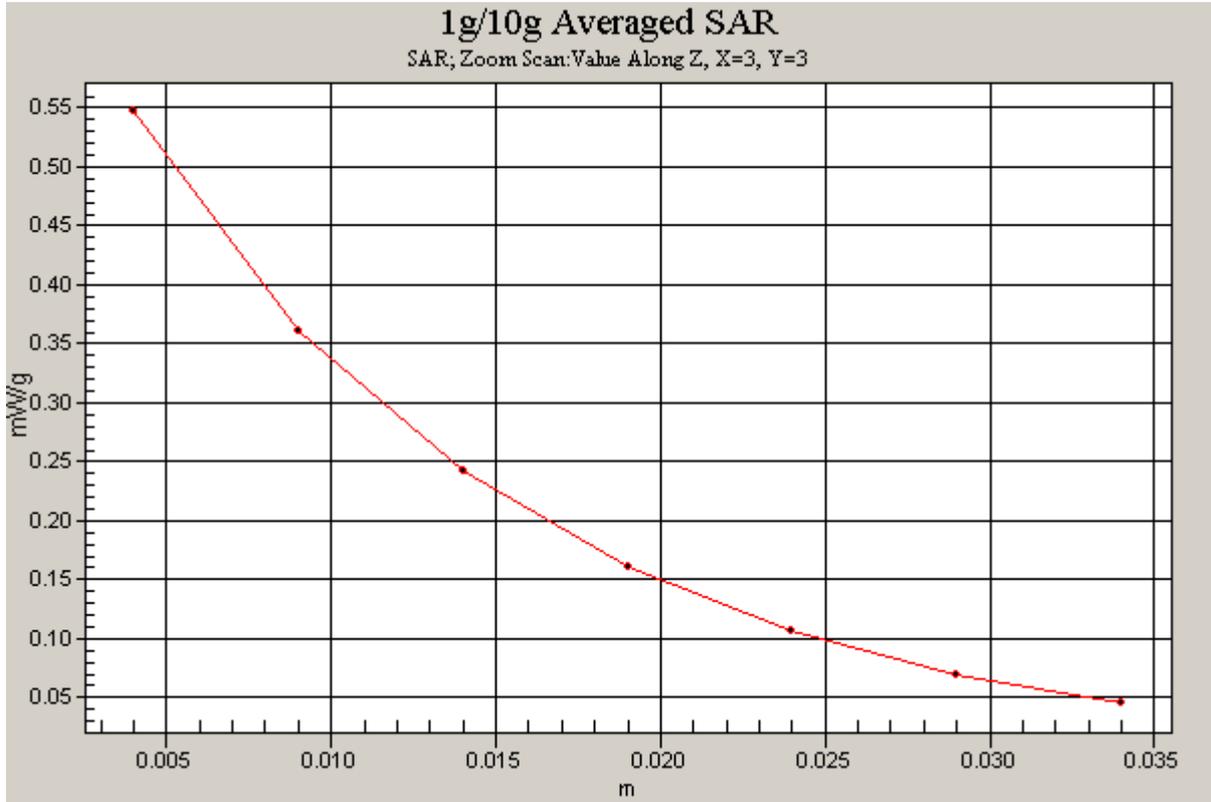


Figure 102 Z-Scan at power reference point (Body, Towards Ground, WCDMA Band II Channel 9400)

### WCDMA Band II Towards Ground Low

Date/Time: 12/13/2009 8:14:12 PM

Communication System: WCDMA Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Ground Low/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.532 mW/g

**Towards Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.769 W/kg

**SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.266 mW/g**

Maximum value of SAR (measured) = 0.503 mW/g

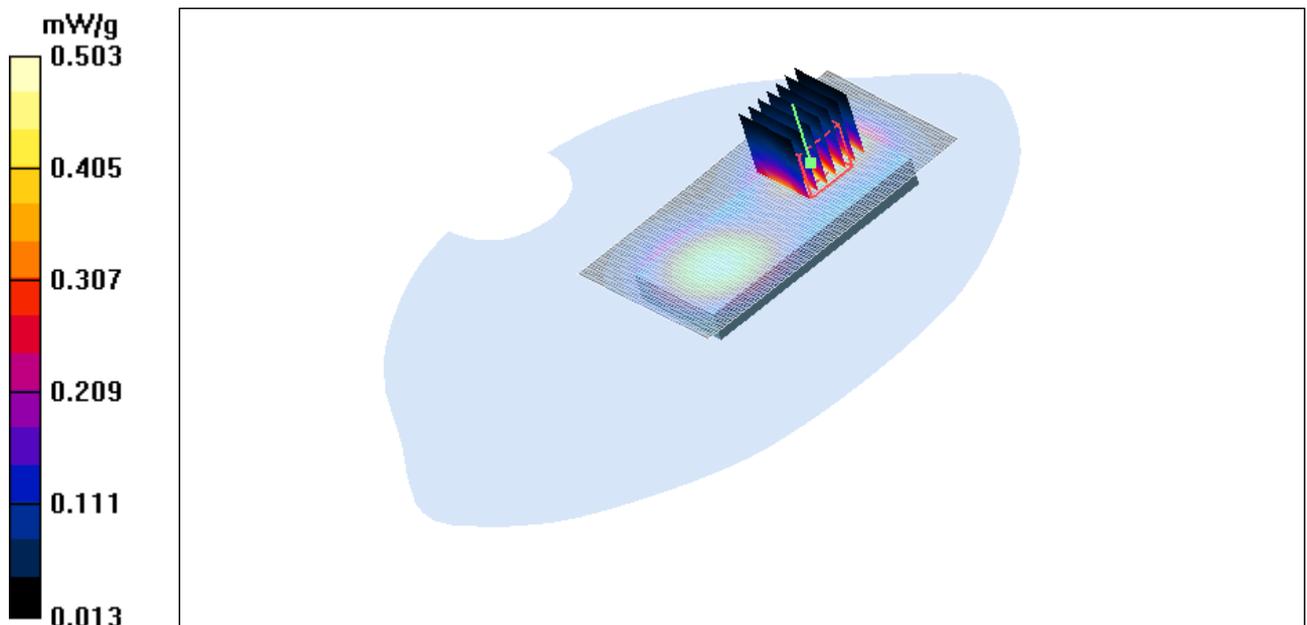


Figure 103 Body, Towards Ground, WCDMA Band II Channel 9262

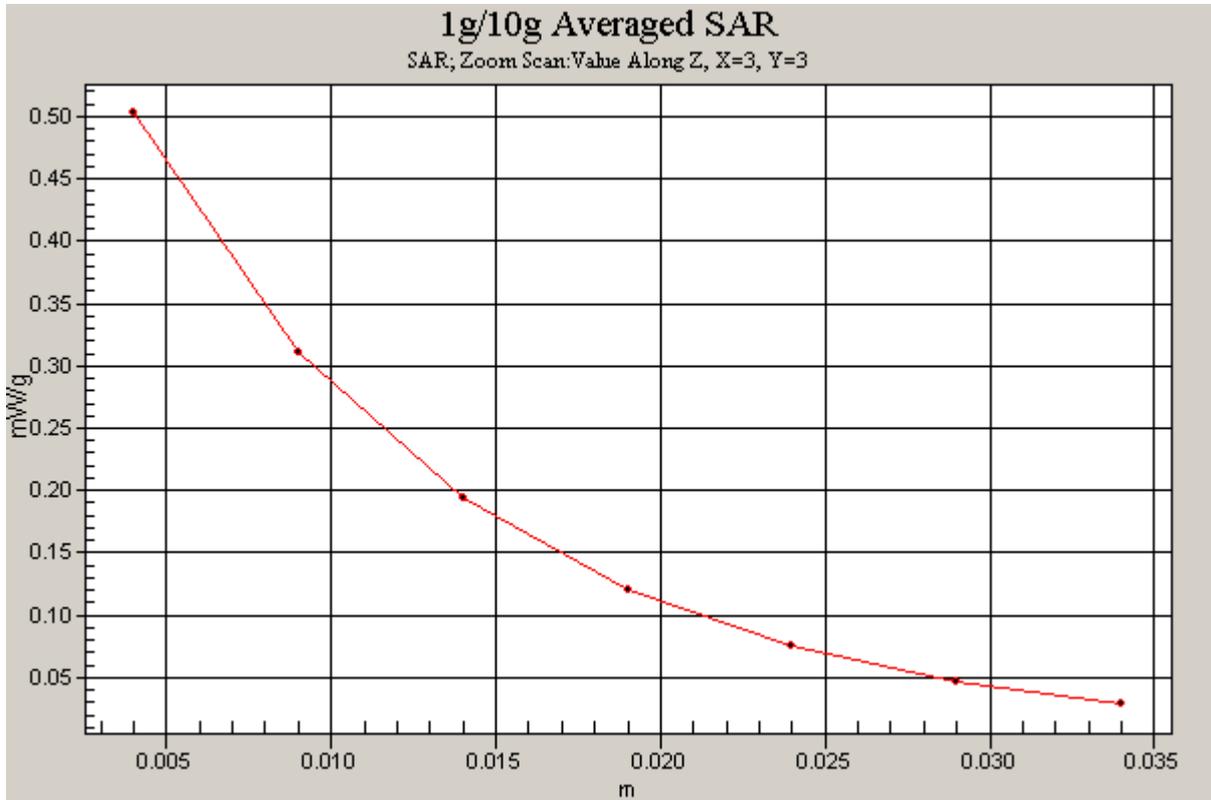


Figure 104 Z-Scan at power reference point (Body, Towards Ground, WCDMA Band II Channel 9262)

### WCDMA Band II Towards Phantom Middle

Date/Time: 12/13/2009 9:10:23 PM

Communication System: WCDMA Band II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature:22.3 °C      Liqid Temperature: 21.5°C

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Phantom Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.404 mW/g

**Towards Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = 0.091 dB

Peak SAR (extrapolated) = 0.592 W/kg

**SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.211 mW/g**

Maximum value of SAR (measured) = 0.390 mW/g

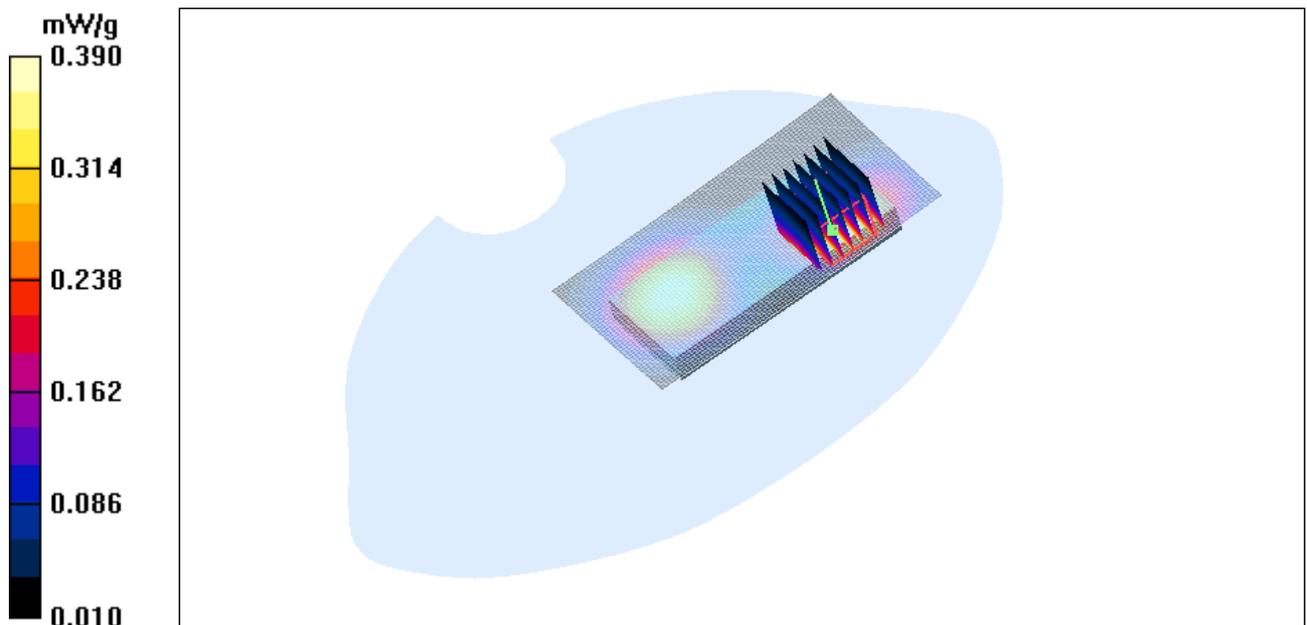


Figure 105 Body, Towards Phantom, WCDMA Band II Channel 9400

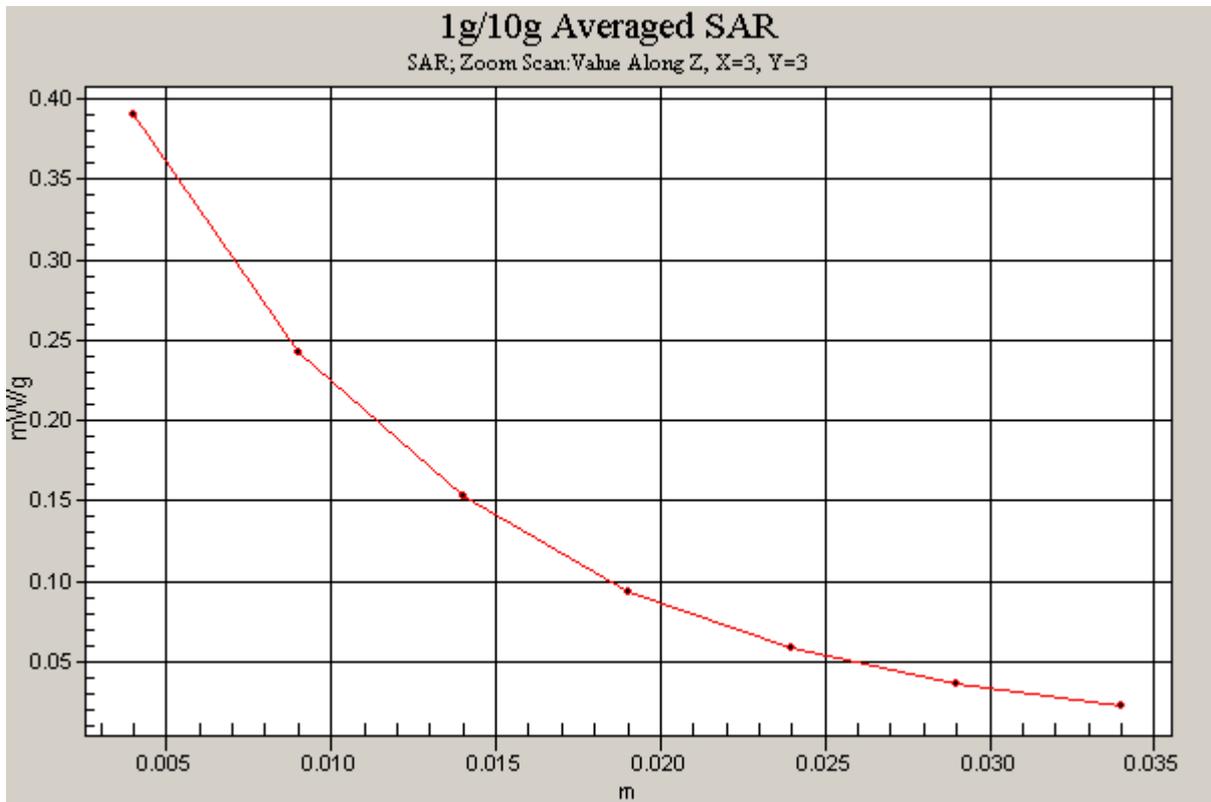


Figure 106 Z-Scan at power reference point (Body, Towards Phantom, WCDMA Band II Channel 9400)

### WCDMA Band II Towards Ground with Earphone Middle

Date/Time: 12/13/2009 8:47:38 PM

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(7.62, 7.62, 7.62); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM000 T01 ; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Towards Ground Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.463 mW/g

**Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.0 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 0.698 W/kg

**SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.236 mW/g**

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

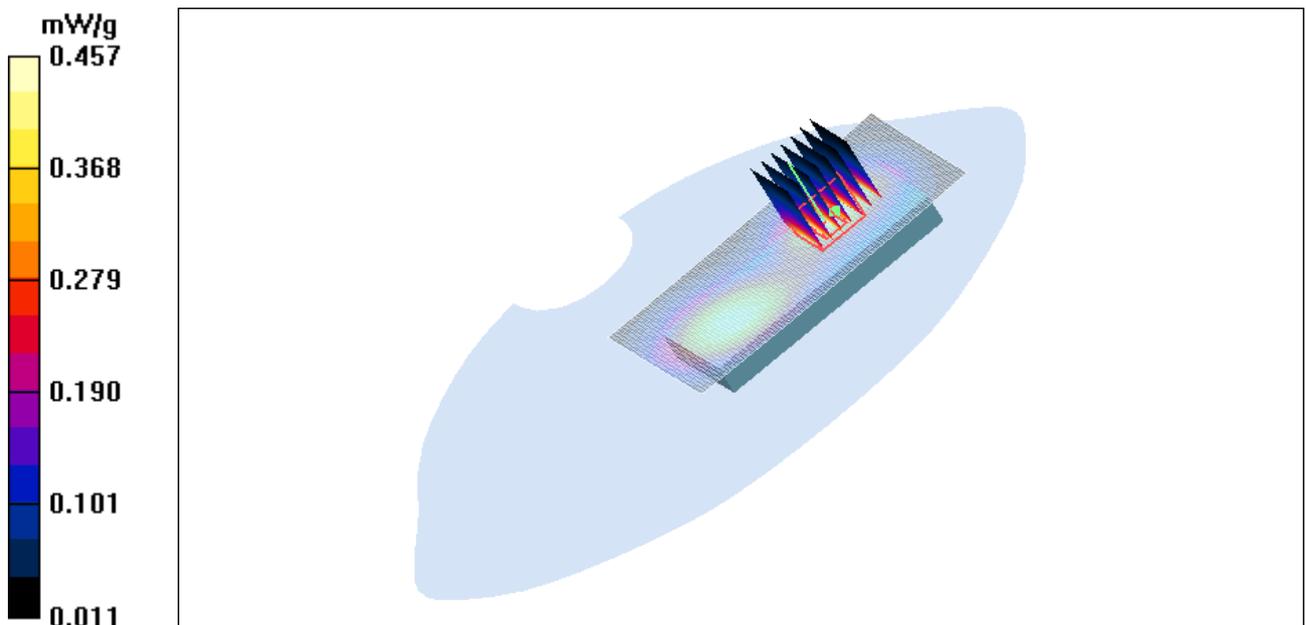


Figure 107 Body with Earphone, Towards Ground, WCDMA Band II Channel 9400

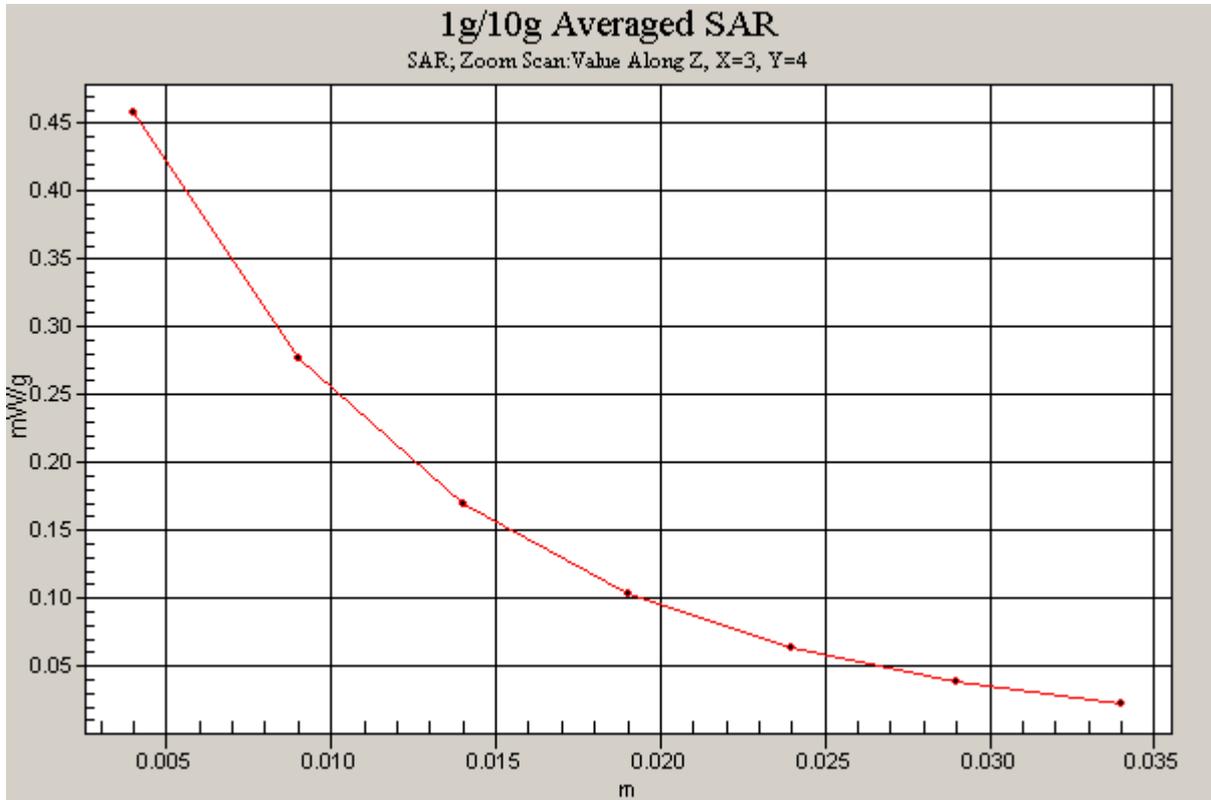


Figure 108 Z-Scan at power reference point (Body with Earphone, Towards Ground, WCDMA Band II Channel 9400)

### WCDMA Band V Left Cheek High

Date/Time: 12/11/2009 2:31:20 AM

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

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.896$  mho/m;  $\epsilon_r = 41.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(9.2, 9.2, 9.2); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Cheek High/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.810 mW/g

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

Reference Value = 5.98 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 0.998 W/kg

**SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.499 mW/g**

Maximum value of SAR (measured) = 0.772 mW/g

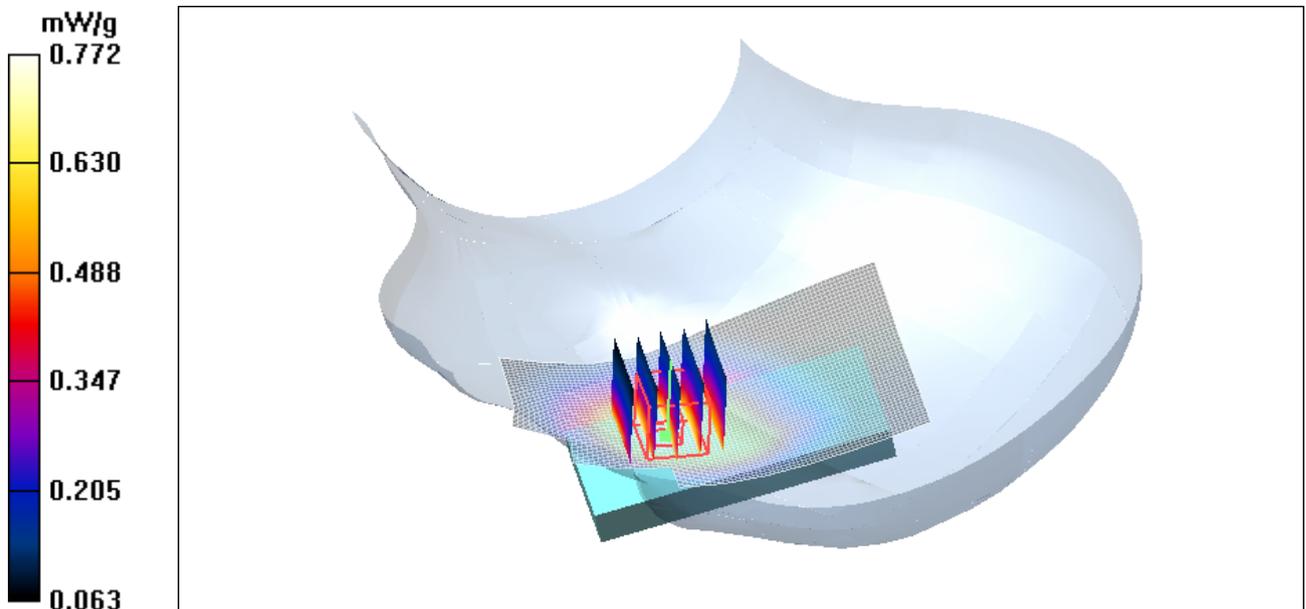


Figure 109 Left Hand Touch Cheek WCDMA Band V Channel 4233

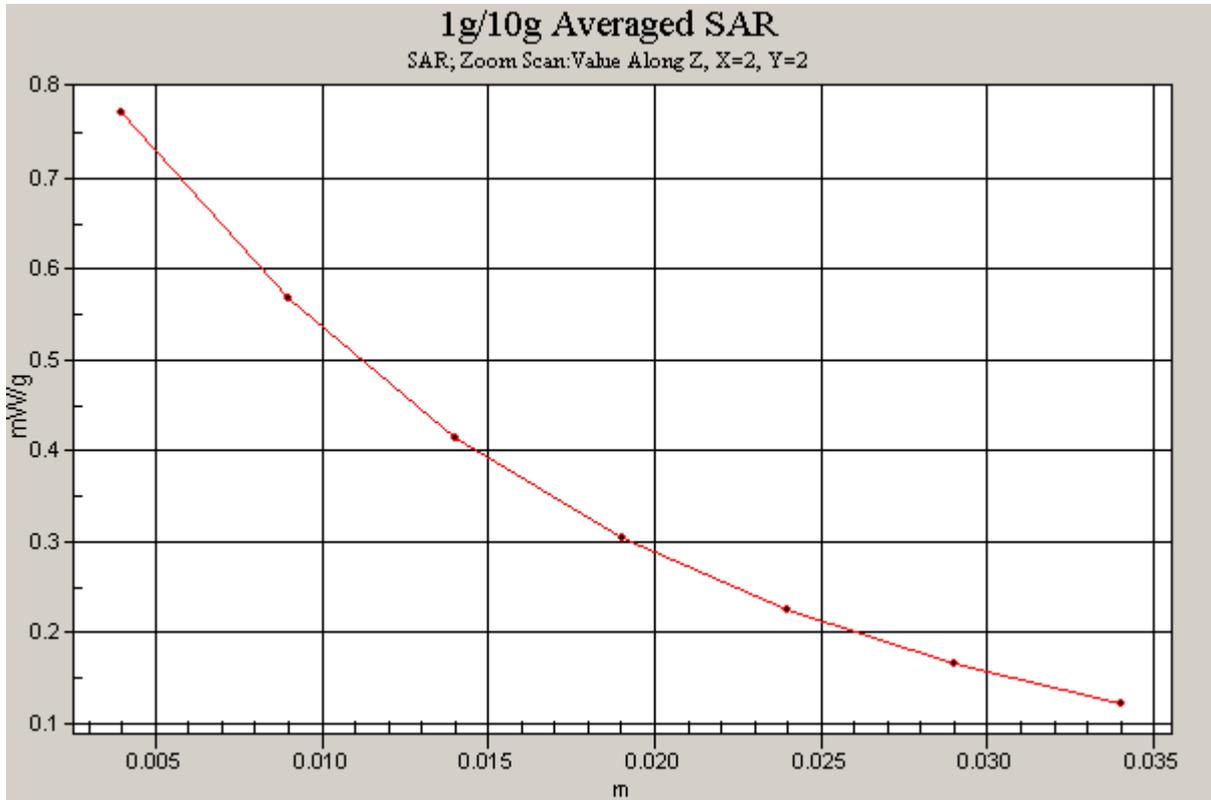


Figure 110 Z-Scan at power reference point (Left Hand Touch Cheek WCDMA Band V Channel 4233)

### WCDMA Band V Left Cheek Middle

Date/Time: 12/11/2009 12:57:22 AM

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.886$  mho/m;  $\epsilon_r = 41.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(9.2, 9.2, 9.2); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Cheek Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.846 mW/g

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

Reference Value = 9.13 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.820 mW/g; SAR(10 g) = 0.558 mW/g**

Maximum value of SAR (measured) = 0.874 mW/g

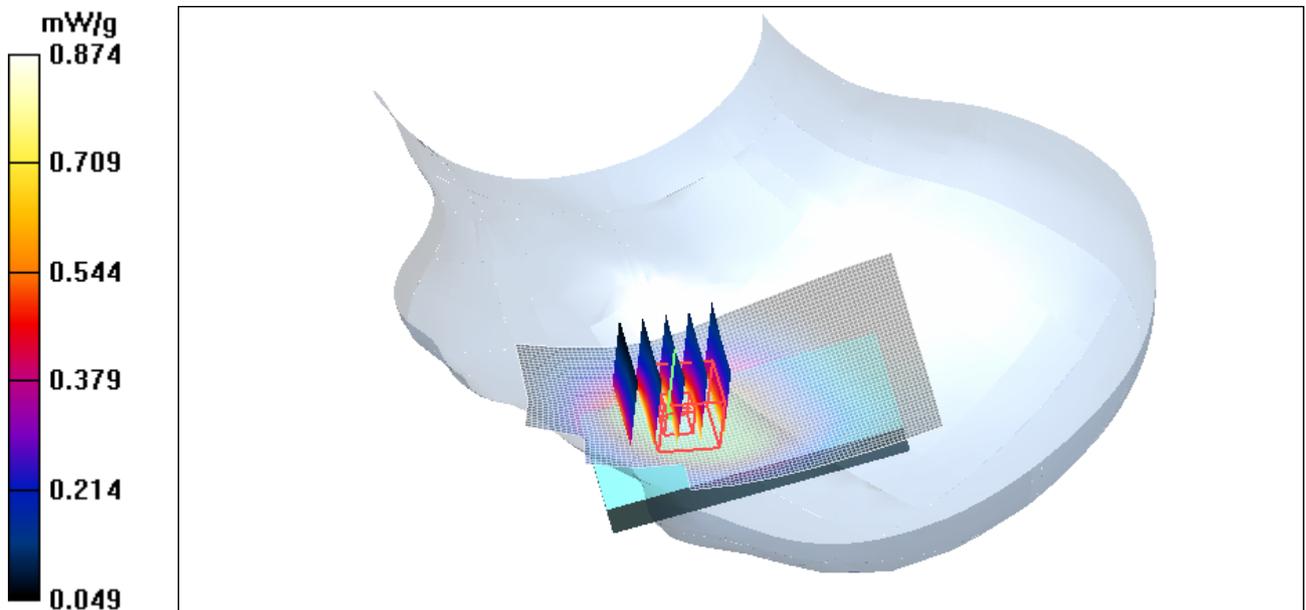


Figure 111 Left Hand Touch Cheek WCDMA Band V Channel 4183

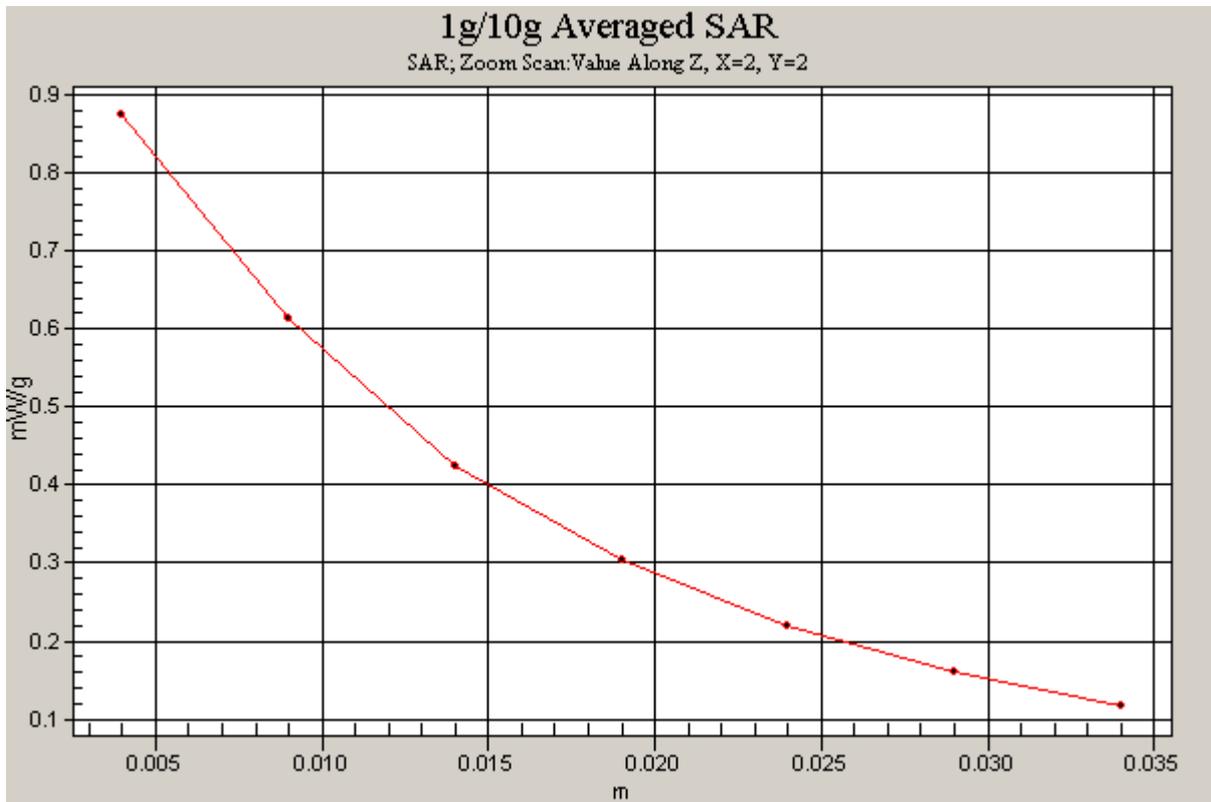


Figure 112 Z-Scan at power reference point (Left Hand Touch Cheek WCDMA Band V Channel 4183)

**WCDMA Band V Left Cheek Low**

Date/Time: 12/11/2009 2:55:34 AM

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

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.877$  mho/m;  $\epsilon_r = 42$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(9.2, 9.2, 9.2); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Cheek Low/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.845 mW/g

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

Reference Value = 10.1 V/m; Power Drift = 0.133 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.820 mW/g; SAR(10 g) = 0.567 mW/g**

Maximum value of SAR (measured) = 0.887 mW/g

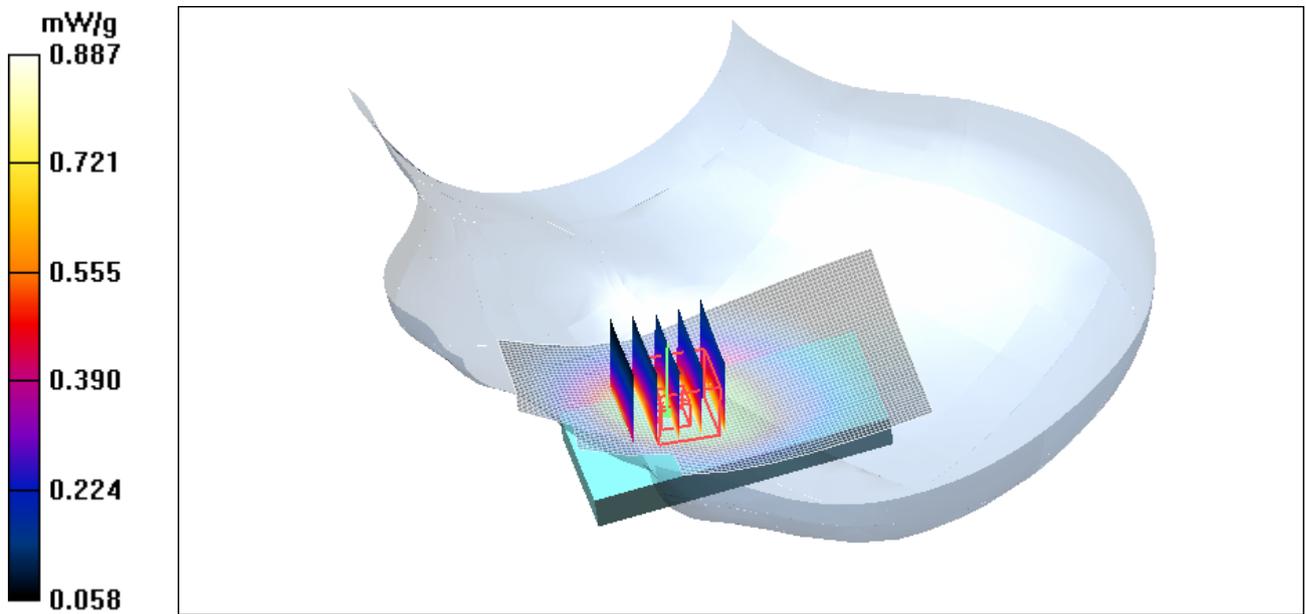


Figure 113 Left Hand Touch Cheek WCDMA Band V Channel 4132

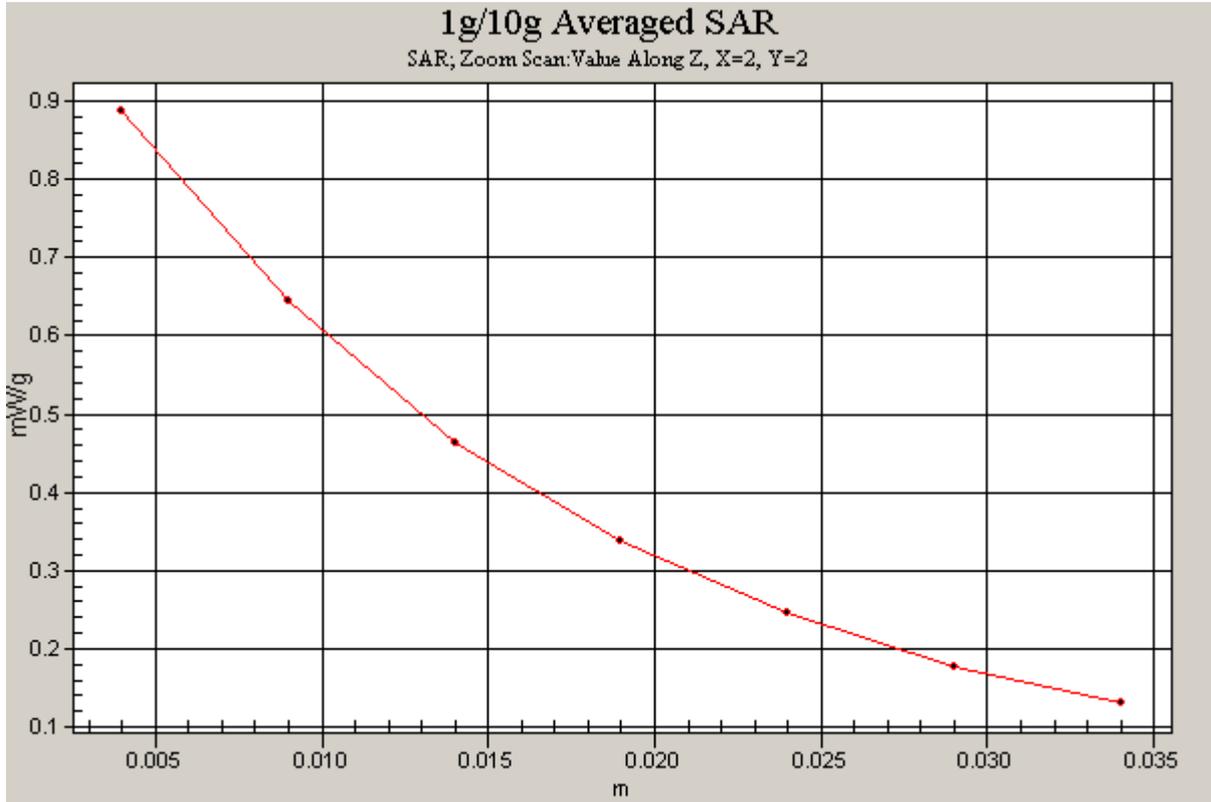


Figure 114 Z-Scan at power reference point (Left Hand Touch Cheek WCDMA Band V Channel 4132)

### WCDMA Band V Left Tilt Middle

Date/Time: 12/11/2009 1:23:05 AM

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.886$  mho/m;  $\epsilon_r = 41.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(9.2, 9.2, 9.2); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.438 mW/g

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

Reference Value = 12.9 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.526 W/kg

**SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.305 mW/g**

Maximum value of SAR (measured) = 0.438 mW/g

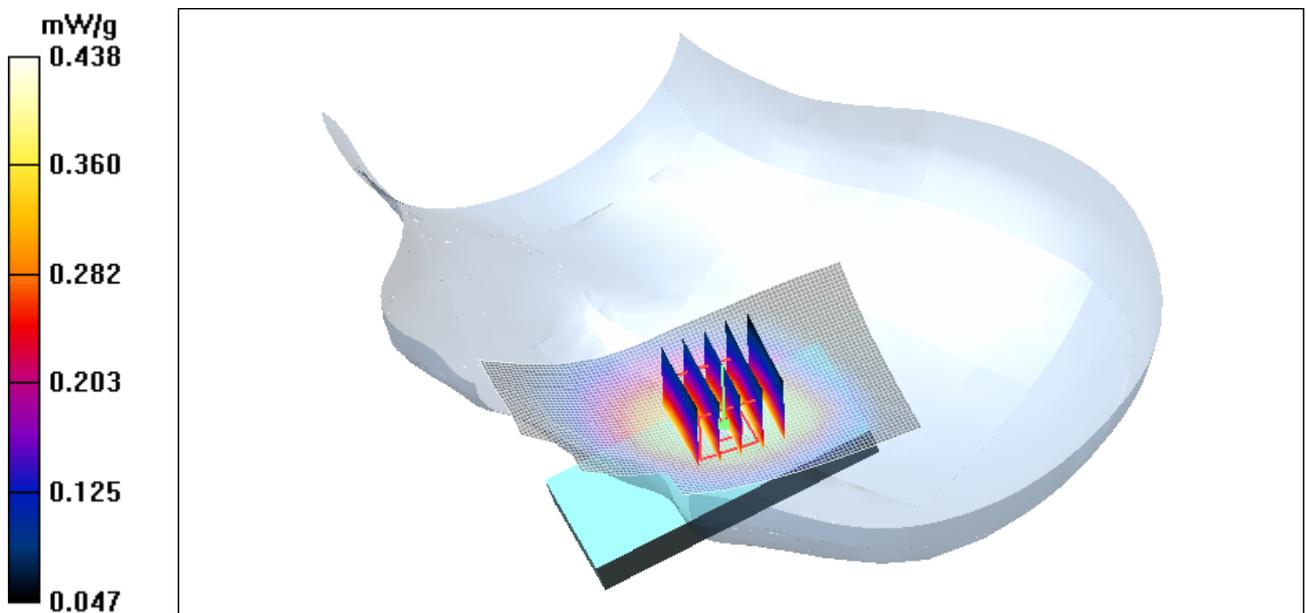


Figure 115 Left Hand Tilt 15° WCDMA Band V Channel 4183

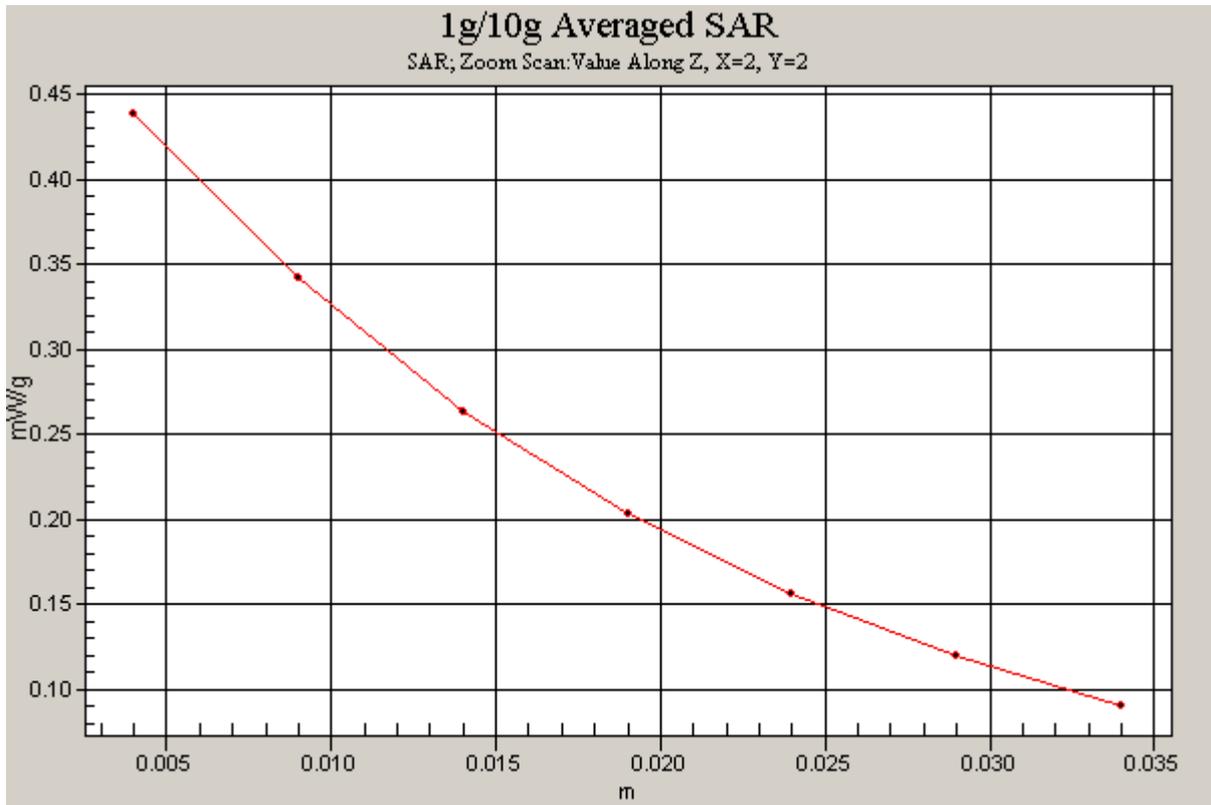


Figure 116 Z-Scan at power reference point (Left Hand Tilt 15° WCDMA Band V Channel 4183)

### WCDMA Band V Right Cheek Middle

Date/Time: 12/11/2009 1:45:18 AM

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.886$  mho/m;  $\epsilon_r = 41.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(9.2, 9.2, 9.2); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Cheek Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.826 mW/g

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

Reference Value = 5.97 V/m; Power Drift = 0.110 dB

Peak SAR (extrapolated) = 1.00 W/kg

**SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.517 mW/g**

Maximum value of SAR (measured) = 0.782 mW/g

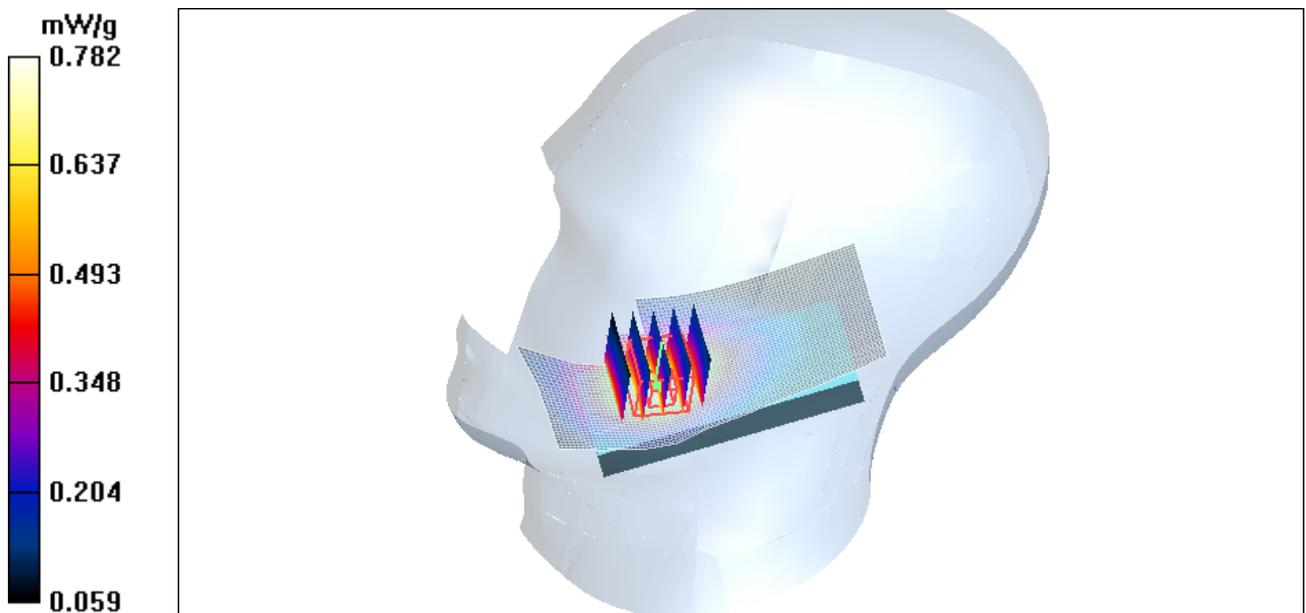


Figure 117 Right Hand Touch Cheek WCDMA Band V Channel 4183

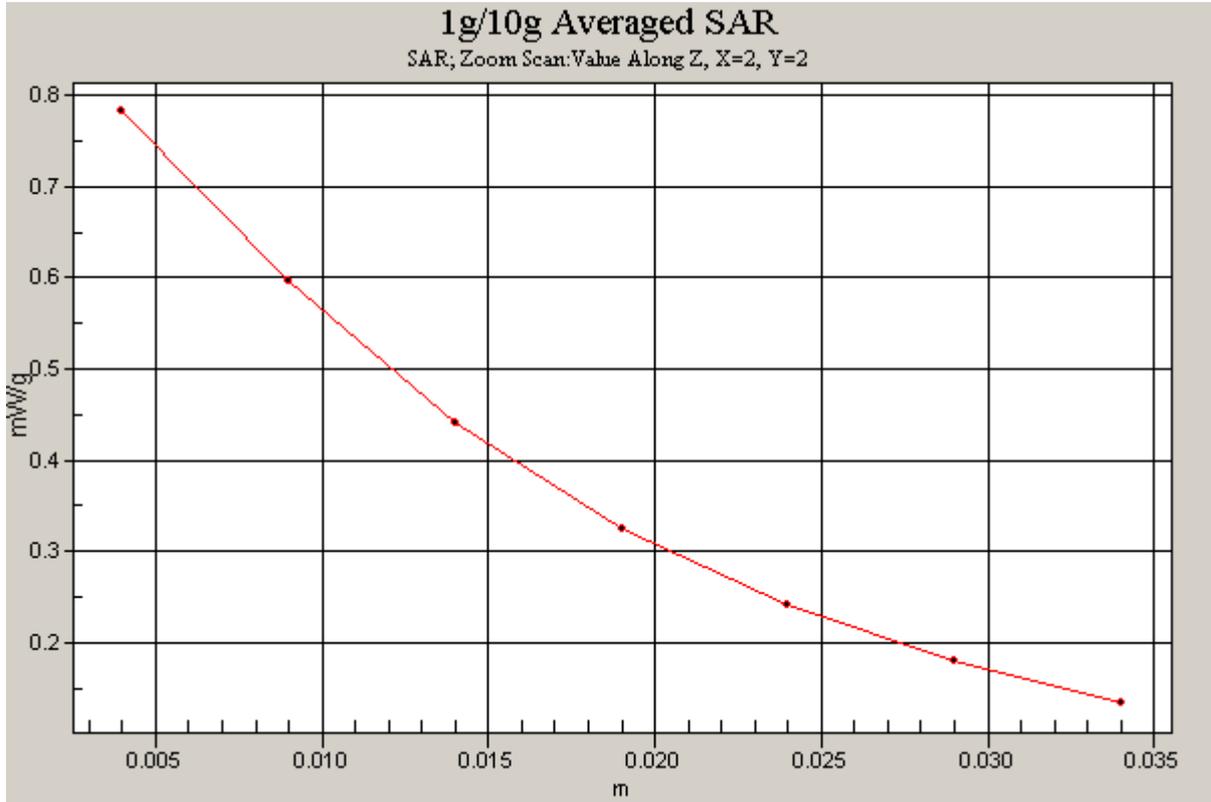


Figure 118 Z-Scan at power reference point (Right Hand Touch Cheek WCDMA Band V Channel 4183)

### WCDMA Band V Right Tilt Middle

Date/Time: 12/11/2009 2:08:25 AM

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.886$  mho/m;  $\epsilon_r = 41.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3677; ConvF(9.2, 9.2, 9.2); Calibrated: 9/23/2009

Electronics: DAE4 Sn905; Calibrated: 6/24/2009

Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1246

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Tilt Middle/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.400 mW/g

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

Reference Value = 10.1 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 0.467 W/kg

**SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.274 mW/g**

Maximum value of SAR (measured) = 0.389 mW/g

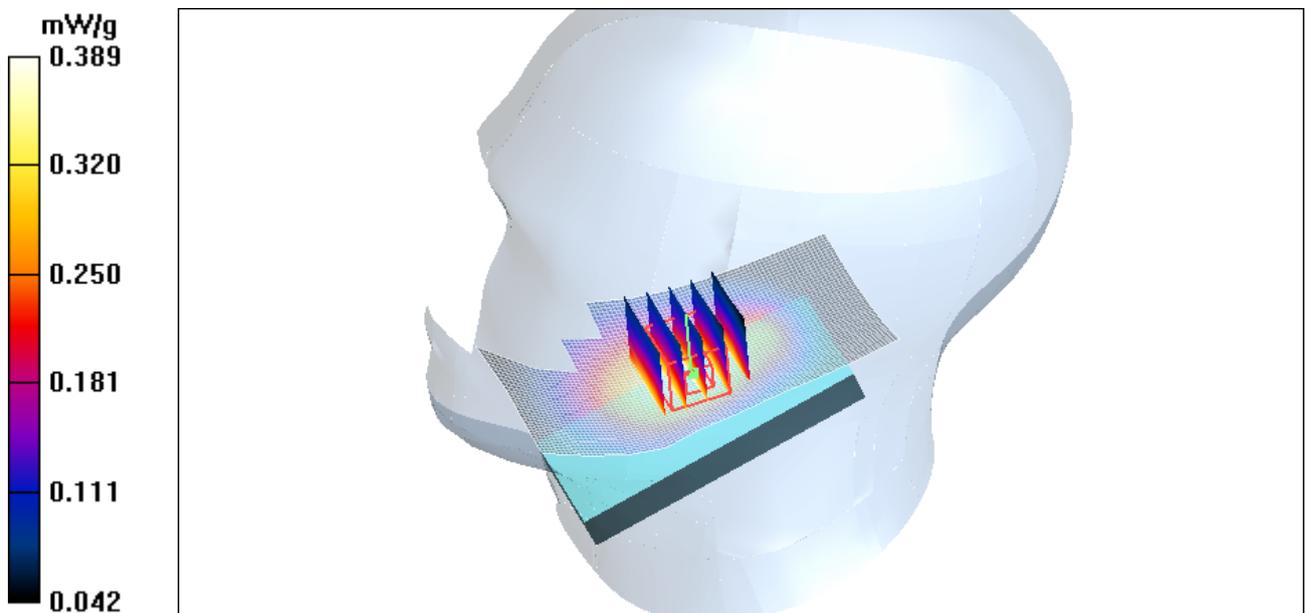


Figure 119 Right Hand Tilt 15° WCDMA Band V Channel 4183

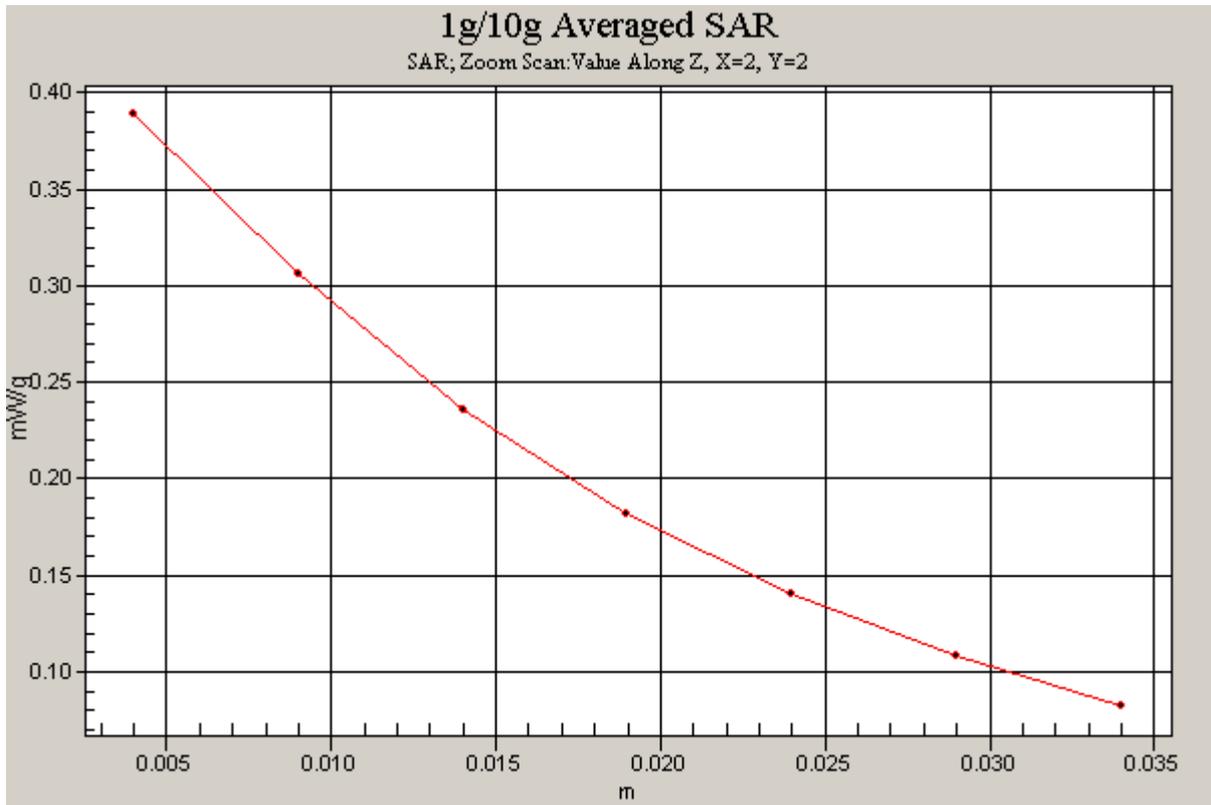


Figure 120 Z-Scan at power reference point (Right Hand Tilt 15° WCDMA Band V Channel 4183)