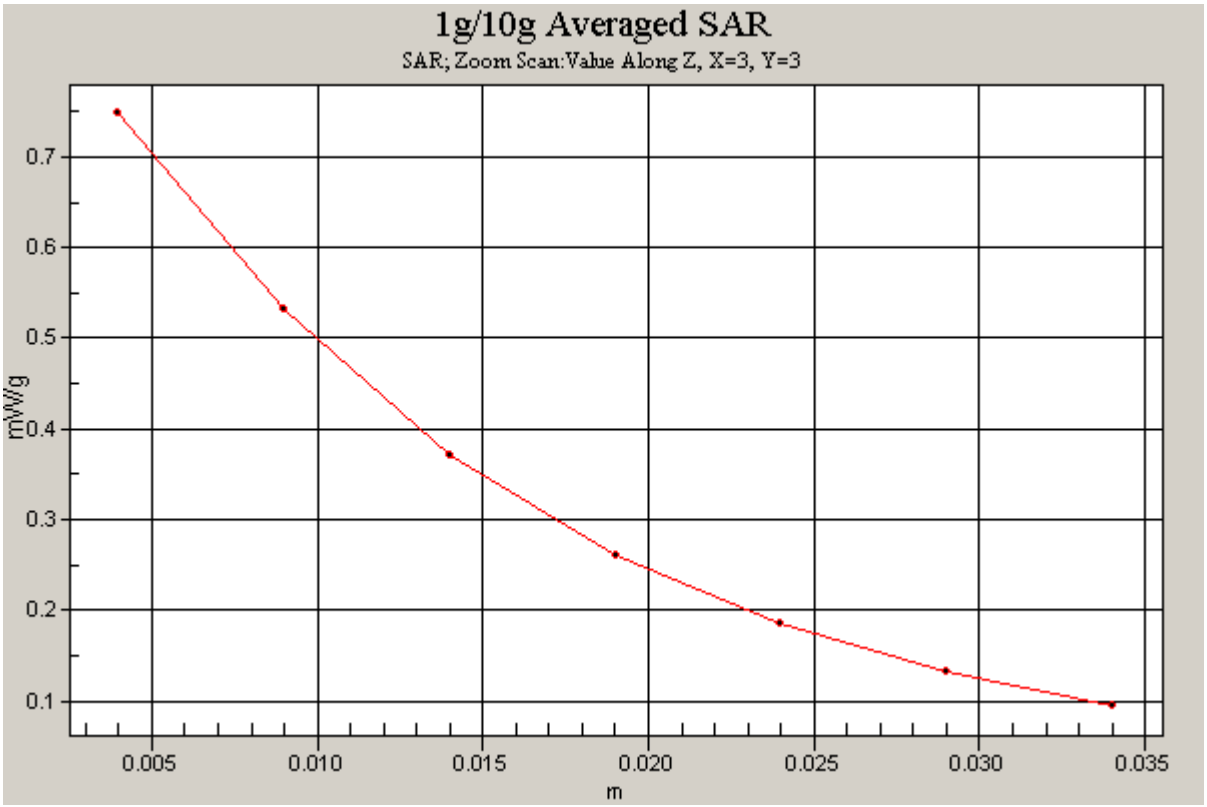


Figure 36 Z-Scan at power reference point (Body, Towards Ground, Open GSM 850 Channel 128)

GSM 850 Towards Ground with Earphone Low Open

Date/Time: 8/16/2009 4:43:06 PM
Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 824.2 MHz; σ = 1.01 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(6.14, 6.14, 6.14); 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

Towards Ground Low/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.682 mW/g

Towards Ground Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.4 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.857 W/kg
SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.424 mW/g
Maximum value of SAR (measured) = 0.671 mW/g

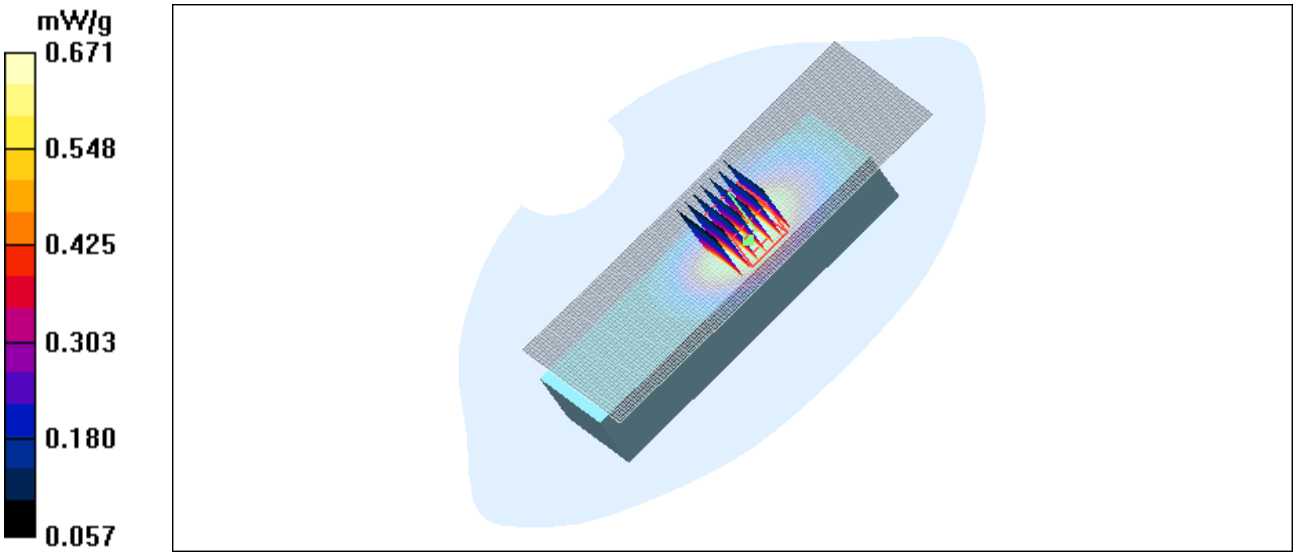


Figure 37 Body with Earphone, Towards Ground, Open GSM 850 Channel 128

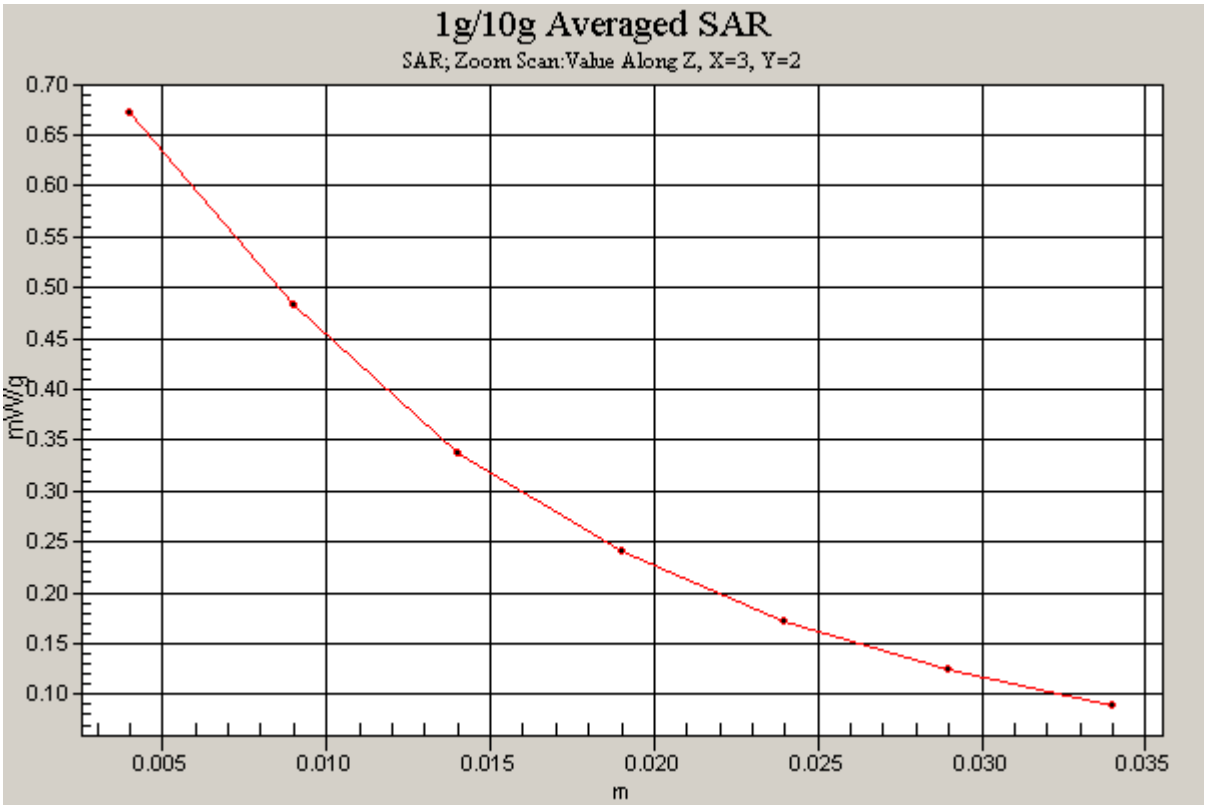


Figure 38 Z-Scan at power reference point (Body with Earphone, Towards Ground, Open GSM 850 Channel 128)

GSM 850+GPRS(2Up) Towards Ground Low Open

Date/Time: 8/16/2009 3:10:02 PM

Communication System: GSM850 + GPRS(2Up); Frequency: 824.2 MHz;Duty Cycle: 1:4

Medium parameters used (interpolated): f = 824.2 MHz; σ = 1.01 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(6.14, 6.14, 6.14); 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

Towards Ground Low/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.35 mW/g

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

Reference Value = 27.0 V/m; Power Drift = 0.177 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.853 mW/g

Maximum value of SAR (measured) = 1.35 mW/g

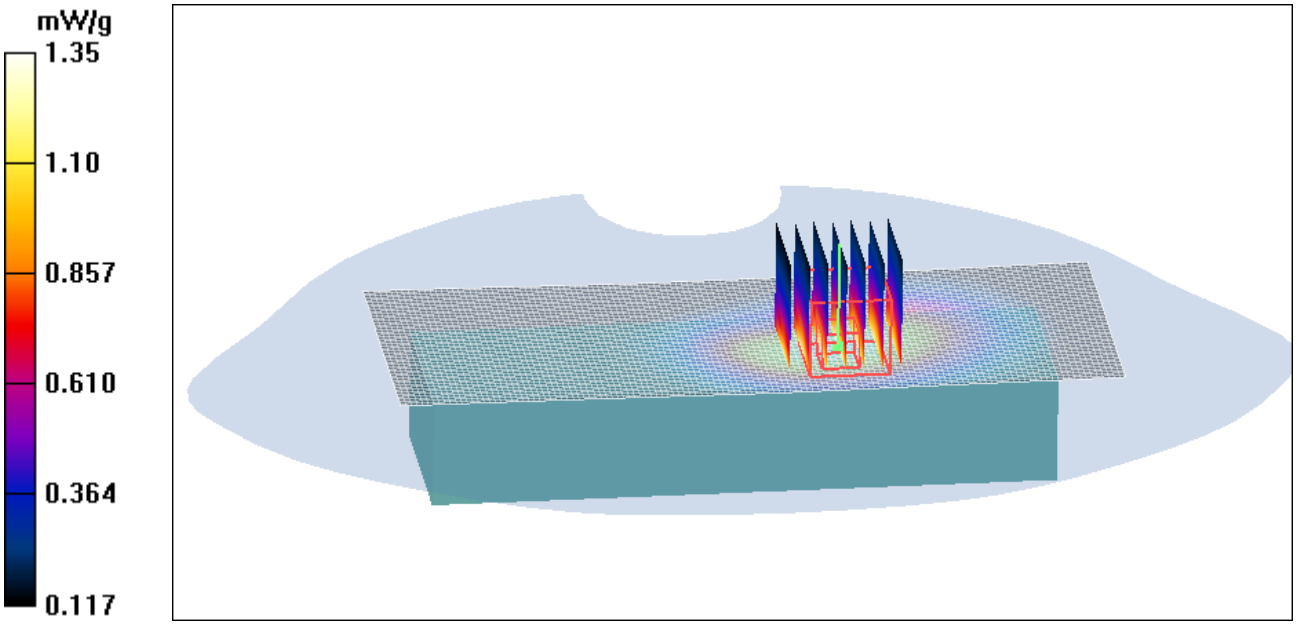


Figure 39 Body, Towards Ground, Open GSM 850 GPRS (2Up) Channel 128

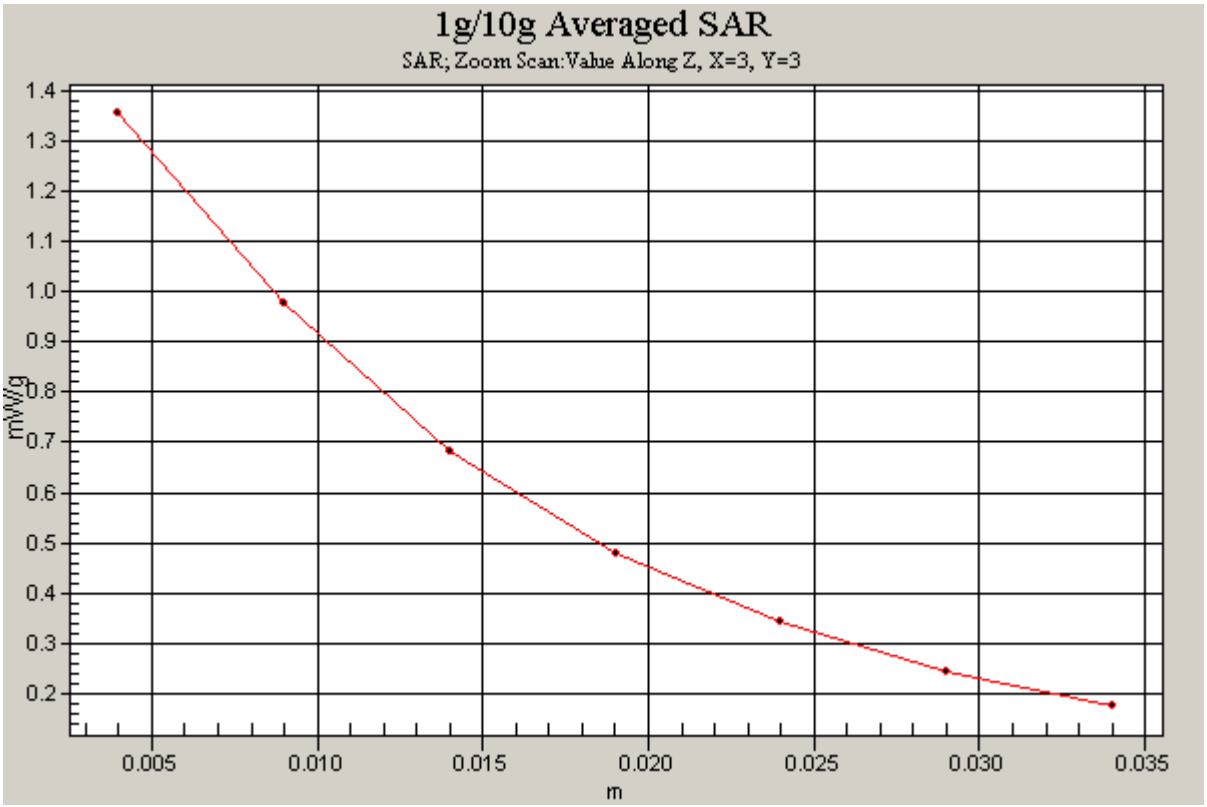


Figure 40 Z-Scan at power reference point (Body, Towards Ground, Open GSM 850 GPRS (2Up) Channel 128)

GSM 850 Towards Ground High Close

Date/Time: 8/16/2009 1:51:19 PM
Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 849 MHz; σ = 1.03 mho/m; ε_r = 54.9; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(6.14, 6.14, 6.14); 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

Towards Ground High/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.570 mW/g

Towards Ground High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 0.741 W/kg
SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.344 mW/g
Maximum value of SAR (measured) = 0.567 mW/g

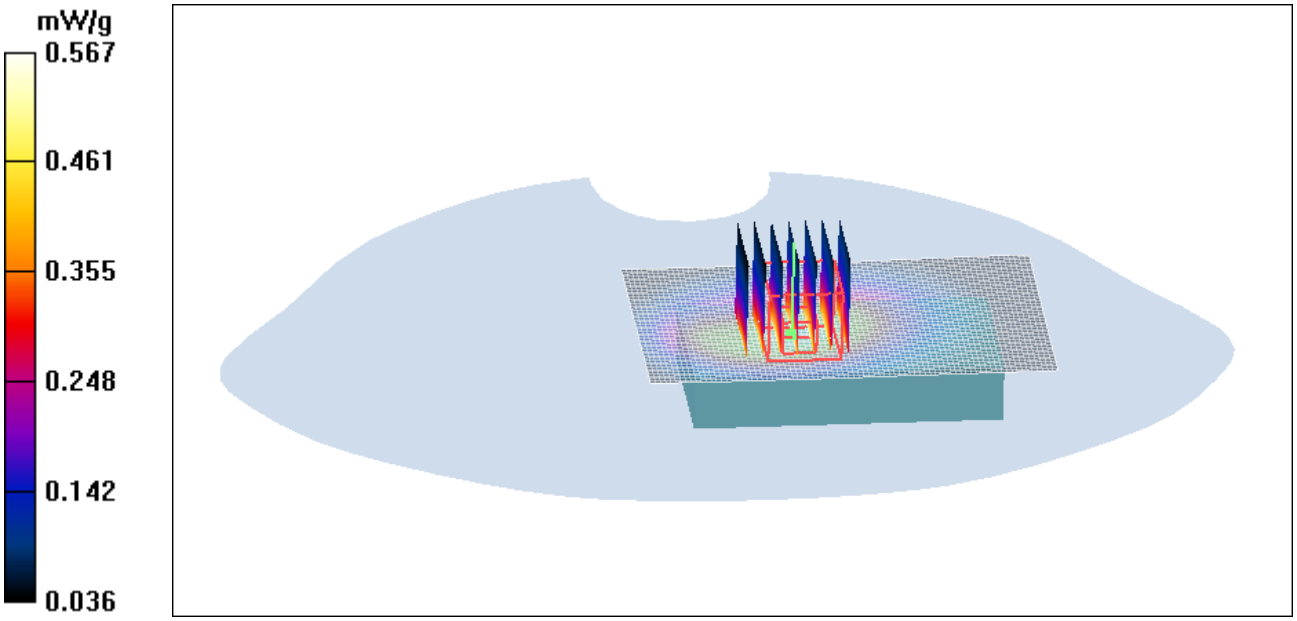


Figure 41 Body, Towards Ground, Close GSM 850 Channel 251

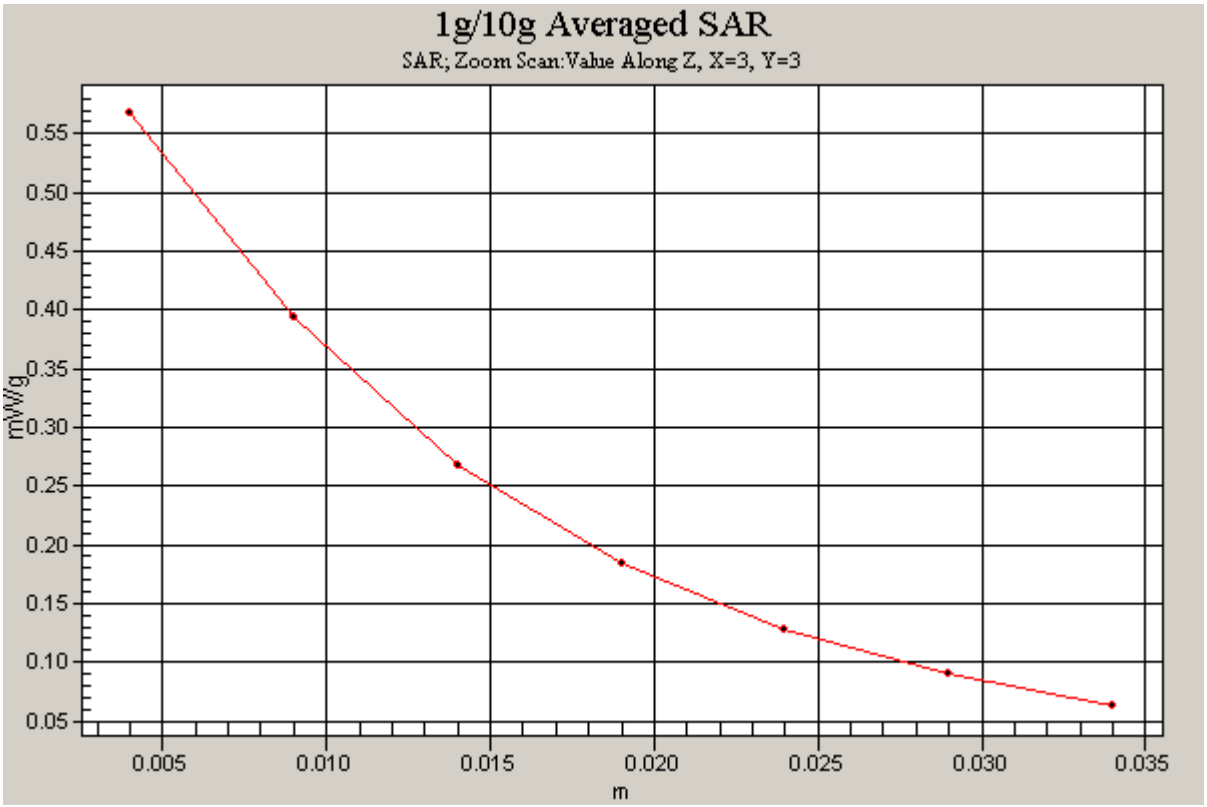


Figure 42 Z-Scan at power reference point (Body, Towards Ground,Close GSM 850 Channel 251)

GSM 850 Towards Ground Middle Close

Date/Time: 8/16/2009 1:34:14 PM
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 837 MHz; σ = 1.02 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(6.14, 6.14, 6.14); 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

Towards Ground Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.677 mW/g

Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.6 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 0.892 W/kg
SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.411 mW/g
Maximum value of SAR (measured) = 0.681 mW/g

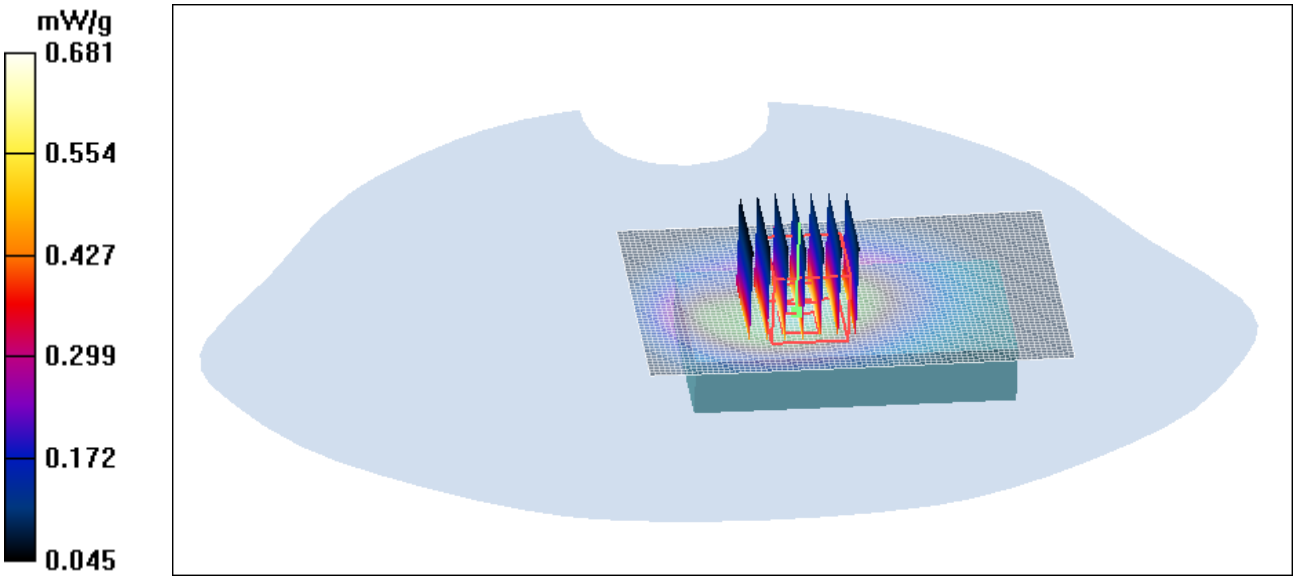


Figure 43 Body, Towards Ground, Close GSM 850 Channel 190

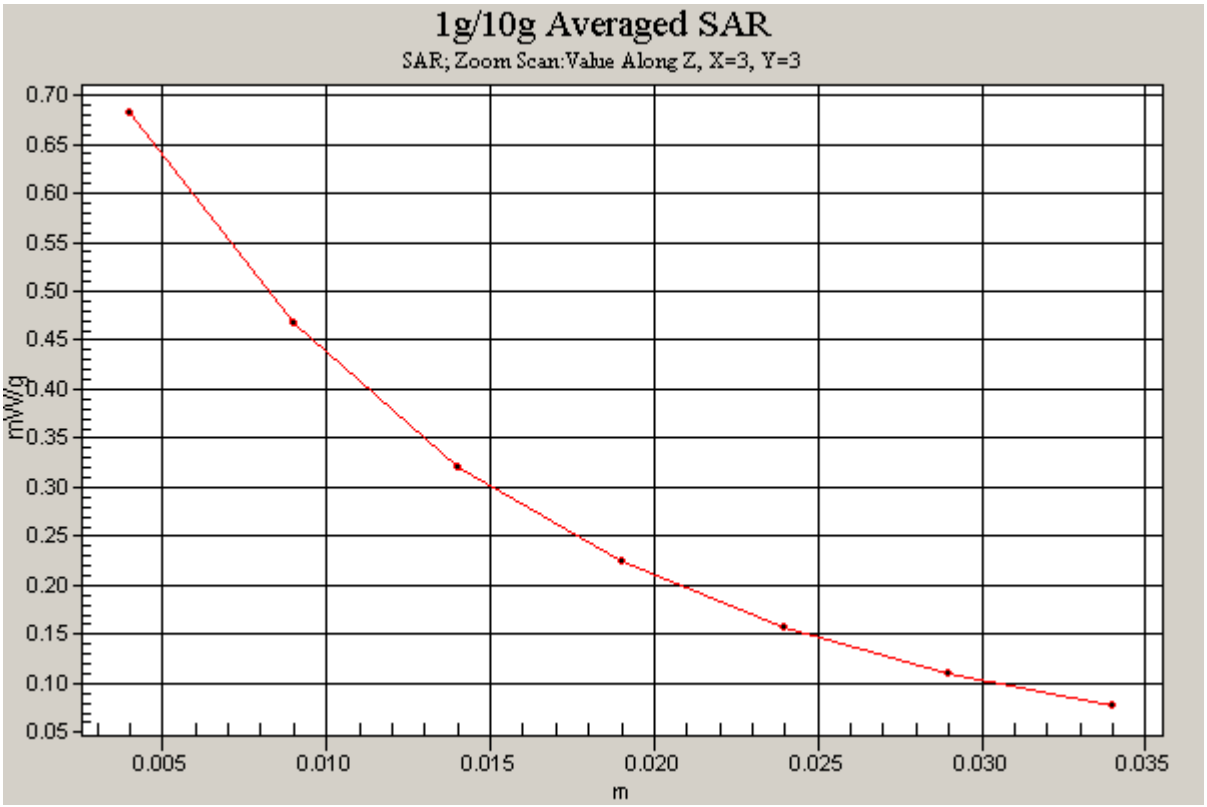


Figure 44 Z-Scan at power reference point (Body, Towards Ground, Close GSM 850 Channel 190)

GSM 850 Towards Ground Low Close

Date/Time: 8/16/2009 2:08:20 PM
Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 824.2 MHz; σ = 1.01 mho/m; ε_r = 55.2; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(6.14, 6.14, 6.14); 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

Towards Ground Low/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.555 mW/g

Towards Ground Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.8 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 0.719 W/kg
SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.335 mW/g
Maximum value of SAR (measured) = 0.546 mW/g

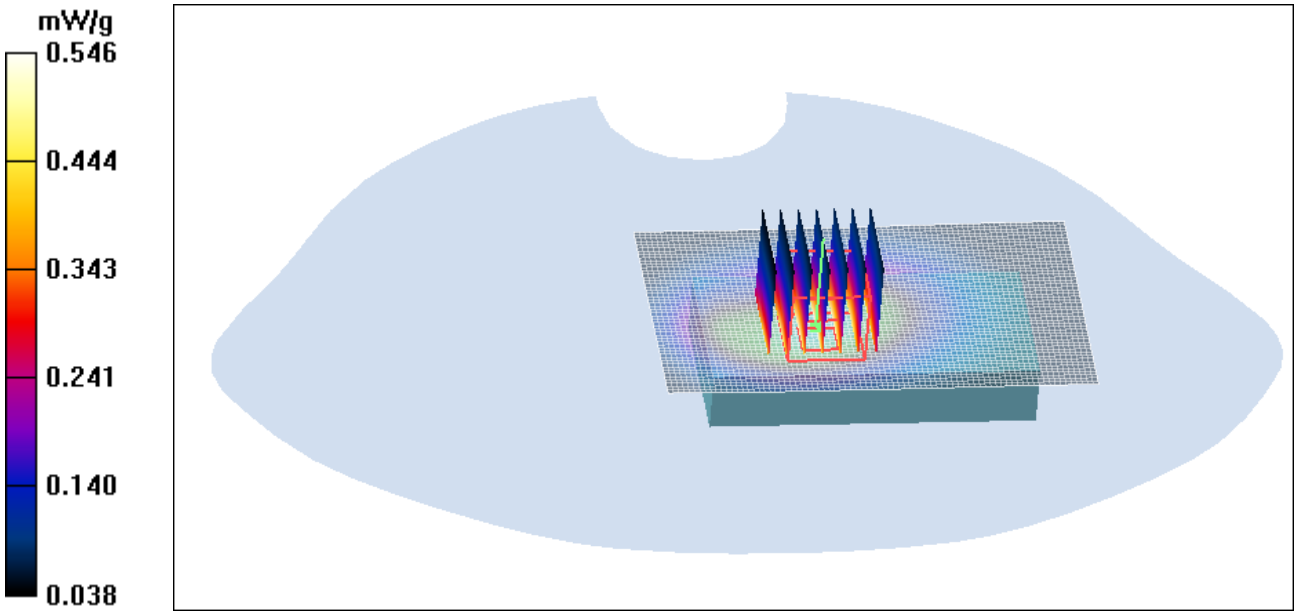


Figure 45 Body, Towards Ground, Close GSM 850 Channel 128

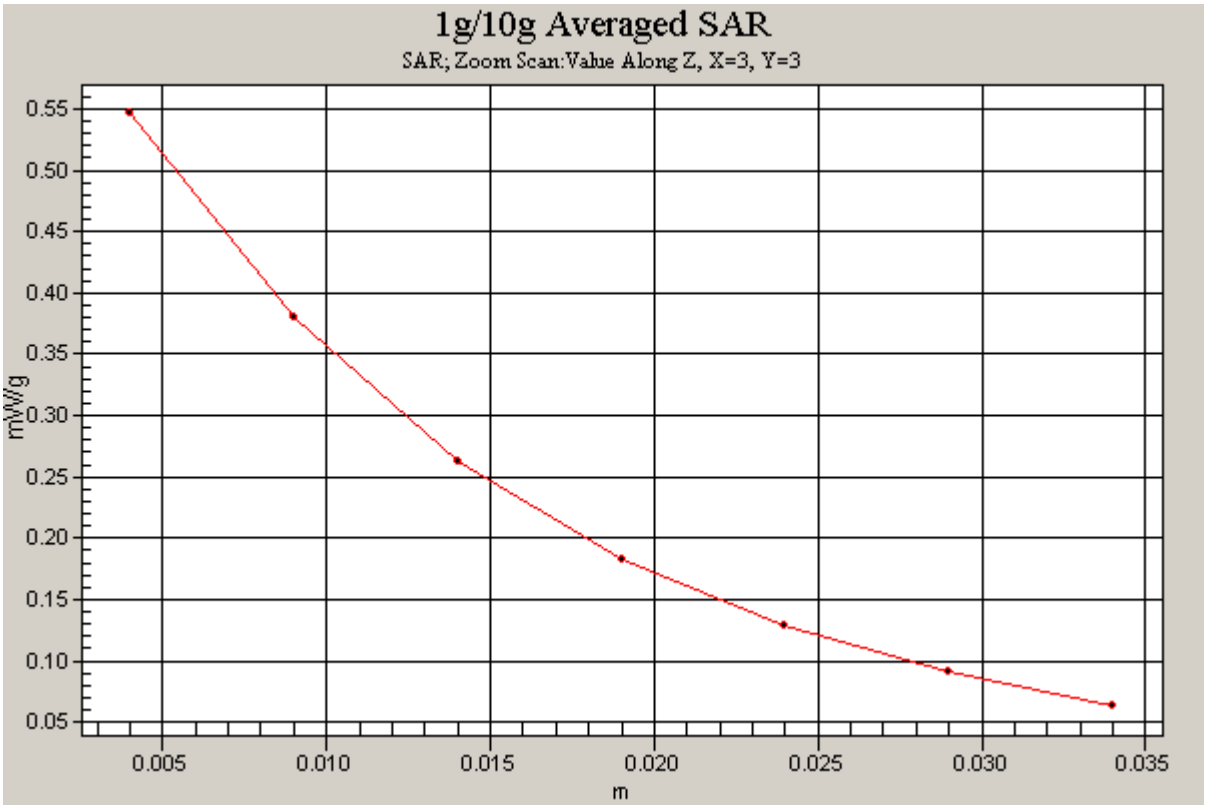


Figure 46 Z-Scan at power reference point (Body, Towards Ground, Close GSM 850 Channel 128)

GSM 850 Towards Phantom Middle Close

Date/Time: 8/16/2009 2:26:35 PM
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 837 MHz; σ = 1.02 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(6.14, 6.14, 6.14); 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

Towards Phantom Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.211 mW/g

Towards Phantom Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.263 W/kg
SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.141 mW/g
Maximum value of SAR (measured) = 0.212 mW/g

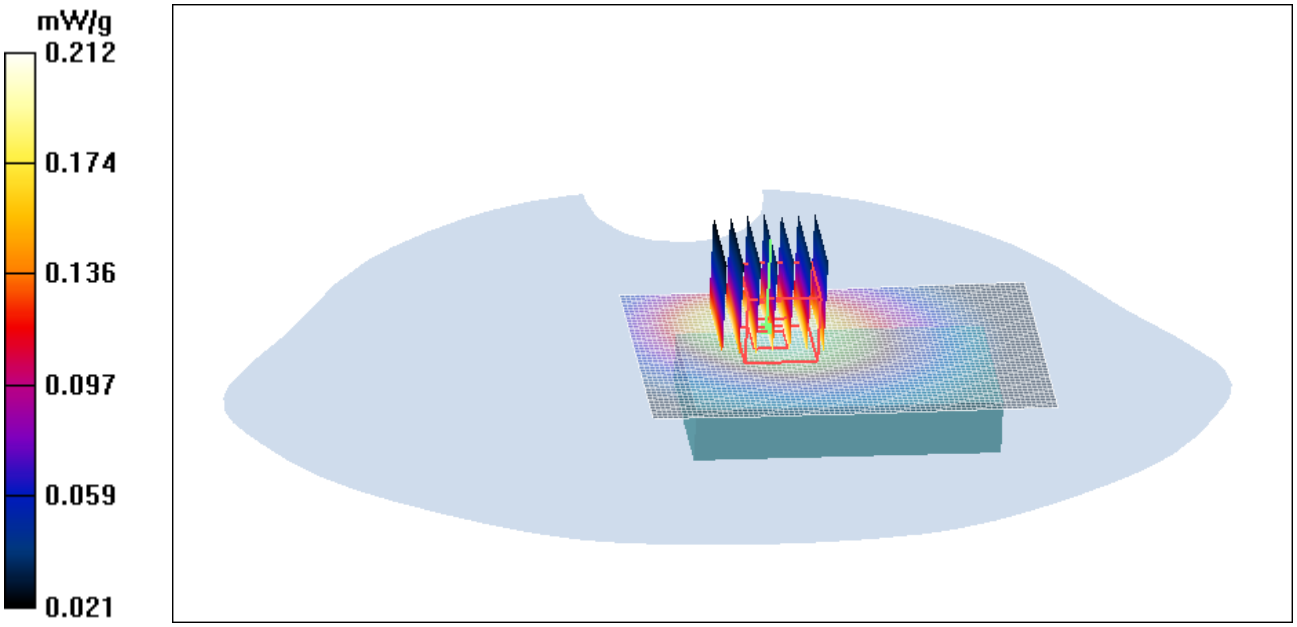


Figure 47 Body, Towards Phantom, Close GSM 850 Channel190

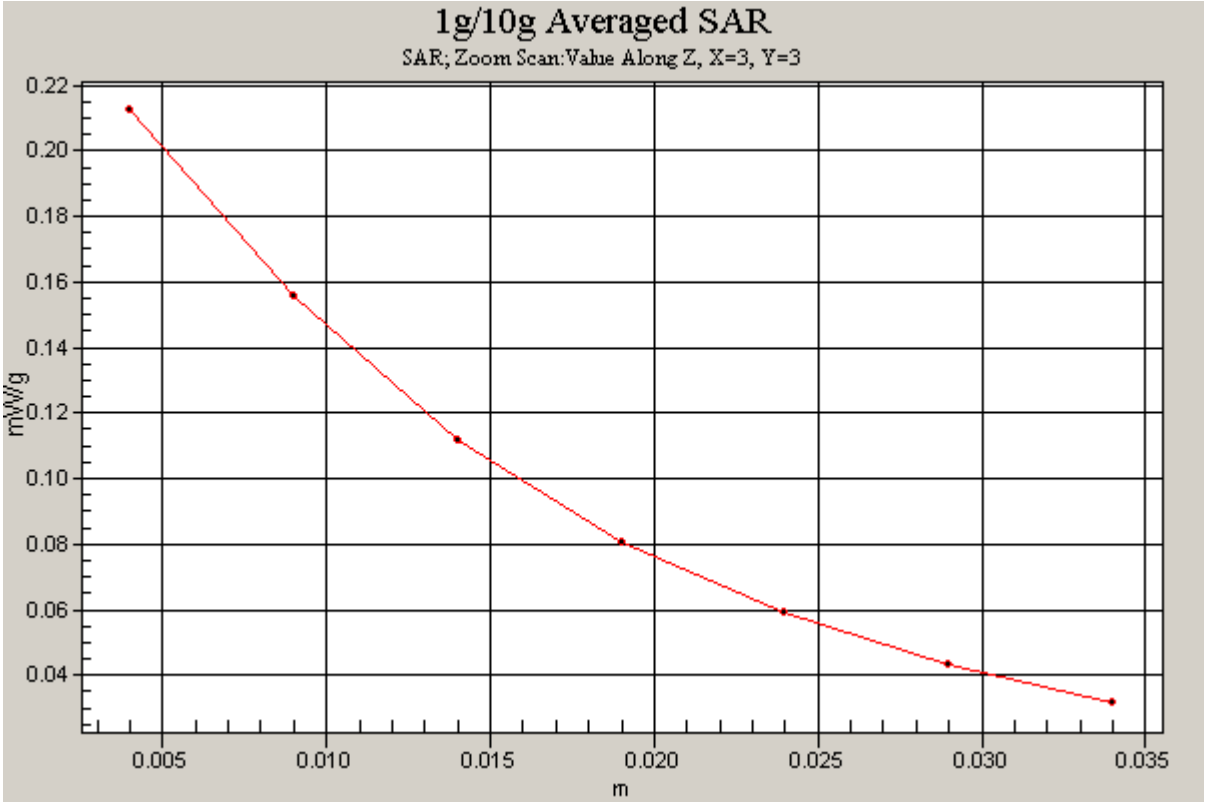


Figure 48 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 850 Channel190)

GSM 850 Towards Ground with Earphone Middle Close

Date/Time: 8/16/2009 5:07:54 PM
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 837 MHz; σ = 1.02 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(6.14, 6.14, 6.14); 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

Towards Ground Middle/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.594 mW/g

Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.8 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 0.764 W/kg
SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.354 mW/g
Maximum value of SAR (measured) = 0.578 mW/g

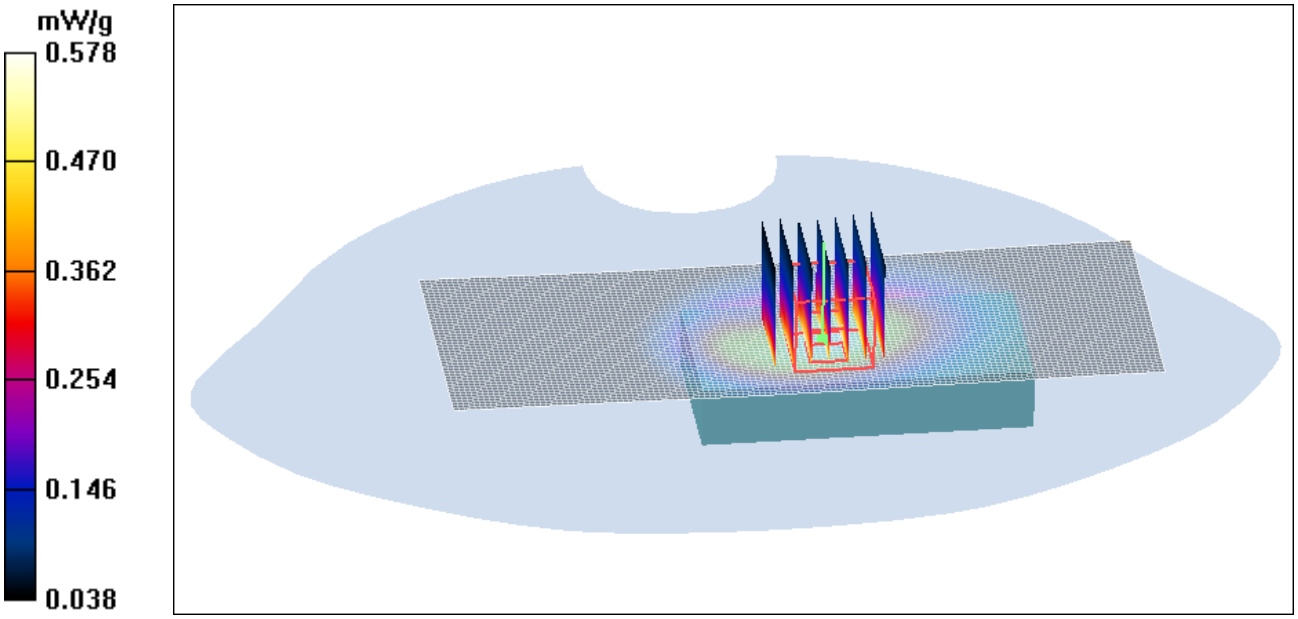


Figure 49 Body with Earphone, Towards Ground, Close GSM 850 Channel 190

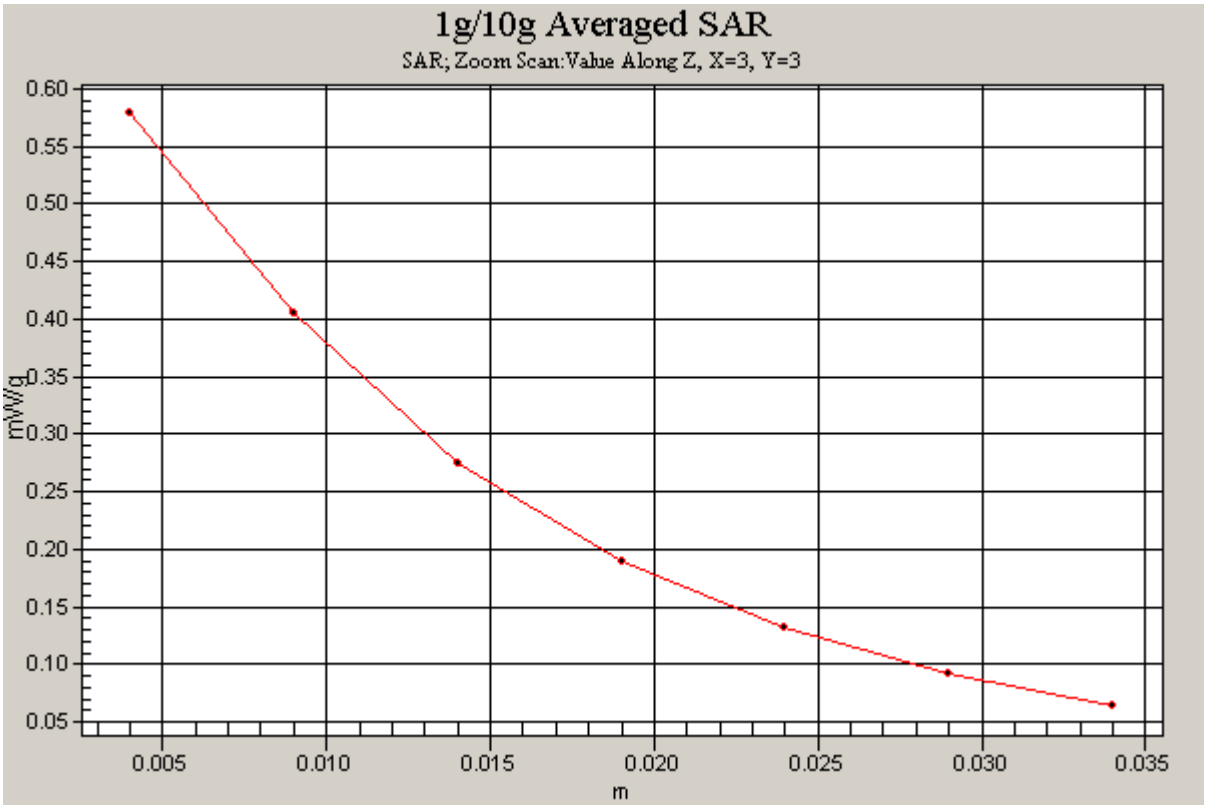


Figure 50 Z-Scan at power reference point (Body with Earphone, Towards Ground, Close GSM 850 Channel 190)

GSM 850+GPRS(2Up) Towards Ground Middle Close

Date/Time: 8/16/2009 6:03:21 PM

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

Medium parameters used: f = 837 MHz; σ = 1.02 mho/m; ε_r = 55; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(6.14, 6.14, 6.14); 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

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

Maximum value of SAR (interpolated) = 1.03 mW/g

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

Reference Value = 23.8 V/m; Power Drift = -0.097 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.971 mW/g; SAR(10 g) = 0.637 mW/g

Maximum value of SAR (measured) = 1.06 mW/g

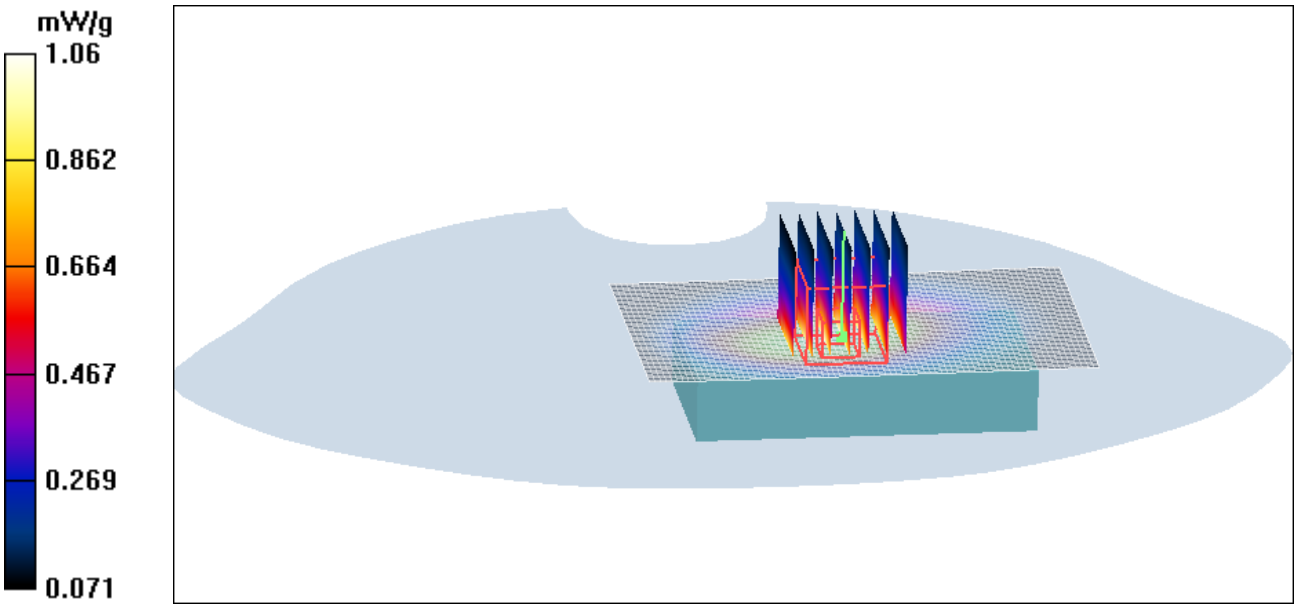


Figure 51 Body, Towards Ground, Close GSM 850 GPRS(2up) Channel 190

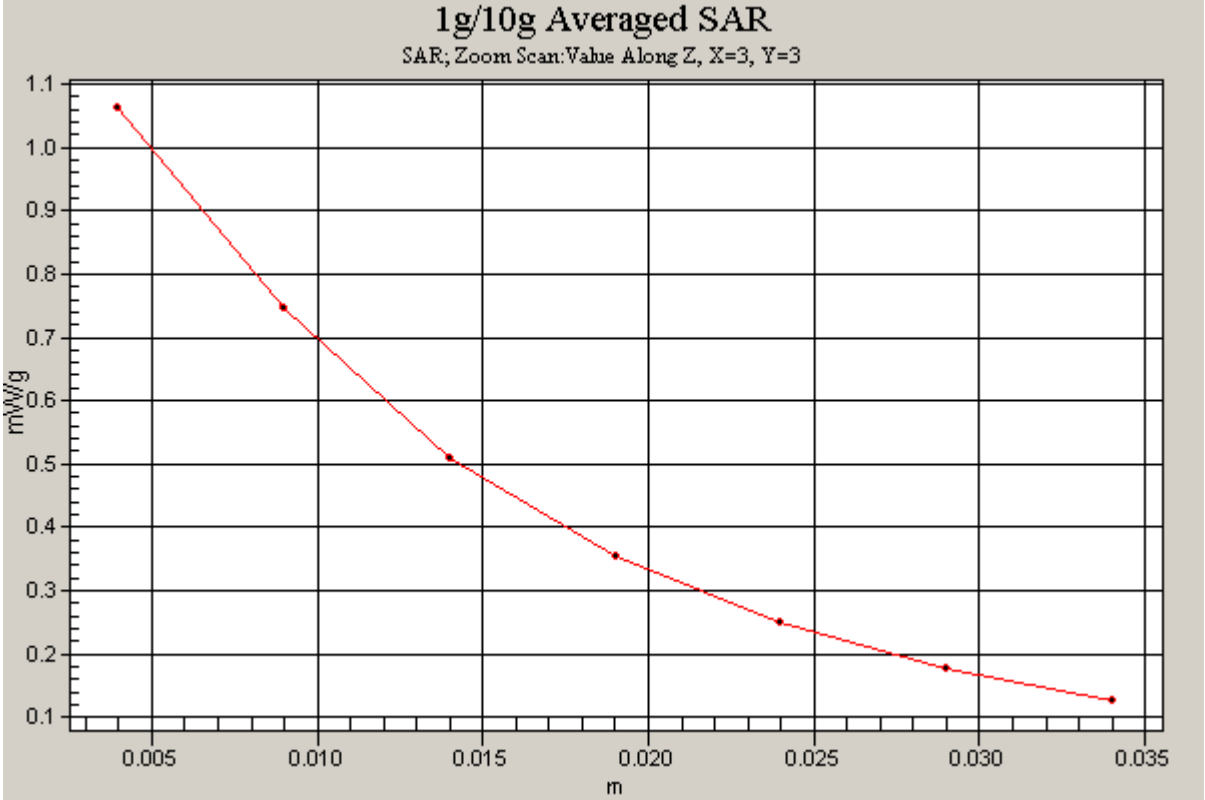


Figure 52 Z-Scan at power reference point (Body, Towards Ground, Close GSM 850 GPRS(2up) Channel 190)

GSM 1900 Left Cheek High Open

Date/Time: 8/16/2009 7:31:41 PM
Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1910 MHz; σ = 1.42 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
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 (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.891 mW/g

Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.19 V/m; Power Drift = -0.035 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.894 mW/g; SAR(10 g) = 0.491 mW/g
Maximum value of SAR (measured) = 1.00 mW/g

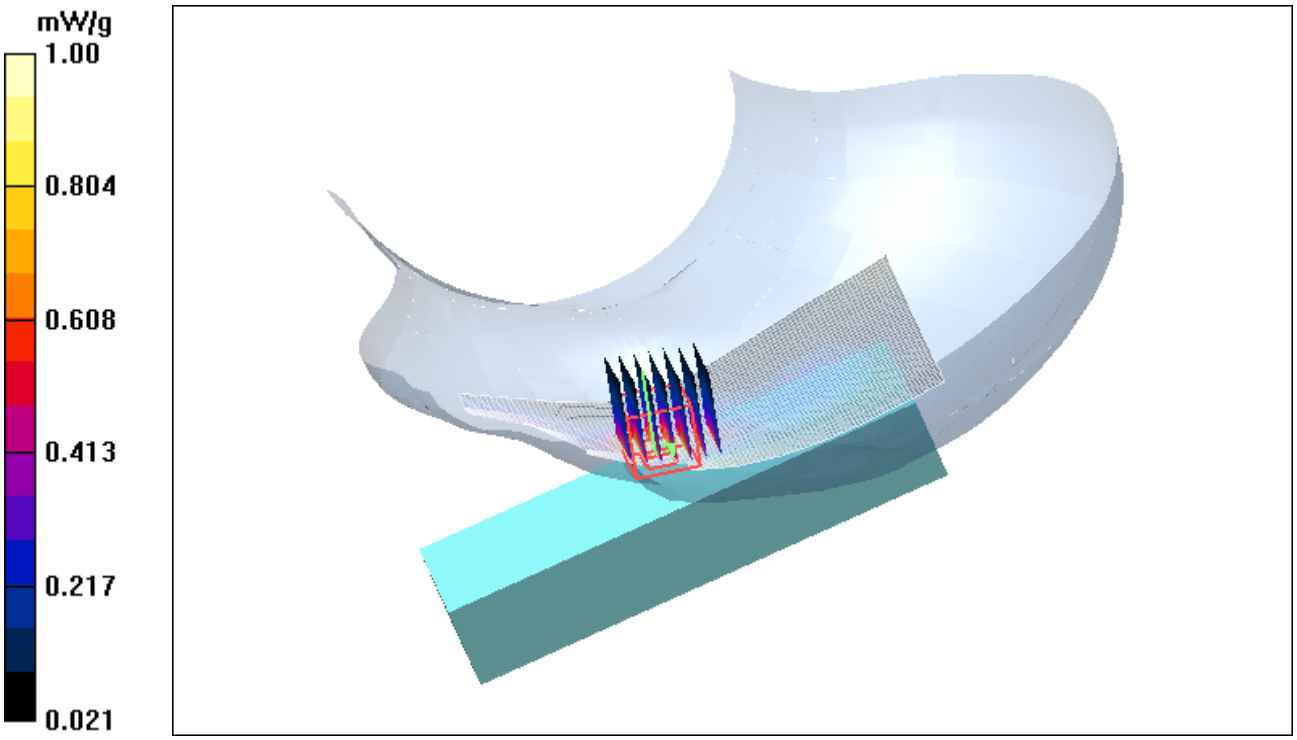


Figure 53 Left Hand Touch Cheek Open GSM 1900 Channel 810

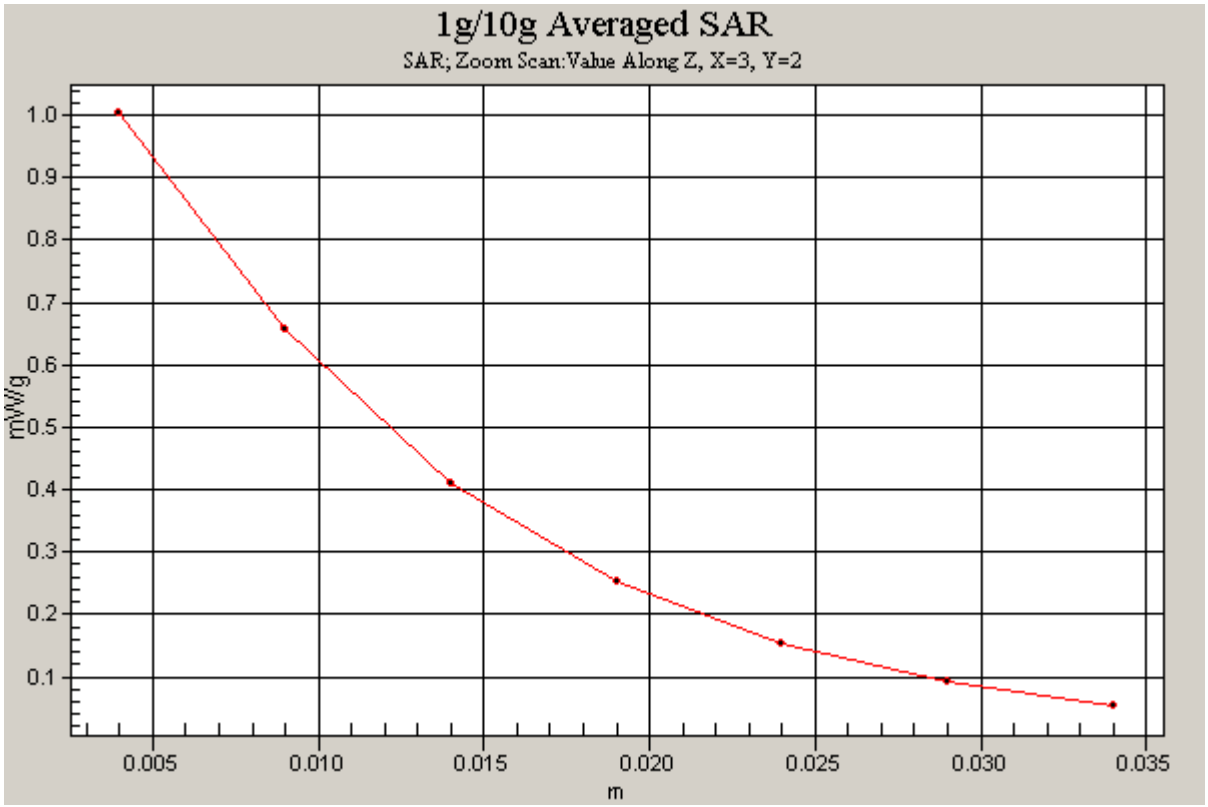


Figure 54 Z-Scan at power reference point (Left Hand Touch Cheek Open GSM 1900 Channel 810)

GSM 1900 Left Cheek Middle Open

Date/Time: 8/16/2009 6:49:10 PM
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
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 (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.06 mW/g

Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.1 V/m; Power Drift = -0.177 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.591 mW/g
Maximum value of SAR (measured) = 1.18 mW/g

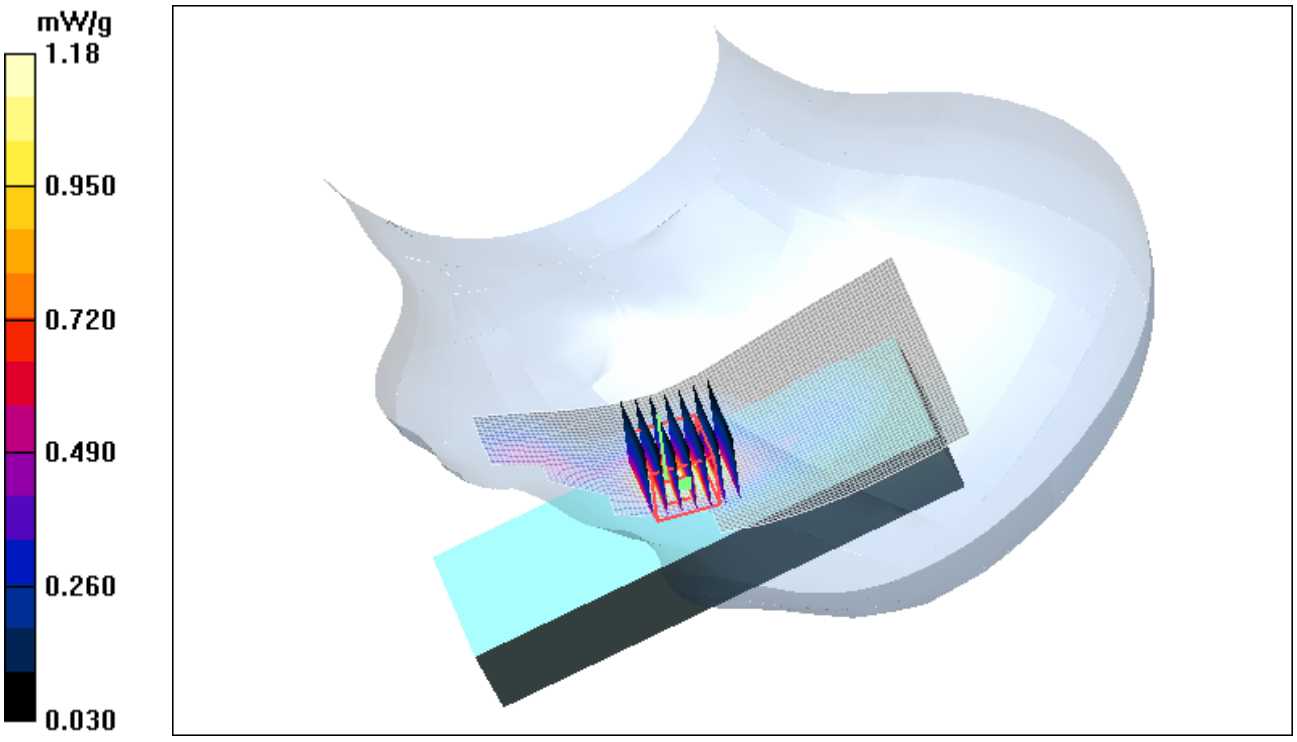


Figure 55 Left Hand Touch Cheek Open GSM 1900 Channel 661

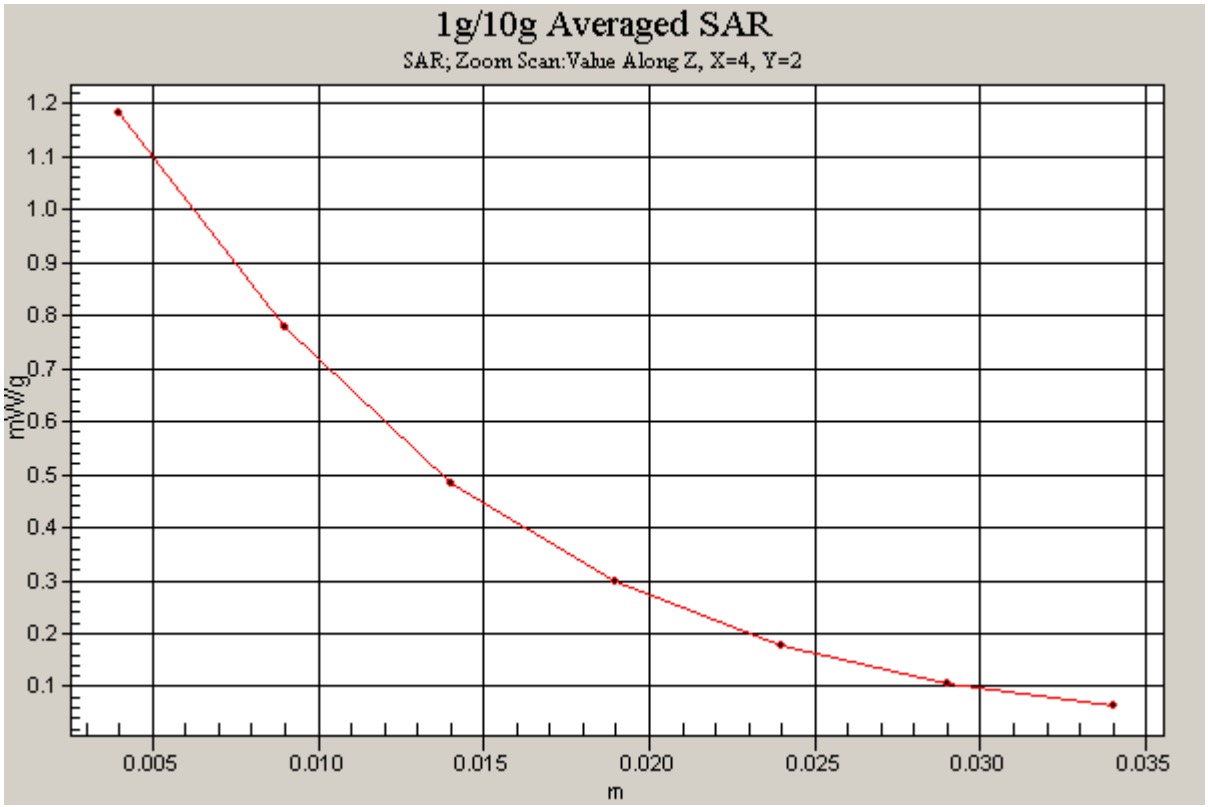


Figure 56 Z-Scan at power reference point (Left Hand Touch Cheek Open GSM 1900 Channel 661)

GSM 1900 Left Cheek Low Open

Date/Time: 8/16/2009 7:51:51 PM
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.37 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
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 (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.912 mW/g

Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.42 V/m; Power Drift = -0.105 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.521 mW/g
Maximum value of SAR (measured) = 1.04 mW/g

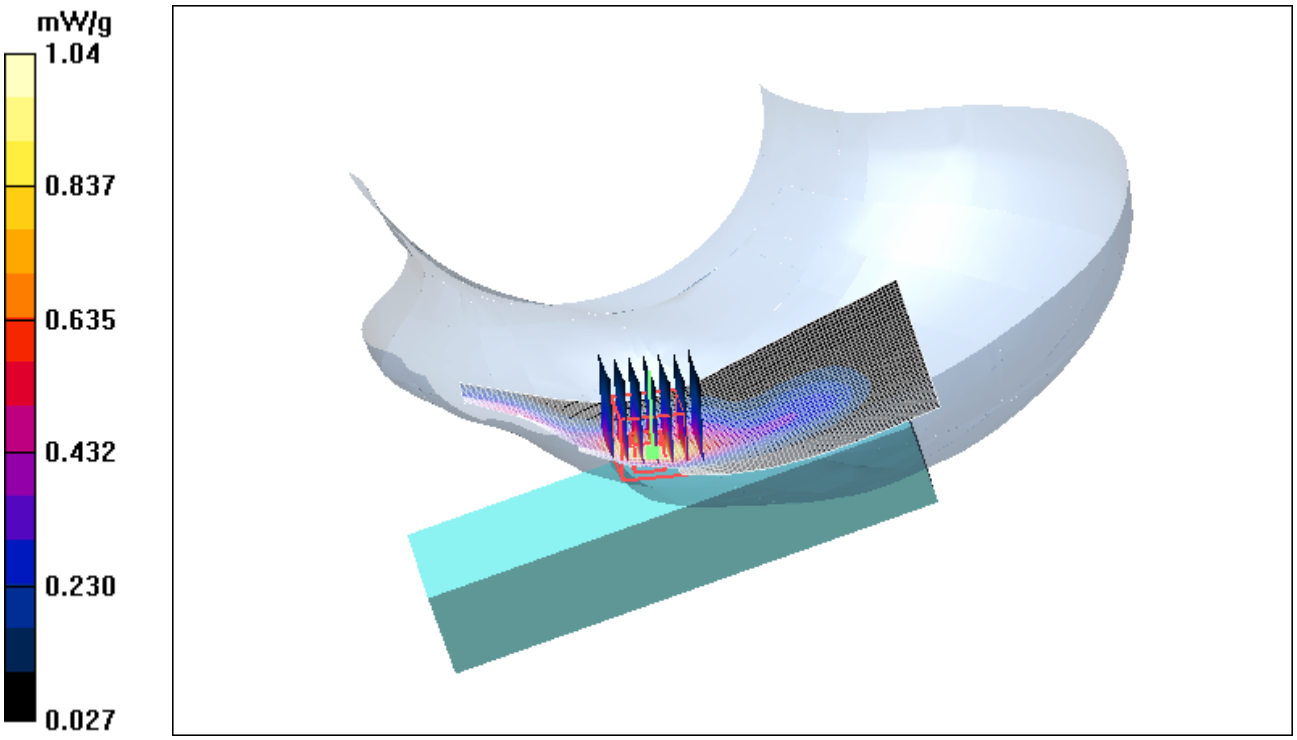


Figure 57 Left Hand Touch Cheek Open GSM 1900 Channel 512

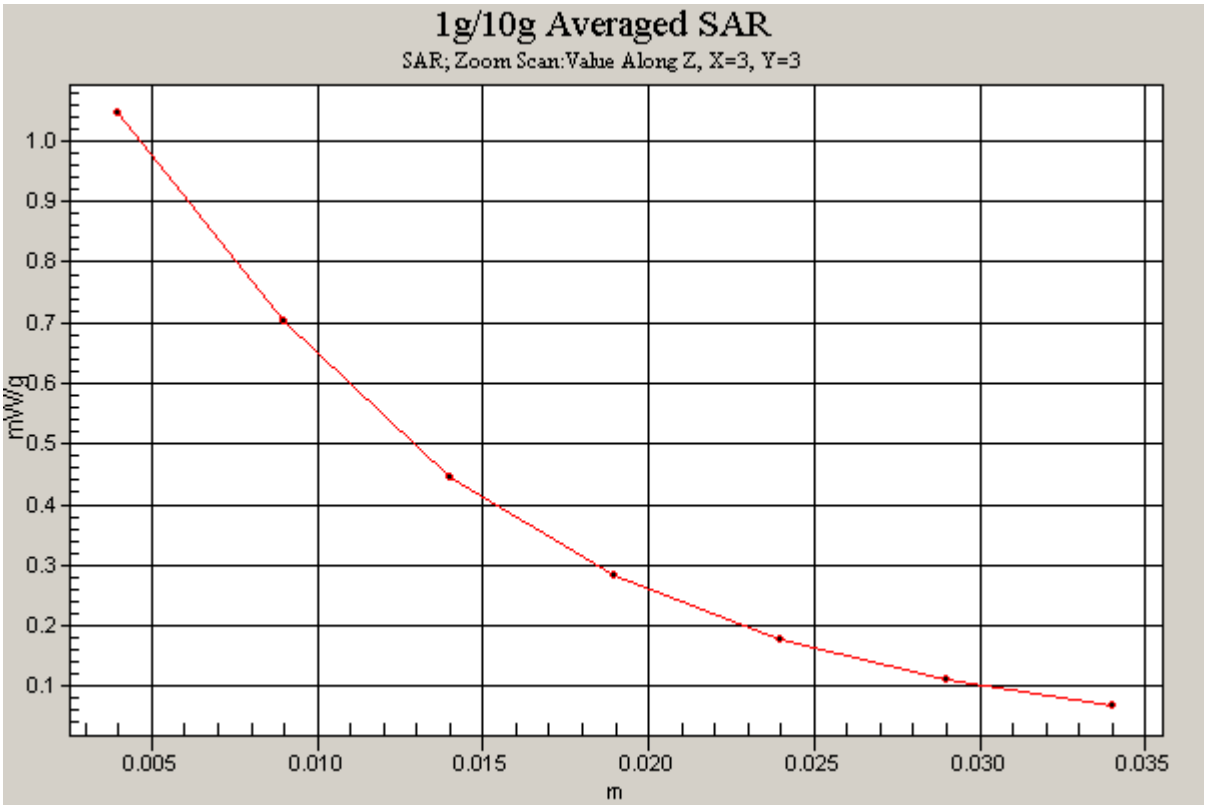


Figure 58 Z-Scan at power reference point (Left Hand Touch Cheek Open GSM 1900 Channel 512)

GSM 1900 Left Tilt Middle Open

Date/Time: 8/16/2009 7:09:28 PM
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
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 (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.443 mW/g

Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.8 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 0.508 W/kg
SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.226 mW/g
Maximum value of SAR (measured) = 0.405 mW/g

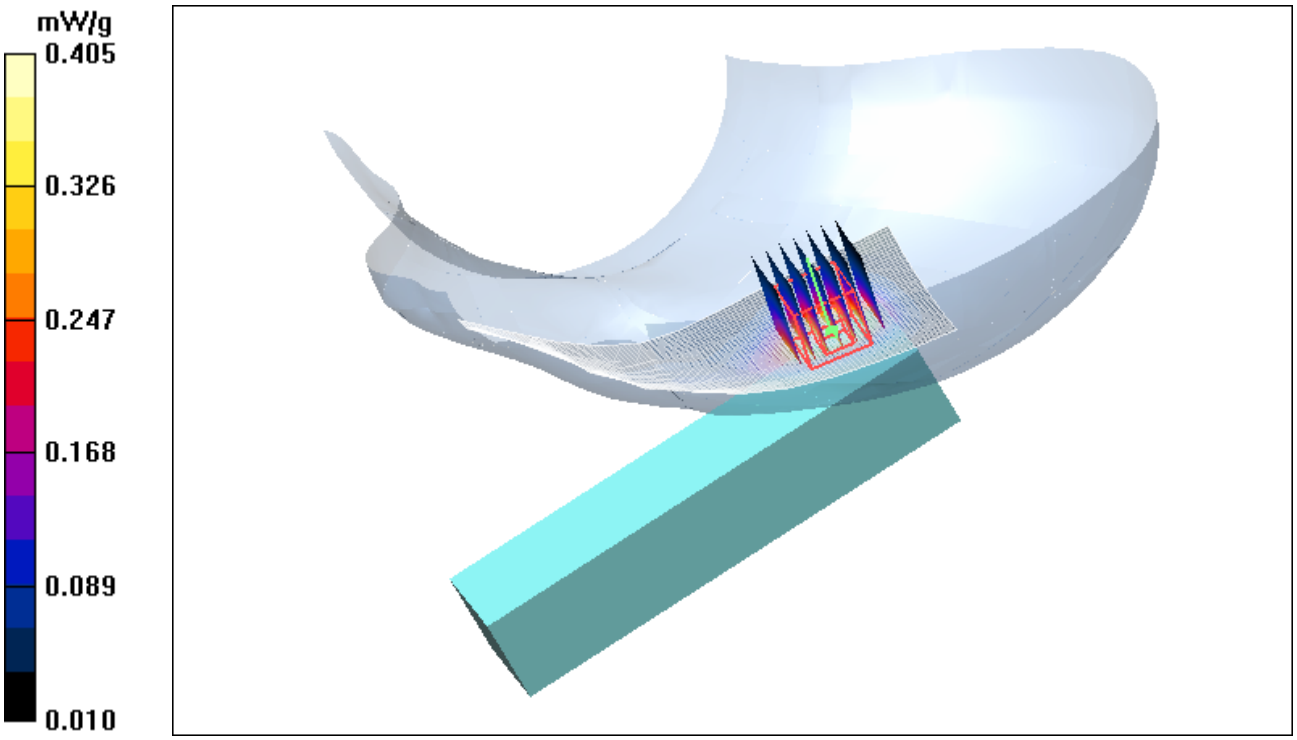


Figure 59 Left Hand Tilt 15°Open GSM 1900 Channel 661

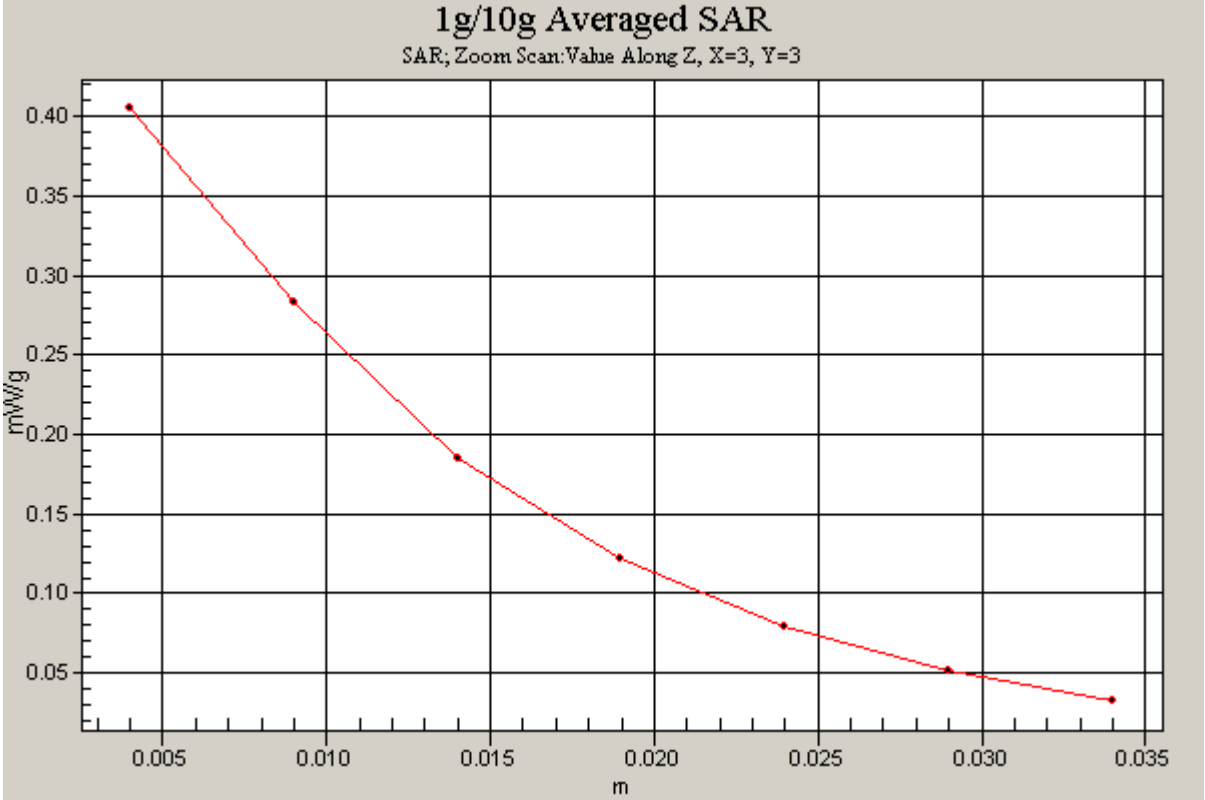


Figure 60 Z-Scan at power reference point (Left Hand Tilt 15°Open GSM 1900 Channel 661)

GSM 1900 Right Cheek High Open

Date/Time: 8/16/2009 8:41:23 PM
Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1910 MHz; σ = 1.42 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
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 High/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.952 mW/g

Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.57 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.500 mW/g
Maximum value of SAR (measured) = 1.03 mW/g

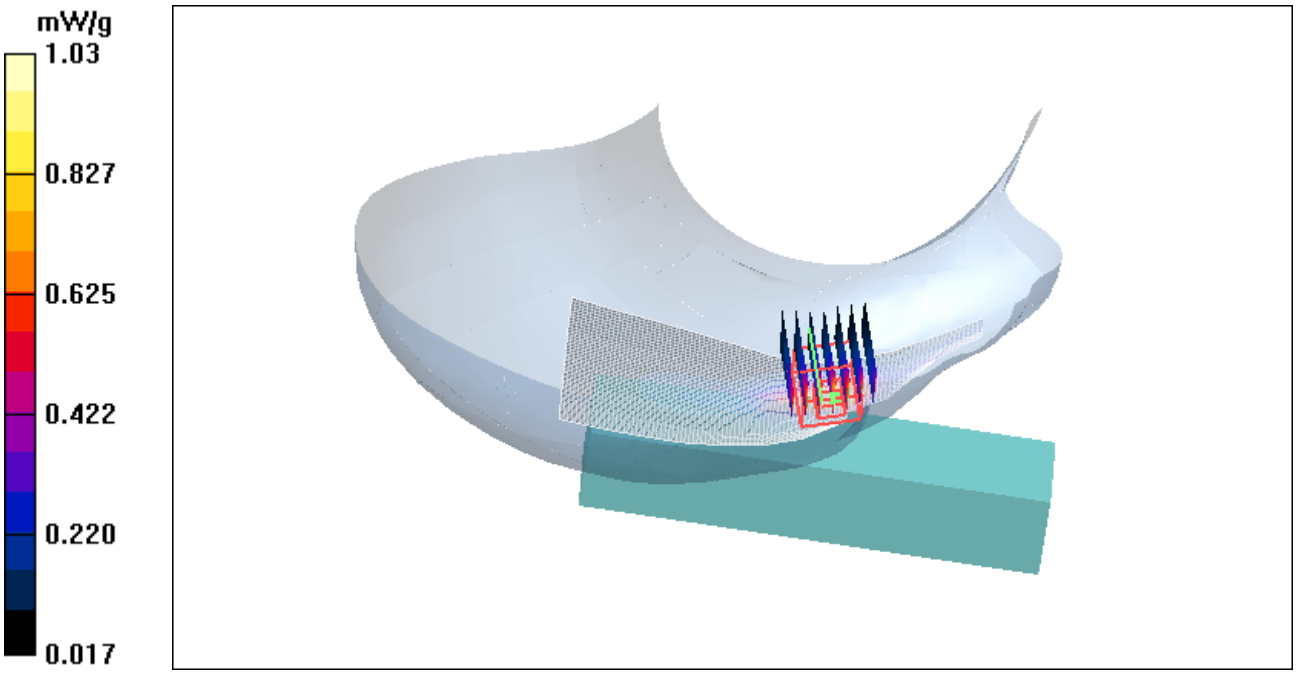


Figure 61 Right Hand Touch Cheek Open GSM 1900 Channel 810

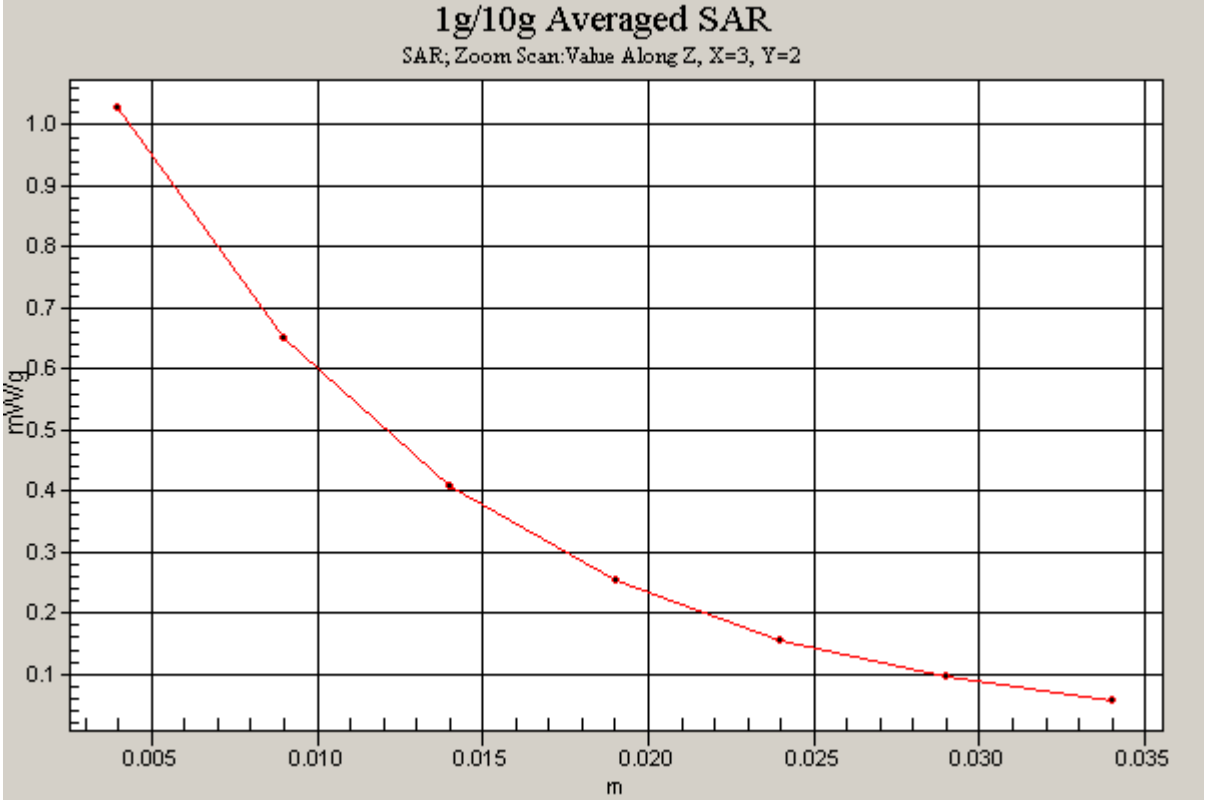


Figure 62 Z-Scan at power reference point (Right Hand Touch Cheek Open GSM 1900 Channel 810)

GSM 1900 Right Cheek Middle Open

Date/Time: 8/16/2009 8:21:54 PM
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
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 (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.25 mW/g

Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.55 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.659 mW/g
Maximum value of SAR (measured) = 1.35 mW/g

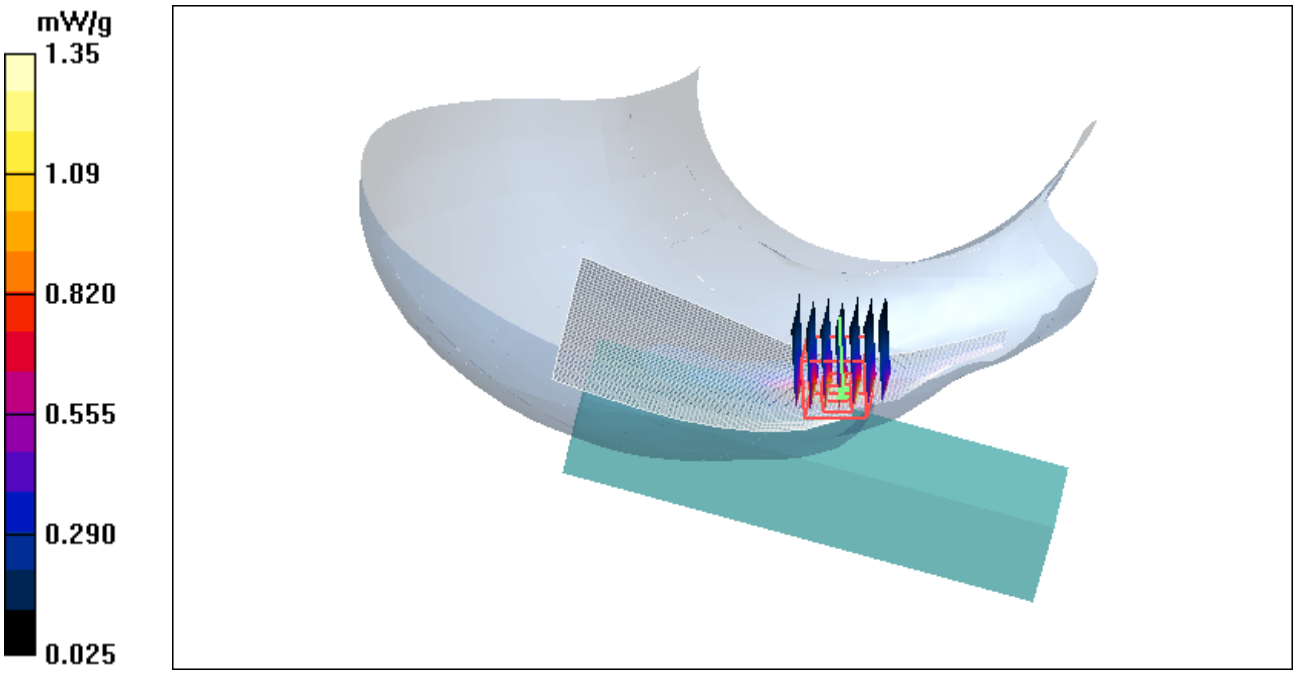


Figure 63 Right Hand Touch Cheek Open GSM 1900 Channel 661

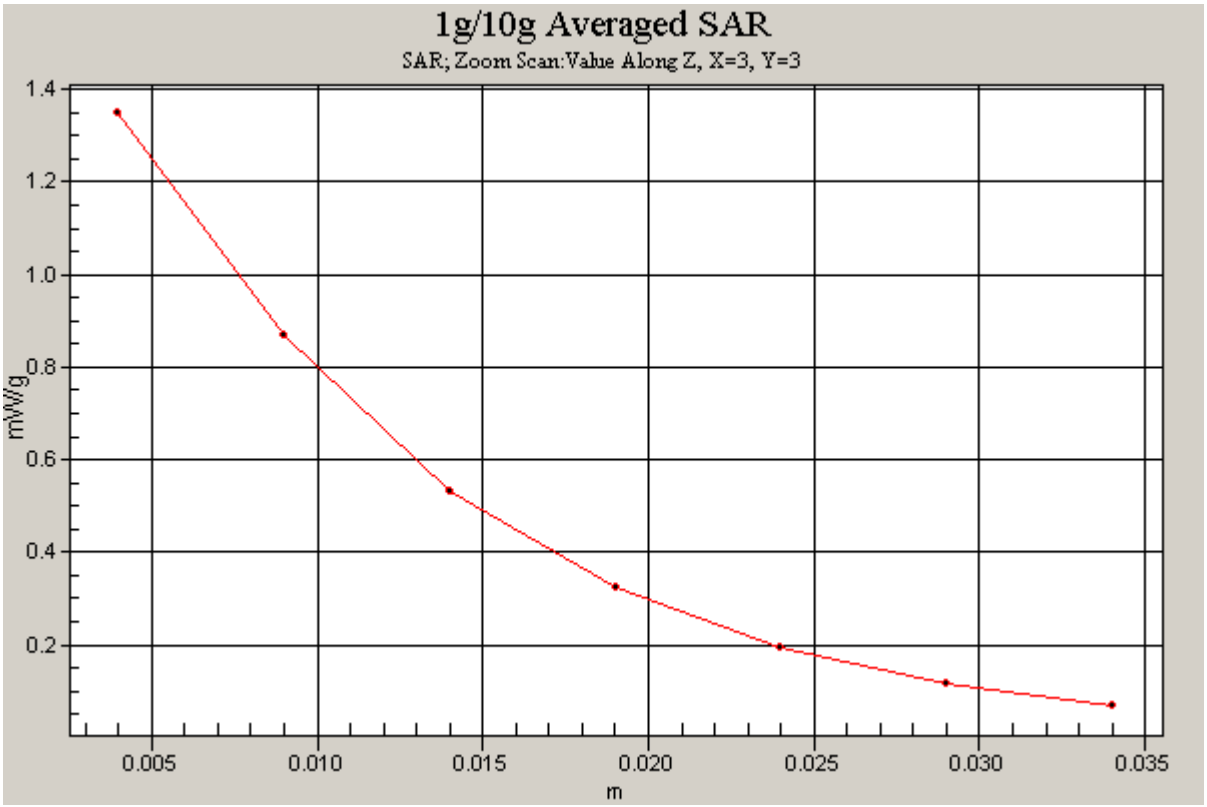


Figure 64 Z-Scan at power reference point (Right Hand Touch Cheek Open GSM 1900 Channel 661)

GSM 1900 Right Cheek Low Open

Date/Time: 8/16/2009 9:00:46 PM
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.37 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
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 Low/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.06 V/m; Power Drift = -0.101 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.605 mW/g
Maximum value of SAR (measured) = 1.25 mW/g

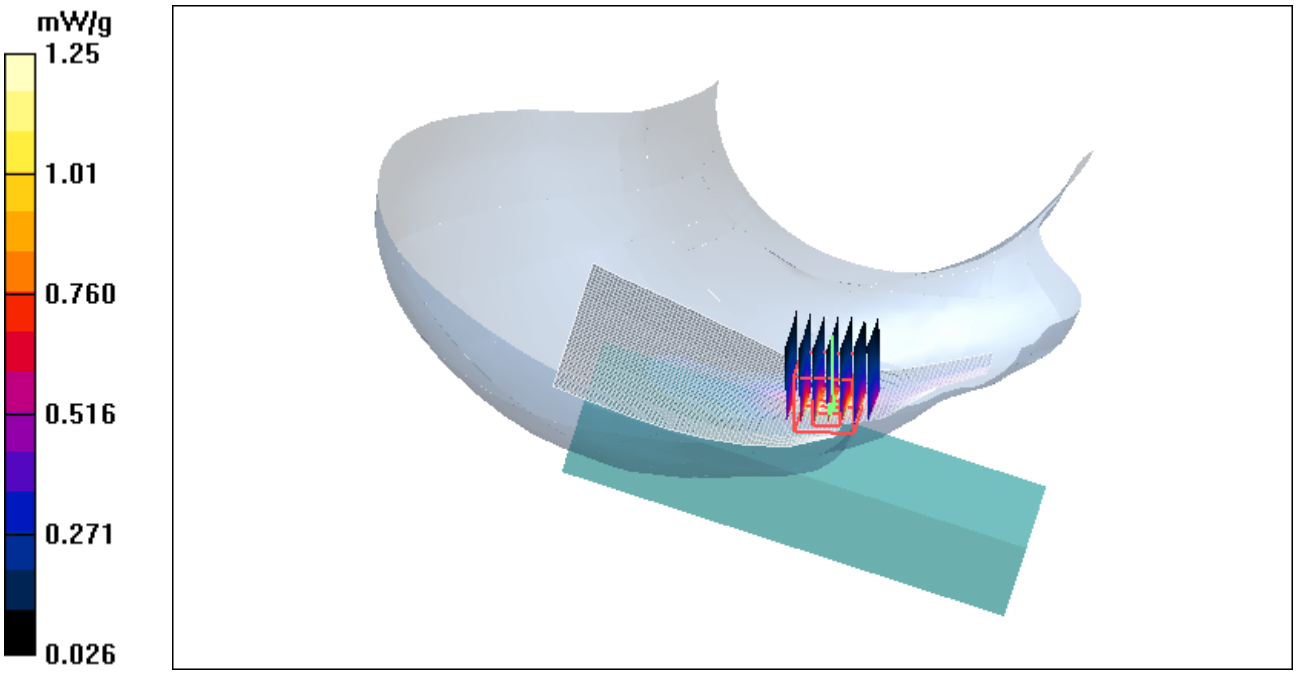


Figure 65 Right Hand Touch Cheek Open GSM 1900 Channel 512

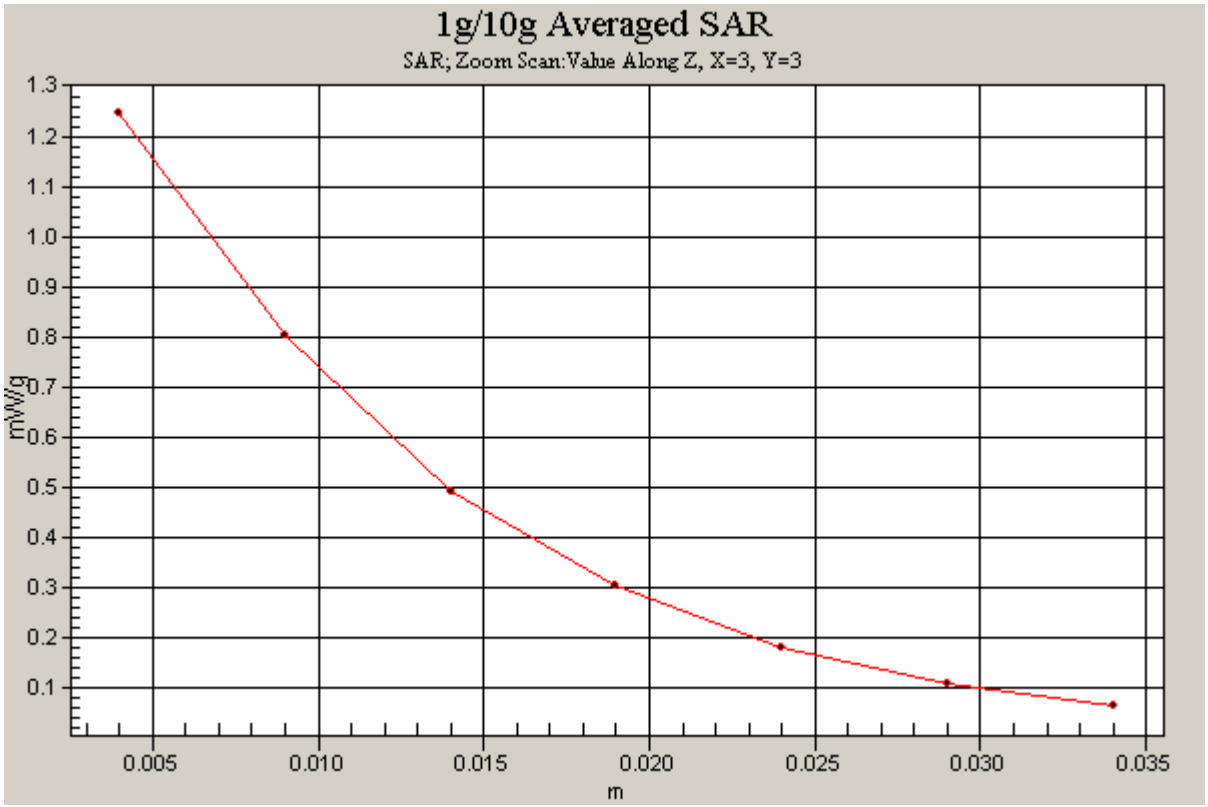


Figure 66 Z-Scan at power reference point (Right Hand Touch Cheek Open GSM 1900 Channel 512)

GSM 1900 Right Tilt Middle Open

Date/Time: 8/16/2009 9:20:43 PM
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
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 (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.414 mW/g

Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.473 W/kg
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.373 mW/g

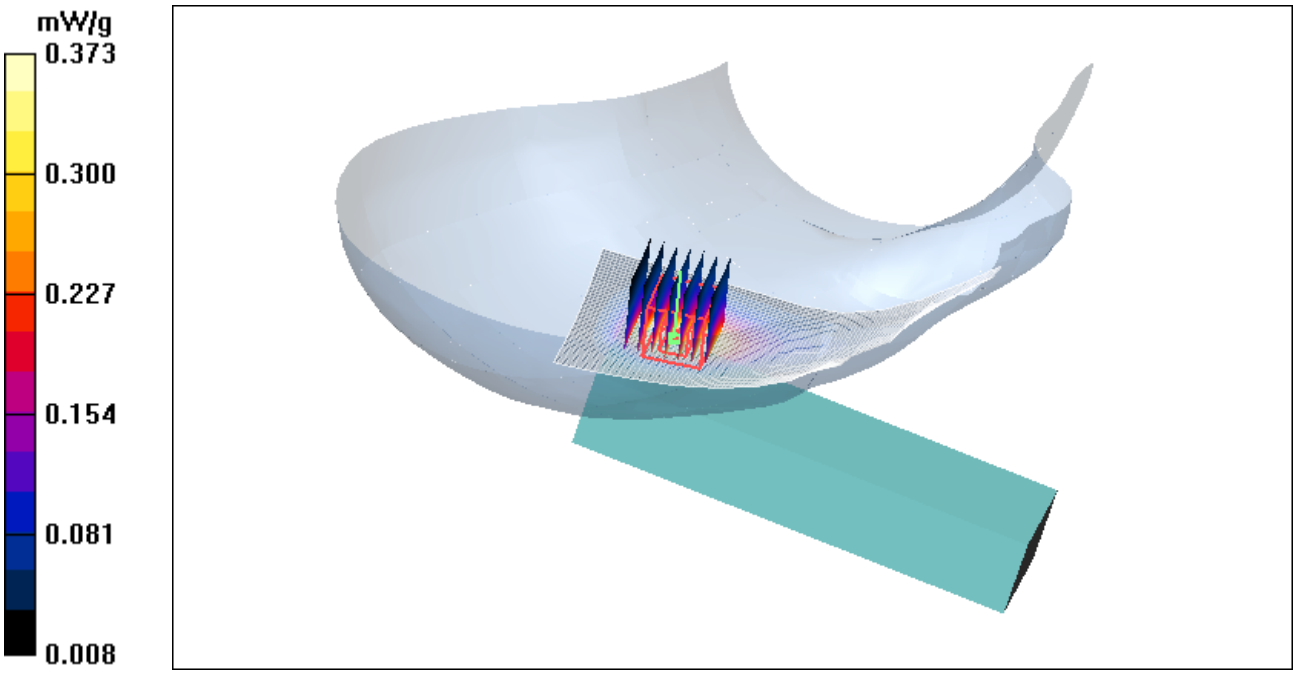


Figure 67 Right Hand Tilt 15°Open GSM 1900 Channel 661

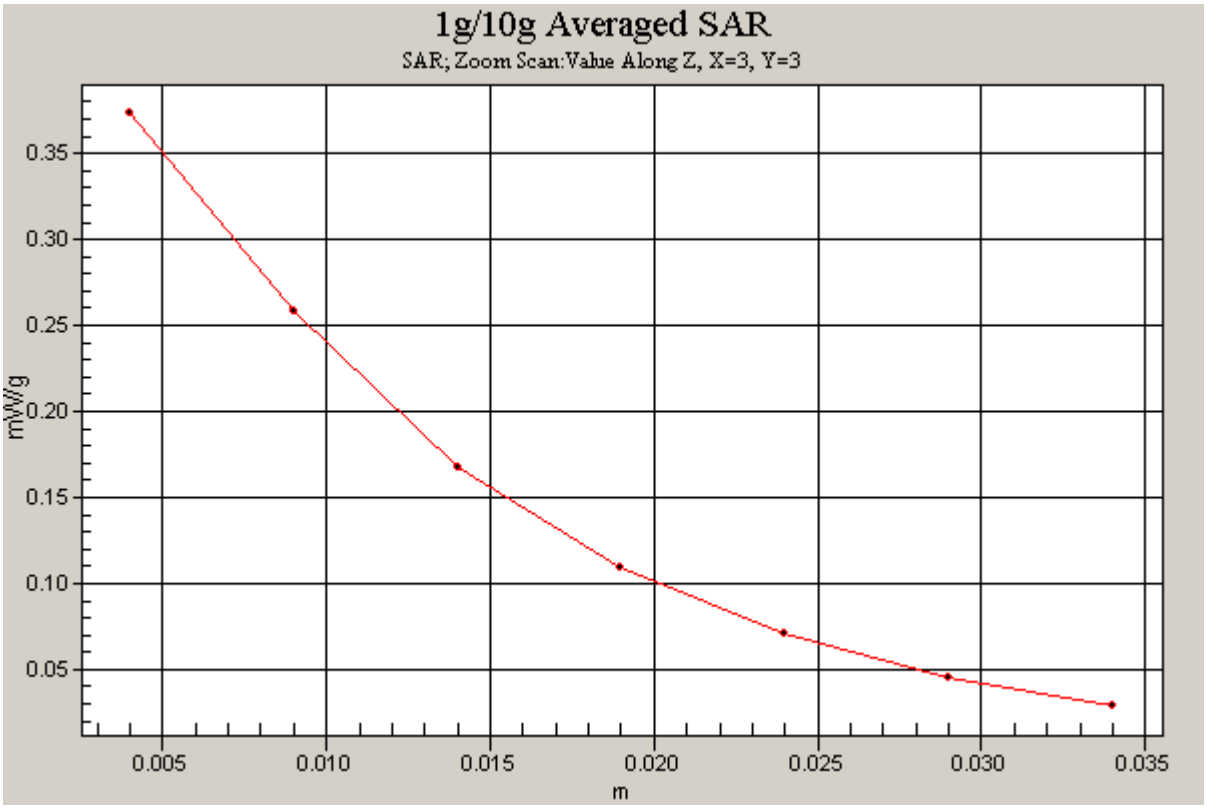


Figure 68 Z-Scan at power reference point (Right Hand Tilt 15°Open GSM 1900 Channel 661)

GSM 1900 Towards Ground High Open

Date/Time: 8/16/2009 12:12:39 PM

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

Medium parameters used: f = 1910 MHz; σ = 1.54 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3

Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x131x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 10.2 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.671 W/kg

SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.245 mW/g

Maximum value of SAR (measured) = 0.425 mW/g

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

Reference Value = 10.2 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.483 W/kg

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.307 mW/g

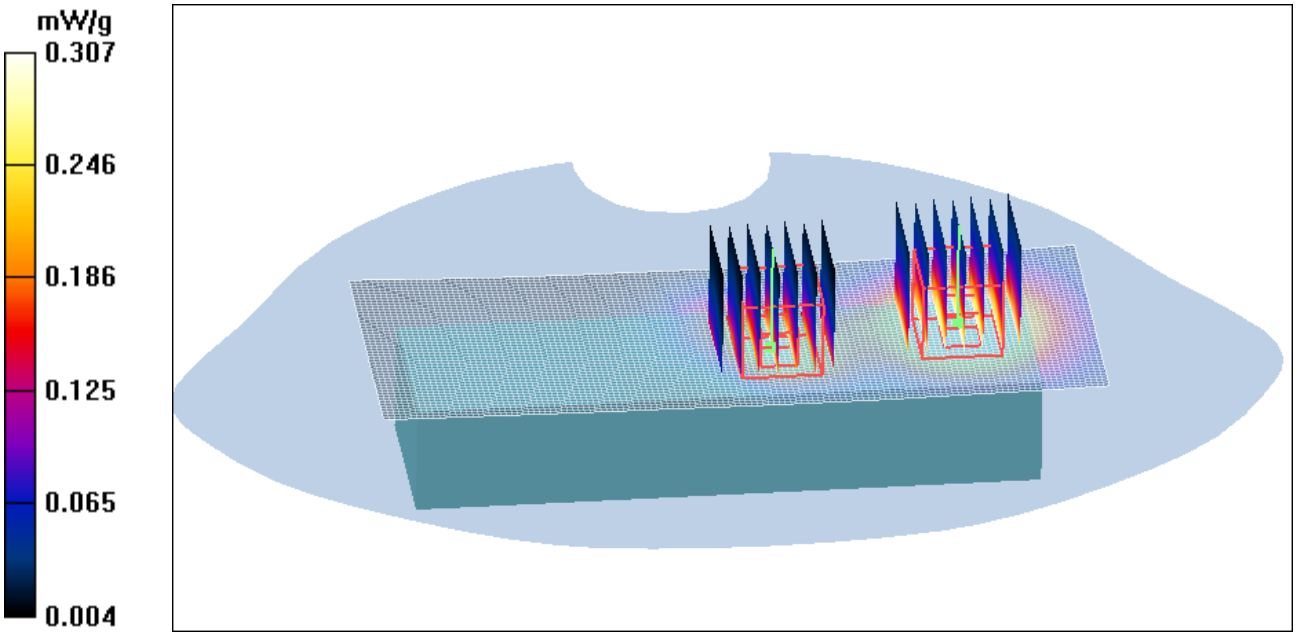
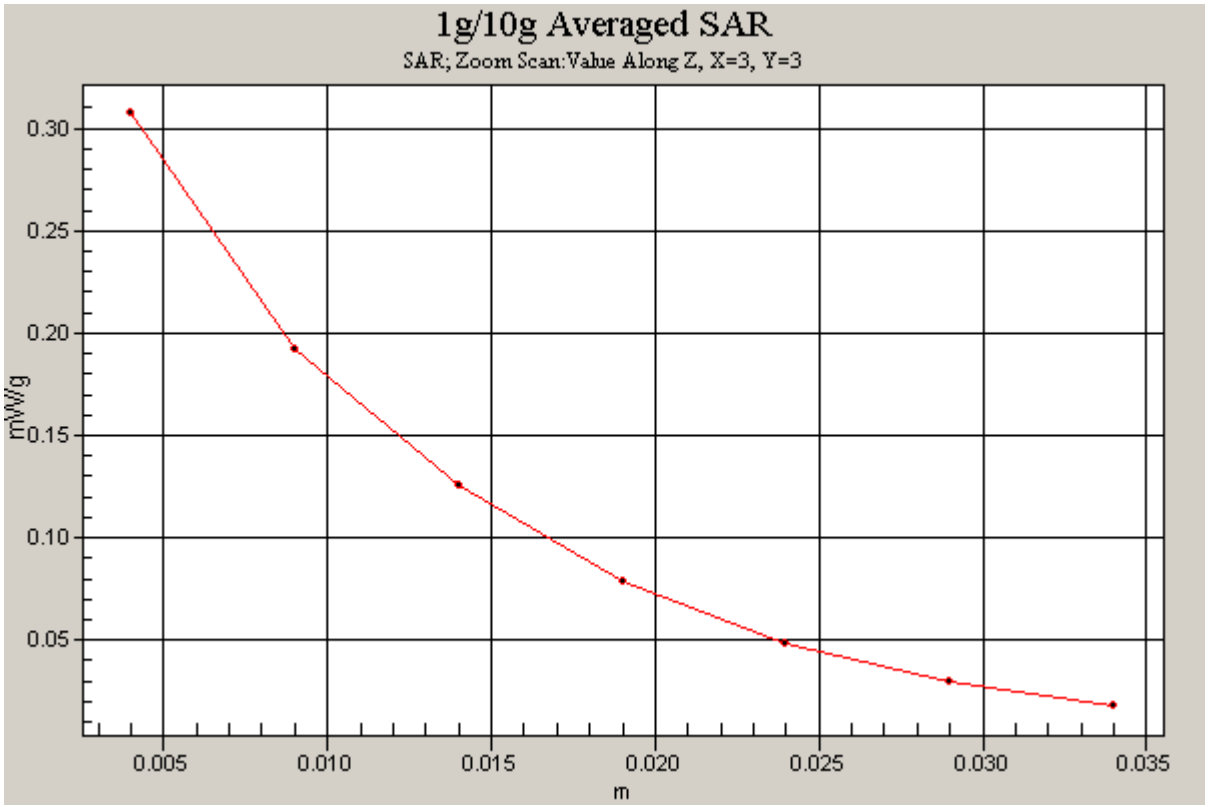


Figure 69 Body, Towards Ground, Open GSM 1900 Channel 810



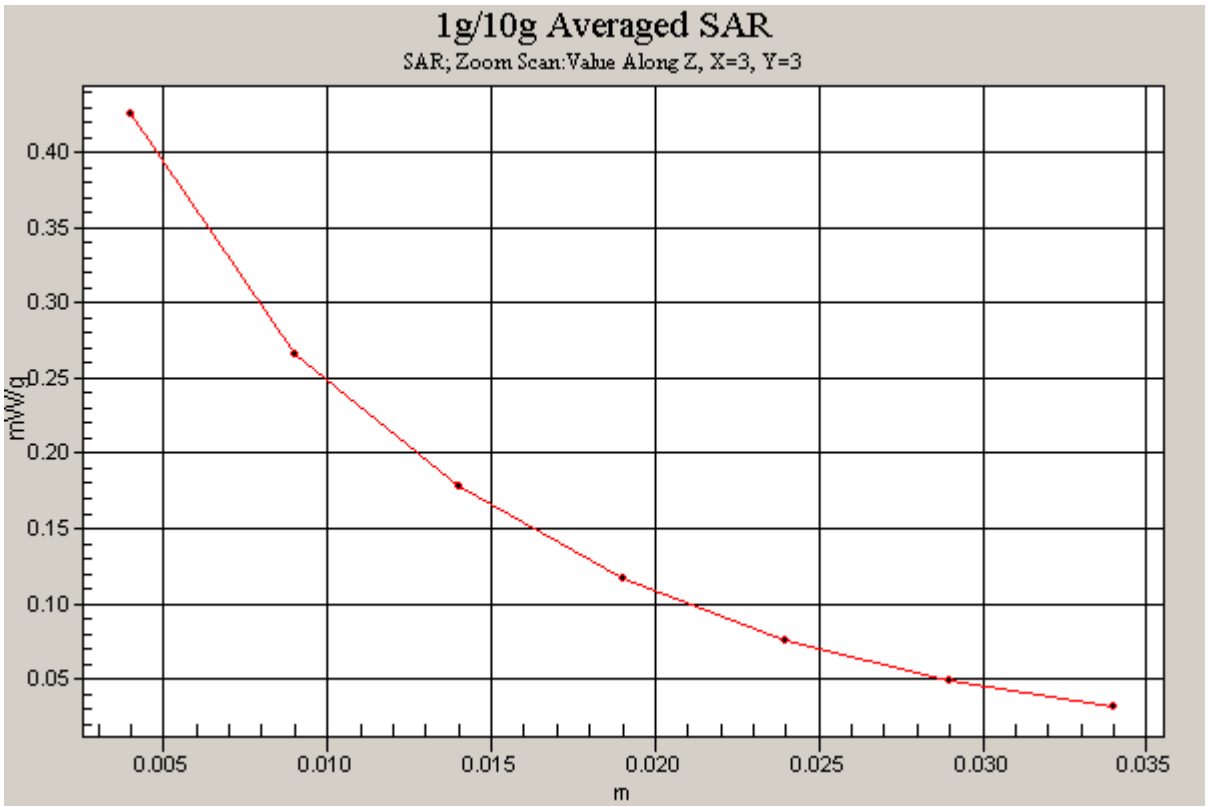


Figure 70 Z-Scan at power reference point (Body, Towards Ground, Open GSM 1900 Channel 810)

GSM 1900 Towards Ground Middle Open

Date/Time: 8/16/2009 11:52:10 AM
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.502 mW/g

Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 0.748 W/kg
SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.280 mW/g
Maximum value of SAR (measured) = 0.481 mW/g

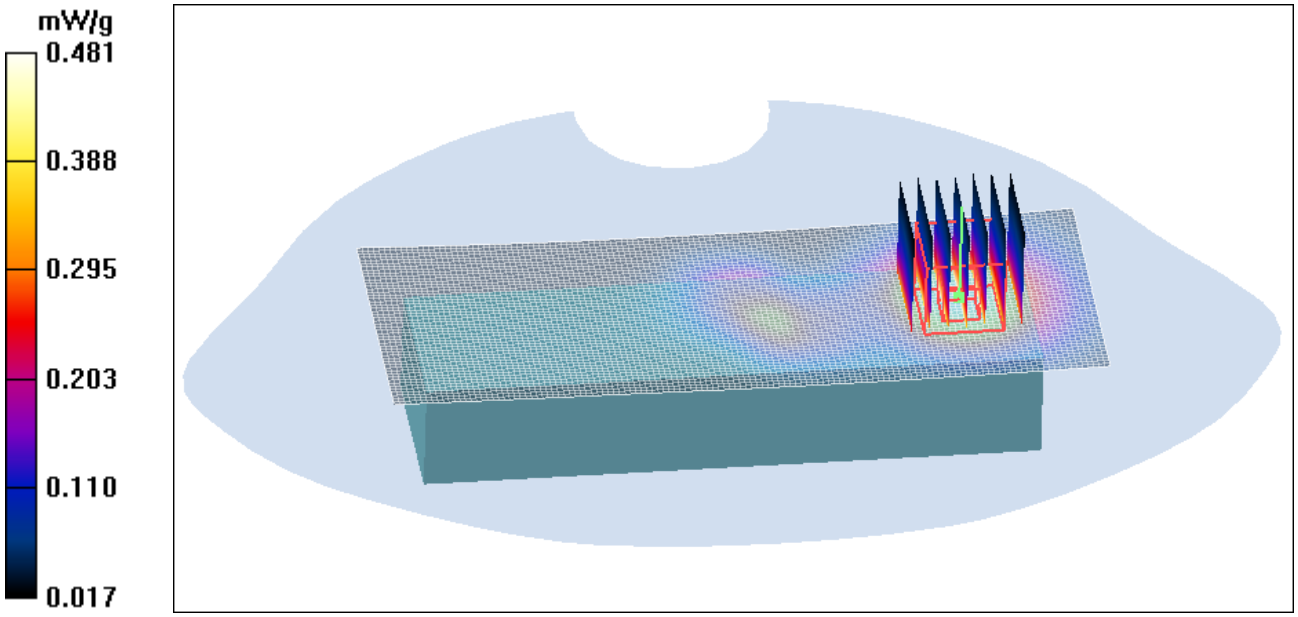


Figure 71 Body, Towards Ground, Open GSM 1900 Channel 661

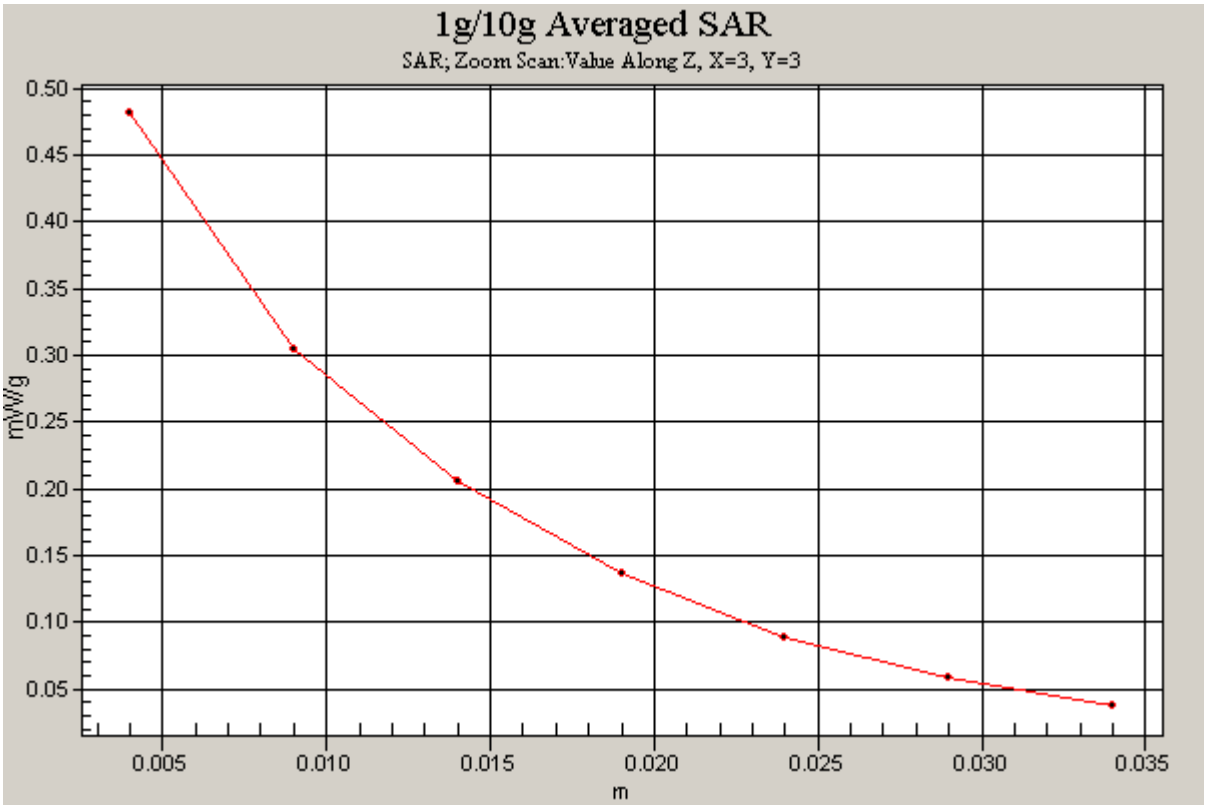


Figure 72 Z-Scan at power reference point (Body, Towards Ground, Open GSM 1900 Channel 661)

GSM 1900 Towards Ground Low Open

Date/Time: 8/16/2009 12:44:52 PM
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.51 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.435 mW/g

Towards Ground Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.9 V/m; Power Drift = -0.053 dB
Peak SAR (extrapolated) = 0.634 W/kg
SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.243 mW/g
Maximum value of SAR (measured) = 0.413 mW/g

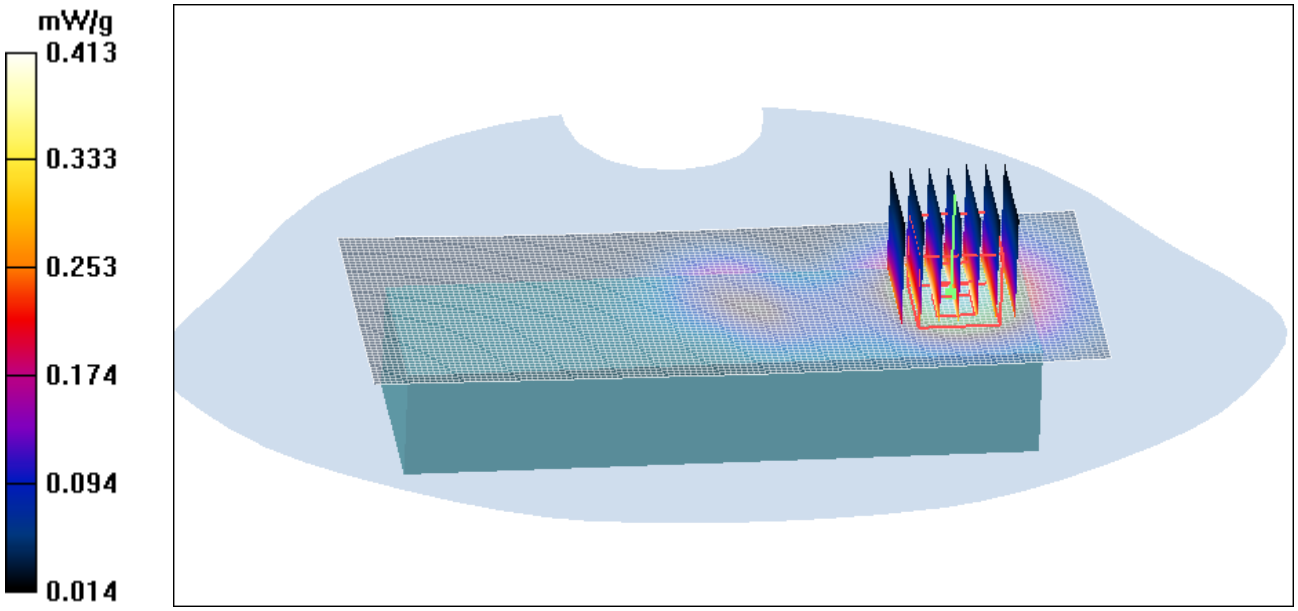


Figure 73 Body, Towards Ground, Open GSM 1900 Channel 512

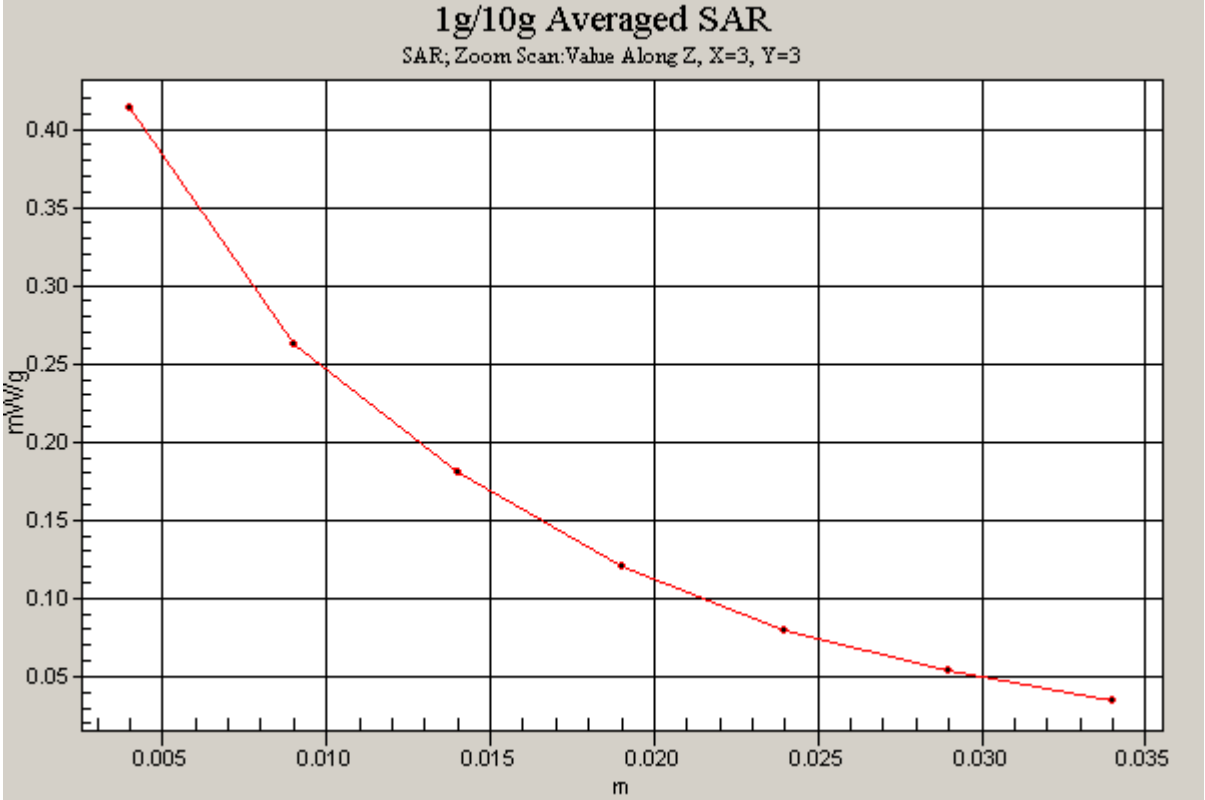


Figure 74 Z-Scan at power reference point (Body, Towards Ground, Open GSM 1900 Channel 512)

GSM 1900 Towards Ground with Earphone Middle Open

Date/Time: 8/16/2009 1:07:39 PM
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.454 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 = -0.034 dB
Peak SAR (extrapolated) = 0.676 W/kg
SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.434 mW/g

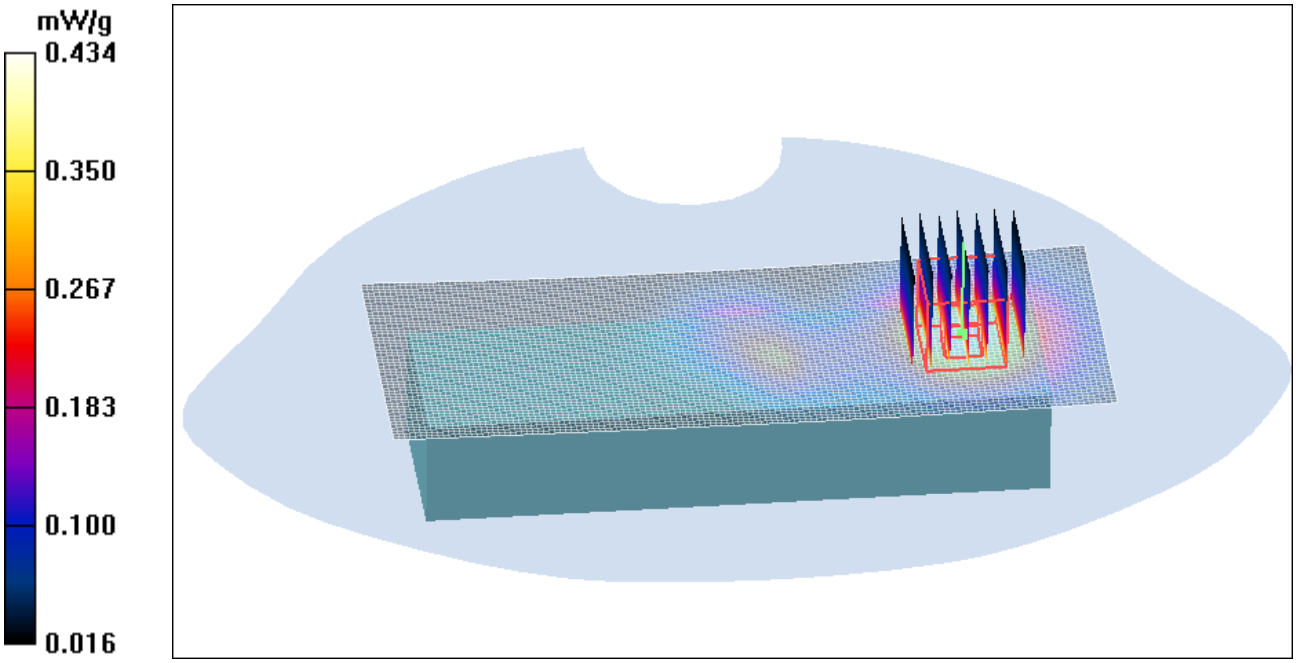


Figure 75 Body with Earphone, Towards Ground, Open GSM 1900 Channel 661

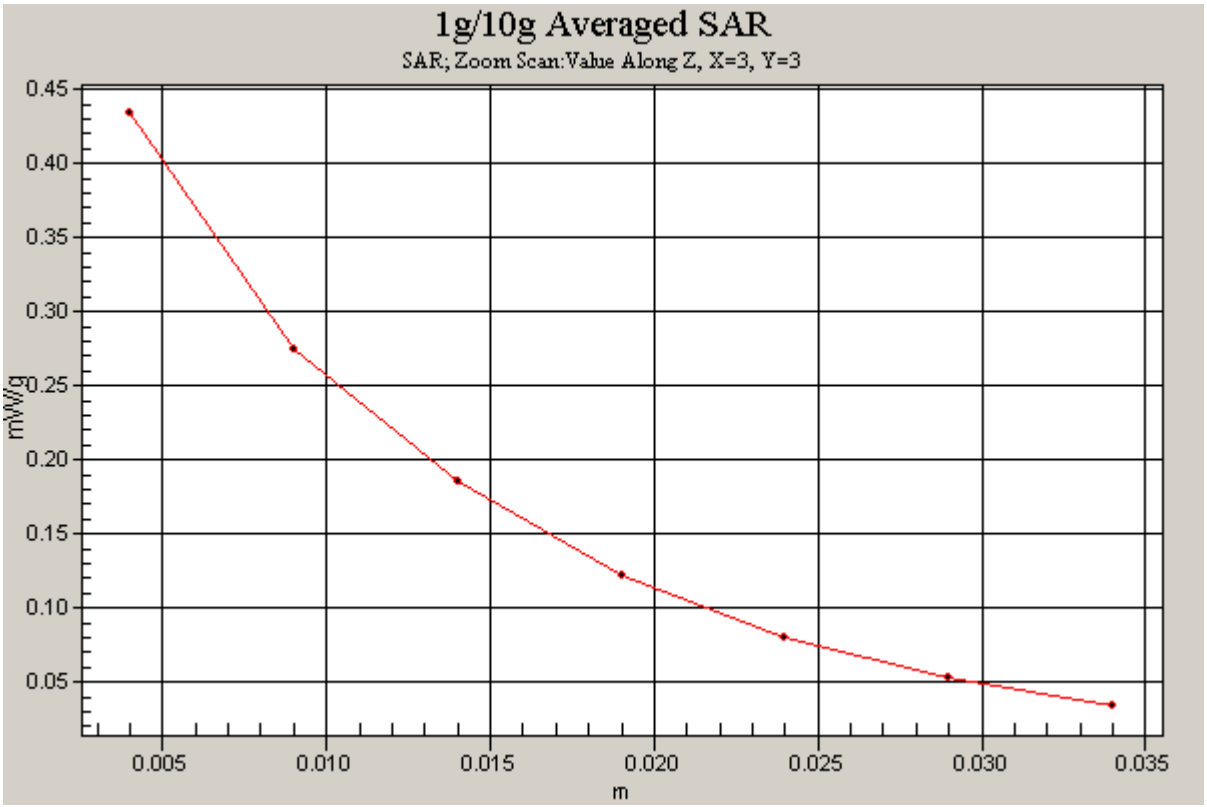


Figure 76 Z-Scan at power reference point (Body with Earphone, Towards Ground, Open GSM 1900 Channel 661)

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

Date/Time: 8/16/2009 11:06:59 PM
Communication System: PCS 1900+GPRS(2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x131x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.721 mW/g

Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.0 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.408 mW/g
Maximum value of SAR (measured) = 0.691 mW/g

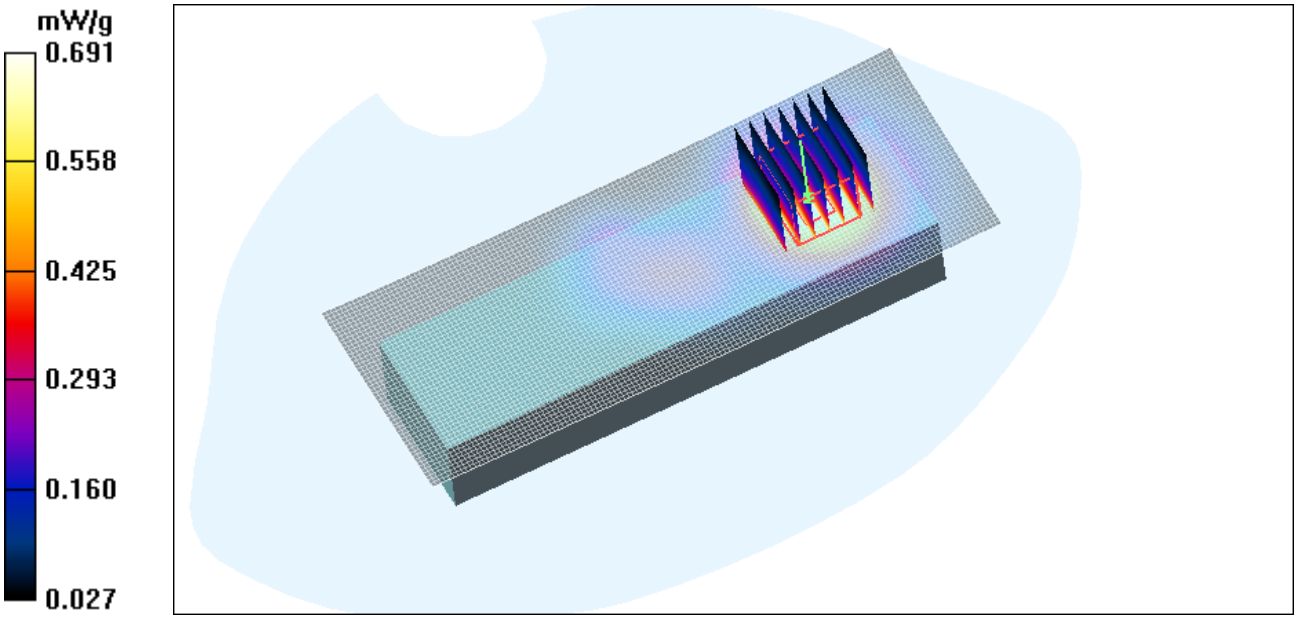


Figure 77 Body, Towards Ground, Open GSM 1900 GPRS (2Up) Channel 661

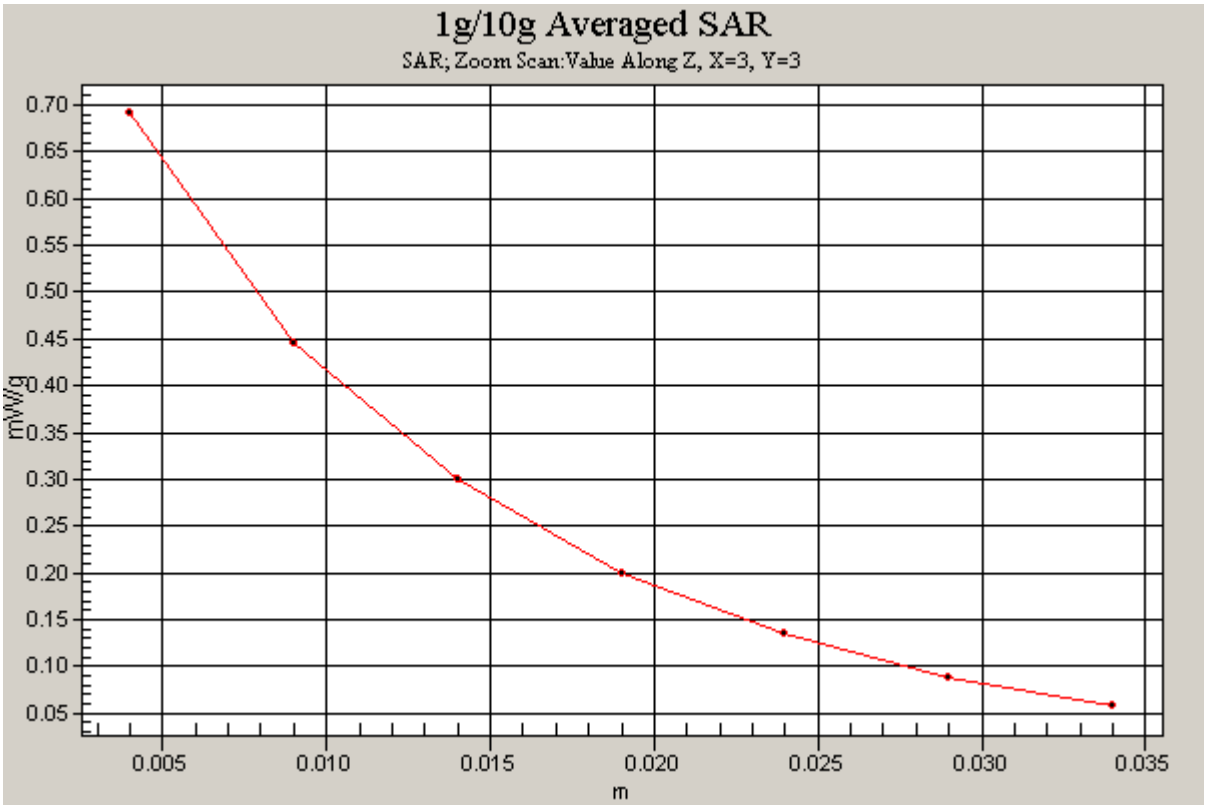


Figure 78 Z-Scan at power reference point (Body, Towards Ground, Open GSM 1900 GPRS (2Up) Channel 661)

GSM 1900 Towards Ground High Close

Date/Time: 8/16/2009 10:06:08 AM
Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1910 MHz; σ = 1.54 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.250 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 = 0.013 dB
Peak SAR (extrapolated) = 0.400 W/kg
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.138 mW/g
Maximum value of SAR (measured) = 0.249 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 = 0.013 dB
Peak SAR (extrapolated) = 0.320 W/kg
SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.200 mW/g

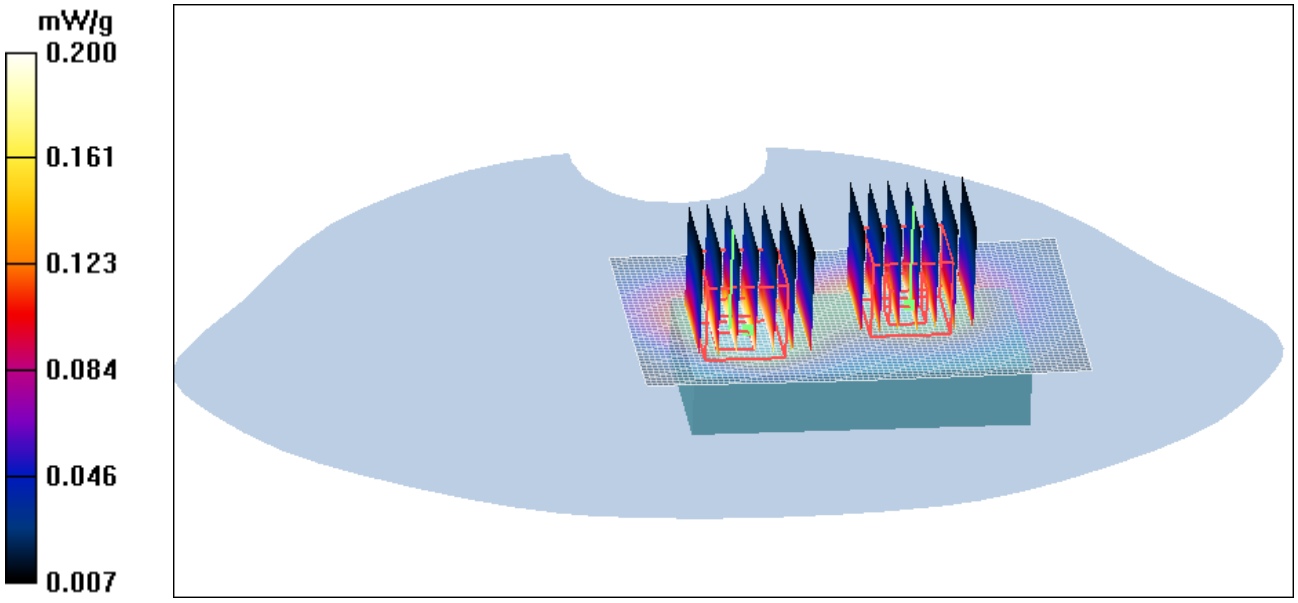
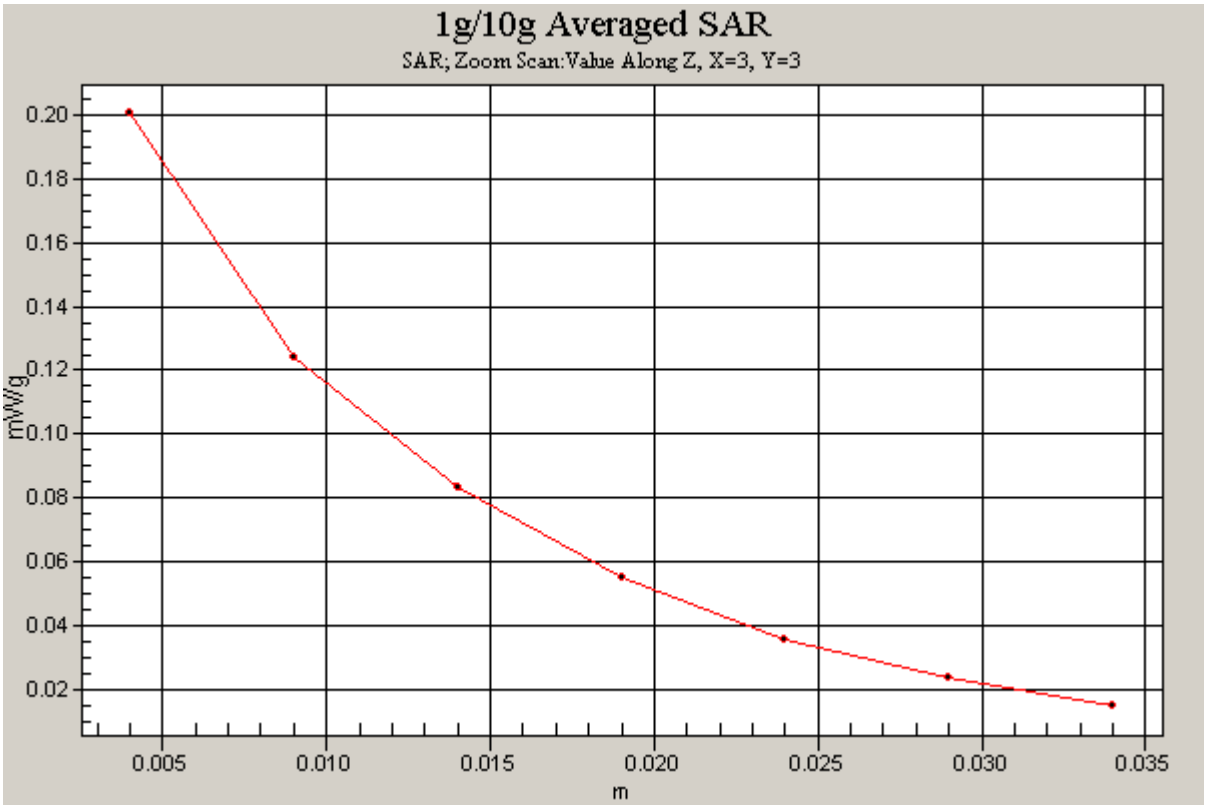


Figure 79 Body, Towards Ground, Close GSM 1900 Channel 810



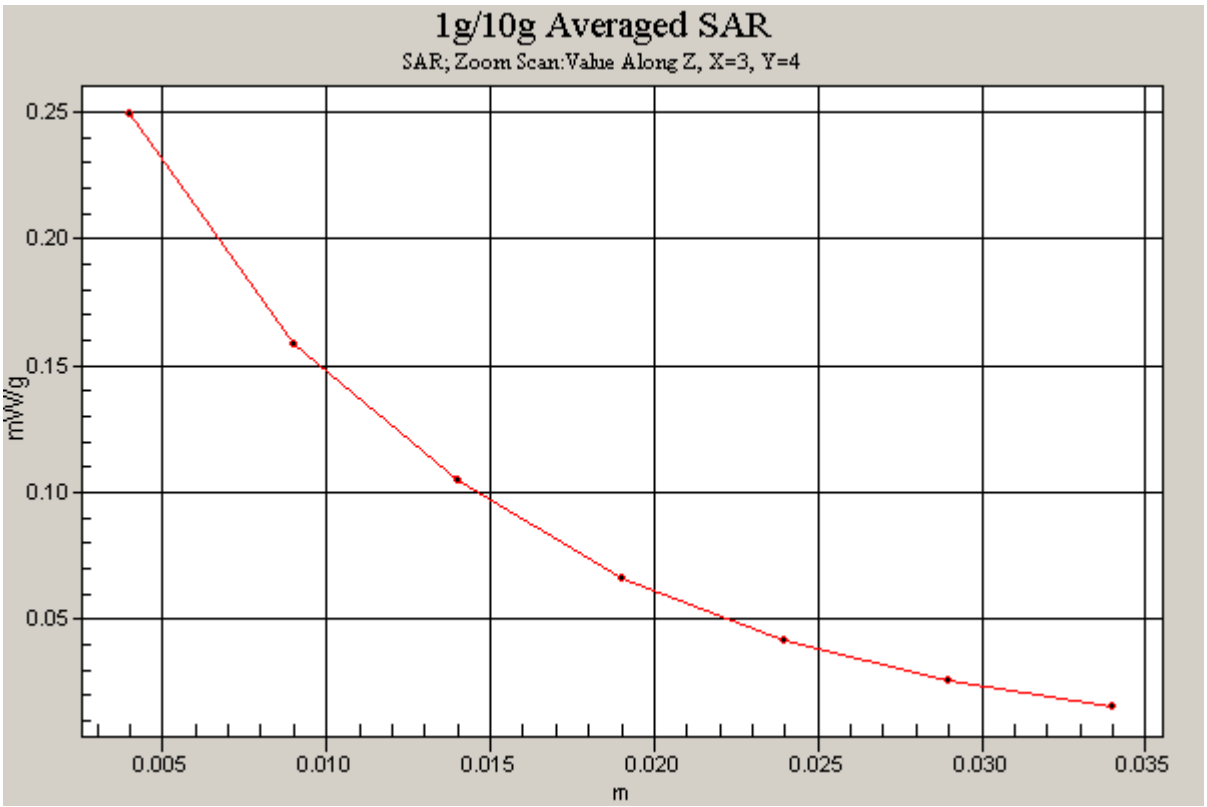


Figure 80 Z-Scan at power reference point (Body, Towards Ground, Close GSM 1900 Channel 810)

GSM 1900 Towards Ground Middle Close

Date/Time: 8/16/2009 6:53:56 AM
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.374 mW/g
Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.6 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.534 W/kg
SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.199 mW/g
Maximum value of SAR (measured) = 0.363 mW/g
Towards Ground Middle/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.6 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.477 W/kg
SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.300 mW/g

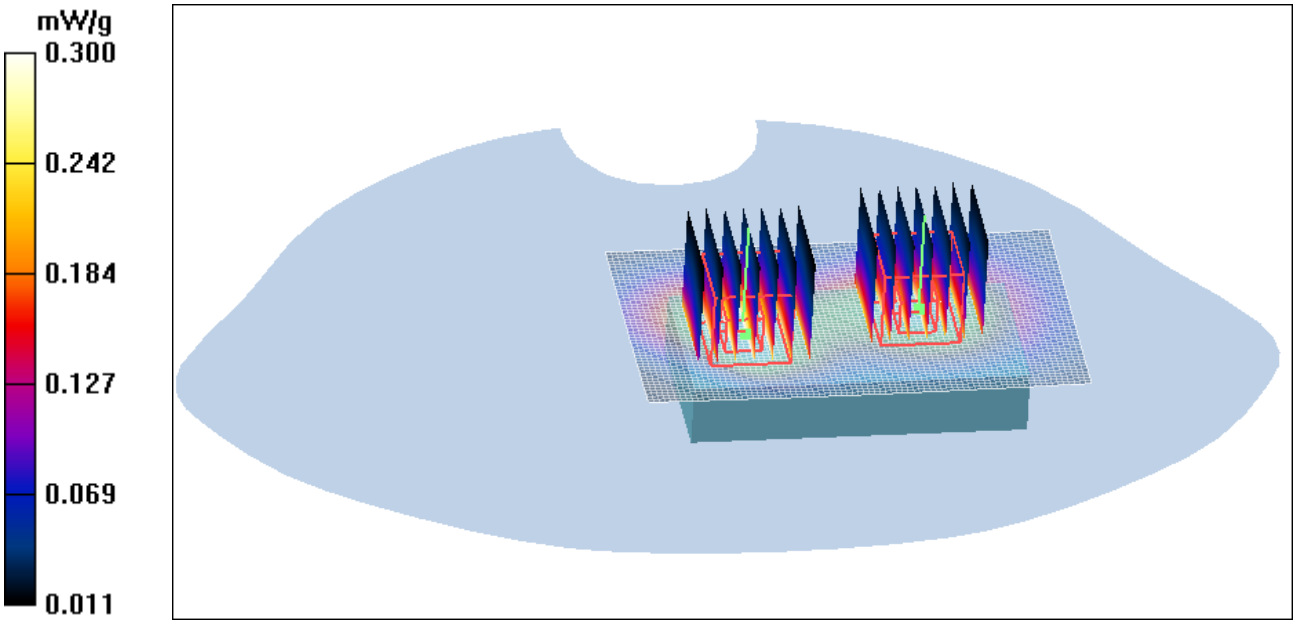
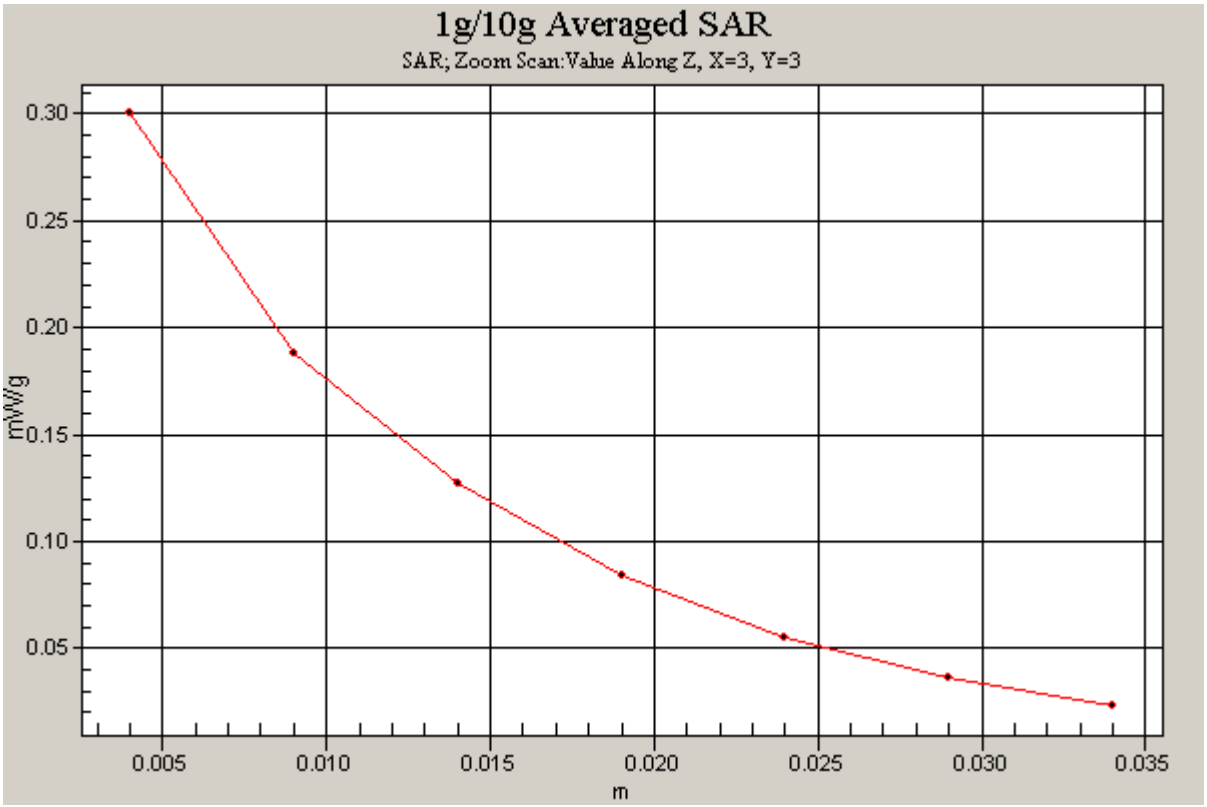


Figure 81 Body, Towards Ground, Close GSM 1900 Channel 661



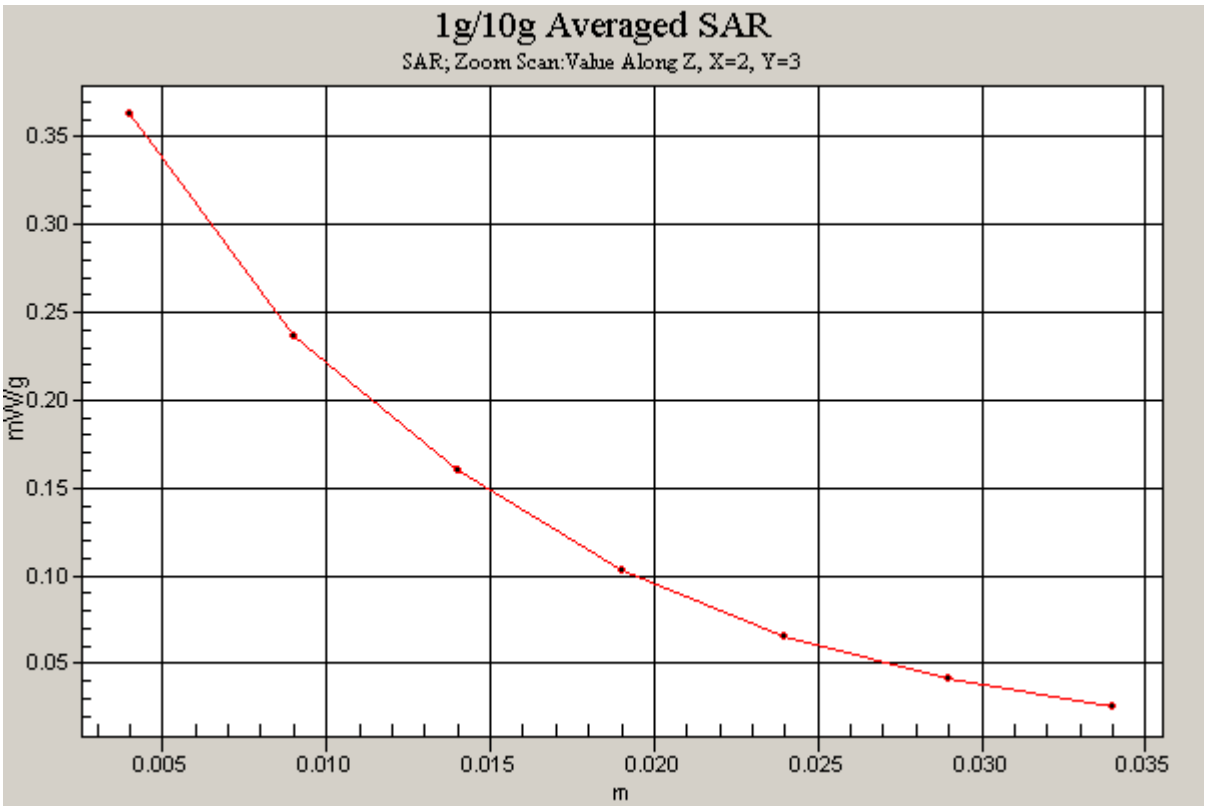


Figure 82 Z-Scan at power reference point (Body, Towards Ground, Close GSM 1900 Channel 661)

GSM 1900 Towards Ground Low Close

Date/Time: 8/16/2009 10:36:11 AM
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.51 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.346 mW/g
Towards Ground Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.0 V/m; Power Drift = -0.049 dB
Peak SAR (extrapolated) = 0.524 W/kg
SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.197 mW/g
Maximum value of SAR (measured) = 0.361 mW/g
Towards Ground Low/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.0 V/m; Power Drift = -0.049 dB
Peak SAR (extrapolated) = 0.503 W/kg
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 0.328 mW/g

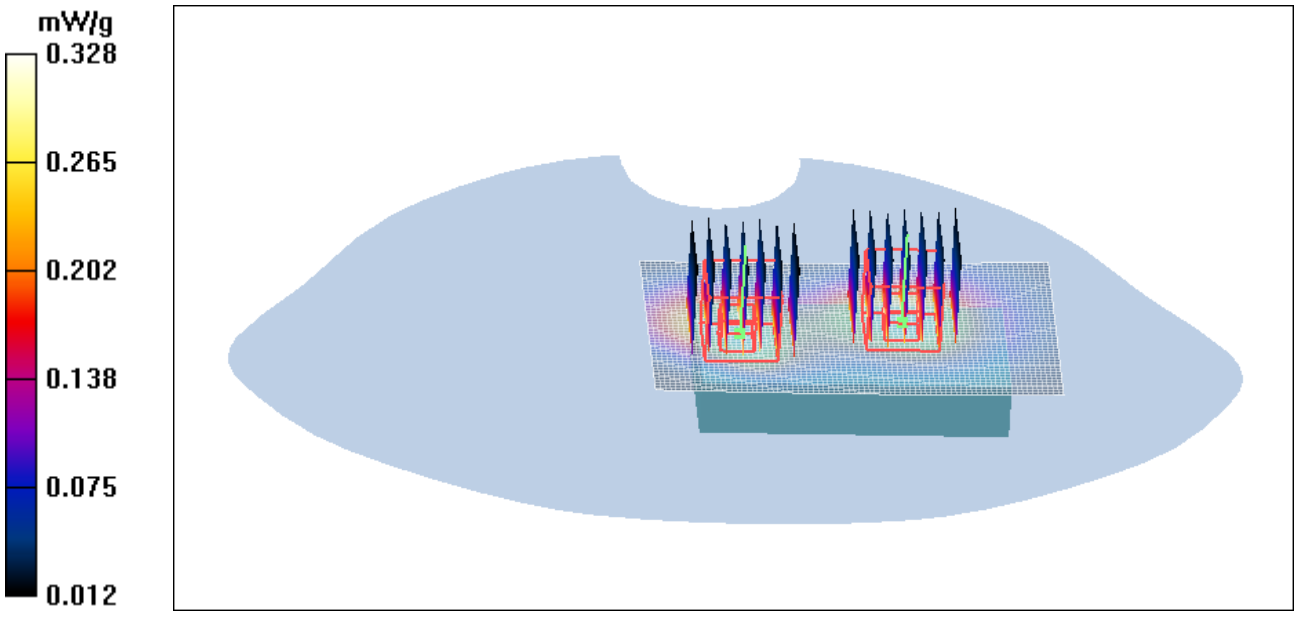
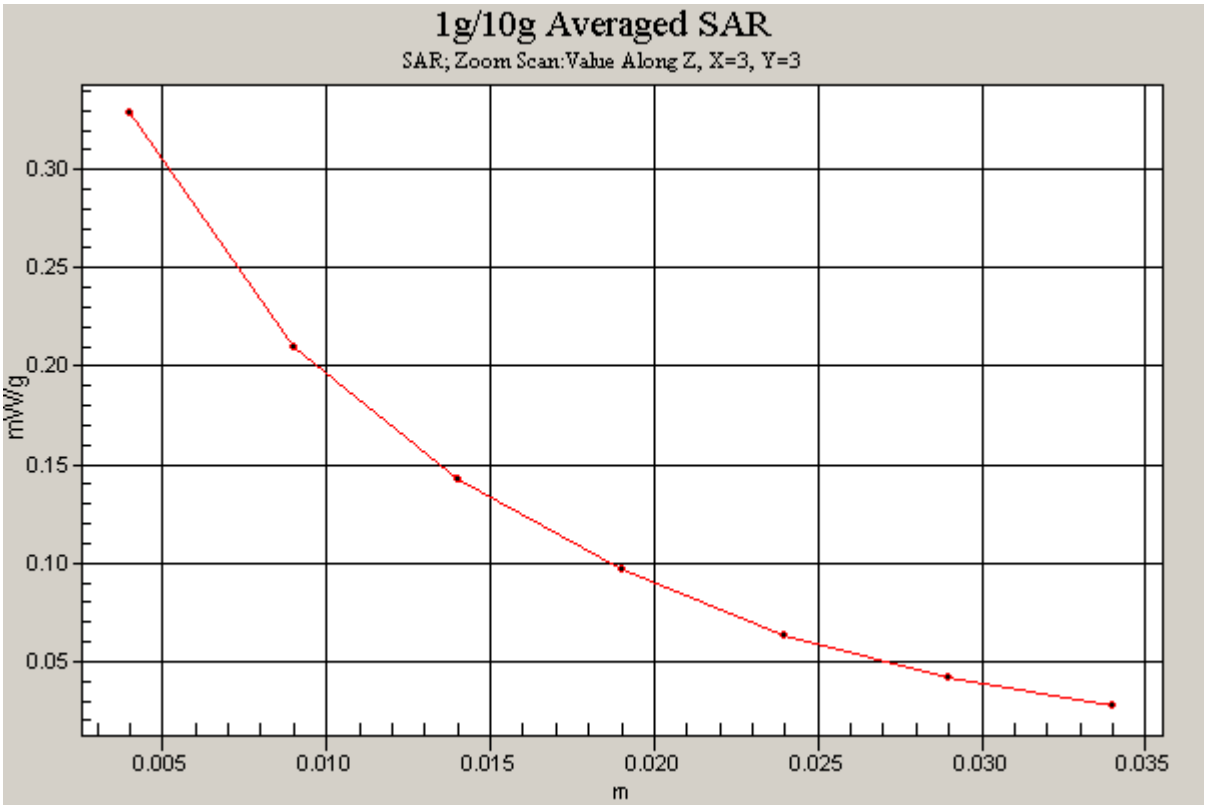


Figure 83 Body, Towards Ground, Close GSM 1900 Channel 512



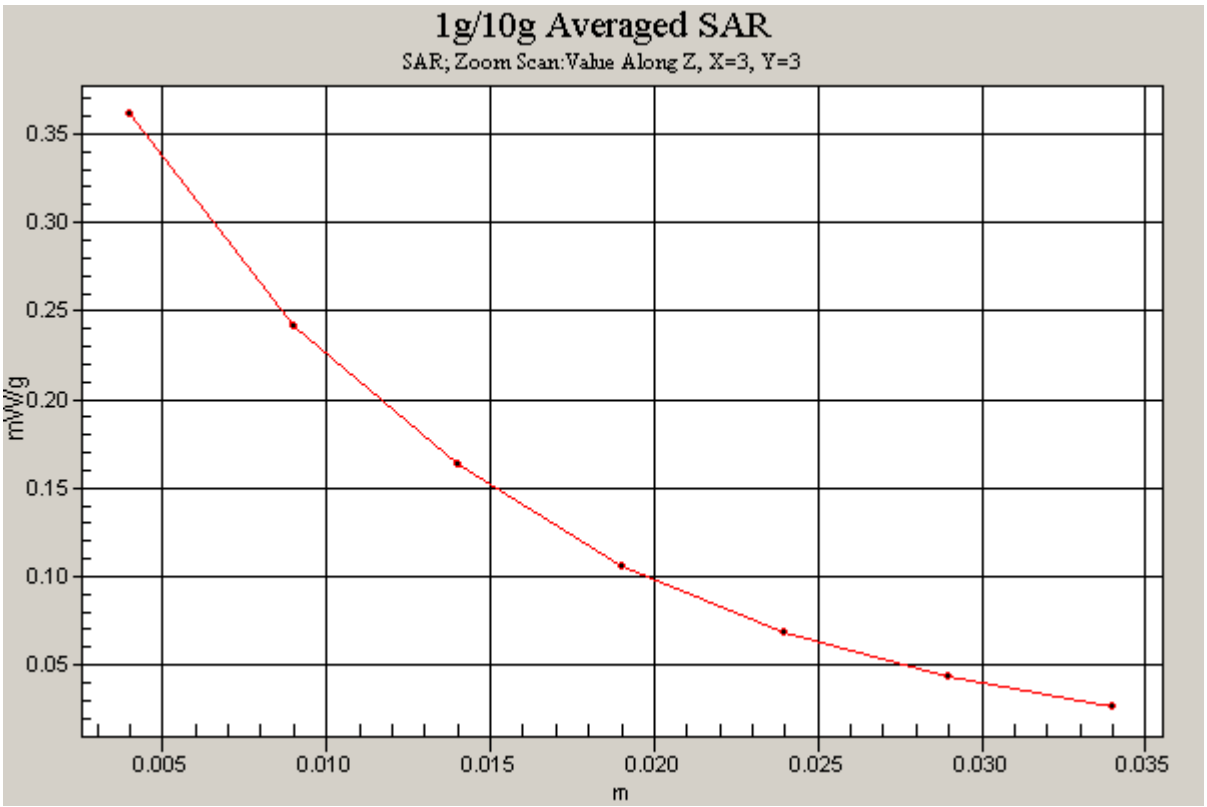


Figure 84 Z-Scan at power reference point (Body, Towards Ground, Close GSM 1900 Channel 512)

GSM 1900 Towards Phantom Middle Close

Date/Time: 8/16/2009 9:29:07 AM
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.177 mW/g
Towards Phantom Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.1 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 0.268 W/kg
SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.176 mW/g
Towards Phantom Middle/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.1 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 0.251 W/kg
SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.155 mW/g

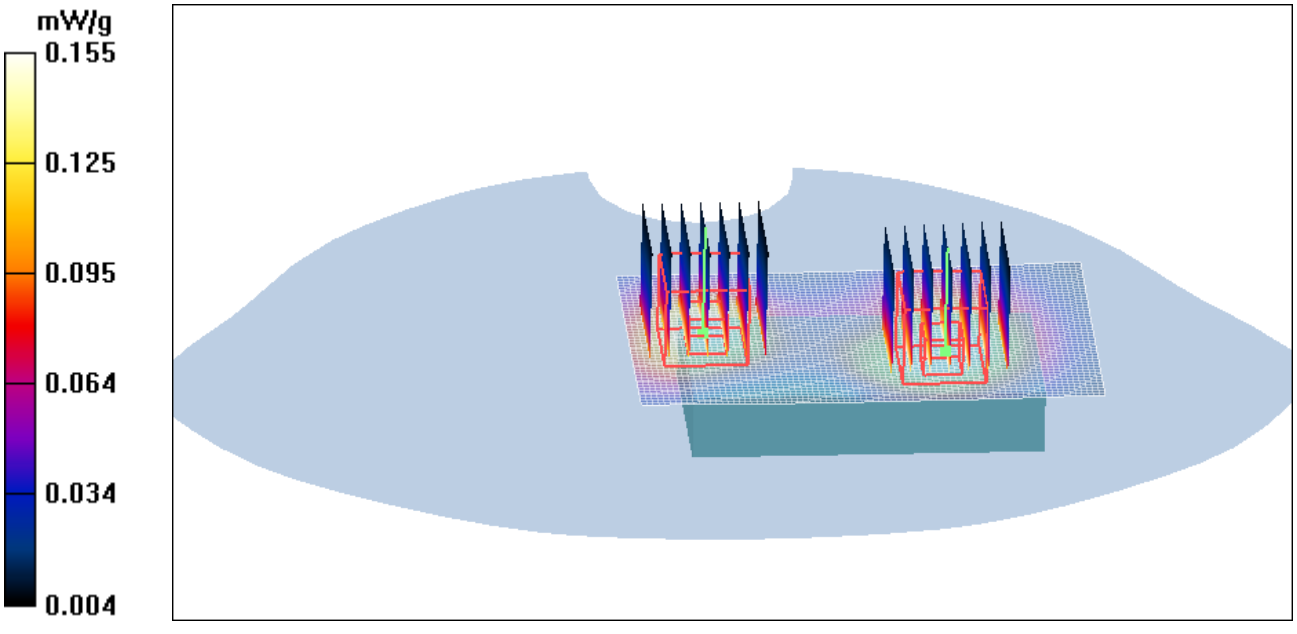
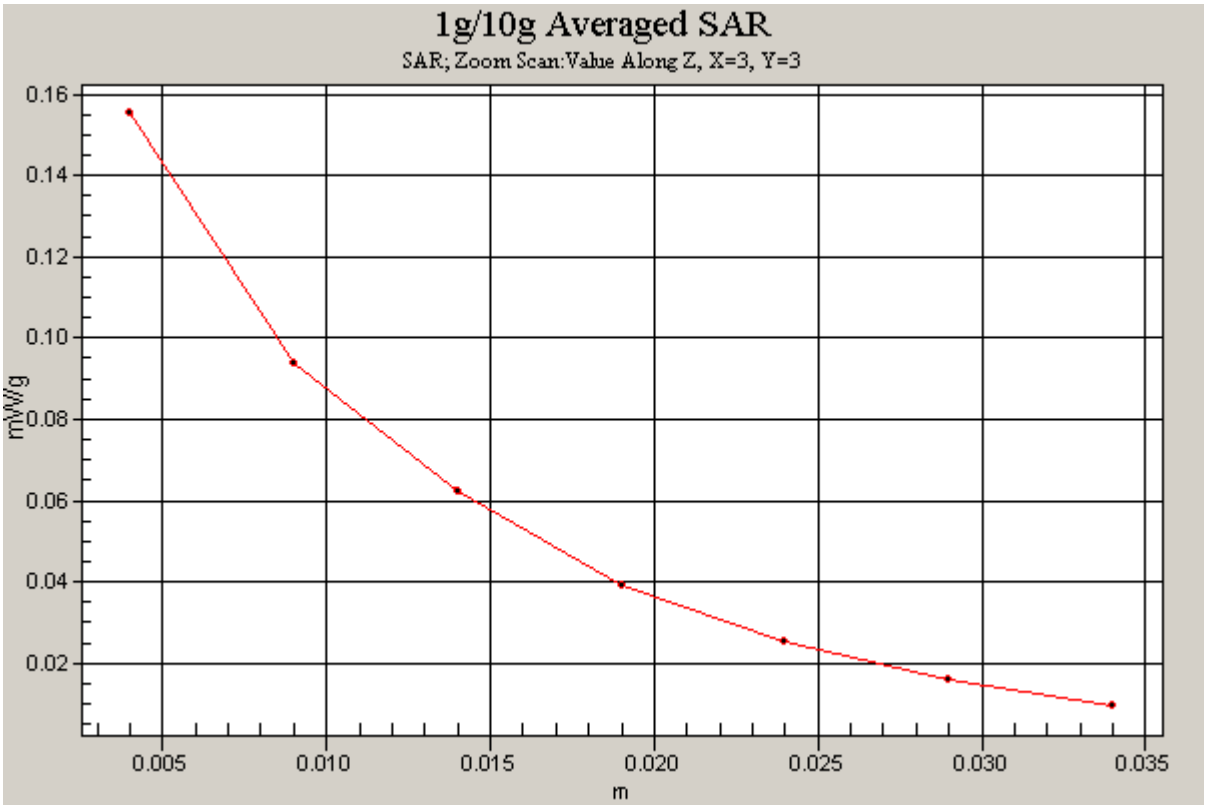


Figure 85 Body, Towards Phantom, Close GSM 1900 Channel190



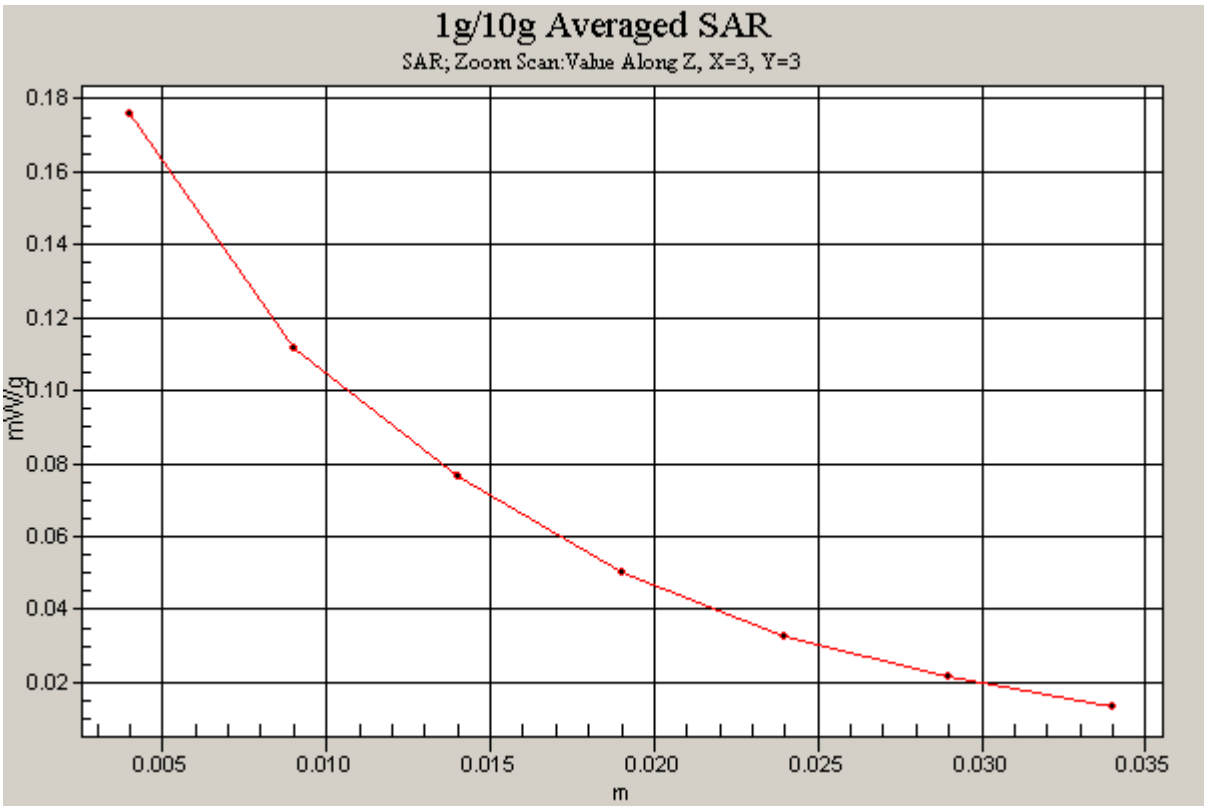


Figure 86 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 1900 Channel190)

GSM 1900 Towards Ground with Earphone Middle Close

Date/Time: 8/16/2009 11:09:09 AM
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.376 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 = -0.020 dB
Peak SAR (extrapolated) = 0.576 W/kg
SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.385 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 = -0.020 dB
Peak SAR (extrapolated) = 0.457 W/kg
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.169 mW/g
Maximum value of SAR (measured) = 0.290 mW/g

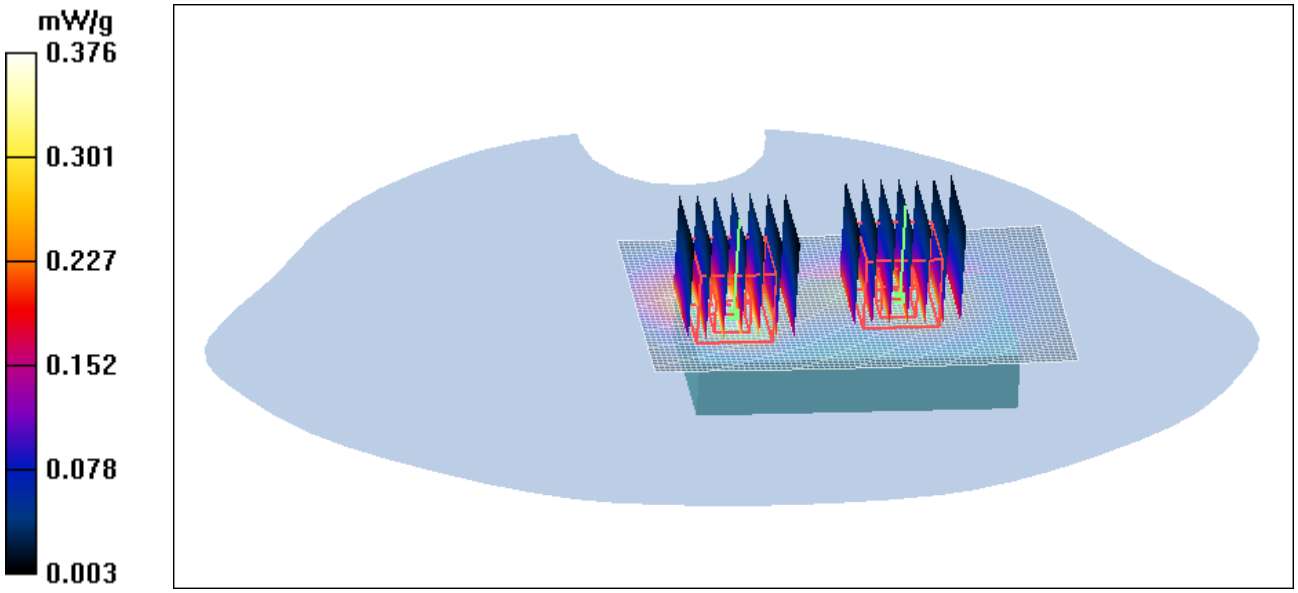
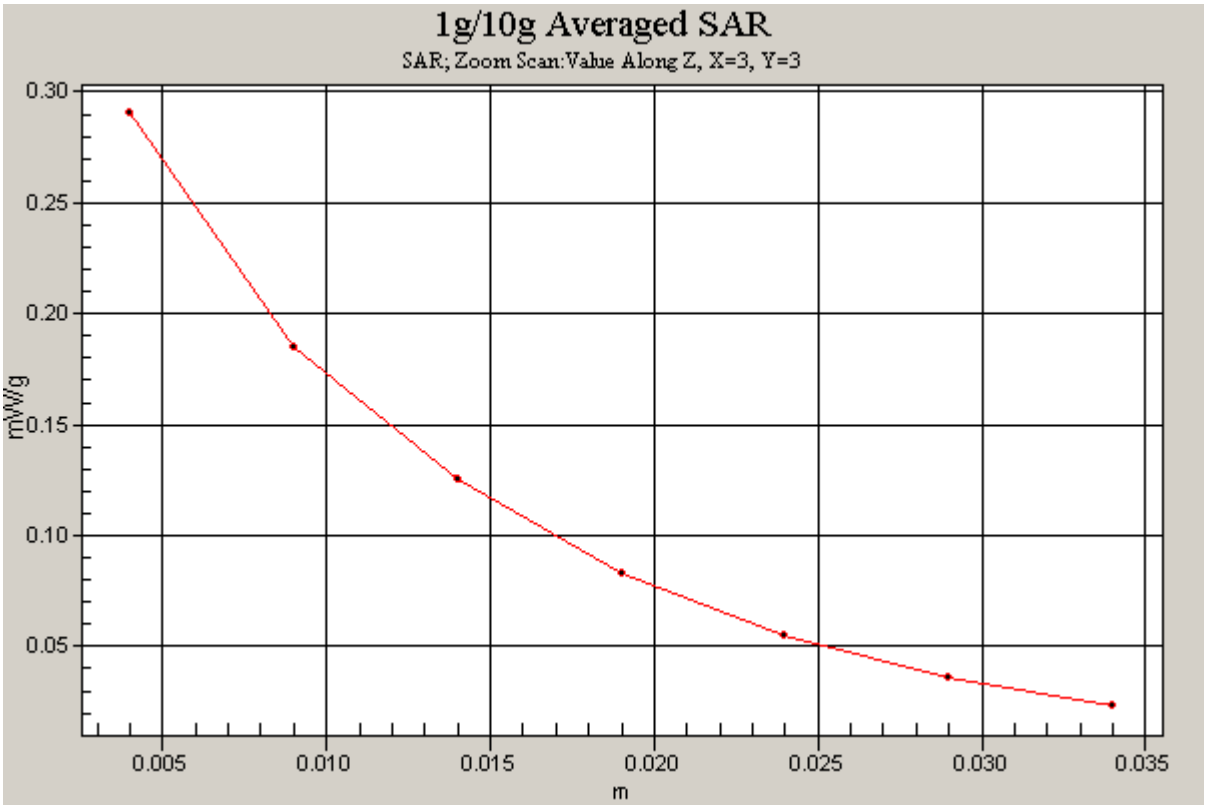


Figure 87 Body with Earphone, Towards Ground, Close GSM 1900 Channel 661



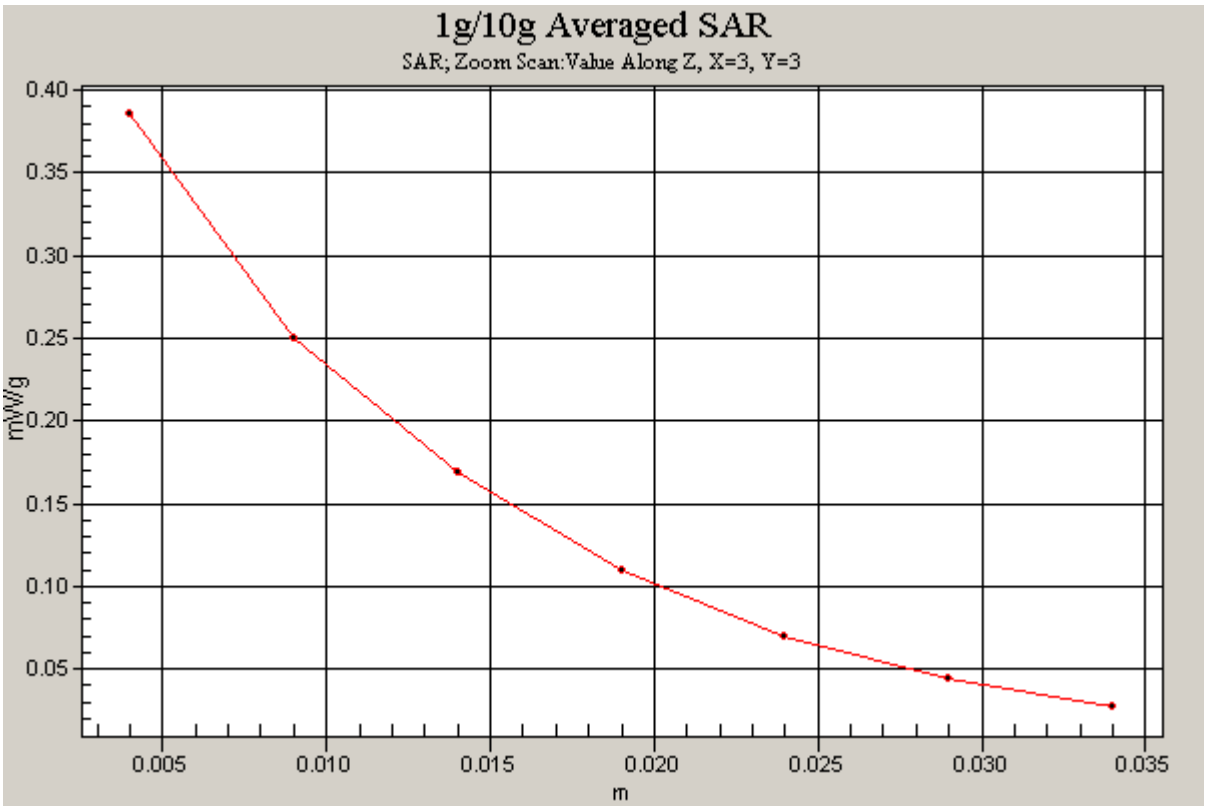


Figure 88 Z-Scan at power reference point (Body with Earphone, Towards Ground, Close GSM 1900 Channel 661)

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

Date/Time: 8/16/2009 10:33:05 PM
Communication System: PCS 1900+GPRS(2Up); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Ambient Temperature:22.3 ℃ Liqiud Temperature: 21.5℃
Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1737; ConvF(4.6, 4.6, 4.6); 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 (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.648 mW/g
Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.8 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.965 W/kg
SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.353 mW/g
Maximum value of SAR (measured) = 0.641 mW/g
Towards Ground Middle/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.8 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.896 W/kg
SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.333 mW/g
Maximum value of SAR (measured) = 0.565 mW/g

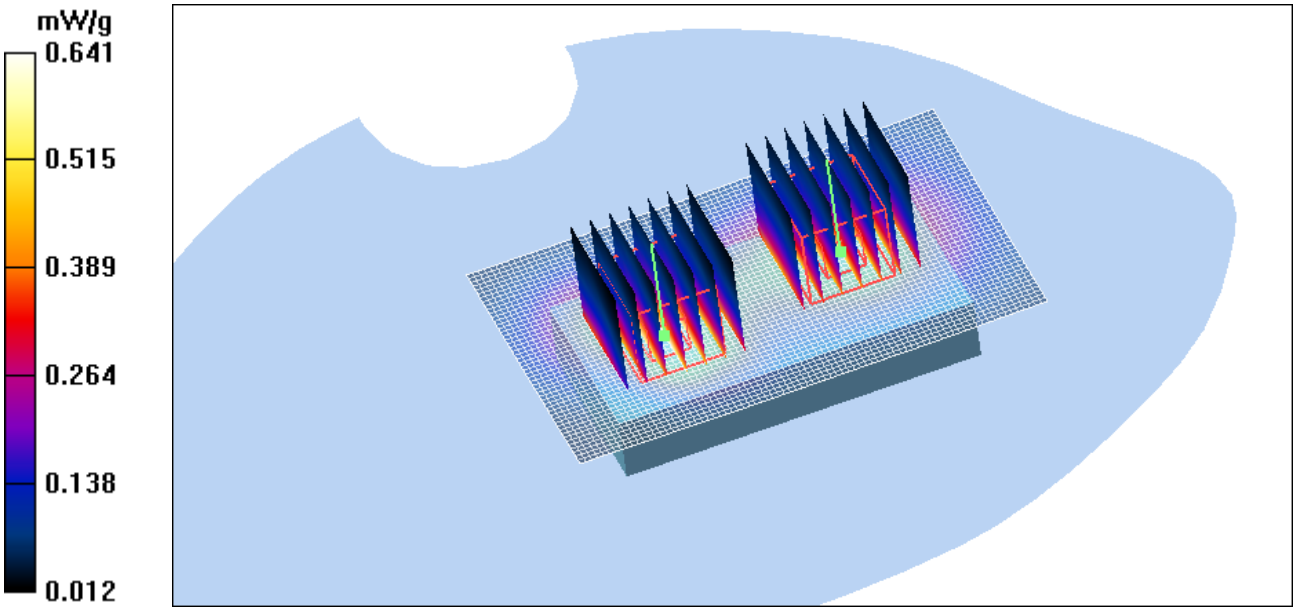
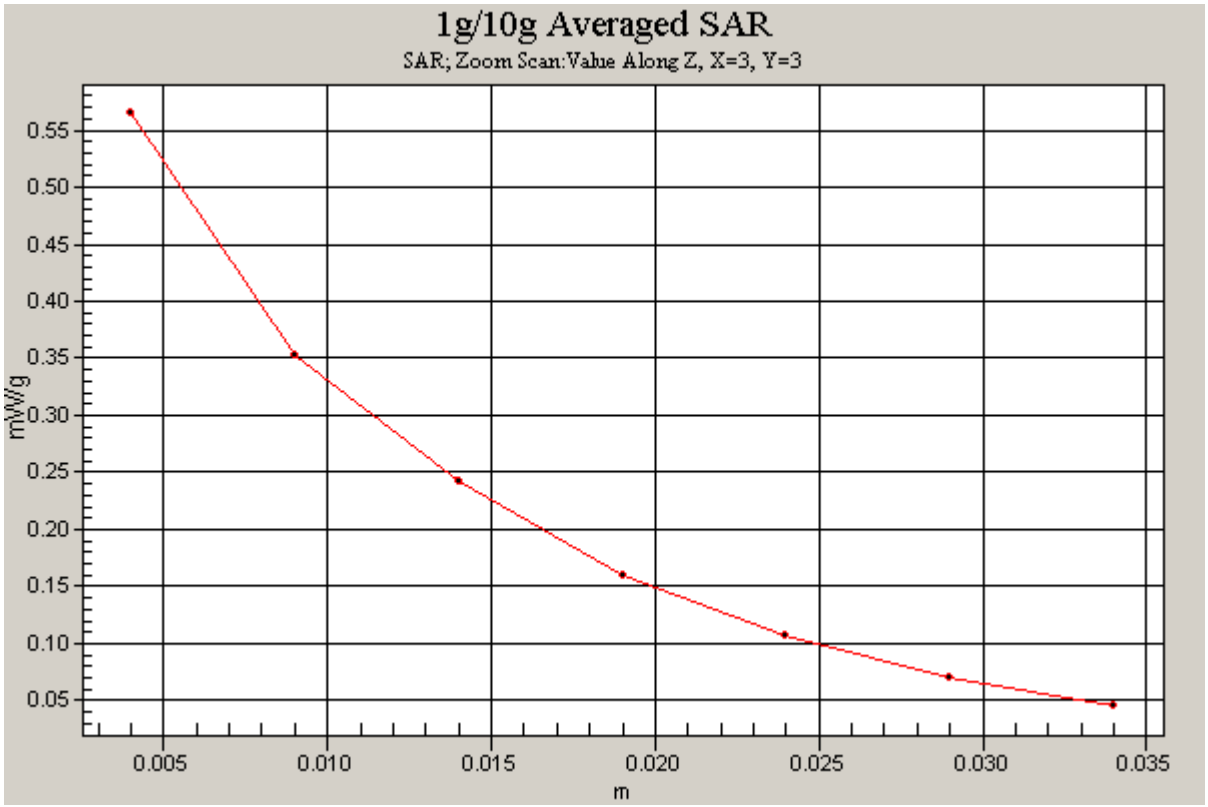


Figure 89 Body, Towards Ground, Close GSM 1900 GPRS(2up) Channel 661



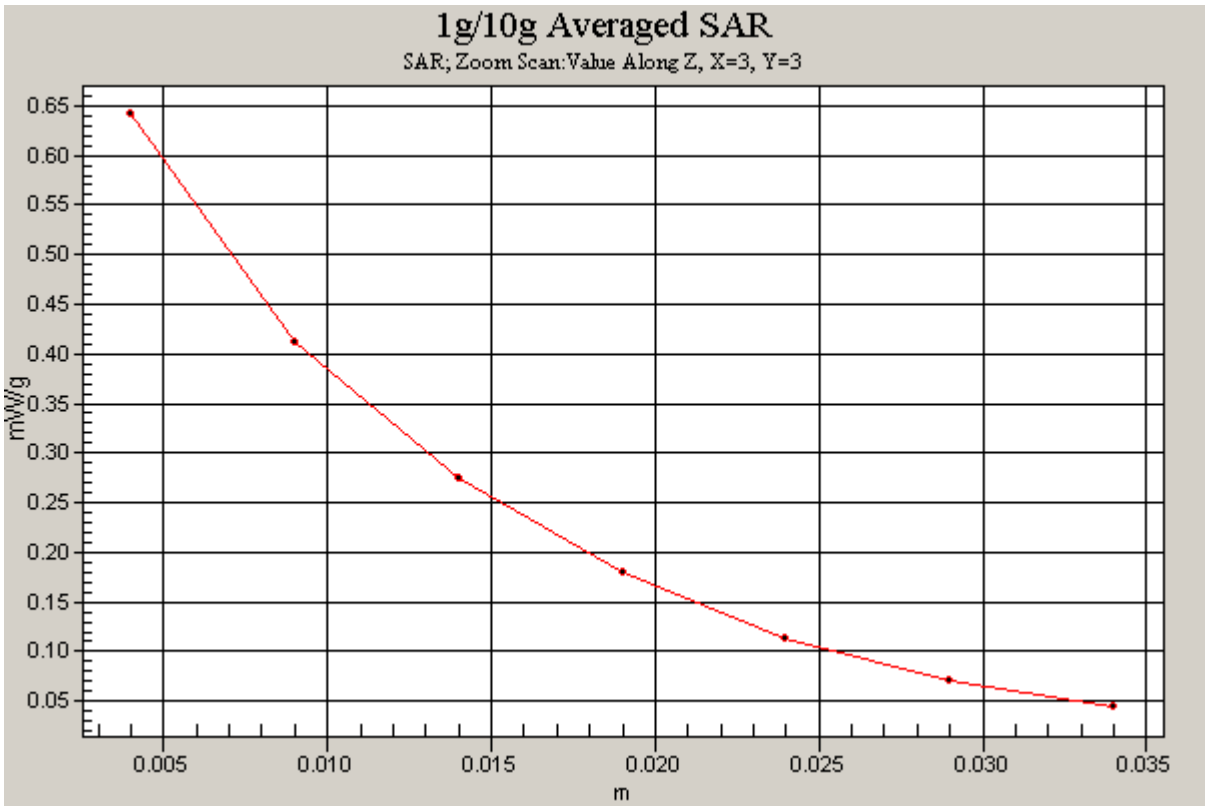


Figure 90 Z-Scan at power reference point (Body, Towards Ground, Close GSM 1900 GPRS(2up) Channel 661)