

### GSM 1900 Towards Ground High

Date/Time: 9/16/2009 12:25:11 AM

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

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.54$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.370 mW/g

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

Reference Value = 6.47 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.600 W/kg

**SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.196 mW/g**

Maximum value of SAR (measured) = 0.357 mW/g

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

Reference Value = 6.47 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.389 W/kg

**SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.143 mW/g**

Maximum value of SAR (measured) = 0.250 mW/g

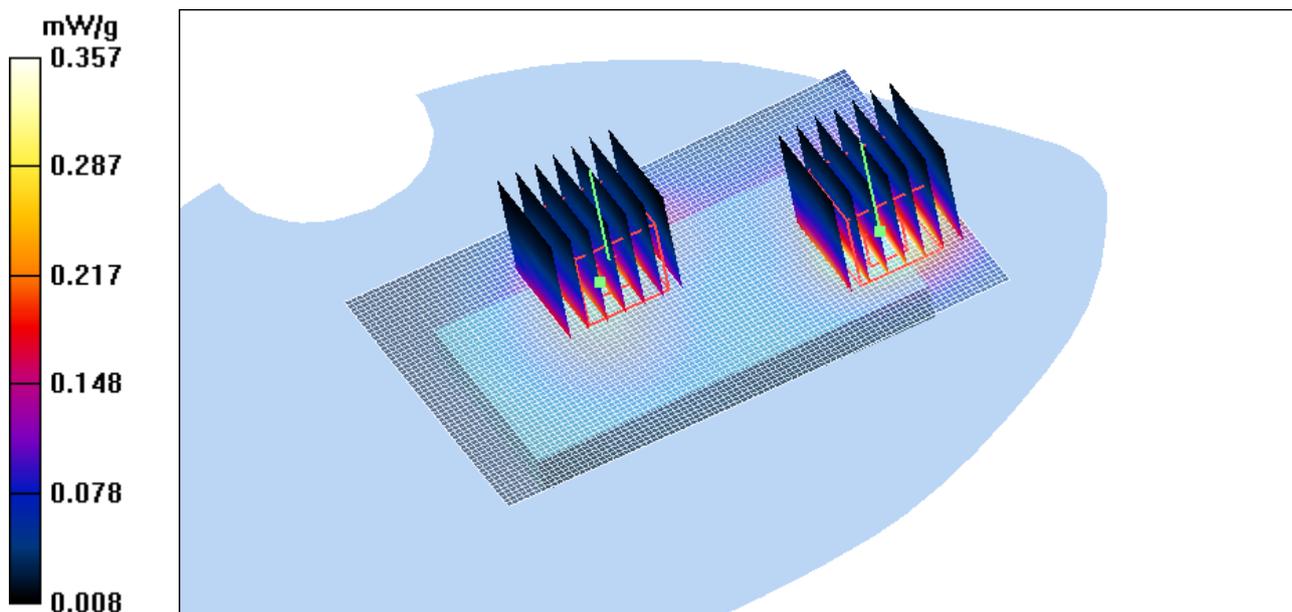


Figure 57 Body, Towards Ground, GSM 1900 Channel 810

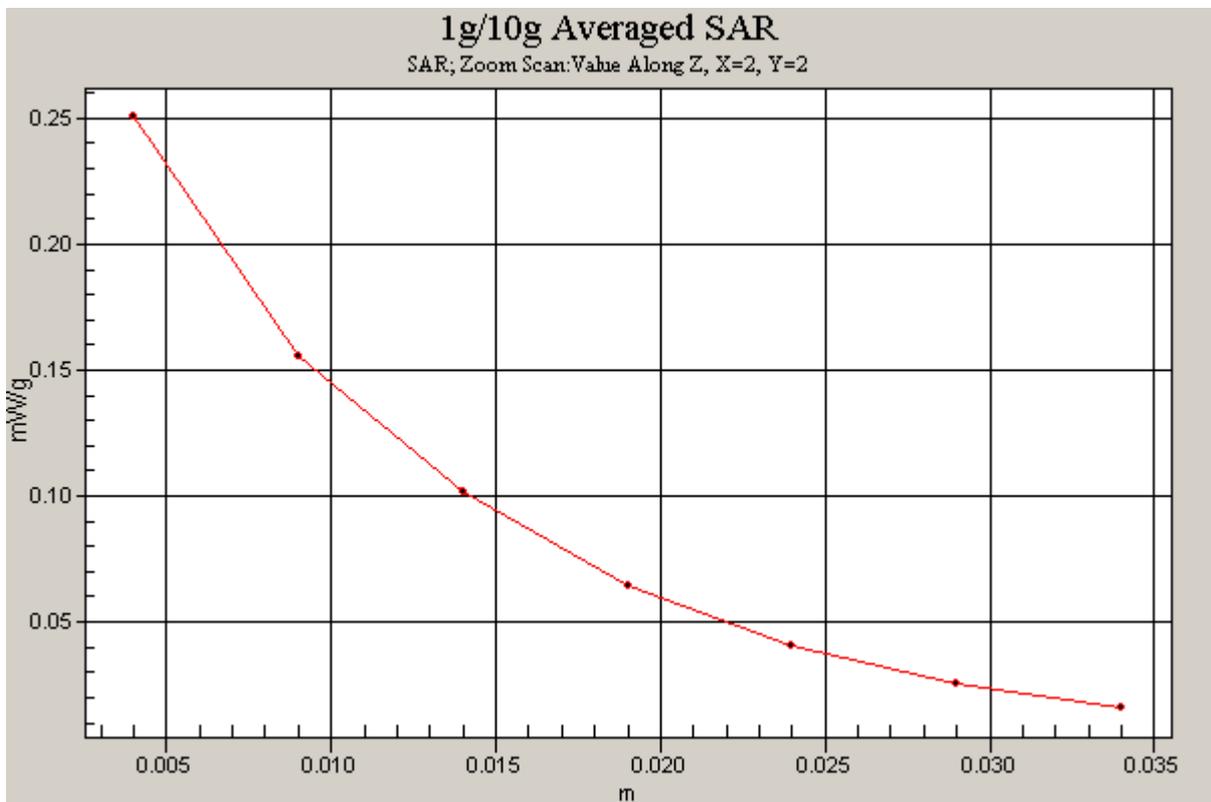
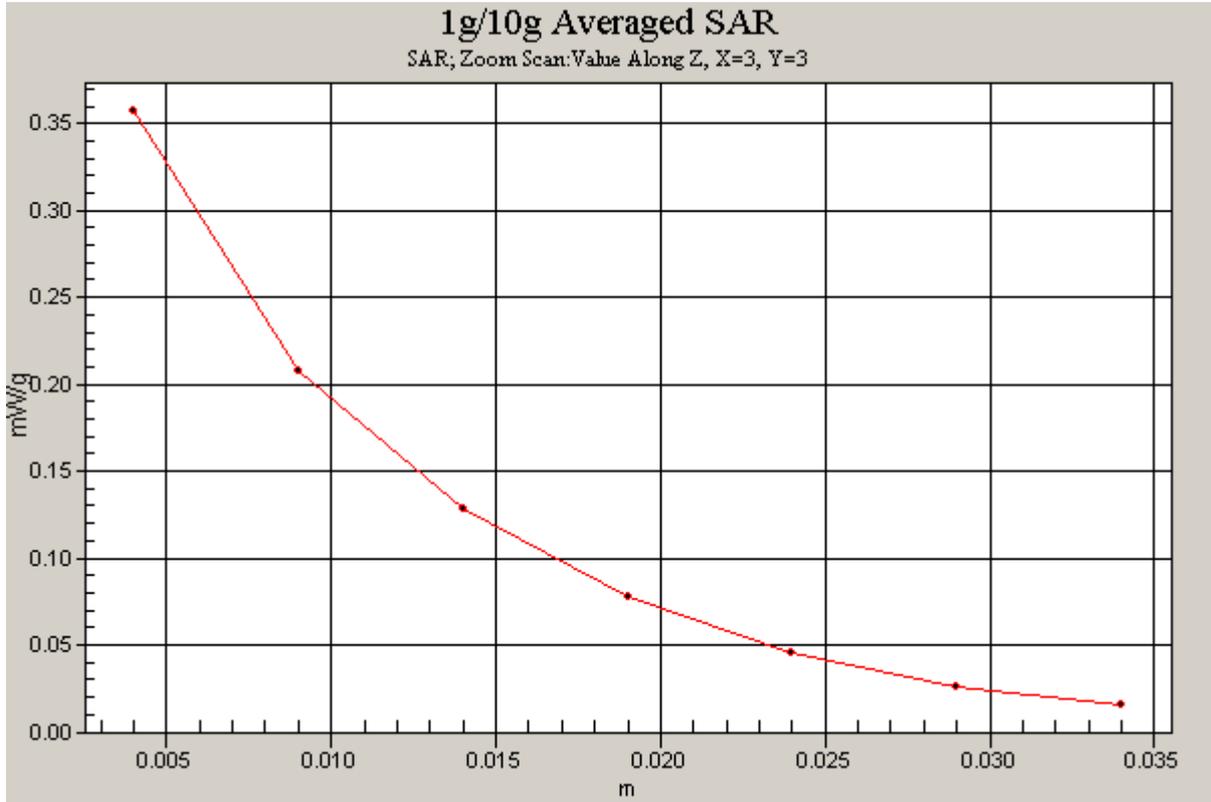


Figure 58 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 Channel 810)

### GSM 1900 Towards Ground Middle

Date/Time: 9/15/2009 11:30:33 PM

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.294 mW/g

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

Reference Value = 9.33 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.560 W/kg

**SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.174 mW/g**

Maximum value of SAR (measured) = 0.330 mW/g

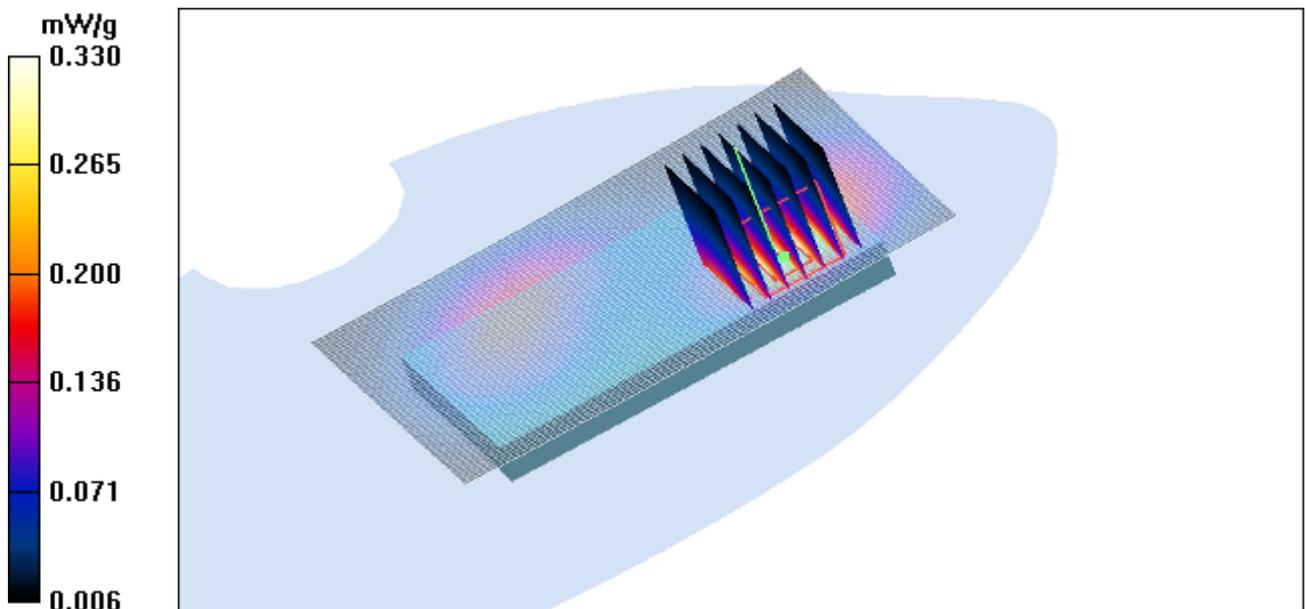


Figure 59 Body, Towards Ground, GSM 1900 Channel 661

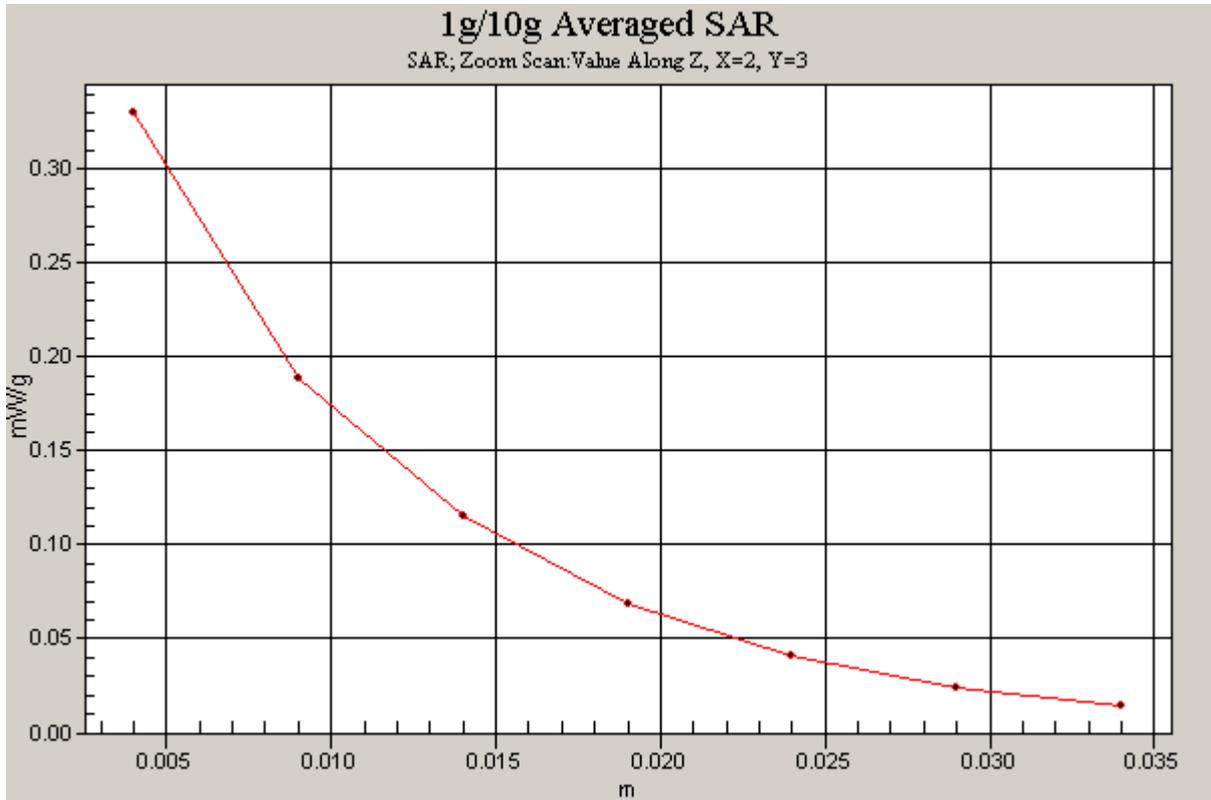


Figure 60 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 Channel 661)

### GSM 1900 Towards Ground Low

Date/Time: 9/16/2009 12:54:22 AM

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.168 mW/g

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

Reference Value = 4.38 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.084 mW/g**

Maximum value of SAR (measured) = 0.155 mW/g

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

Reference Value = 4.38 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.182 W/kg

**SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.071 mW/g**

Maximum value of SAR (measured) = 0.121 mW/g

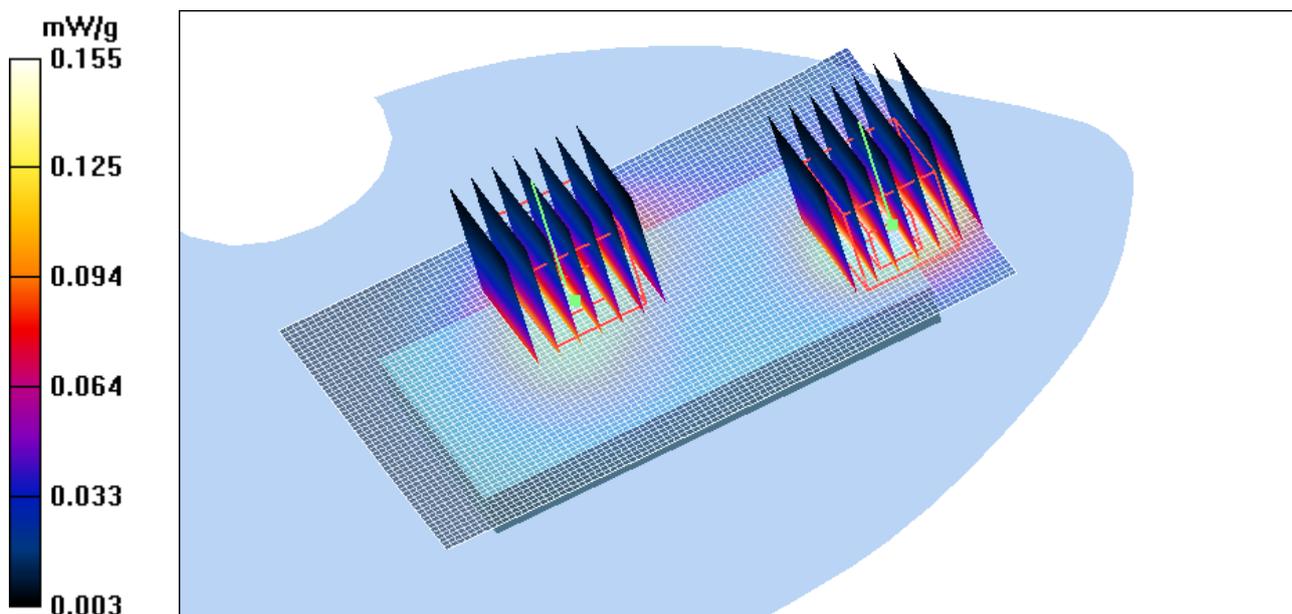


Figure 61 Body, Towards Ground, GSM 1900 Channel 512

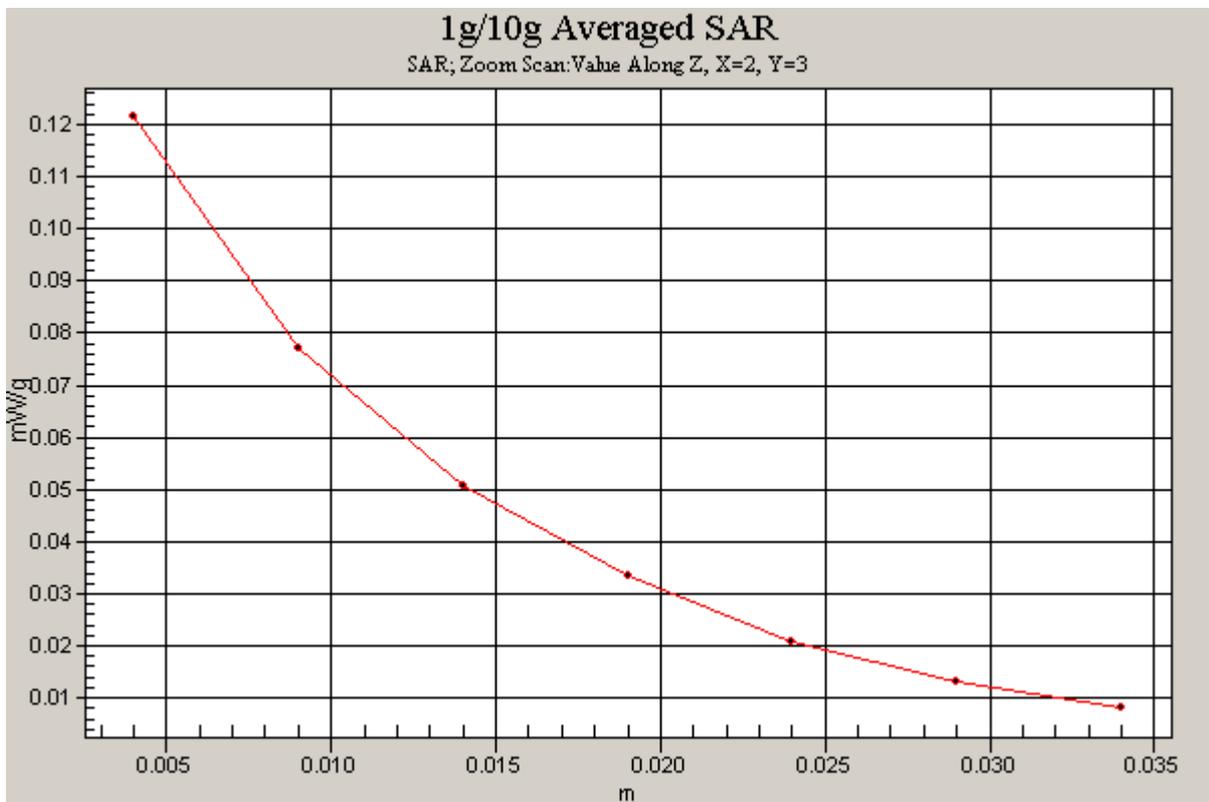
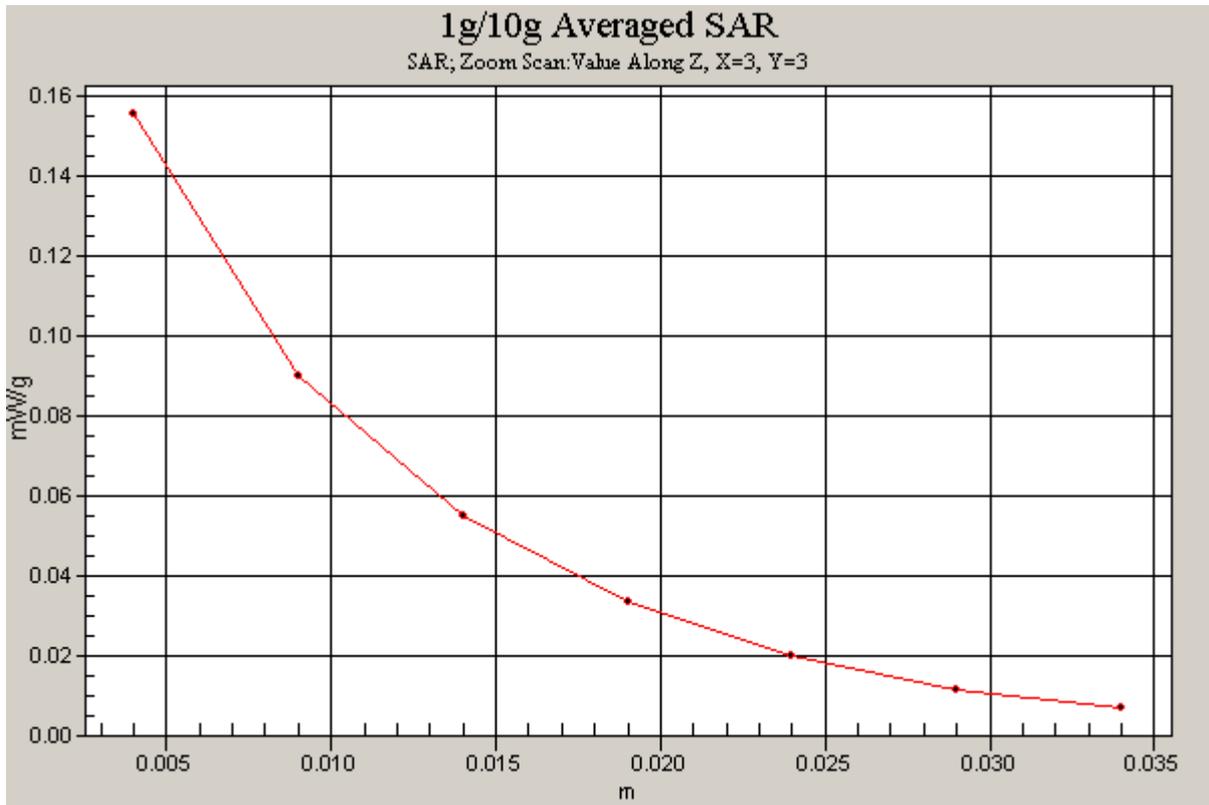


Figure 62 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 Channel 512)

### GSM 1900 Towards Phantom Middle

Date/Time: 9/15/2009 11:59:13 PM

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.303 mW/g

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

Reference Value = 9.17 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.500 W/kg

**SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.164 mW/g**

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

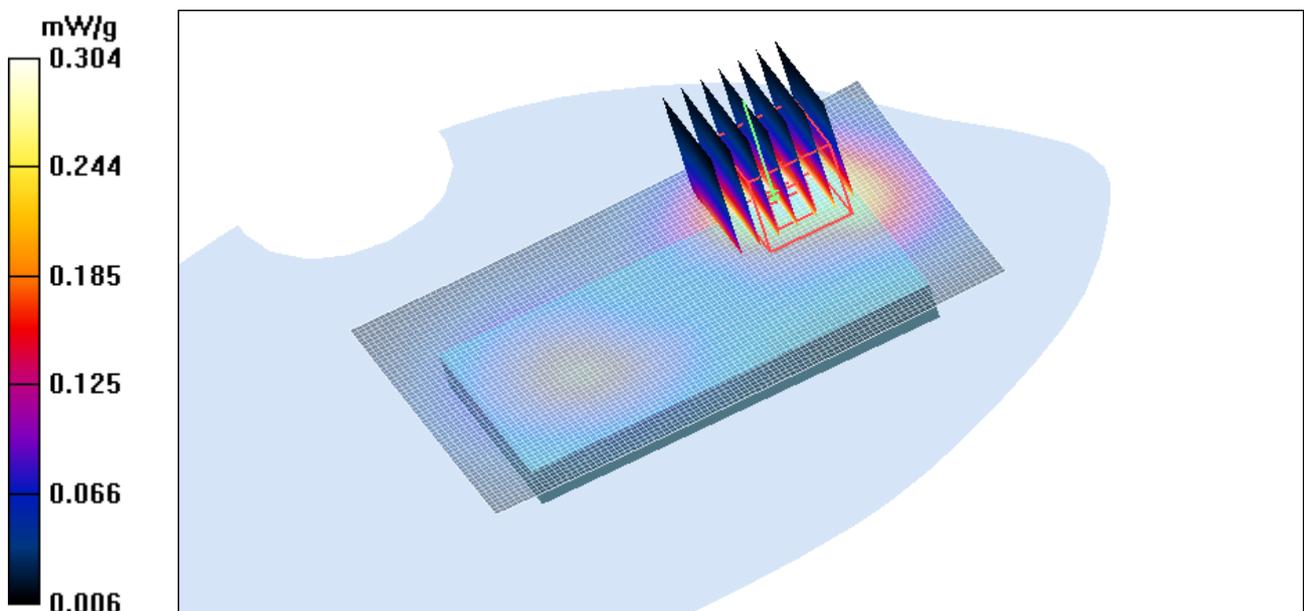


Figure 63 Body, Towards Phantom, GSM 1900 Channel 661

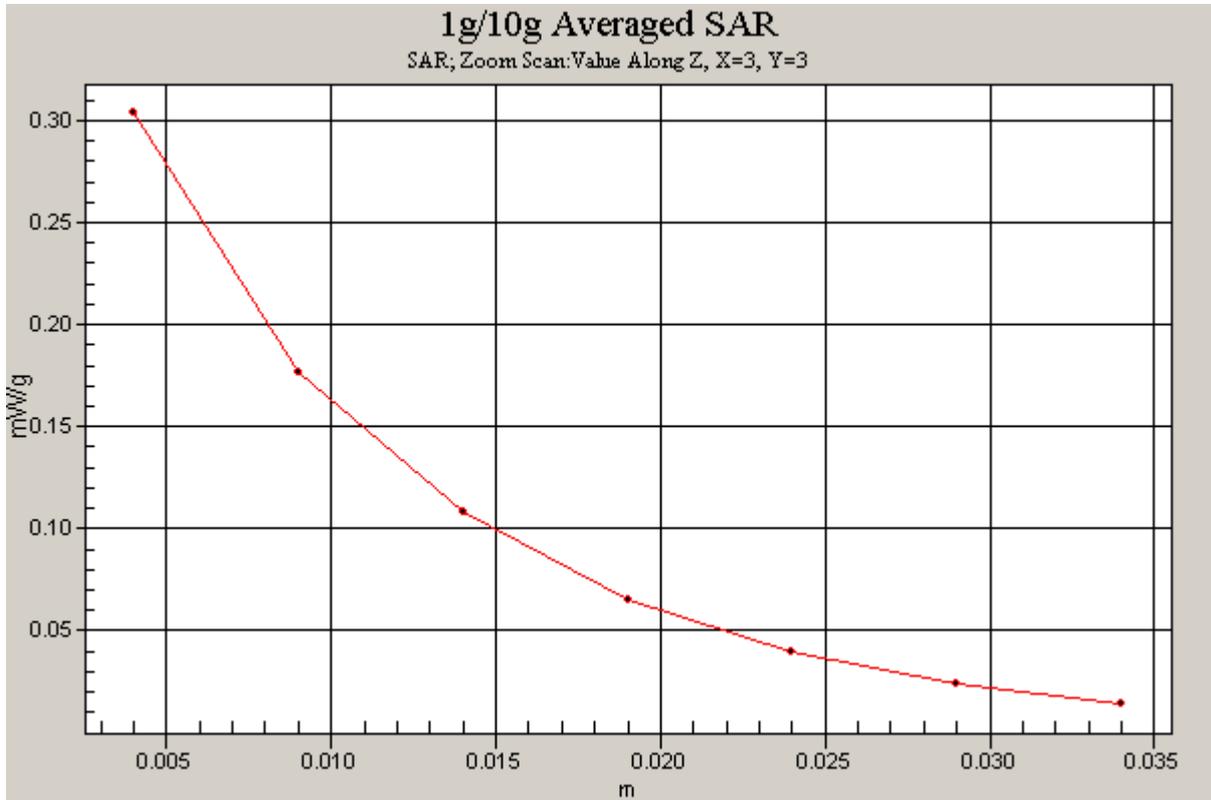


Figure 64 Z-Scan at power reference point (Body, Towards Phantom, GSM 1900 Channel 661)

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

Date/Time: 9/16/2009 2:13:12 AM

Communication System: GSM 1900+GPRS(2Up); Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.54$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.844 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 = 0.006 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.436 mW/g**

Maximum value of SAR (measured) = 0.801 mW/g

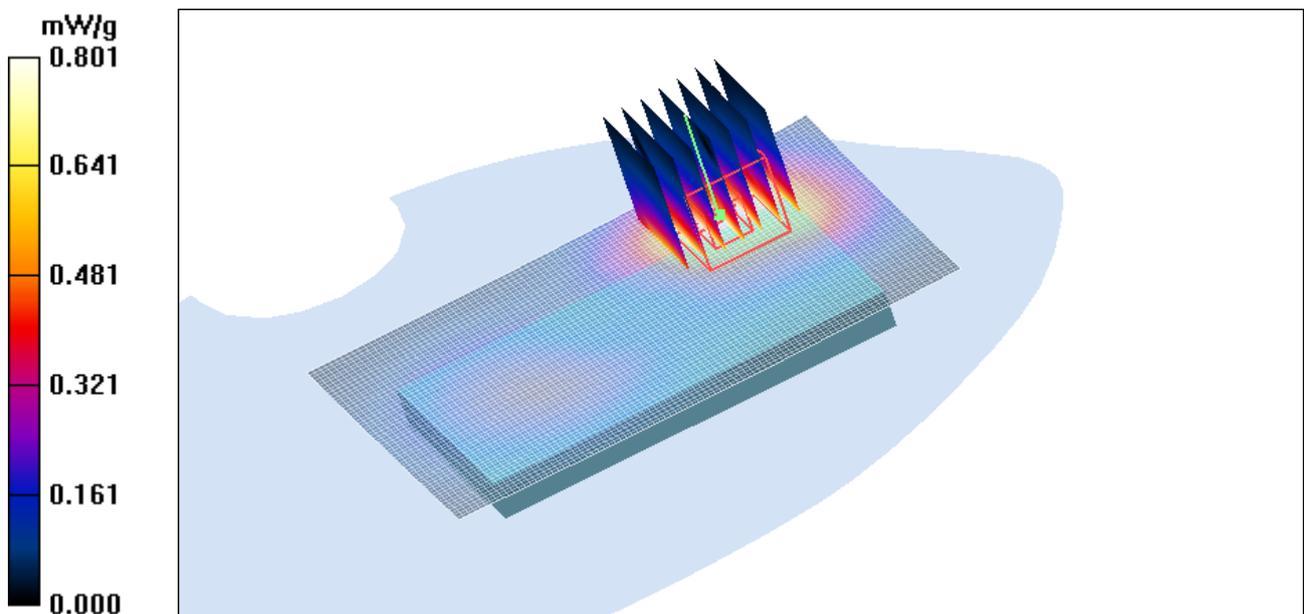


Figure 65 Body, Towards Ground, GSM 1900 GPRS (2up) Channel 810

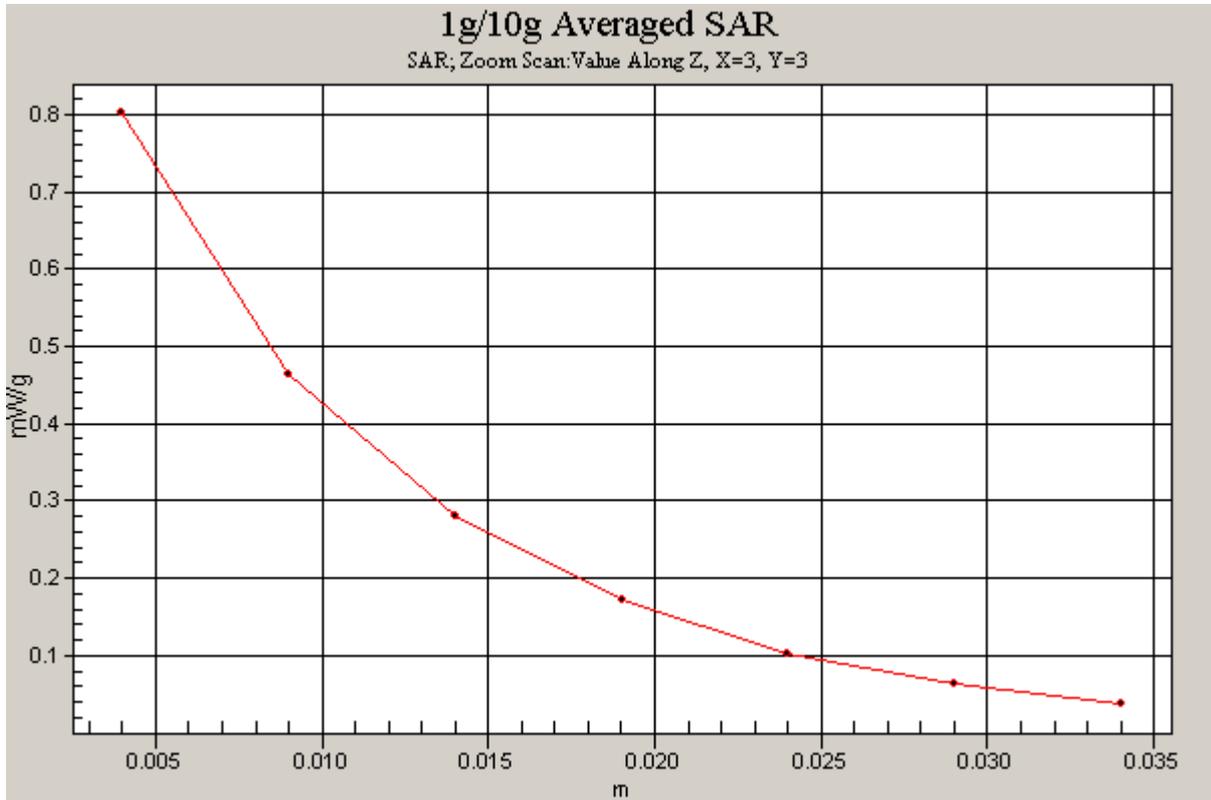


Figure 66 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 GPRS (2up) Channel 810)

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

Date/Time: 9/16/2009 1:25:32 AM

Communication System: GSM 1900+GPRS(2Up); Frequency: 1880 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.791 mW/g

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

Reference Value = 13.6 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.410 mW/g**

Maximum value of SAR (measured) = 0.764 mW/g

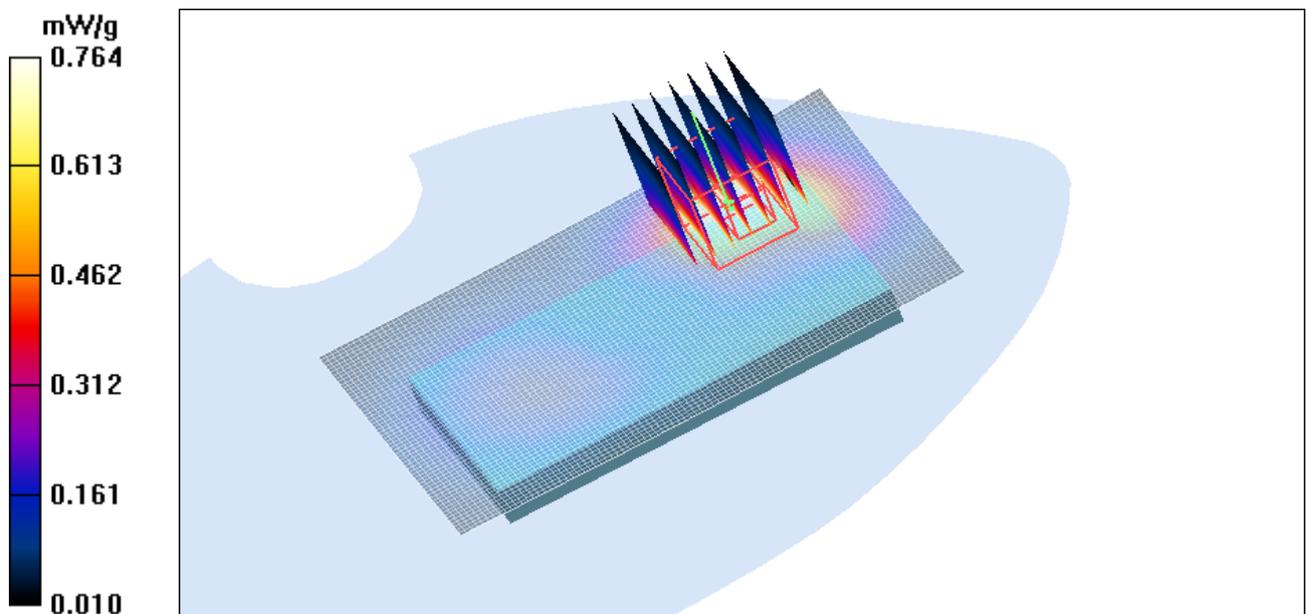


Figure 67 Body, Towards Ground, GSM 1900 GPRS (2up) Channel 661

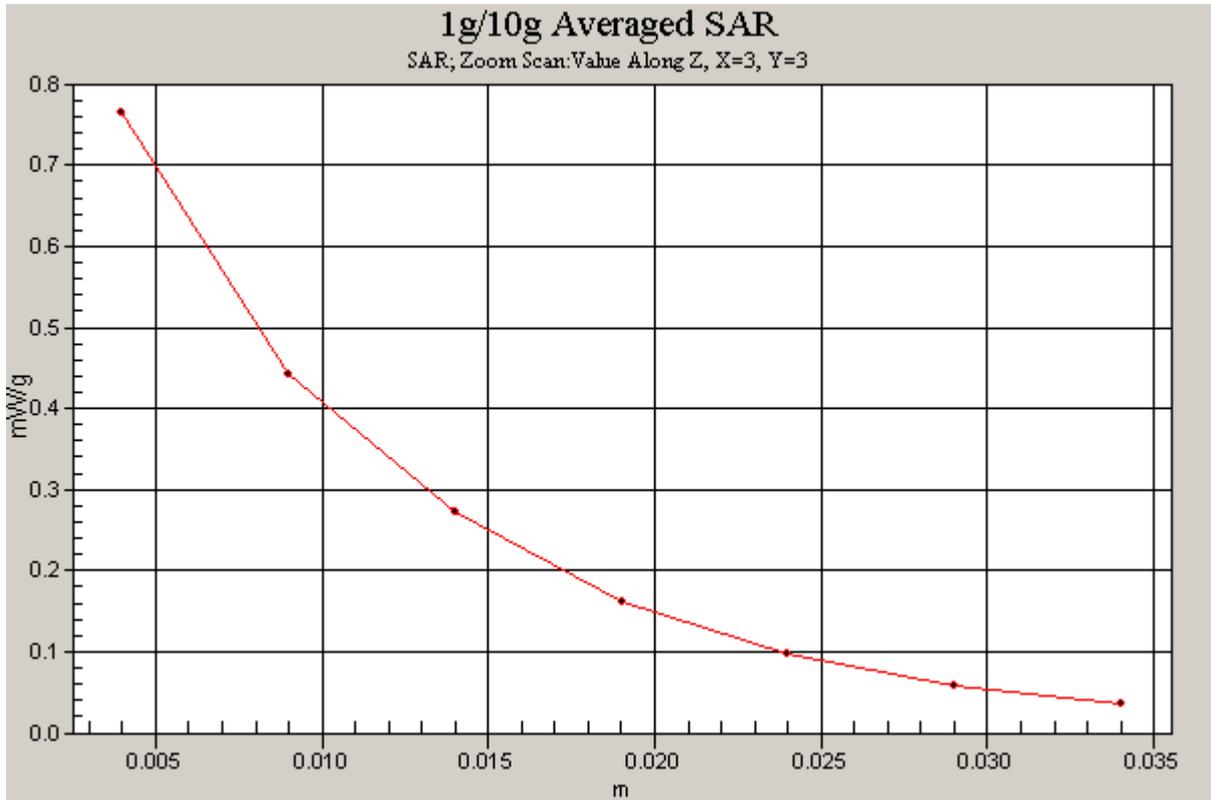


Figure 68 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 GPRS (2up) Channel 661)

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

Date/Time: 9/16/2009 2:38:24 AM

Communication System: GSM 1900+GPRS(2Up); Frequency: 1850.2 MHz;Duty Cycle: 1:4

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 9.91 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 0.646 W/kg

**SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.215 mW/g**

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

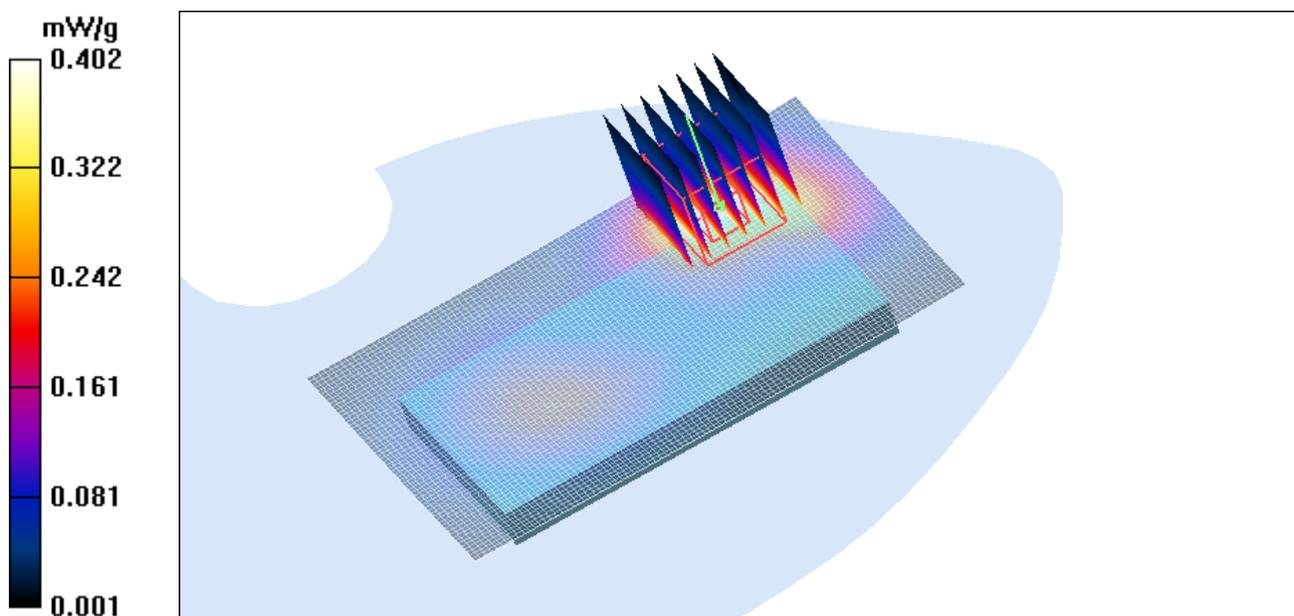


Figure 69 Body, Towards Ground, GSM 1900 GPRS (2up) Channel 512

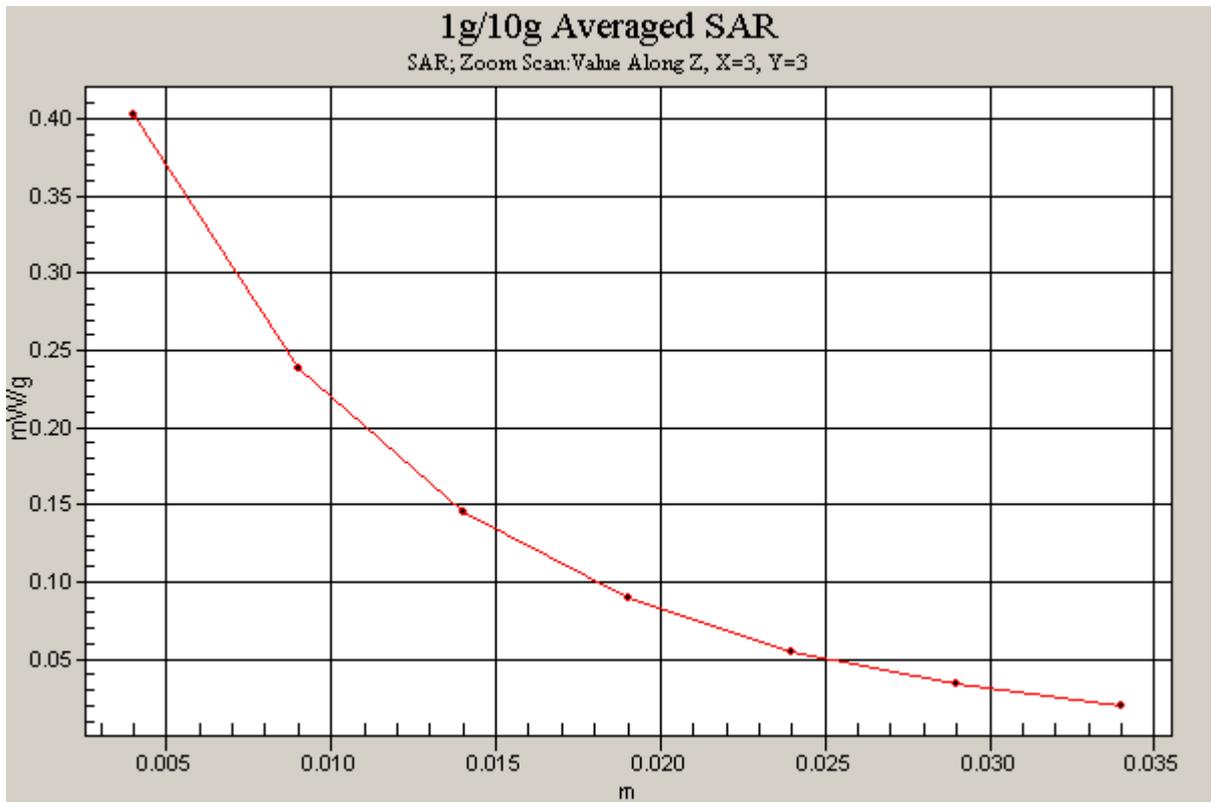


Figure 70 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 GPRS (2up) Channel 512)

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

Date/Time: 9/16/2009 1:47:15 AM

Communication System: GSM 1900+GPRS(2Up); Frequency: 1880 MHz;Duty Cycle: 1:4

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 12.0 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.681 W/kg

**SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.216 mW/g**

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

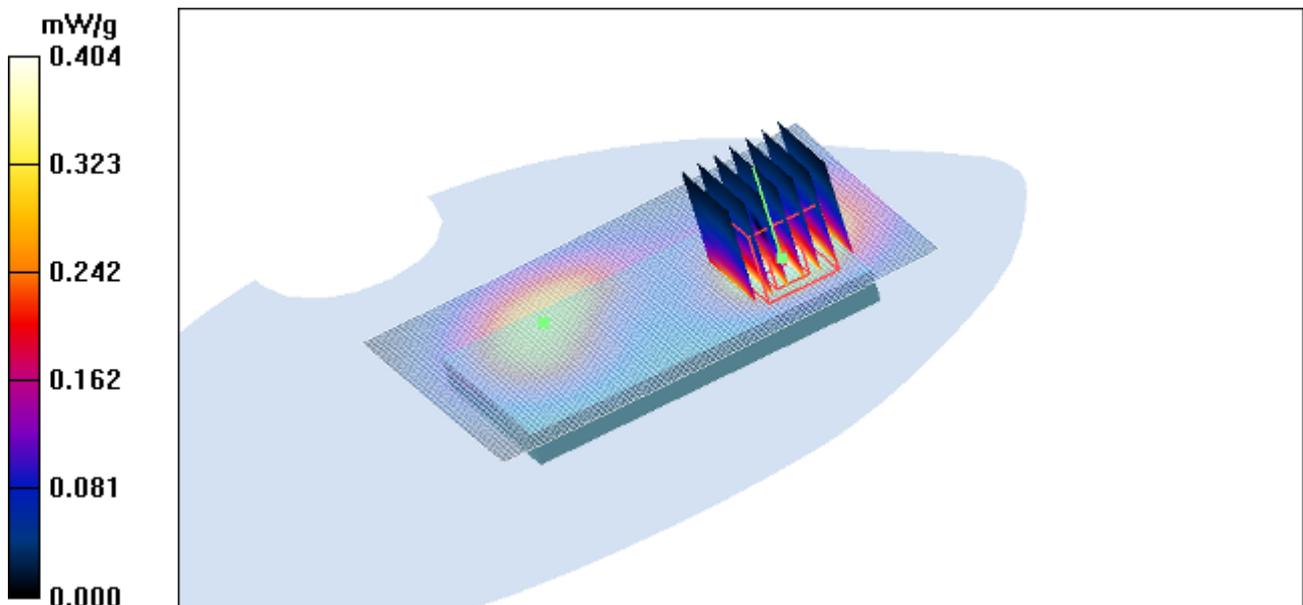


Figure 71 Body, Towards Phantom, GSM 1900 GPRS(2up) Channel 661

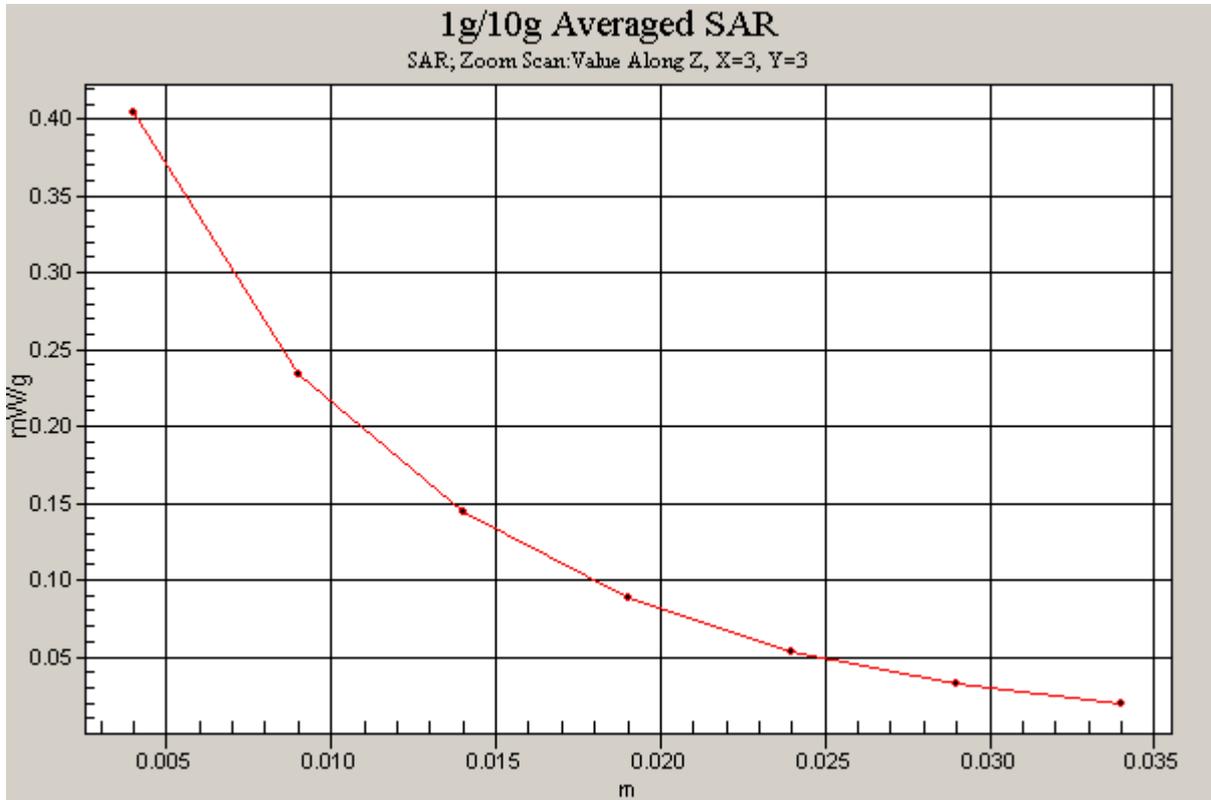


Figure 72 Z-Scan at power reference point (Body, Towards Phantom, GSM 1900 GPRS(2up)  
Channel 661)

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

Date/Time: 9/16/2009 3:05:55 AM

Communication System: GSM 1900+EGPRS(2Up); Frequency: 1909.8 MHz;Duty Cycle: 1:4

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.54$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.704 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 = -0.133 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.648 mW/g; SAR(10 g) = 0.385 mW/g**

Maximum value of SAR (measured) = 0.690 mW/g

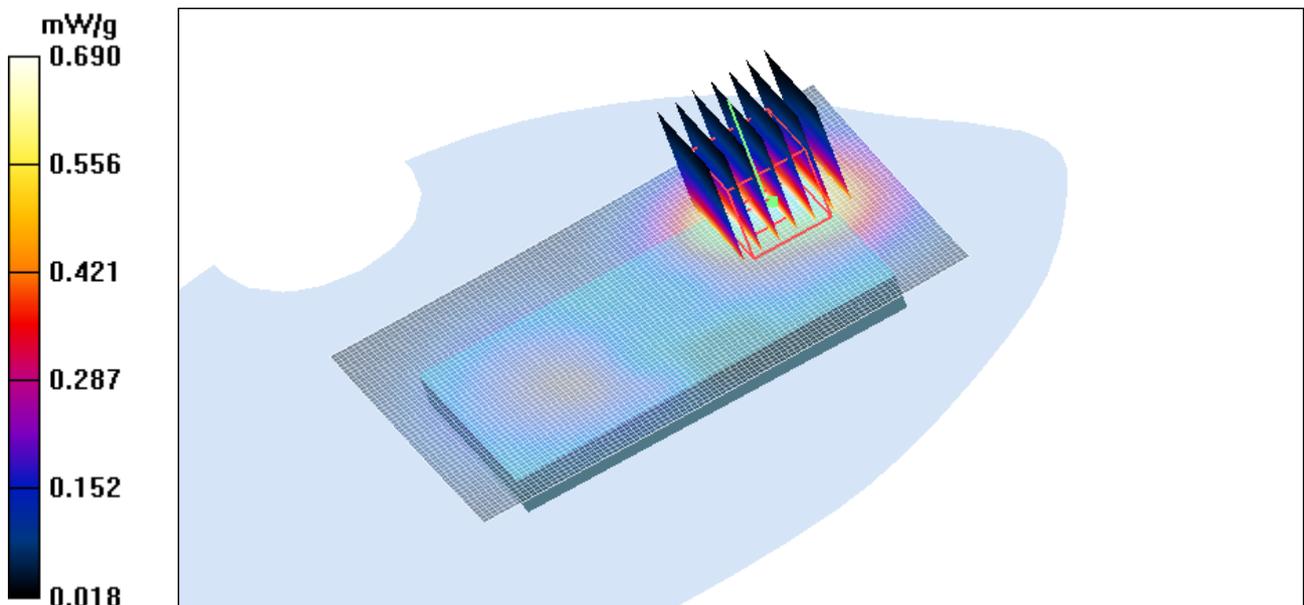


Figure 73 Body, Towards Ground, GSM 1900 EGPRS (2up) Channel 810

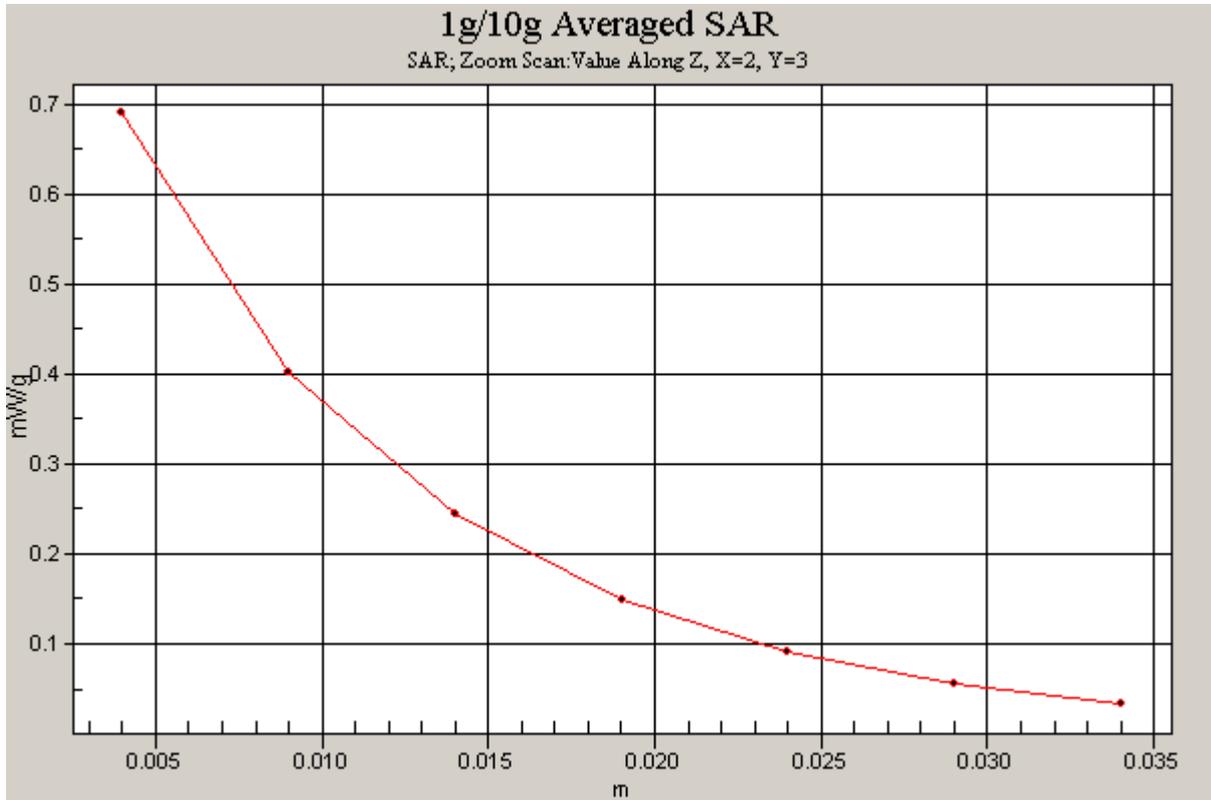


Figure 74 Z-Scan at power reference point (Body, Towards Ground, GSM 1900 EGPRS (2up)  
Channel 810)

### WCDMA Band II Left Cheek High

Date/Time: 9/15/2009 4:45:06 PM

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

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 – SN1737; ConvF(4.89, 4.89, 4.89); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 8.83 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.88 W/kg

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.591 mW/g**

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

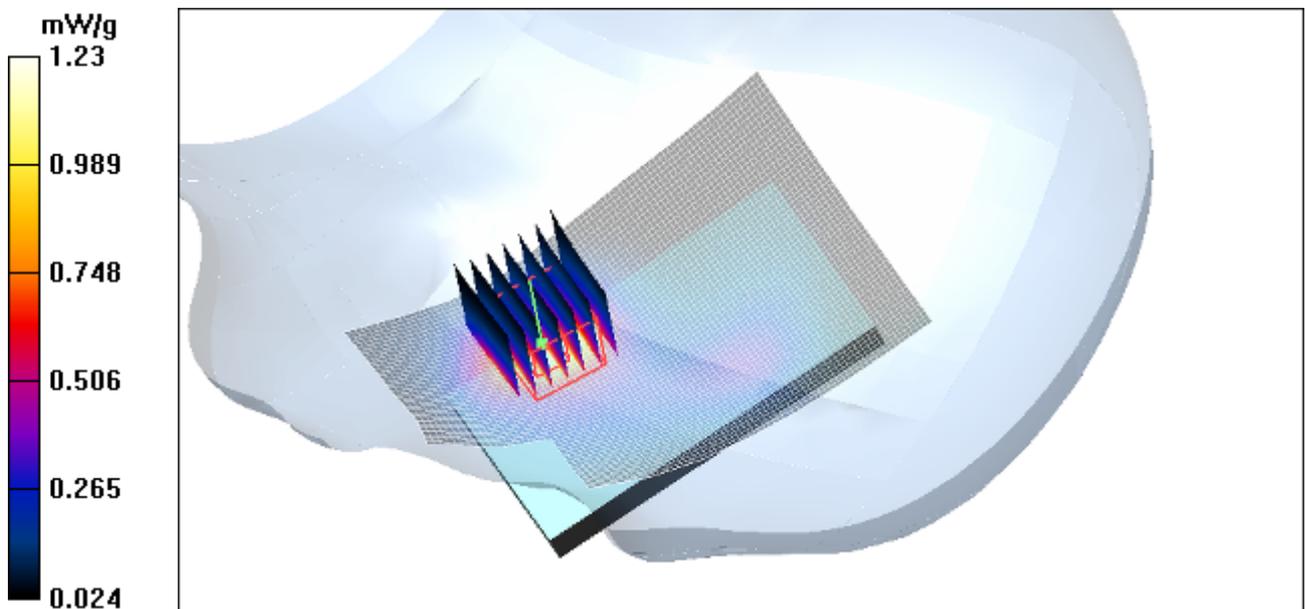


Figure 75 Left Hand Touch Cheek WCDMA Band II Channel 9538

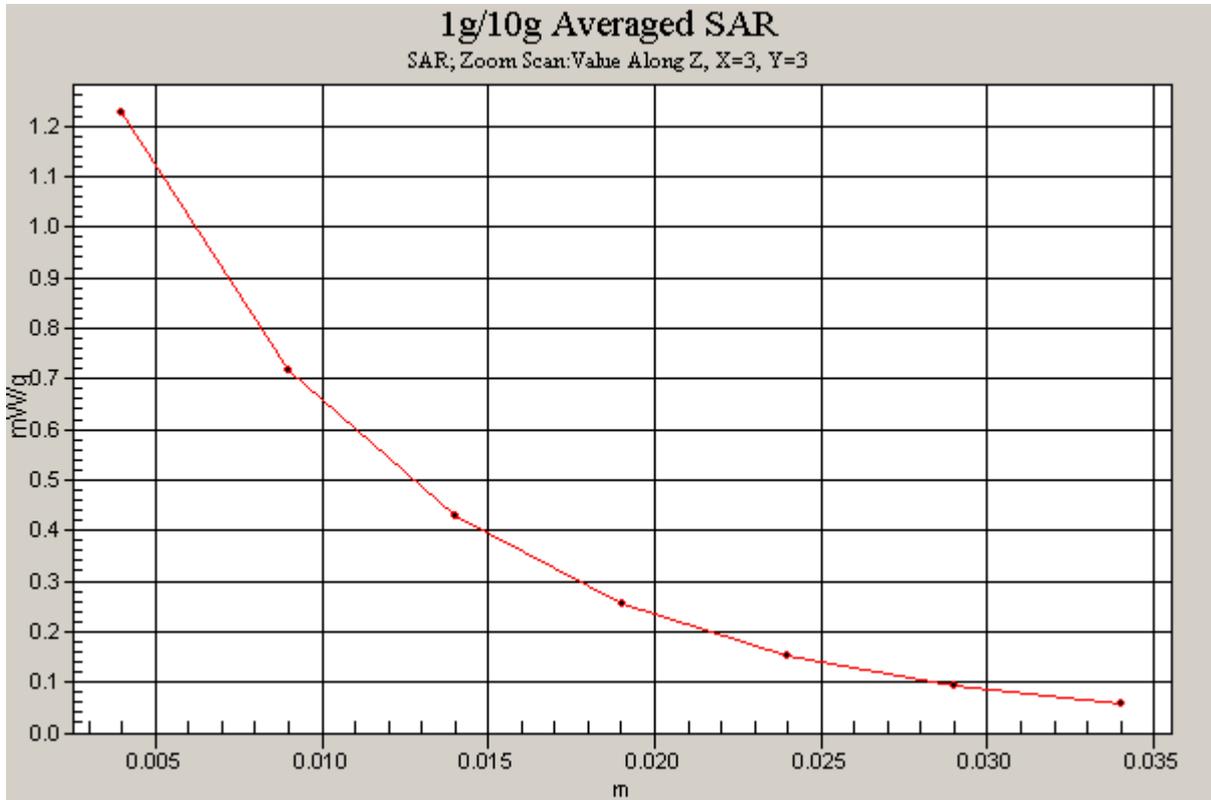


Figure 76 Z-Scan at power reference point (Left Hand Touch Cheek WCDMA Band II Channel 9538)

### WCDMA Band II Left Cheek Middle

Date/Time: 9/15/2009 3:59:55 PM

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 – SN1737; ConvF(4.89, 4.89, 4.89); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 8.39 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.376 mW/g**

Maximum value of SAR (measured) = 0.721 mW/g

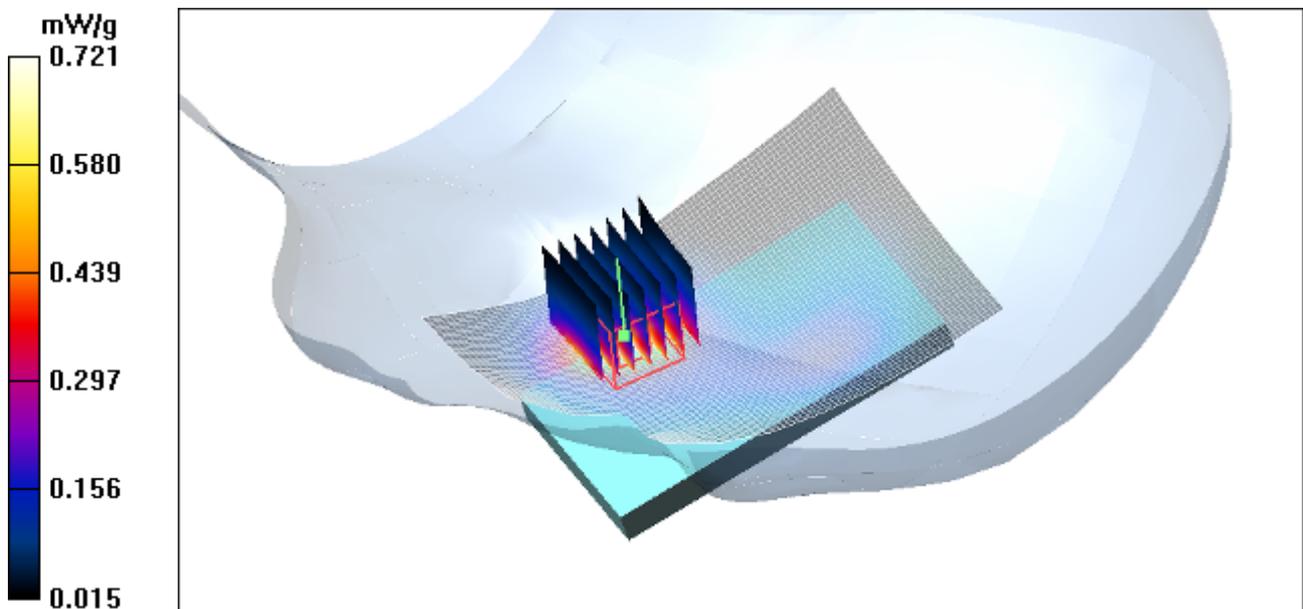


Figure 77 Left Hand Touch Cheek WCDMA Band II Channel 9400

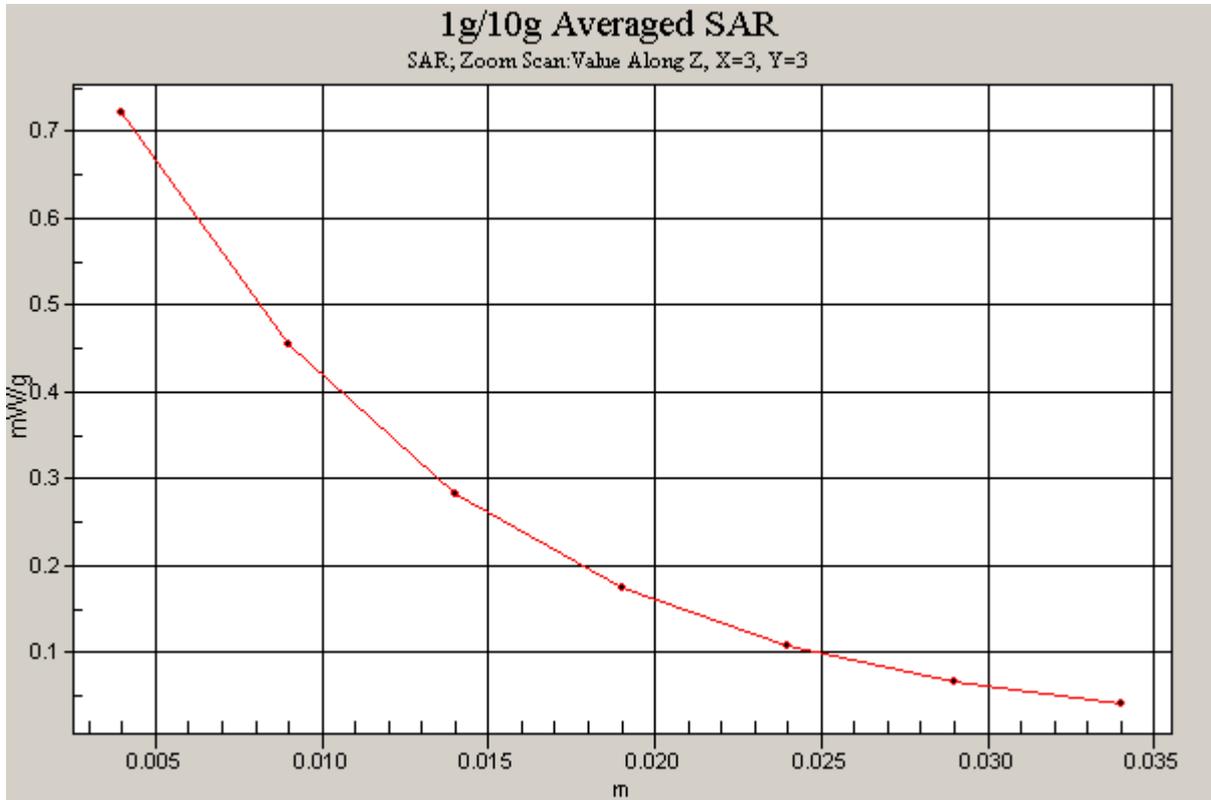


Figure 78 Z-Scan at power reference point (Left Hand Touch Cheek WCDMA Band II Channel 9400)

### WCDMA Band II Left Cheek Low

Date/Time: 9/15/2009 5:15:01 PM

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

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 – SN1737; ConvF(4.89, 4.89, 4.89); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.981 mW/g

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

Reference Value = 7.84 V/m; Power Drift = -0.183 dB

Peak SAR (extrapolated) = 1.50 W/kg

**SAR(1 g) = 0.891 mW/g; SAR(10 g) = 0.498 mW/g**

Maximum value of SAR (measured) = 0.997 mW/g

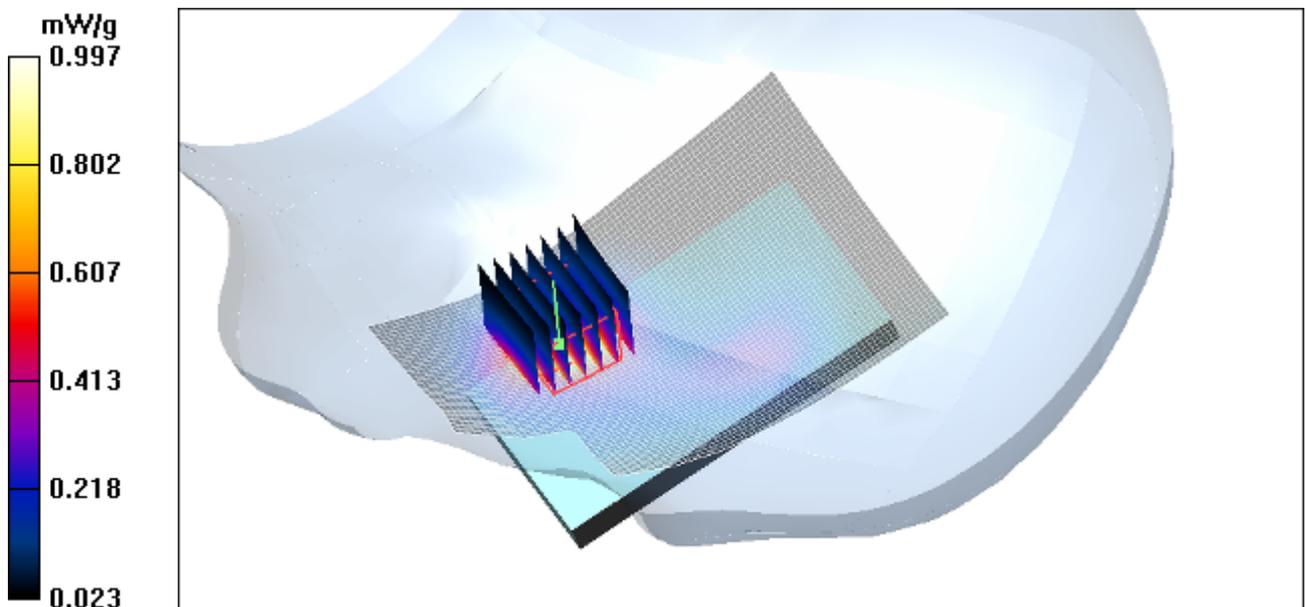


Figure 79 Left Hand Touch Cheek WCDMA Band II Channel 9262

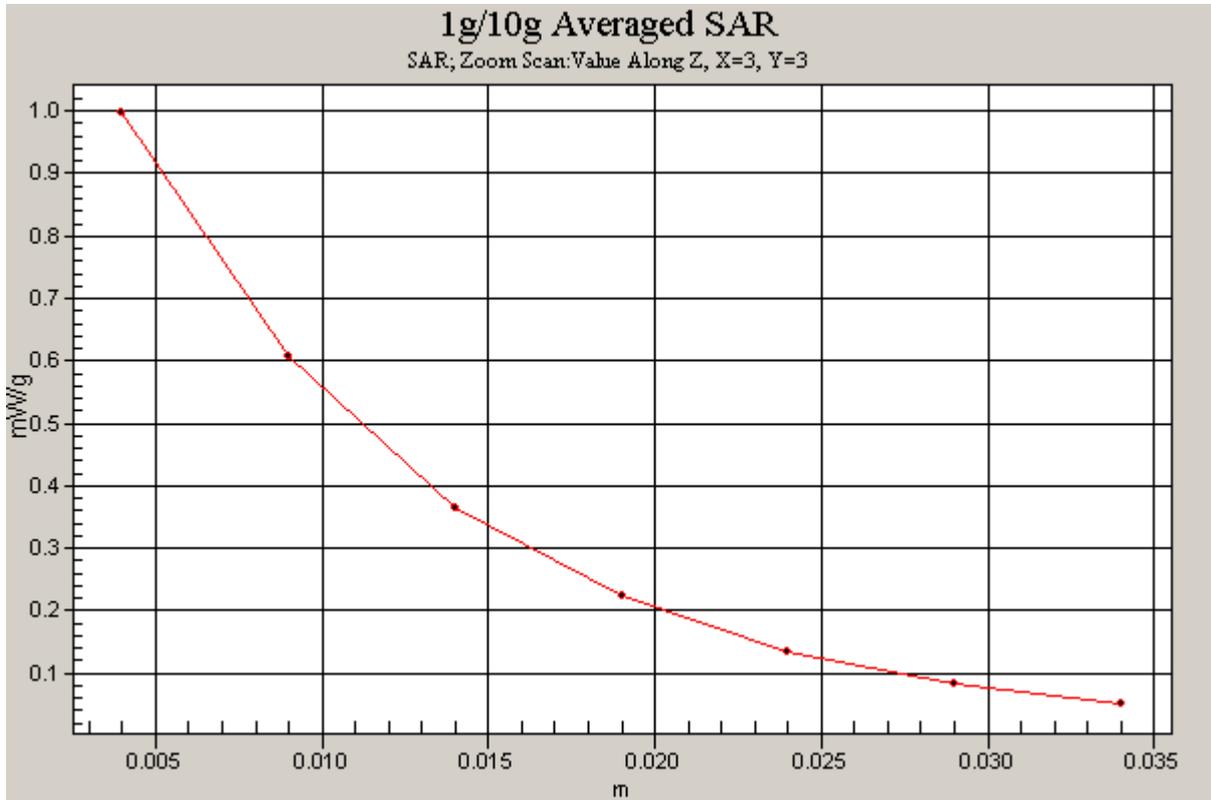


Figure 80 Z-Scan at power reference point (Left Hand Touch Cheek WCDMA Band II Channel 9262)

### WCDMA Band II Left Tilt Middle

Date/Time: 9/15/2009 4:20:52 PM

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Left Section

DASY4 Configuration:

Probe: ET3DV6 – SN1737; ConvF(4.89, 4.89, 4.89); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.246 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 = -0.082 dB

Peak SAR (extrapolated) = 0.328 W/kg

**SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.136 mW/g**

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

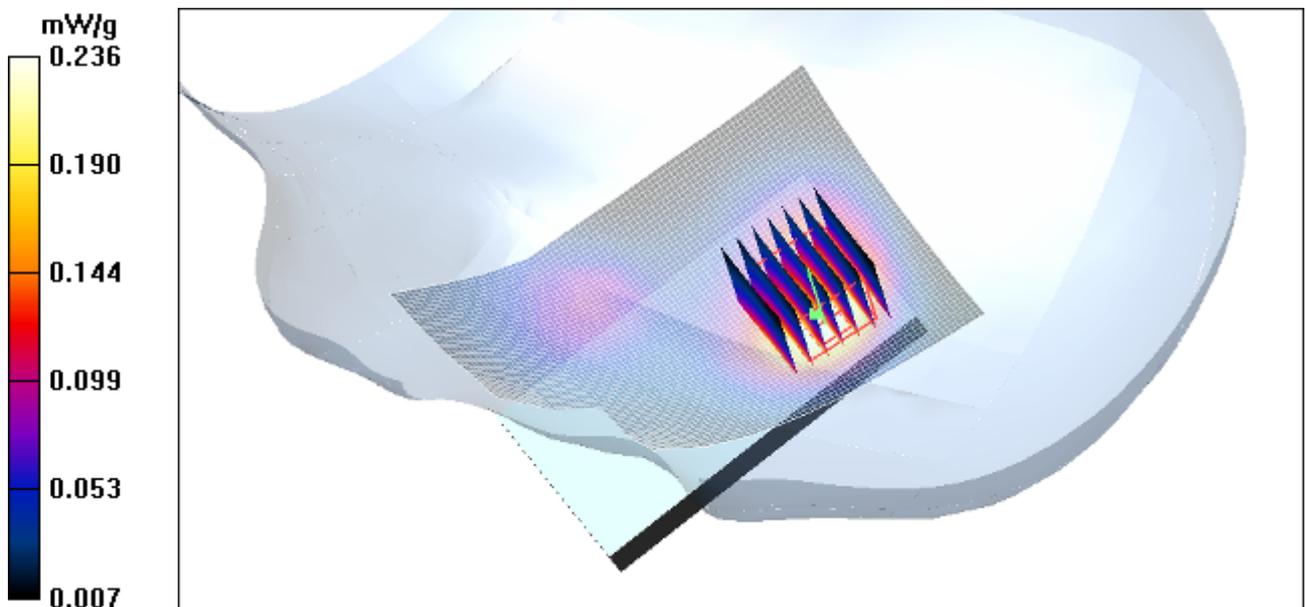


Figure 81 Left Hand Tilt 15° WCDMA Band II Channel 9400

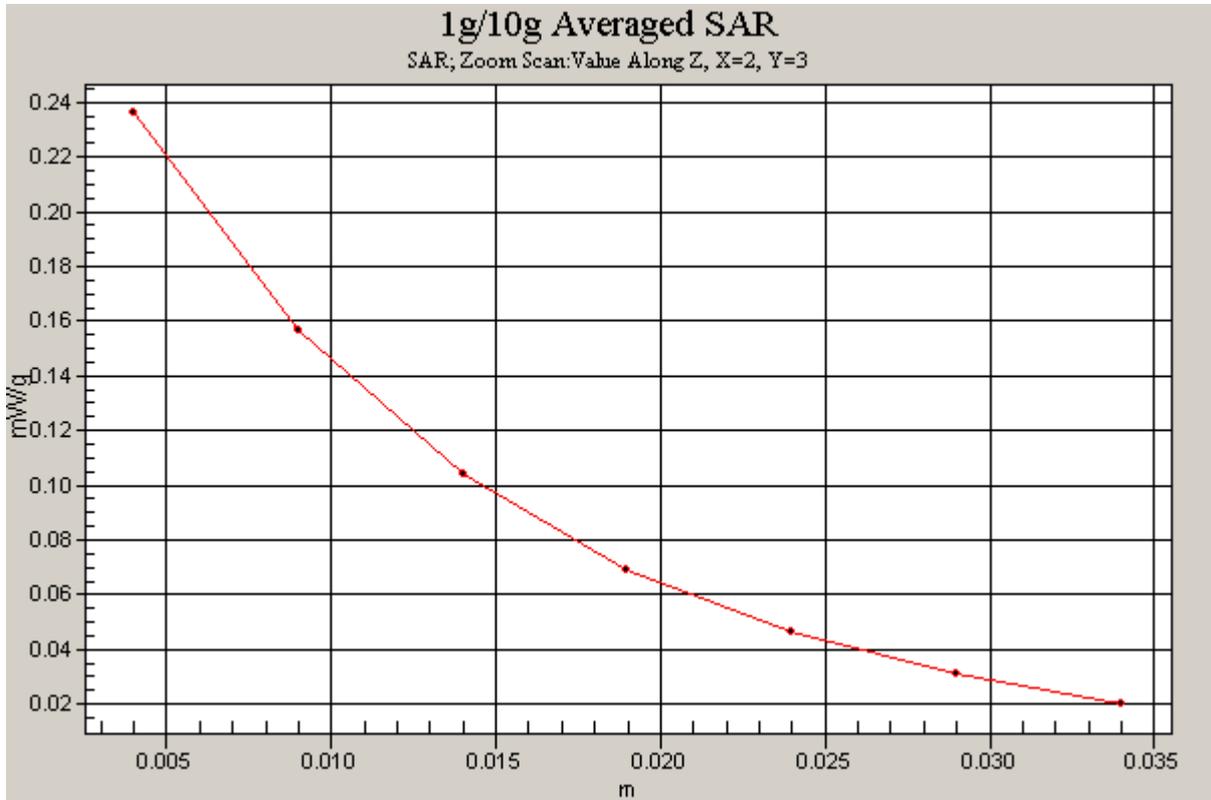


Figure 82 Z-Scan at power reference point (Left Hand Tilt 15° WCDMA Band II Channel 9400)

### WCDMA Band II Right Cheek Middle

Date/Time: 9/15/2009 3:10:28 PM

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 – SN1737; ConvF(4.89, 4.89, 4.89); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.670 mW/g

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

Reference Value = 9.88 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.810 W/kg

**SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.336 mW/g**

Maximum value of SAR (measured) = 0.584 mW/g

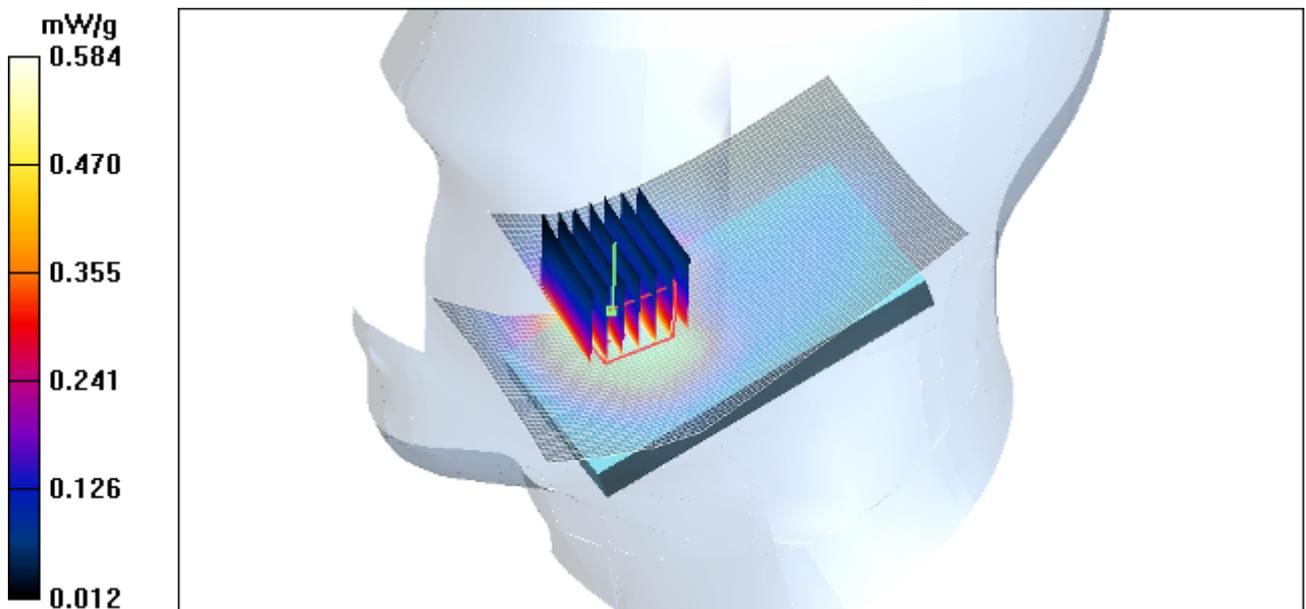


Figure 83 Right Hand Touch Cheek WCDMA Band II Channel 9400

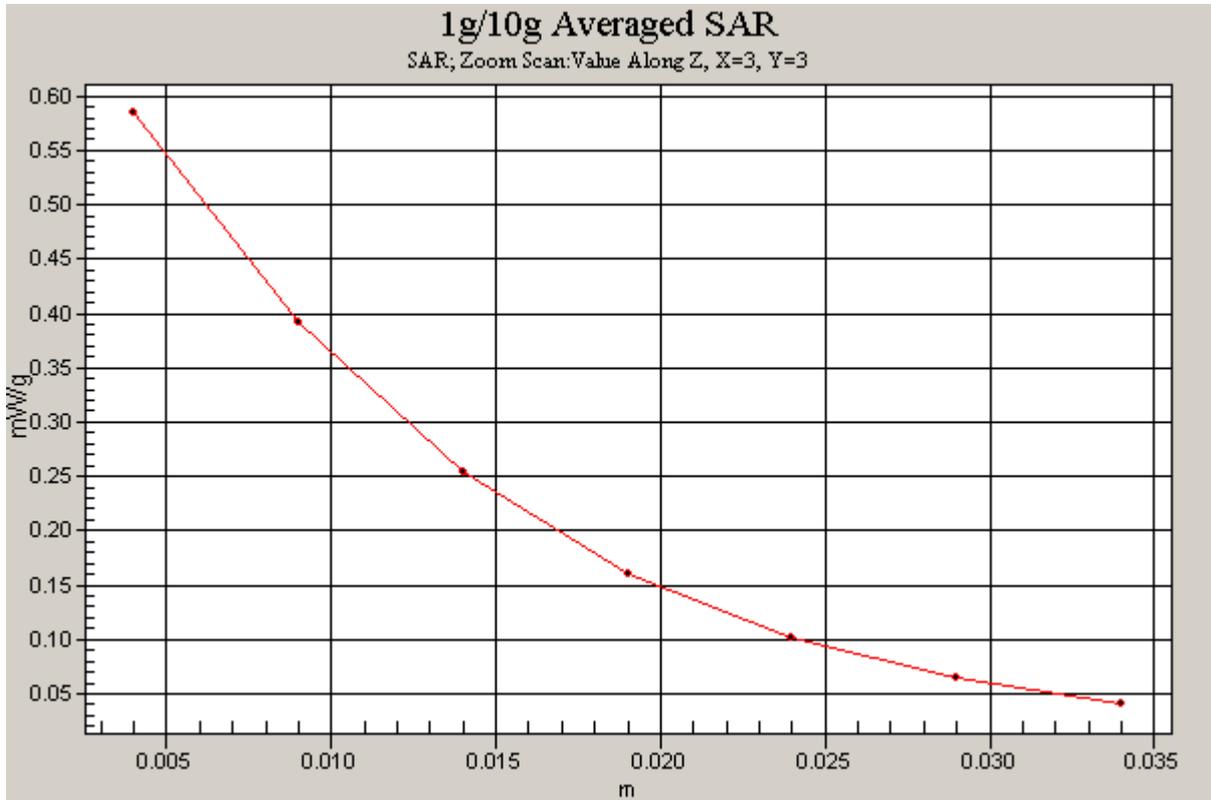


Figure 84 Z-Scan at power reference point (Right Hand Touch Cheek WCDMA Band II Channel 9400)

### WCDMA Band II Right Tilt Middle

Date/Time: 9/15/2009 3:33:56 PM

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 39.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 – SN1737; ConvF(4.89, 4.89, 4.89); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.239 mW/g

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

Reference Value = 12.7 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.295 W/kg

**SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.124 mW/g**

Maximum value of SAR (measured) = 0.216 mW/g

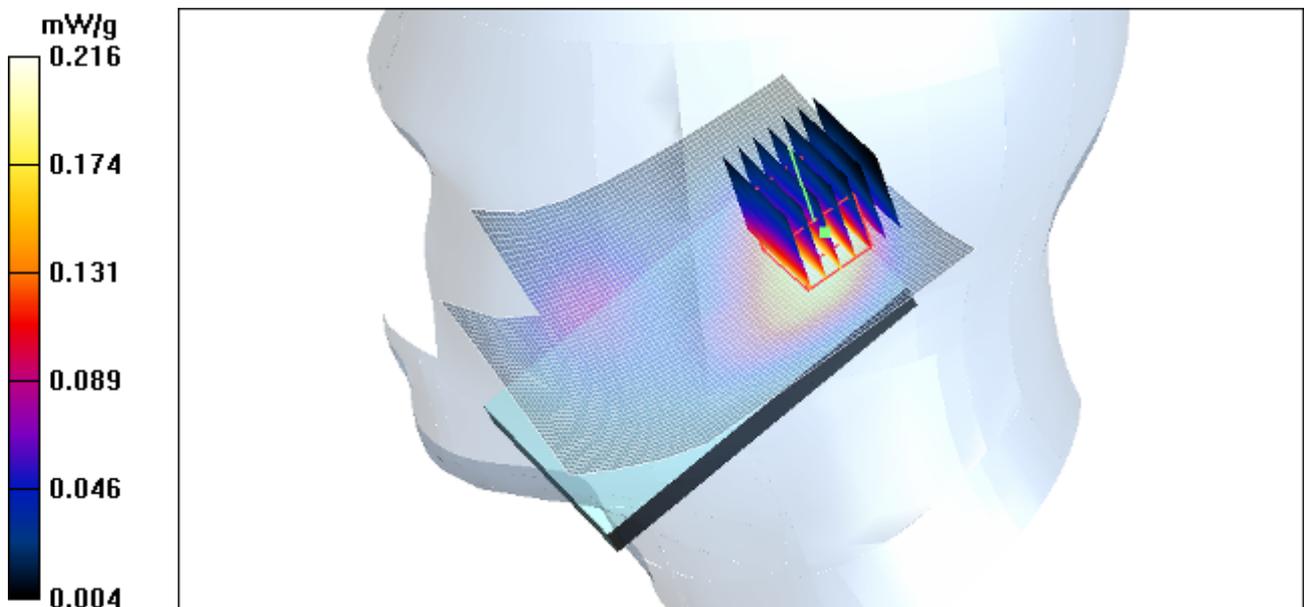


Figure 85 Right Hand Tilt 15° WCDMA Band II Channel 9400

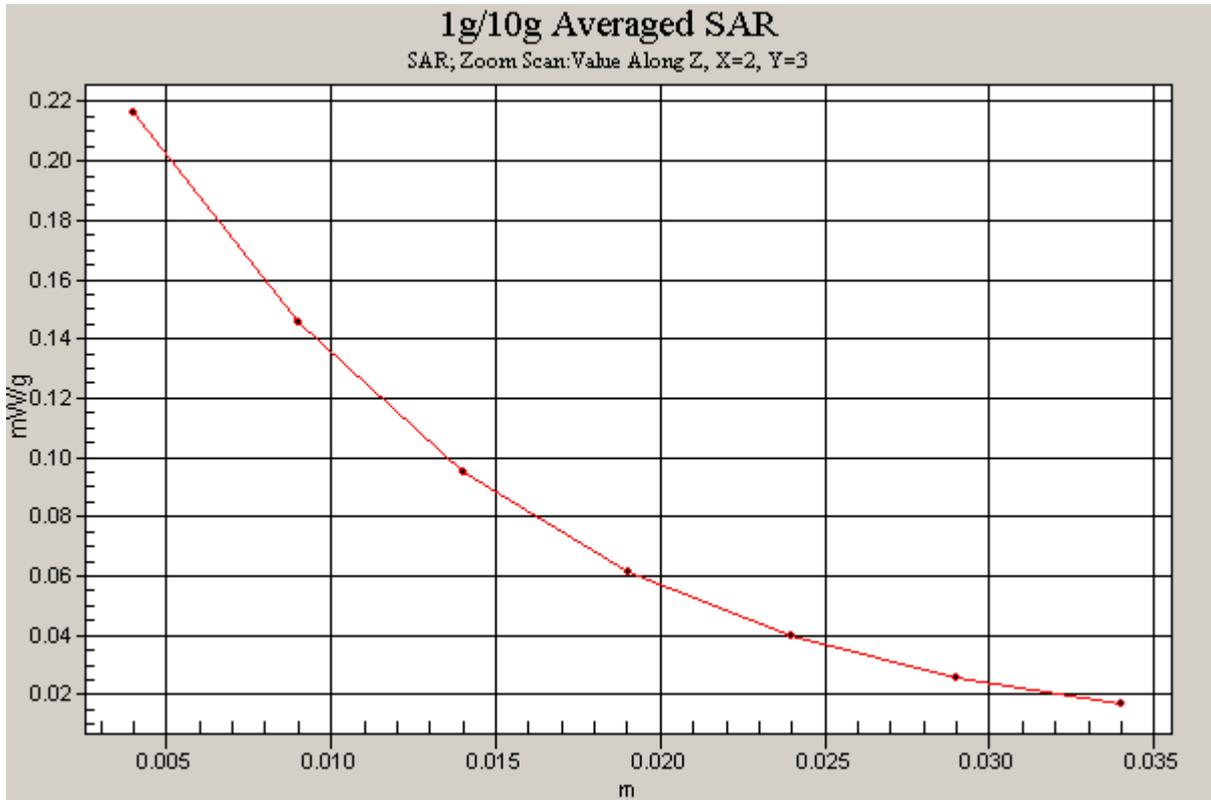


Figure 86 Z-Scan at power reference point (Right Hand Tilt 15° WCDMA Band II Channel 9400)

### WCDMA Band II Towards Ground High

Date/Time: 9/16/2009 5:11:02 AM

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

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.54$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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) = 0.492 mW/g

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

Reference Value = 11.1 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.773 W/kg

**SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.249 mW/g**

Maximum value of SAR (measured) = 0.465 mW/g

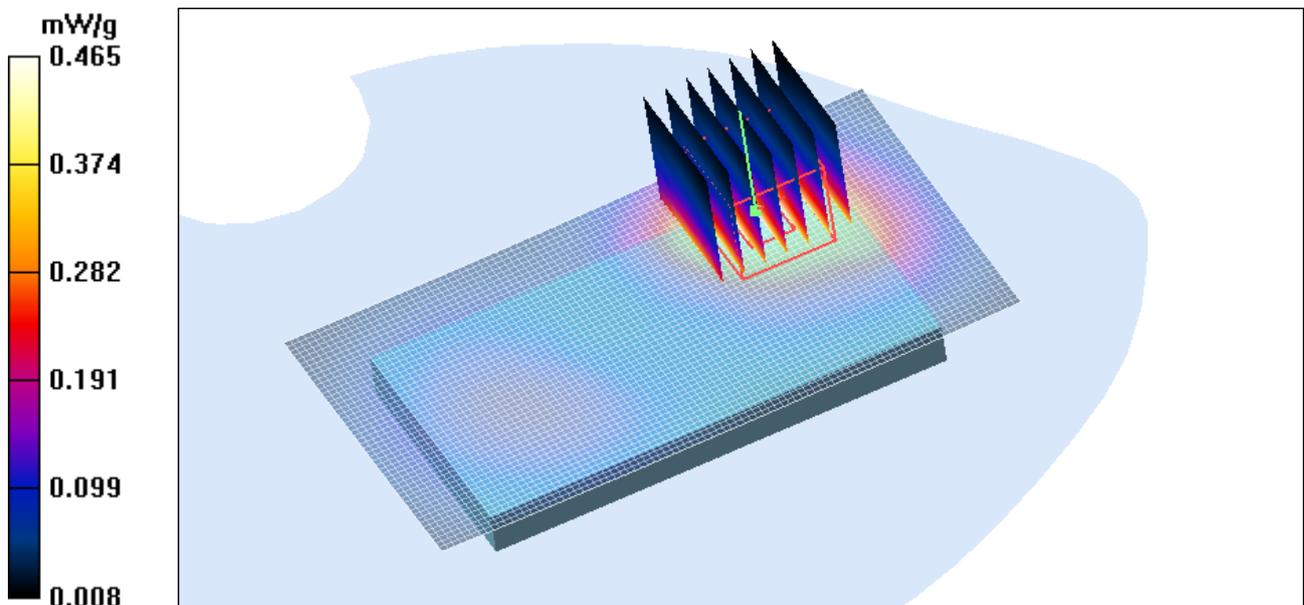


Figure 87 Body, Towards Ground, WCDMA Band II Channel 9538

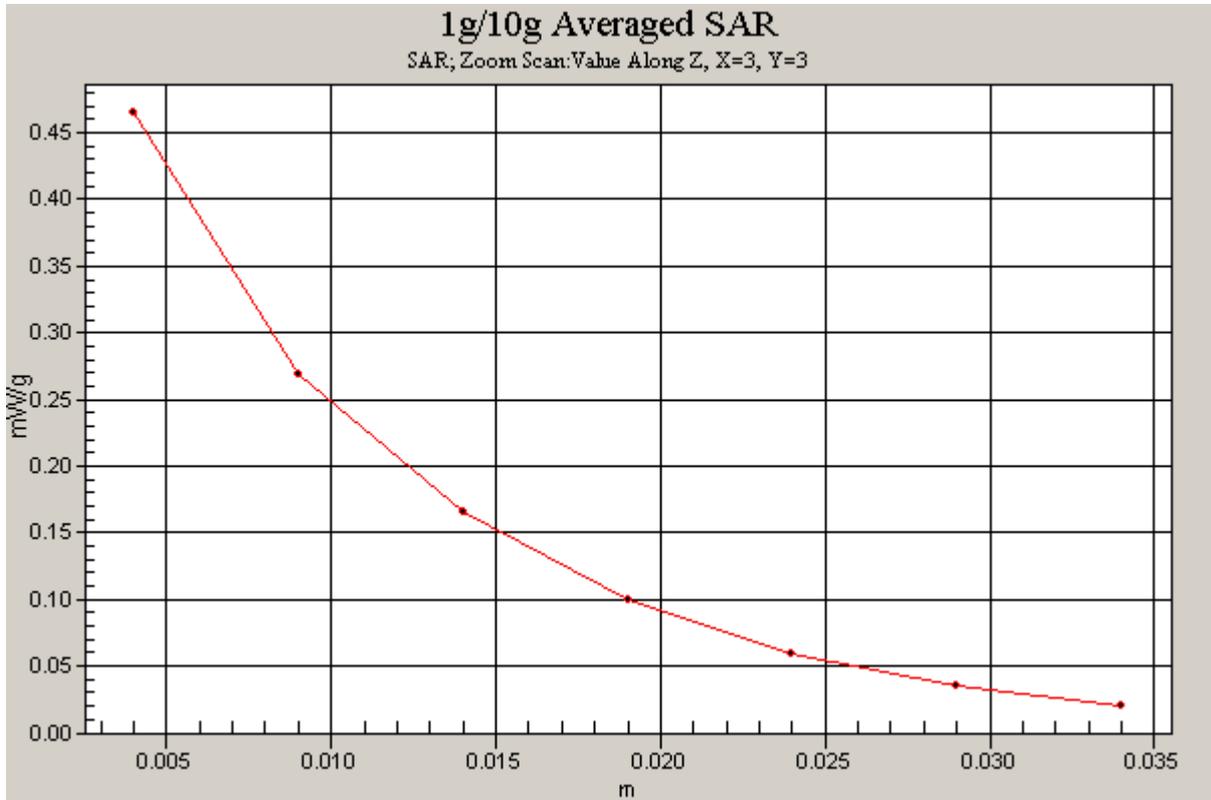


Figure 88 Z-Scan at power reference point (Body, Towards Ground, WCDMA Band II Channel 9538)

### WCDMA Band II Towards Ground Middle

Date/Time: 9/16/2009 4:53:10 AM

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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) = 0.412 mW/g

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

Reference Value = 10.5 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.576 W/kg

**SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.190 mW/g**

Maximum value of SAR (measured) = 0.353 mW/g

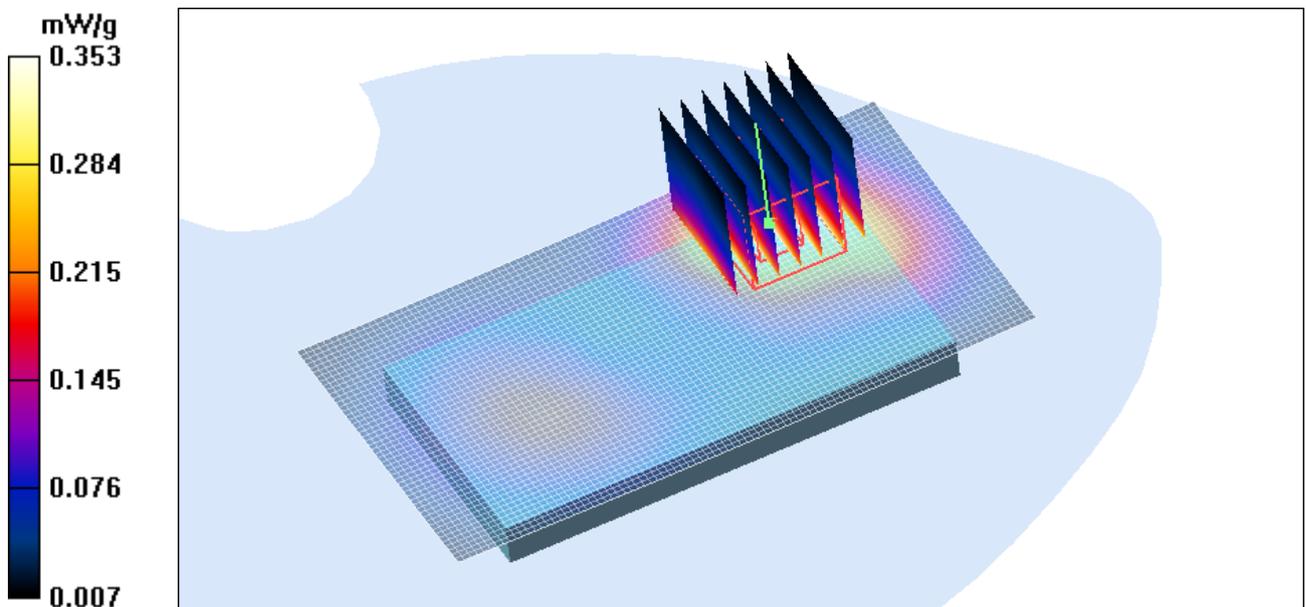


Figure 89 Body, Towards Ground, WCDMA Band II Channel 9400

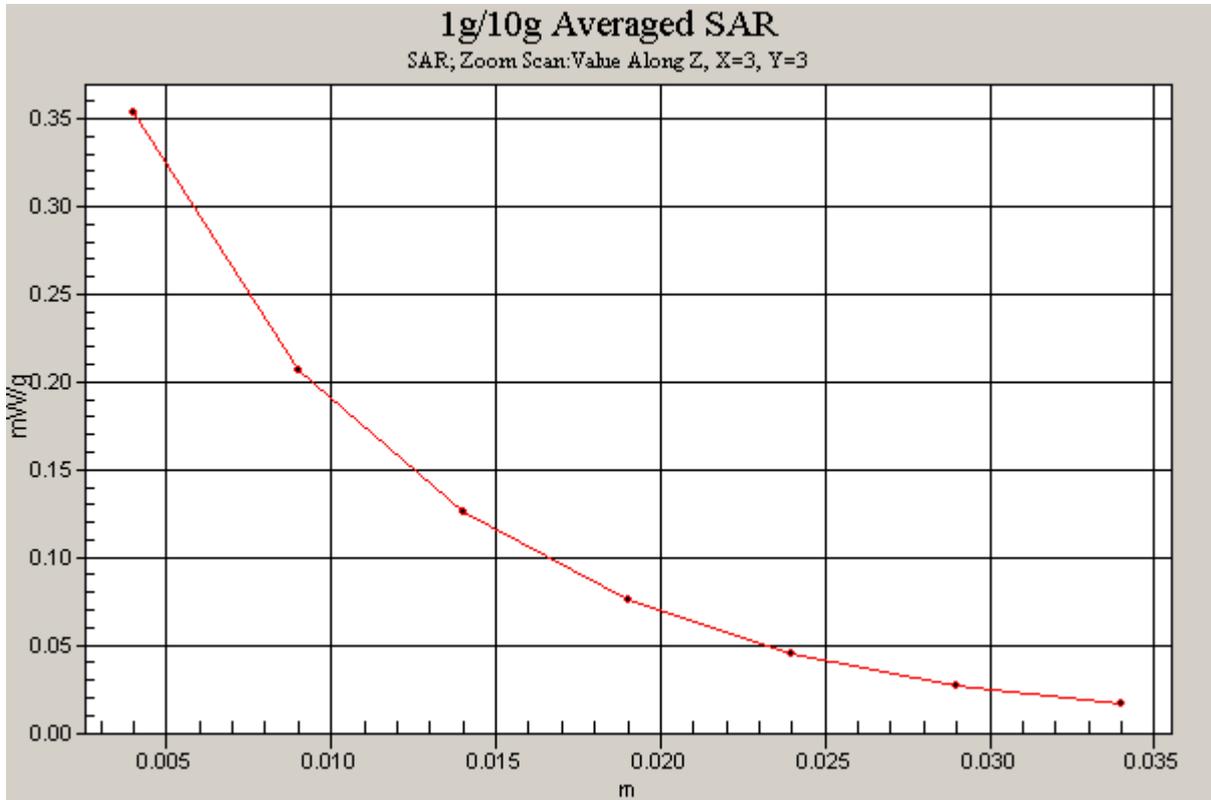


Figure 90 Z-Scan at power reference point (Body, Towards Ground, WCDMA Band II Channel 9400)

### WCDMA Band II Towards Ground Low

Date/Time: 9/16/2009 5:40:08 AM

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

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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) = 0.422 mW/g

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

Reference Value = 10.5 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.638 W/kg

**SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.212 mW/g**

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

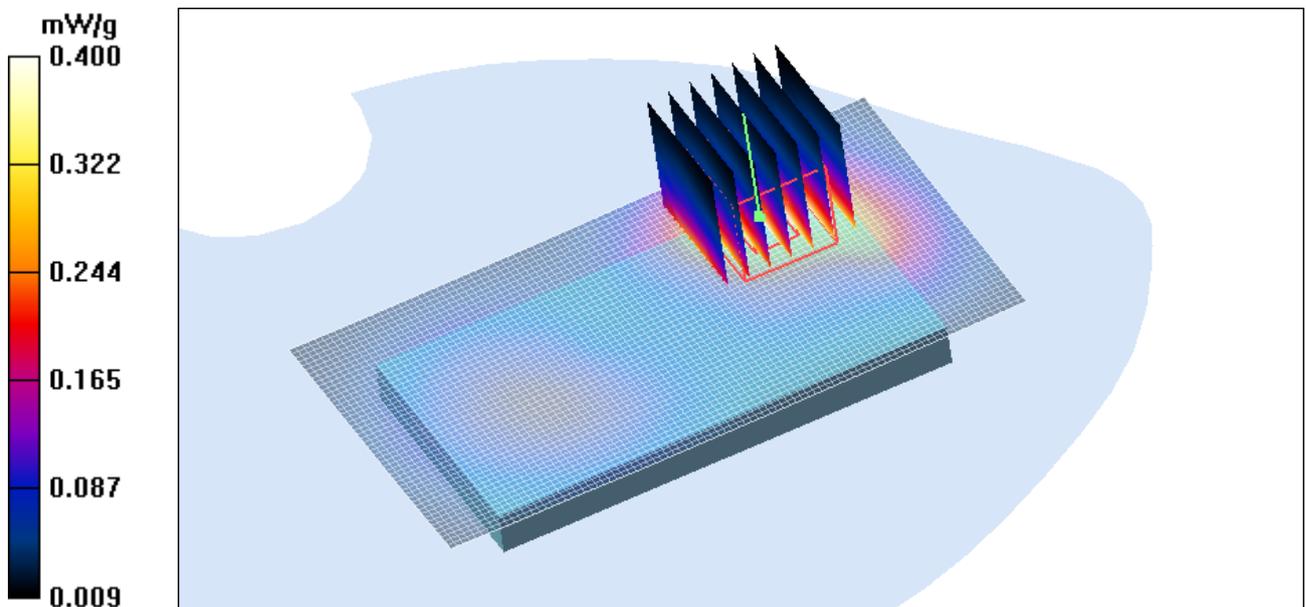


Figure 91 Body, Towards Ground, WCDMA Band II Channel 9262

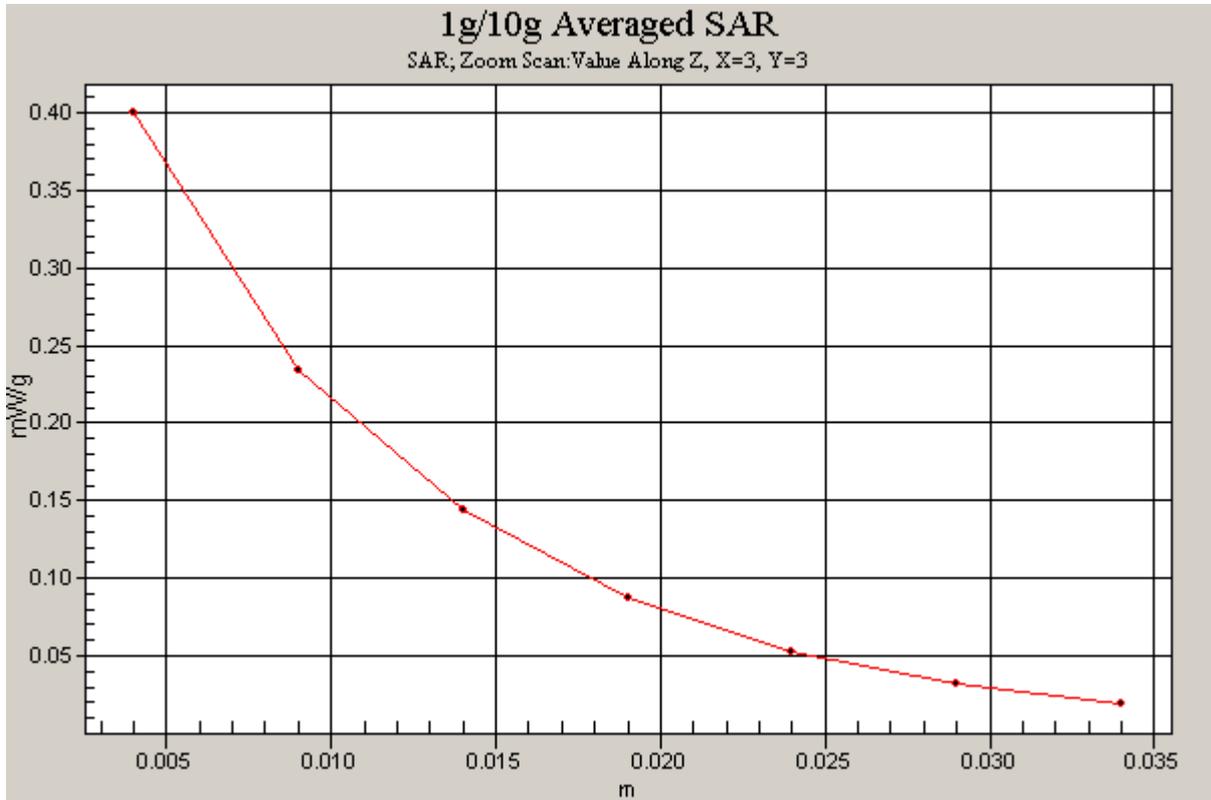


Figure 92 Z-Scan at power reference point (Body, Towards Ground, WCDMA Band II Channel 9262)

### WCDMA Band II Towards Phantom Middle

Date/Time: 9/16/2009 4:16:51 AM

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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) = 0.219 mW/g

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

Reference Value = 8.78 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 0.362 W/kg

**SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.114 mW/g**

Maximum value of SAR (measured) = 0.215 mW/g

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

Reference Value = 8.78 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 0.239 W/kg

**SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.092 mW/g**

Maximum value of SAR (measured) = 0.157 mW/g

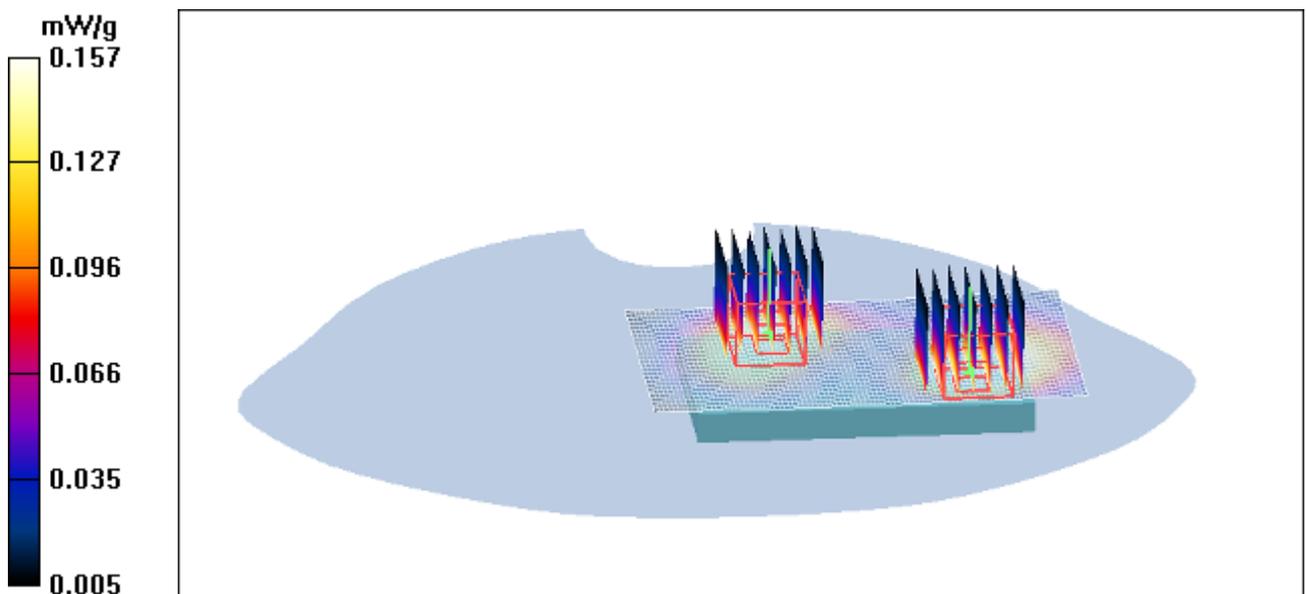


Figure 93 Body, Towards Phantom, WCDMA Band II Channel 9400

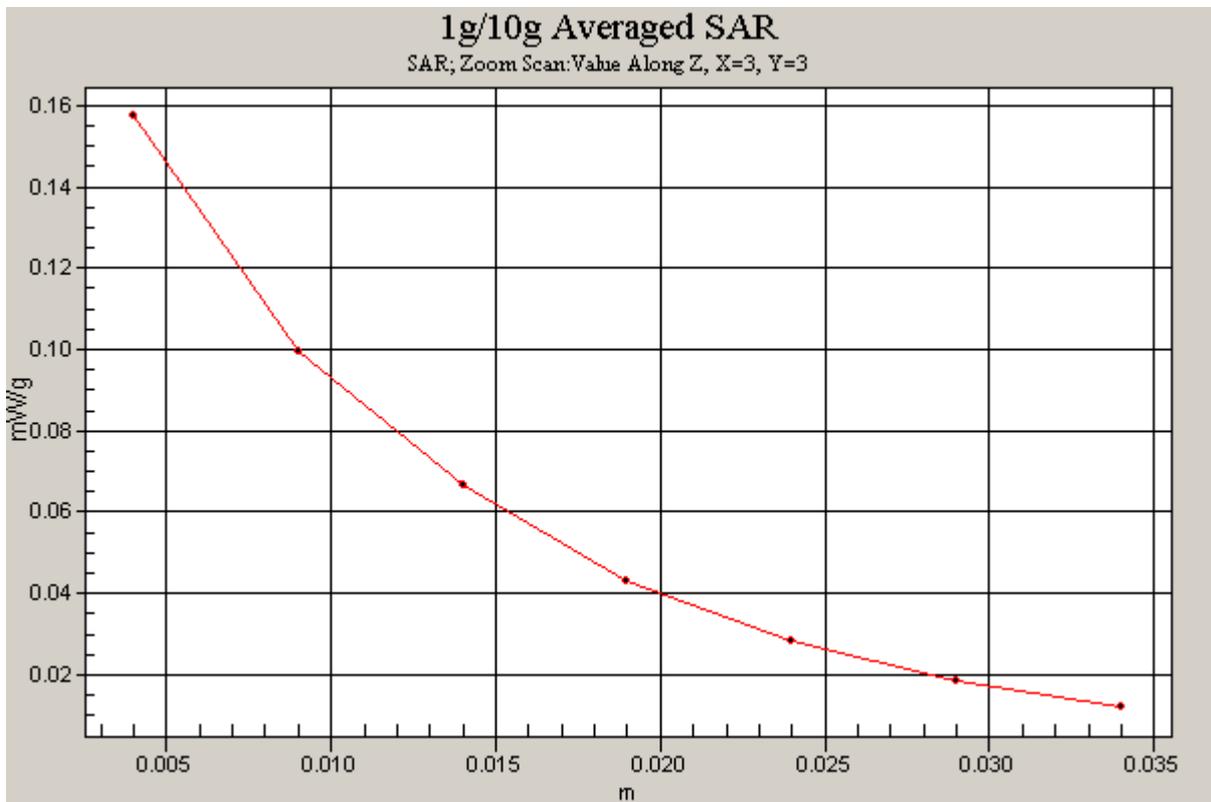
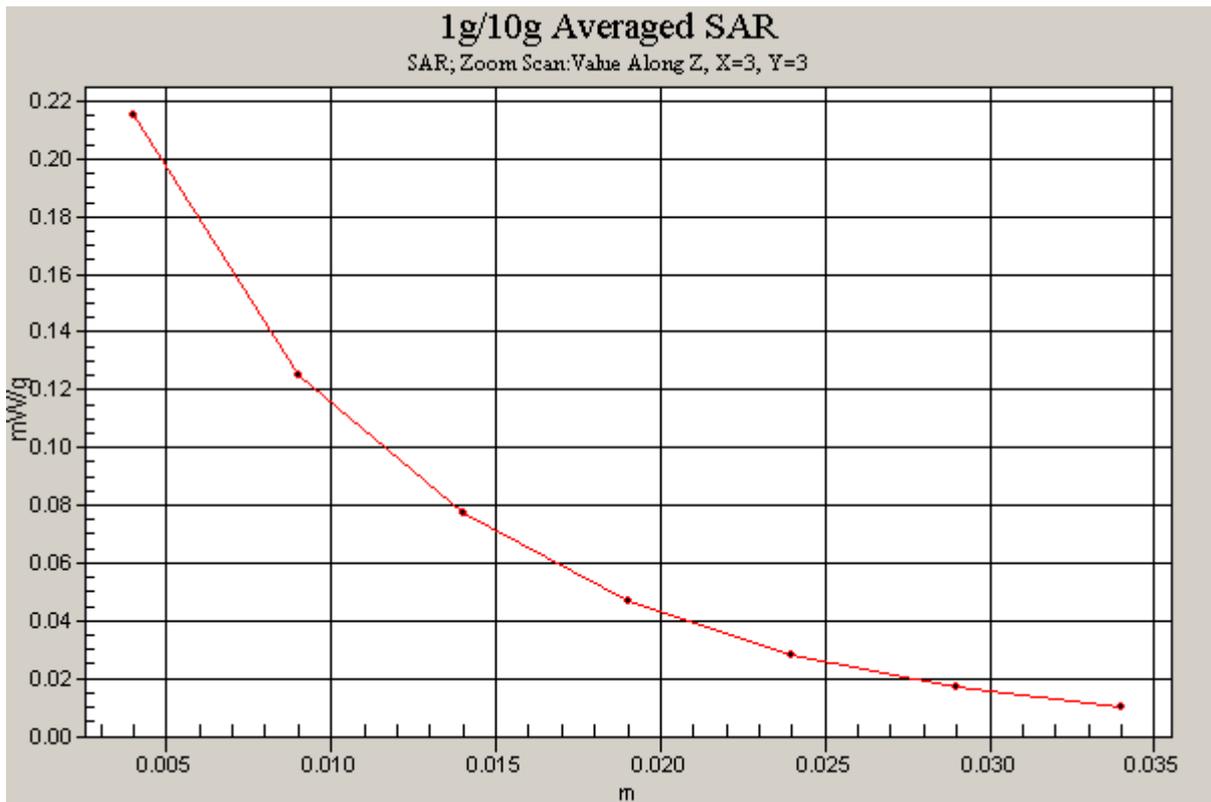


Figure 94 Z-Scan at power reference point (Body, Towards Phantom, WCDMA Band II Channel 9400)

### WCDMA Band II+HSDPA Towards Ground High

Date/Time: 9/16/2009 6:10:54 AM

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

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.54$  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

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.60, 4.60, 4.60); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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) = 0.457 mW/g

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

Reference Value = 10.4 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.642 W/kg

**SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.214 mW/g**

Maximum value of SAR (measured) = 0.393 mW/g

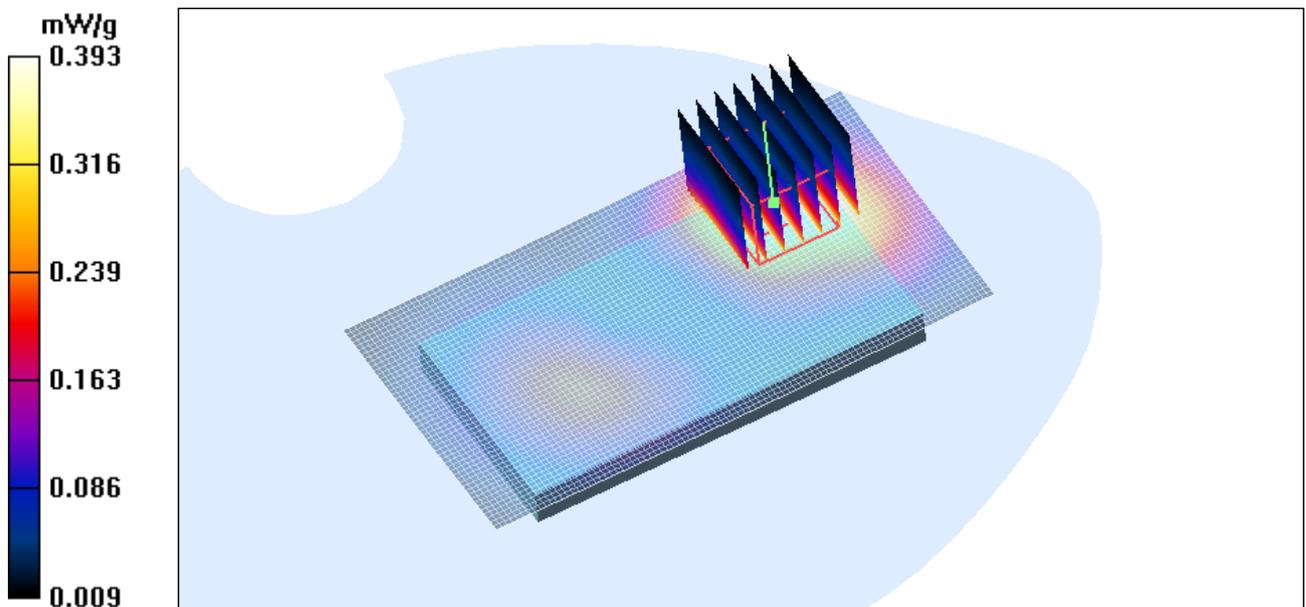


Figure 95 Body, Towards Ground, WCDMA Band II HSDPA Channel 9538

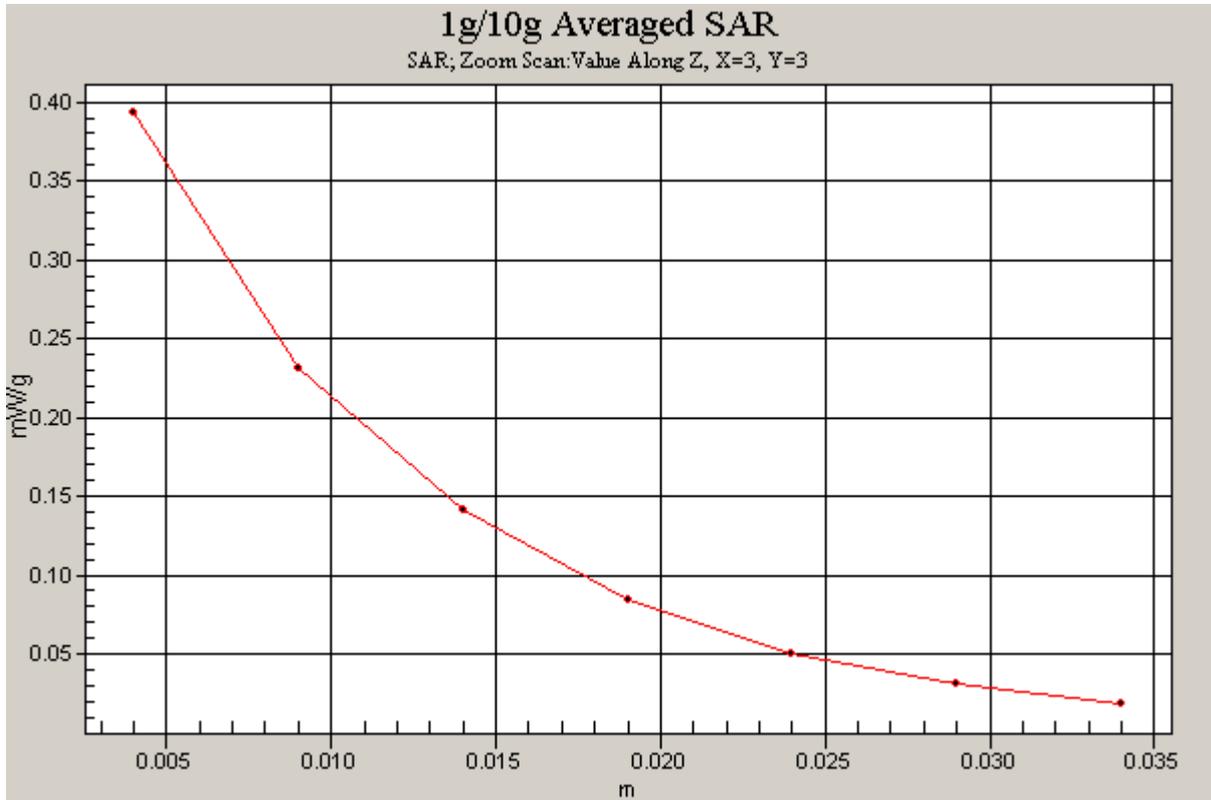


Figure 96 Z-Scan at power reference point (Body, Towards Ground, WCDMA Band II HSDPA Channel 9538)

### WCDMA Band V Left Cheek Middle

Date/Time: 9/14/2009 9:55:51 PM

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.924$  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: ET3DV6 - SN1737; ConvF(6.33, 6.33, 6.33); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.572 mW/g

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

Reference Value = 8.93 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.629 W/kg

**SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.399 mW/g**

Maximum value of SAR (measured) = 0.549 mW/g

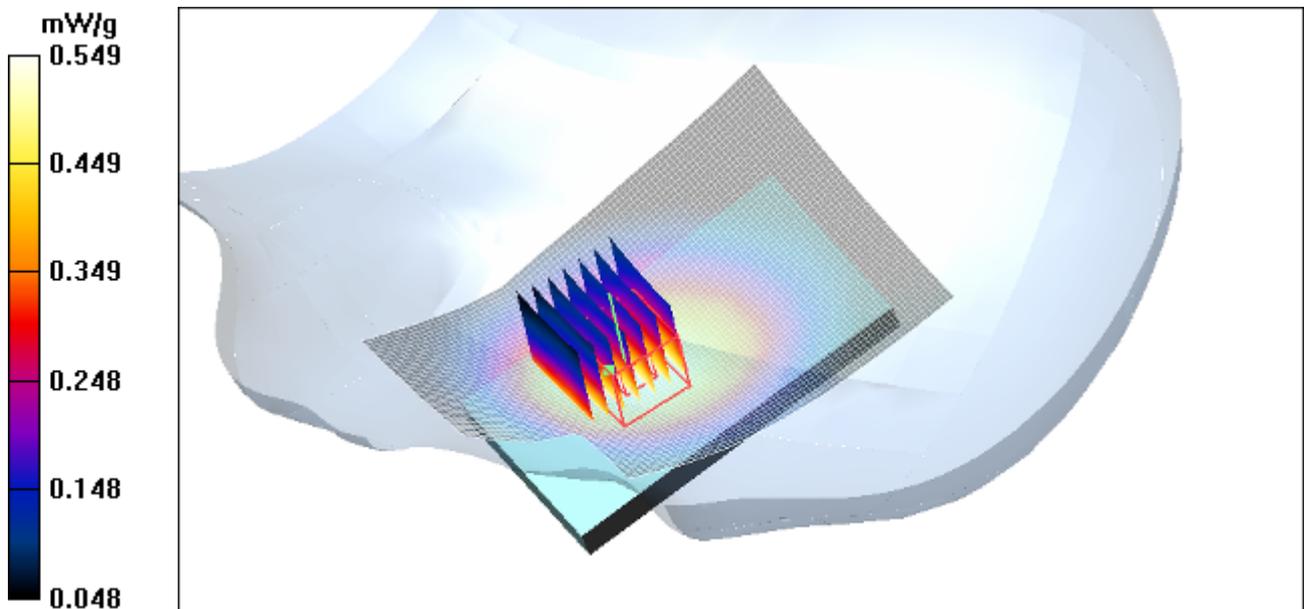


Figure 97 Left Hand Touch Cheek WCDMA Band V Channel 4183

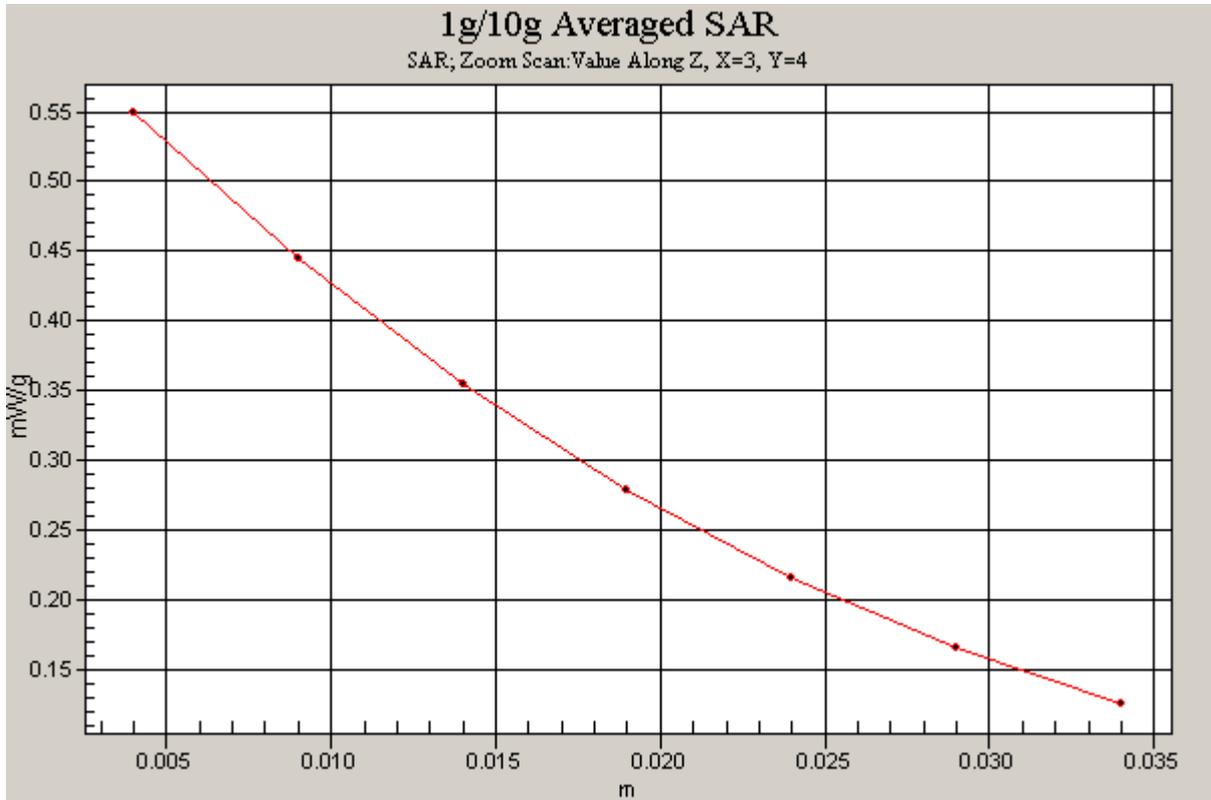


Figure 98 Z-Scan at power reference point (Left Hand Touch Cheek WCDMA Band V Channel 4183)

### WCDMA Band V Left Tilt Middle

Date/Time: 9/14/2009 10:21:09 PM

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.924$  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: ET3DV6 - SN1737; ConvF(6.33, 6.33, 6.33); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.271 mW/g

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

Reference Value = 12.3 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 0.330 W/kg

**SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.204 mW/g**

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

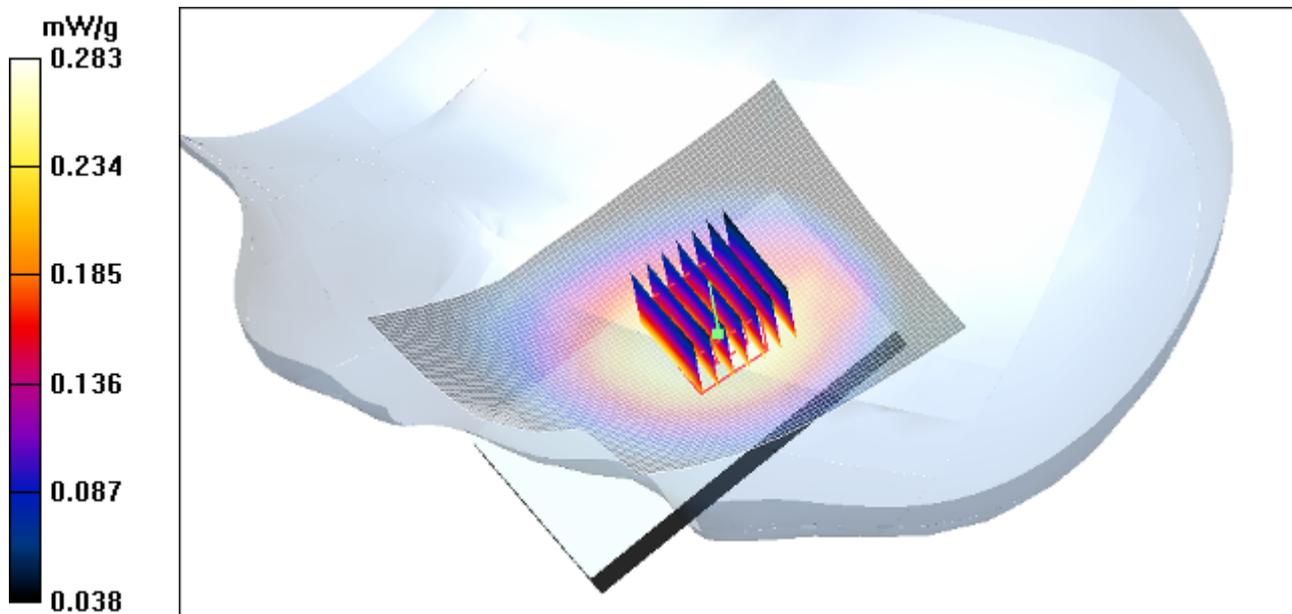


Figure 99 Left Hand Tilt 15° WCDMA Band V Channel 4183

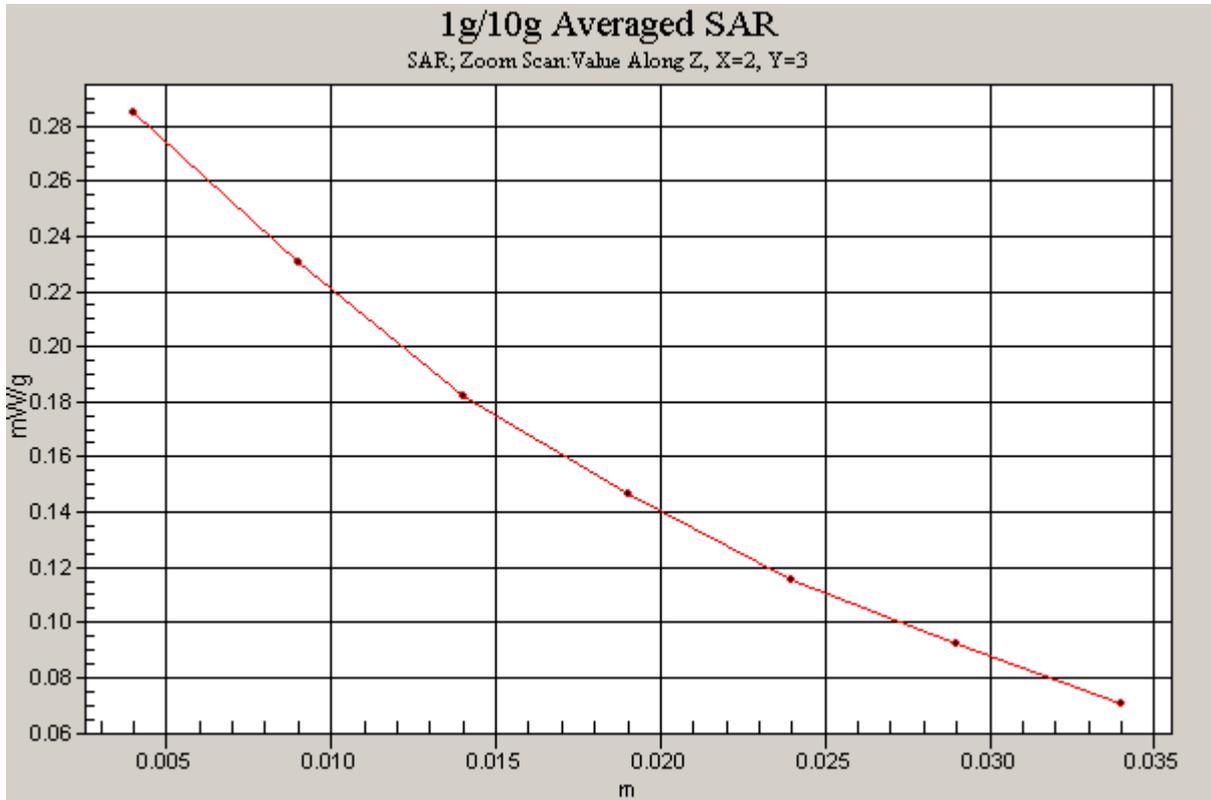


Figure 100 Z-Scan at power reference point (Left Hand Tilt 15° WCDMA Band V Channel 4183)

### WCDMA Band V Right Cheek High

Date/Time: 9/14/2009 10:51:22 PM

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

Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.934$  mho/m;  $\epsilon_r = 41.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(6.33, 6.33, 6.33); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.812 mW/g

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

Reference Value = 10.6 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.920 W/kg

**SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.563 mW/g**

Maximum value of SAR (measured) = 0.798 mW/g

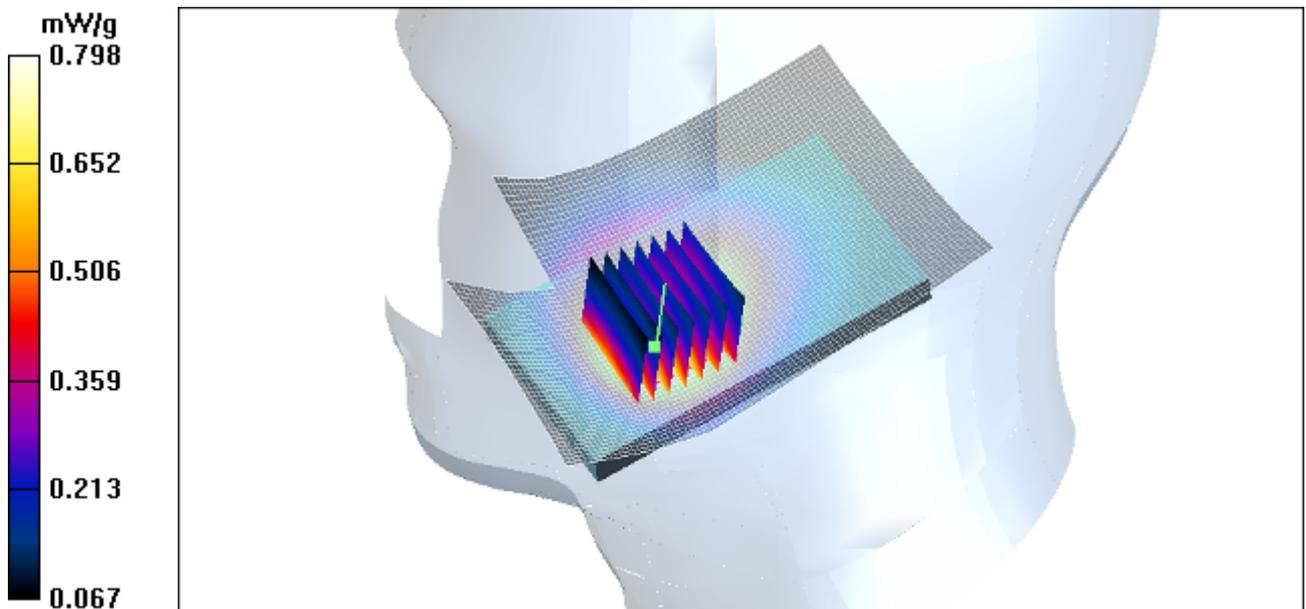


Figure 101 Right Hand Touch Cheek WCDMA Band V Channel 4233

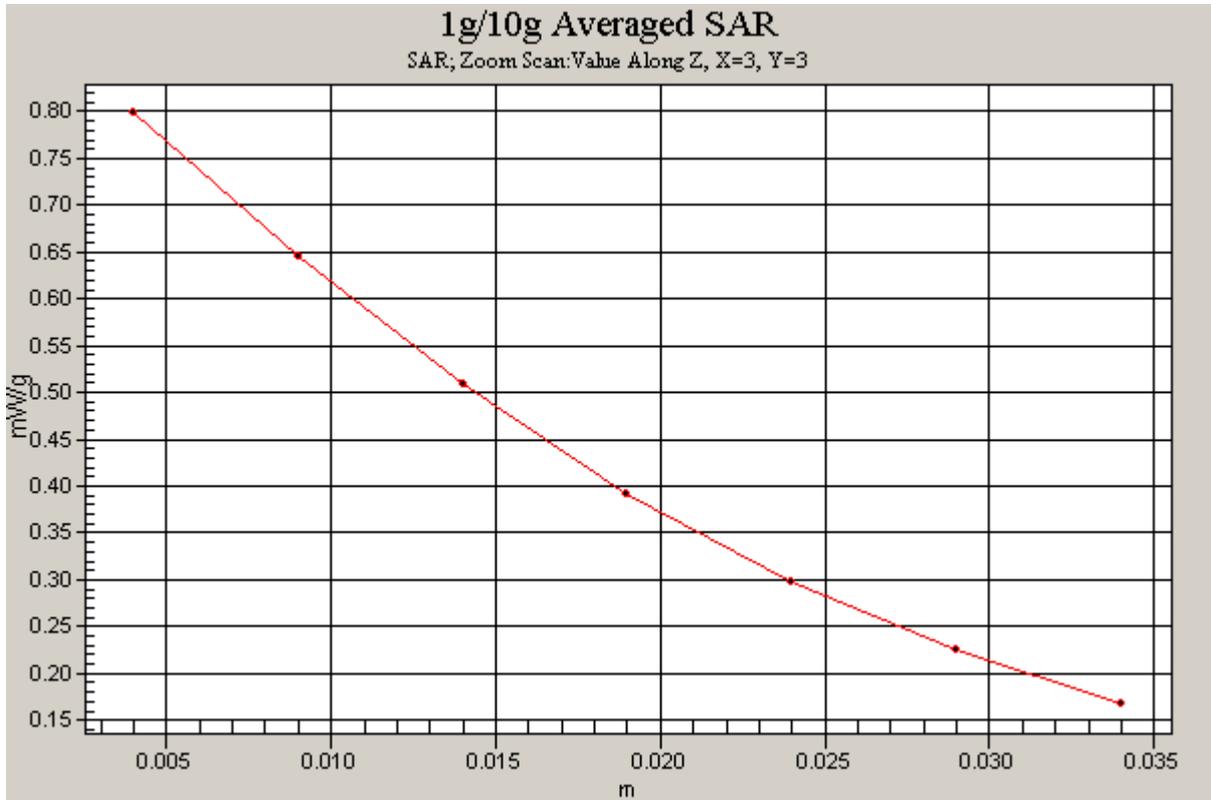


Figure 102 Z-Scan at power reference point (Right Hand Touch Cheek WCDMA Band V Channel 4233)

### WCDMA Band V Right Cheek Middle

Date/Time: 9/14/2009 8:28:05 PM

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

Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.924$  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: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(6.33, 6.33, 6.33); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 9.57 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.710 W/kg

**SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.443 mW/g**

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

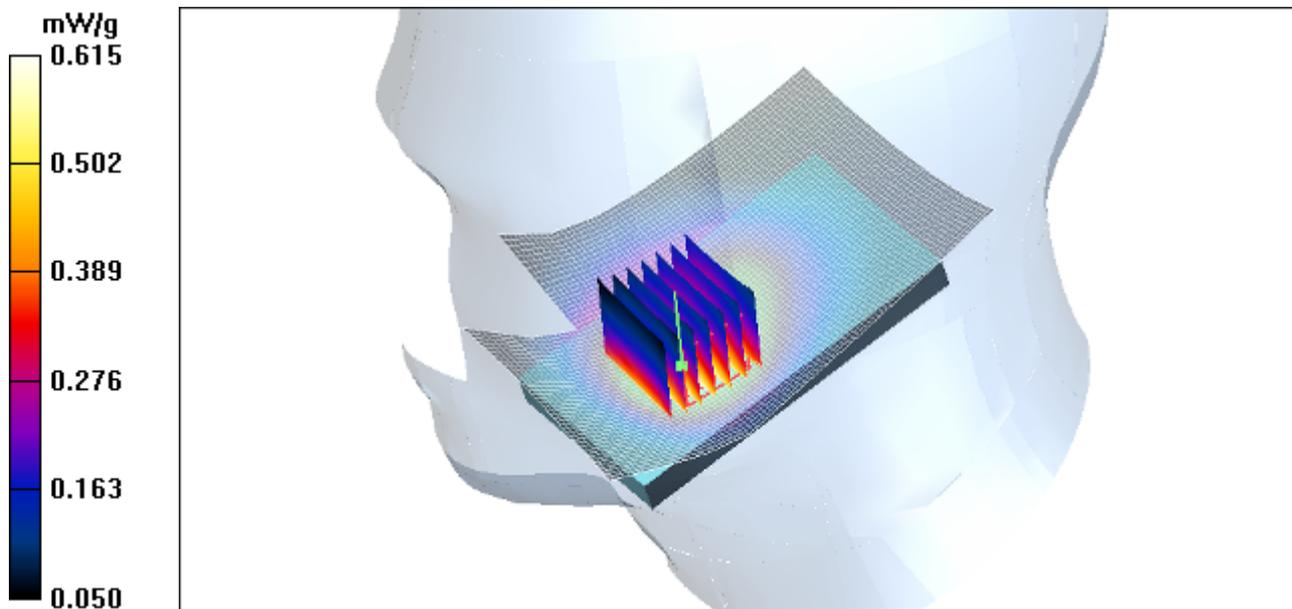


Figure 103 Right Hand Touch Cheek WCDMA Band V Channel 4183

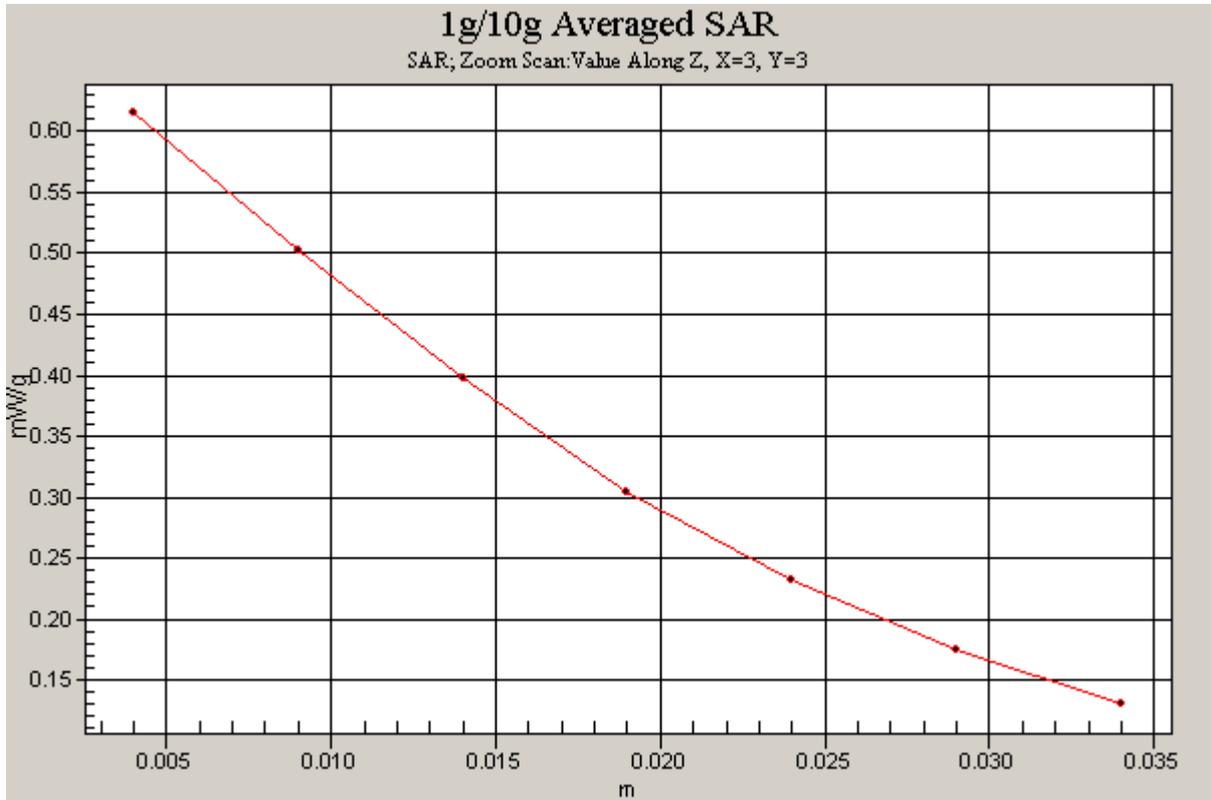


Figure 104 Z-Scan at power reference point (Right Hand Touch Cheek WCDMA Band V Channel 4183)

### WCDMA Band V Right Cheek Low

Date/Time: 9/14/2009 11:15:03 PM

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

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.909$  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: ET3DV6 - SN1737; ConvF(6.33, 6.33, 6.33); Calibrated: 11/25/2008

Electronics: DAE4 Sn452; Calibrated: 11/18/2008

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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.735 mW/g

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

Reference Value = 9.94 V/m; Power Drift = -0.178 dB

Peak SAR (extrapolated) = 0.798 W/kg

**SAR(1 g) = 0.653 mW/g; SAR(10 g) = 0.495 mW/g**

Maximum value of SAR (measured) = 0.691 mW/g

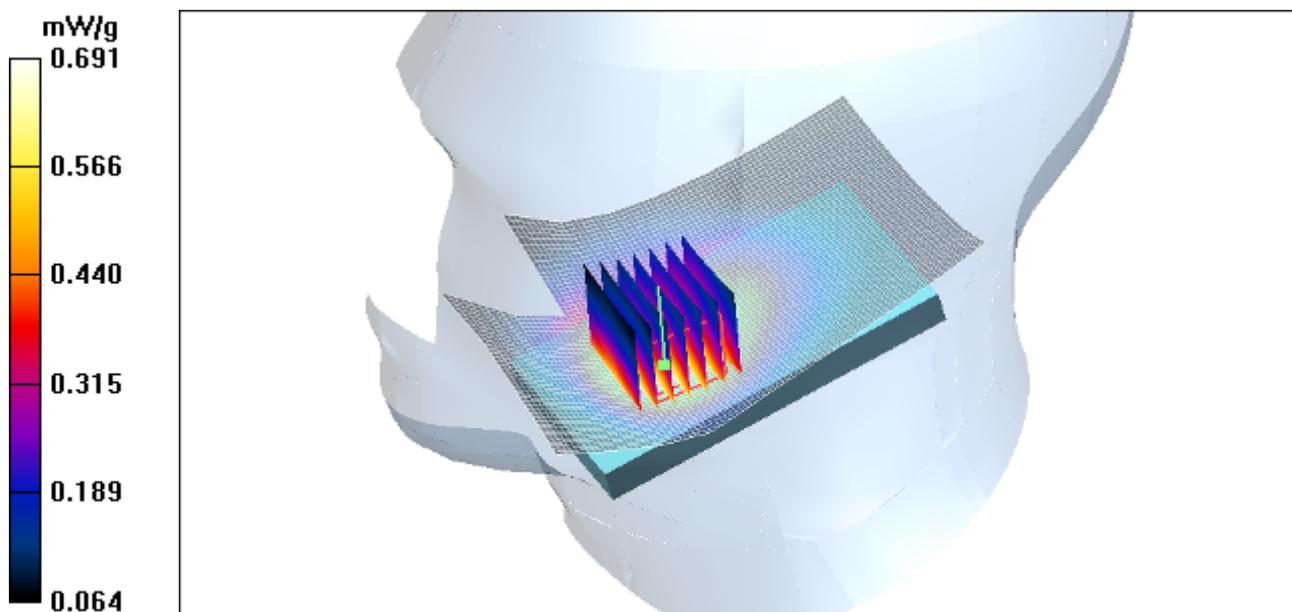


Figure 105 Right Hand Touch Cheek WCDMA Band V Channel 4132

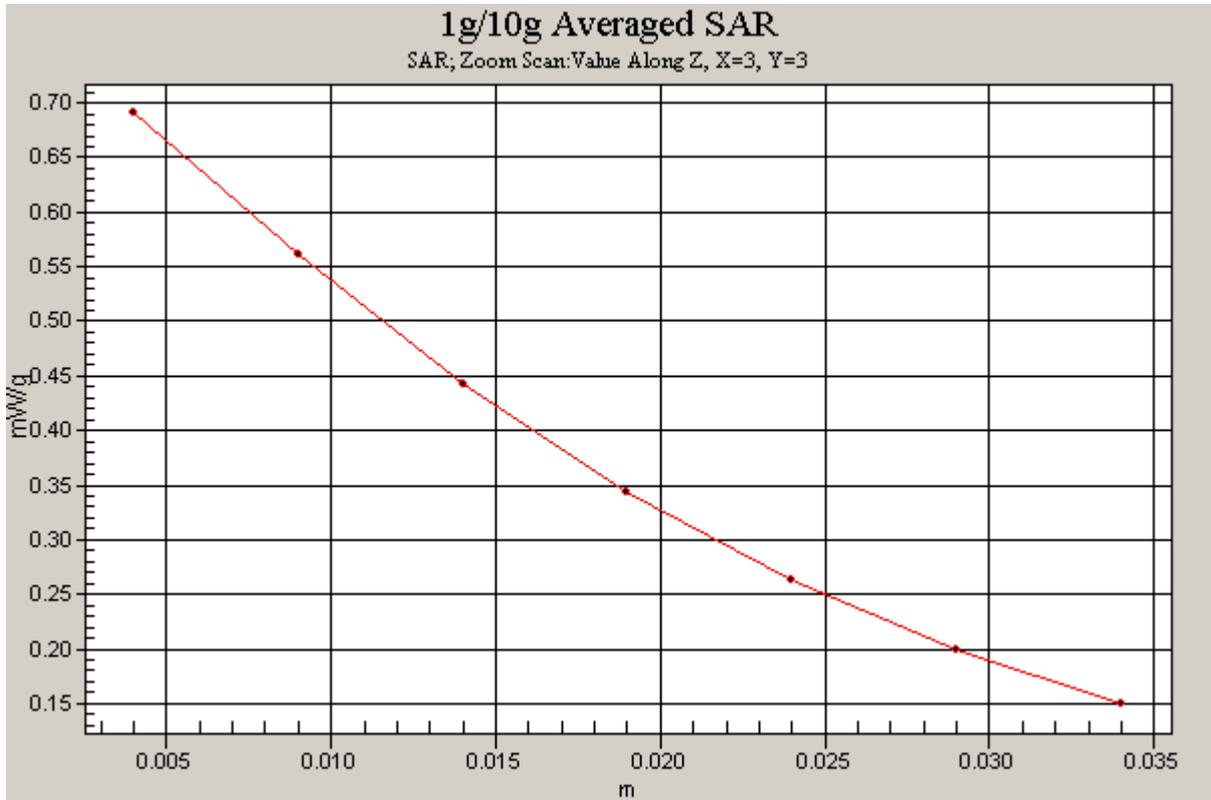


Figure 106 Z-Scan at power reference point (Right Hand Touch Cheek WCDMA Band V Channel 4132)