

GSM 850 GPRS (4 timeslots uplink) Towards Phantom Middle Slide Close

Date/Time: 6/25/2009 2:07:38 AM

Communication System: GSM850 + GPRS(4Up); Frequency: 836.6 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 837$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 55.2$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(9.1, 9.1, 9.1); Calibrated: 9/3/2008

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

Towards Phantom Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.442 mW/g

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

Reference Value = 10.0 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 0.544 W/kg

SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.296 mW/g

Maximum value of SAR (measured) = 0.432 mW/g

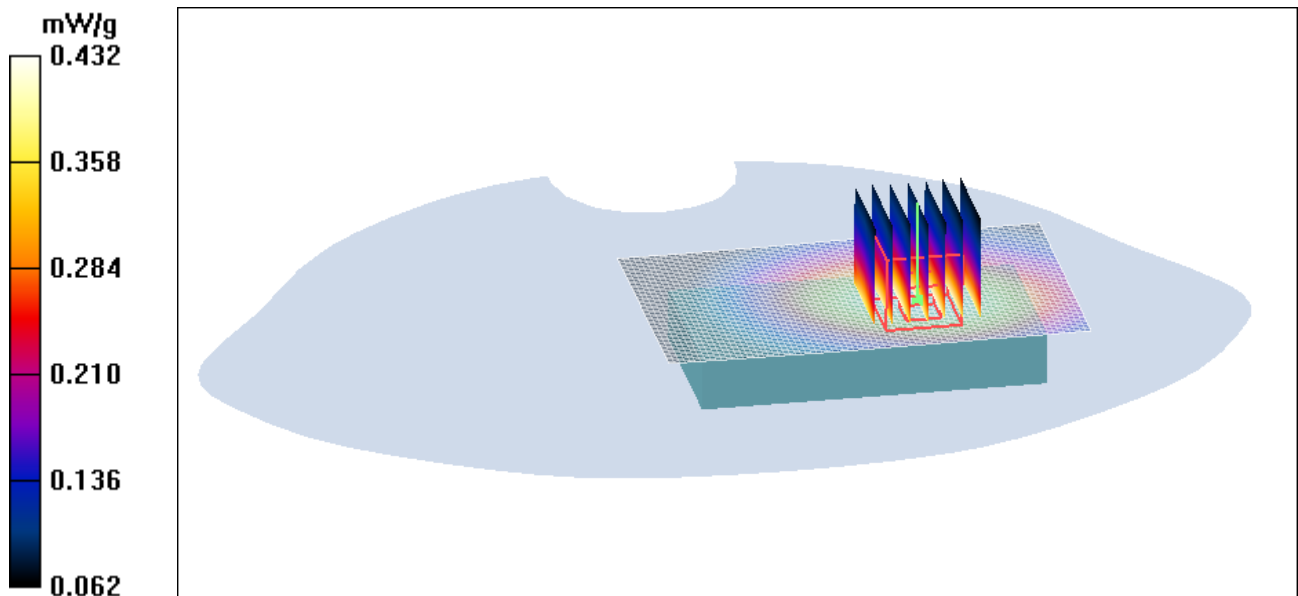


Figure 73 Body, Towards Phantom, Slide Close GSM 850 GPRS (4 timeslots uplink) Channel 190

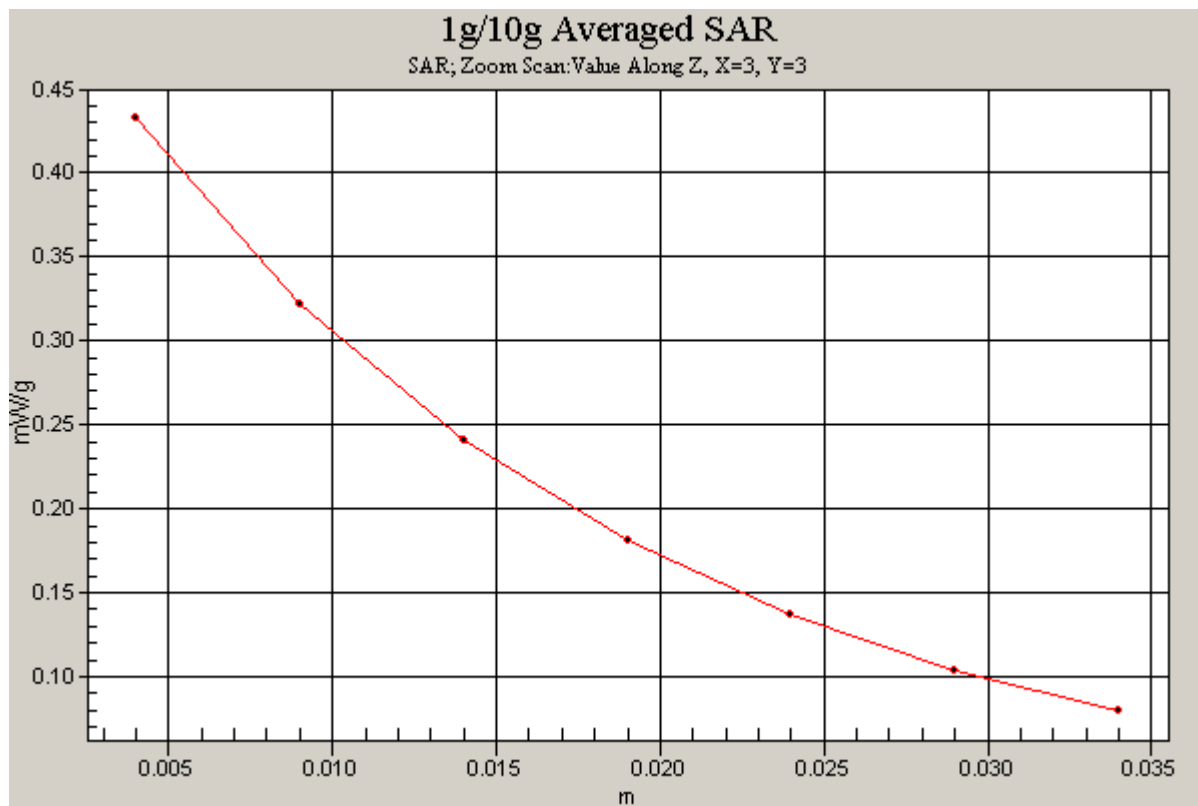


Figure 74 Z-Scan at power reference point [Body, Towards Phantom, Slide Close GSM 850 GPRS (4 timeslots uplink) Channel 190]

GSM 1900 Left Cheek Middle Slide Open

Date/Time: 6/13/2009 1:12:41 PM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.469 mW/g

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

Reference Value = 6.85 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.571 W/kg

SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.242 mW/g

Maximum value of SAR (measured) = 0.470 mW/g

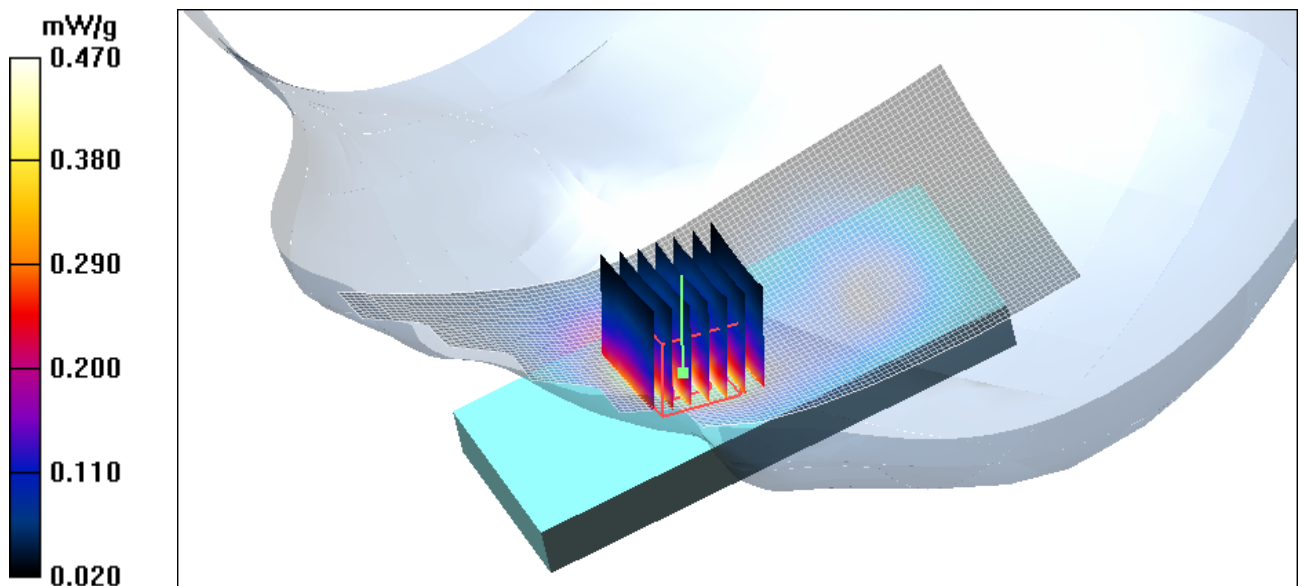


Figure 75 Left Hand Touch Cheek Slide Open GSM 1900 Channel 661

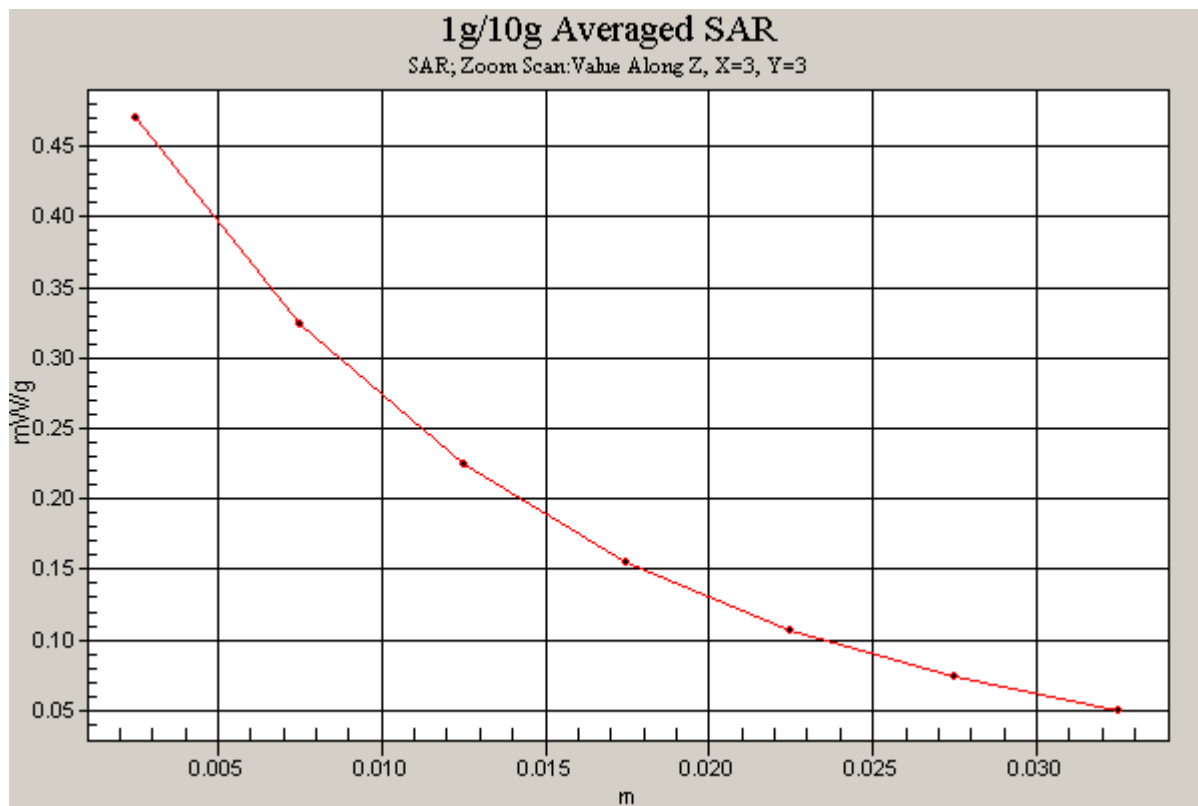


Figure 76 Z-Scan at power reference point (Left Hand Touch Cheek Slide Open GSM 1900 Channel 661)

GSM 1900 Left Tilt Middle Slide Open

Date/Time: 6/13/2009 1:33:21 PM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.355 mW/g

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

Reference Value = 9.64 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.380 W/kg

SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.151 mW/g

Maximum value of SAR (measured) = 0.302 mW/g

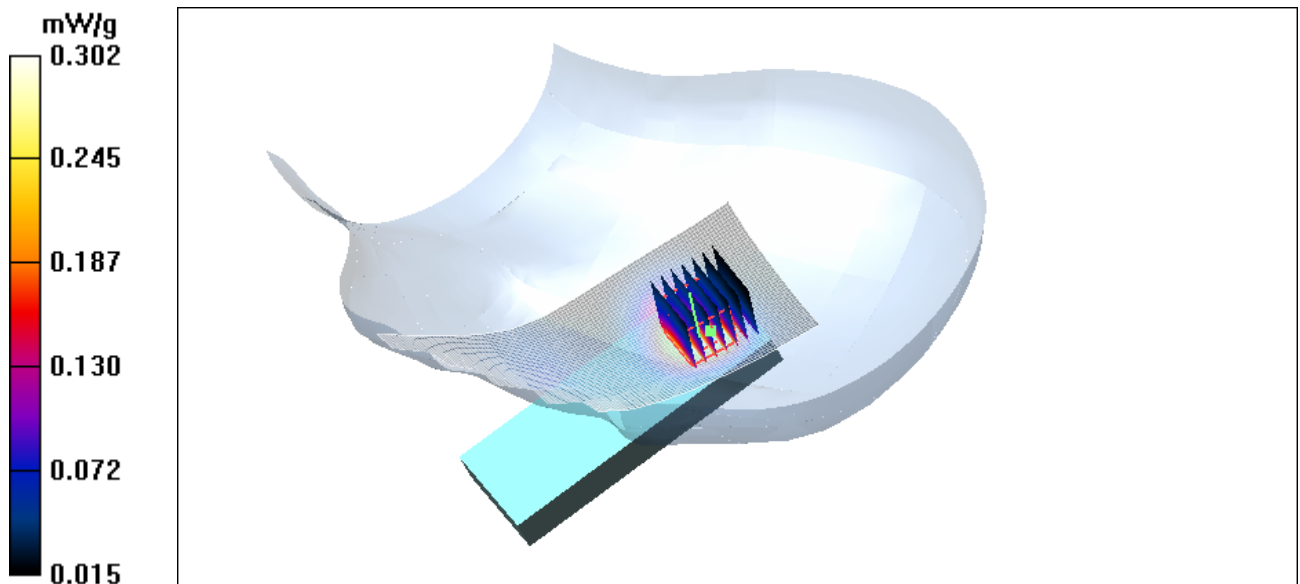


Figure 77 Left Hand Tilt 15° Slide Open GSM 1900 Channel 661

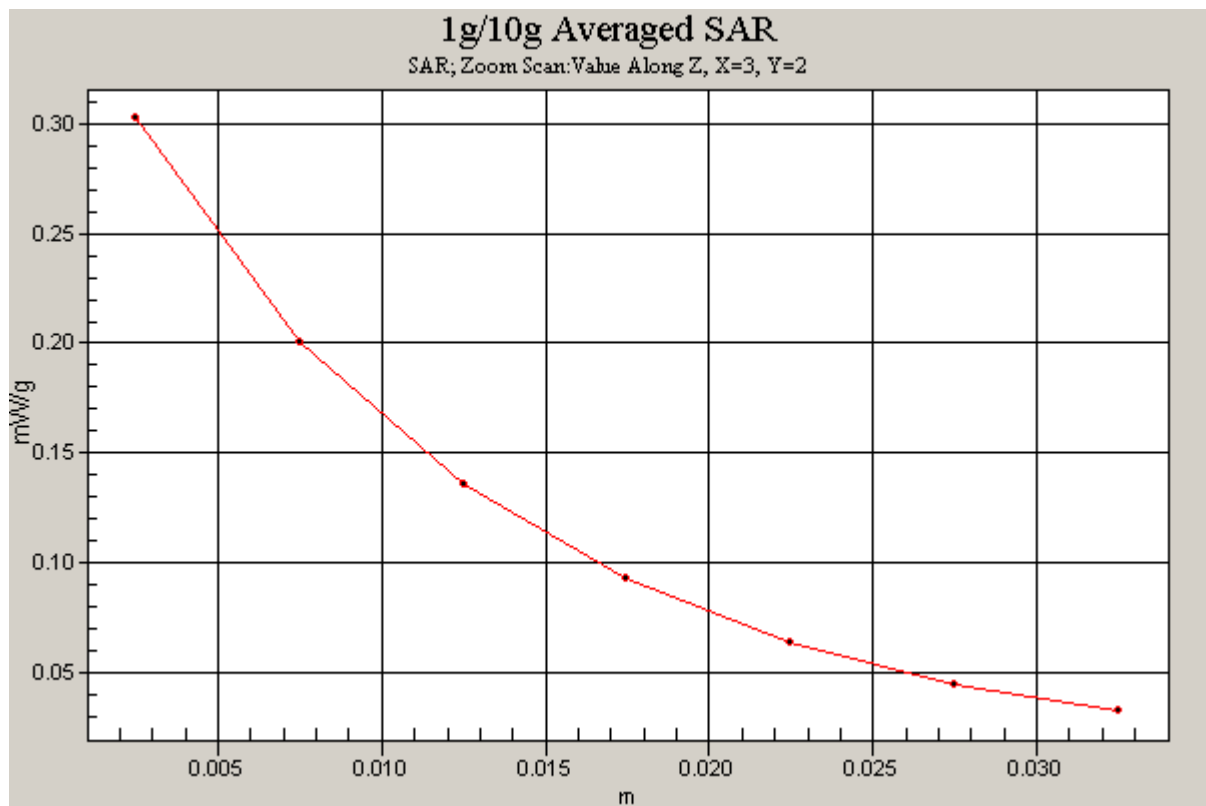


Figure 78 Z-Scan at power reference point (Left Hand Tilt 15° Slide Open GSM 1900 Channel 661)

GSM 1900 Right Cheek High Slide Open

Date/Time: 6/13/2009 1:53:26 PM

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

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.668 mW/g

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

Reference Value = 6.76 V/m; Power Drift = -0.070 dB

Peak SAR (extrapolated) = 0.805 W/kg

SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.303 mW/g

Maximum value of SAR (measured) = 0.641 mW/g

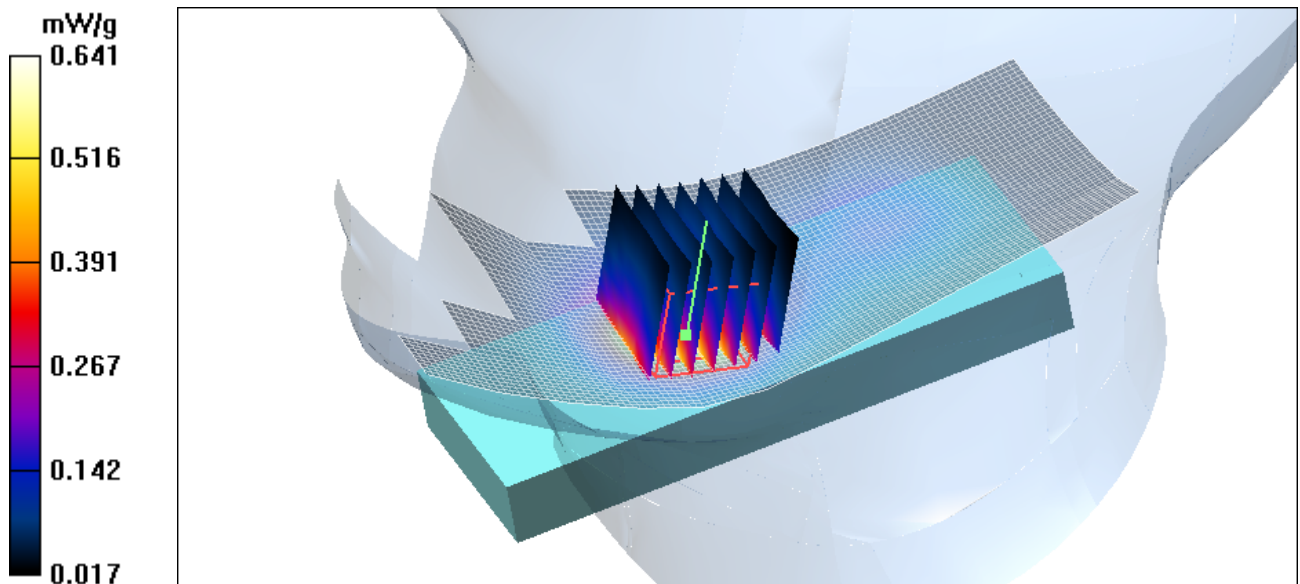


Figure 79 Right Hand Touch Cheek Slide Open GSM 1900 Channel 810

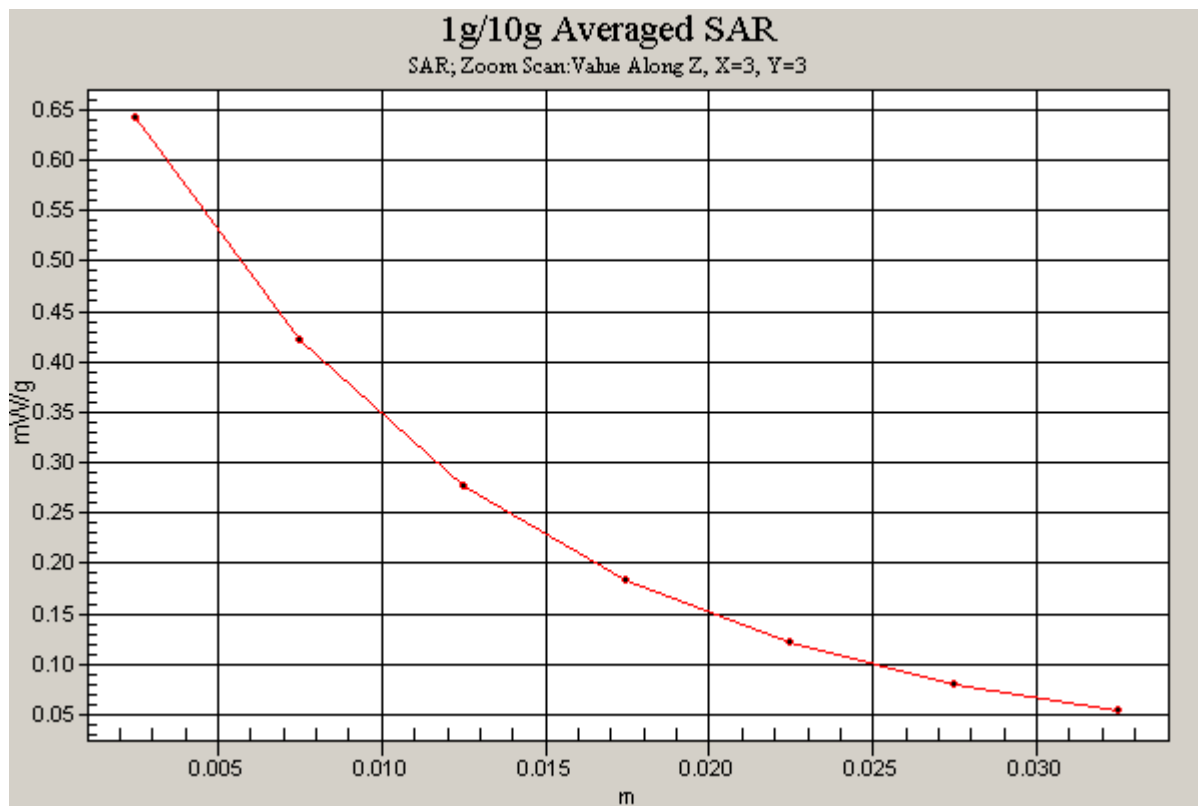


Figure 80 Z-Scan at power reference point (Right Hand Touch Cheek Slide Open GSM 1900 Channel 810)

GSM 1900 Right Cheek Middle Slide Open

Date/Time: 6/13/2009 12:18:16 PM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.666 mW/g

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

Reference Value = 6.58 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.816 W/kg

SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.311 mW/g

Maximum value of SAR (measured) = 0.651 mW/g

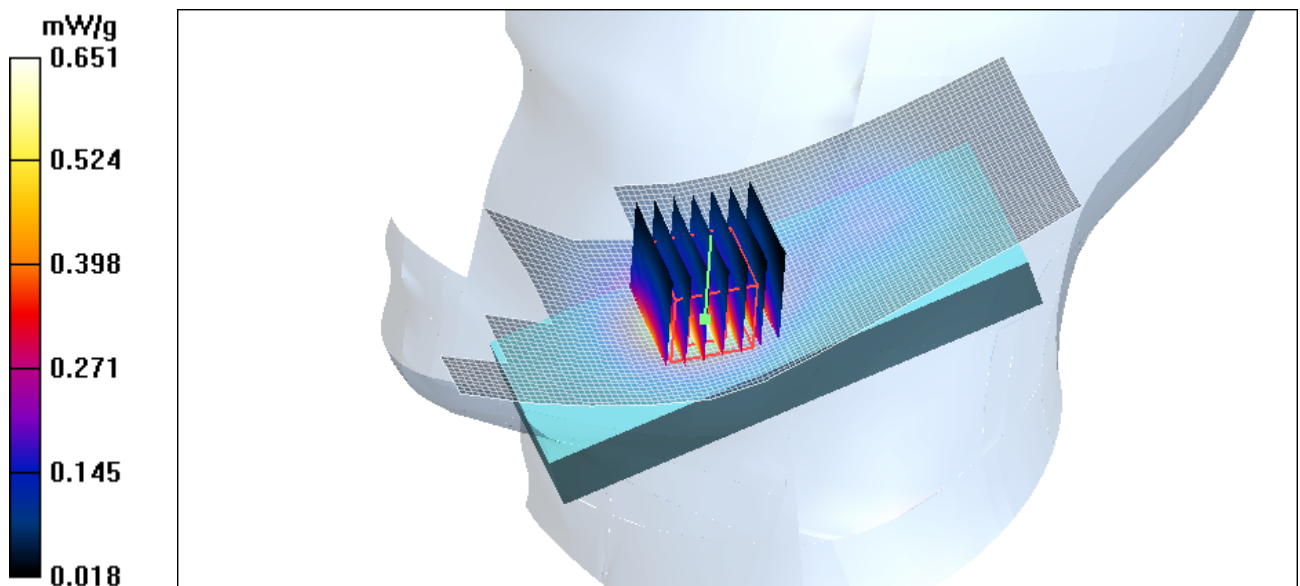


Figure 81 Right Hand Touch Cheek Slide Open GSM 1900 Channel 661

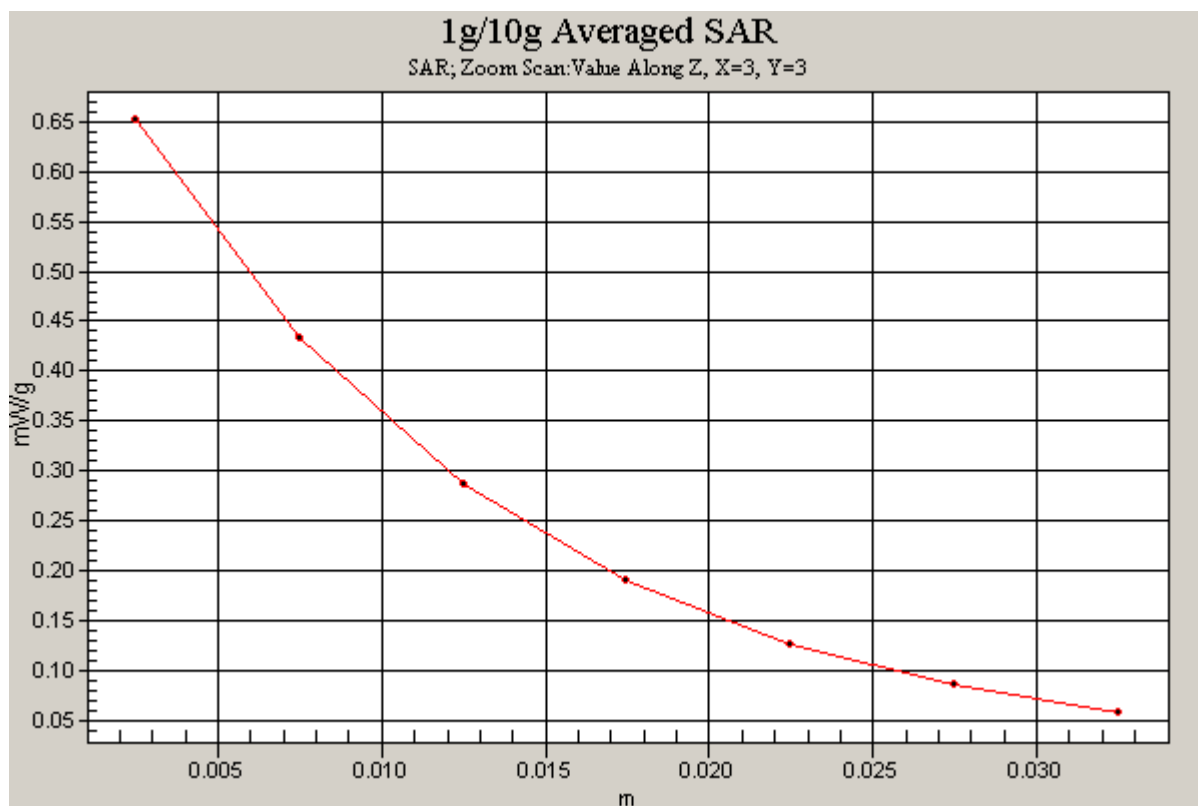


Figure 82 Z-Scan at power reference point (Right Hand Touch Cheek Slide Open GSM 1900 Channel 661)

GSM 1900 Right Cheek Low Slide Open

Date/Time: 6/13/2009 2:22:49 PM

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.527 mW/g

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

Reference Value = 5.62 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 0.672 W/kg

SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.259 mW/g

Maximum value of SAR (measured) = 0.534 mW/g

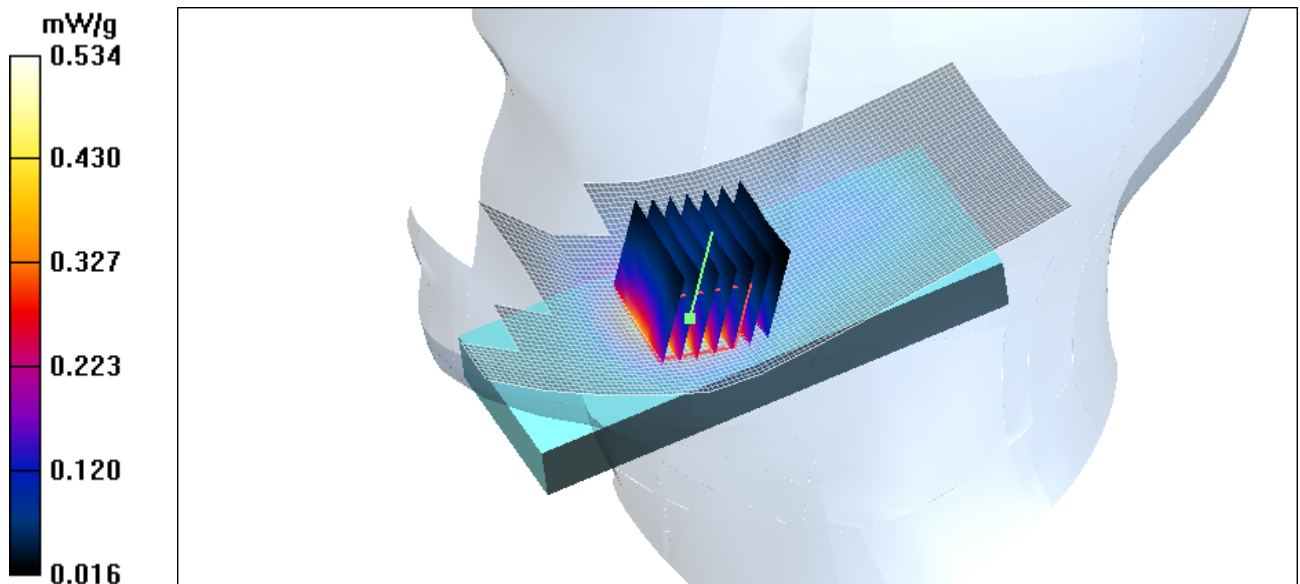


Figure 83 Right Hand Touch Cheek Slide Open GSM 1900 Channel 512

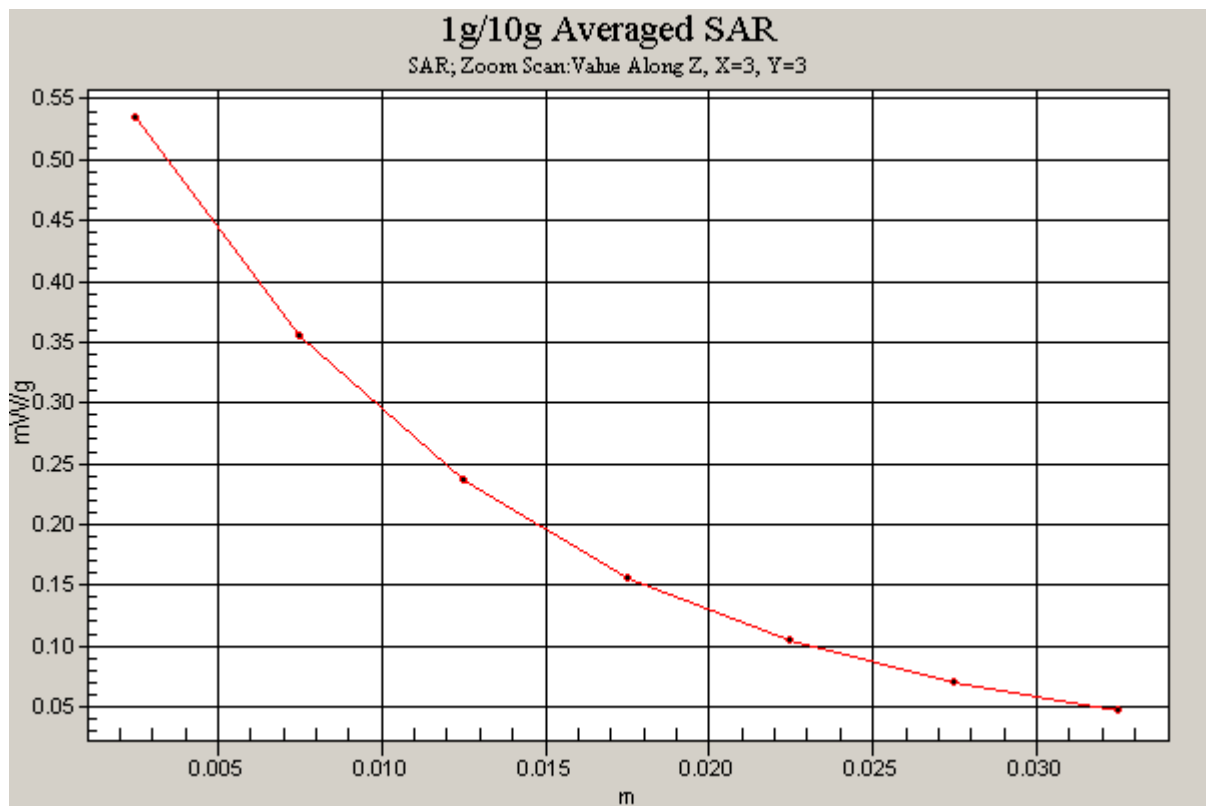


Figure 84 Z-Scan at power reference point (Right Hand Touch Cheek Slide Open GSM 1900 Channel 512)

GSM 1900 Right Tilt Middle Slide Open

Date/Time: 6/13/2009 12:38:33 PM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.314 mW/g

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

Reference Value = 10.0 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.134 mW/g

Maximum value of SAR (measured) = 0.253 mW/g

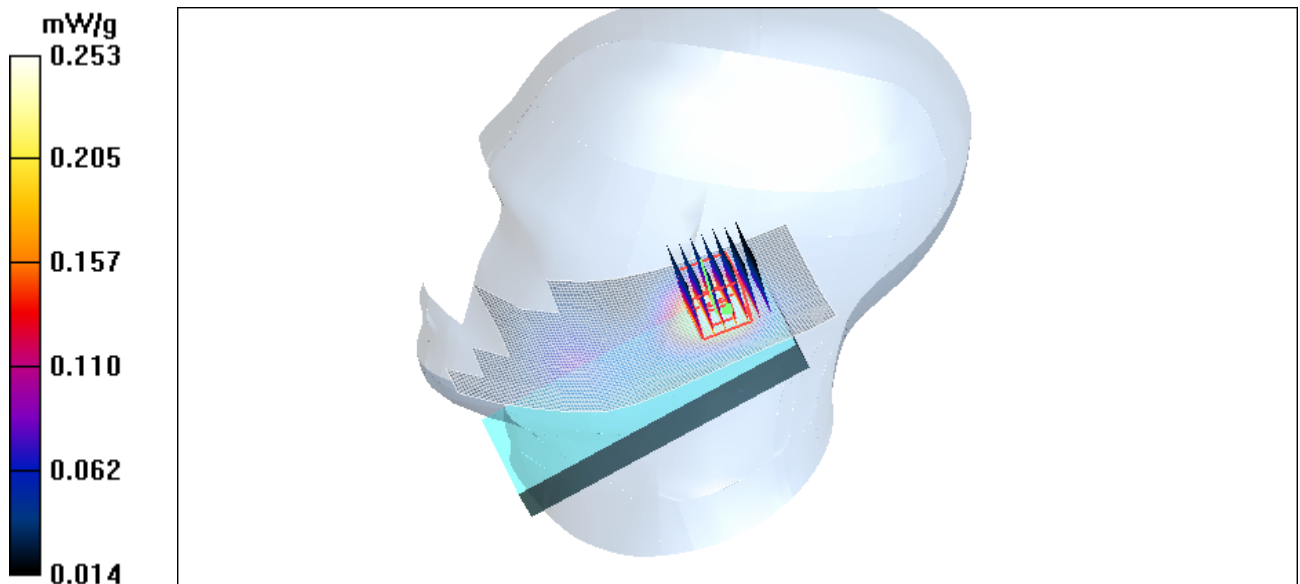


Figure 85 Right Hand Tilt 15° Slide Open GSM 1900 Channel 661

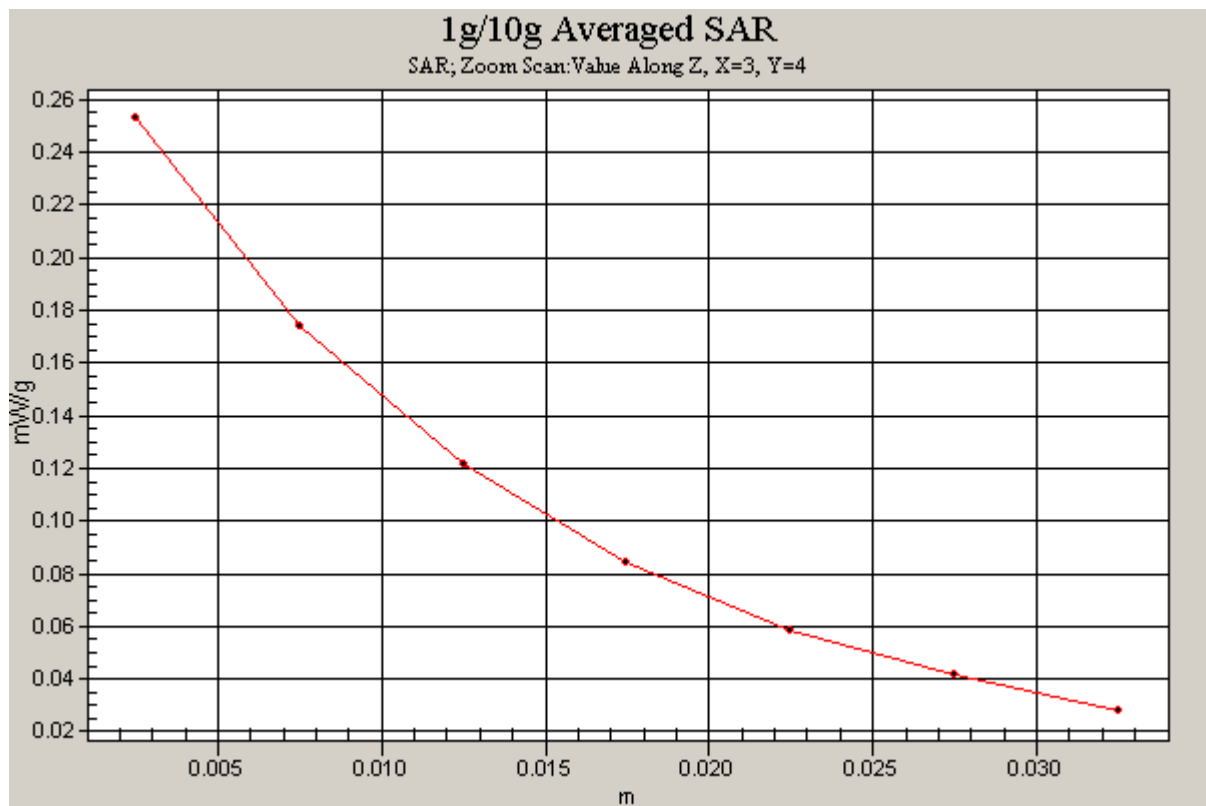


Figure 86 Z-Scan at power reference point (Right Hand Tilt 15° Slide Open GSM 1900 Channel 661)

GSM 1900 Towards Ground High Slide Open

Date/Time: 6/25/2009 7:00:54 AM

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

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 7.13 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.293 W/kg

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 0.211 mW/g

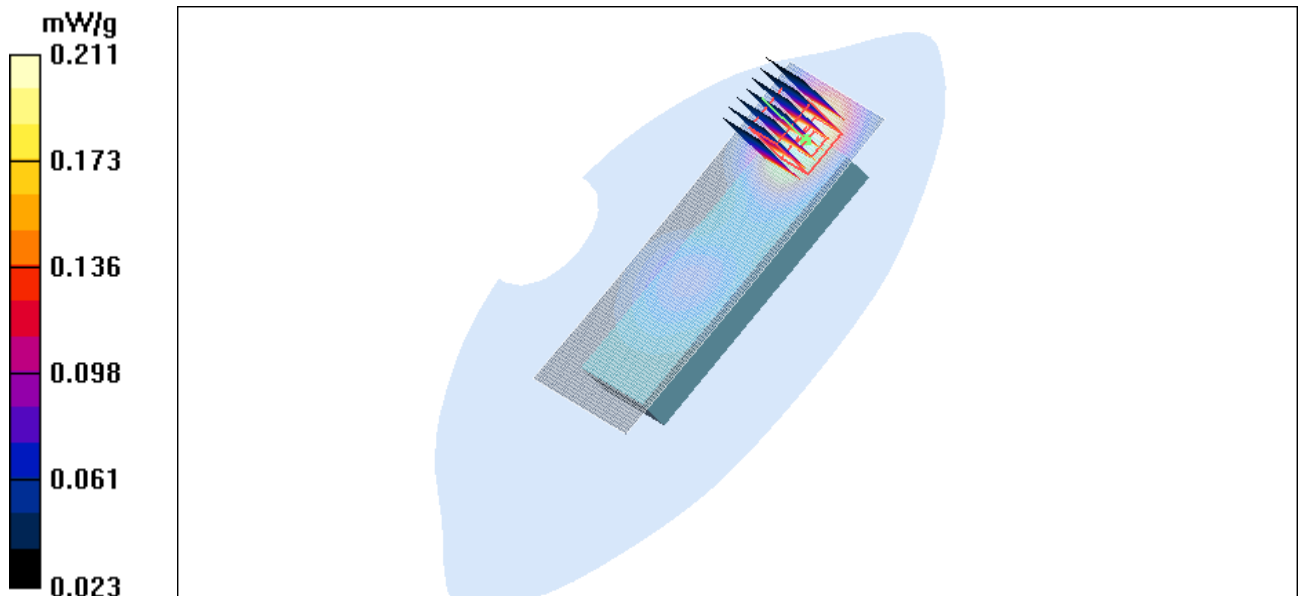


Figure 87 Body, Towards Ground, Slide Open GSM 1900 Channel 810

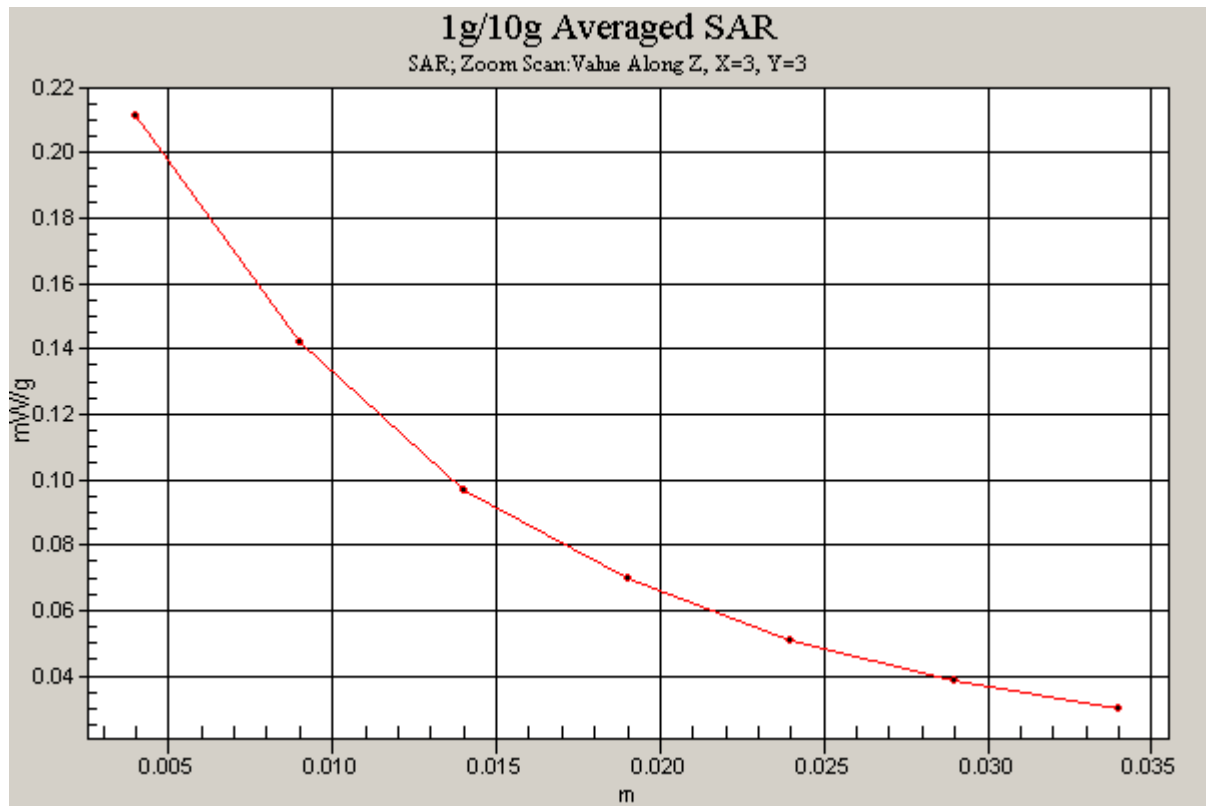


Figure 88 Z-Scan at power reference point (Body, Towards Ground, Slide Open GSM 1900 Channel 810)

GSM 1900 Towards Ground Middle Slide Open

Date/Time: 6/25/2009 7:20:19 AM

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.198 mW/g

Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.92 V/m ; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.183 mW/g ; SAR(10 g) = 0.121 mW/g

Maximum value of SAR (measured) = 0.194 mW/g

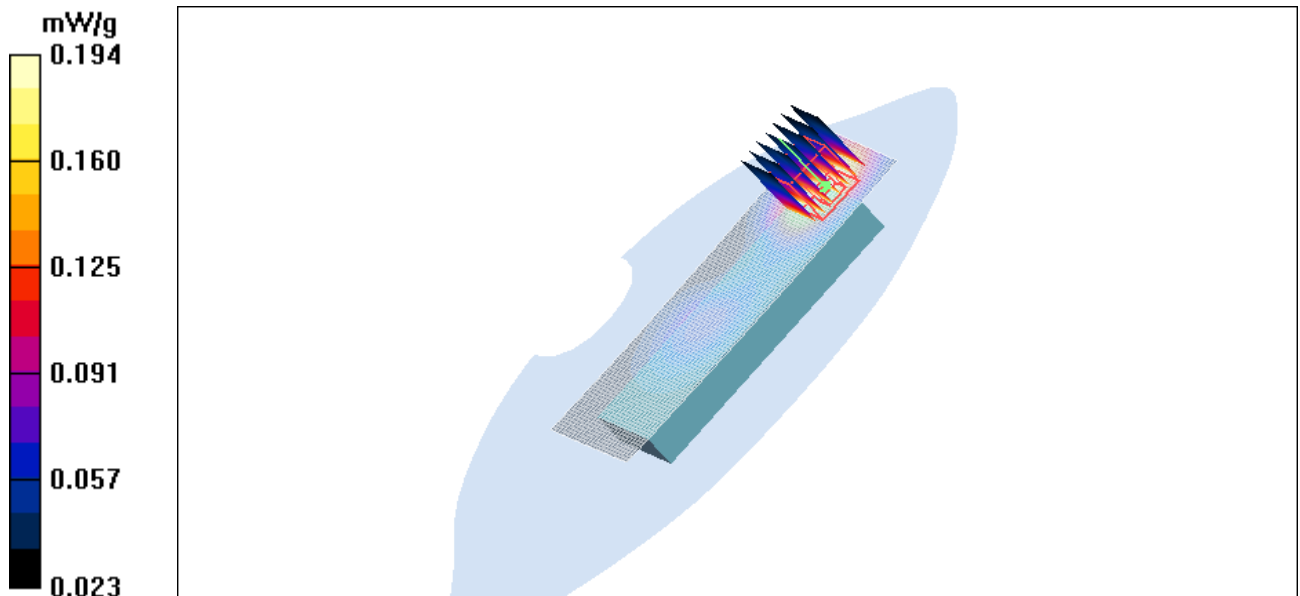


Figure 89 Body, Towards Ground, Slide Open GSM 1900 Channel 661

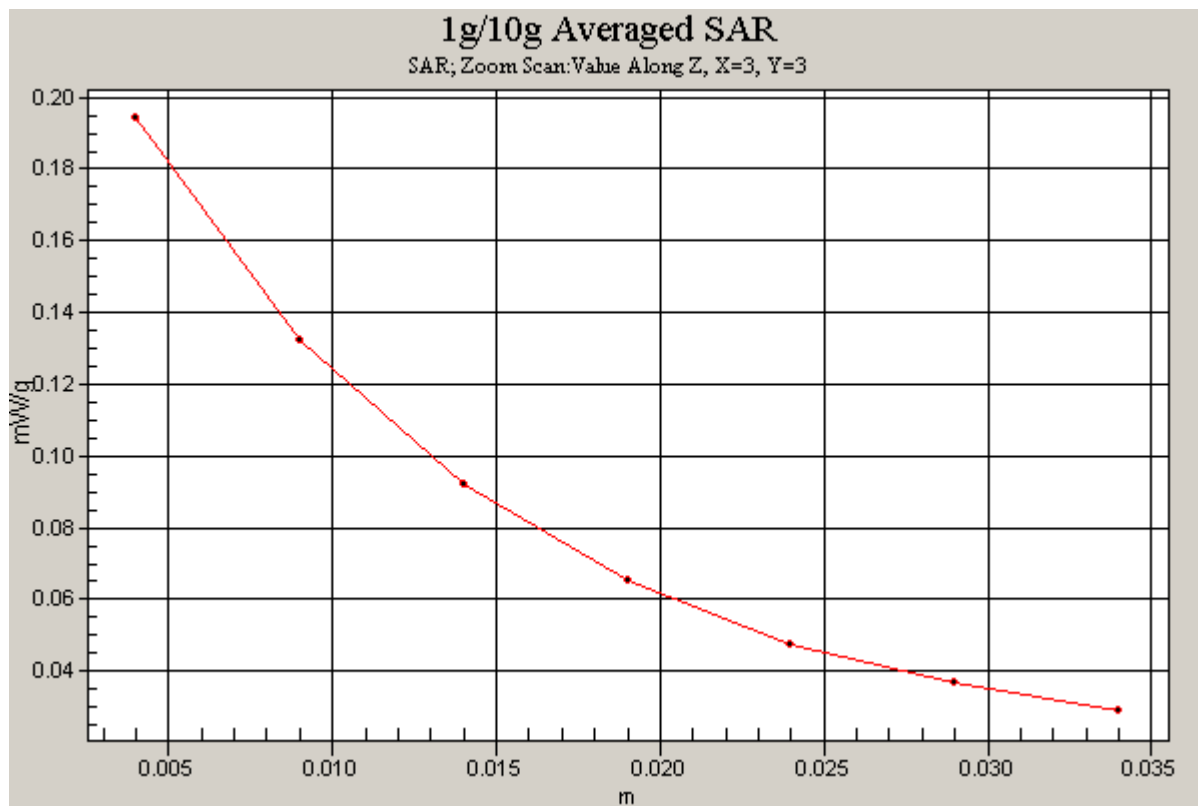


Figure 90 Z-Scan at power reference point (Body, Towards Ground, Slide Open GSM 1900 Channel 661)

GSM 1900 Towards Ground Low Slide Open

Date/Time: 6/25/2009 7:39:46 AM

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.164 mW/g

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

Reference Value = 6.45 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.158 mW/g

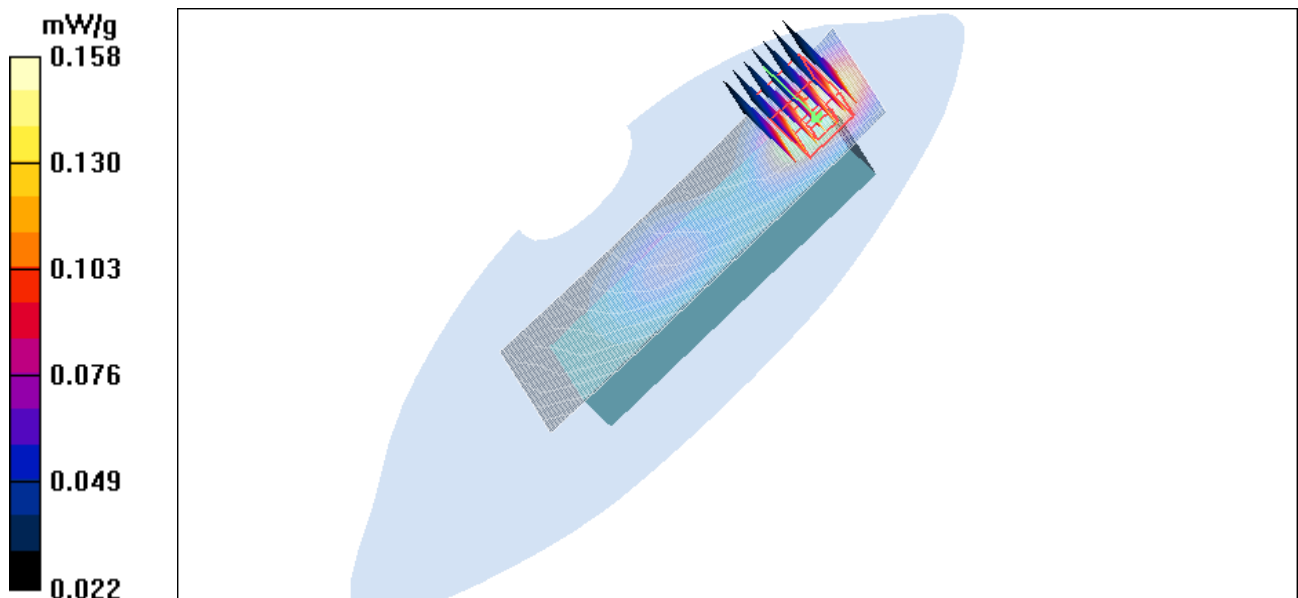


Figure 91 Body, Towards Ground, Slide Open GSM 1900 Channel 512

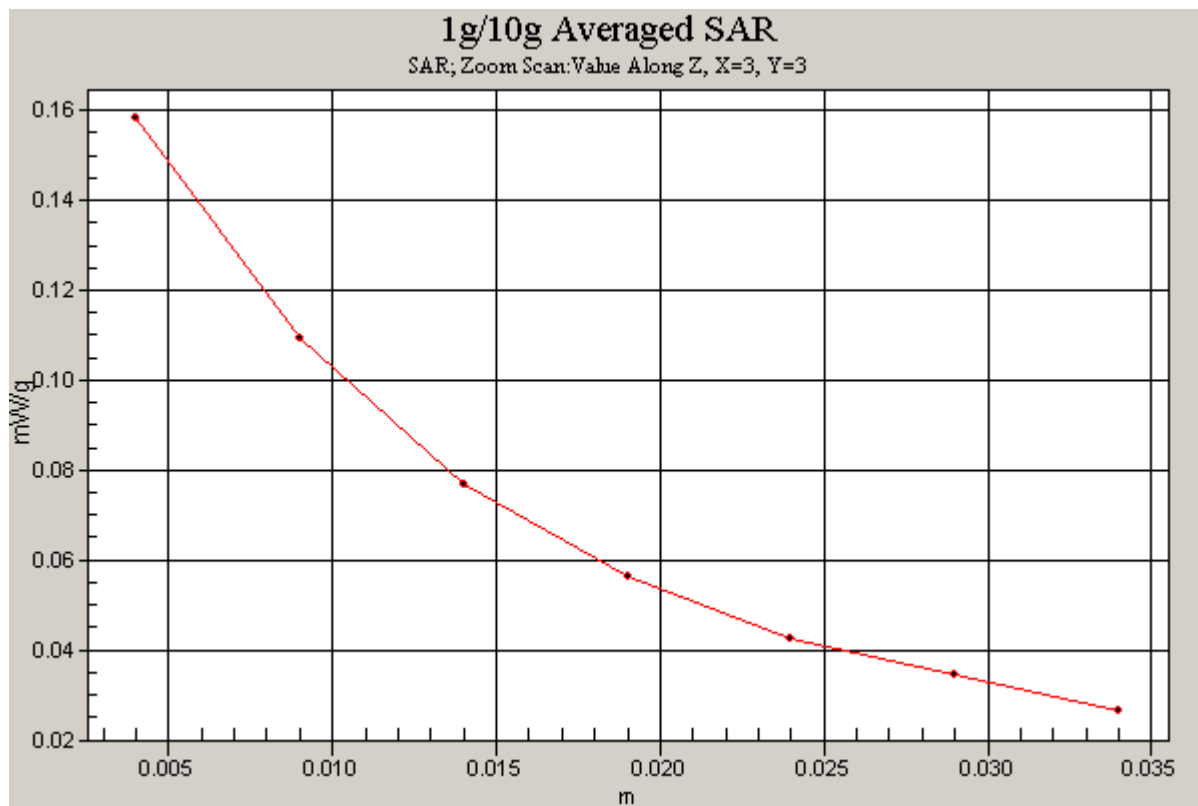


Figure 92 Z-Scan at power reference point (Body, Towards Ground, Slide Open GSM 1900 Channel 512)

GSM 1900 Towards Phantom Middle Slide Open

Date/Time: 6/25/2009 8:00:54 AM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.142 mW/g

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

Reference Value = 7.59 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.088 mW/g

Maximum value of SAR (measured) = 0.138 mW/g

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

Reference Value = 7.59 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.183 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.135 mW/g

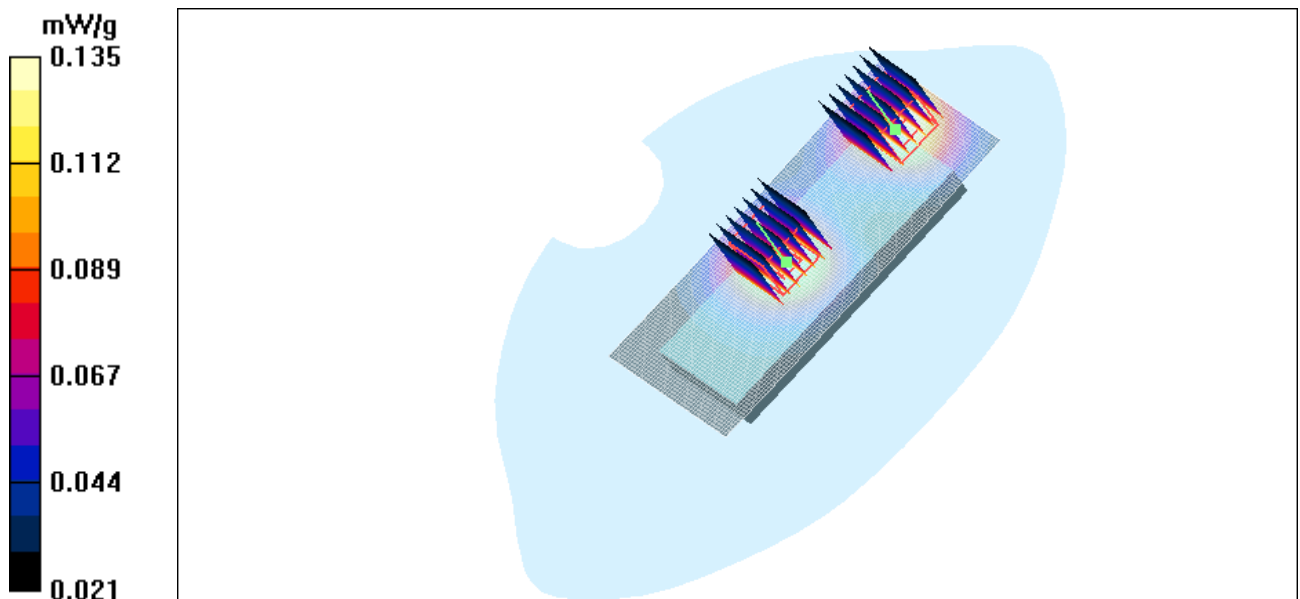


Figure 93 Body, Towards Phantom, Slide Open GSM 1900 Channel 661

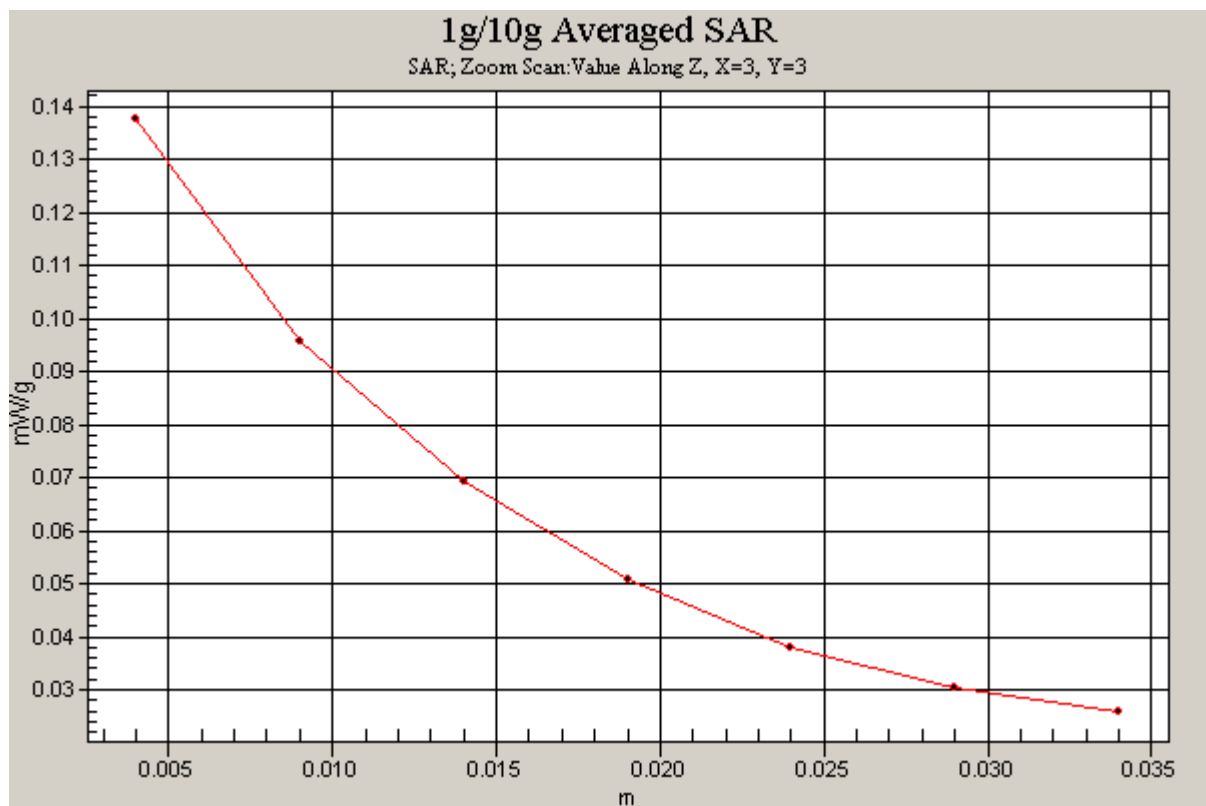
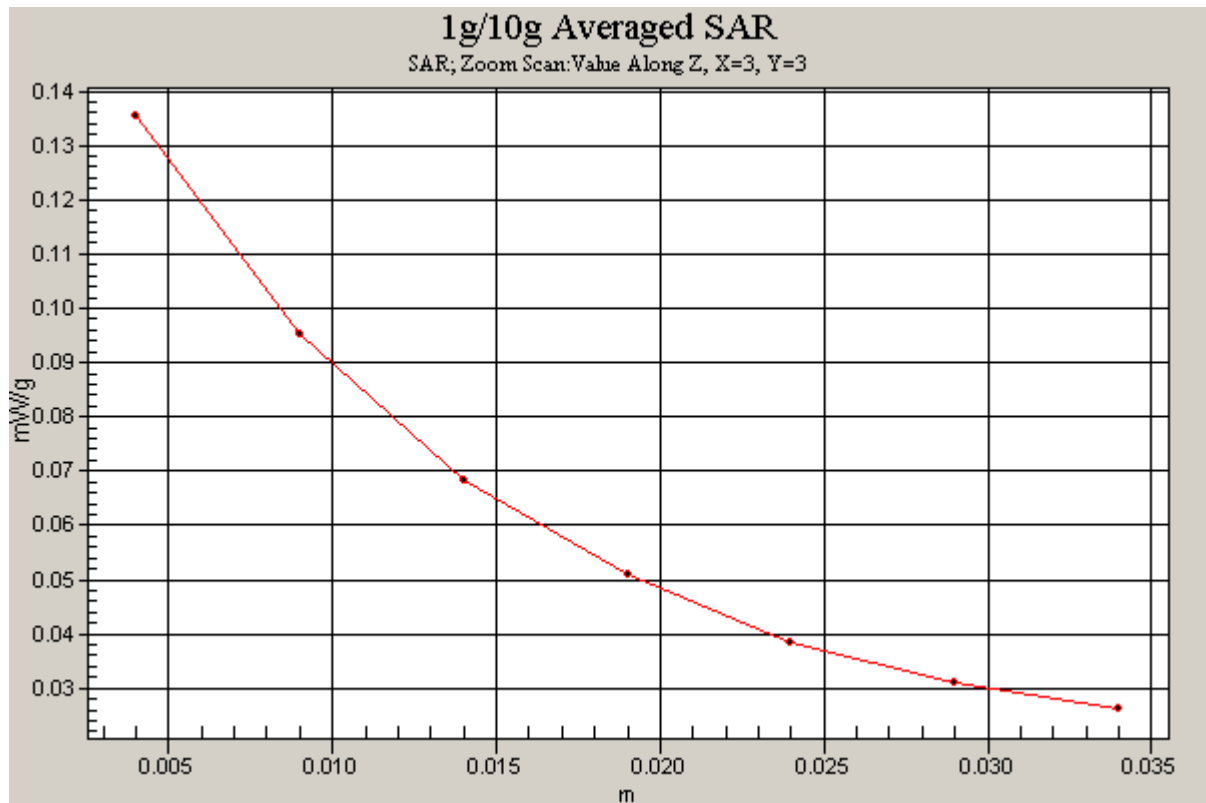


Figure 94 Z-Scan at power reference point (Body, Towards Phantom, Slide Open GSM 1900 Channel 661)

GSM 1900 Towards Ground with Earphone High Slide Open

Date/Time: 6/25/2009 8:35:22 AM

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

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.231 mW/g

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

Reference Value = 8.27 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.135 mW/g

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

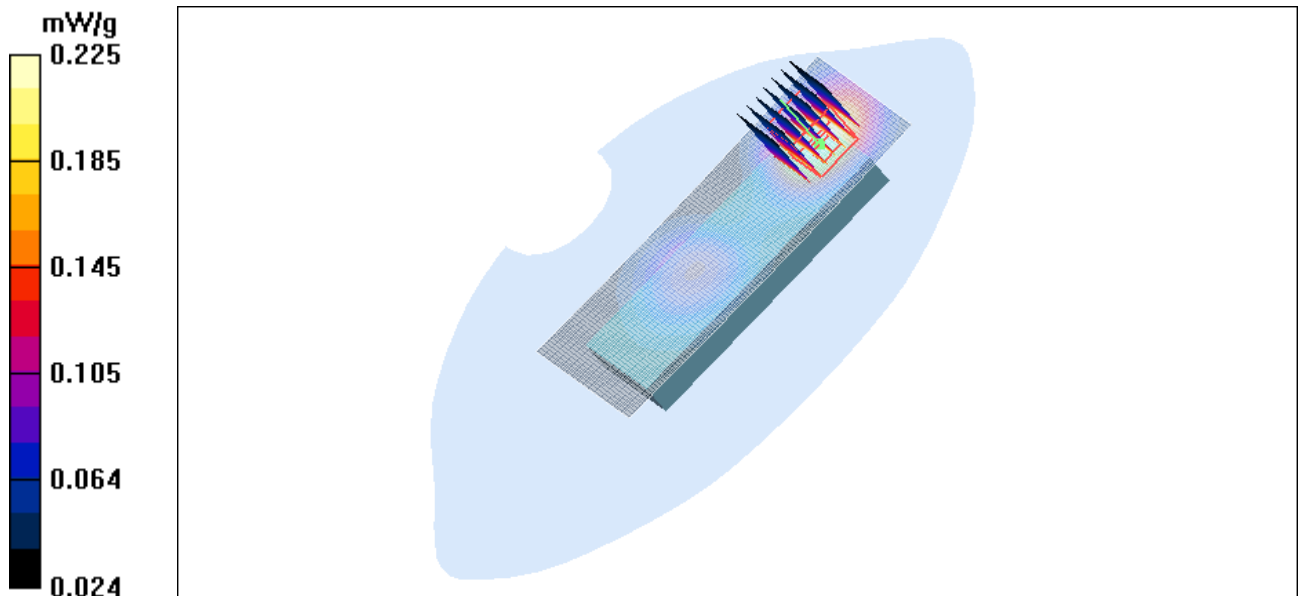


Figure 95 Body with Earphone, Towards Ground, Slide Open GSM 1900 Channel 810

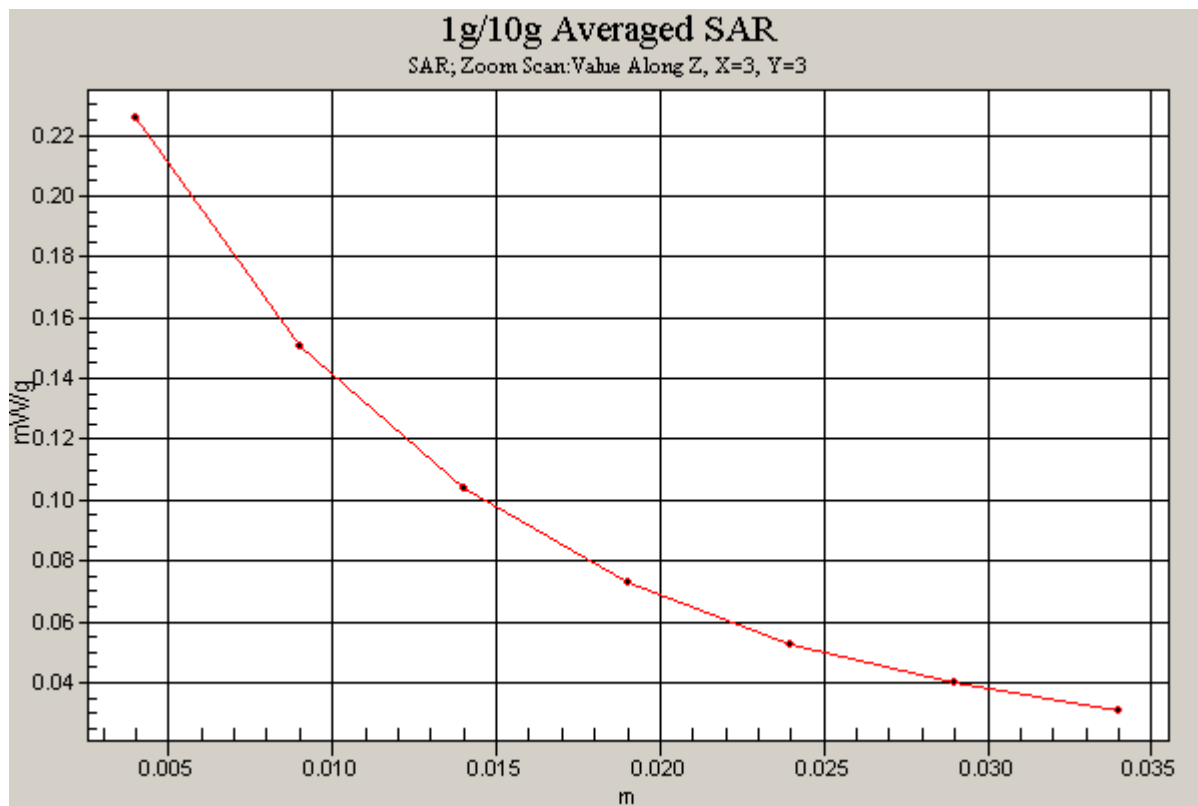


Figure 96 Z-Scan at power reference point (Body with Earphone, Towards Ground, Slide Open GSM 1900 Channel 810)

GSM 1900 GPRS (4 timeslots uplink) Towards Ground High Slide Open

Date/Time: 6/25/2009 1:15:07 PM

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

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.535 mW/g

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

Reference Value = 11.7 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.742 W/kg

SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.303 mW/g

Maximum value of SAR (measured) = 0.516 mW/g

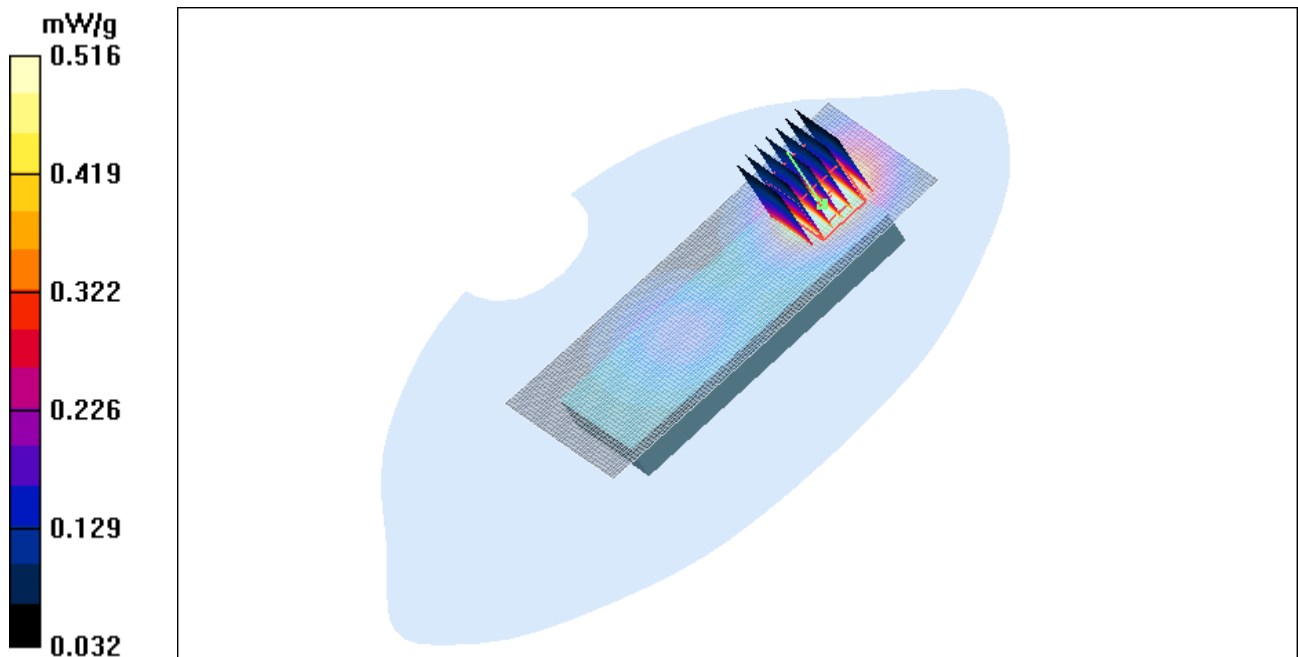


Figure 97 Body, Towards Ground, Slide Open GSM 1900 GPRS (4 timeslots uplink) Channel 810

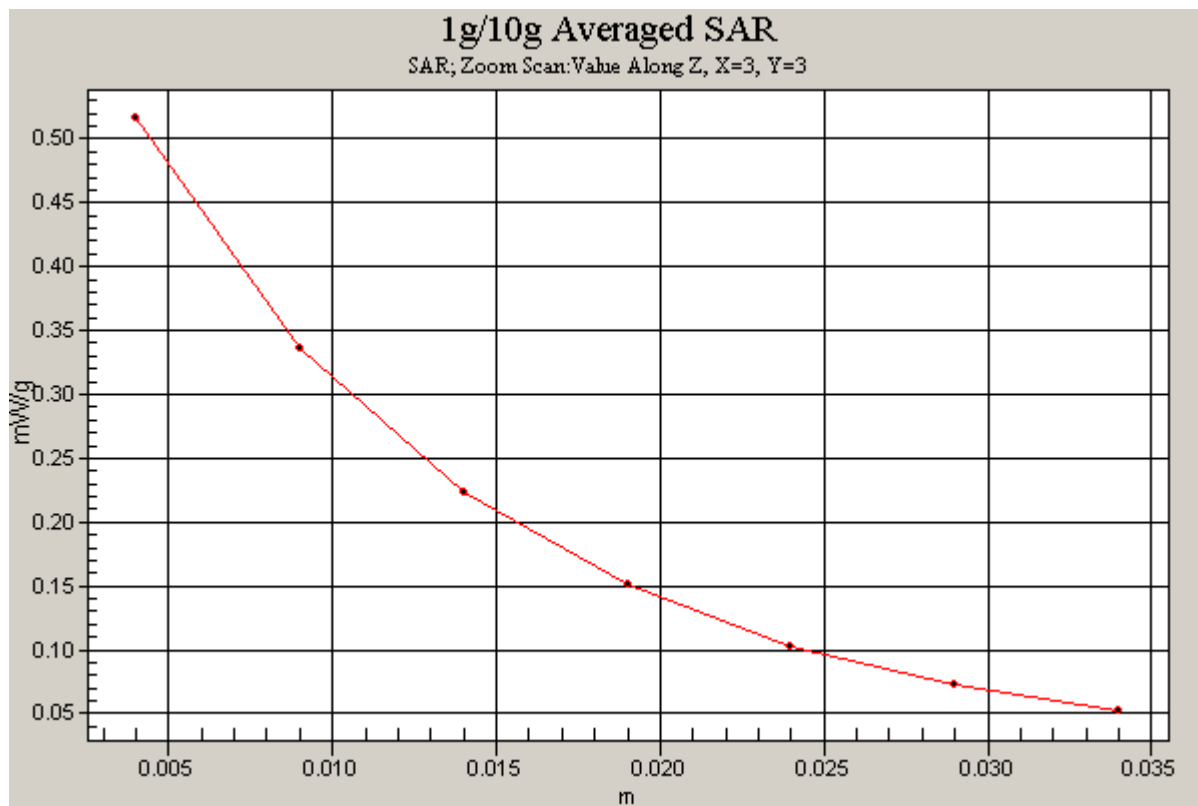


Figure 98 Z-Scan at power reference point [Body, Towards Ground, Slide Open GSM 1900 GPRS (4 timeslots uplink) Channel 810]

GSM 1900 GPRS (4 timeslots uplink) Towards Ground Middle Slide Open

Date/Time: 6/25/2009 10:53:27 AM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.462 mW/g

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

Reference Value = 10.8 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.656 W/kg

SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (measured) = 0.460 mW/g

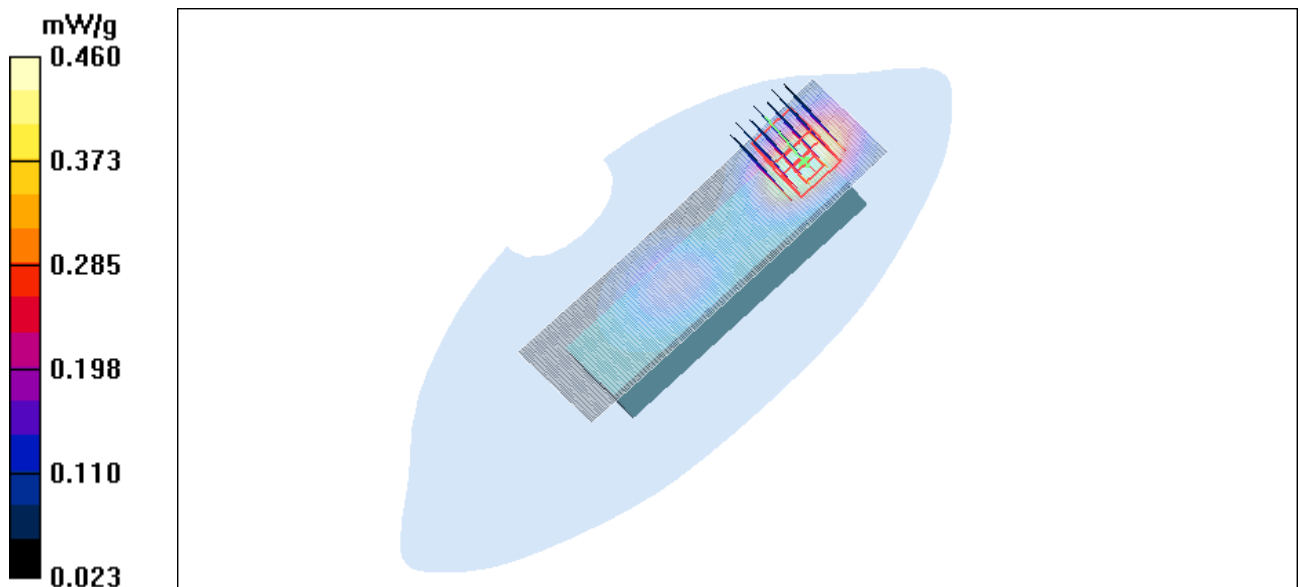


Figure 99 Body, Towards Ground, Slide Open GSM 1900 GPRS (4 timeslots uplink) Channel 661

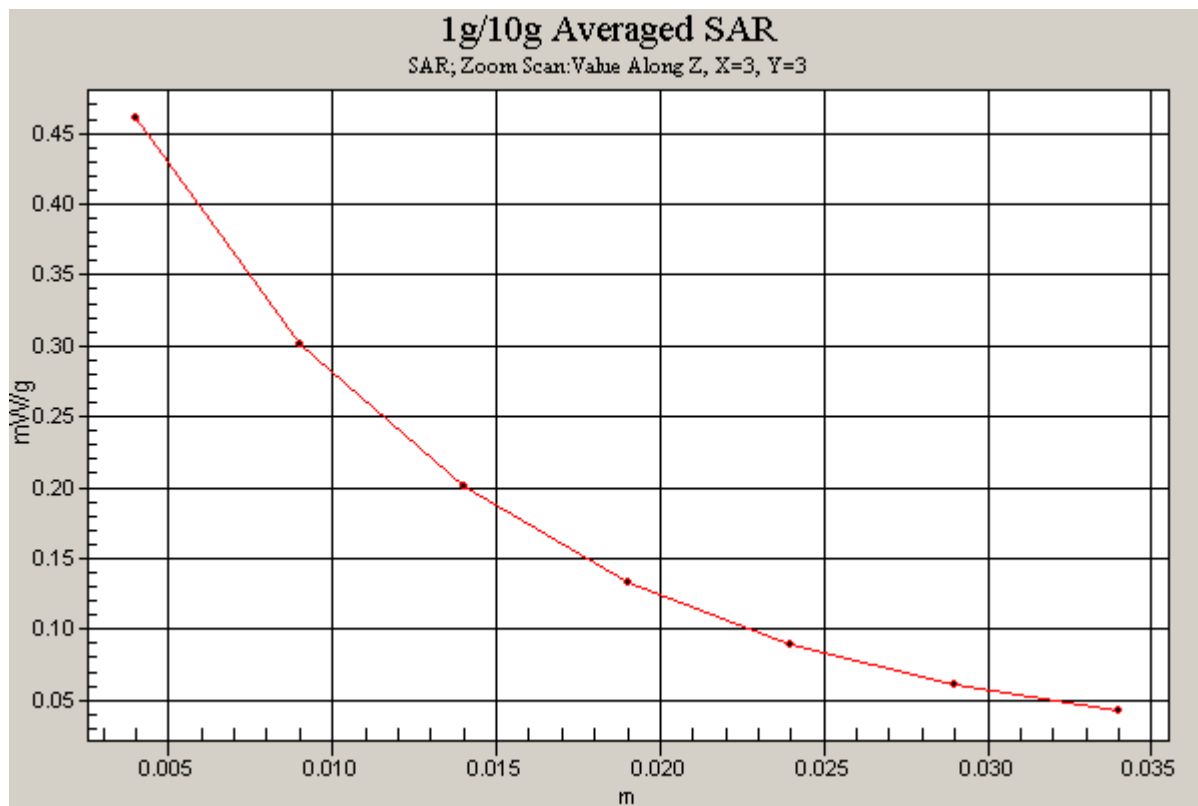


Figure 100 Z-Scan at power reference point [Body, Towards Ground, Slide Open GSM 1900 GPRS (4 timeslots uplink) Channel 661]

GSM 1900 GPRS (4 timeslots uplink) Towards Ground Low Slide Open

Date/Time: 6/25/2009 1:36:15 PM

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.384 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 = -0.082 dB

Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.223 mW/g

Maximum value of SAR (measured) = 0.374 mW/g

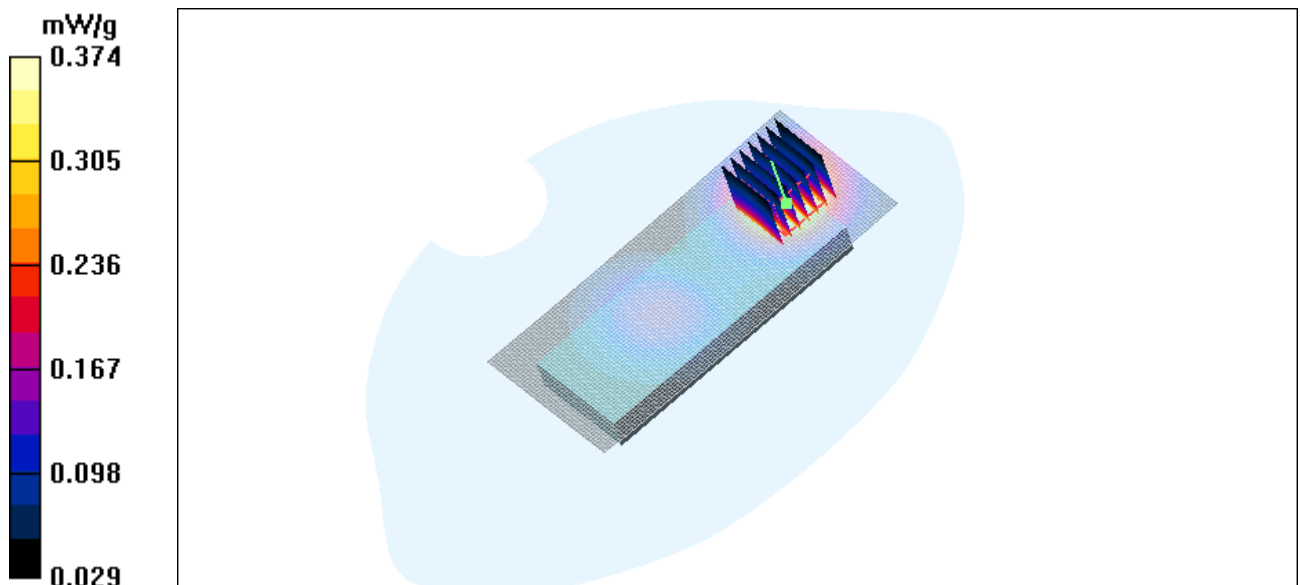


Figure 101 Body, Towards Ground, Slide Open GSM 1900 GPRS (4 timeslots uplink) Channel 512

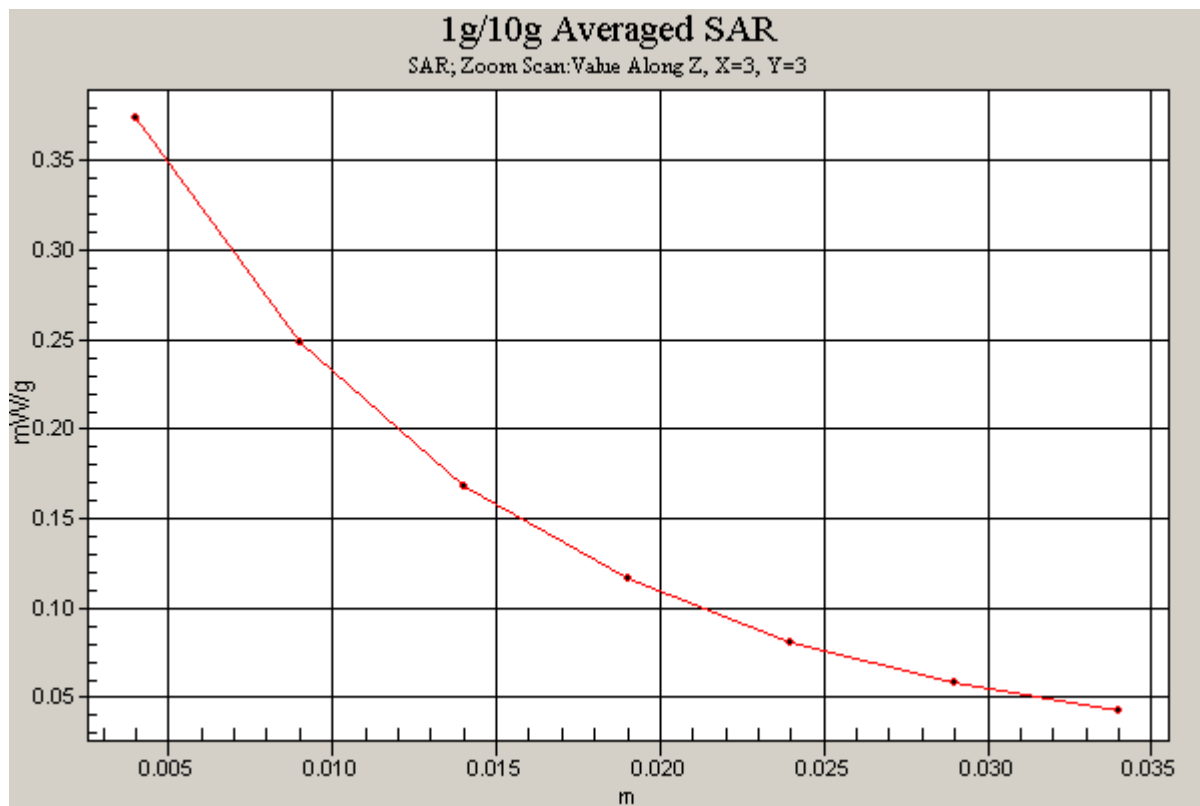


Figure 102 Z-Scan at power reference point [Body, Towards Ground, Slide Open GSM 1900 GPRS (4 timeslots uplink) Channel 512]

GSM 1900 GPRS (4 timeslots uplink) Towards Phantom Middle Slide Open

Date/Time: 6/25/2009 11:21:16 AM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x111x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 9.45 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.256 mW/g

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

Reference Value = 9.45 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.154 mW/g

Maximum value of SAR (measured) = 0.254 mW/g

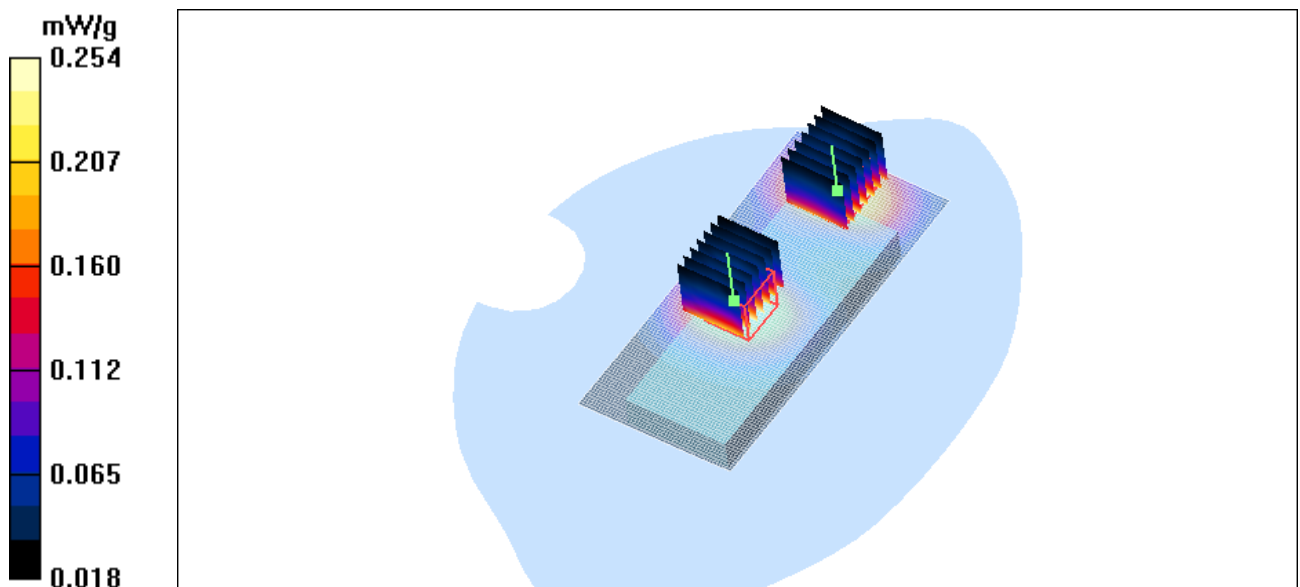


Figure 103 Body, Towards Phantom, Slide Open GSM 1900 GPRS (4 timeslots uplink) Channel 661

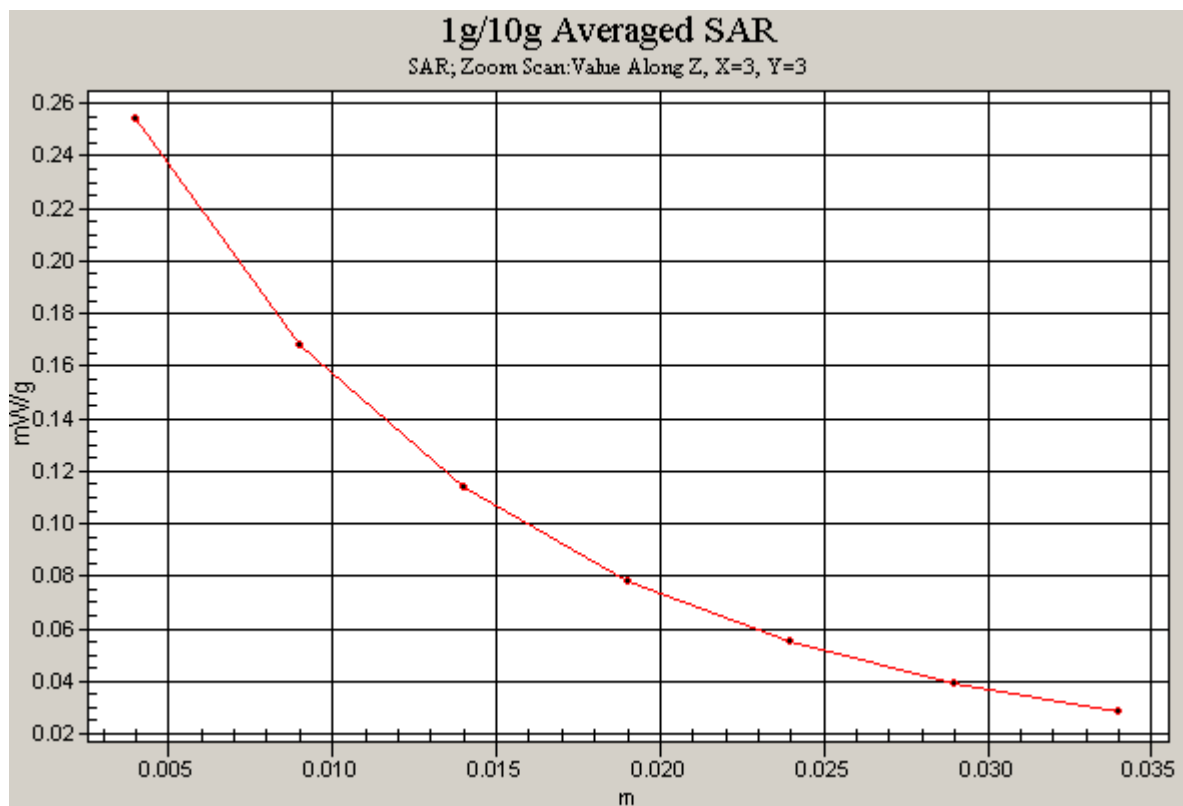
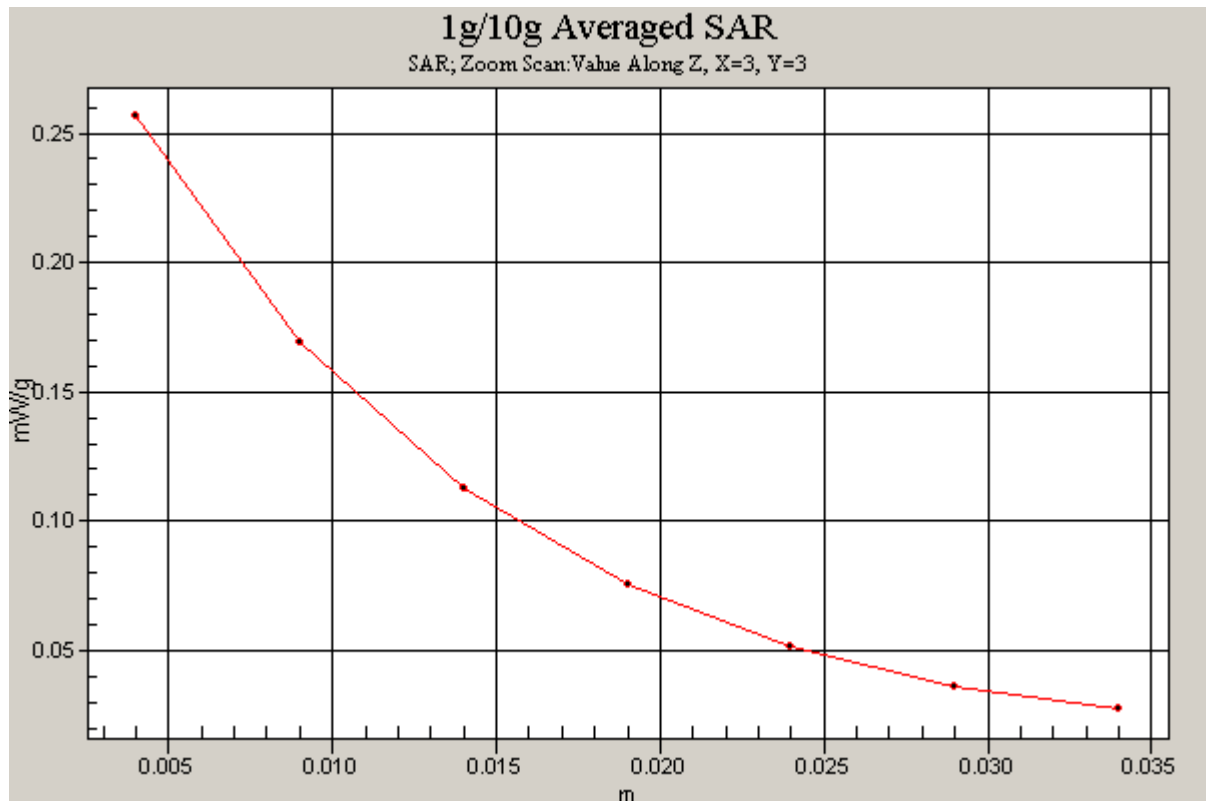


Figure 104 Z-Scan at power reference point [Body, Towards Phantom, Slide Open GSM 1900 GPRS
(4 timeslots uplink) Channel 661]

GSM 1900 Left Cheek Middle Slide Close

Date/Time: 6/13/2009 10:48:17 AM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.259 mW/g

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

Reference Value = 6.06 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.252 mW/g

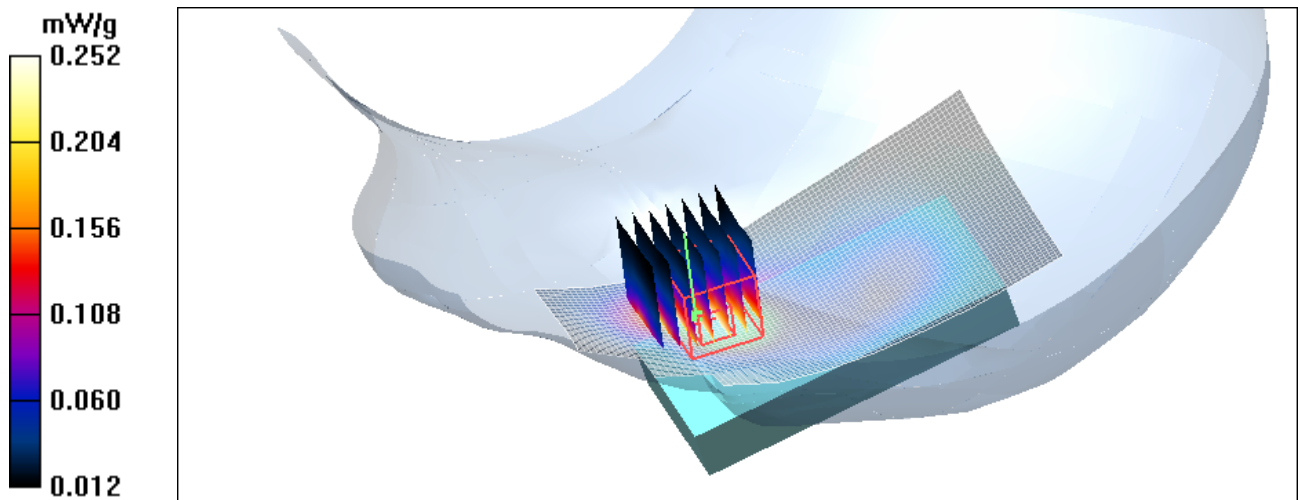


Figure 105 Left Hand Touch Cheek Slide Close GSM 1900 Channel 661

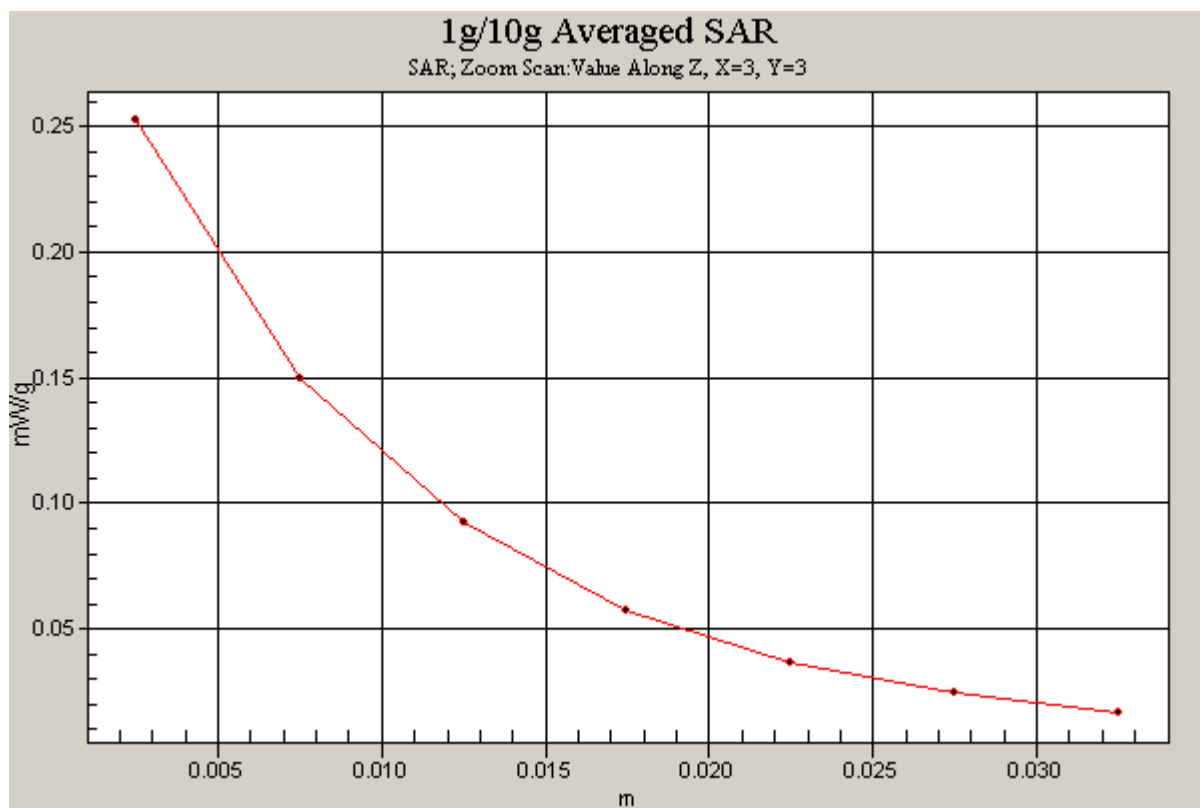


Figure 106 Z-Scan at power reference point (Left Hand Touch Cheek Slide Close GSM 1900 Channel 661)

GSM 1900 Left Tilt Middle Slide Close

Date/Time: 6/13/2009 11:08:04 AM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

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

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.109 mW/g

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

Reference Value = 7.04 V/m; Power Drift = 0.109 dB

Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.053 mW/g

Maximum value of SAR (measured) = 0.101 mW/g

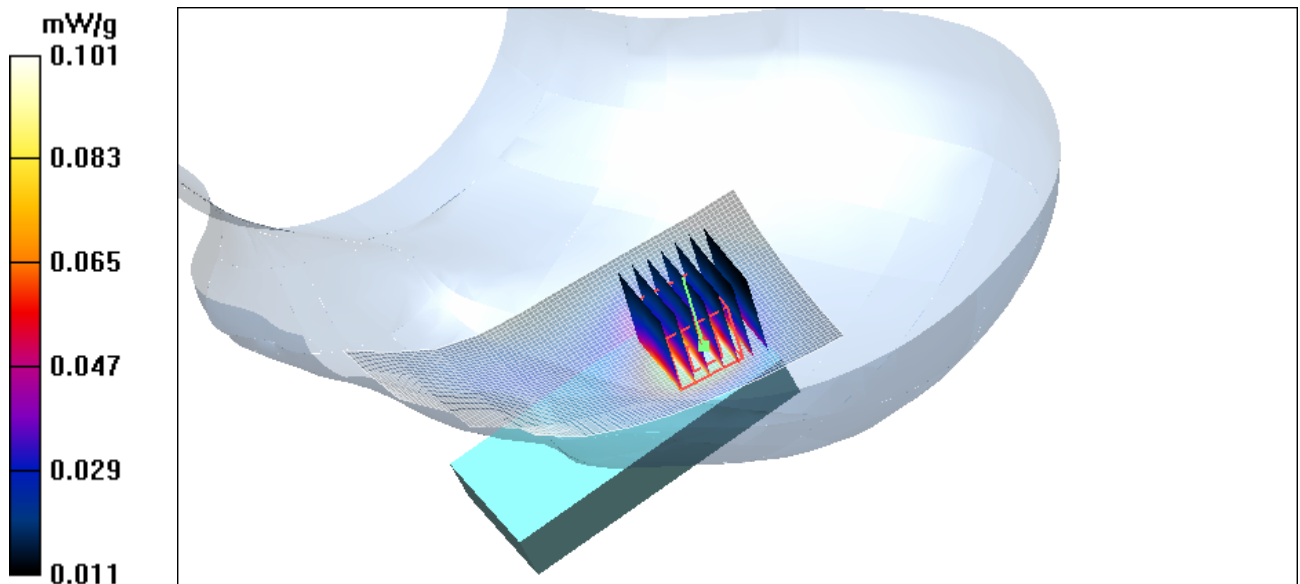


Figure 107 Left Hand Tilt 15° Slide Close GSM 1900 Channel 661

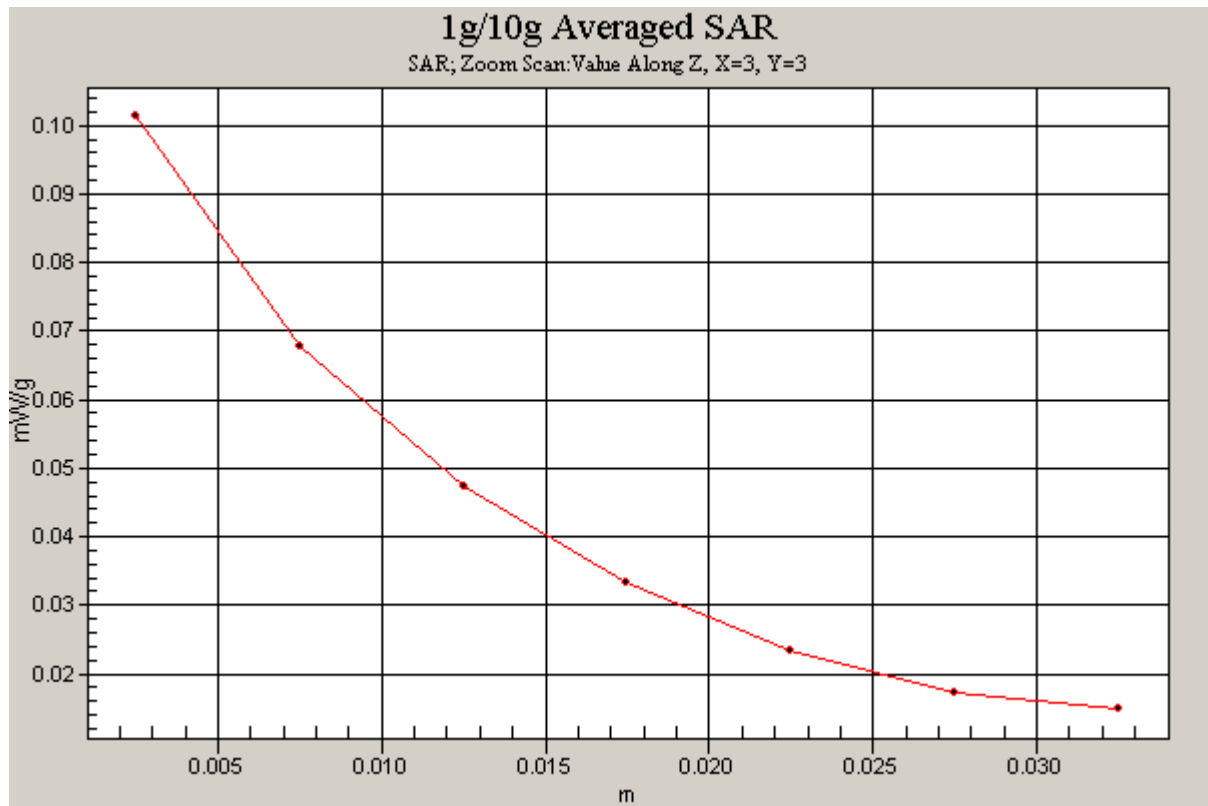


Figure 108 Z-Scan at power reference point (Left Hand Tilt 15° Slide Close GSM 1900 Channel 661)

GSM 1900 Right Cheek High Slide Close

Date/Time: 6/13/2009 11:30:28 AM

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

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.343 mW/g

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

Reference Value = 8.31 V/m; Power Drift = -0.103 dB

Peak SAR (extrapolated) = 0.409 W/kg

SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.171 mW/g

Maximum value of SAR (measured) = 0.336 mW/g

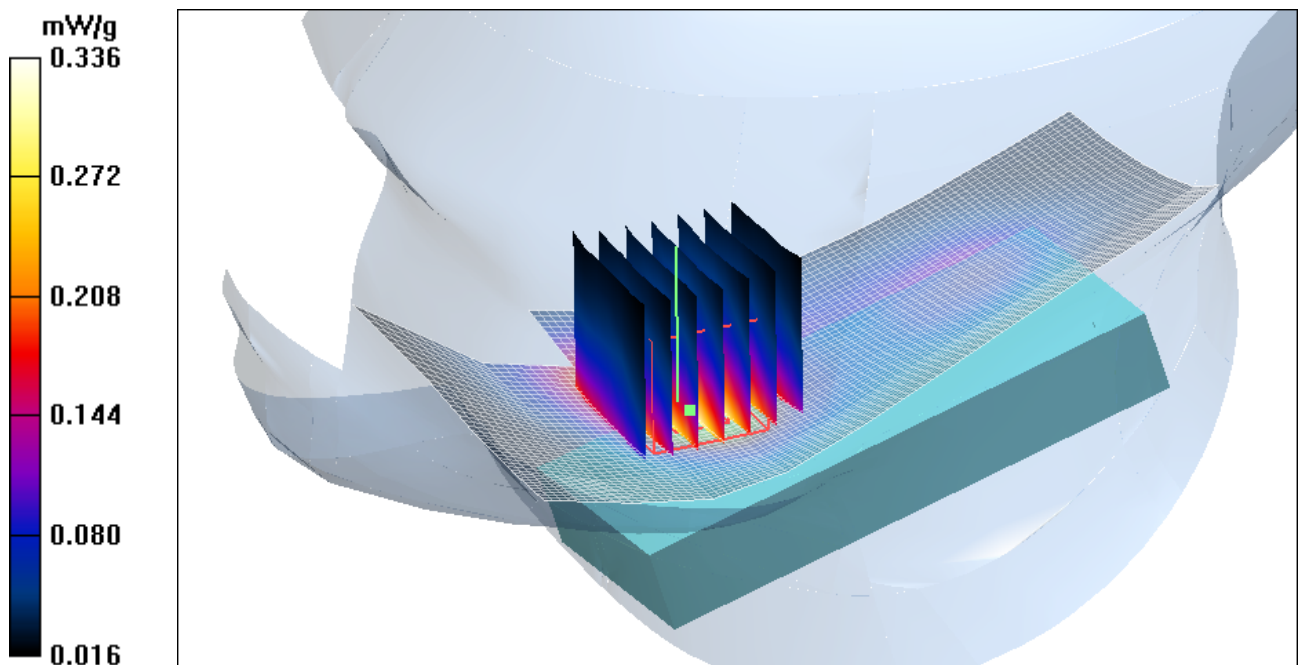


Figure 109 Right Hand Touch Cheek Slide Close GSM 1900 Channel 810

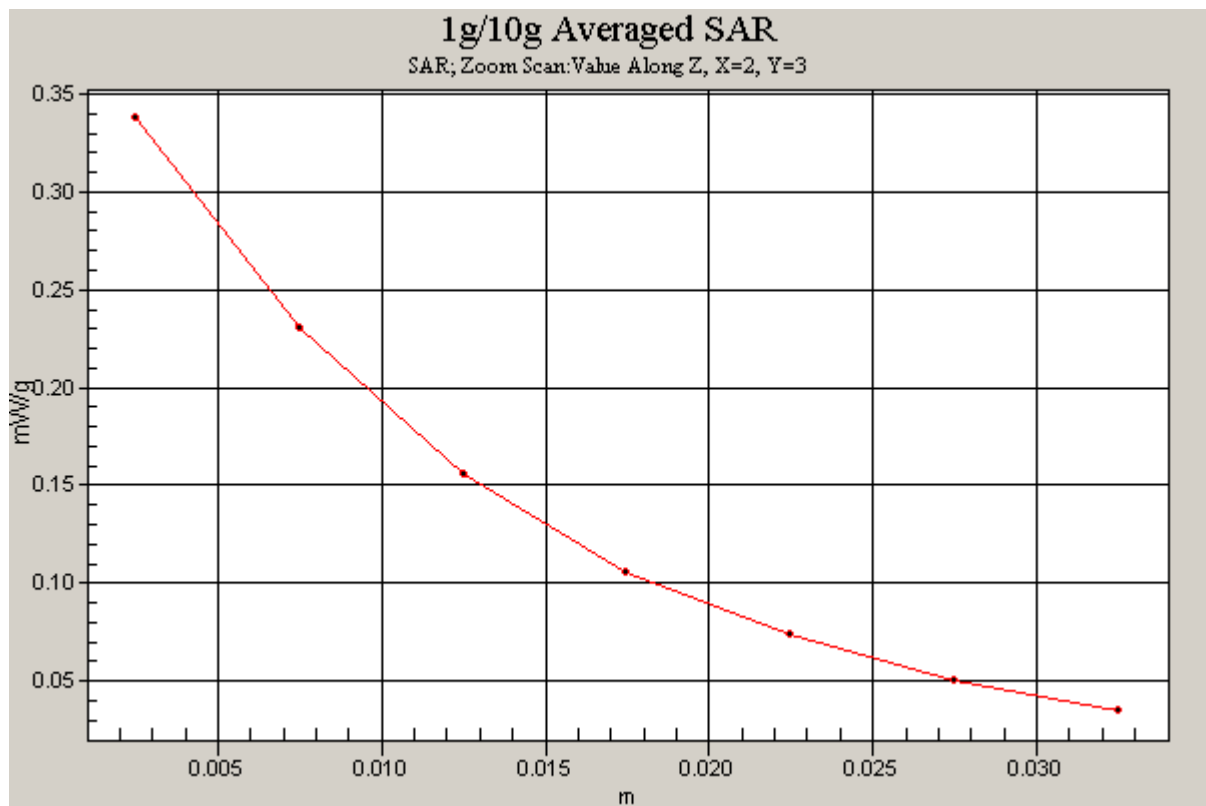


Figure 110 Z-Scan at power reference point (Right Hand Touch Cheek Slide Close GSM 1900 Channel 810)

GSM 1900 Right Cheek Middle Slide Close

Date/Time: 6/13/2009 10:05:43 AM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.254 mW/g

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

Reference Value = 9.14 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (measured) = 0.256 mW/g

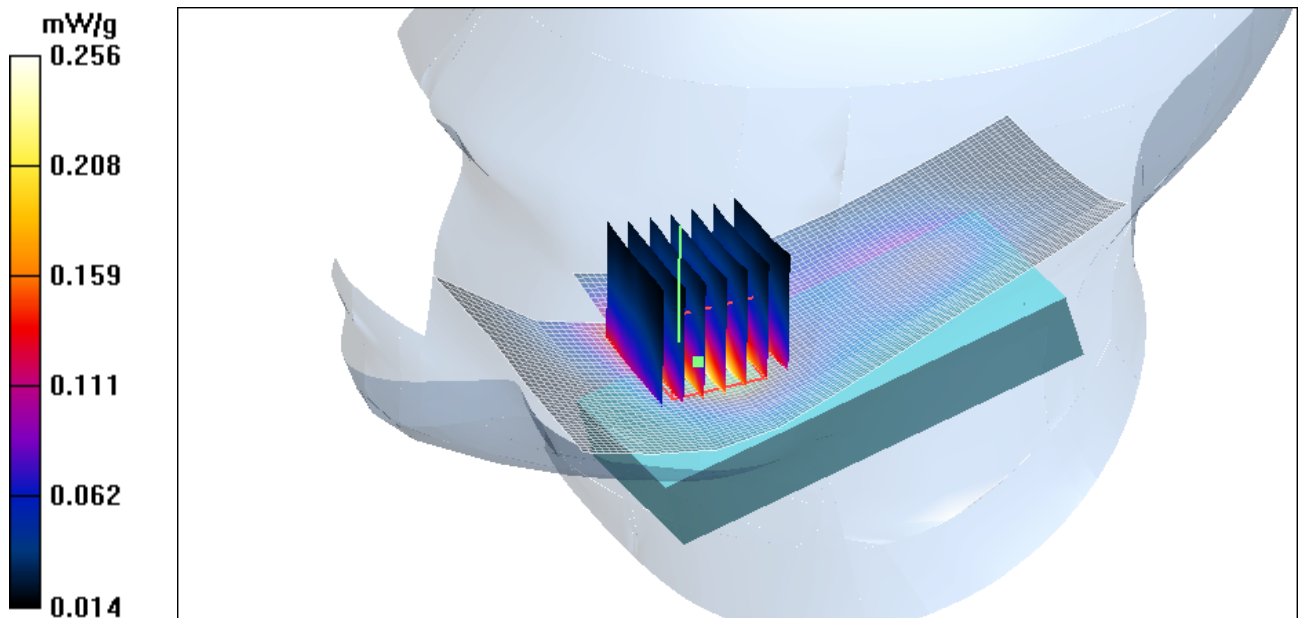


Figure 111 Right Hand Touch Cheek Slide Close GSM 1900 Channel 661

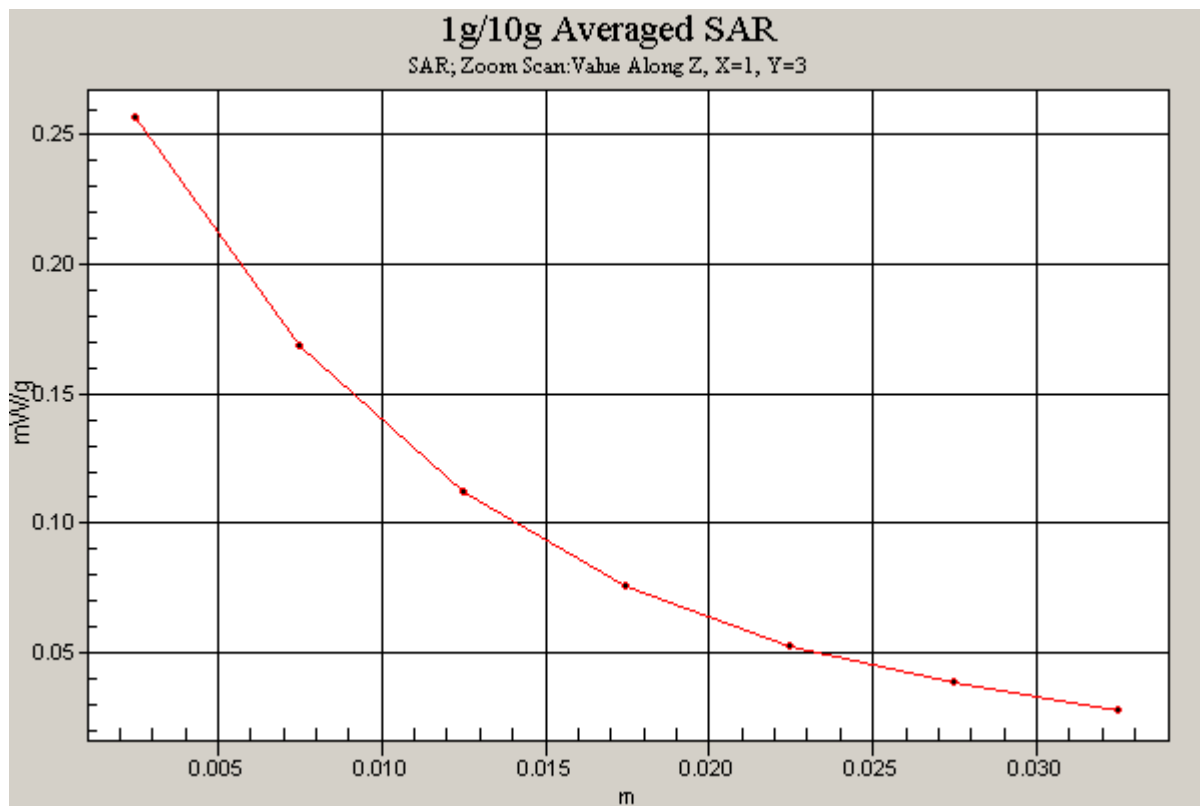


Figure 112 Z-Scan at power reference point (Right Hand Touch Cheek Slide Close GSM 1900 Channel 661)

GSM 1900 Right Cheek Low Slide Close

Date/Time: 6/13/2009 11:50:00 AM

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.191 mW/g

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

Reference Value = 5.96 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.188 mW/g

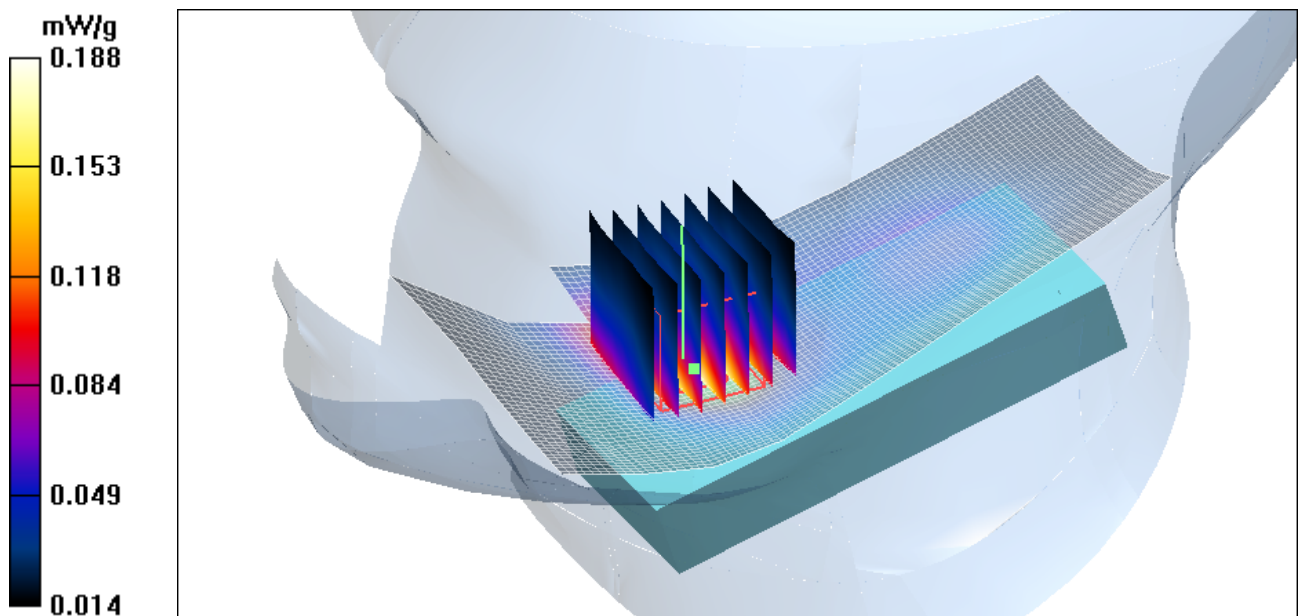


Figure 113 Right Hand Touch Cheek Slide Close GSM 1900 Channel 512

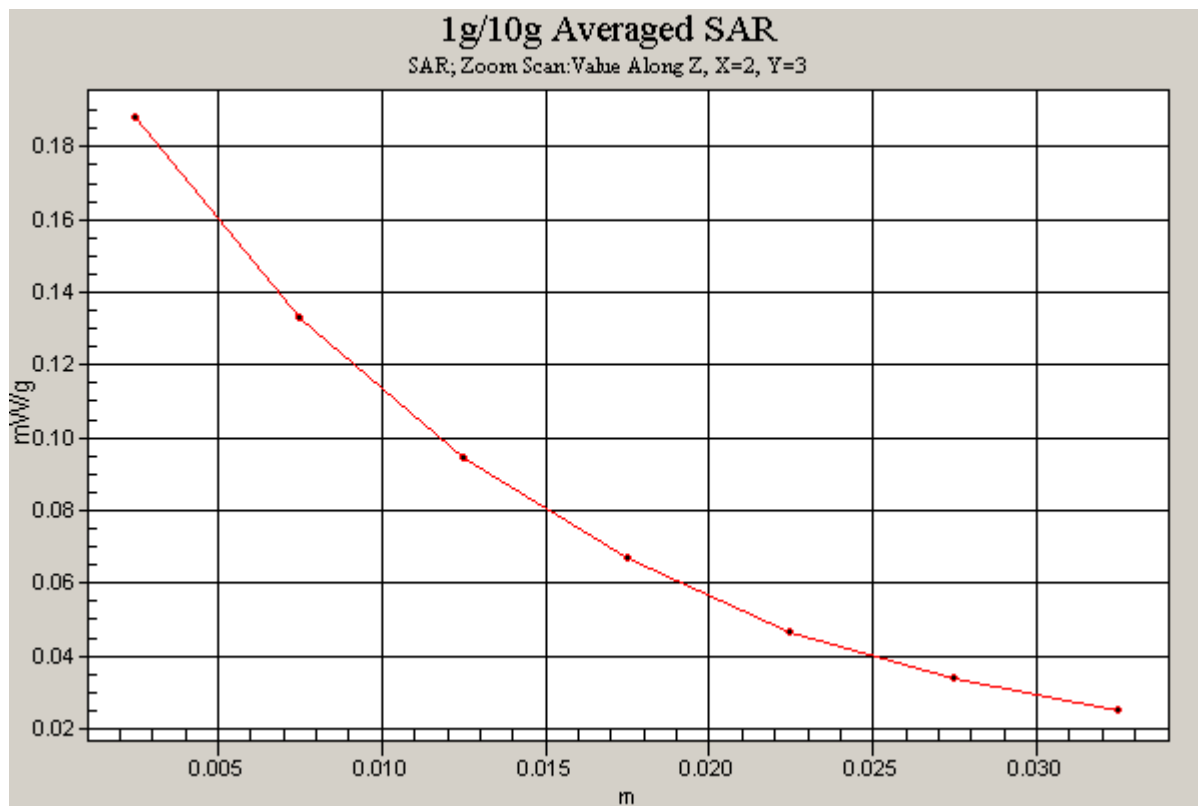


Figure 114 Z-Scan at power reference point (Right Hand Touch Cheek Slide Close GSM 1900 Channel 512)

GSM 1900 Right Tilt Middle Slide Close

Date/Time: 6/13/2009 10:26:04 AM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

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

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.35, 7.35, 7.35); Calibrated: 9/3/2008

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 (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.110 mW/g

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

Reference Value = 8.38 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.128 W/kg

SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.055 mW/g

Maximum value of SAR (measured) = 0.103 mW/g

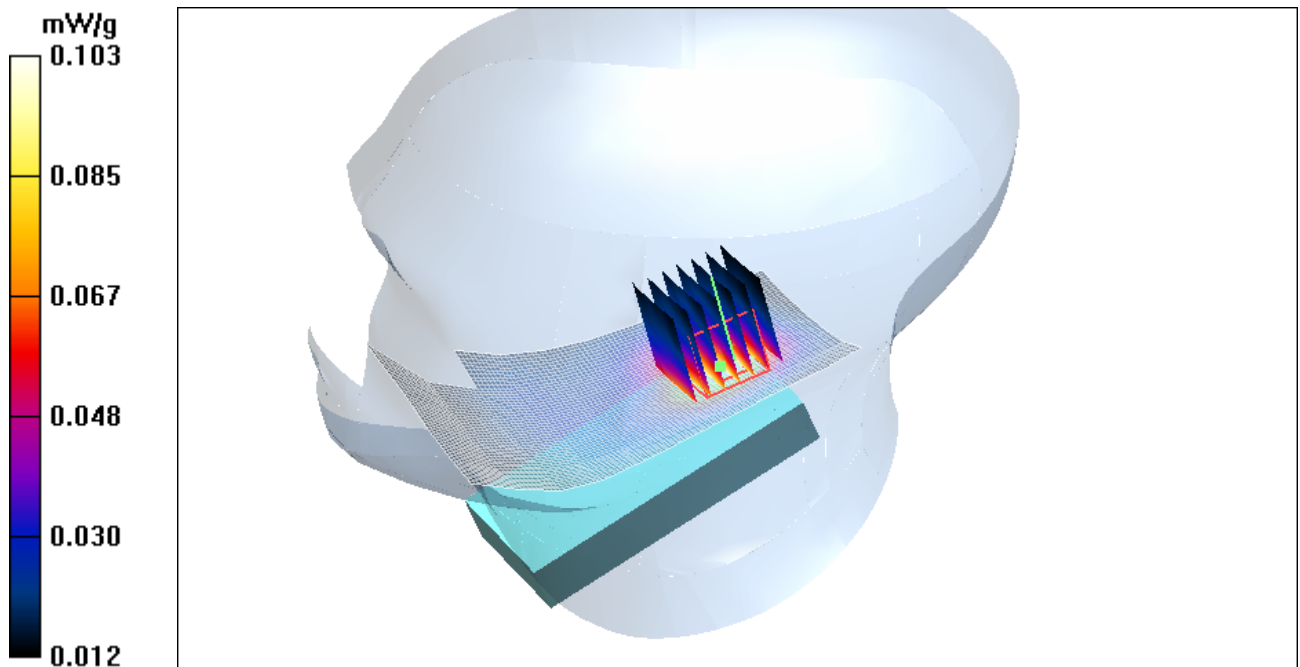


Figure 115 Right Hand Tilt 15° Slide Close GSM 1900 Channel 661

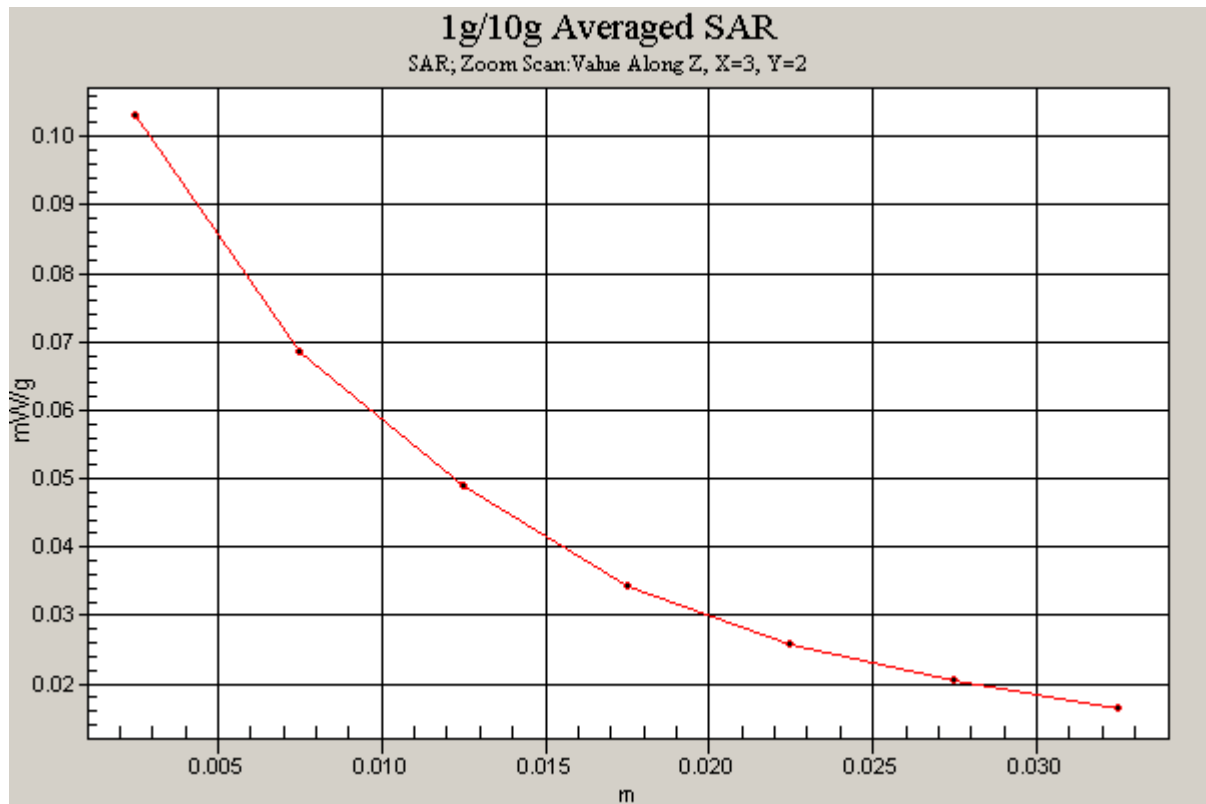


Figure 116 Z-Scan at power reference point (Right Hand Tilt 15° Slide Close GSM 1900 Channel 661)

GSM 1900 Towards Ground High Slide Close

Date/Time: 6/25/2009 5:25:27 AM

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

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.57$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.150 mW/g

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

Reference Value = 7.18 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.145 mW/g

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

Reference Value = 7.18 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.075 mW/g

Maximum value of SAR (measured) = 0.115 mW/g

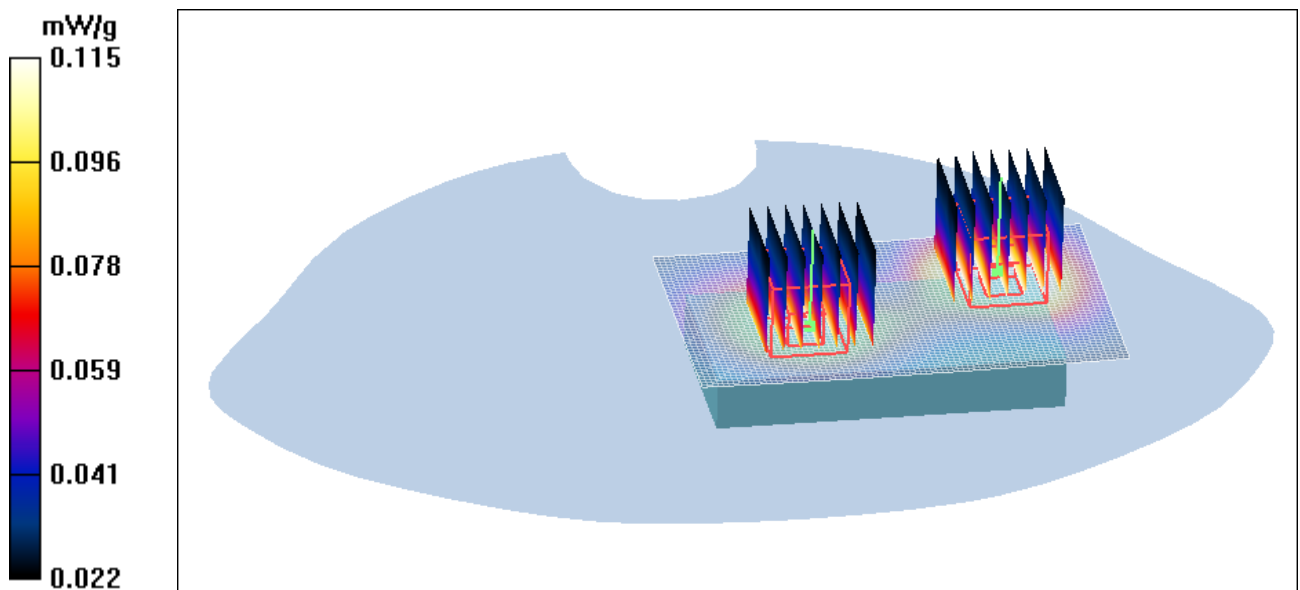


Figure 117 Body, Towards Ground, Slide Close GSM 1900 Channel 810

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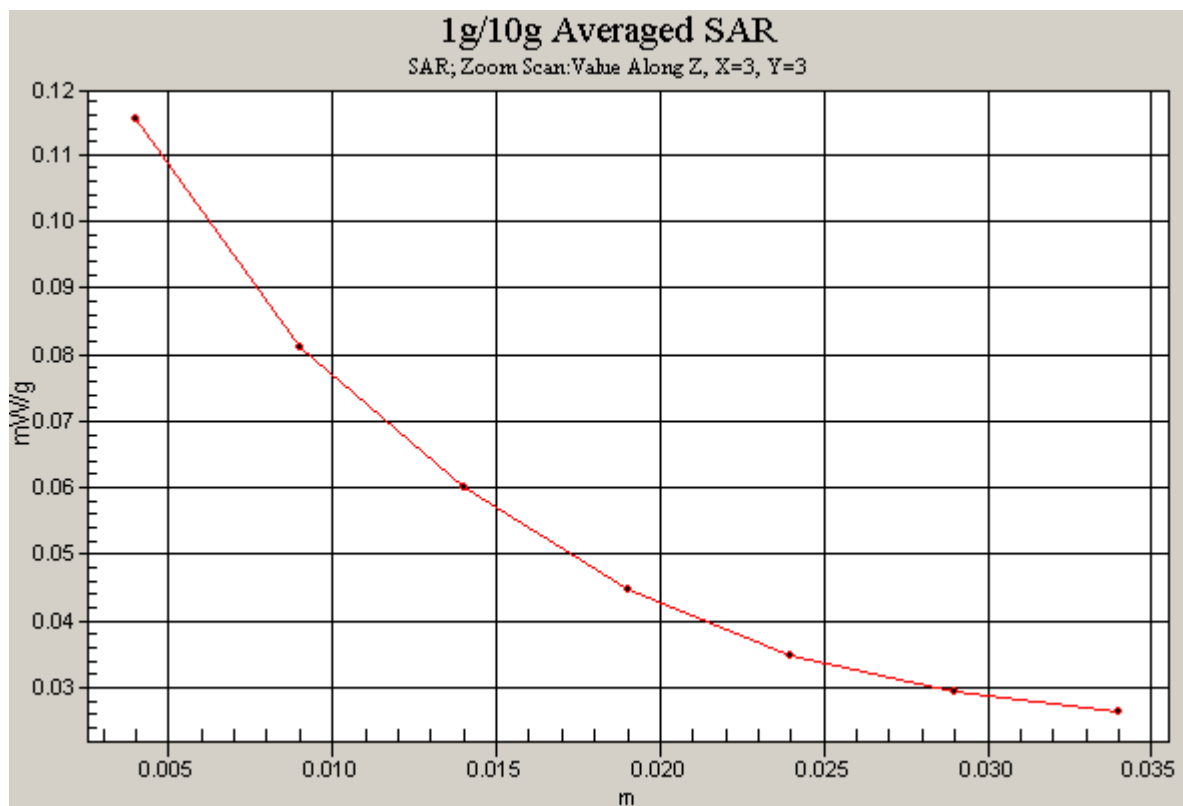
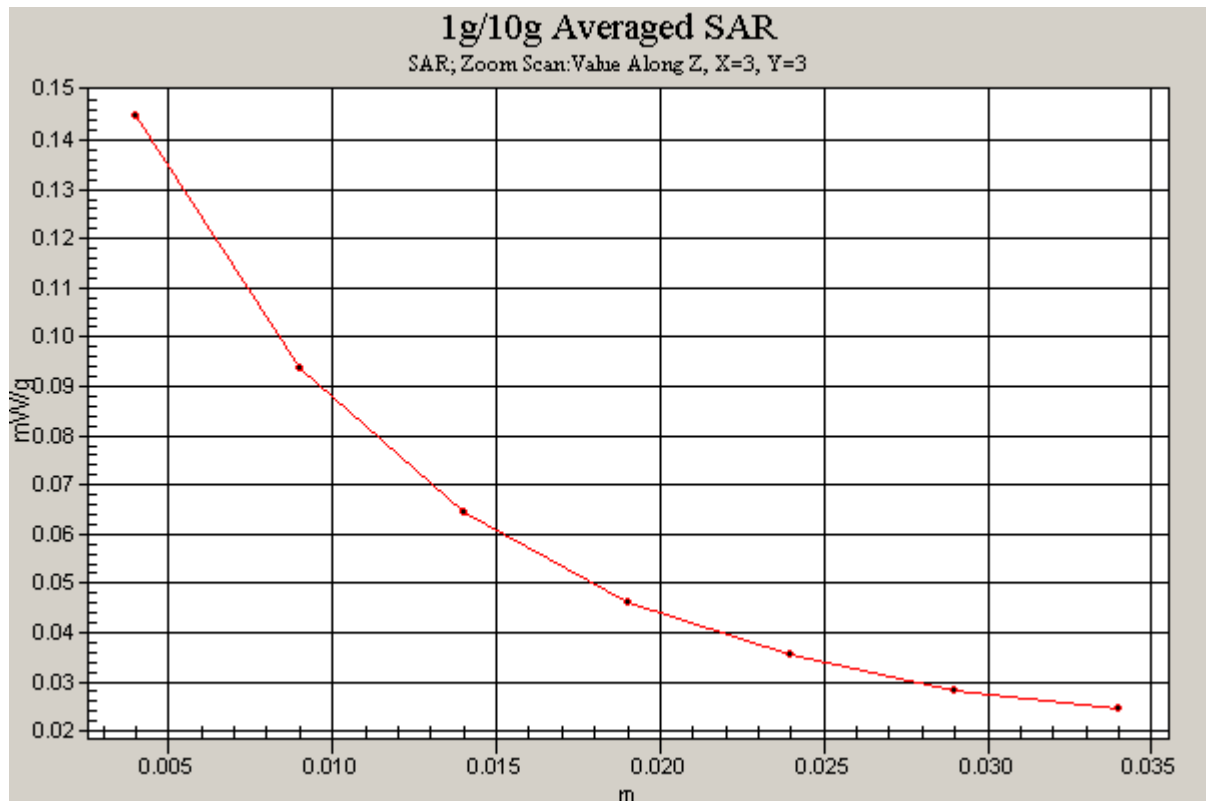


Figure 118 Z-Scan at power reference point (Body, Towards Ground, Slide Close GSM 1900 Channel 810)

GSM 1900 Towards Ground Middle Slide Close

Date/Time: 6/25/2009 4:56:13 AM

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.126 mW/g

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

Reference Value = 6.79 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.173 W/kg

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.119 mW/g

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

Reference Value = 6.79 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.141 W/kg

SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 0.104 mW/g

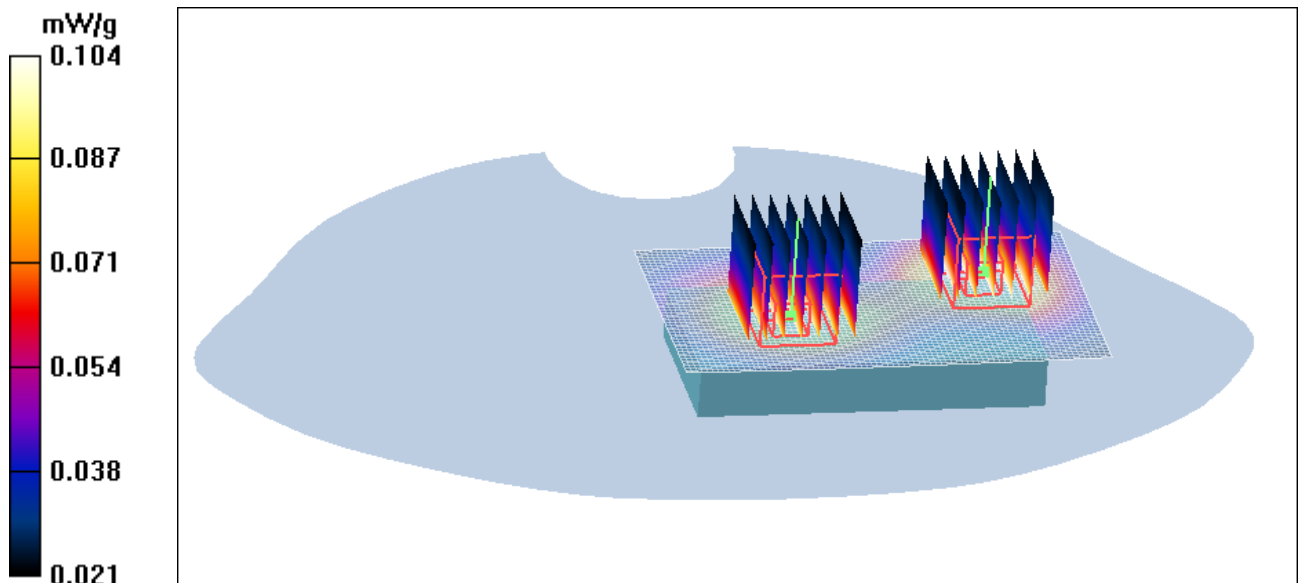


Figure 119 Body, Towards Ground, Slide Close GSM 1900 Channel 661

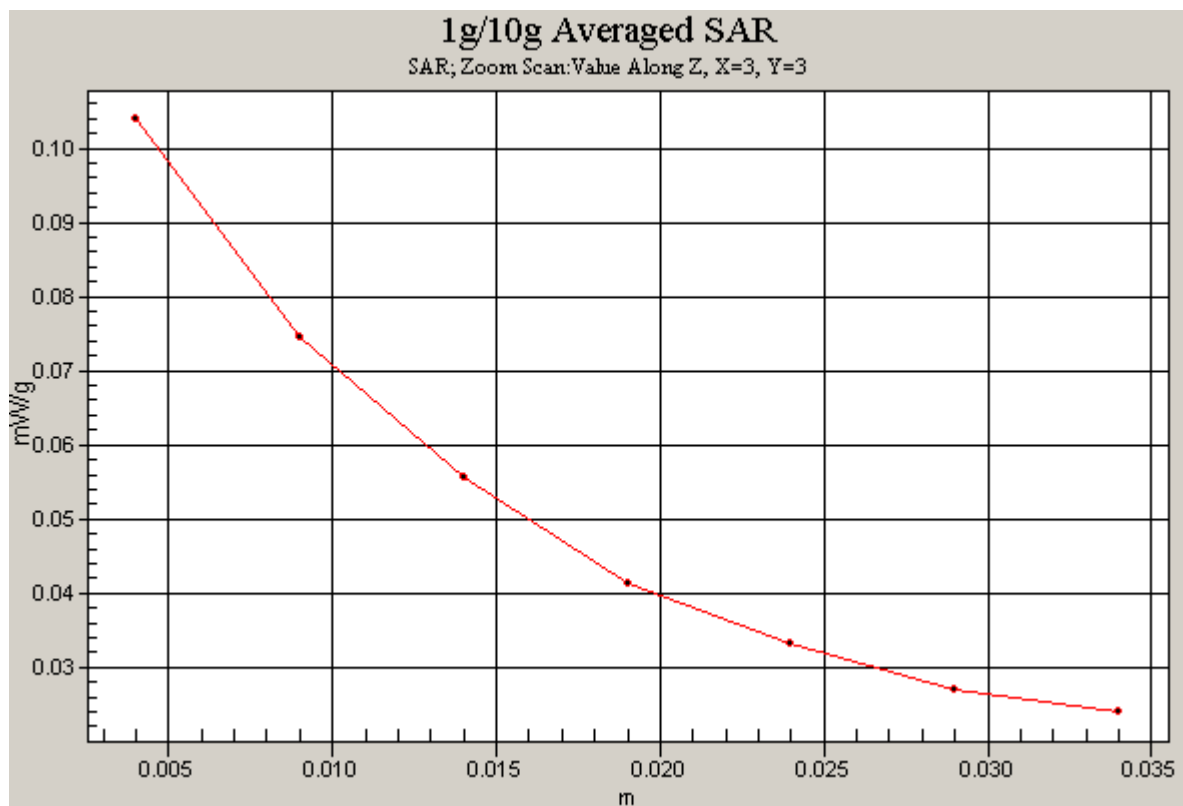
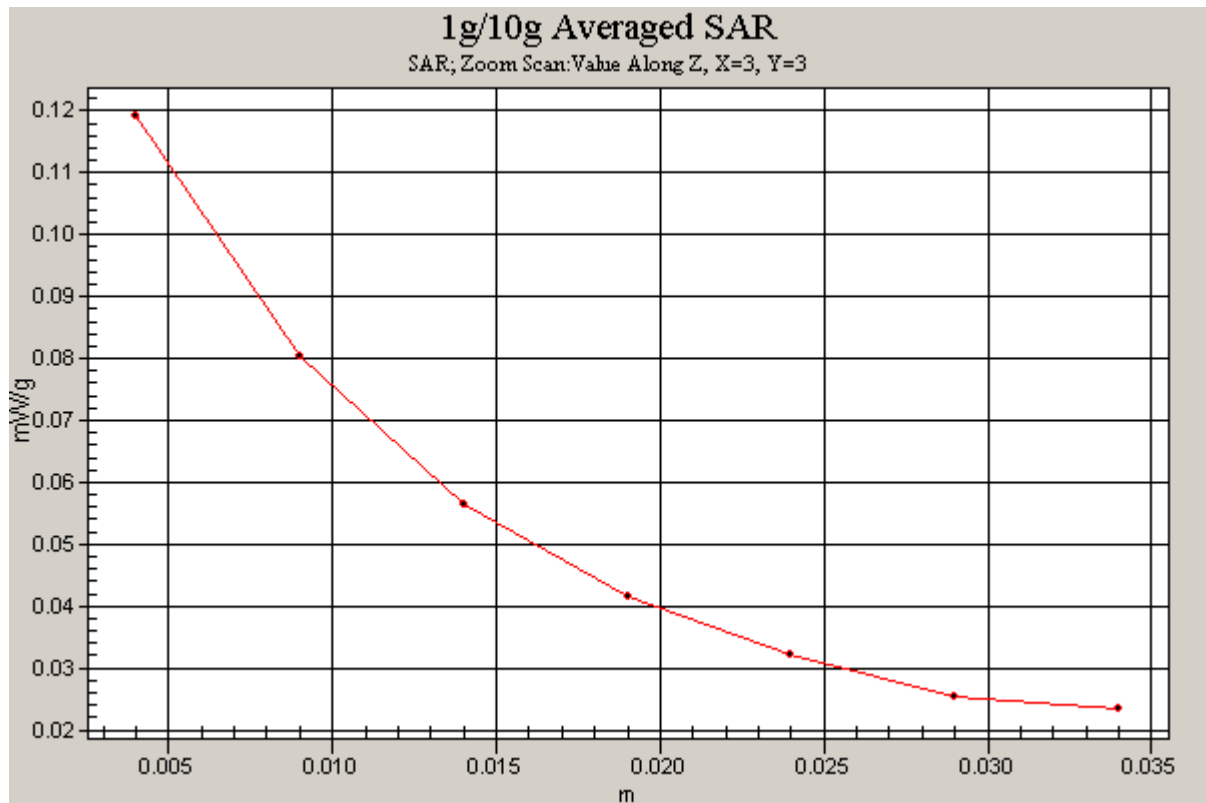


Figure 120 Z-Scan at power reference point (Body, Towards Ground, Slide Close GSM 1900 Channel 661)

GSM 1900 Towards Ground Low Slide Close

Date/Time: 6/25/2009 5:58:16 AM

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

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

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3660; ConvF(7.45, 7.45, 7.45); Calibrated: 9/3/2008

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 (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.095 mW/g

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

Reference Value = 5.95 V/m; Power Drift = 0.159 dB

Peak SAR (extrapolated) = 0.132 W/kg

SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.059 mW/g

Maximum value of SAR (measured) = 0.092 mW/g

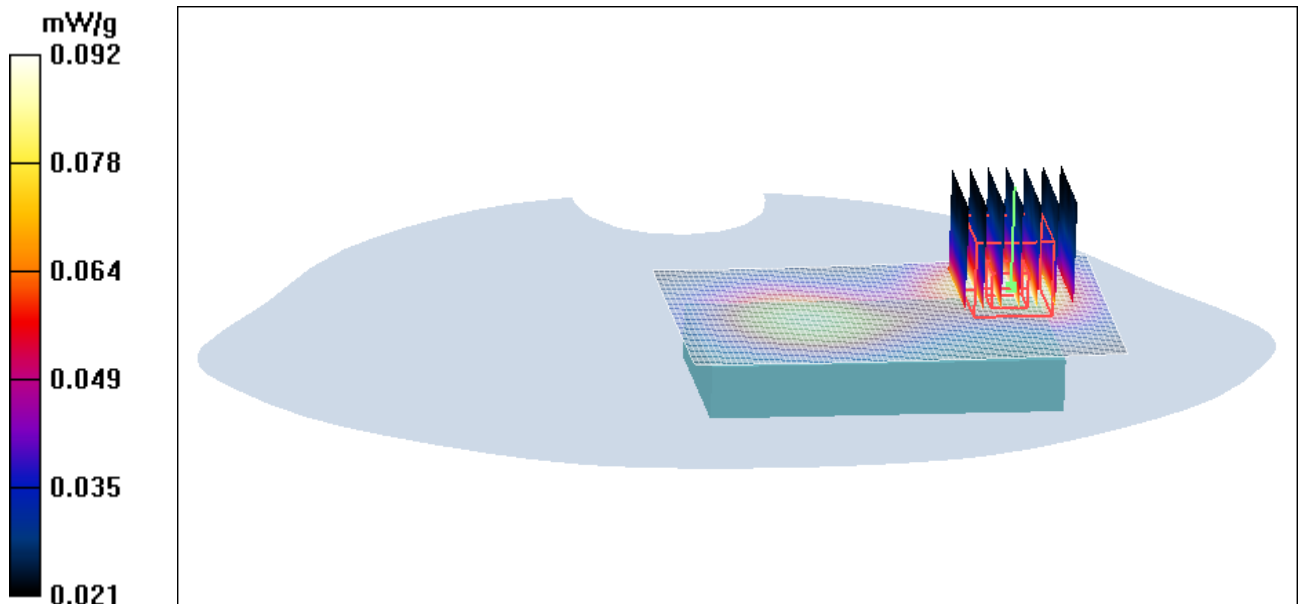


Figure 121 Body, Towards Ground, Slide Close GSM 1900 Channel 512

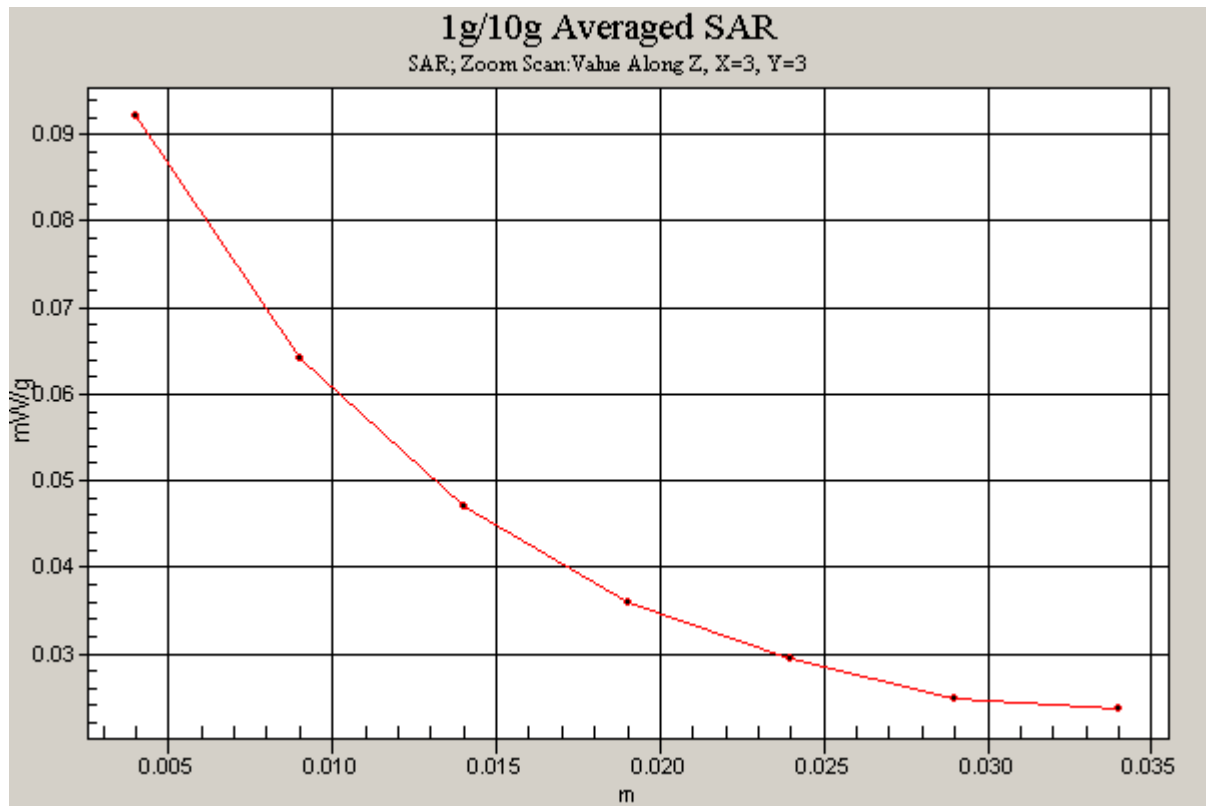


Figure 122 Z-Scan at power reference point (Body, Towards Ground, Slide Close GSM 1900 Channel 512)