Figure 72 Z-Scan at power reference point (Left Hand Touch Cheek Close GSM 850 Channel 128)

GSM 850 Left Tilt High Close

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 849 MHz; σ = 0.946 mho/m; ε_r = 42.9; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3660; ConvF(9.19, 9.19, 9.19); 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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

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

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

Reference Value = 7.90 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.060 mW/g

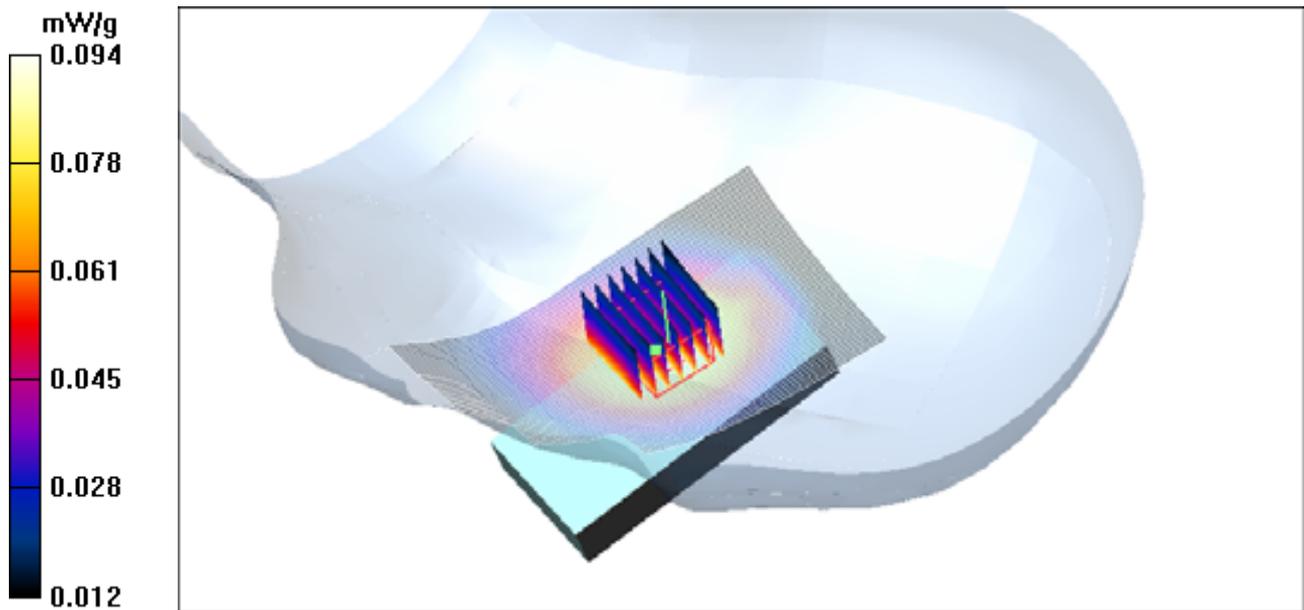Maximum value of SAR (measured) = 0.094 mW/g

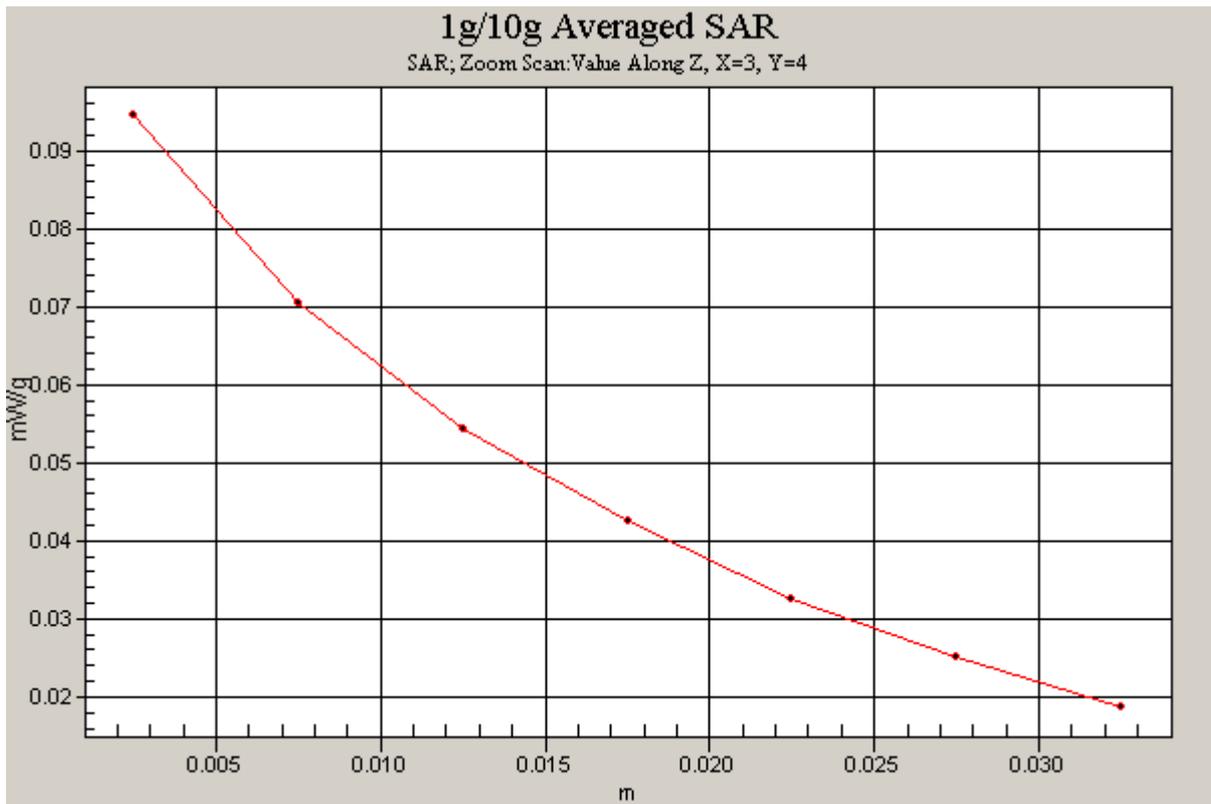Figure 73 Left Hand Tilt 15°Close GSM 850 Channel 251

Figure 74 Z-Scan at power reference point (Left Hand Tilt 15°Close GSM 850 Channel 251)

GSM 850 Left Tilt Middle Close

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 837 MHz; σ = 0.935 mho/m; ε_r = 43; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3660; ConvF(9.19, 9.19, 9.19); 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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.089 mW/g

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

Reference Value = 7.89 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.106 W/kg

SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.058 mW/g

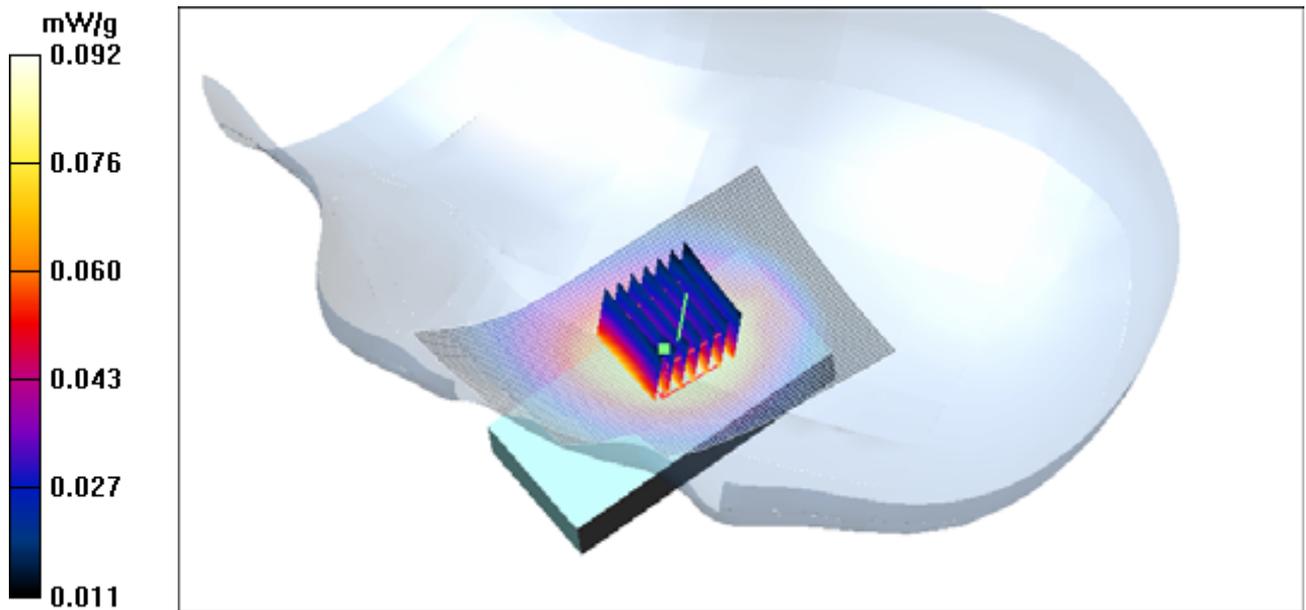Maximum value of SAR (measured) = 0.092 mW/g

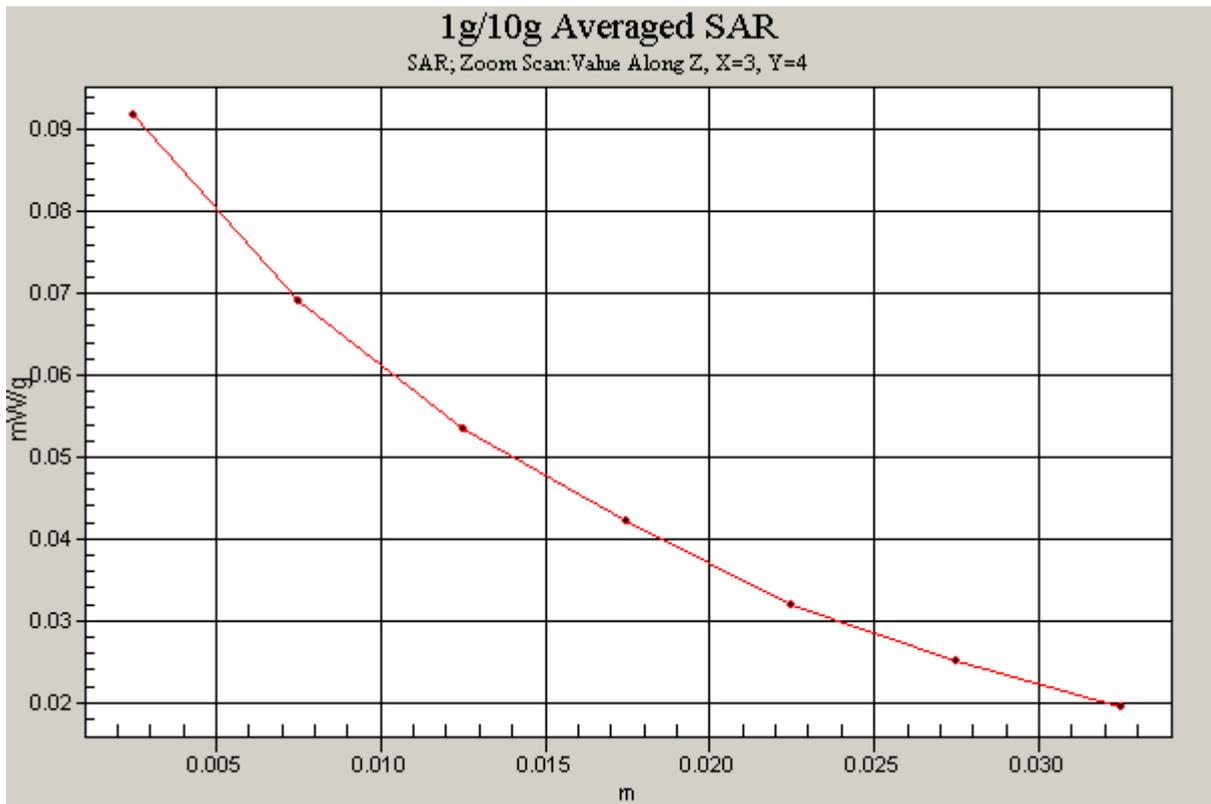Figure 75 Left Hand Tilt 15°Close GSM 850 Channel 190

Figure 76 Z-Scan at power reference point (Left Hand Tilt 15°Close GSM 850 Channel 190)

GSM 850 Left Tilt Low Close

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.915 mho/m; $ε_r$ = 43.2; ρ = 1000 kg/m^3

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3660; ConvF(9.19, 9.19, 9.19); 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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.099 mW/g

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

Reference Value = 8.37 V/m; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 0.117 W/kg

SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.065 mW/g

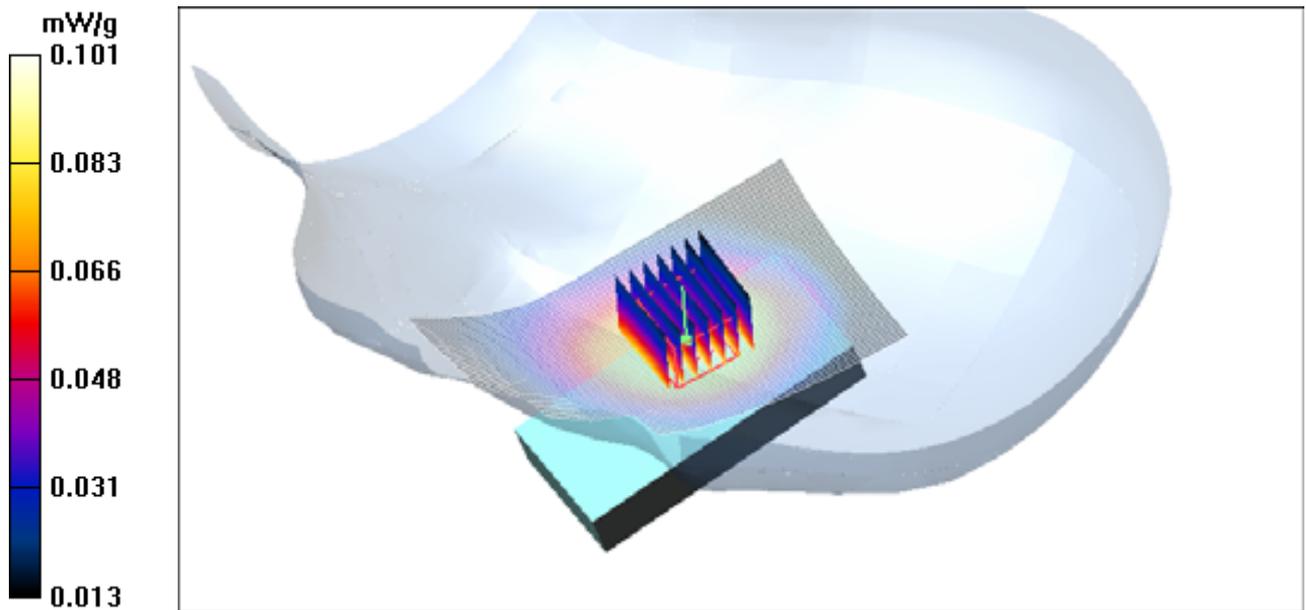Maximum value of SAR (measured) = 0.101 mW/g

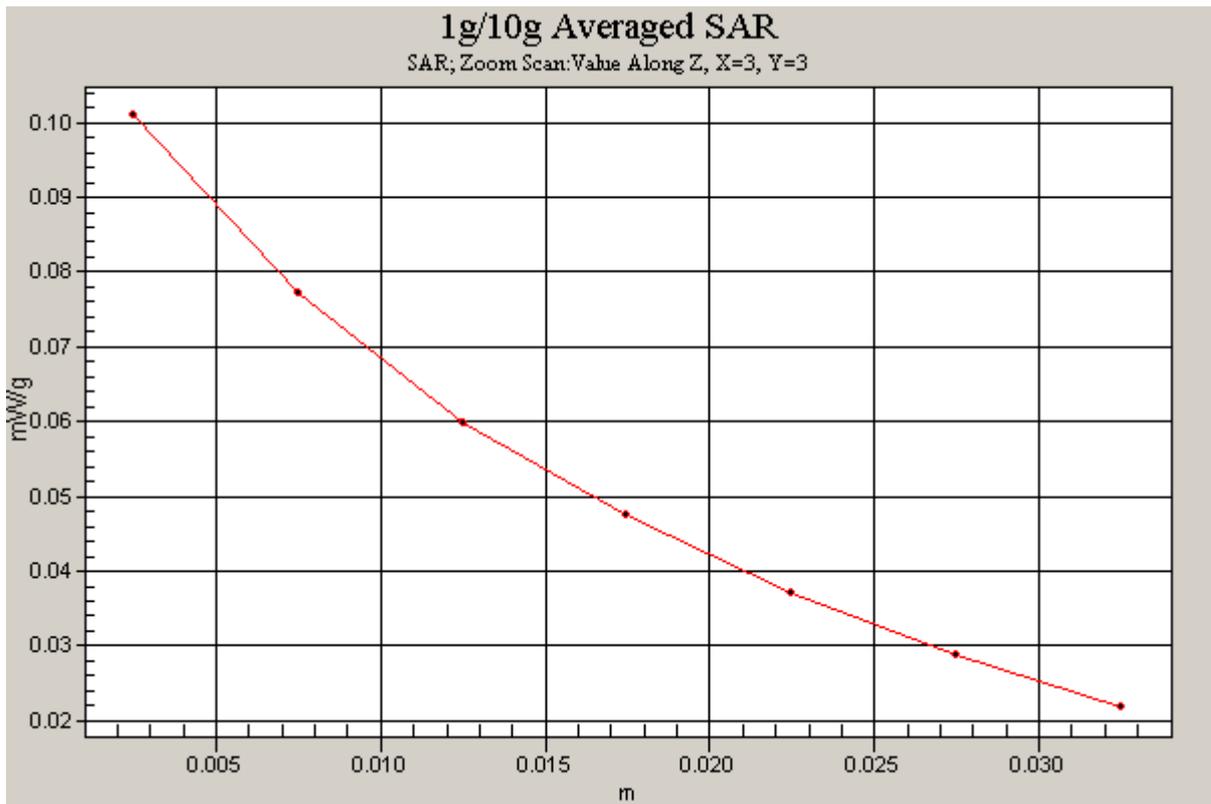Figure 77 Left Hand Tilt 15°Close GSM 850 Channel 128

Figure 78 Z-Scan at power reference point (Left Hand Tilt 15°Close GSM 850 Channel 128)

GSM 850 Right Cheek High Close

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 849 MHz; σ = 0.946 mho/m; ε_r = 42.9; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3660; ConvF(9.19, 9.19, 9.19); 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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.139 mW/g

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

Reference Value = 6.28 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.156 W/kg

SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.091 mW/g

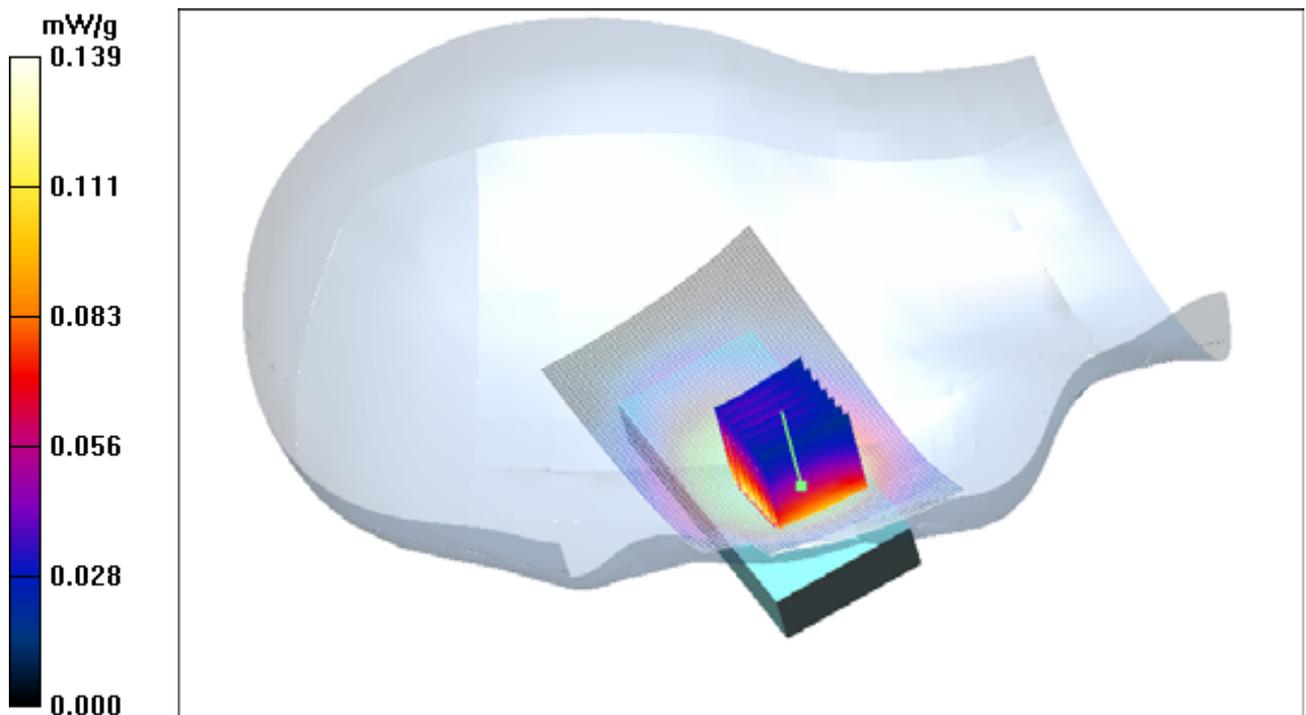Maximum value of SAR (measured) = 0.137 mW/g

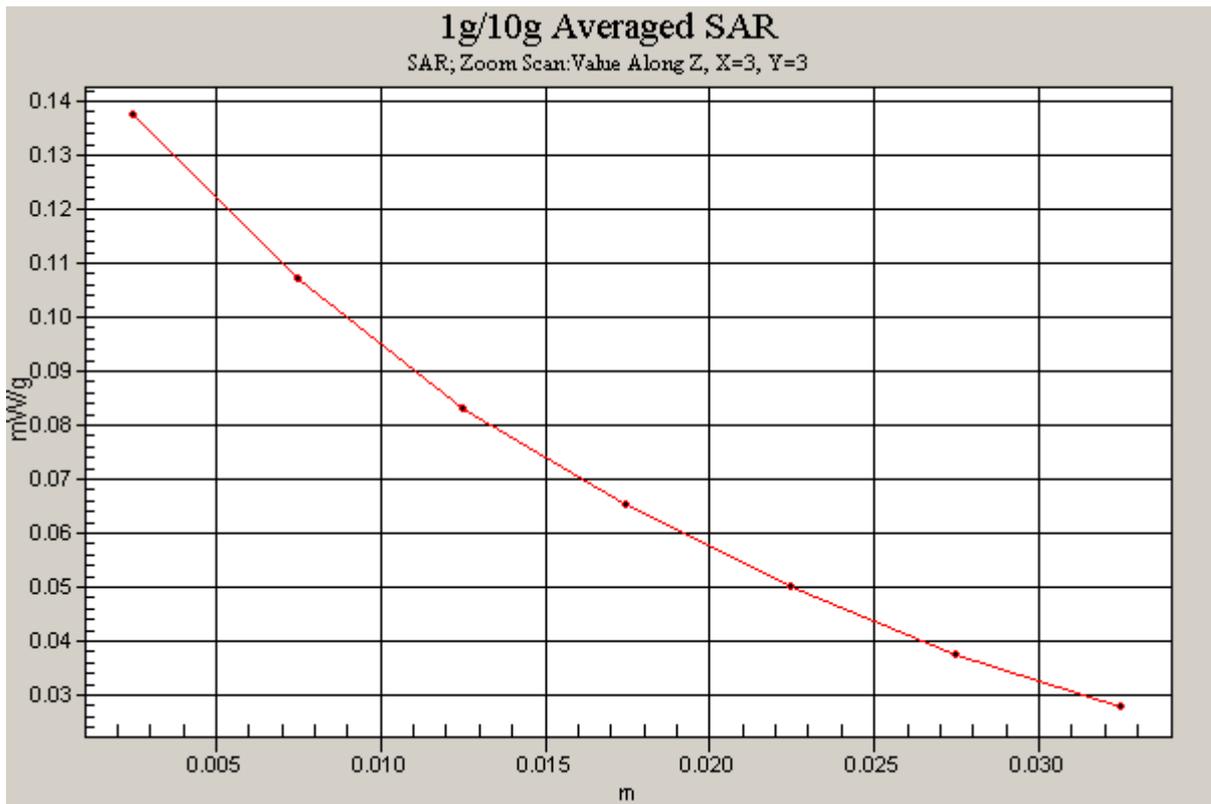Figure 79 Right Hand Touch Cheek Close GSM 850 Channel 251

Figure 80 Z-Scan at power reference point (Right Hand Touch Cheek Close GSM 850 Channel 251)

GSM 850 Right Cheek Middle Close

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 837 MHz; σ = 0.935 mho/m; ε_r = 43; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3660; ConvF(9.19, 9.19, 9.19); 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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.134 mW/g

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

Reference Value = 6.34 V/m; Power Drift = -0.190 dB

Peak SAR (extrapolated) = 0.149 W/kg

SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.088 mW/g
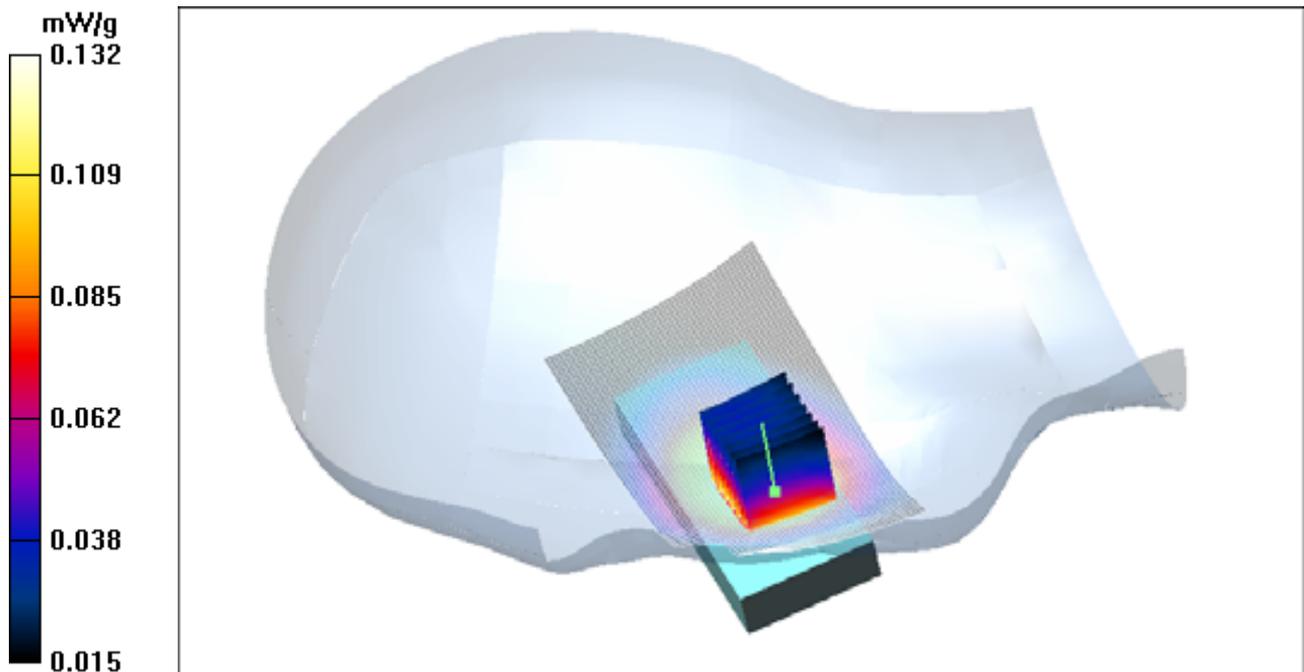
Maximum value of SAR (measured) = 0.132 mW/g

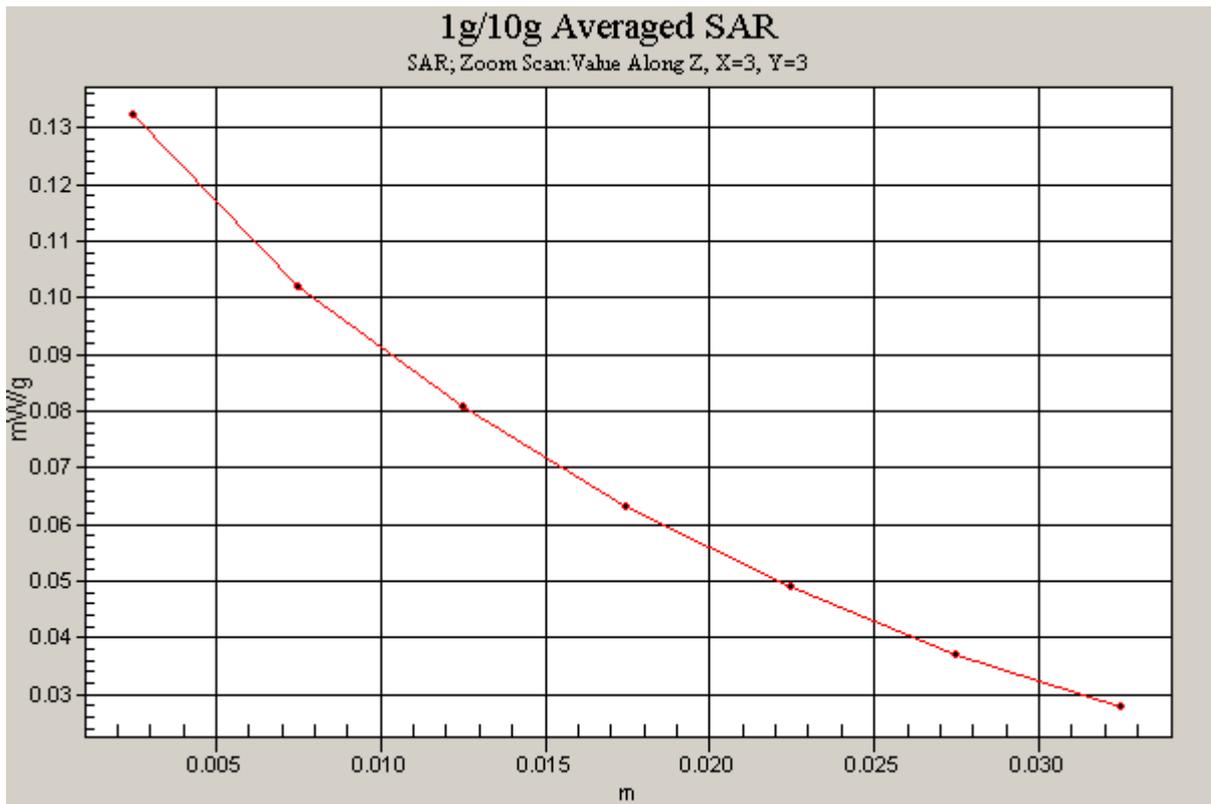Figure 81 Right Hand Touch Cheek Close GSM 850 Channel 190

Figure 82 Z-Scan at power reference point (Right Hand Touch Cheek Close GSM 850 Channel 190)

Date/Time: 3/22/2009 6:41:43 PM

GSM 850 Right Cheek Low Close

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.915 mho/m; ε_r = 43.2; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3660; ConvF(9.19, 9.19, 9.19); 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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

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

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

Reference Value = 6.49 V/m; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 0.156 W/kg

SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.092 mW/g

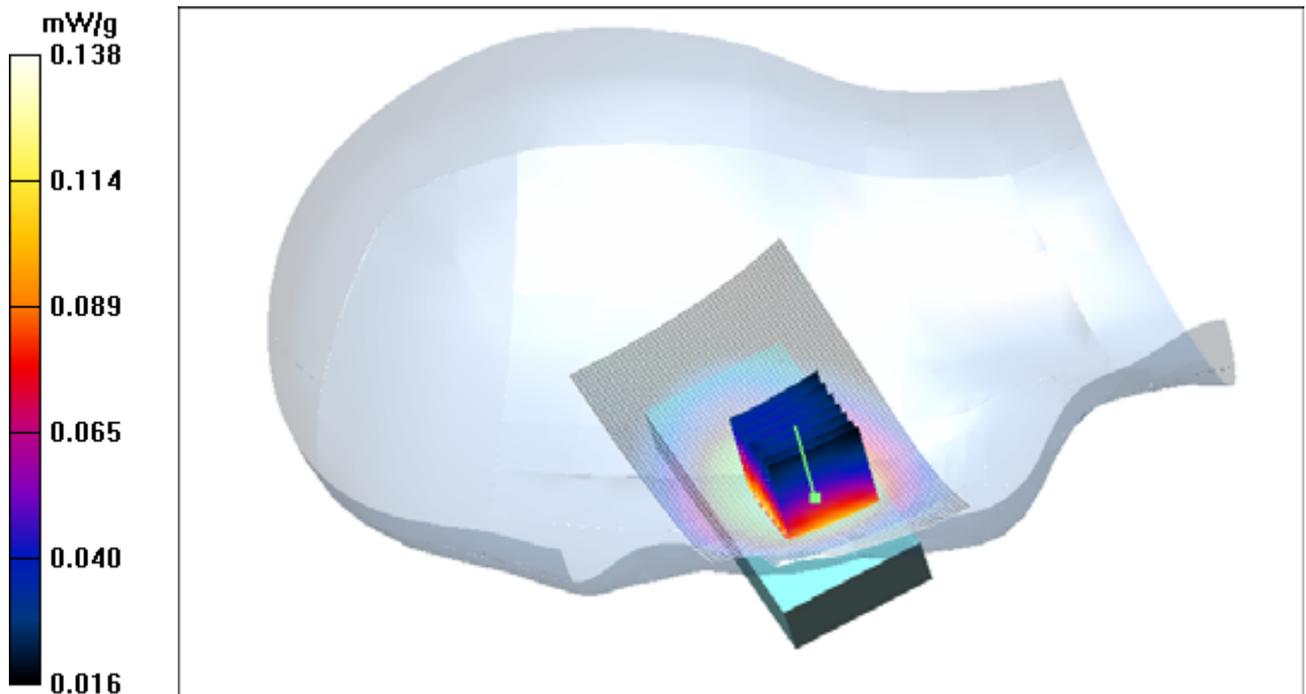Maximum value of SAR (measured) = 0.138 mW/g

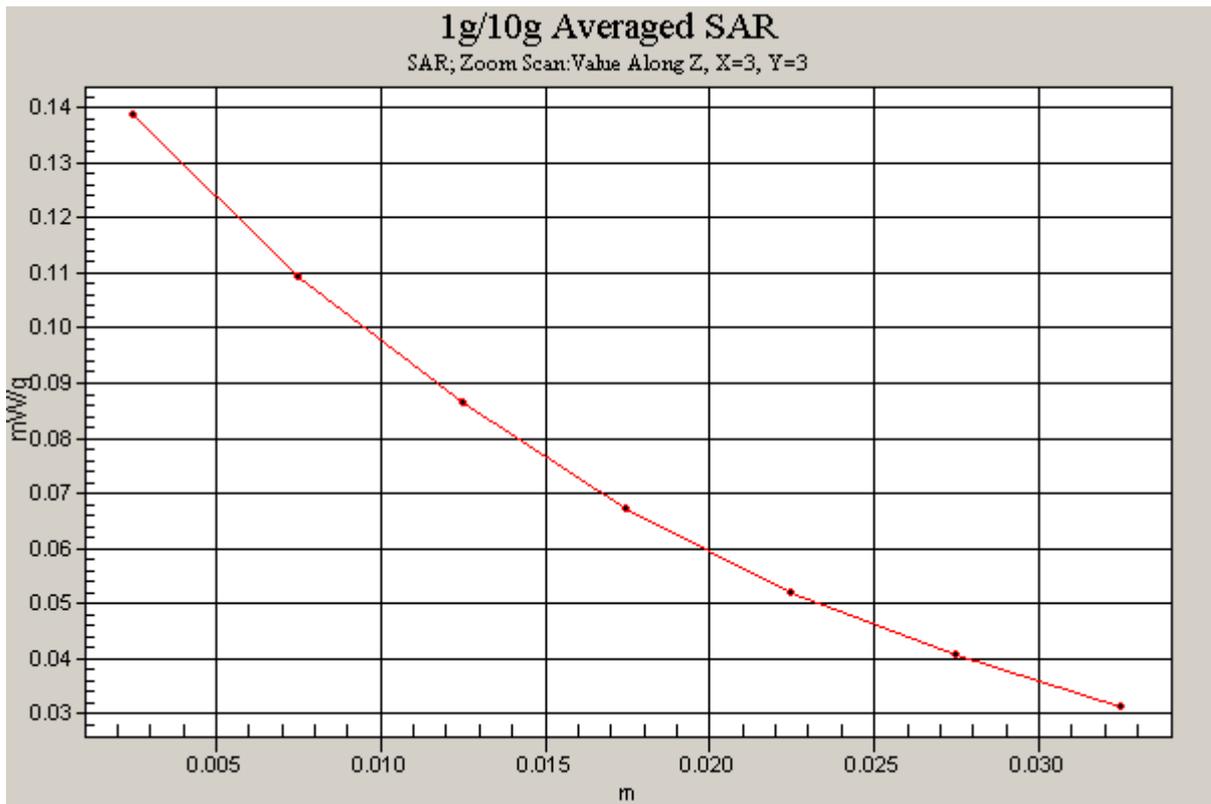Figure 83 Right Hand Touch Cheek Close GSM 850 Channel 128

Figure 84 Z-Scan at power reference point (Right Hand Touch Cheek Close GSM 850 Channel 128)

GSM 850 Right Tilt High Close

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 849 MHz; σ = 0.946 mho/m; ε_r = 42.9; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3660; ConvF(9.19, 9.19, 9.19); 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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.111 mW/g

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

Reference Value = 8.65 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.071 mW/g

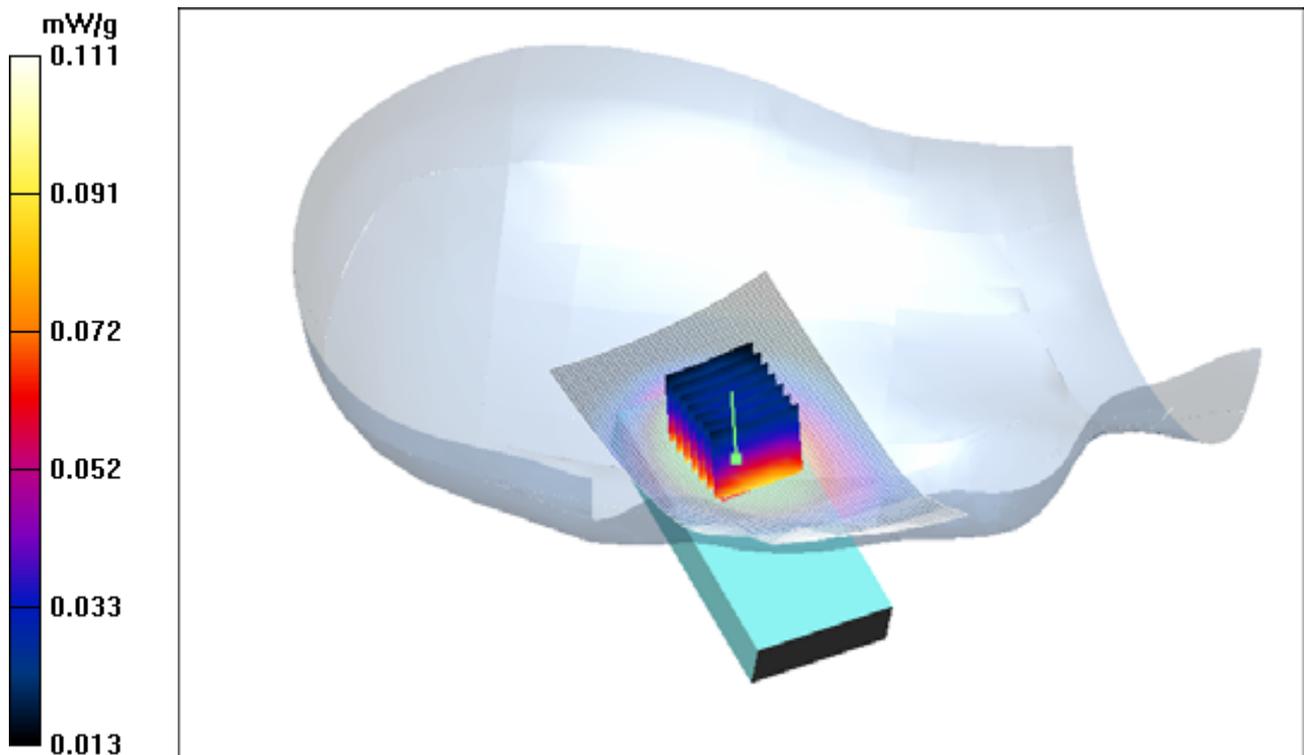Maximum value of SAR (measured) = 0.111 mW/g

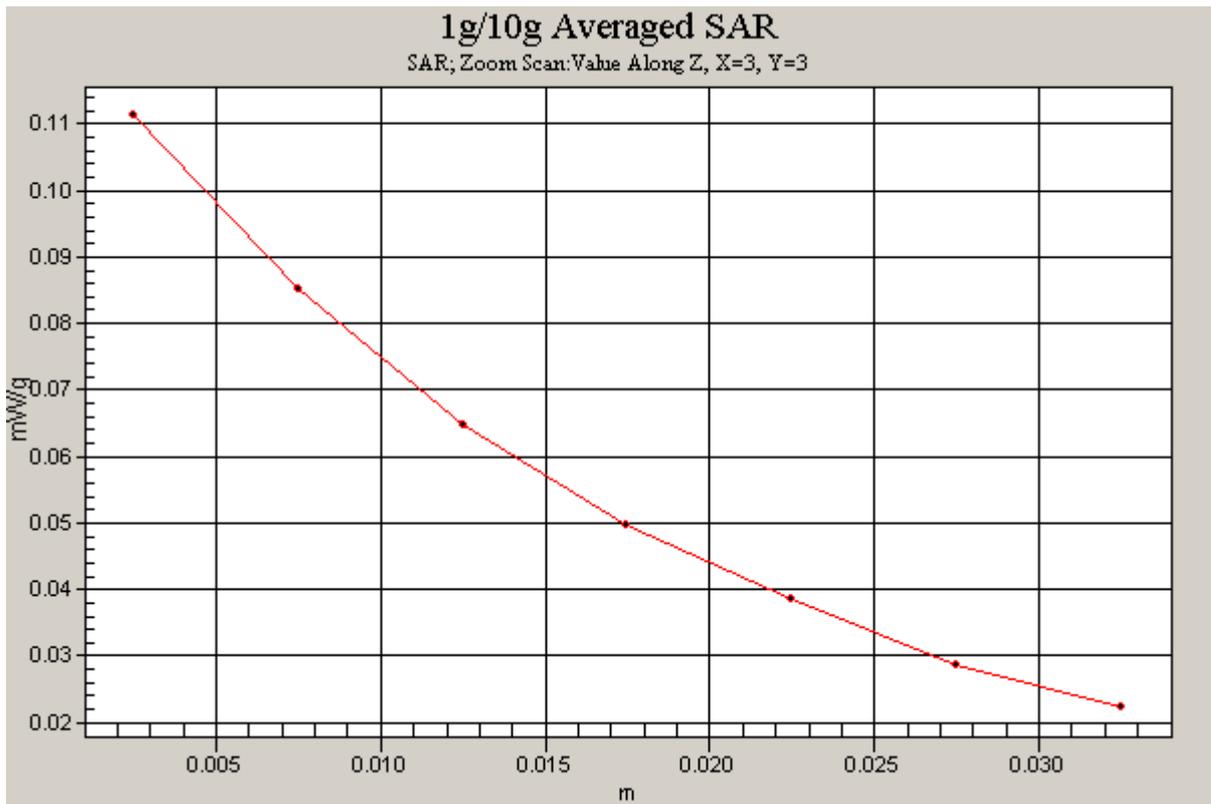Figure 85 Right Hand Tilt 15°Close GSM 850 Channel 251

Figure 86 Z-Scan at power reference point (Right Hand Tilt 15°Close GSM 850 Channel 251)

GSM 850 Right Tilt Middle Close

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 837 MHz; σ = 0.935 mho/m; ε_r = 43; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3660; ConvF(9.19, 9.19, 9.19); 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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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 = 8.72 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.071 mW/g

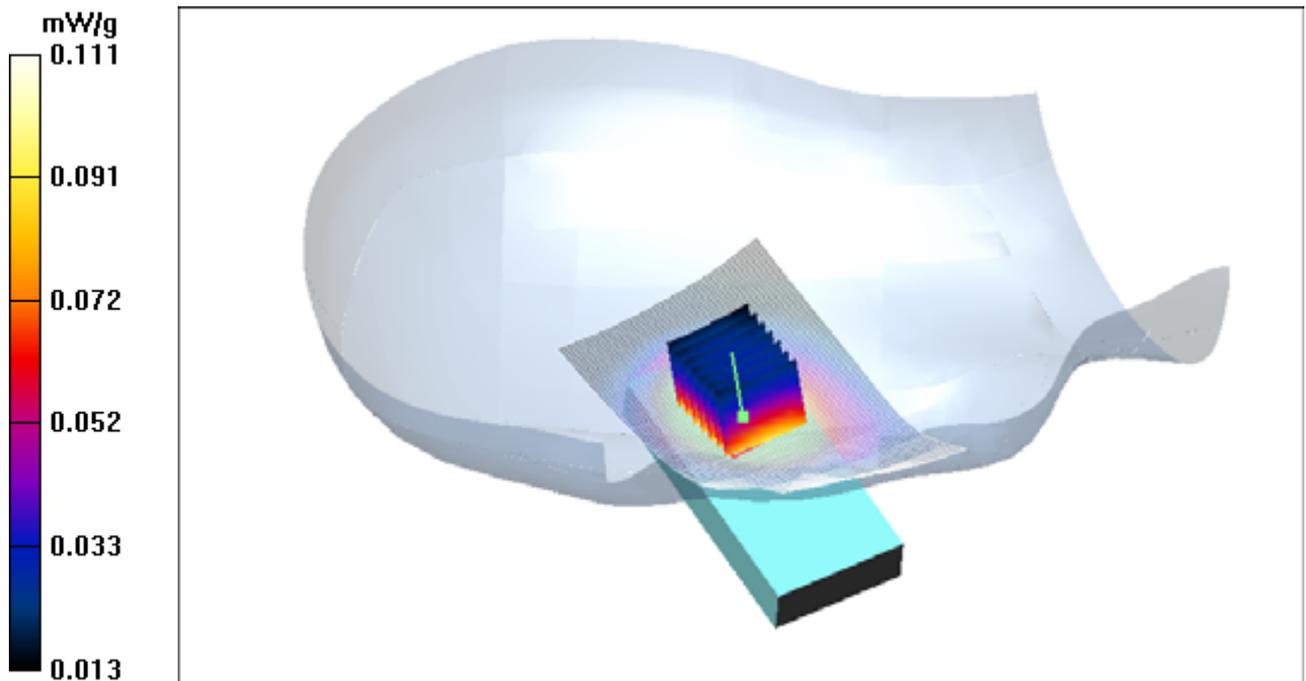Maximum value of SAR (measured) = 0.111 mW/g

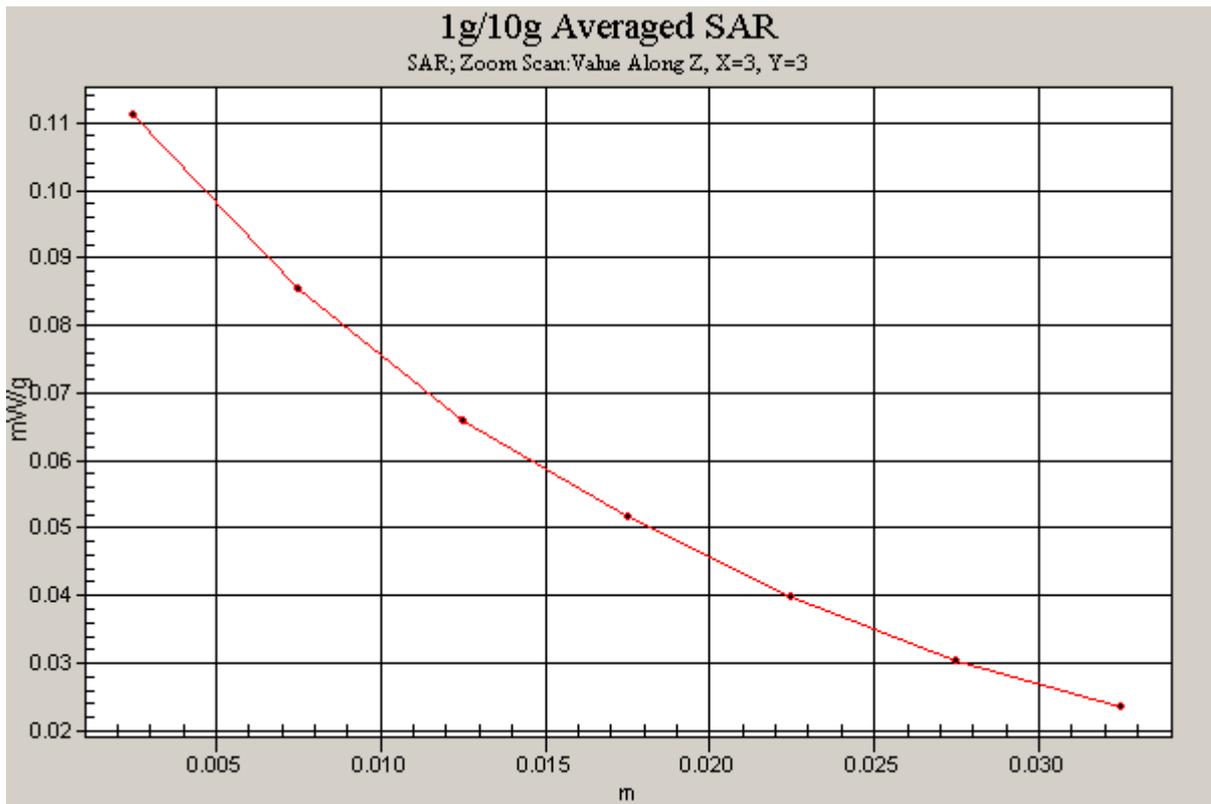Figure 87 Right Hand Tilt 15°Close GSM 850 Channel 190

Figure 88 Z-Scan at power reference point (Right Hand Tilt 15°Close GSM 850 Channel 190)

GSM 850 Right Tilt Low Close

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.915 mho/m; ε_r = 43.2; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3660; ConvF(9.19, 9.19, 9.19); 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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

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

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

Reference Value = 9.14 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.132 W/kg

SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.075 mW/g
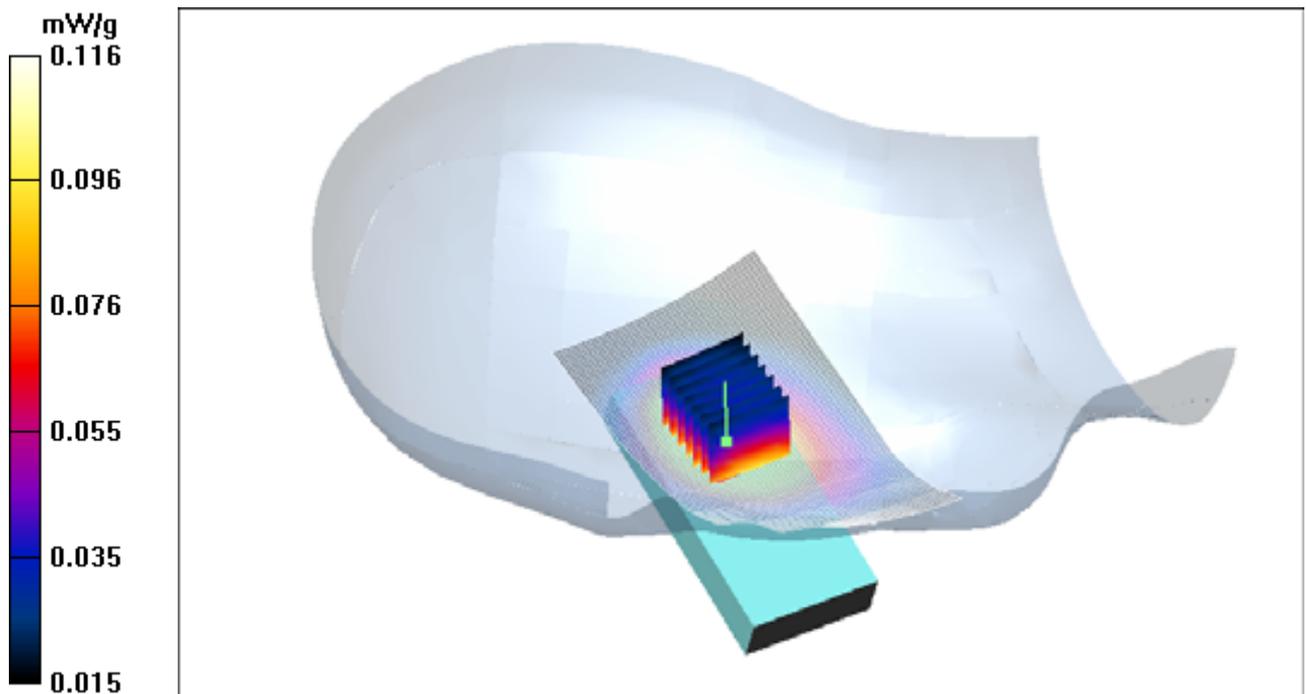
Maximum value of SAR (measured) = 0.116 mW/g

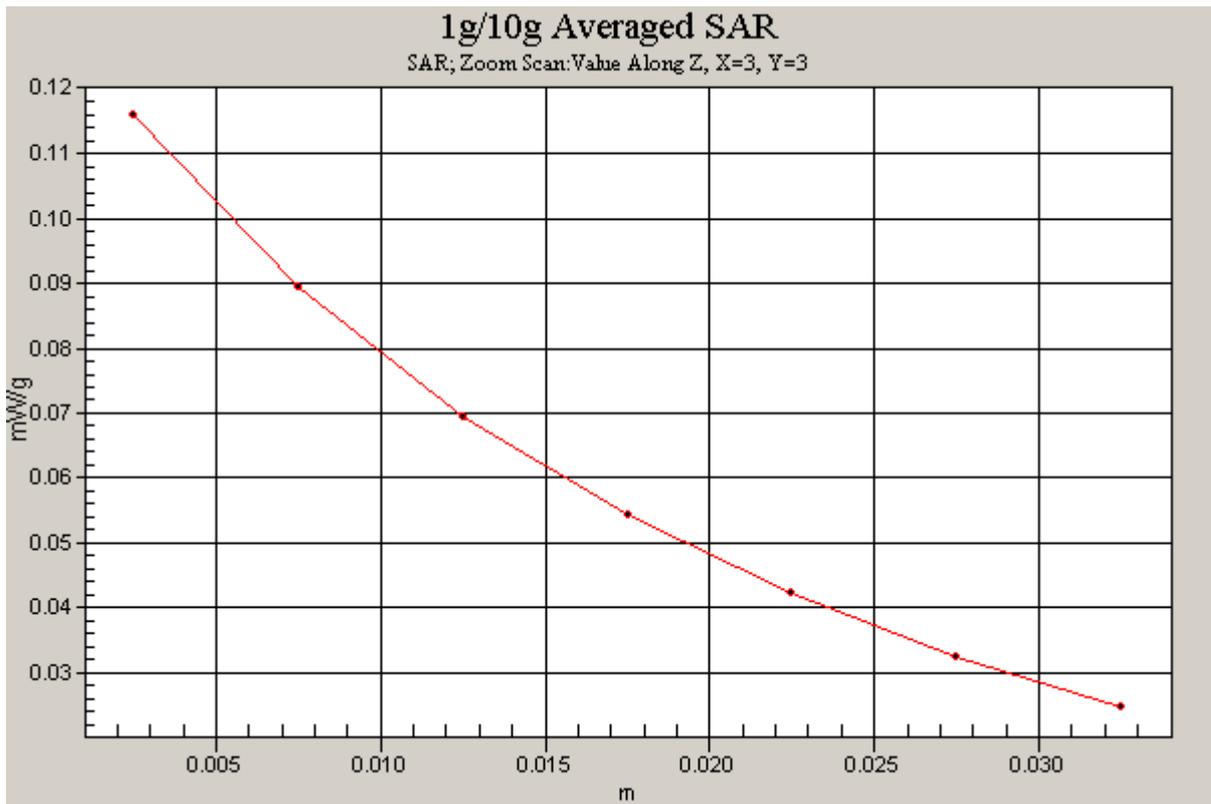Figure 89 Right Hand Tilt 15°Close GSM 850 Channel 128

Figure 90 Z-Scan at power reference point (Right Hand Tilt 15°Close GSM 850 Channel 128)

Date/Time: 3/22/2009 9:24:11 AM

GSM 850 Towards Ground High Close

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 849 MHz; σ = 0.976 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.224 mW/g

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

Reference Value = 5.71 V/m; Power Drift = 0.070 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.209 mW/g

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

Reference Value = 5.71 V/m; Power Drift = 0.070 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.121 mW/g

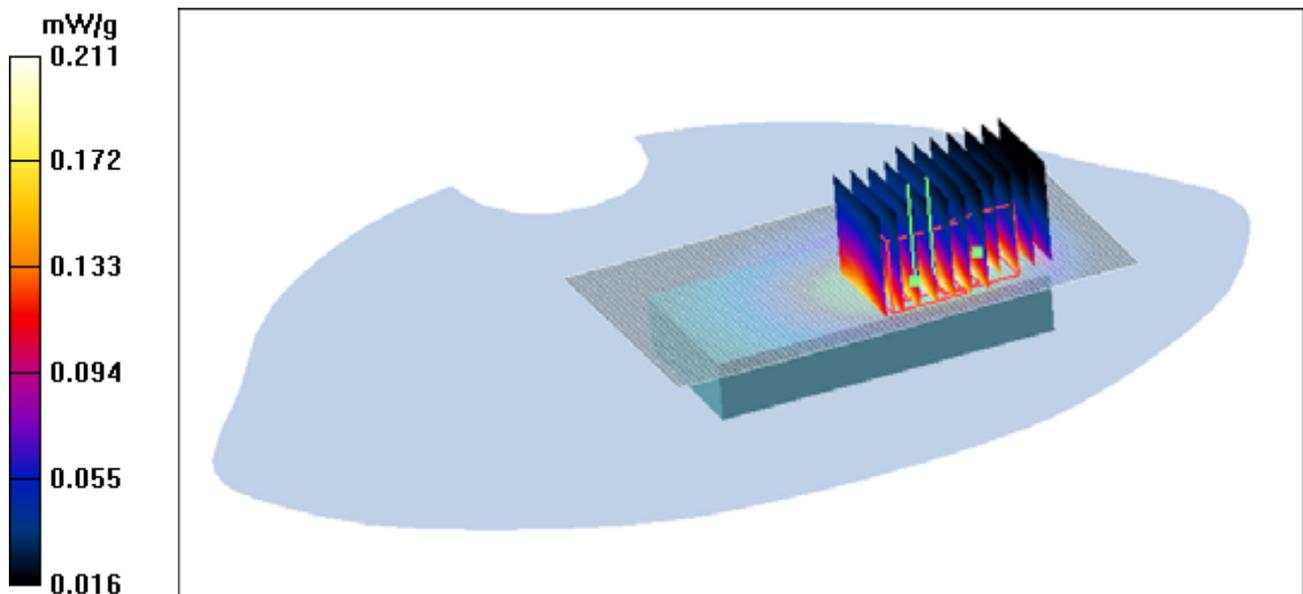Maximum value of SAR (measured) = 0.211 mW/g

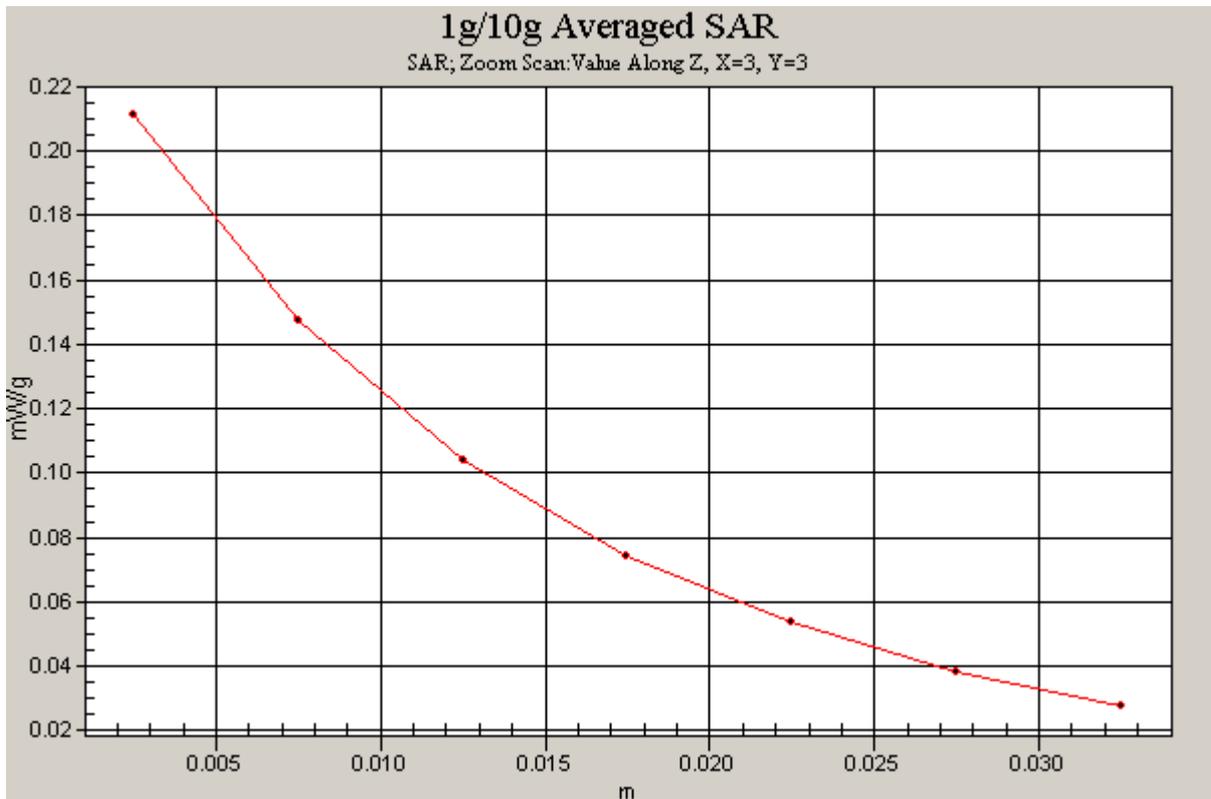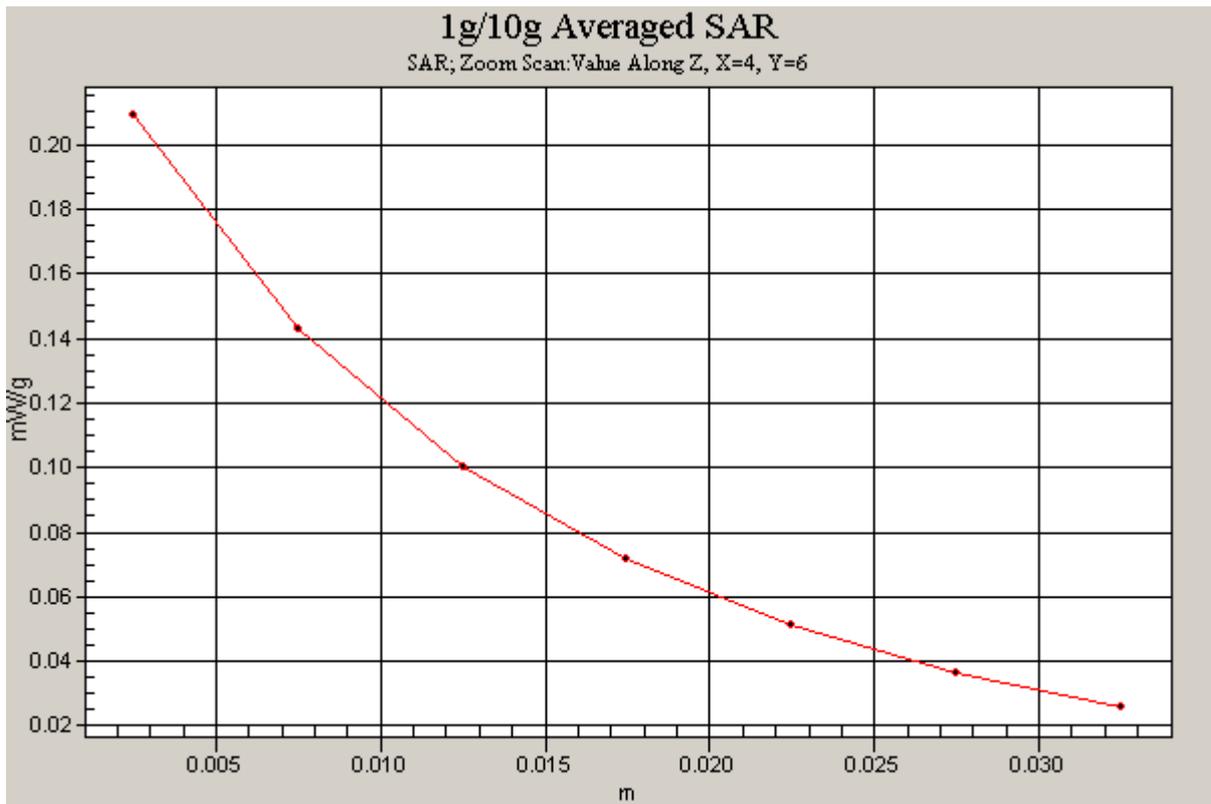Figure 91 Body, Towards Ground, Close GSM 850 Channel 251

Figure 92 Z-Scan at power reference point (Body, Towards Ground, Close GSM 850 Channel 251)

Date/Time: 3/22/2009 8:44:06 AM

GSM 850 Towards Ground Middle Close

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 837 MHz; σ = 0.961 mho/m; $ε_r$ = 54.9; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.210 mW/g

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

Reference Value = 5.48 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR (measured) = 0.196 mW/g

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

Reference Value = 5.48 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.114 mW/g

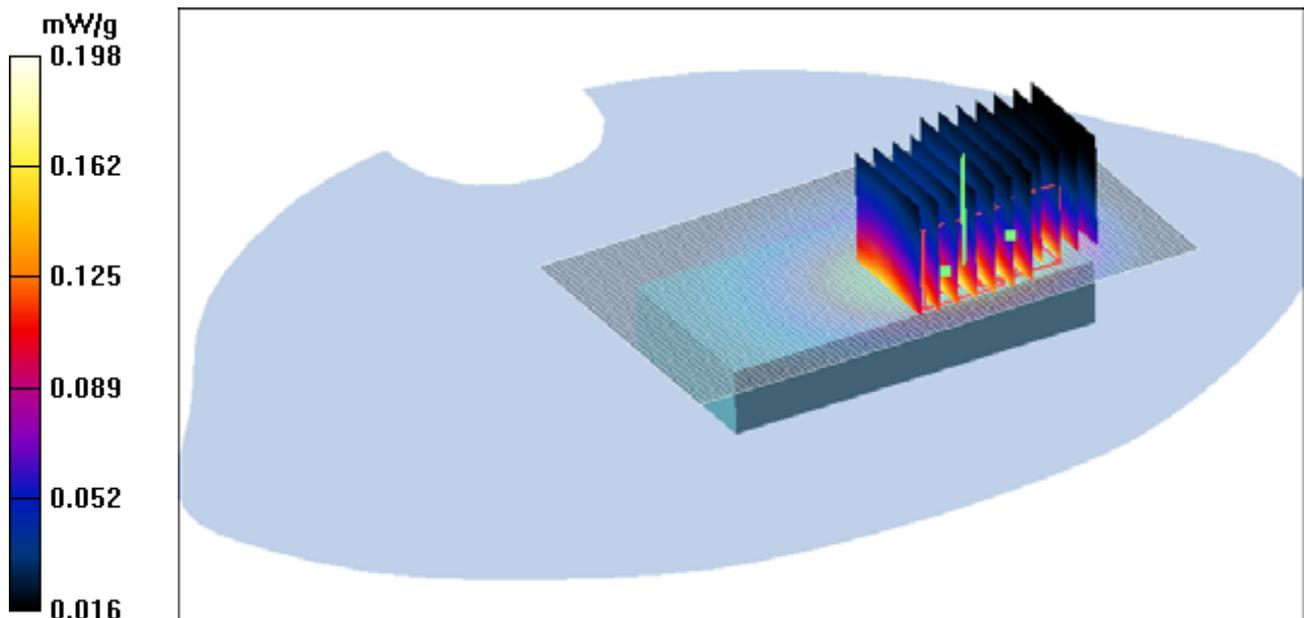Maximum value of SAR (measured) = 0.198 mW/g

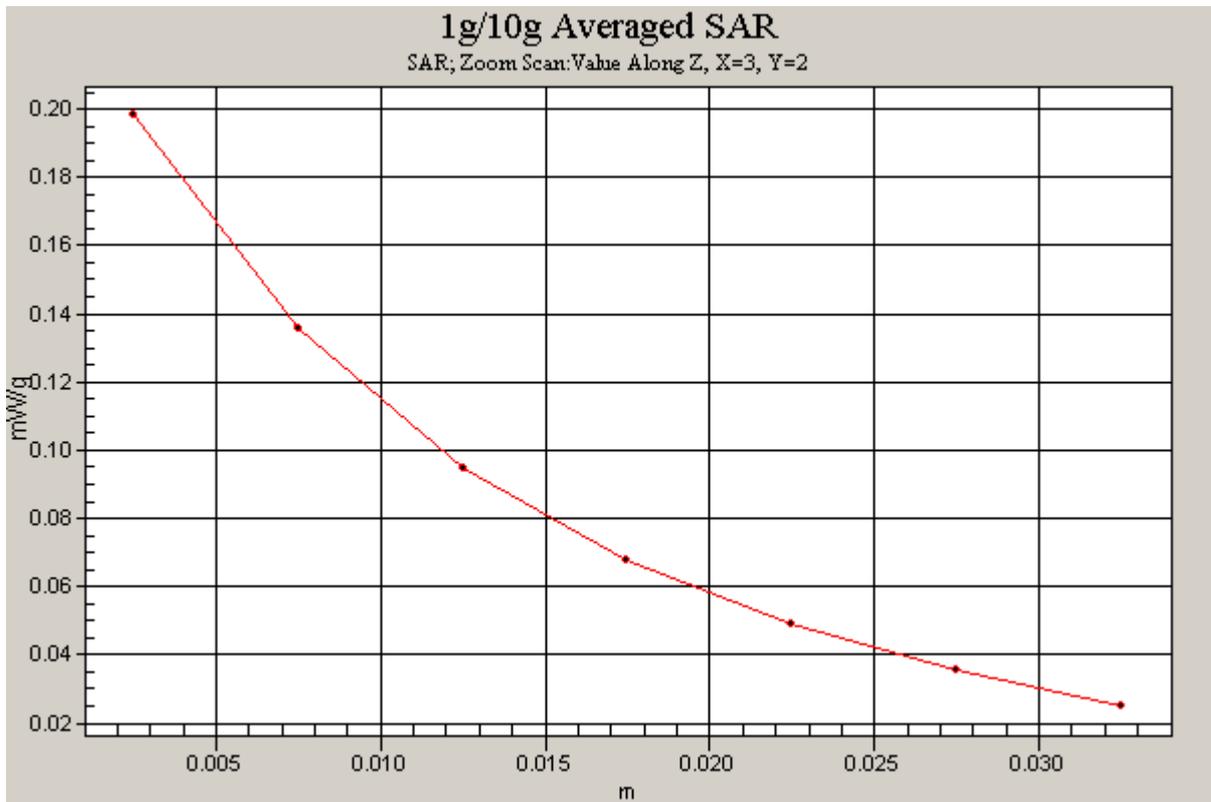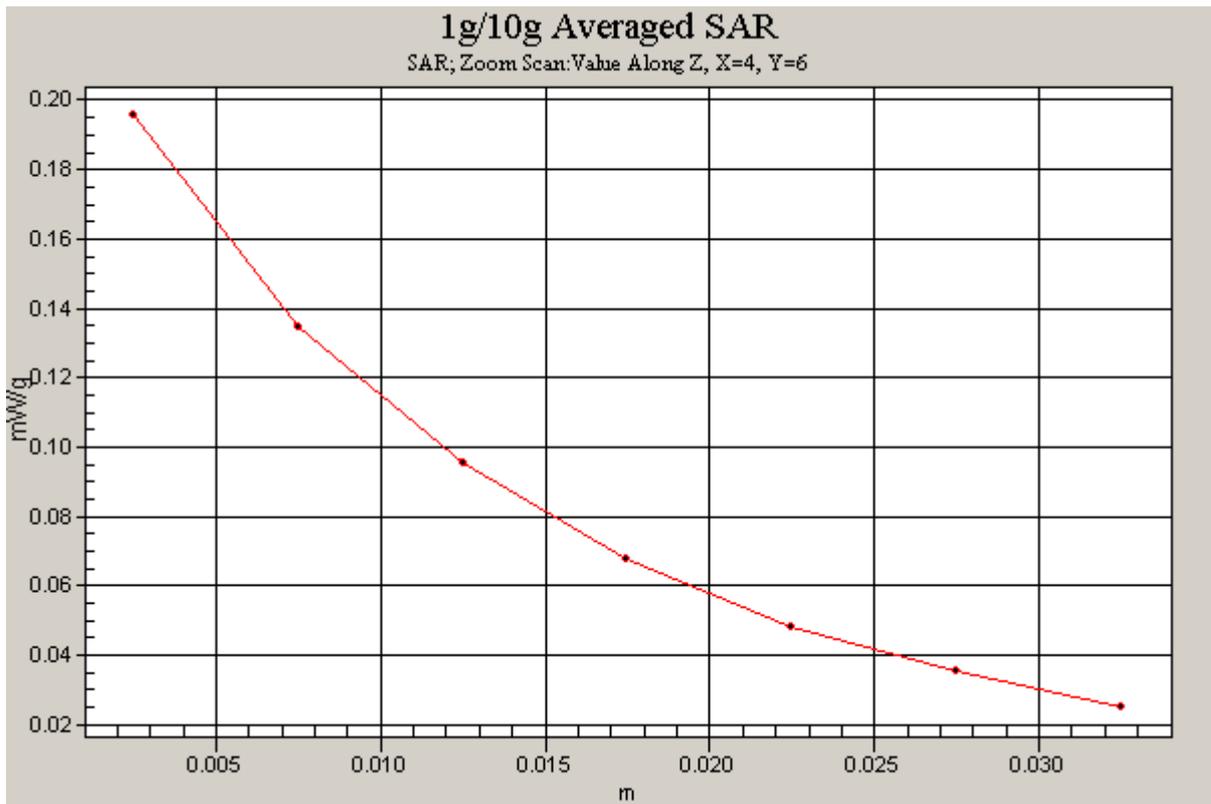Figure 93 Body, Towards Ground, Close GSM 850 Channel 190

Figure 94 Z-Scan at power reference point (Body, Towards Ground, Close GSM 850 Channel 190)

Date/Time: 3/22/2009 9:54:57 AM

GSM 850 Towards Ground Low Close

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.949 mho/m; ε_r = 55.1; ρ = 1000 kg/m³

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Towards Ground Low/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.214 mW/g

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

Reference Value = 5.61 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.214 mW/g

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

Reference Value = 5.61 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.111 mW/g
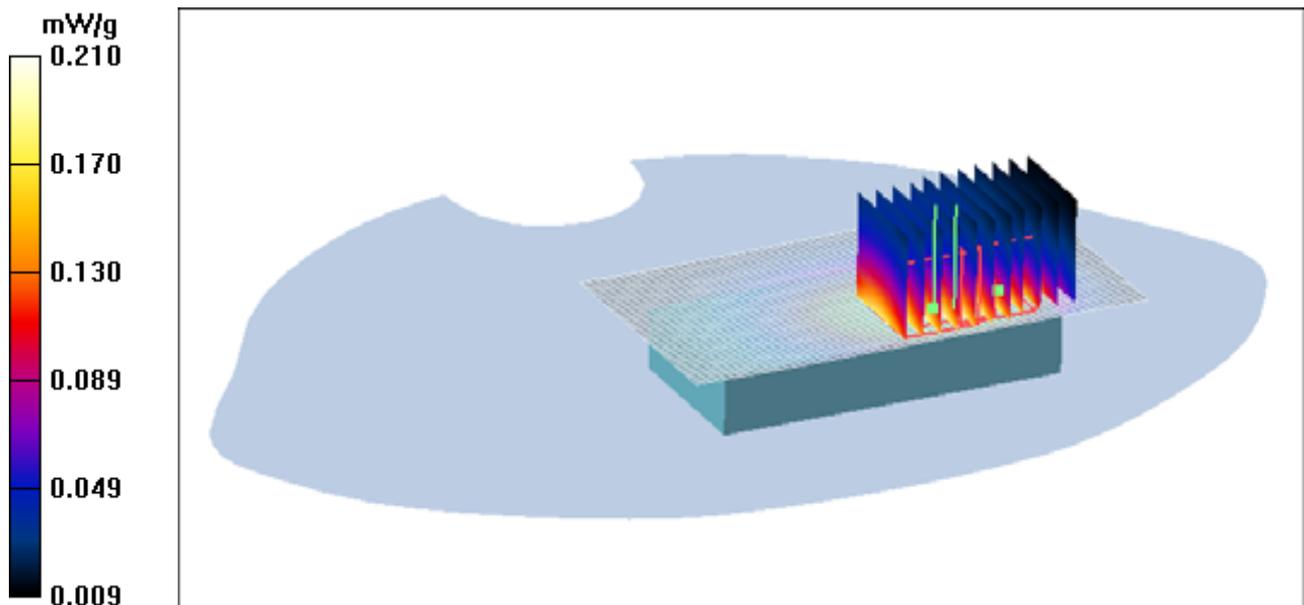
Maximum value of SAR (measured) = 0.210 mW/g

Figure 95 Body, Towards Ground, Close GSM 850 Channel 128
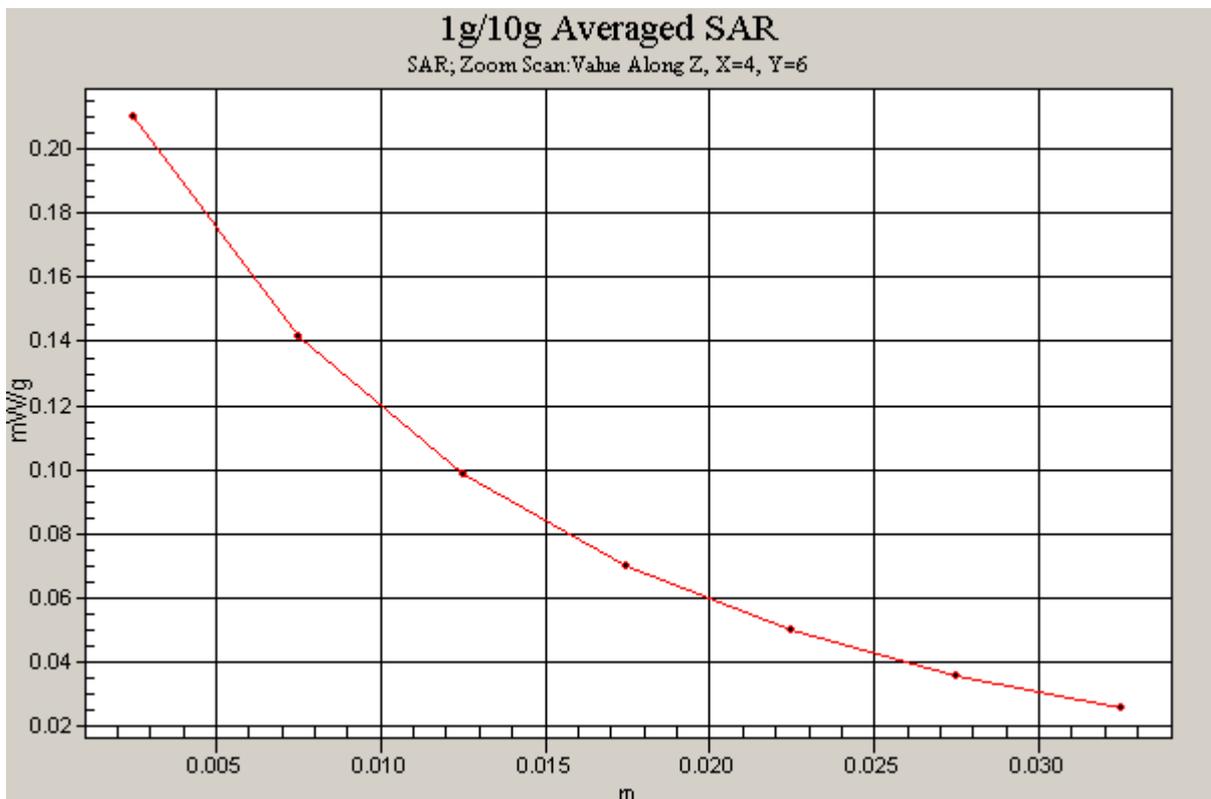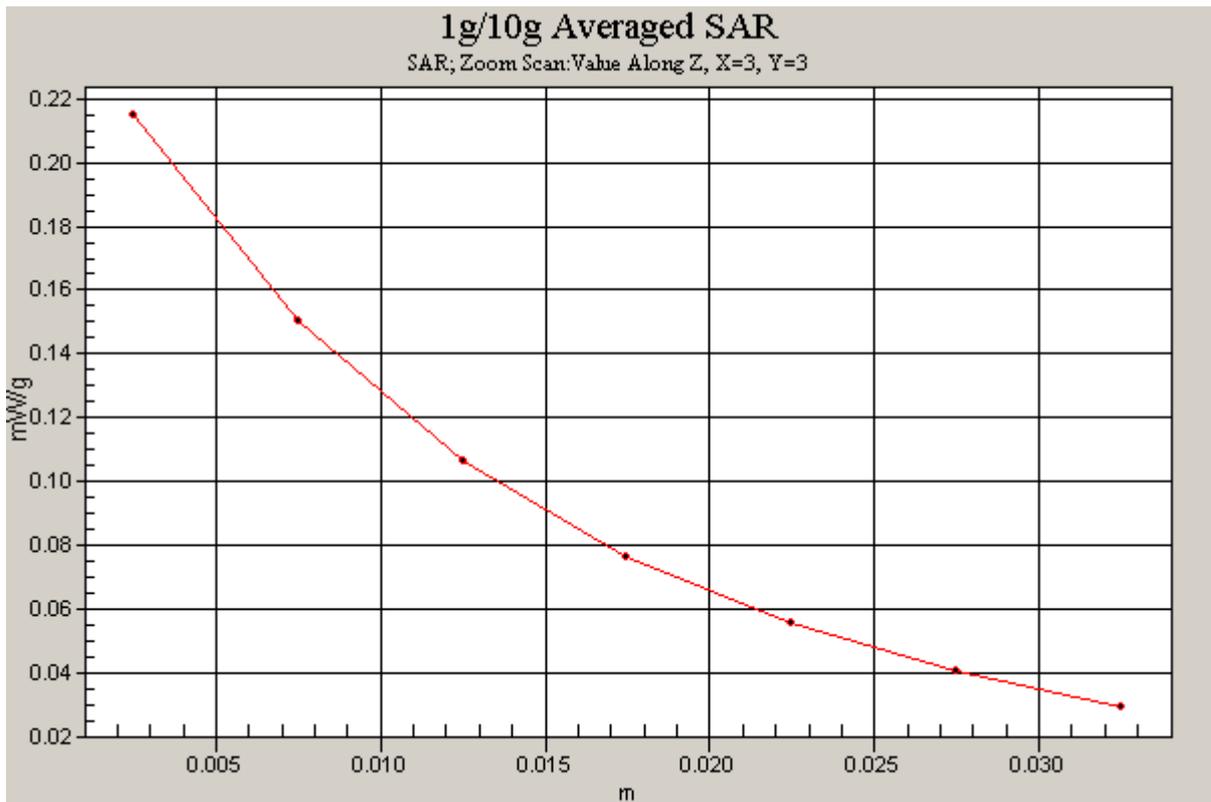
Figure 96 Z-Scan at power reference point (Body, Towards Ground, Close GSM 850 Channel 128)

Date/Time: 3/22/2009 1:26:22 AM

GSM 850 Towards Phantom High Close

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 849 MHz; σ = 0.976 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

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

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

Reference Value = 3.79 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 0.077 W/kg

SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.043 mW/g

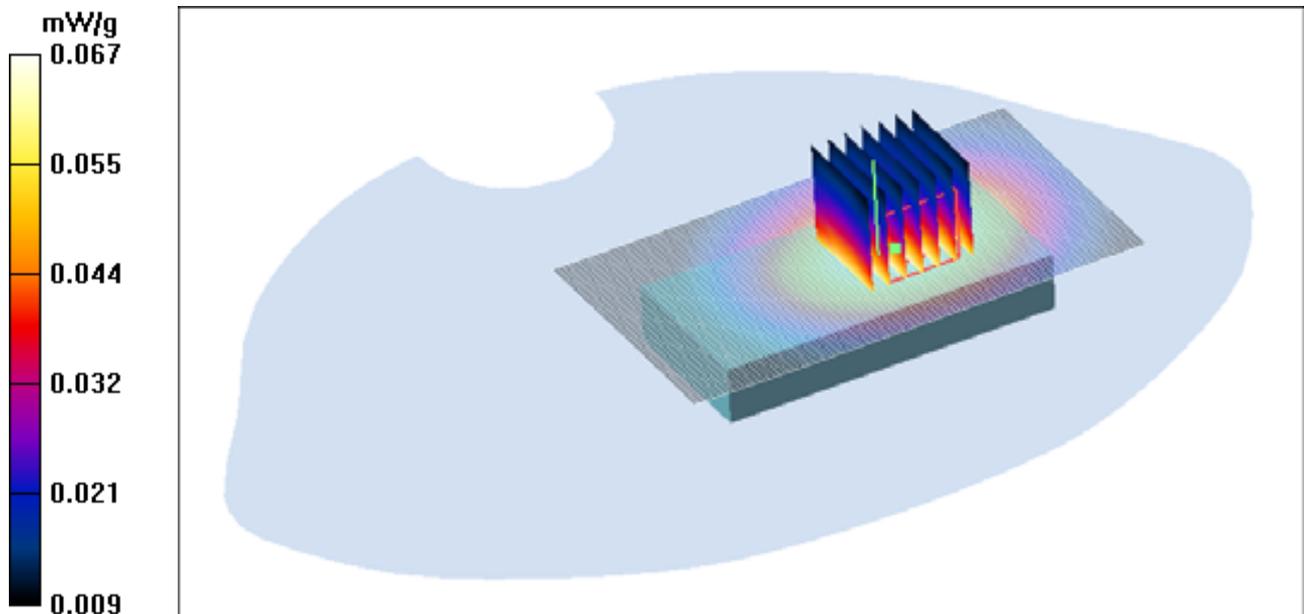Maximum value of SAR (measured) = 0.067 mW/g

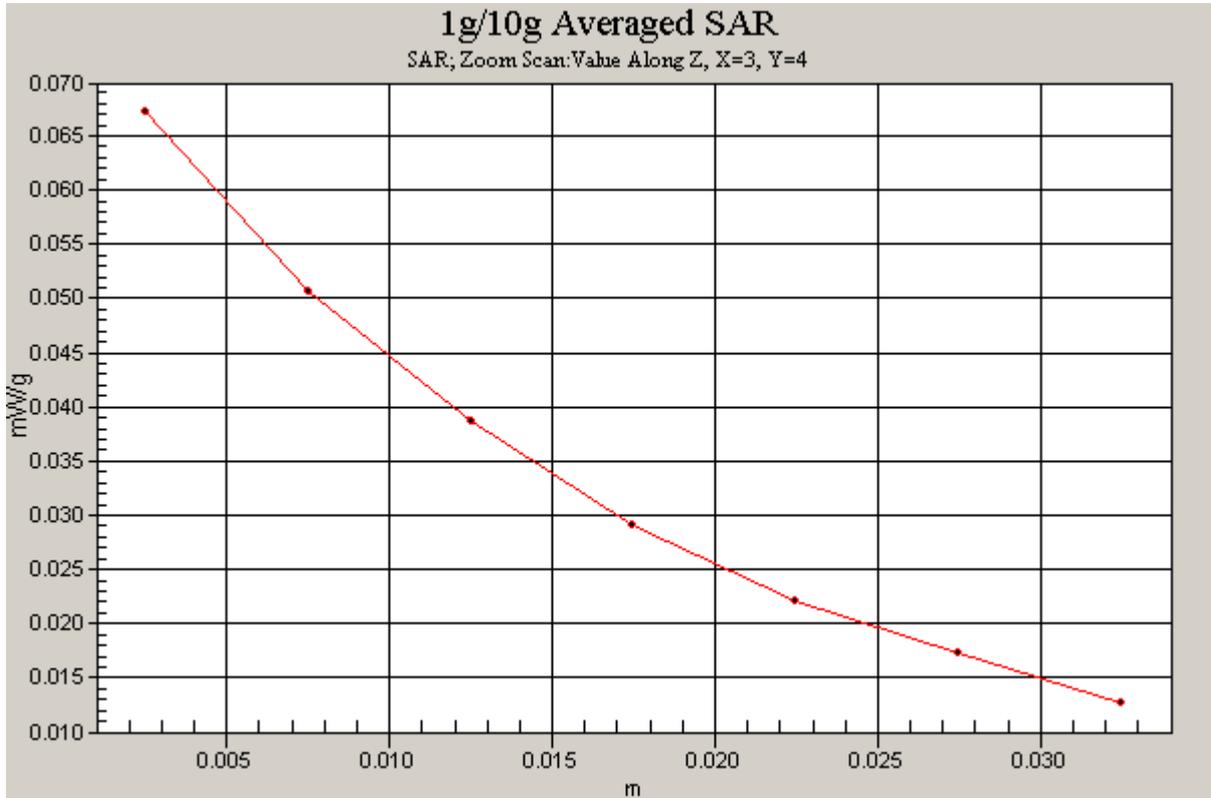Figure 97 Body, Towards Phantom, Close GSM 850 Channel 251

Figure 98 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 850 Channel 251)

Date/Time: 3/22/2009 1:07:13 AM

GSM 850 Towards Phantom Middle Close

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 837 MHz; σ = 0.961 mho/m; ε_r = 54.9; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

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

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

Reference Value = 3.60 V/m; Power Drift = 0.171 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.040 mW/g

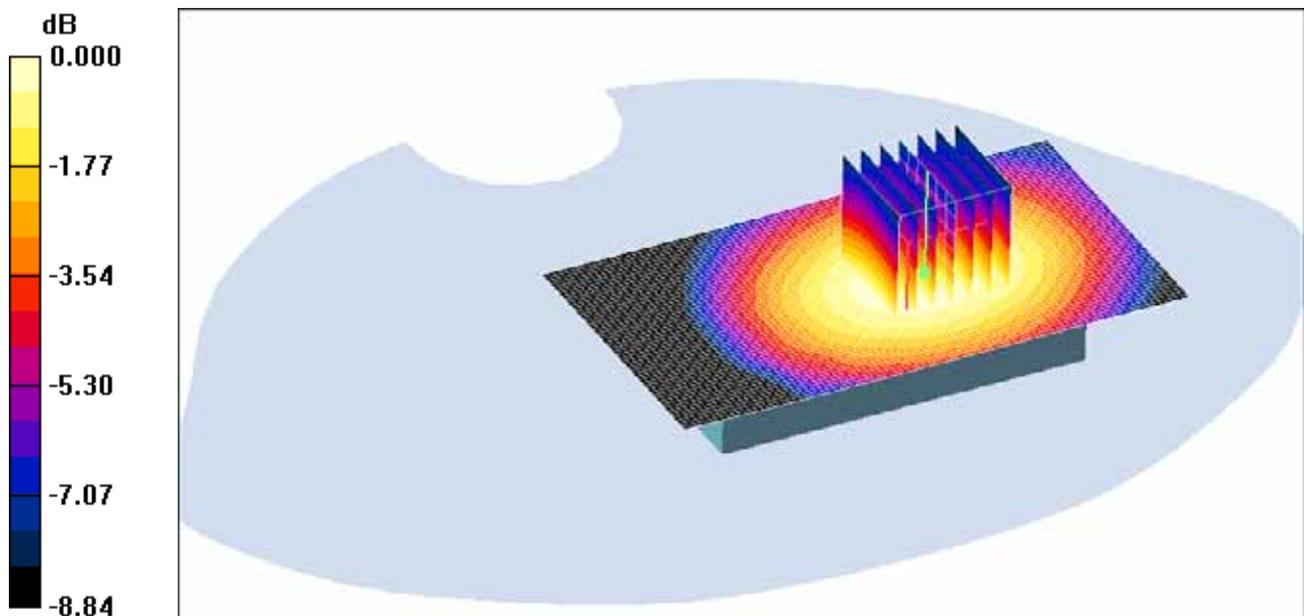Maximum value of SAR (measured) = 0.062 mW/g

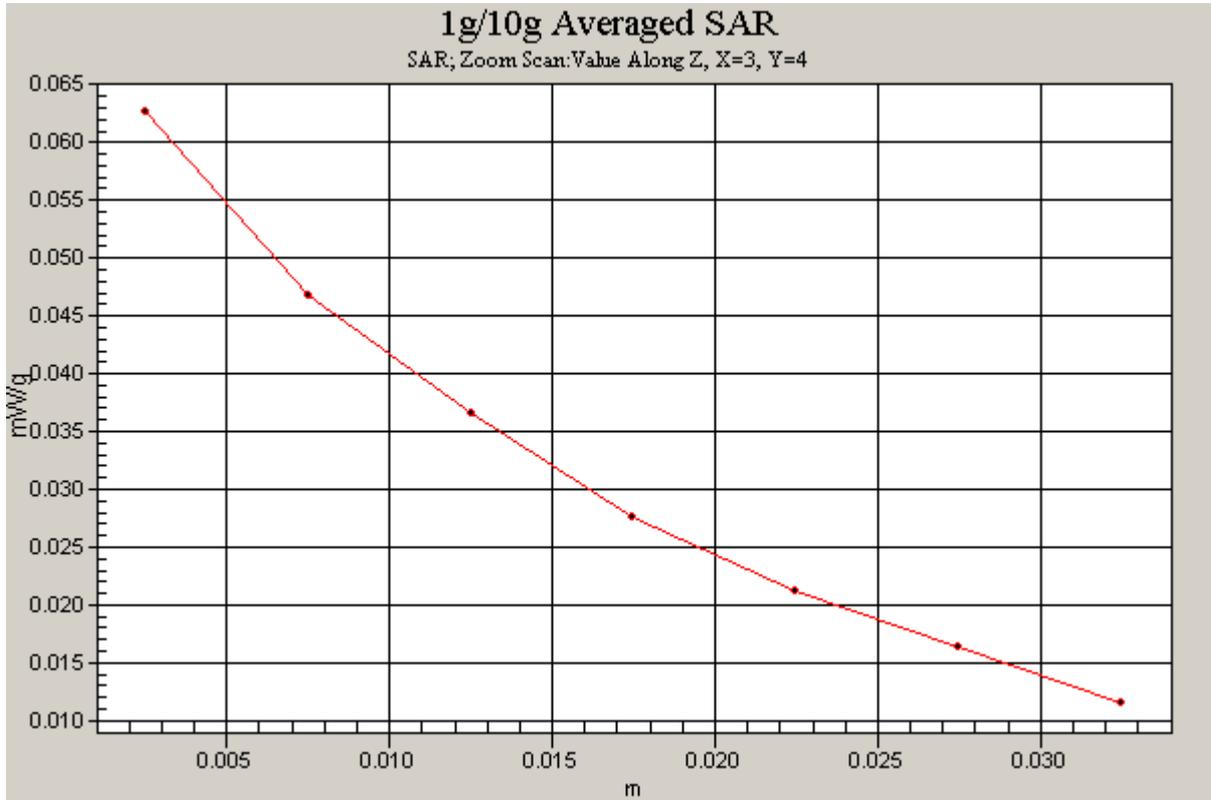Figure 99 Body, Towards Phantom, Close GSM 850 Channel 190

Figure 100 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 850 Channel 190)

Date/Time: 3/22/2009 1:44:36 AM

GSM 850 Towards Phantom Low Close

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.949 mho/m; ε_r = 55.1; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.064 mW/g

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

Reference Value = 3.71 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.072 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.041 mW/g
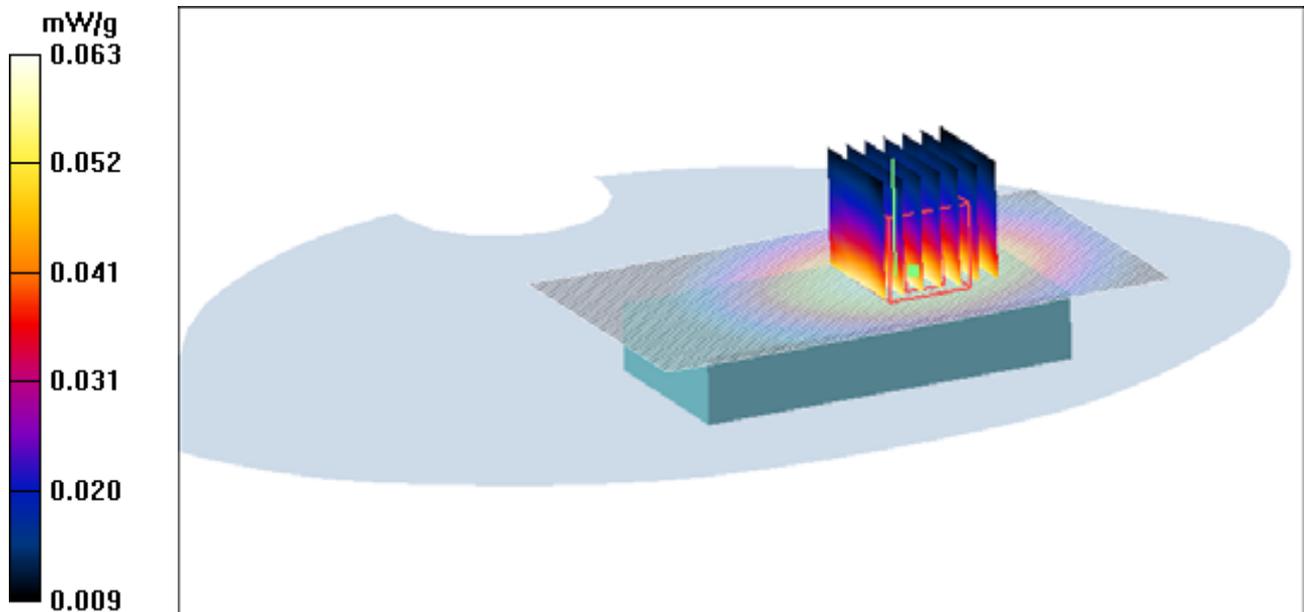
Maximum value of SAR (measured) = 0.063 mW/g

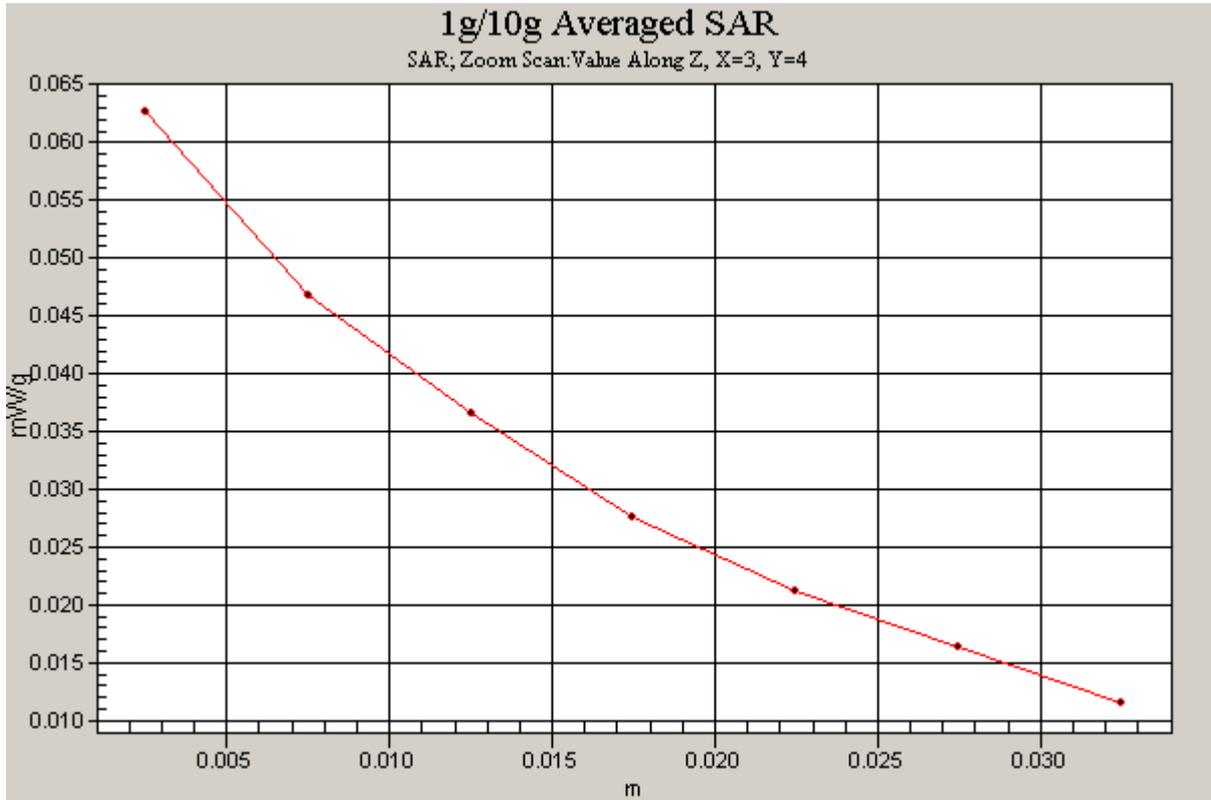Figure 101 Body, Towards Phantom, Close GSM 850 Channel 128

Figure 102 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 850 Channel 128)

Date/Time: 3/22/2009 10:50:11 AM

GSM 850 Earphone Towards Ground Low Close

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.949 mho/m; ε_r = 55.1; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Towards Ground Low/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.173 mW/g

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

Reference Value = 3.83 V/m; Power Drift = 0.134 dB

Peak SAR (extrapolated) = 0.217 W/kg

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.084 mW/g

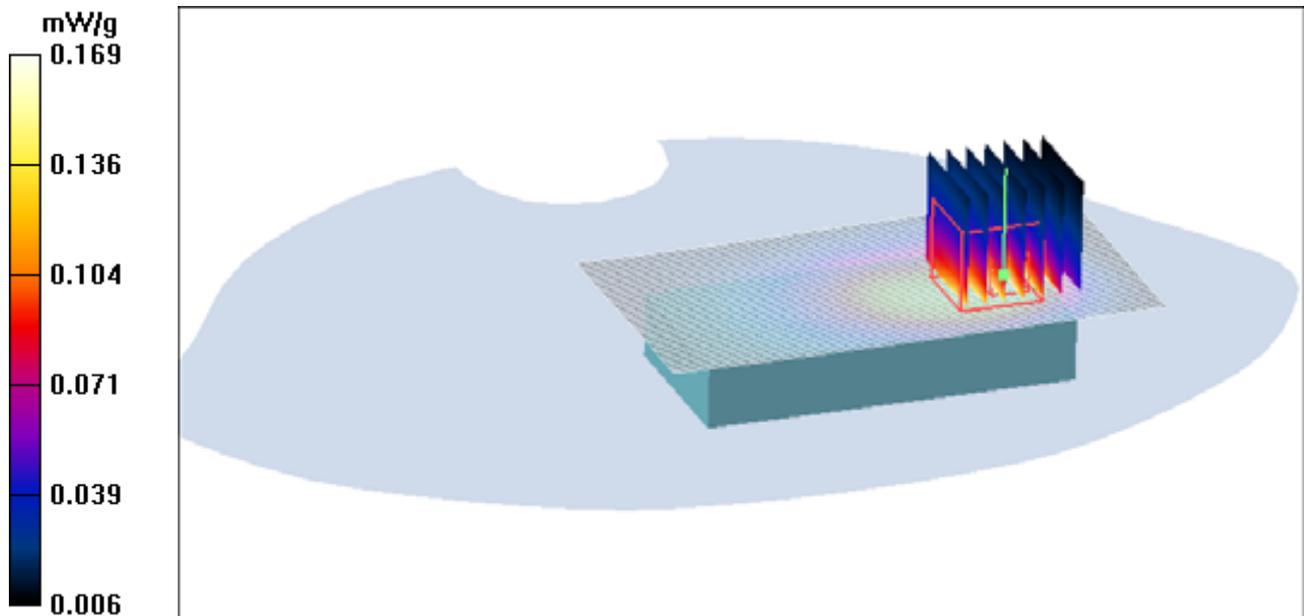Maximum value of SAR (measured) = 0.169 mW/g

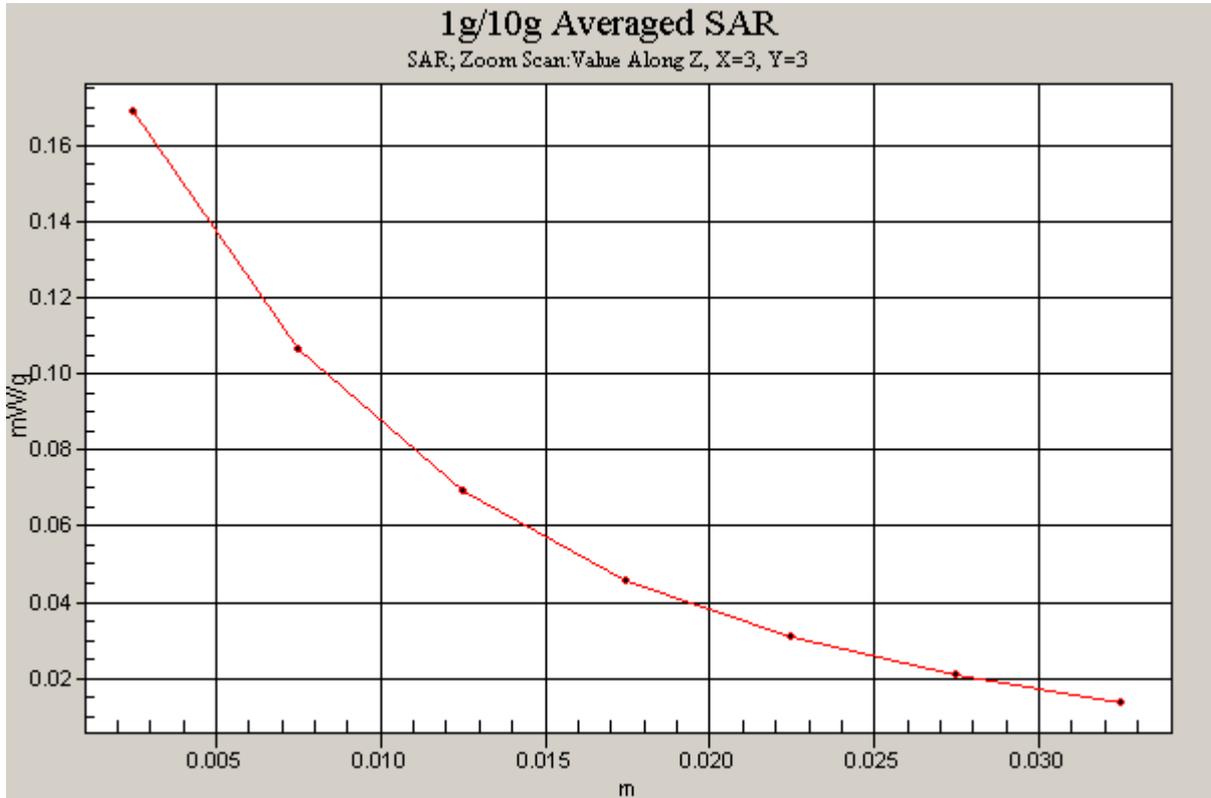Figure 103 Body with earphone, Towards Ground, Close GSM 850, Channel 128

Figure 104 Z-Scan at power reference point (Body with earphone, Towards Phantom, Close GSM 850 Channel 251)

Date/Time: 3/22/2009 12:53:41 PM

GSM 850 GPRS Towards Ground High Close

Communication System: GSM850 + GPRS(2Up); Frequency: 848.8 MHz;Duty Cycle: 1:4

Medium parameters used: f = 849 MHz; σ = 0.976 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Towards Ground High/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.310 mW/g

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

Reference Value = 7.82 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.376 W/kg

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.178 mW/g

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

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

Reference Value = 7.82 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.152 mW/g

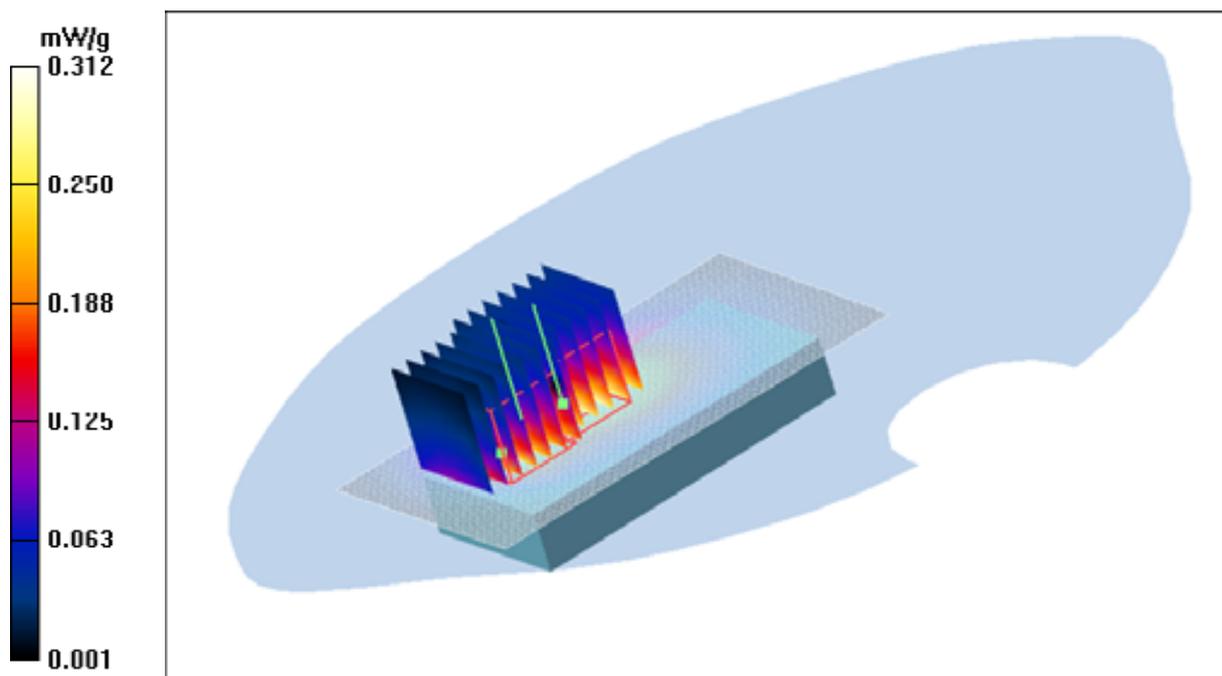Maximum value of SAR (measured) = 0.288 mW/g

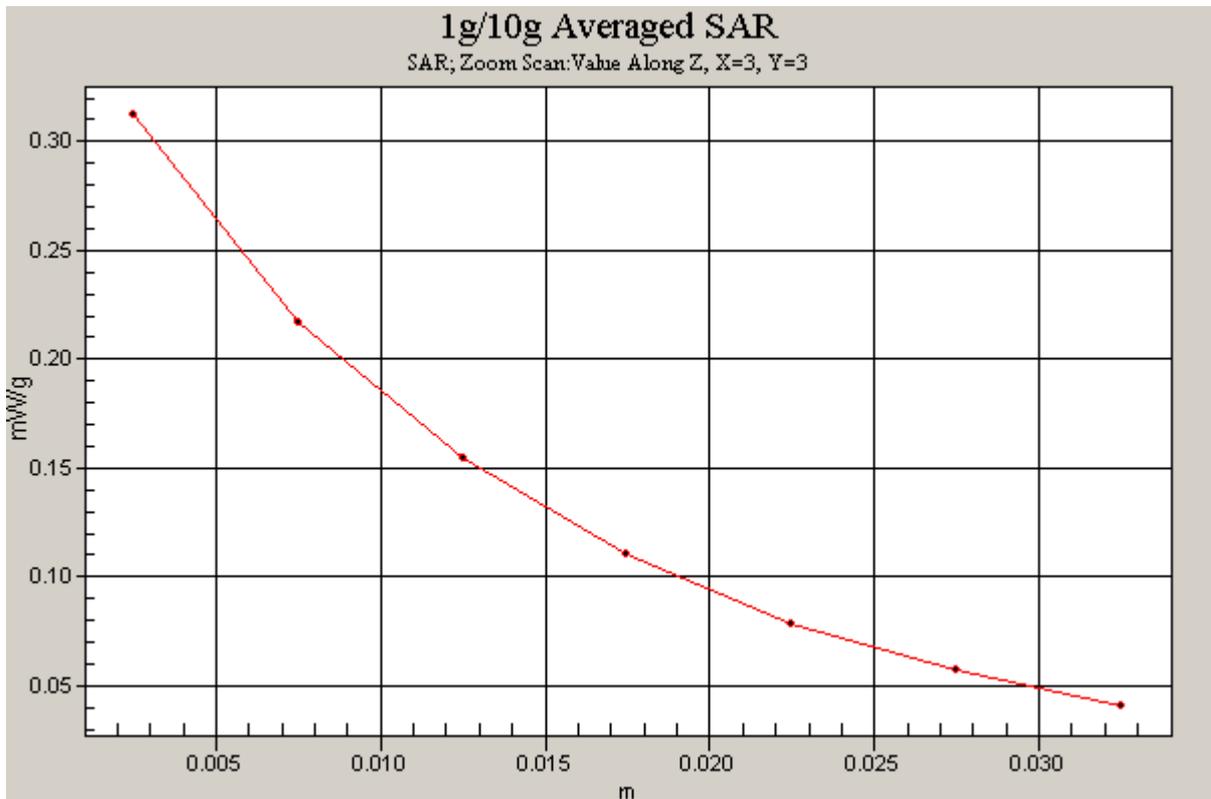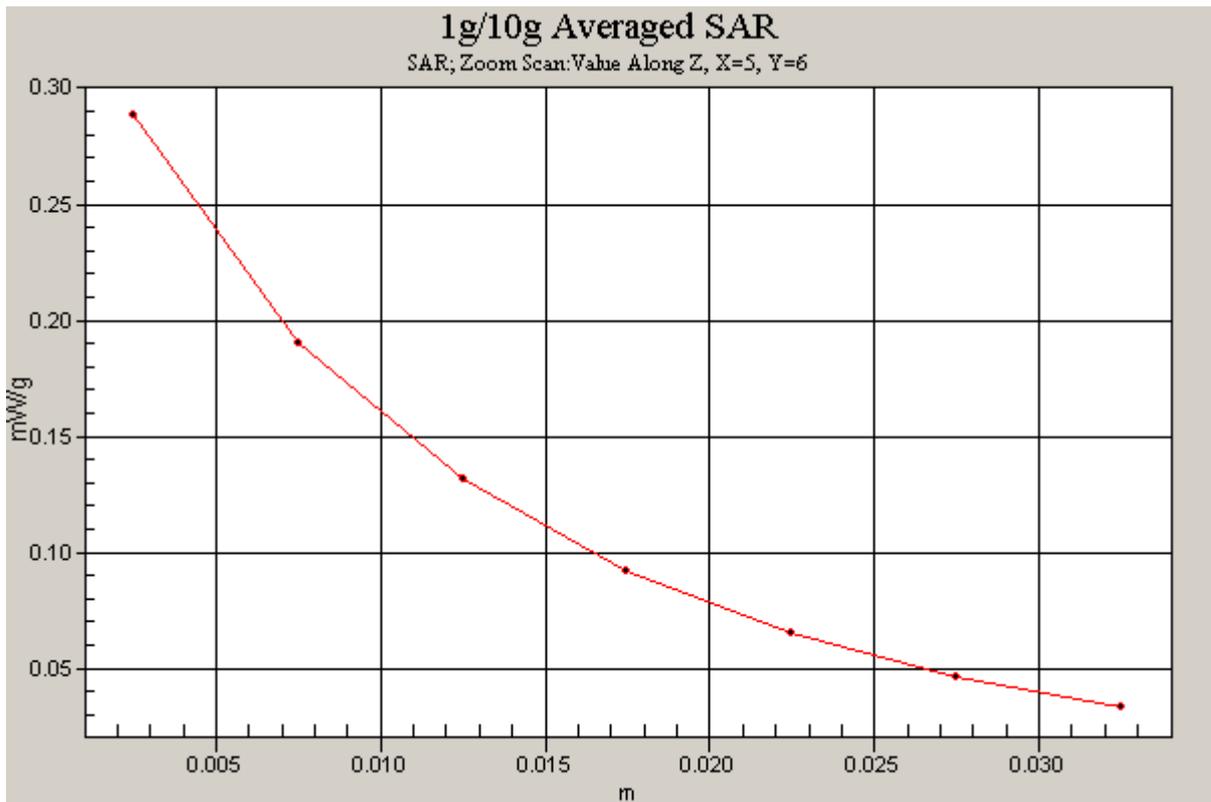Figure 105 Body, Towards Ground, Close GSM 850 GPRS, Channel 251

Figure 106 Z-Scan at power reference point (Body, Towards Ground, Close GSM 850 GPRS, Channel 251)

Date/Time: 3/22/2009 2:31:29 PM

GSM 850 GPRS Towards Ground Middle Close

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

Medium parameters used: f = 837 MHz; σ = 0.961 mho/m; ε_r = 54.9; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Towards Ground Middle/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 7.65 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.169 mW/g

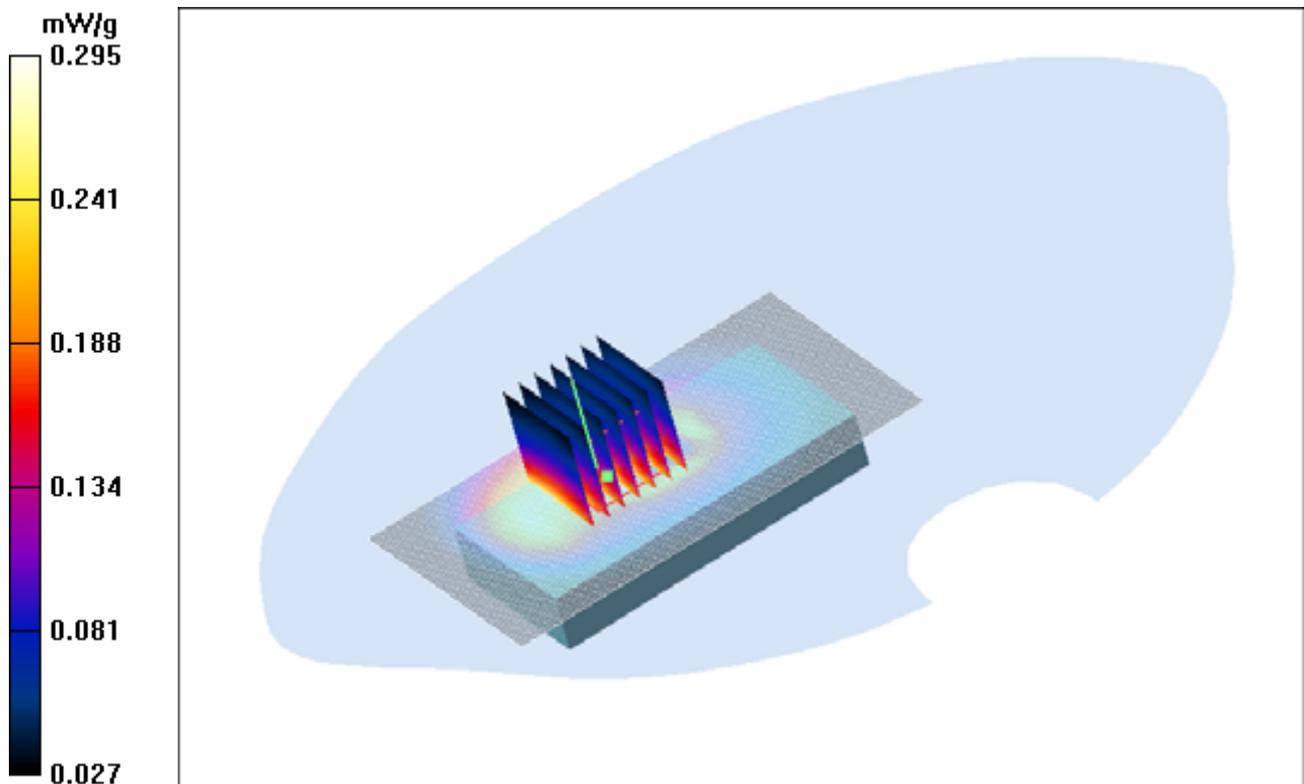Maximum value of SAR (measured) = 0.295 mW/g

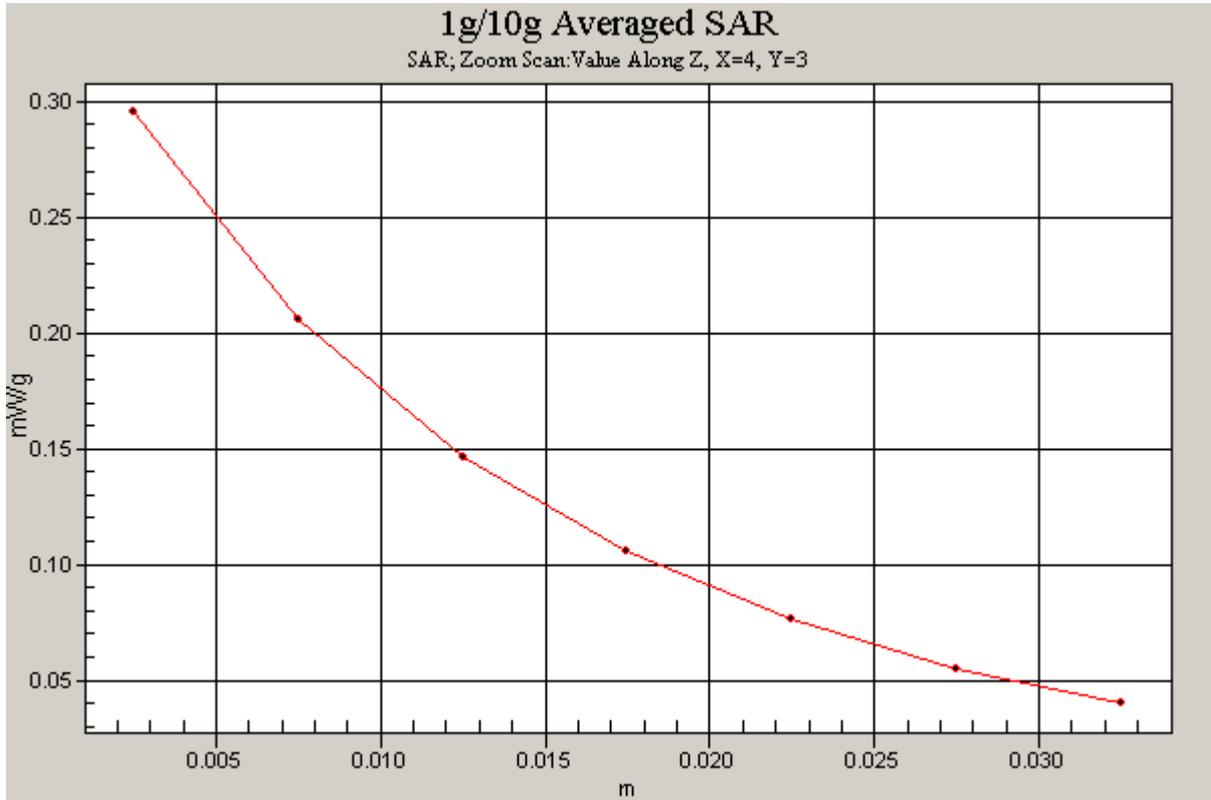Figure 107 Body, Towards Ground, Close GSM 850 GPRS Channel 190

Figure 108 Z-Scan at power reference point (Body, Towards Ground, Close GSM 850 GPRS Channel 190)

Date/Time: 3/22/2009 2:49:14 PM

GSM 850 GPRS Towards Ground Low Close

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

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.949 mho/m; $ε_r$ = 55.1; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Towards Ground Low/Area Scan (71x131x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.340 mW/g

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

Reference Value = 7.70 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.424 W/kg

SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.194 mW/g

Maximum value of SAR (measured) = 0.338 mW/g

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

Reference Value = 7.70 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.175 mW/g

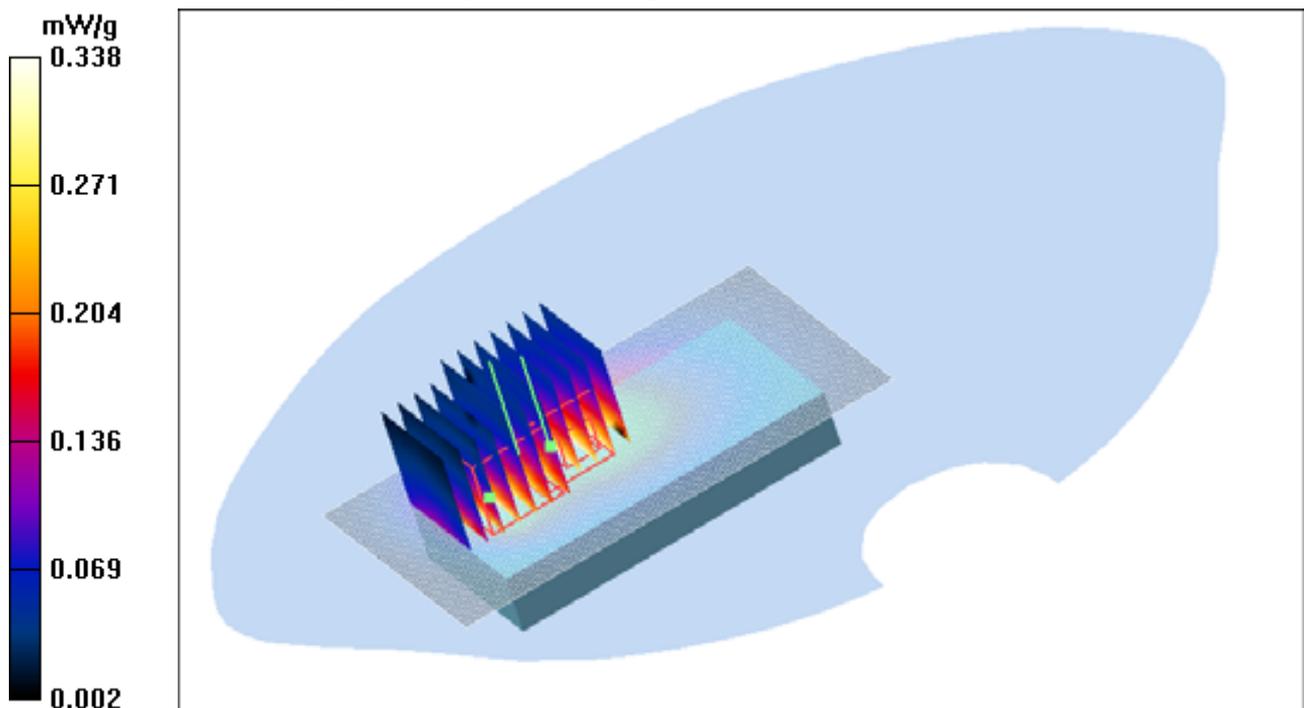Maximum value of SAR (measured) = 0.324 mW/g

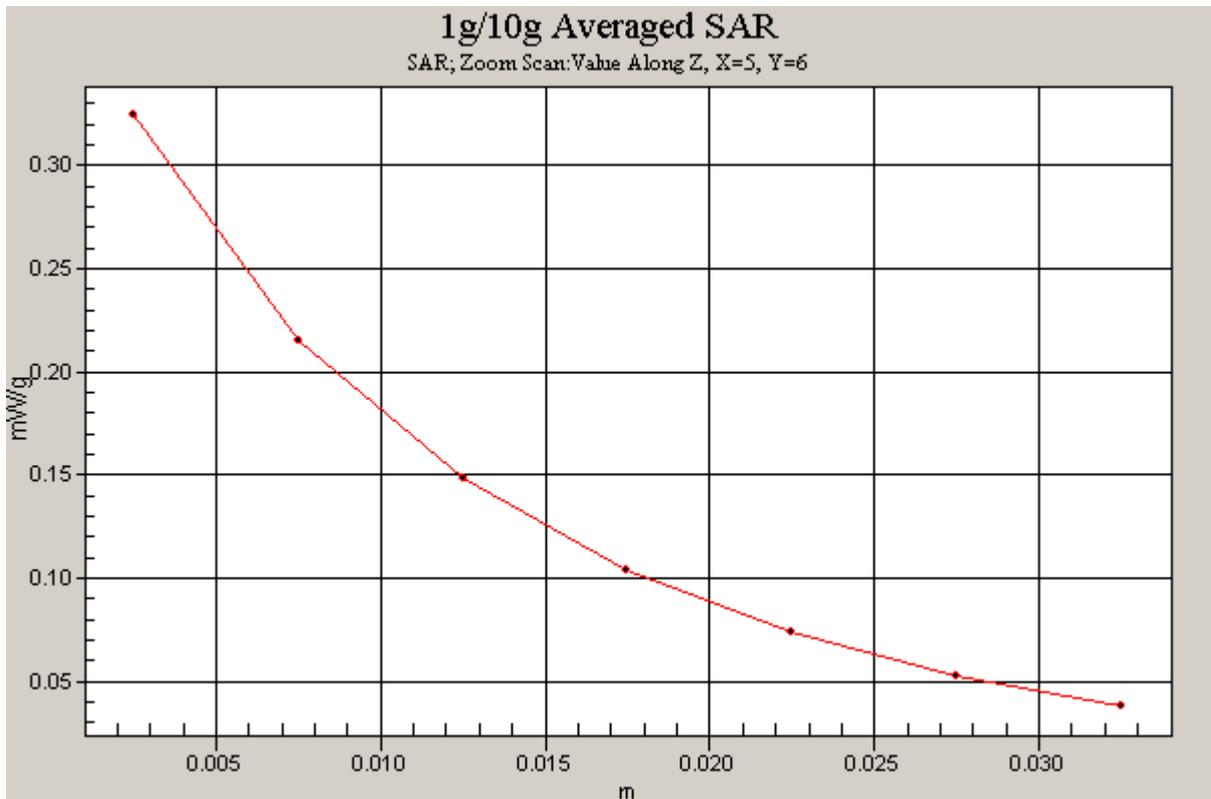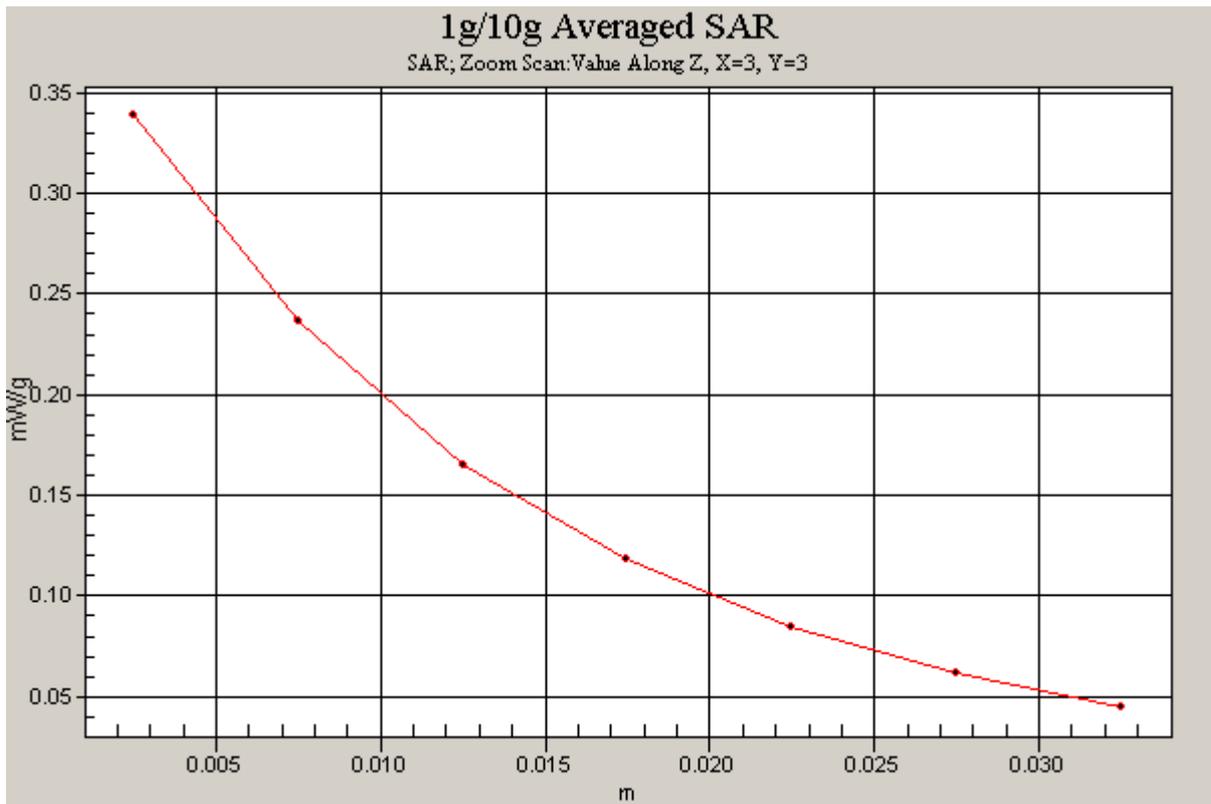Figure 109 Body, Towards Ground, Close GSM 850 GPRS Channel 128

Figure 110 Z-Scan at power reference point (Body, Towards Ground, Close GSM 850 GPRS Channel 128)

Date/Time: 3/22/2009 3:45:59 PM

GSM 850 GPRS Towards Phantom High Close

Communication System: GSM850 + GPRS(2Up); Frequency: 848.8 MHz;Duty Cycle: 1:4

Medium parameters used: f = 849 MHz; σ = 0.976 mho/m; $ε_r$ = 54.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

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

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

Reference Value = 4.17 V/m; Power Drift = -0.078 dB

Peak SAR (extrapolated) = 0.122 W/kg

SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.065 mW/g

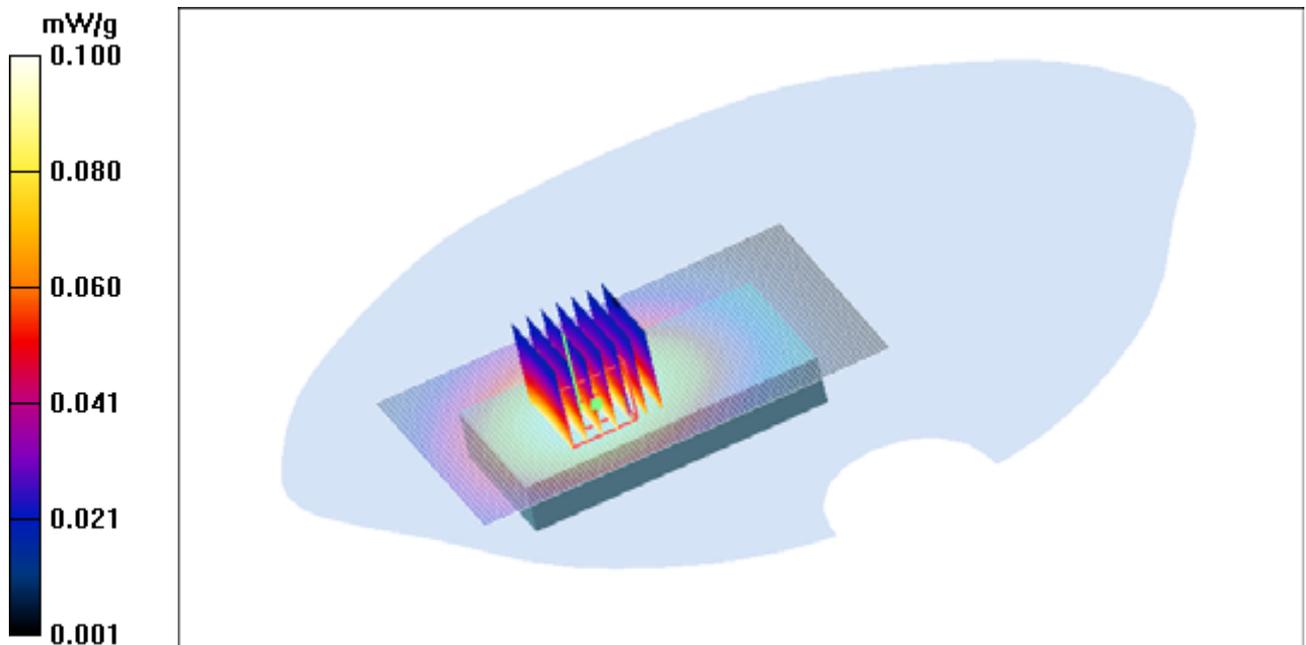Maximum value of SAR (measured) = 0.100 mW/g

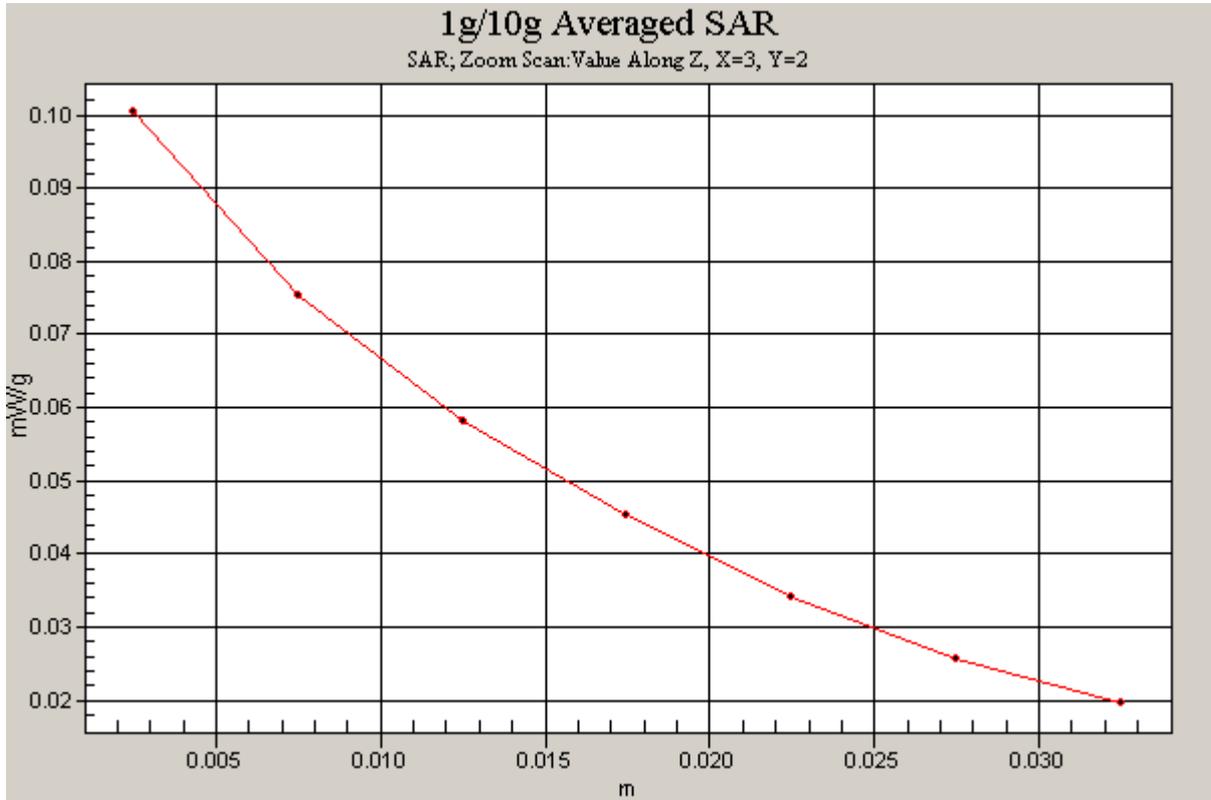Figure 111 Body, Towards Phantom, Close GSM 850 GPRS, Channel 251

Figure 112 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 850 GPRS, Channel 251)

Date/Time: 3/22/2009 4:25:59 PM

GSM 850 GPRS Towards Phantom Middle Close

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

Medium parameters used: f = 837 MHz; σ = 0.961 mho/m; ε_r = 54.9; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.098 mW/g

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

Reference Value = 4.21 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 0.122 W/kg

SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.062 mW/g

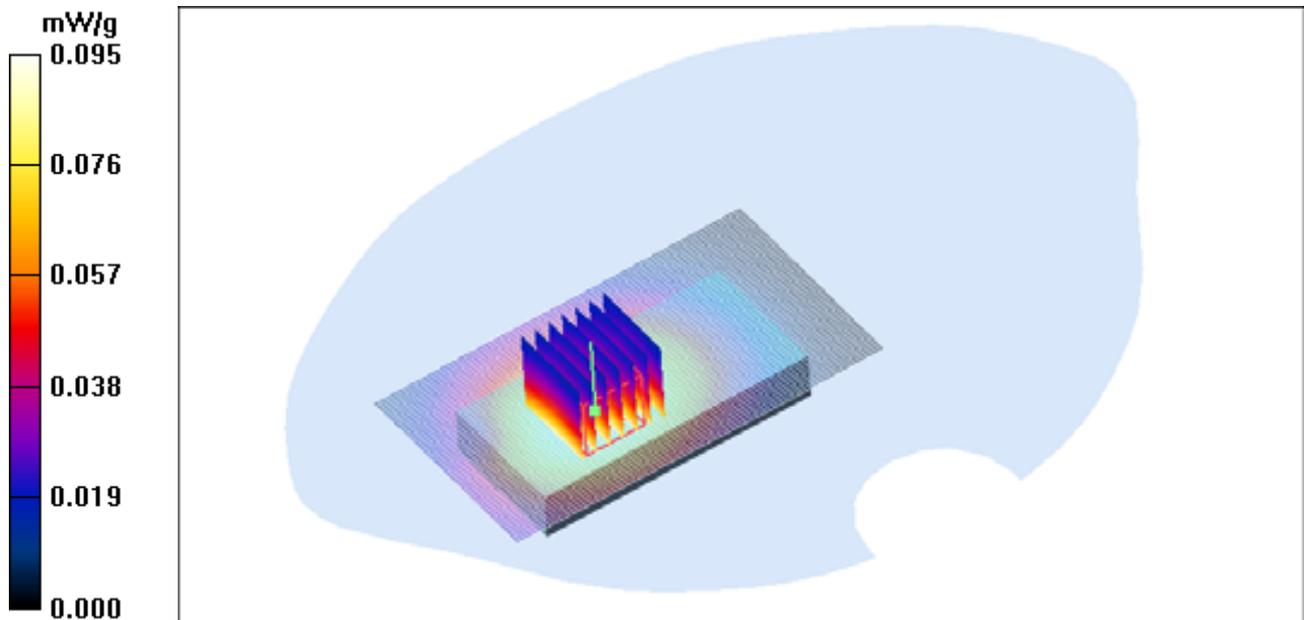Maximum value of SAR (measured) = 0.095 mW/g

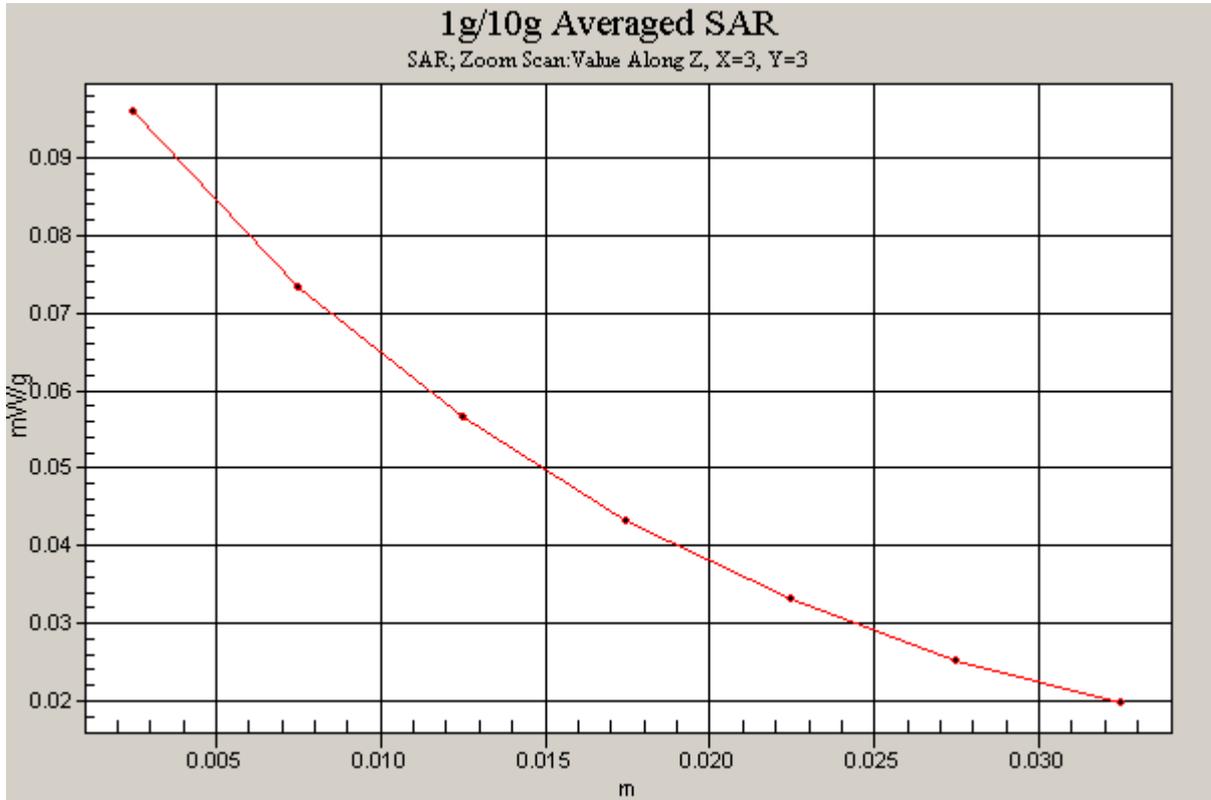Figure 113 Body, Towards Phantom, Close GSM 850 GPRS Channel 190

Figure 114 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 850 GPRS Channel 190)

Date/Time: 3/22/2009 1:28:21 PM

GSM 850 GPRS Towards Phantom Low Close

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

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.949 mho/m; ε_r = 55.1; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.096 mW/g

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

Reference Value = 4.21 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.061 mW/g

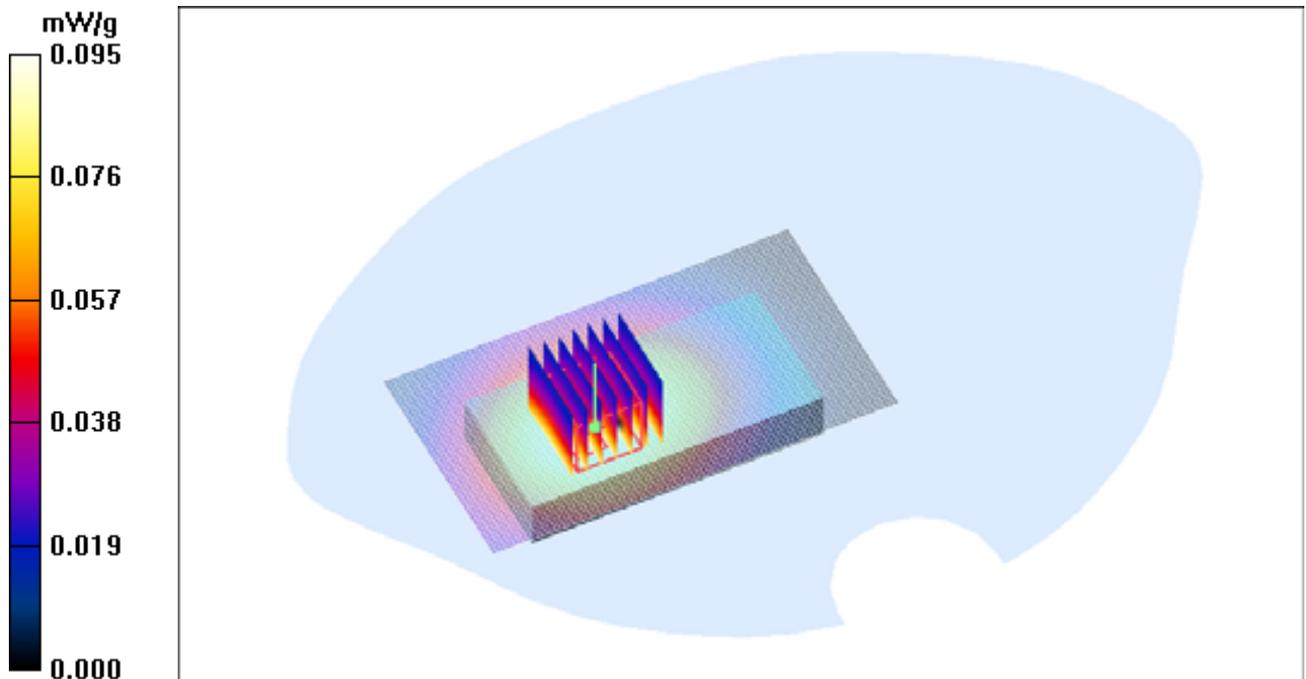Maximum value of SAR (measured) = 0.095 mW/g

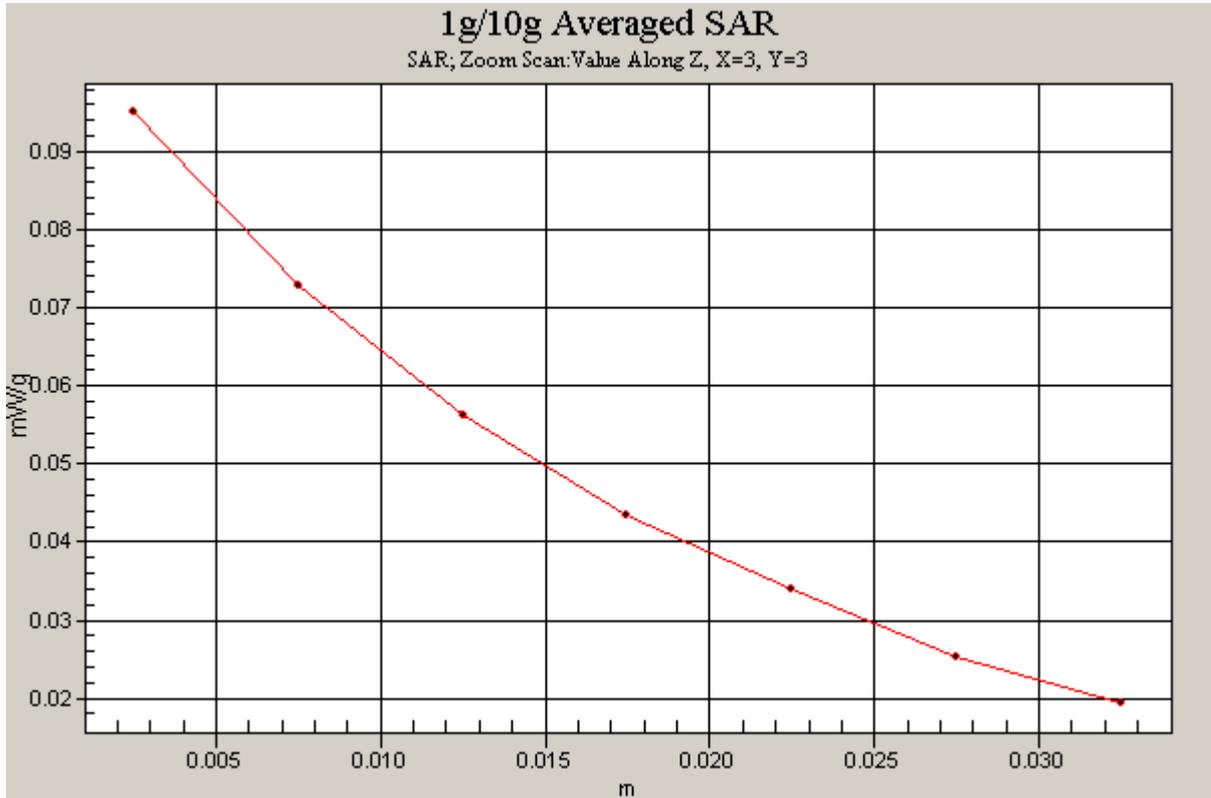Figure 115 Body, Towards Phantom, Close GSM 850 GPRS Channel 128

Figure 116 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 850 GPRS Channel 128)

Date/Time: 3/22/2009 1:50:08 PM

GSM 850 EGPRS Towards Ground Low Close

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

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.949 mho/m; ε_r = 55.1; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.106 mW/g

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

Reference Value = 4.33 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.054 mW/g

Maximum value of SAR (measured) = 0.099 mW/g

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

Reference Value = 4.33 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.059 mW/g

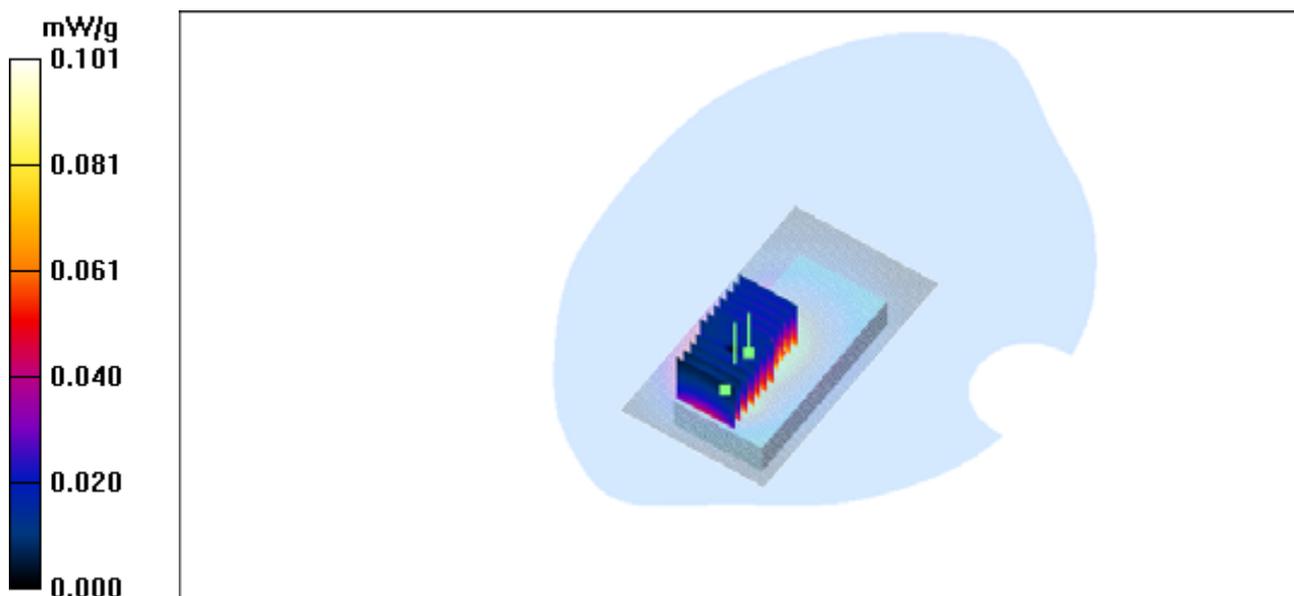Maximum value of SAR (measured) = 0.101 mW/g

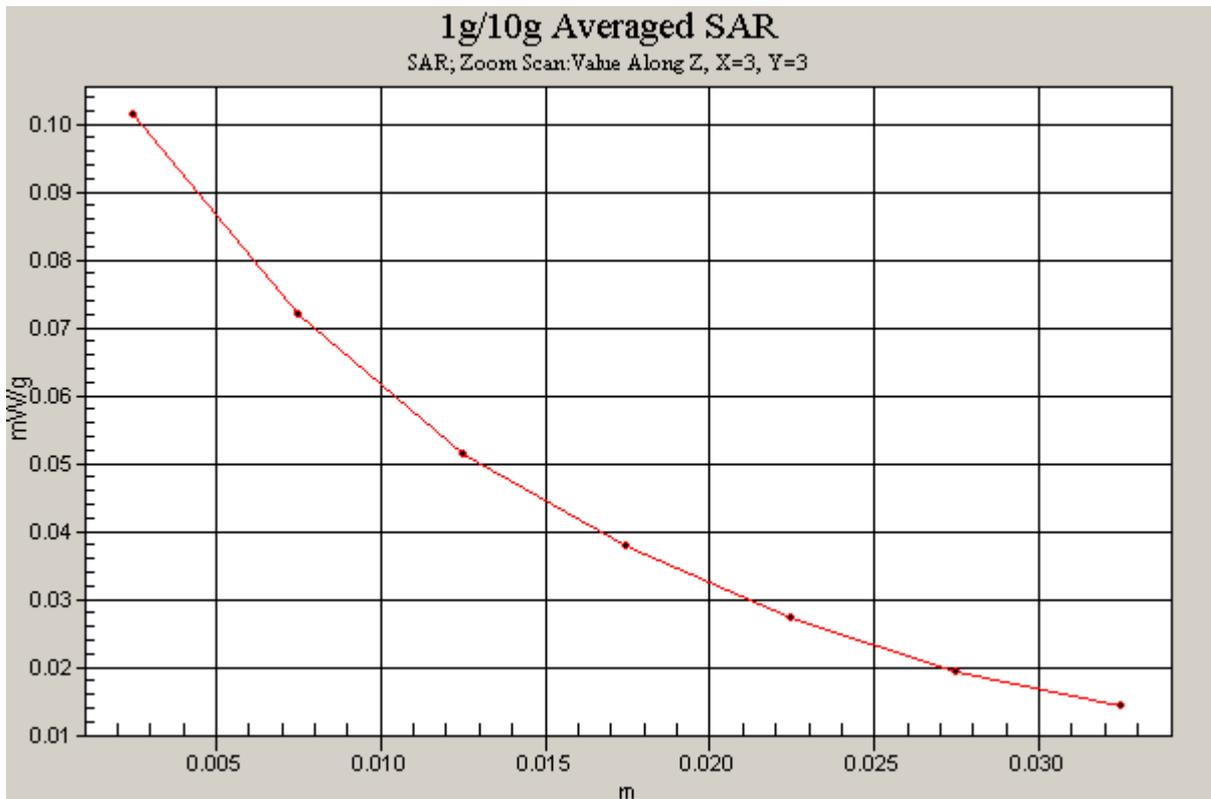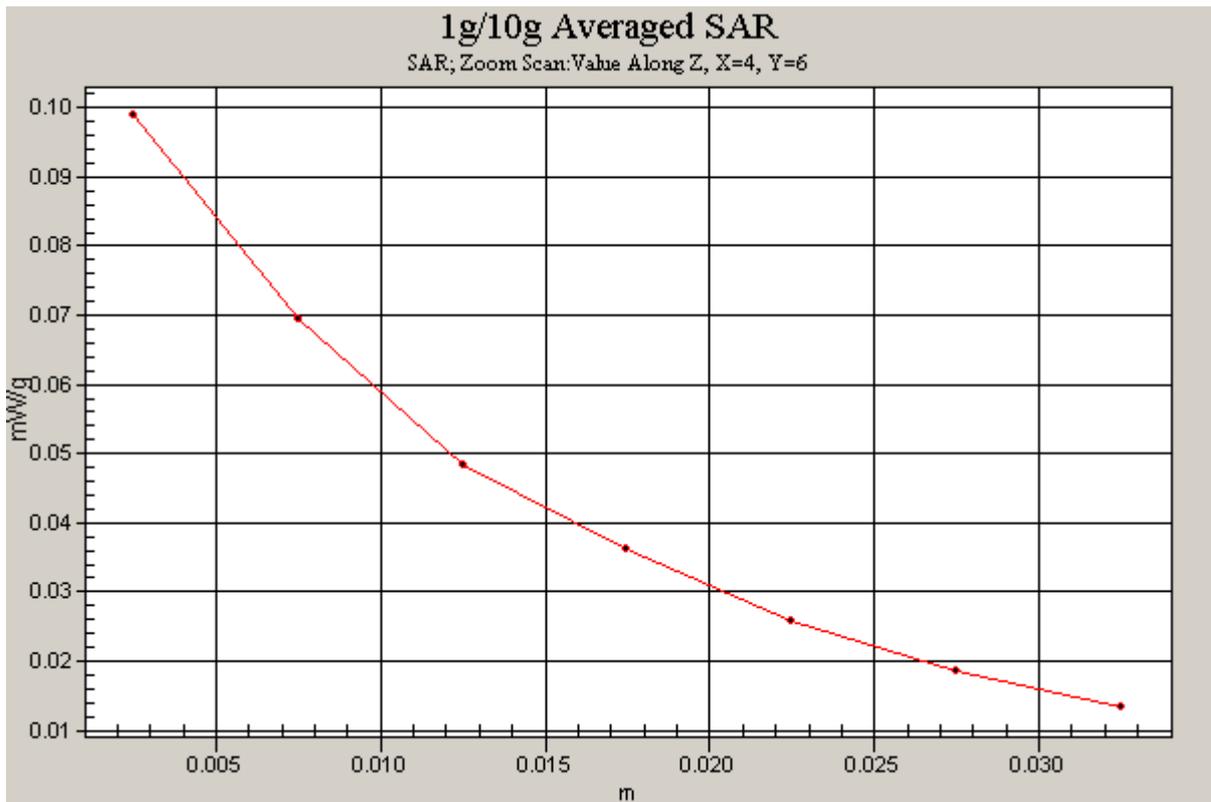Figure 117 Body, Towards Ground, Close GSM 850 EGPRS Channel 128

Figure 118 Z-Scan at power reference point (Body, Towards Ground, Close GSM 850 EGPRS Channel 128)

Date/Time: 3/22/2009 7:03:35 PM

GSM 1900 Left Cheek High Open

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 = 39.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Cheek High/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.209 mW/g

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

Reference Value = 4.53 V/m; Power Drift = 0.119 dB

Peak SAR (extrapolated) = 0.265 W/kg

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.103 mW/g

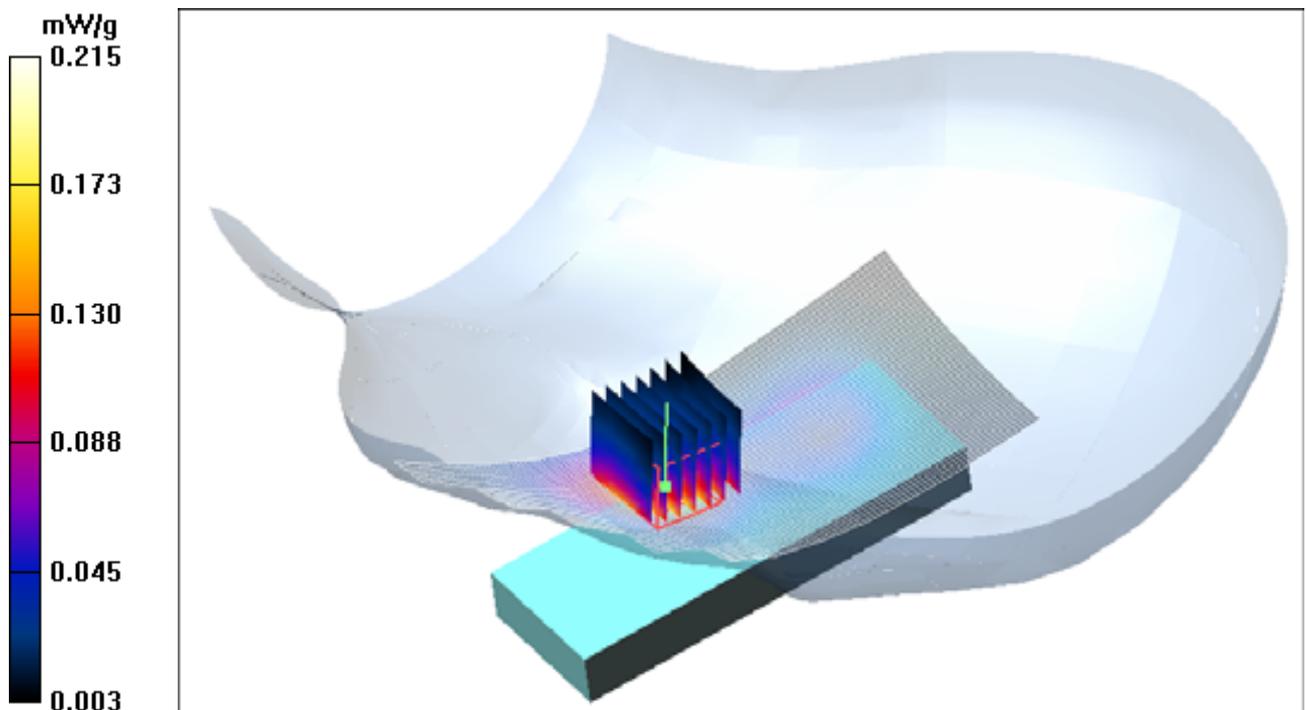Maximum value of SAR (measured) = 0.215 mW/g

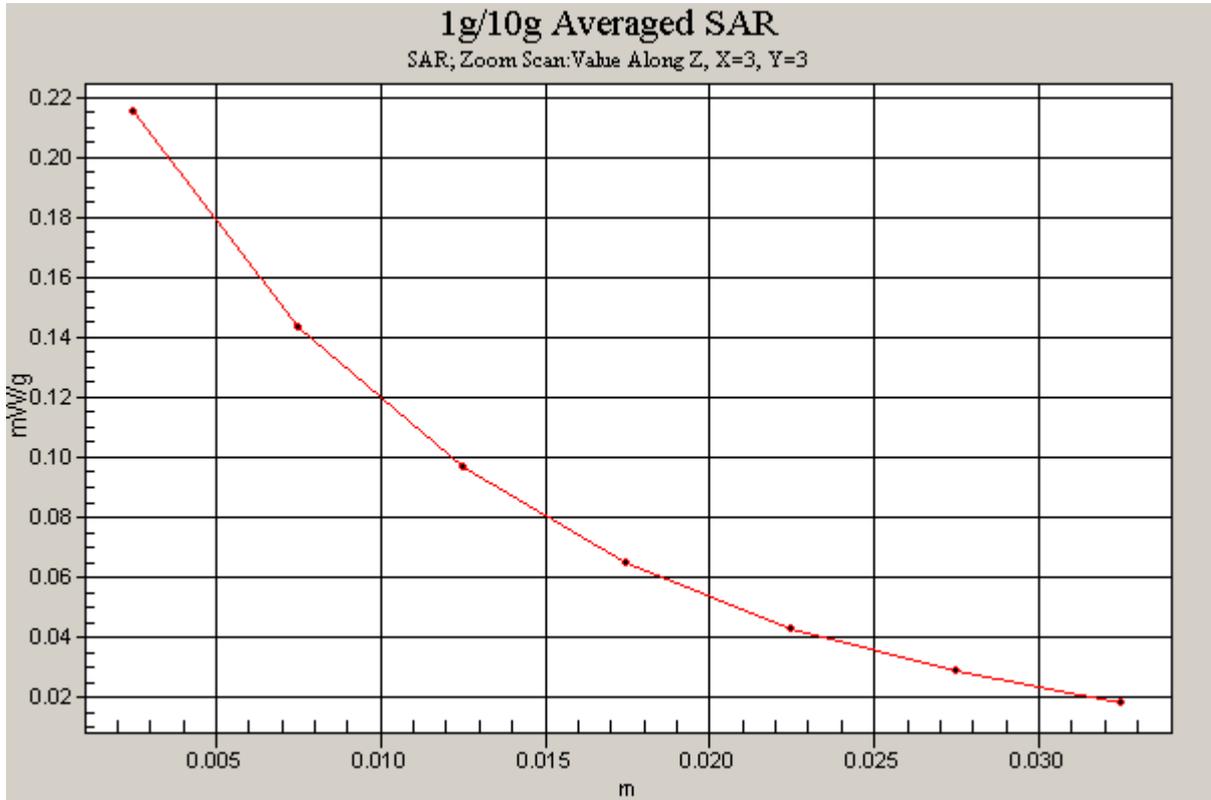Figure 119 Left Hand Touch Cheek Open GSM 1900 Channel 810

Figure 120 Z-Scan at power reference point (Left Hand Touch Cheek Open GSM 1900 Channel 810)

Date/Time: 3/22/2009 7:35:07 PM

GSM 1900 Left Cheek Middle Open

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 = 39.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Cheek Middle/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 5.12 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 0.383 W/kg

SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.153 mW/g

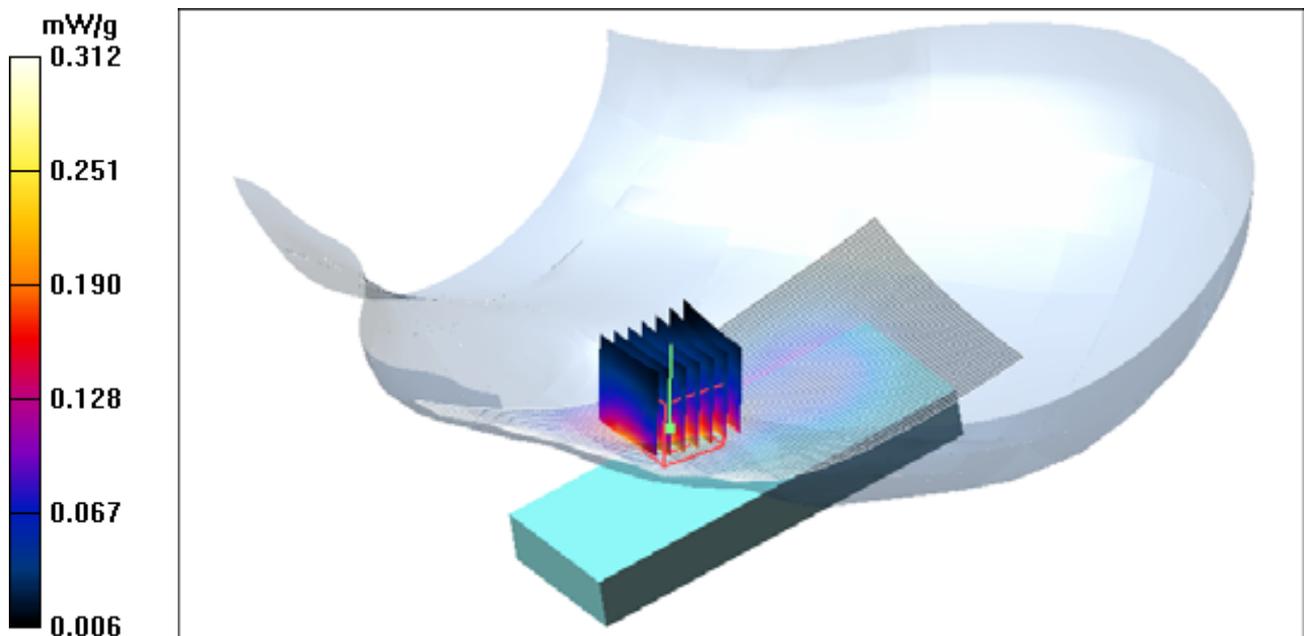Maximum value of SAR (measured) = 0.312 mW/g

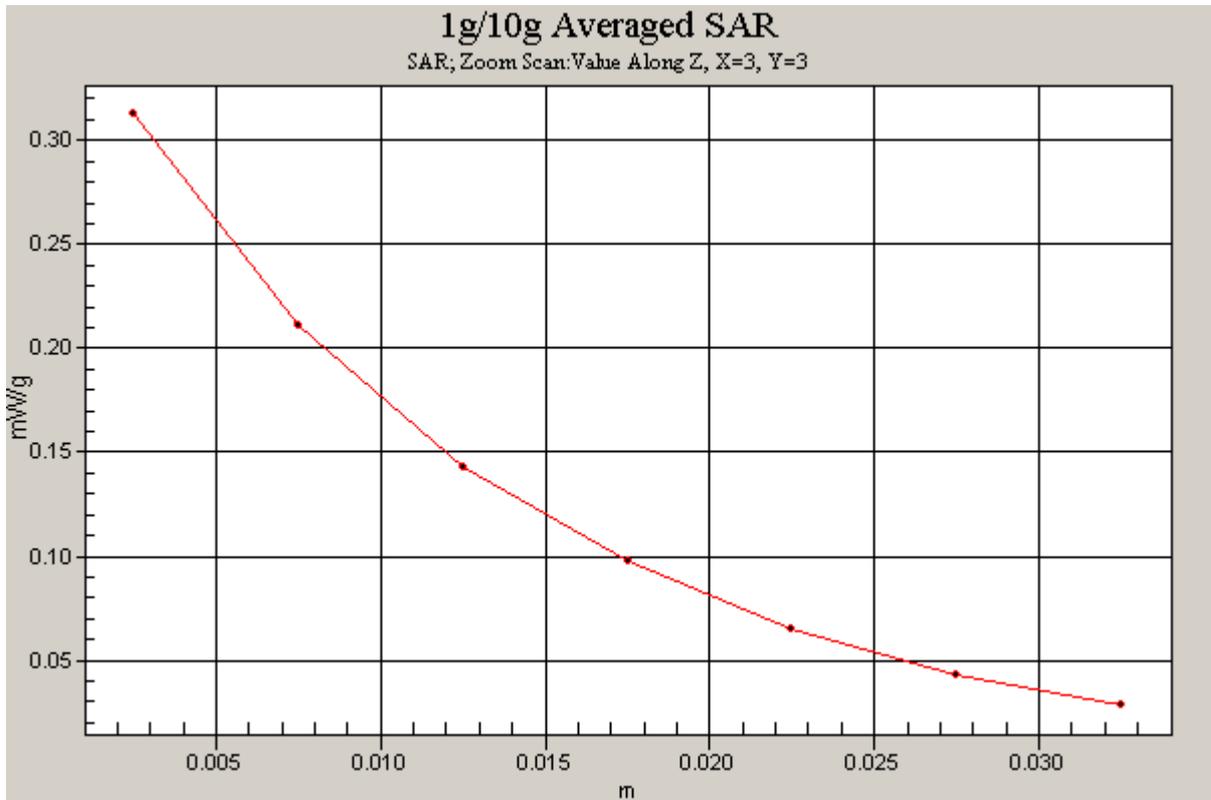Figure 121 Left Hand Touch Cheek Open GSM 1900 Channel 661

Figure 122 Z-Scan at power reference point (Left Hand Touch Cheek Open GSM 1900 Channel 661)

Date/Time: 3/22/2009 8:05:57 PM

GSM 1900 Left Cheek Low Open

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 = 40; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Cheek Low/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 4.97 V/m; Power Drift = 0.080 dB

Peak SAR (extrapolated) = 0.410 W/kg

SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.166 mW/g

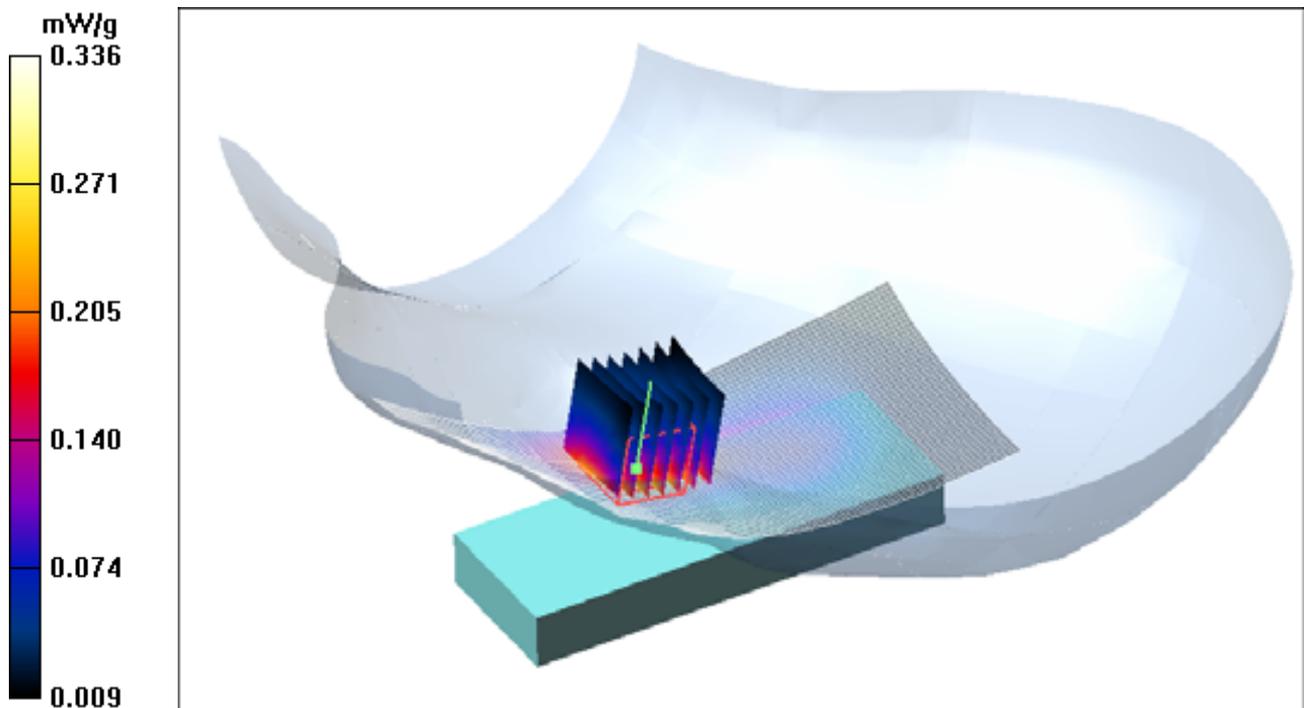Maximum value of SAR (measured) = 0.336 mW/g

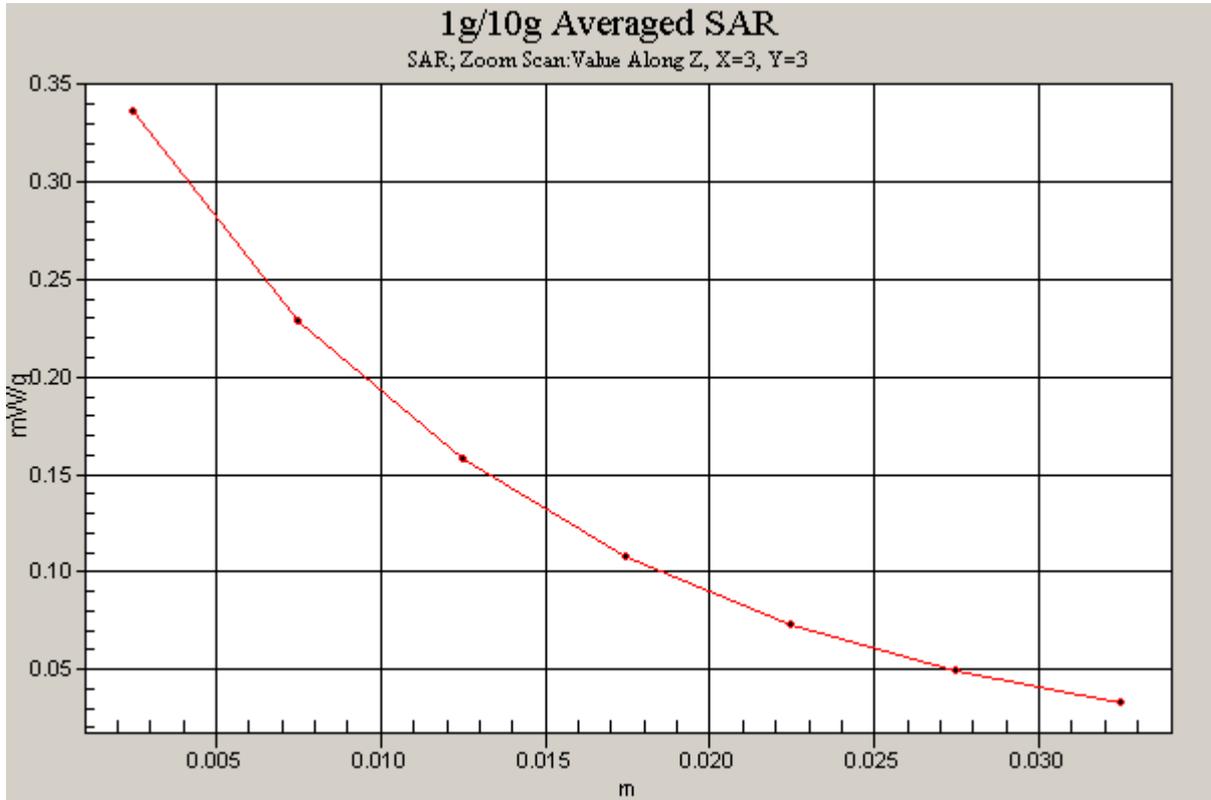Figure 123 Left Hand Touch Cheek Open GSM 1900 Channel 512

Figure 124 Z-Scan at power reference point (Left Hand Touch Cheek Open GSM 1900 Channel 512)

Date/Time: 3/22/2009 8:41:33 PM

GSM 1900 Left Tilt High Open

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

Medium parameters used: f = 1910 MHz; σ = 1.42 mho/m; $ε_r$ = 39.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt High/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.129 mW/g

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

Reference Value = 7.21 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.137 W/kg

SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.057 mW/g
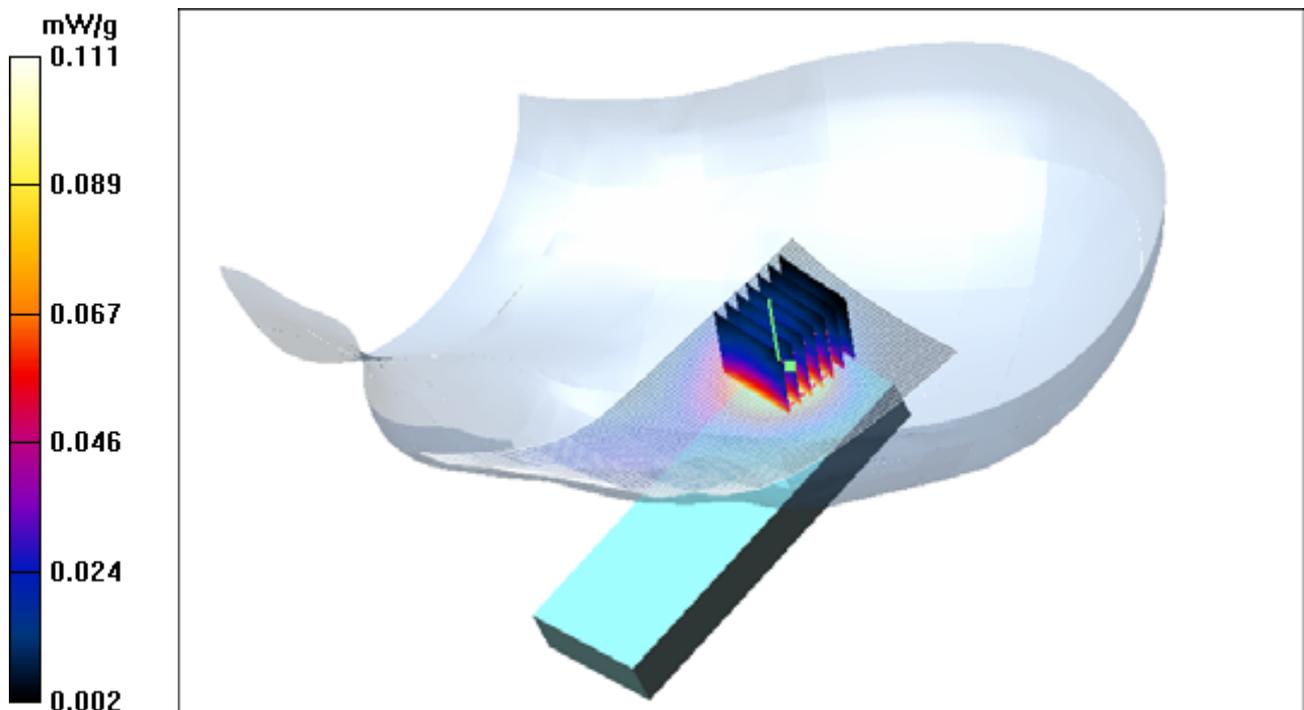
Maximum value of SAR (measured) = 0.111 mW/g

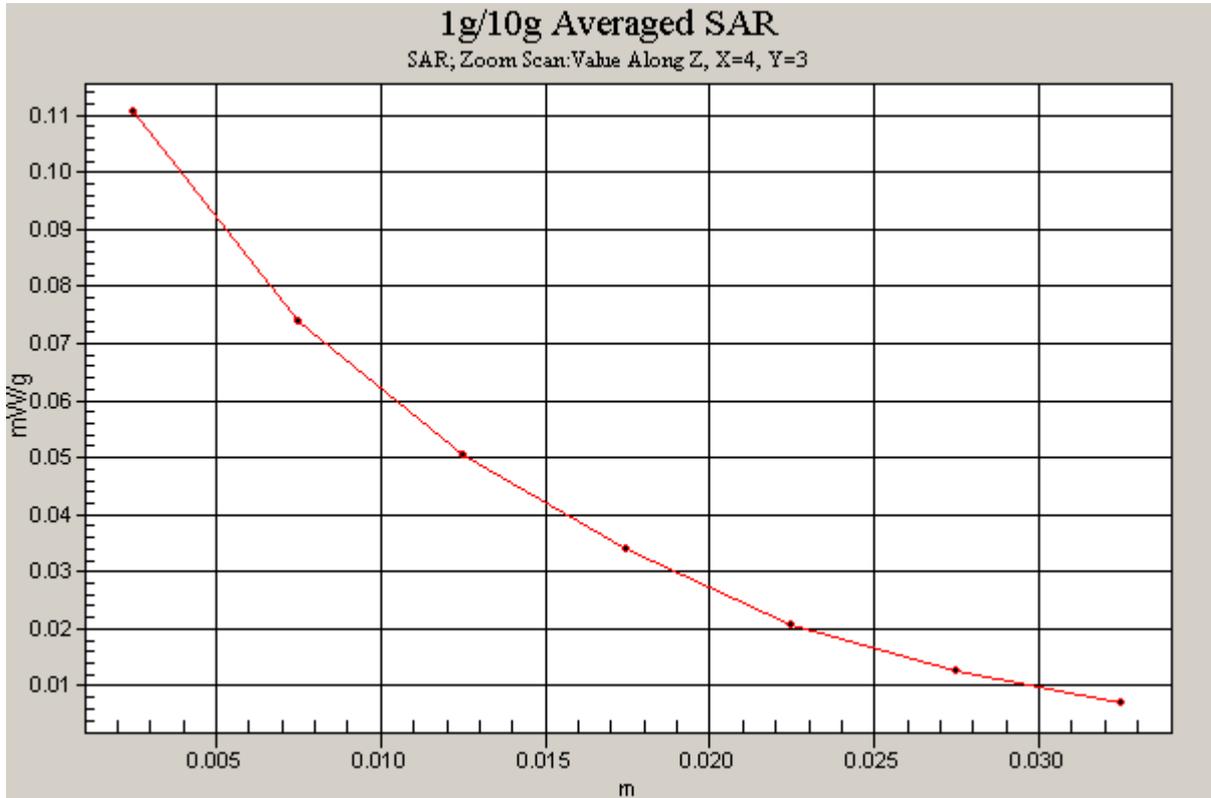Figure 125 Left Hand Tilt 15°Open GSM 1900 Channel 810

Figure 126 Z-Scan at power reference point (Left Hand Tilt 15°Open GSM 1900 Channel 810)

Date/Time: 3/22/2009 9:00:21 PM

GSM 1900 Left Tilt Middle Open

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 = 39.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Middle/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.180 mW/g

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

Reference Value = 8.40 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.080 mW/g
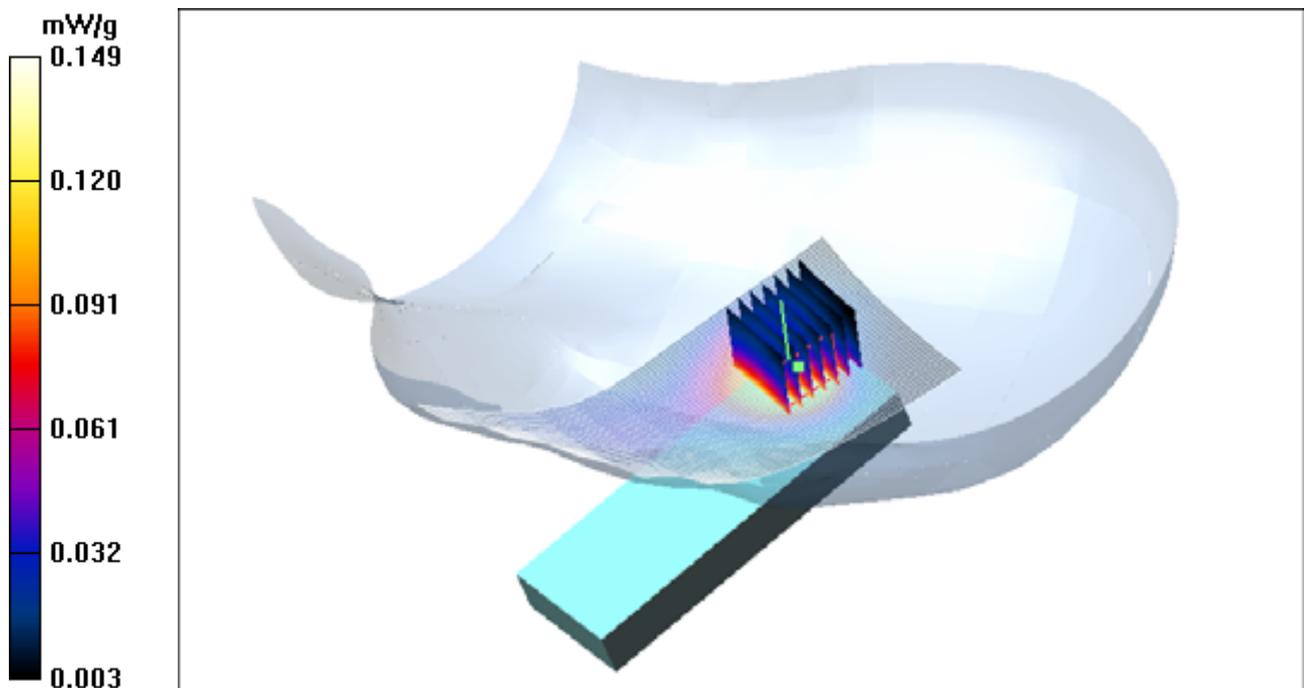
Maximum value of SAR (measured) = 0.149 mW/g
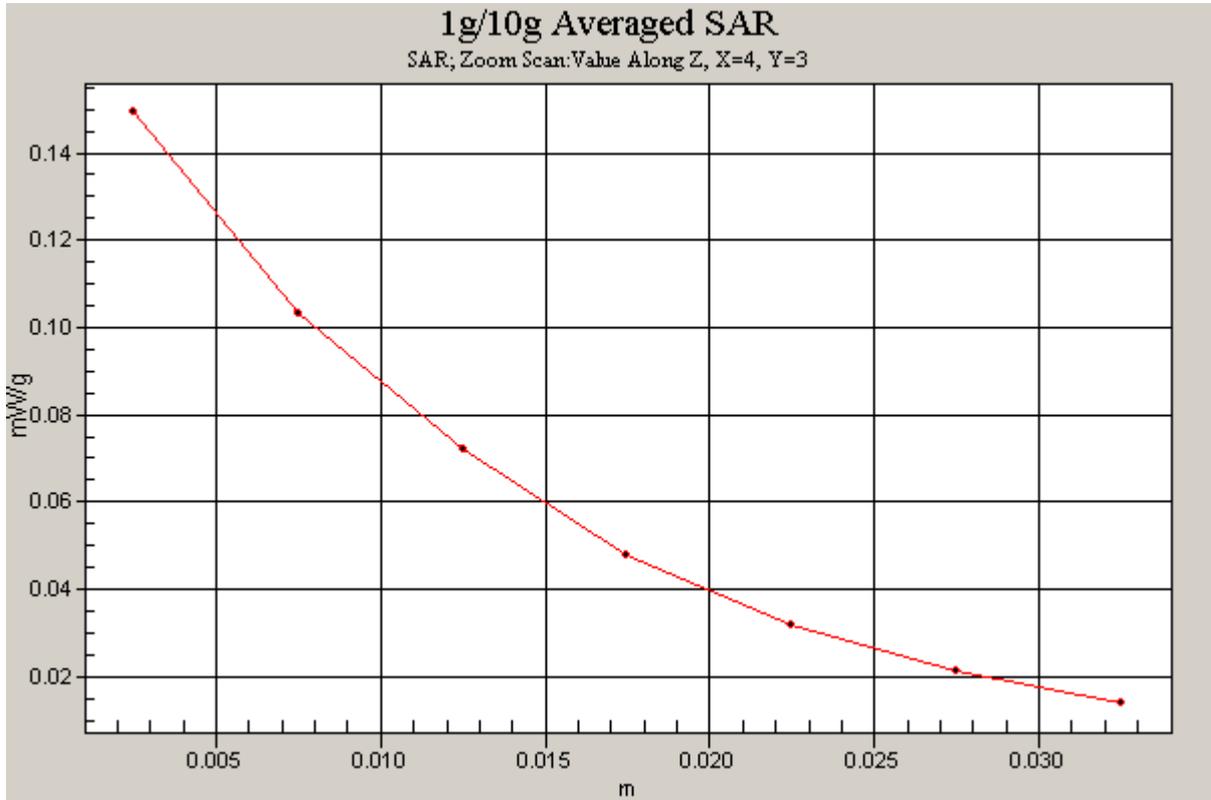

Figure 127 Left Hand Tilt 15°Open GSM 1900 Channel 661

Figure 128 Z-Scan at power reference point (Left Hand Tilt 15°Open GSM 1900 Channel 661)

Date/Time: 3/22/2009 9:19:13 PM

GSM 1900 Left Tilt Low Open

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 = 40; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Low/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.184 mW/g

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

Reference Value = 8.53 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.190 W/kg

SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.085 mW/g
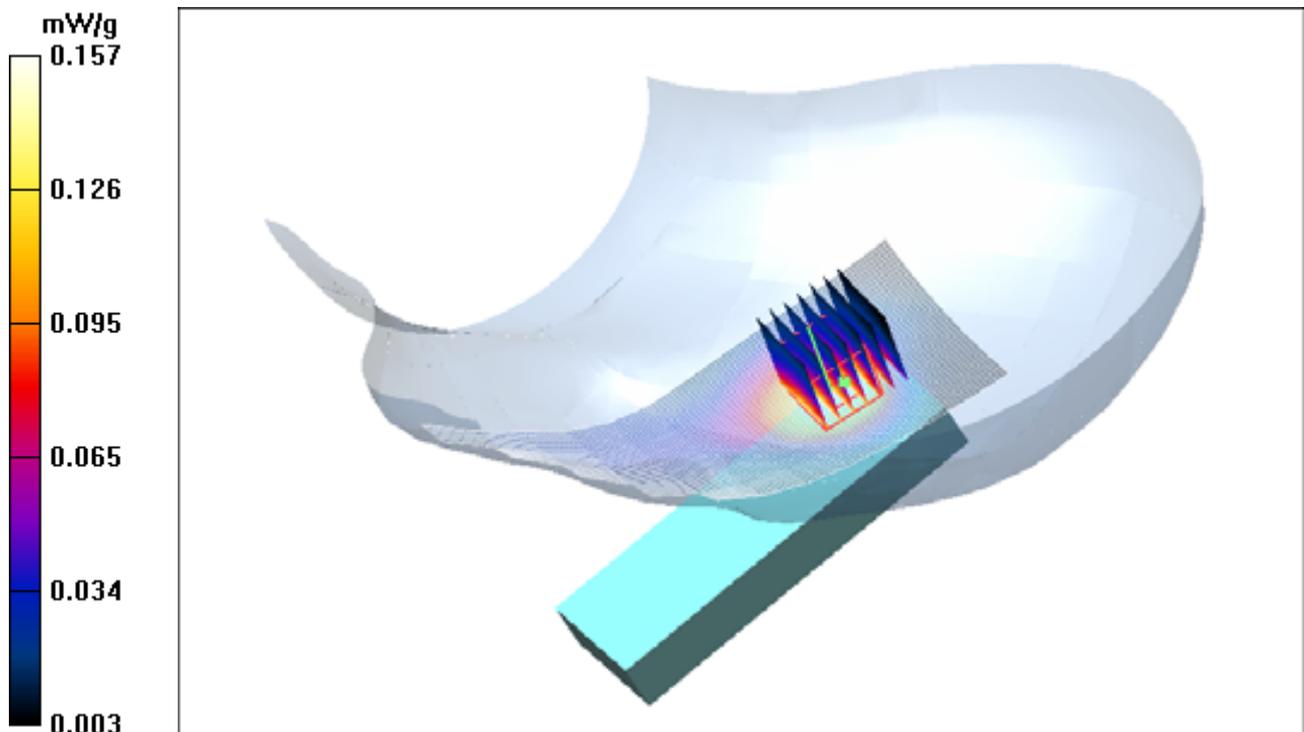
Maximum value of SAR (measured) = 0.157 mW/g

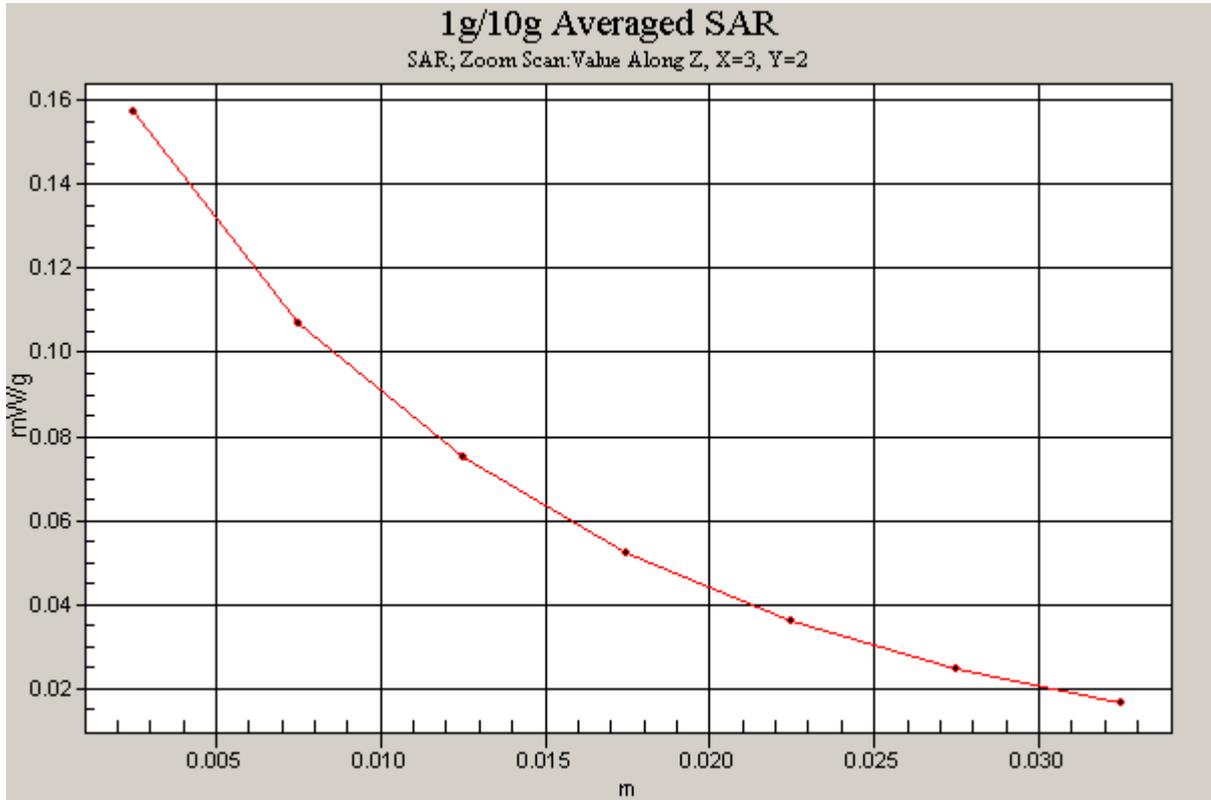Figure 129 Left Hand Tilt 15°Open GSM 1900 Channel 512

Figure 130 Z-Scan at power reference point (Left Hand Tilt 15°Open GSM 1900 Channel 512)

Date/Time: 3/22/2009 9:53:22 PM

GSM 1900 Right Cheek High Open

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

Medium parameters used: f = 1910 MHz; σ = 1.42 mho/m; $ε_r$ = 39.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Cheek High/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 5.59 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.146 mW/g

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

Reference Value = 5.59 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.065 mW/g

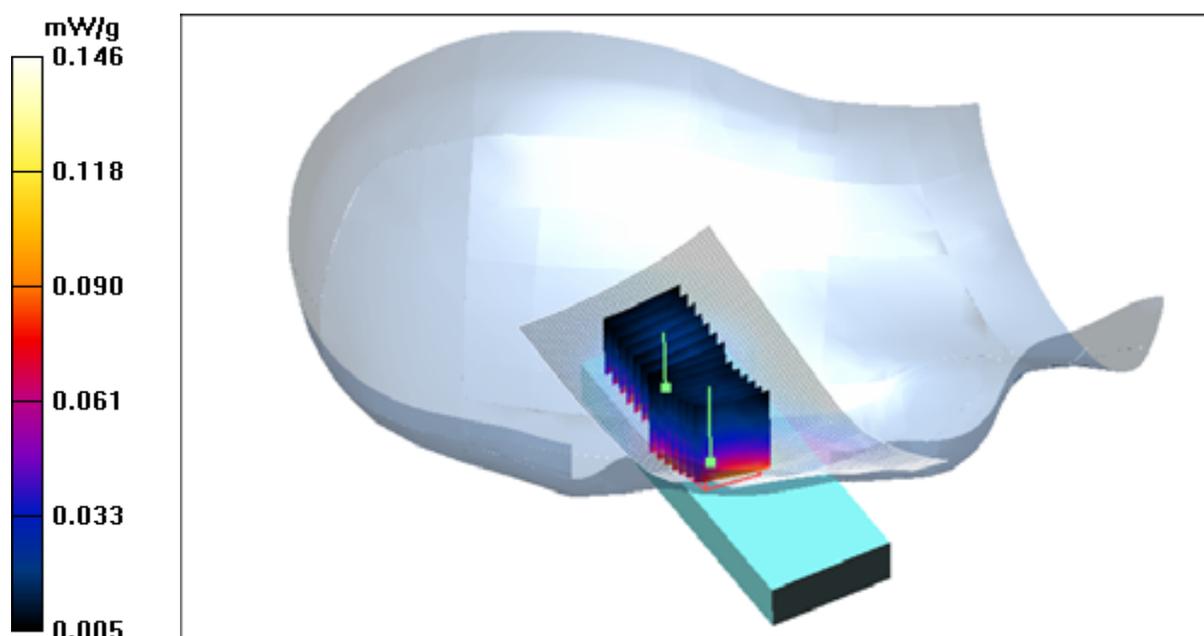Maximum value of SAR (measured) = 0.131 mW/g

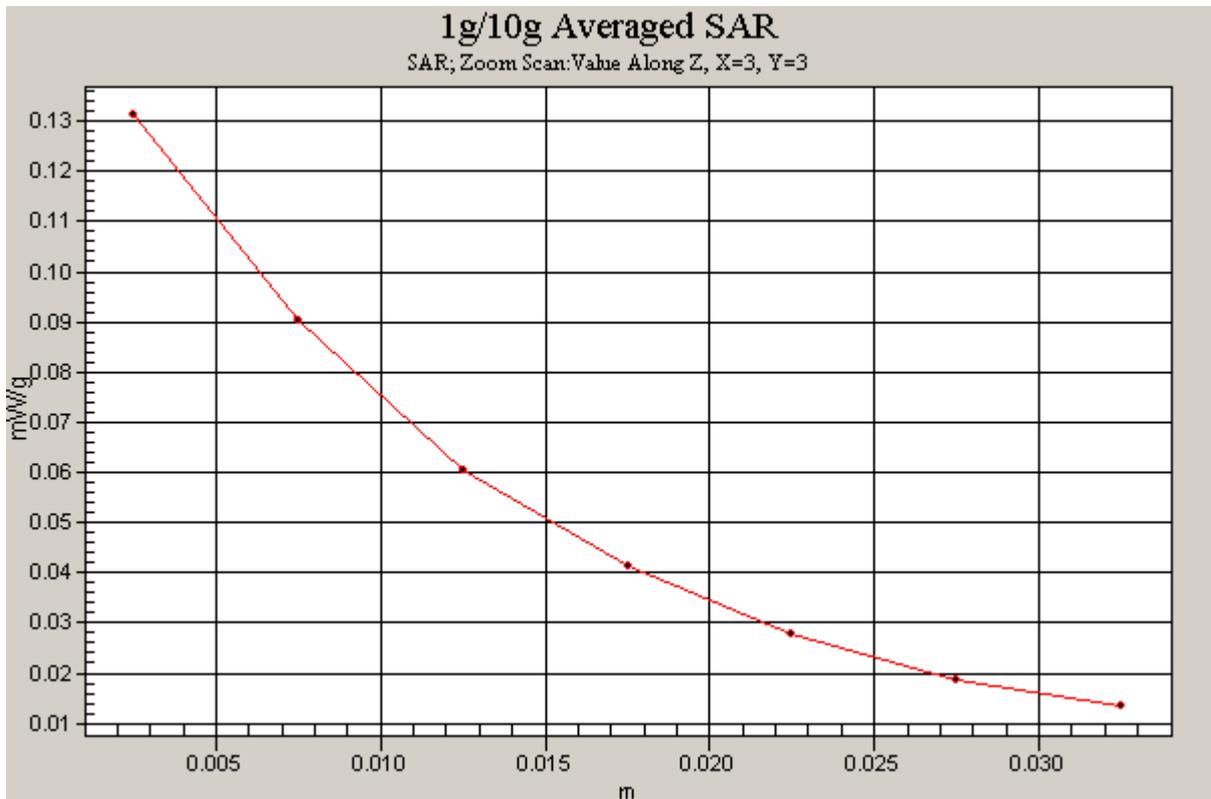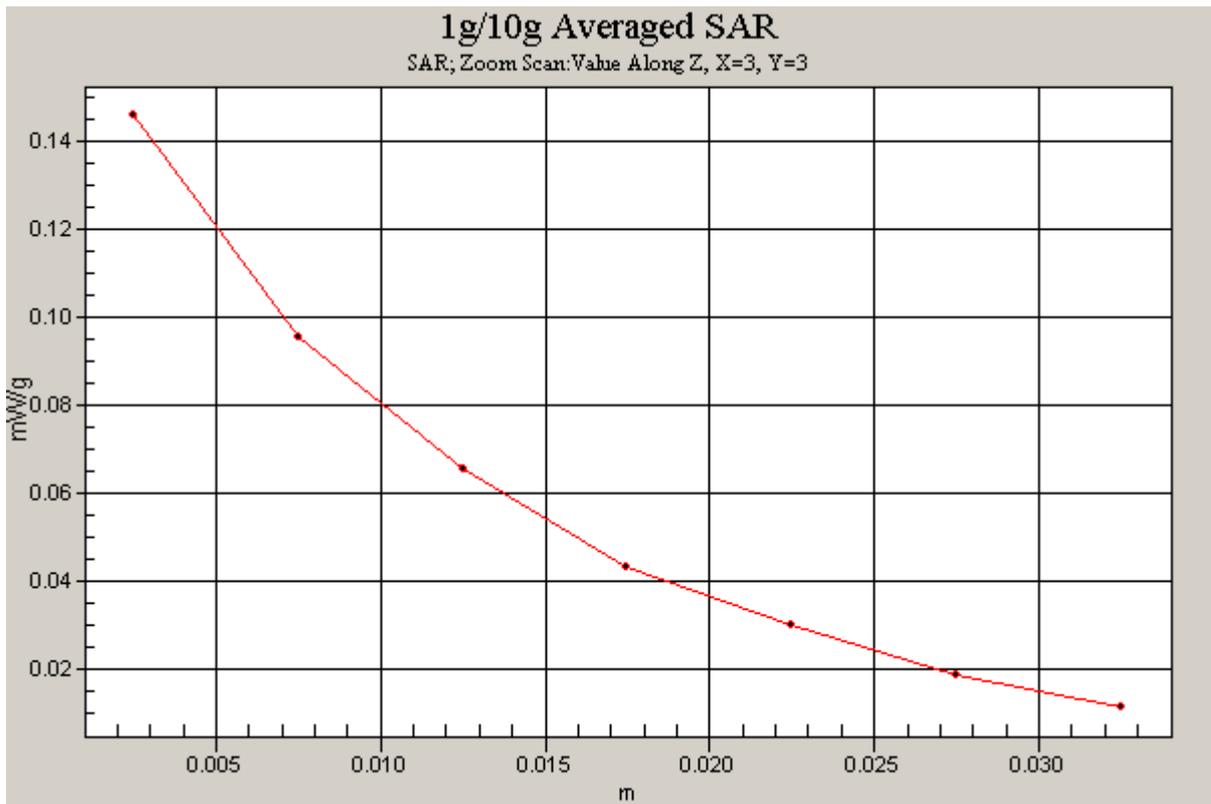Figure 131 Right Hand Touch Cheek Open GSM 1900 Channel 810

Figure 132 Z-Scan at power reference point (Right Hand Touch Cheek Open GSM 1900 Channel 810)

Date/Time: 3/22/2009 10:35:58 PM

GSM 1900 Right Cheek Middle Open

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

Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; $ε_r$ = 39.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Cheek Middle/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.209 mW/g

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

Reference Value = 6.40 V/m; Power Drift = 0.153 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.213 mW/g

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

Reference Value = 6.40 V/m; Power Drift = 0.153 dB

Peak SAR (extrapolated) = 0.233 W/kg

SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.094 mW/g
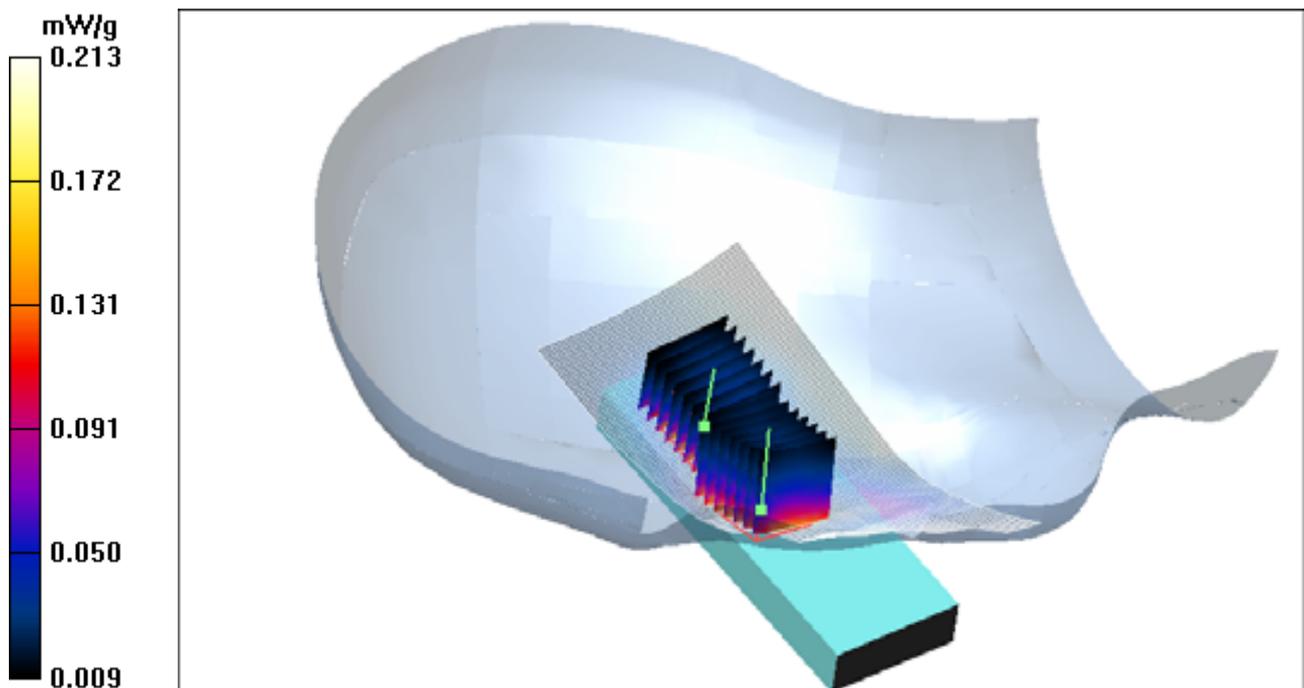
Maximum value of SAR (measured) = 0.187 mW/g

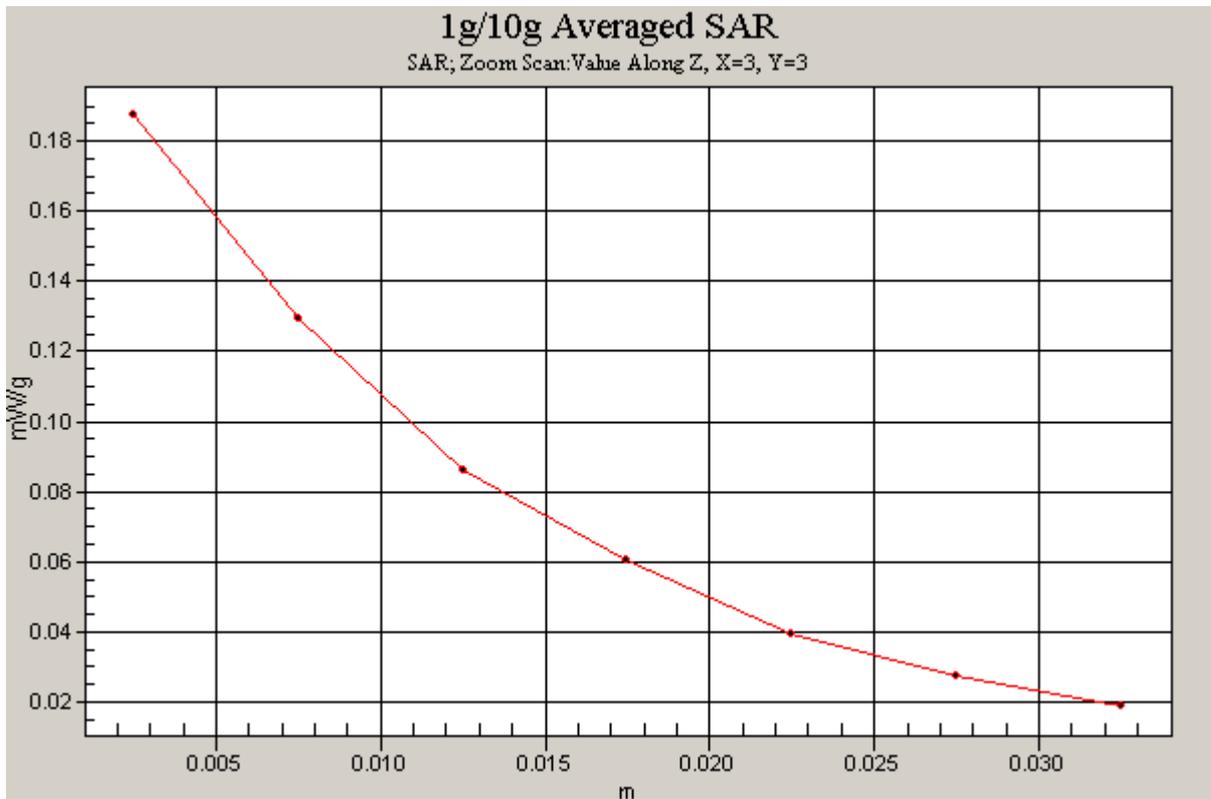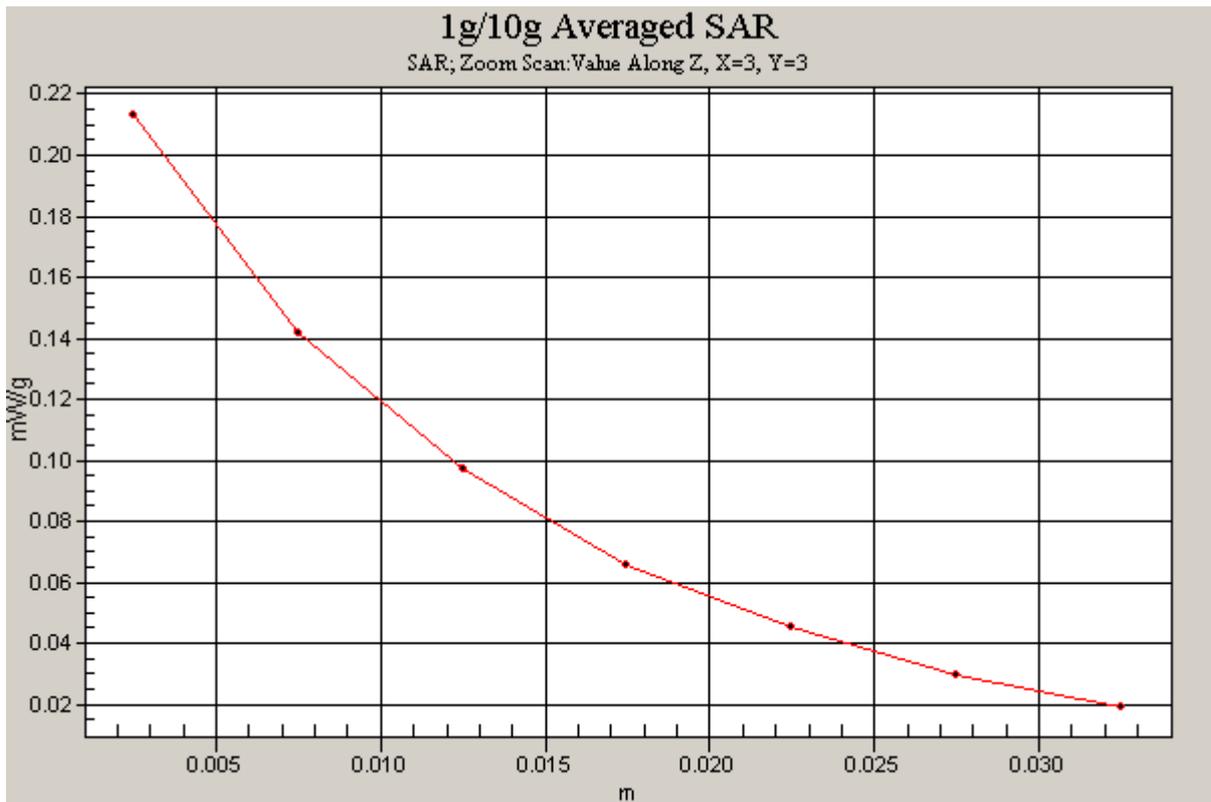Figure 133 Right Hand Touch Cheek Open GSM 1900 Channel 661

Figure 134 Z-Scan at power reference point (Right Hand Touch Cheek Open GSM 1900 Channel 661)

Date/Time: 3/22/2009 11:22:33 PM

GSM 1900 Right Cheek Low Open

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; $ε_r$ = 40; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Cheek Low/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.229 mW/g

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

Reference Value = 6.43 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.235 mW/g

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

Reference Value = 6.43 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.103 mW/g

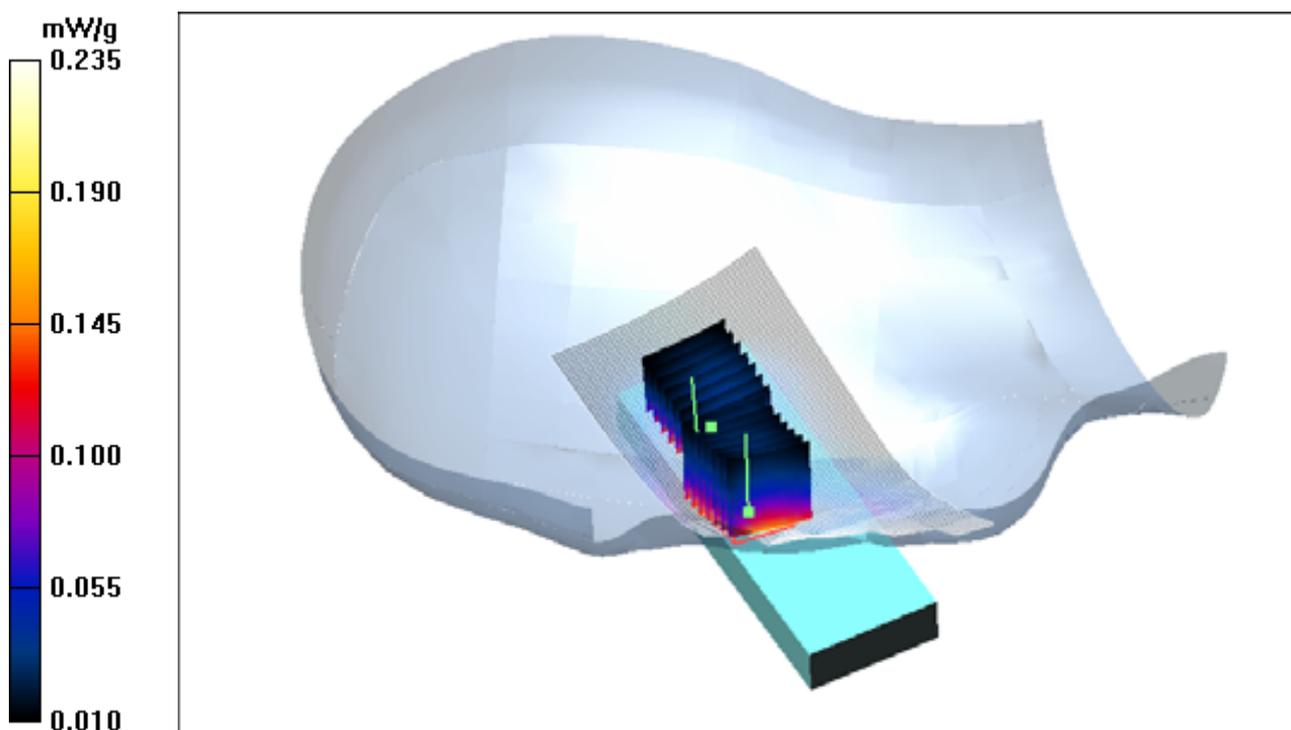Maximum value of SAR (measured) = 0.199 mW/g

Figure 135 Right Hand Touch Cheek Open GSM 1900 Channel 512
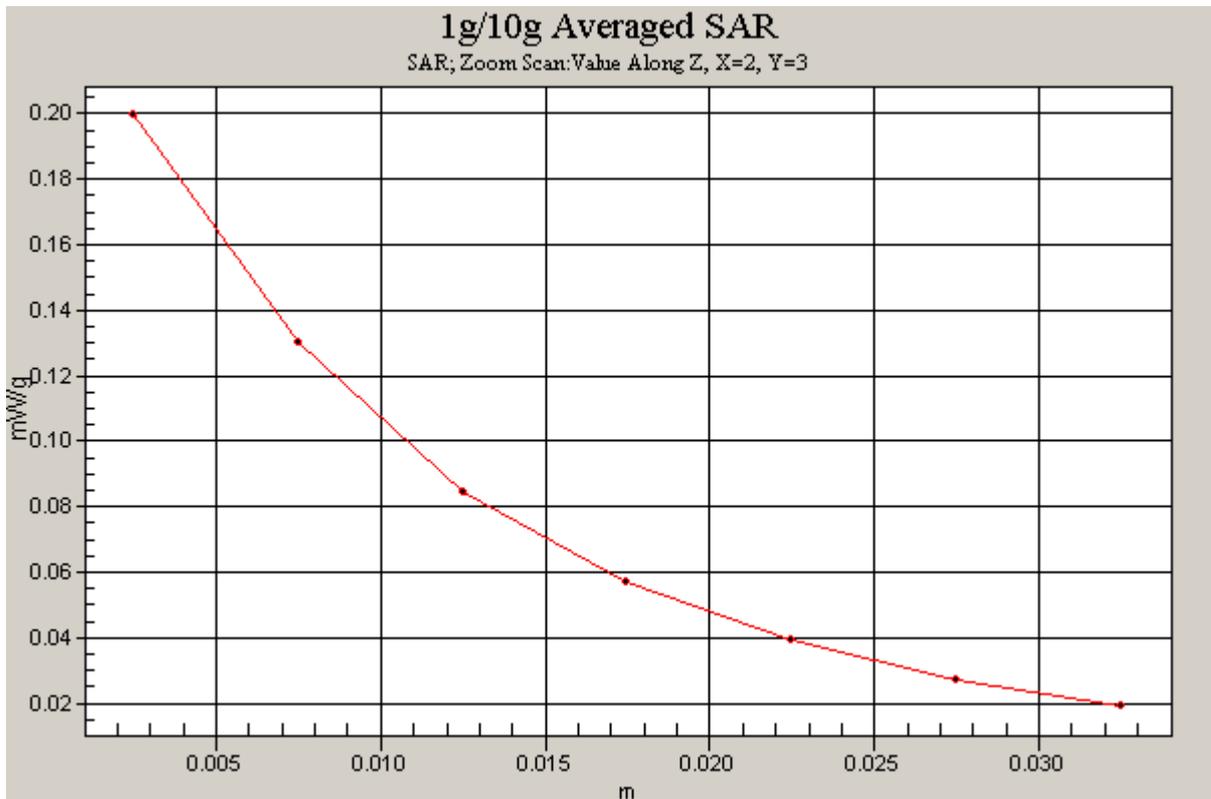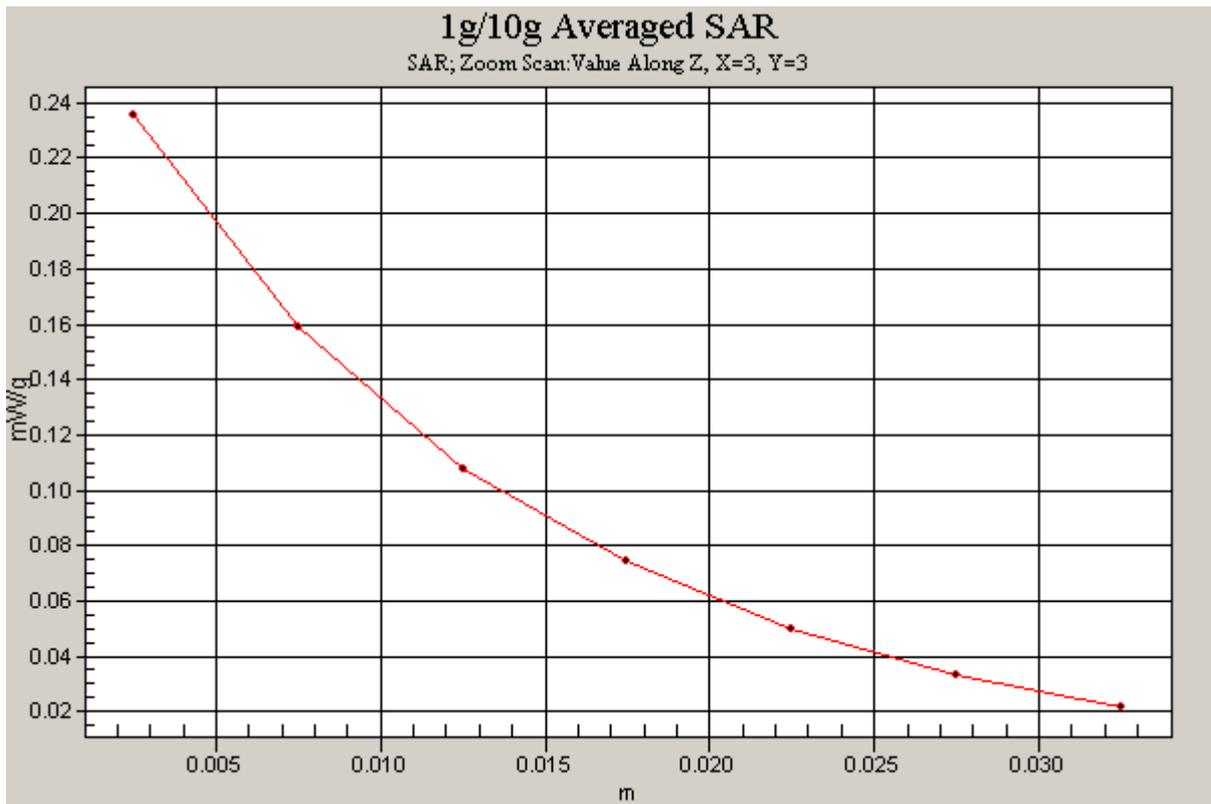
Figure 136 Z-Scan at power reference point (Right Hand Touch Cheek Open GSM 1900 Channel 512)

Date/Time: 3/23/2009 1:05:14 AM

GSM 1900 Right Tilt High Open

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 = 39.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt High/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.161 mW/g

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

Reference Value = 7.88 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 0.173 W/kg

SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.069 mW/g
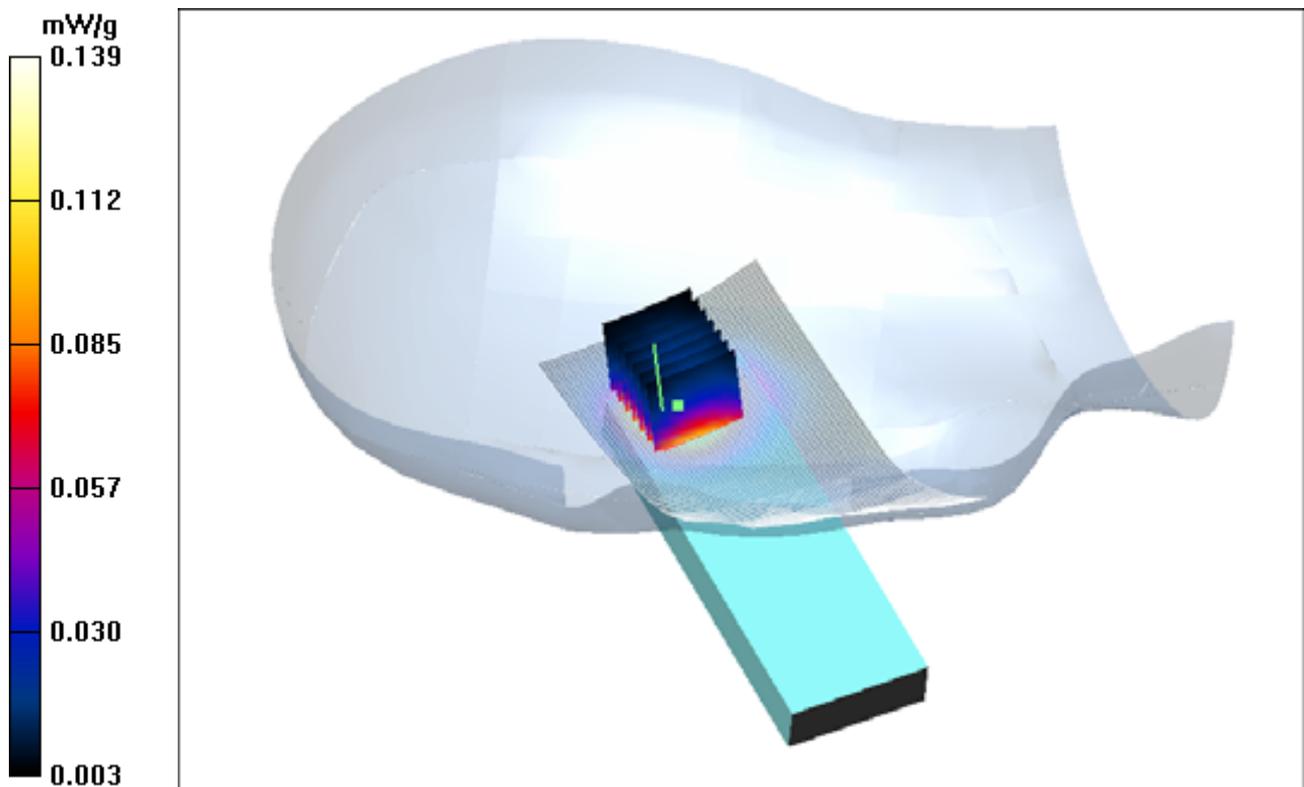
Maximum value of SAR (measured) = 0.139 mW/g
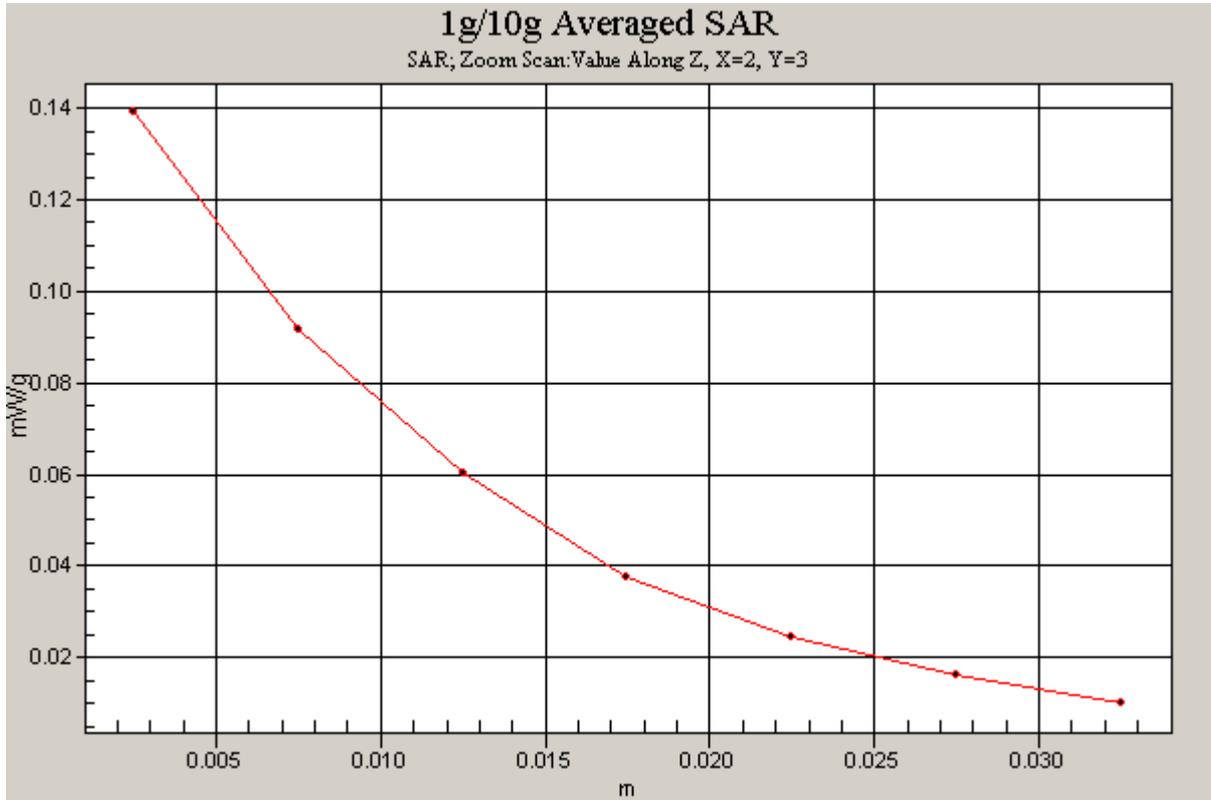

Figure 137 Right Hand Tilt 15°Open GSM 1900 Channel 810

Figure 138 Z-Scan at power reference point (Right Hand Tilt 15°Open GSM 1900 Channel 810)

Date/Time: 3/23/2009 1:23:55 AM

GSM 1900 Right Tilt Middle Open
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 = 39.8; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Middle/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 9.47 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.190 mW/g

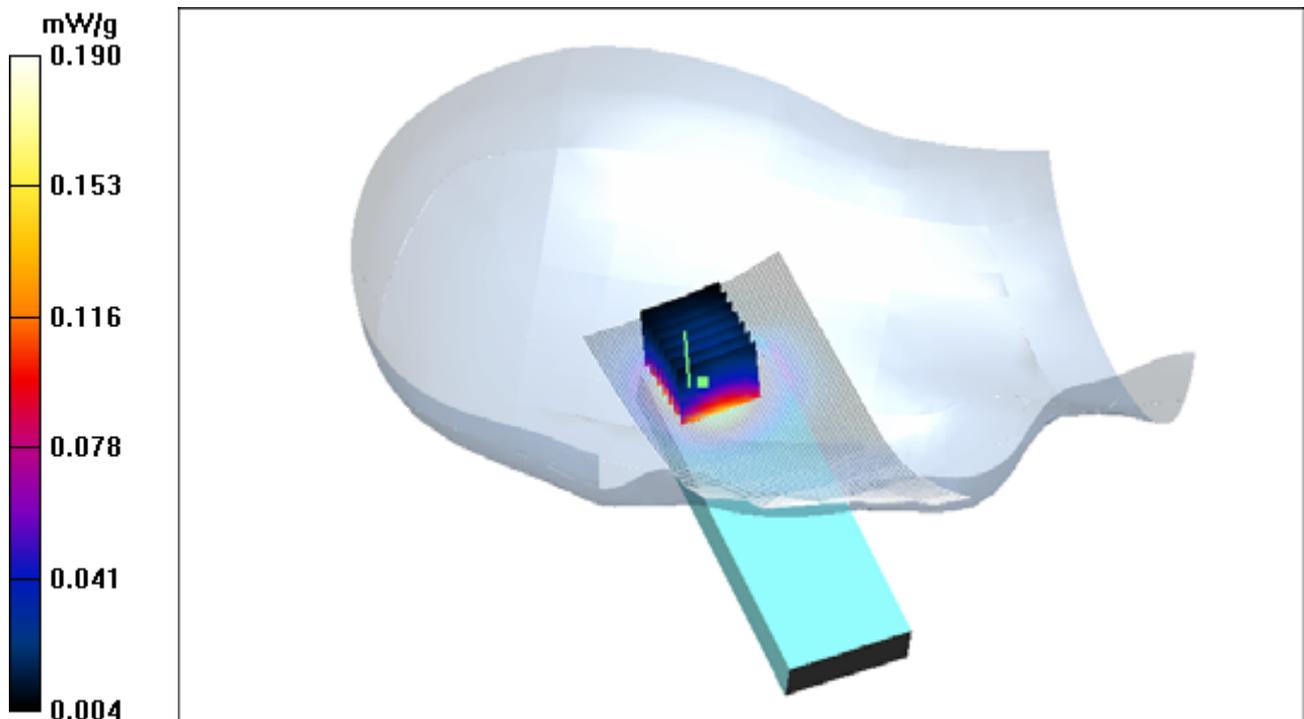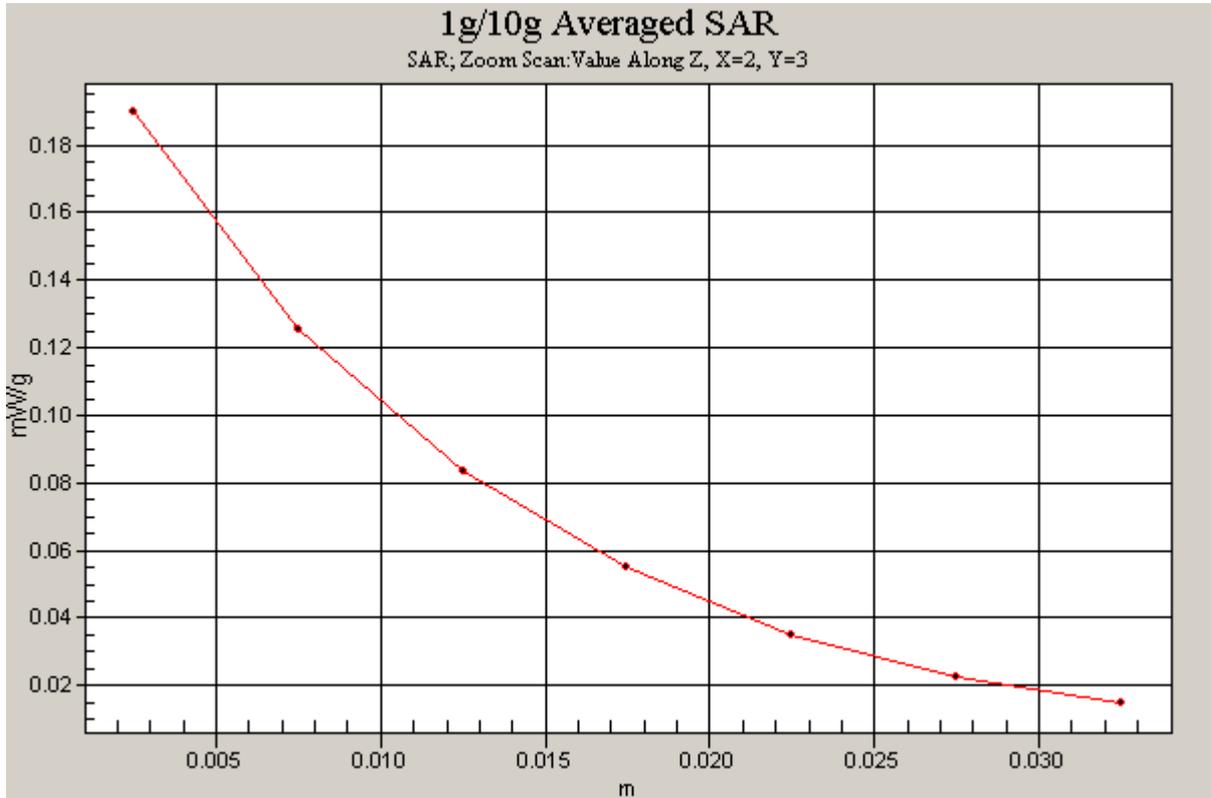Figure 139 Right Hand Tilt 15°Open GSM 1900 Channel 661

Figure 140 Z-Scan at power reference point (Right Hand Tilt 15°Open GSM 1900 Channel 661)

Date/Time: 3/23/2009 1:42:25 AM

GSM 1900 Right Tilt Low Open

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; $ε_r$ = 40; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Low/Area Scan (51x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.241 mW/g

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

Reference Value = 9.81 V/m; Power Drift = 0.115 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.106 mW/g
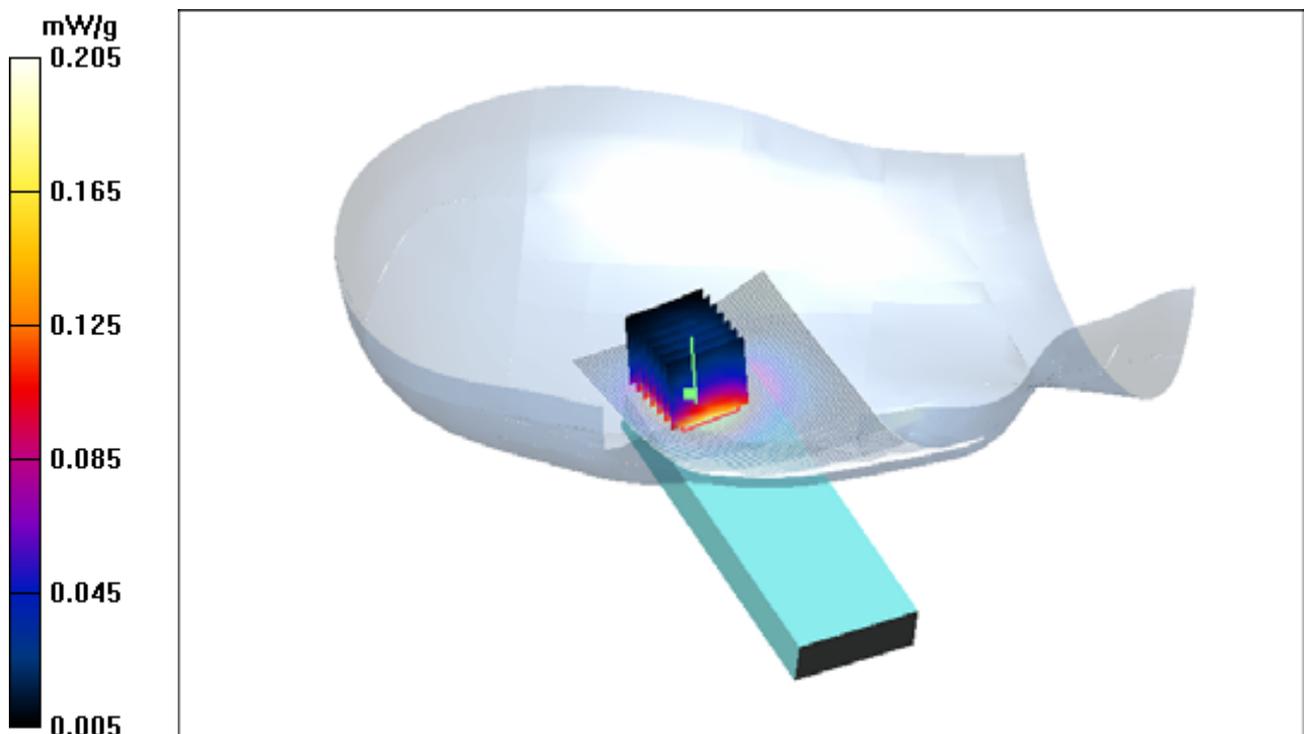
Maximum value of SAR (measured) = 0.205 mW/g

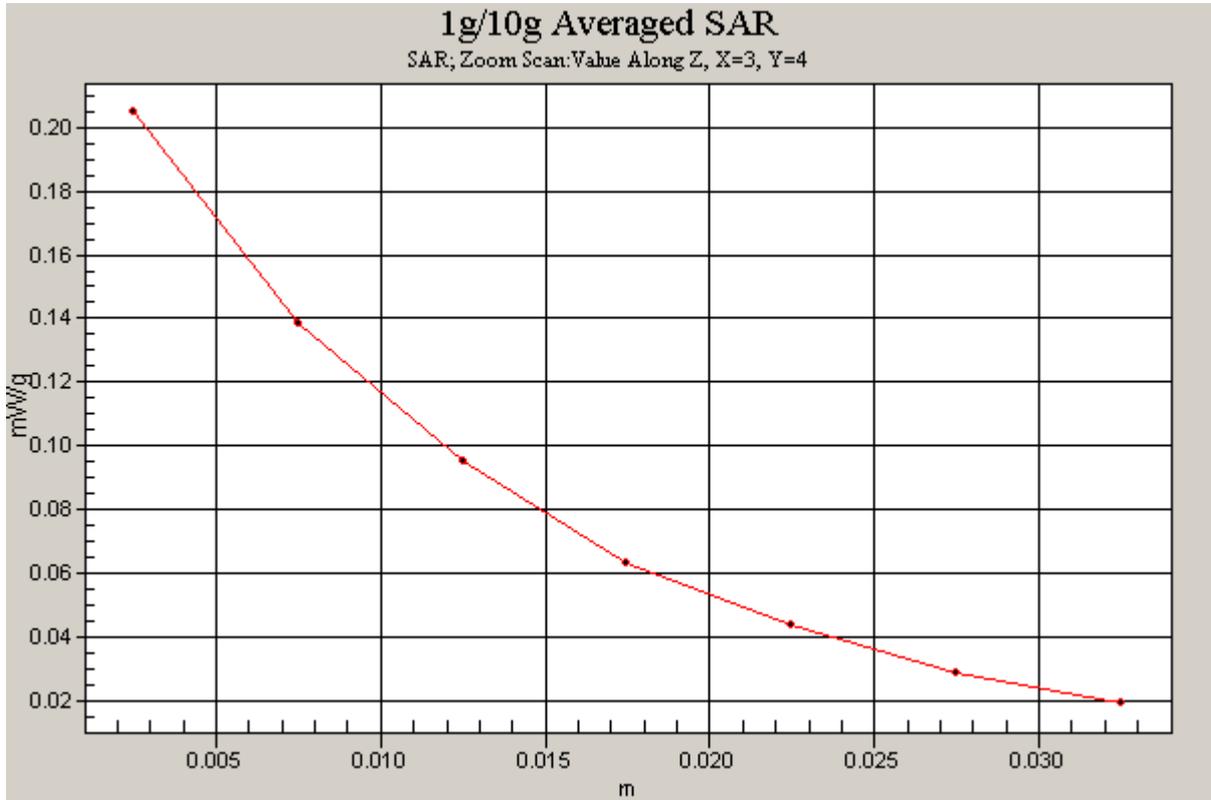Figure 141 Right Hand Tilt 15°Open GSM 1900 Channel 512

Figure 142 Z-Scan at power reference point (Right Hand Tilt 15°Open GSM 1900 Channel 512)

Date/Time: 3/23/2009 3:16:13 AM

GSM 1900 Towards Ground High Open

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

Medium parameters used: f = 1910 MHz; σ = 1.52 mho/m; $ε_r$ = 52.1; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Towards Ground High/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.299 mW/g

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

Reference Value = 6.19 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.153 mW/g

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

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

Reference Value = 6.19 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.101 mW/g

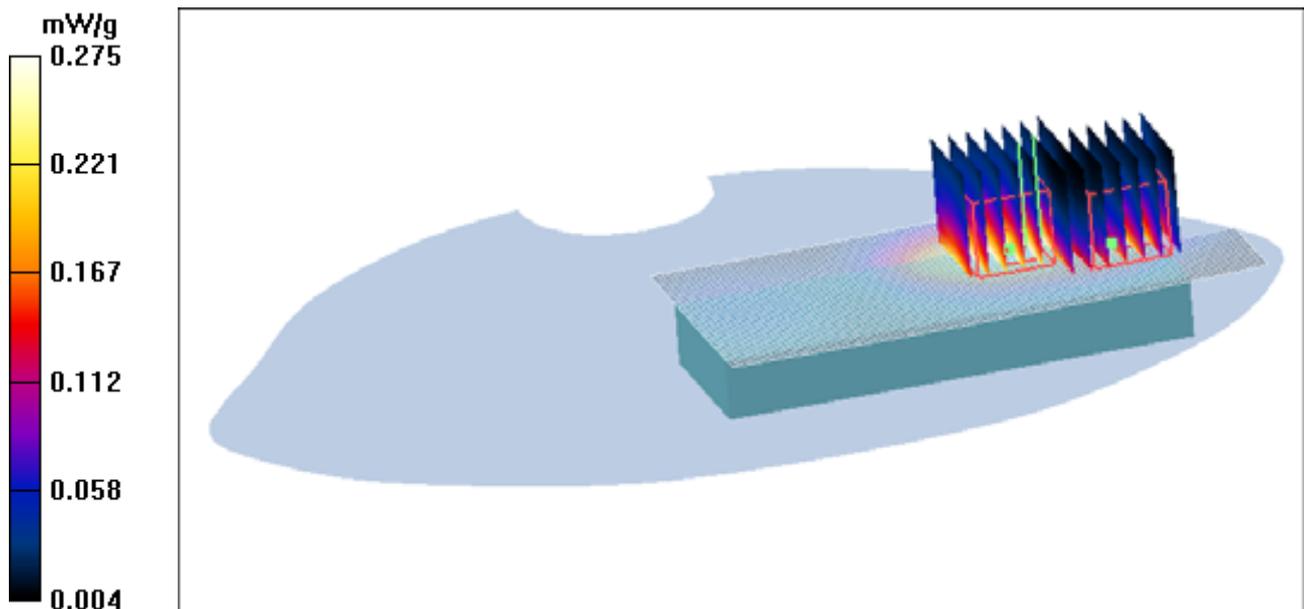Maximum value of SAR (measured) = 0.275 mW/g

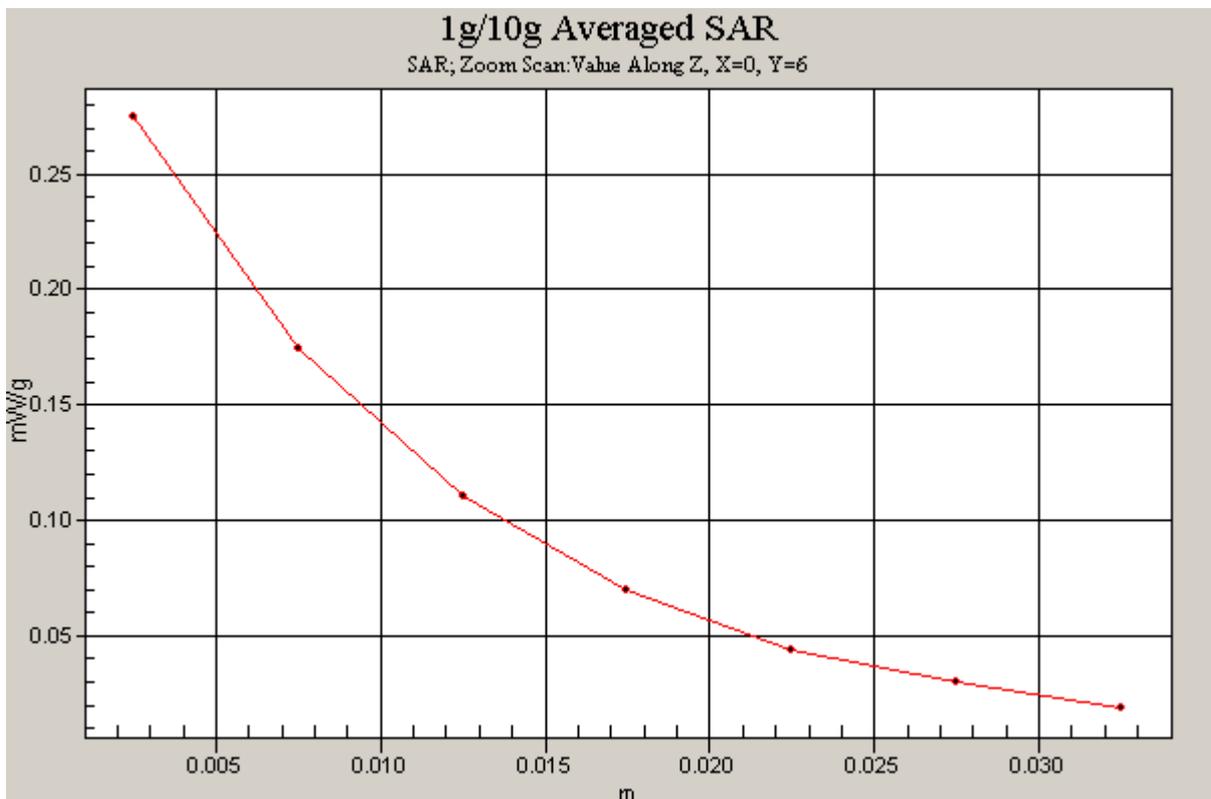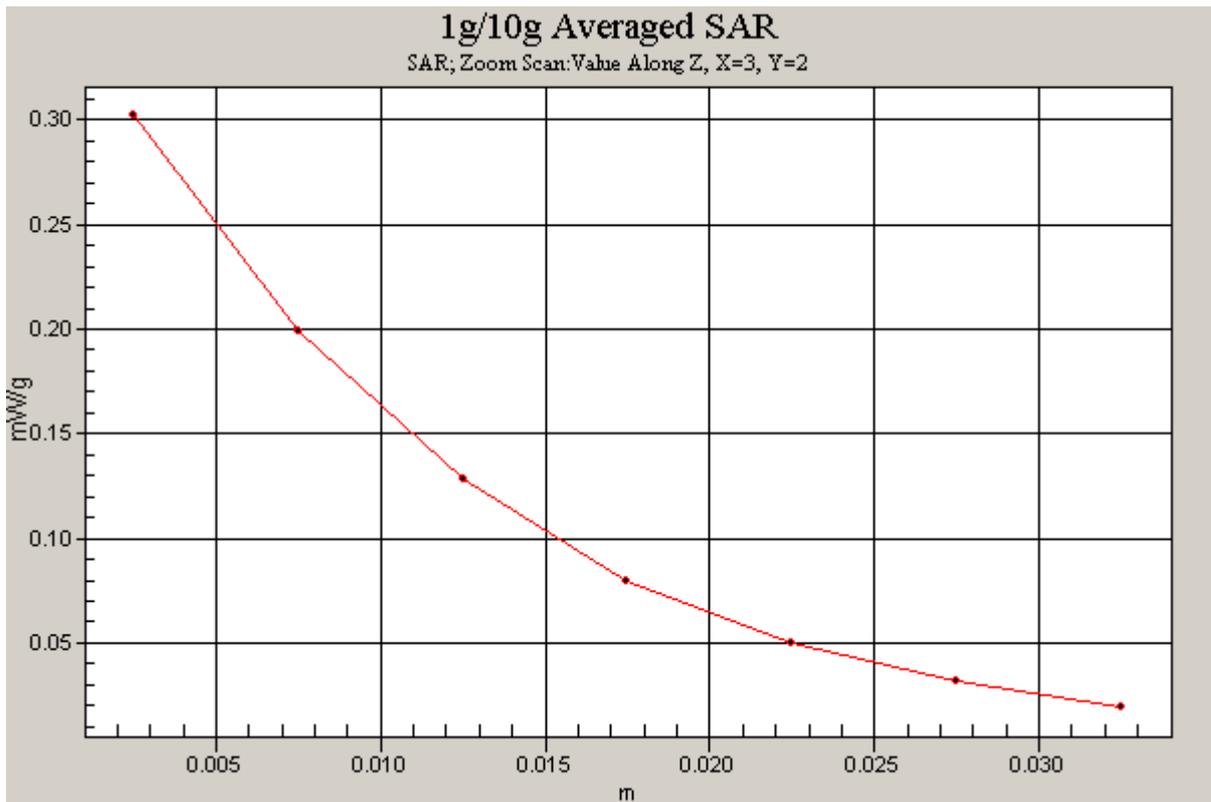Figure 143 Body, Towards Ground, Open GSM 1900 Channel 810

Figure 144 Z-Scan at power reference point (Body, Towards Ground, Open GSM 1900 Channel 810)

Date/Time: 3/23/2009 2:43:55 AM

GSM 1900 Towards Ground Middle Open

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

Medium parameters used: f = 1880 MHz; σ = 1.49 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Towards Ground Middle/Area Scan (71x151x1): Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 7.45 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.206 mW/g

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

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

Reference Value = 7.45 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.156 mW/g

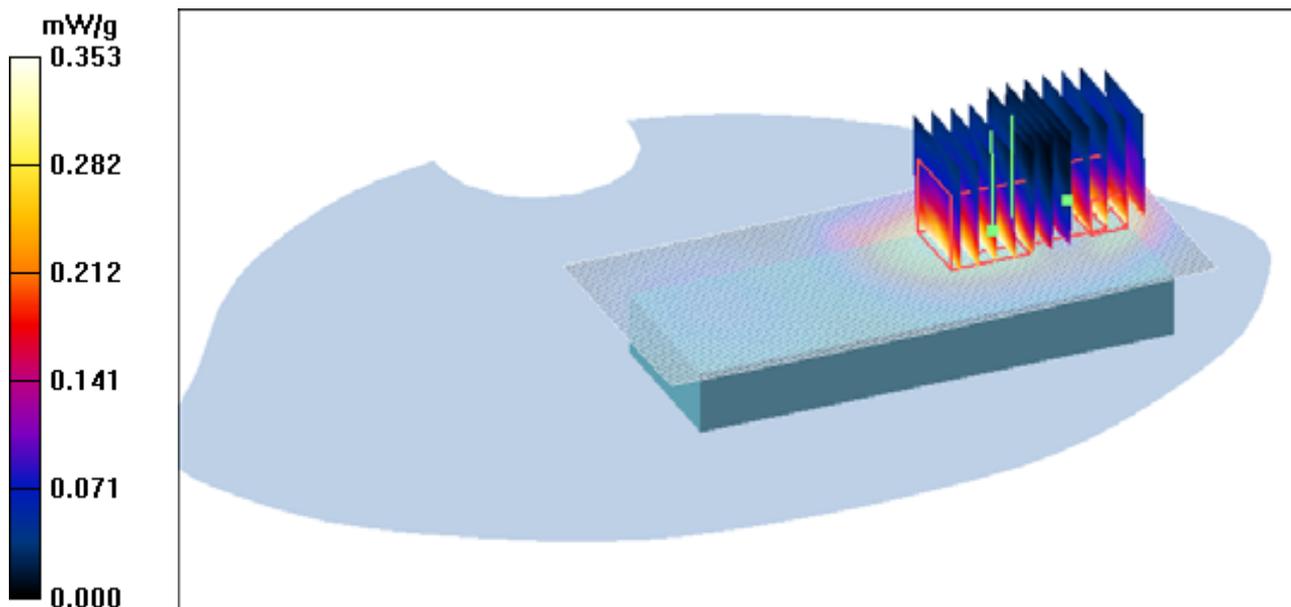Maximum value of SAR (measured) = 0.353 mW/g
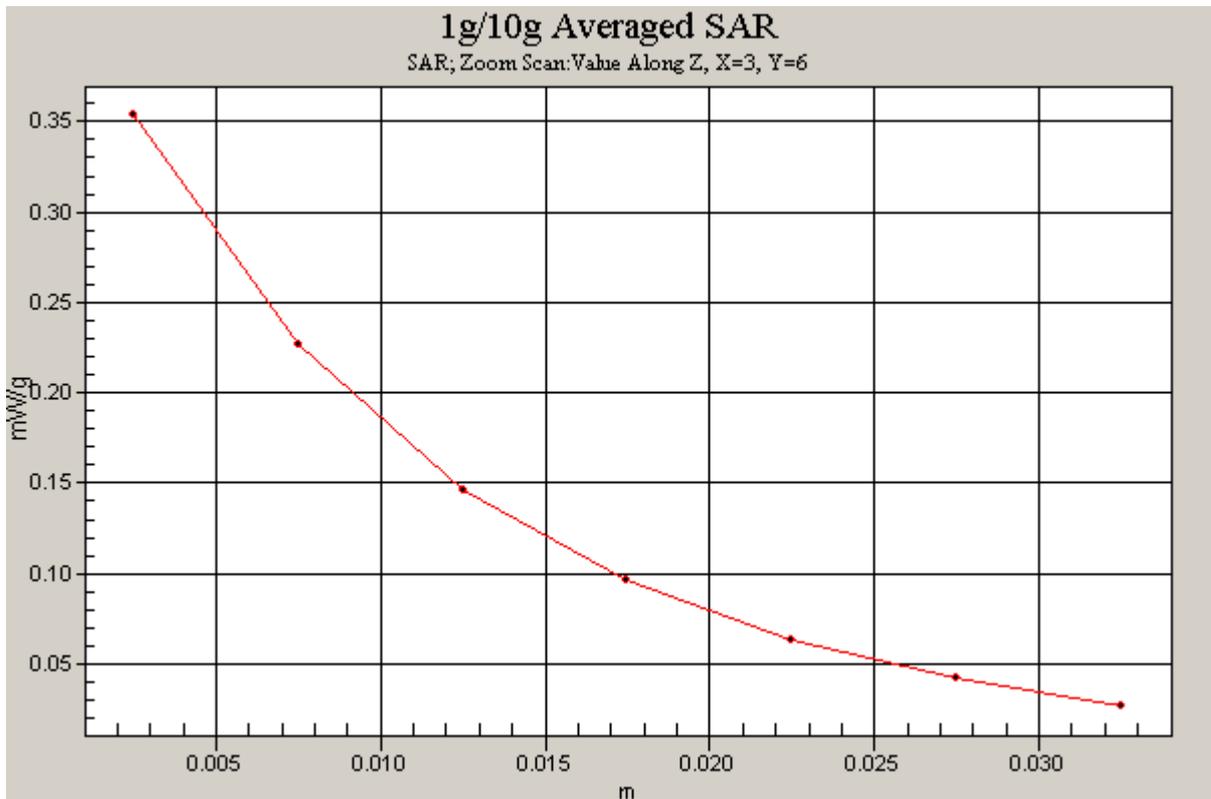

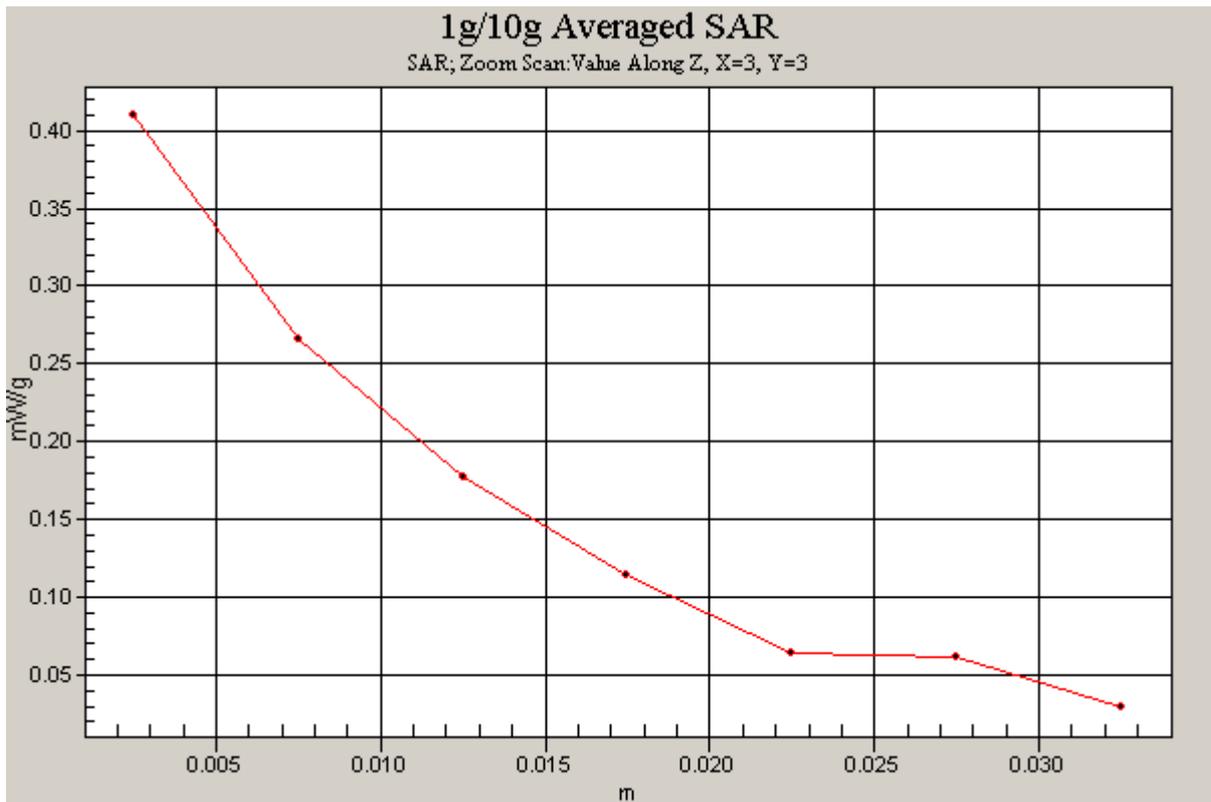Figure 145 Body, Towards Ground, Open GSM 1900 Channel 661

Figure 146 Z-Scan at power reference point (Body, Towards Ground, Open GSM 1900 Channel 661)

Date/Time: 3/23/2009 2:10:32 AM

GSM 1900 Towards Ground Low Open

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

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.45 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Towards Ground Low/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.403 mW/g

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

Reference Value = 7.85 V/m; Power Drift = 0.069 dB

Peak SAR (extrapolated) = 0.486 W/kg

SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.207 mW/g

Maximum value of SAR (measured) = 0.399 mW/g

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

Reference Value = 7.85 V/m; Power Drift = 0.069 dB

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.157 mW/g

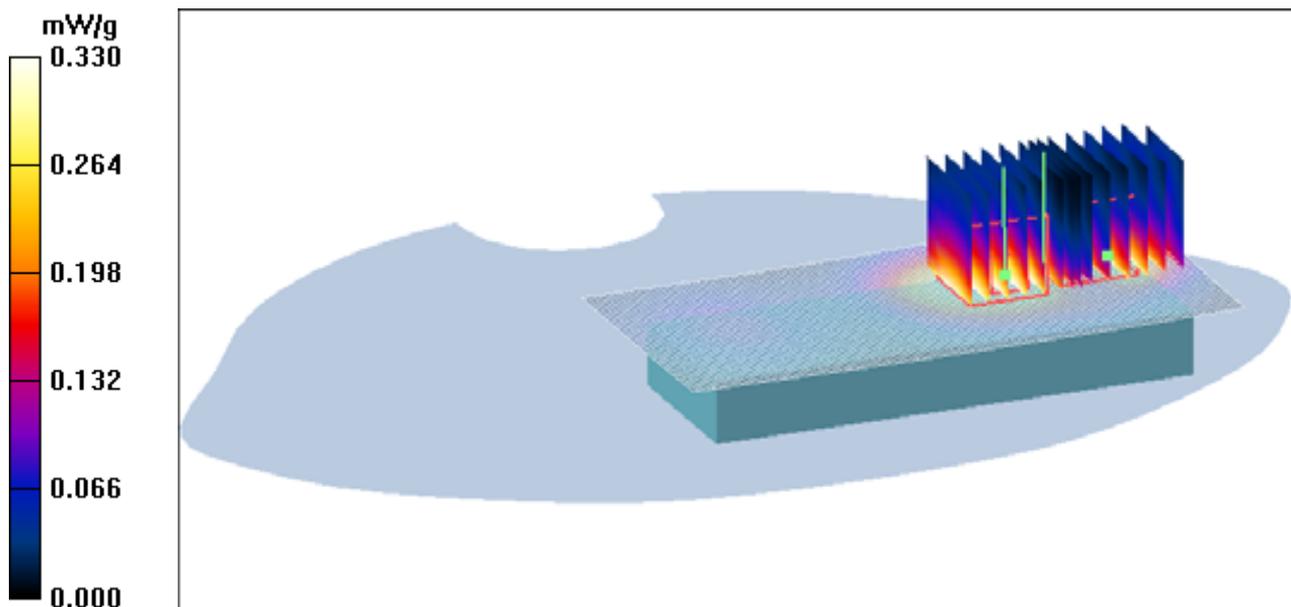Maximum value of SAR (measured) = 0.330 mW/g

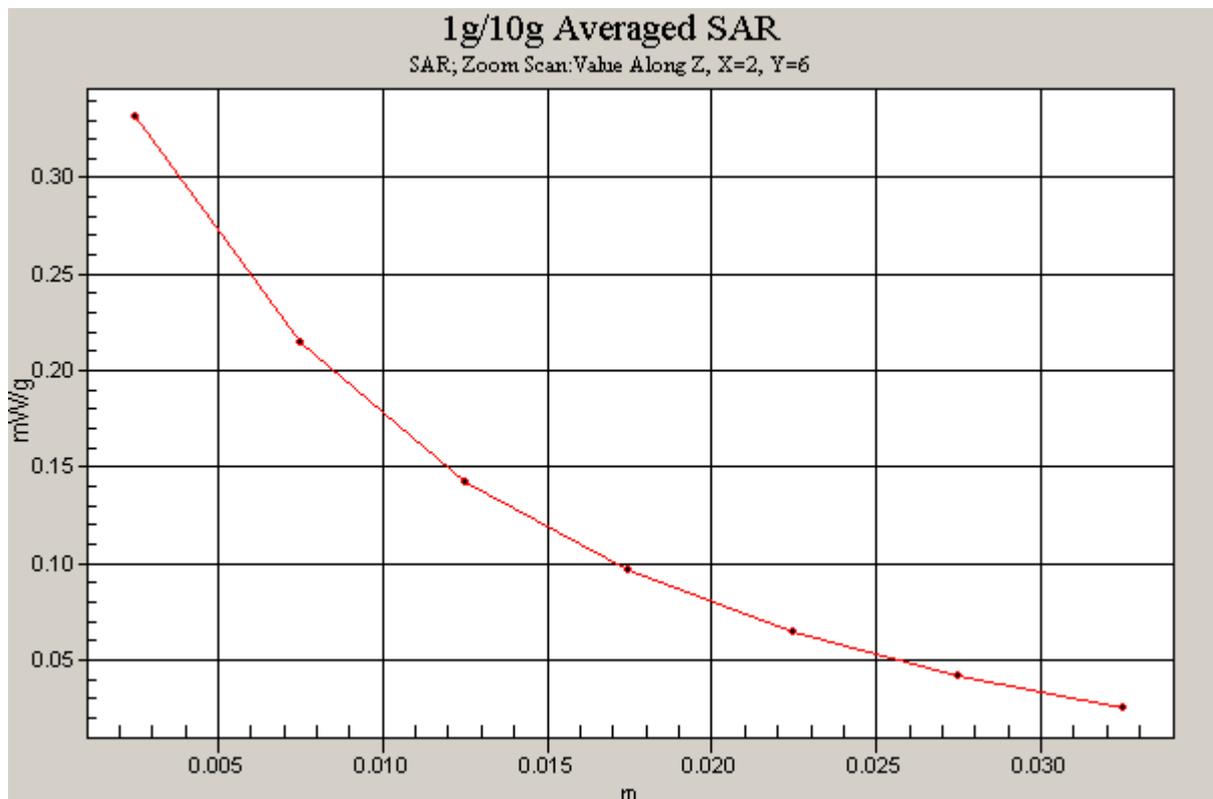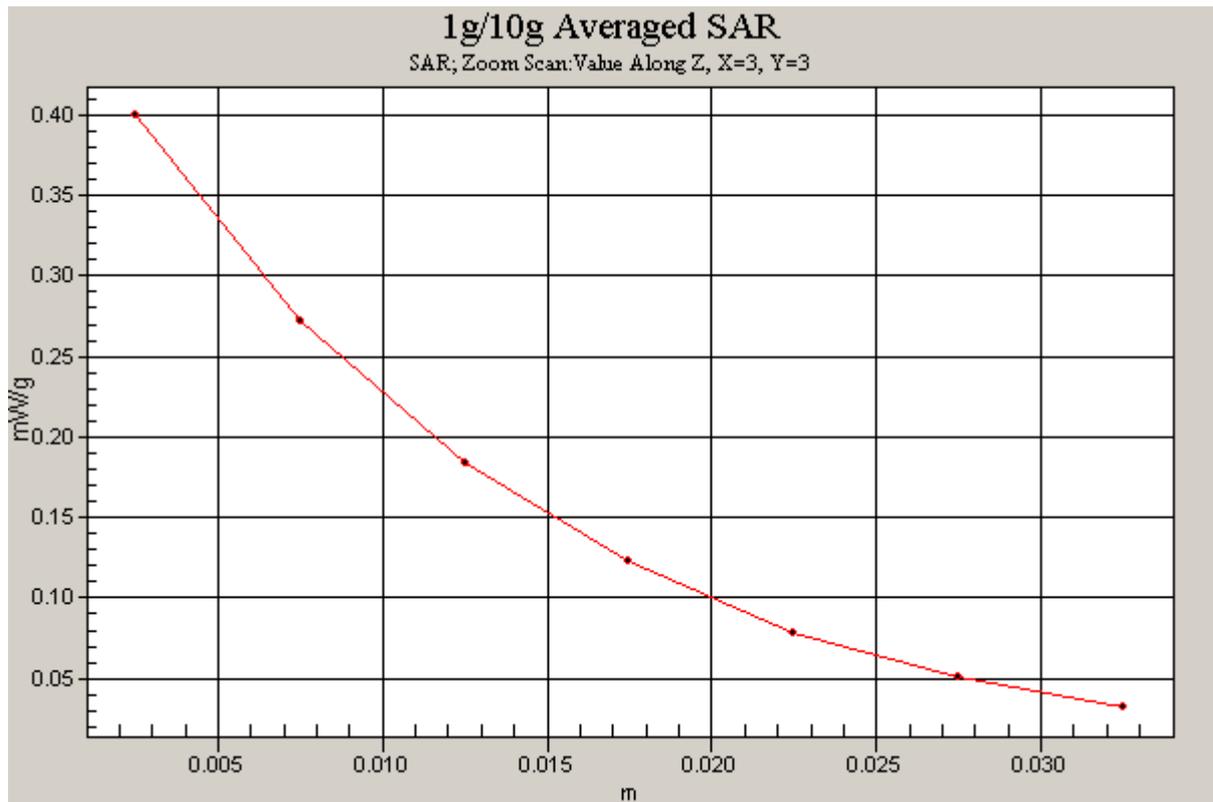Figure 147 Body, Towards Ground, Open GSM 1900 Channel 512

Figure 148 Z-Scan at power reference point (Body, Towards Ground, Open GSM 1900 Channel 512)

Date/Time: 3/23/2009 3:44:11 AM

GSM 1900 Towards Phantom High Open

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

Medium parameters used: f = 1910 MHz; σ = 1.52 mho/m; $ε_r$ = 52.1; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Towards Phantom High/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.108 mW/g

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

Reference Value = 5.20 V/m; Power Drift = 0.157 dB

Peak SAR (extrapolated) = 0.135 W/kg

SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.057 mW/g

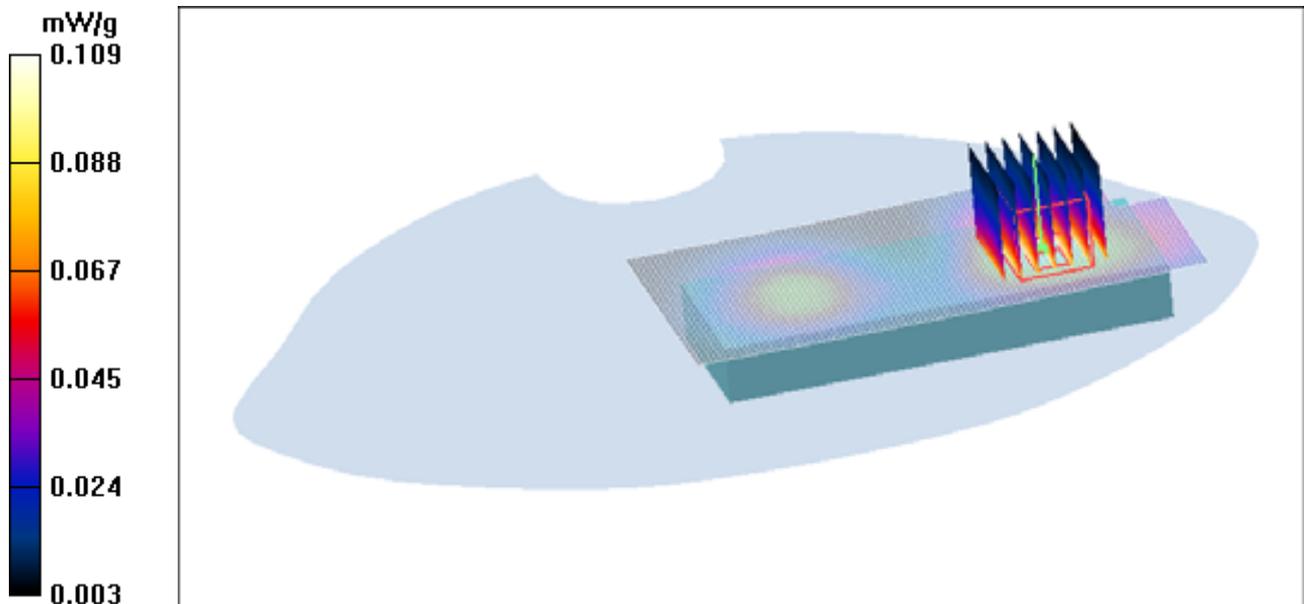Maximum value of SAR (measured) = 0.109 mW/g

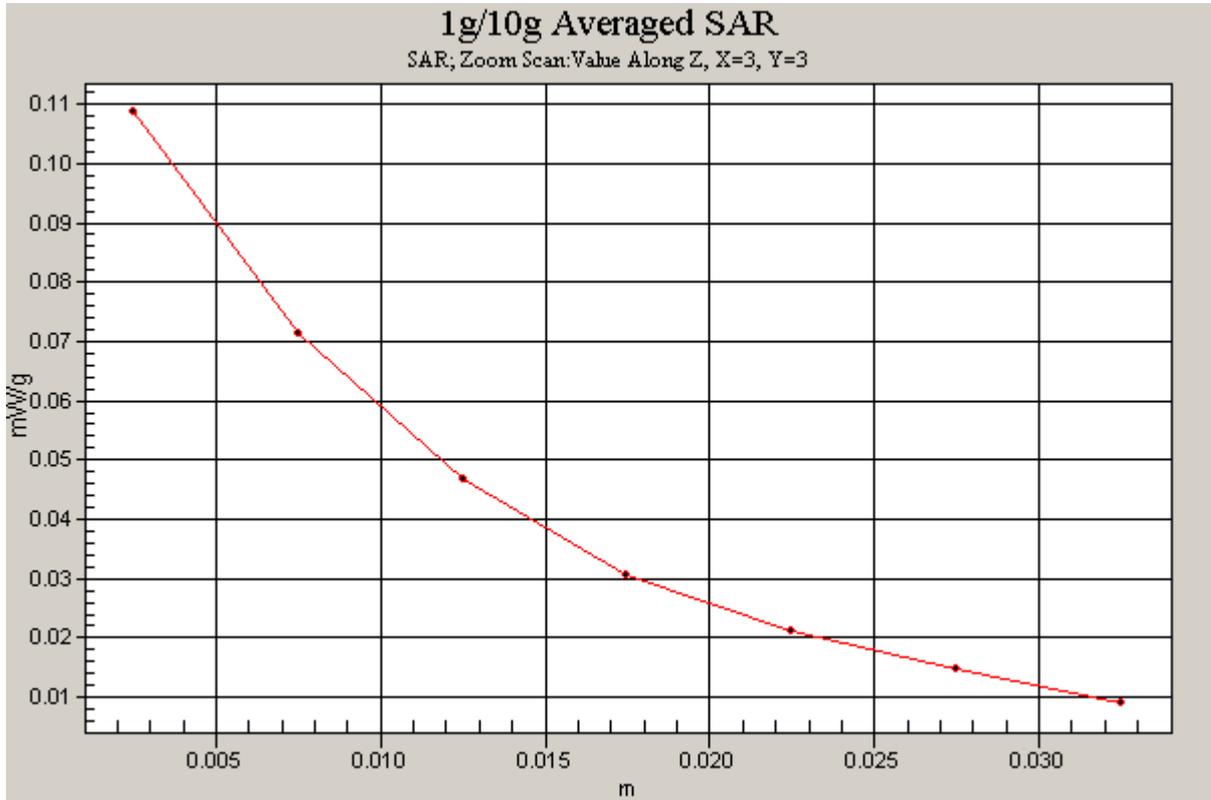Figure 149 Body, Towards Phantom, Open GSM 1900 Channel 810

Figure 150 Z-Scan at power reference point (Body, Towards Phantom, Open GSM 1900 Channel 810)

Date/Time: 3/23/2009 4:15:06 AM

GSM 1900 Towards Phantom Middle Open

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

Medium parameters used: f = 1880 MHz; σ = 1.49 mho/m; $ε_r$ = 52.1; ρ = 1000 kg/m^3

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 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Towards Phantom Middle/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.140 mW/g

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

Reference Value = 6.03 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.136 mW/g

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

Reference Value = 6.03 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.057 mW/g
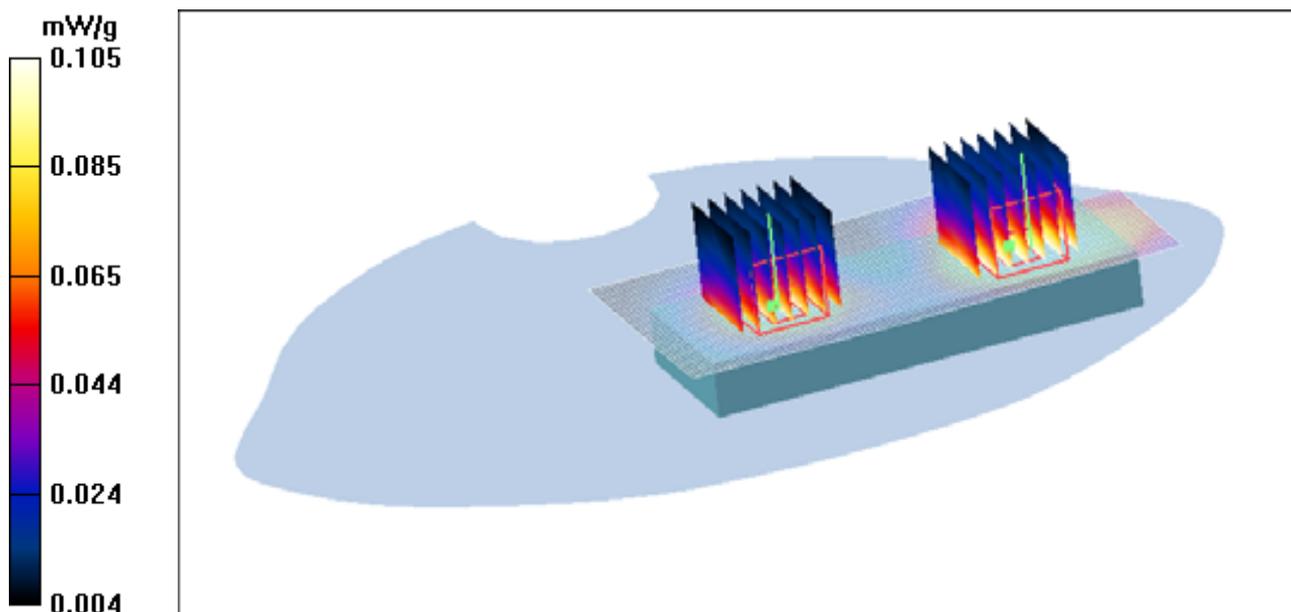
Maximum value of SAR (measured) = 0.105 mW/g

Figure 151 Body, Towards Phantom, Open GSM 1900 Channel 661