

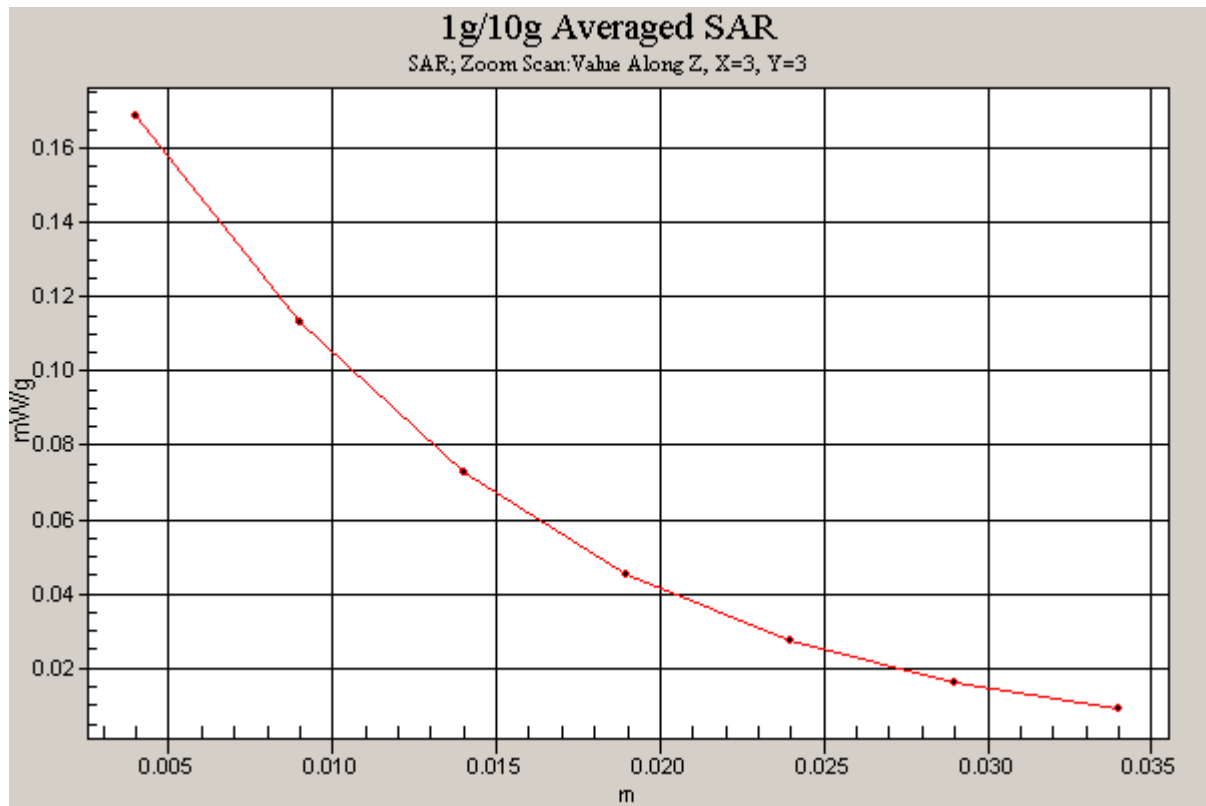


Figure 69 Z-Scan at power reference point (Left Hand Tilt 15° Close GSM 1900 Channel 661)

GSM 1900 Left Tilt Low Close

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(5.15, 5.15, 5.15);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 7.50 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 0.165 W/kg

SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.066 mW/g

Maximum value of SAR (measured) = 0.124 mW/g

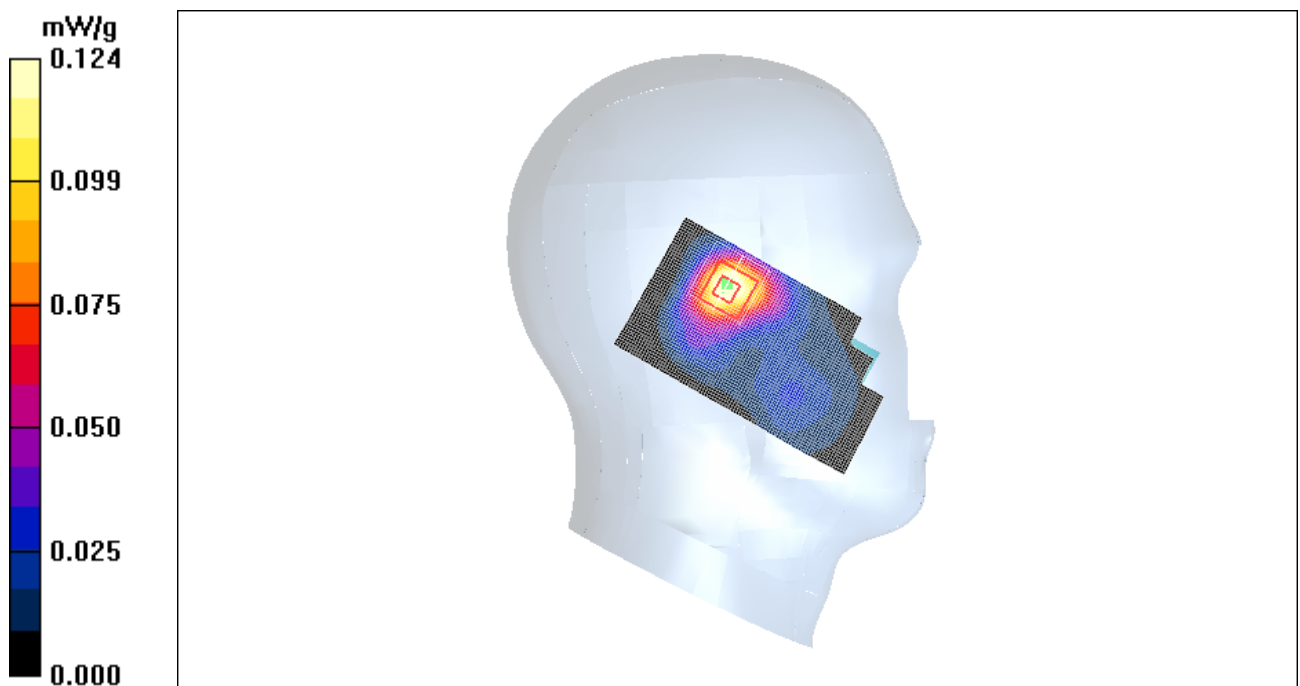


Figure 70 Left Hand Tilt 15° Close GSM 1900 Channel 512

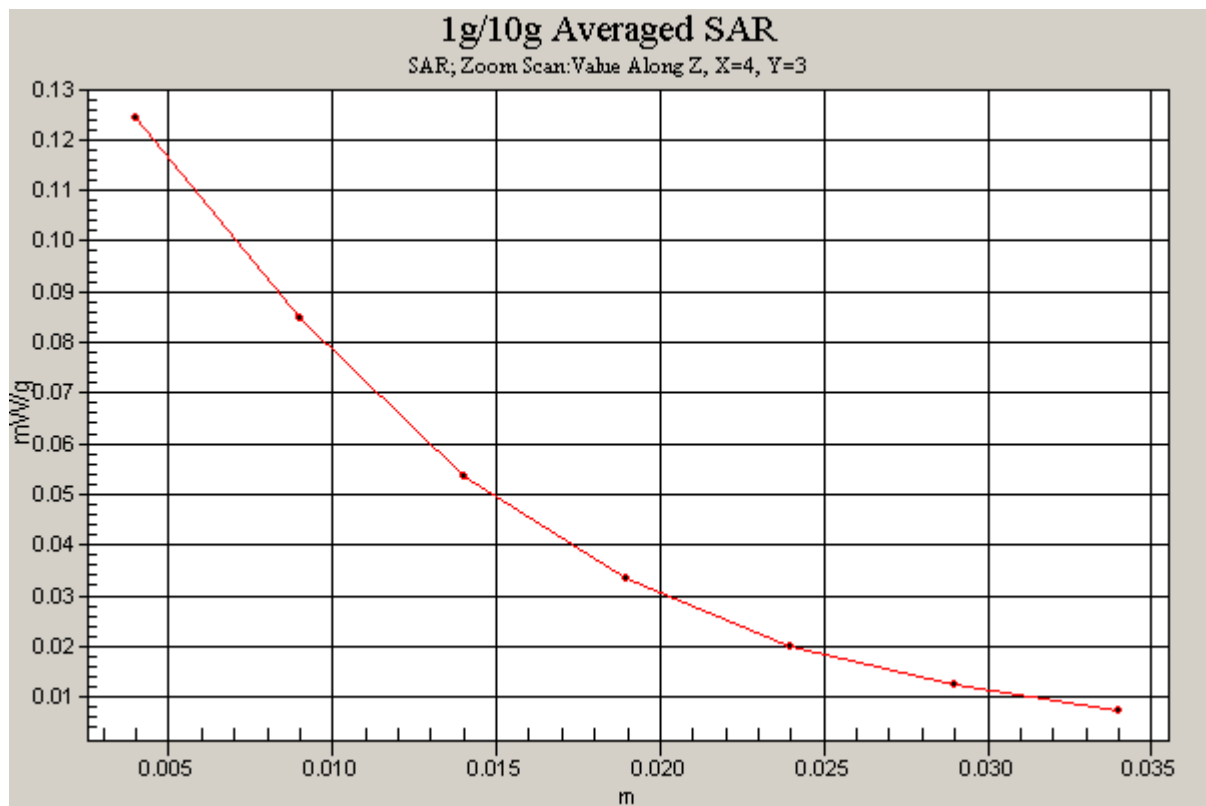


Figure 71 Z-Scan at power reference point (Left Hand Tilt 15° Close GSM 1900 Channel 512)

GSM 1900 Right Cheek High Close

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

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(5.15, 5.15, 5.15);

Electronics: DAE4 Sn452;

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

Maximum value of SAR (interpolated) = 0.286 mW/g

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

Reference Value = 7.68 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.338 W/kg

SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.272 mW/g

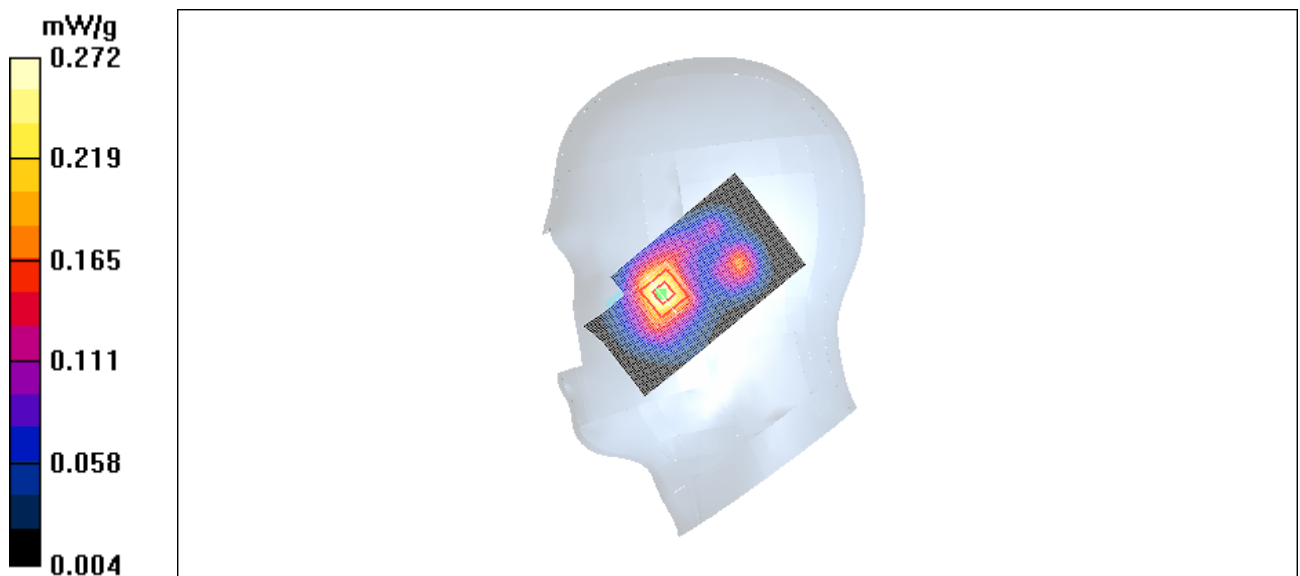


Figure 72 Right Hand Touch Cheek Close GSM 1900 Channel 810

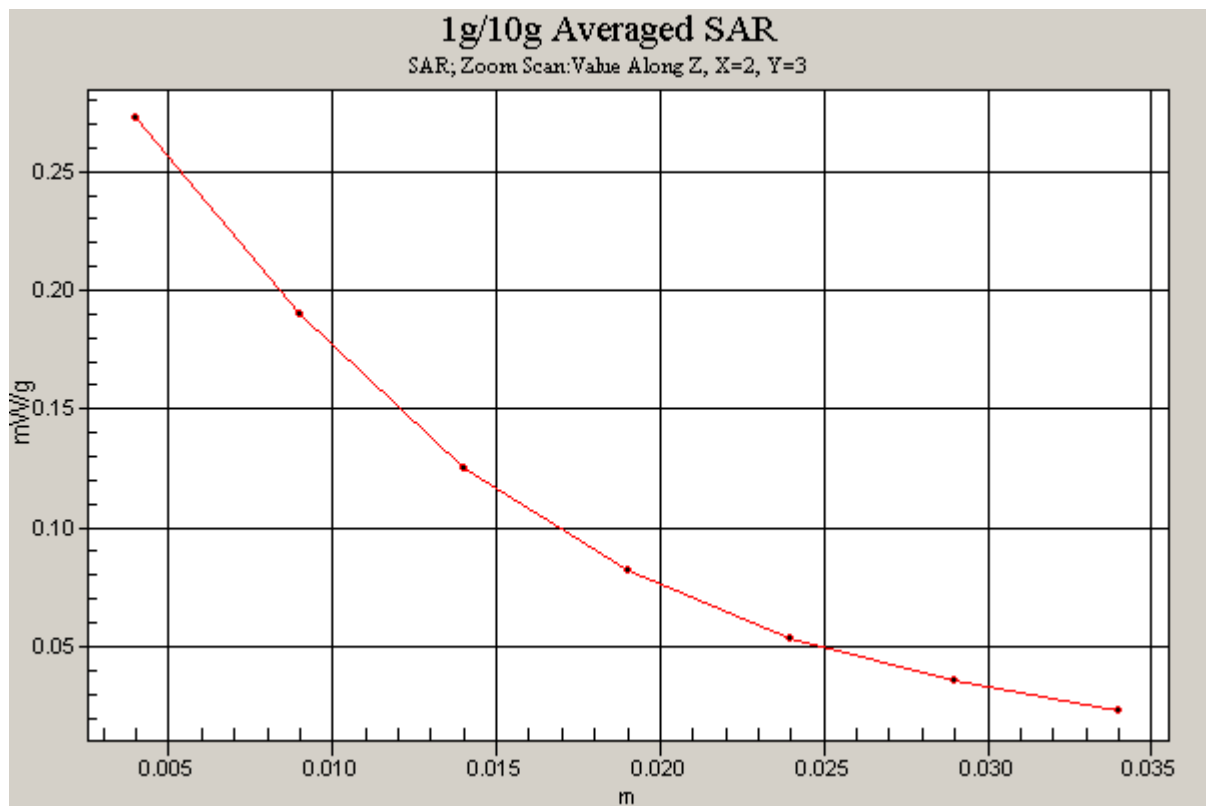


Figure 73 Z-Scan at power reference point (Right Hand Touch Cheek Close GSM 1900 Channel 810)

GSM 1900 Right Cheek Middle Close

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(5.15, 5.15, 5.15);

Electronics: DAE4 Sn452;

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

Maximum value of SAR (interpolated) = 0.262 mW/g

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

Reference Value = 8.41 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.339 W/kg

SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR (measured) = 0.273 mW/g

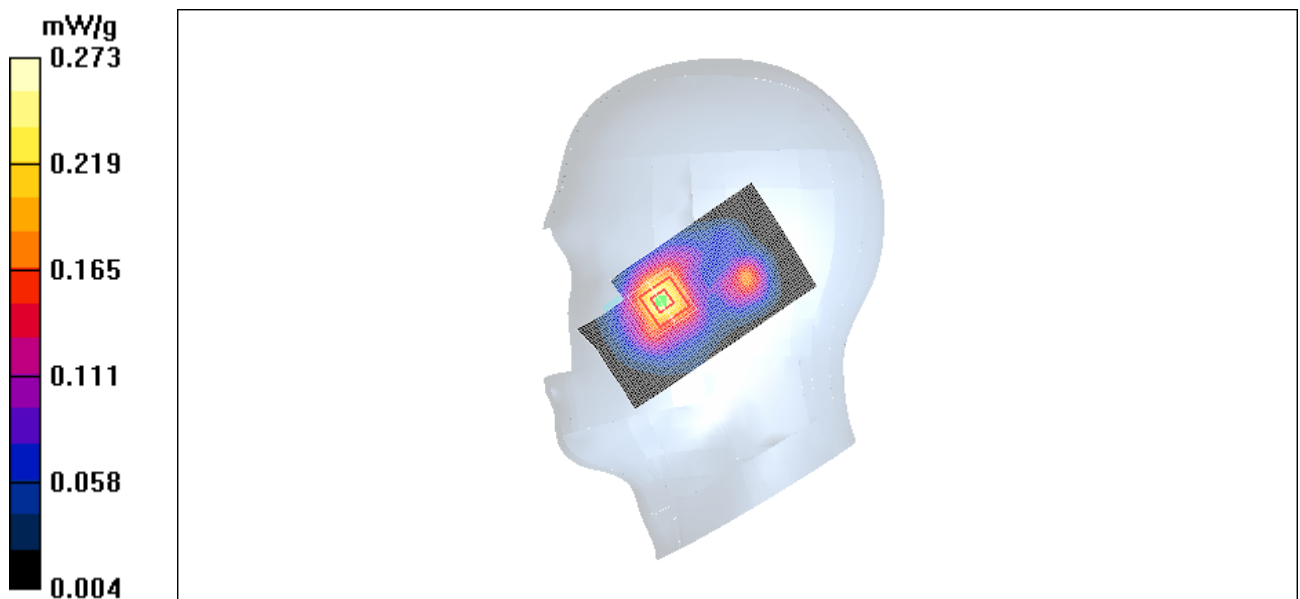


Figure 74 Right Hand Touch Cheek Close GSM 1900 Channel 661

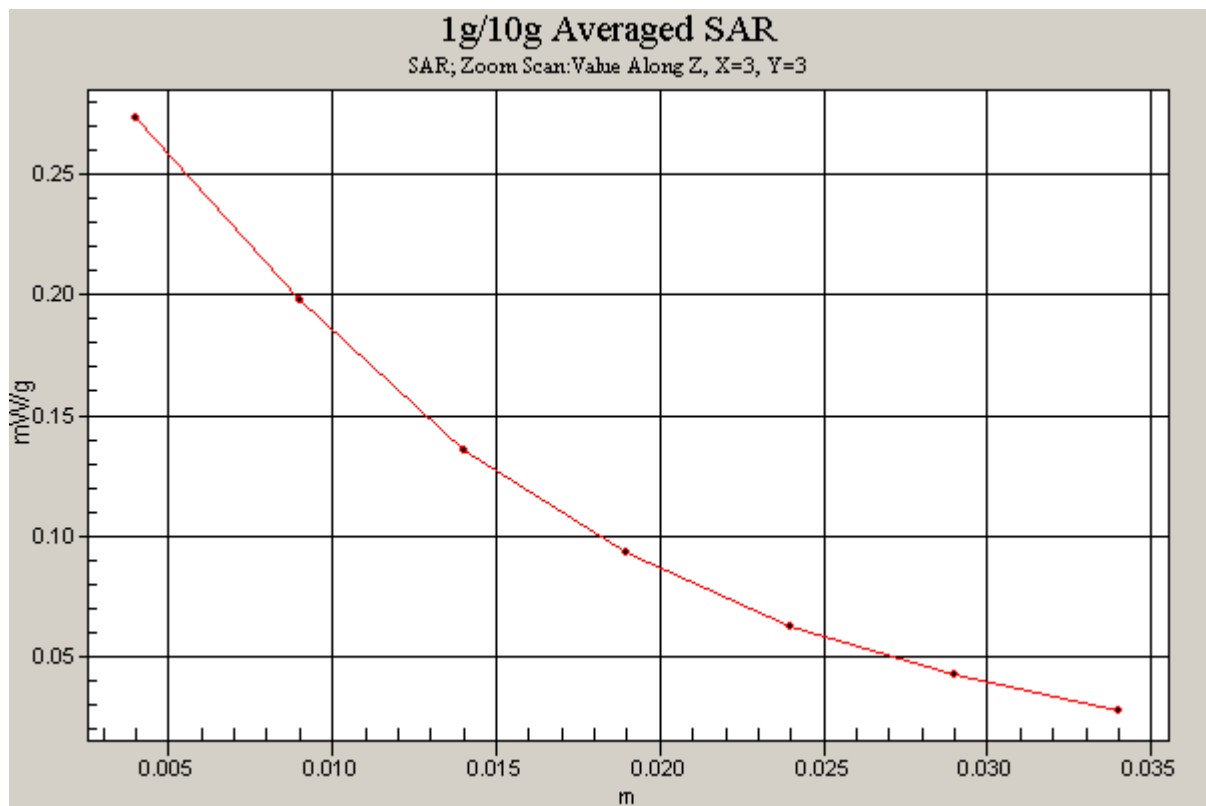


Figure 75 Z-Scan at power reference point (Right Hand Touch Cheek Close GSM 1900 Channel 661)

GSM 1900 Right Cheek Low Close

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(5.15, 5.15, 5.15);

Electronics: DAE4 Sn452;

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

Maximum value of SAR (interpolated) = 0.233 mW/g

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

Reference Value = 7.62 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.292 W/kg

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

Maximum value of SAR (measured) = 0.240 mW/g

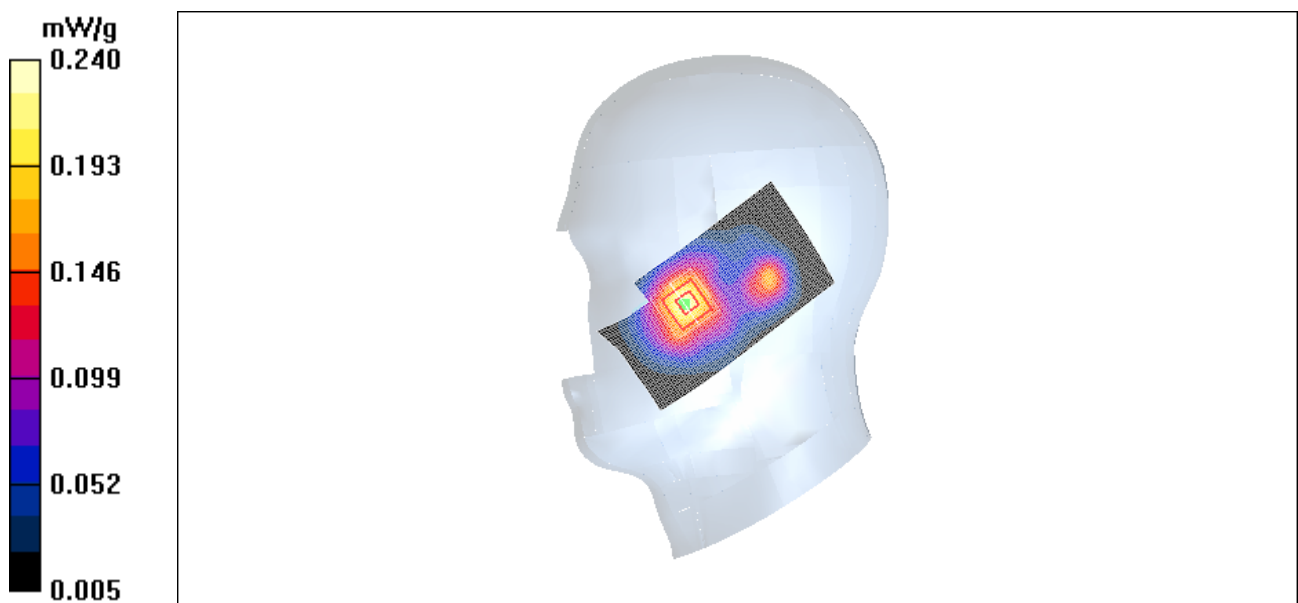


Figure 76 Right Hand Touch Cheek Close GSM 1900 Channel 512

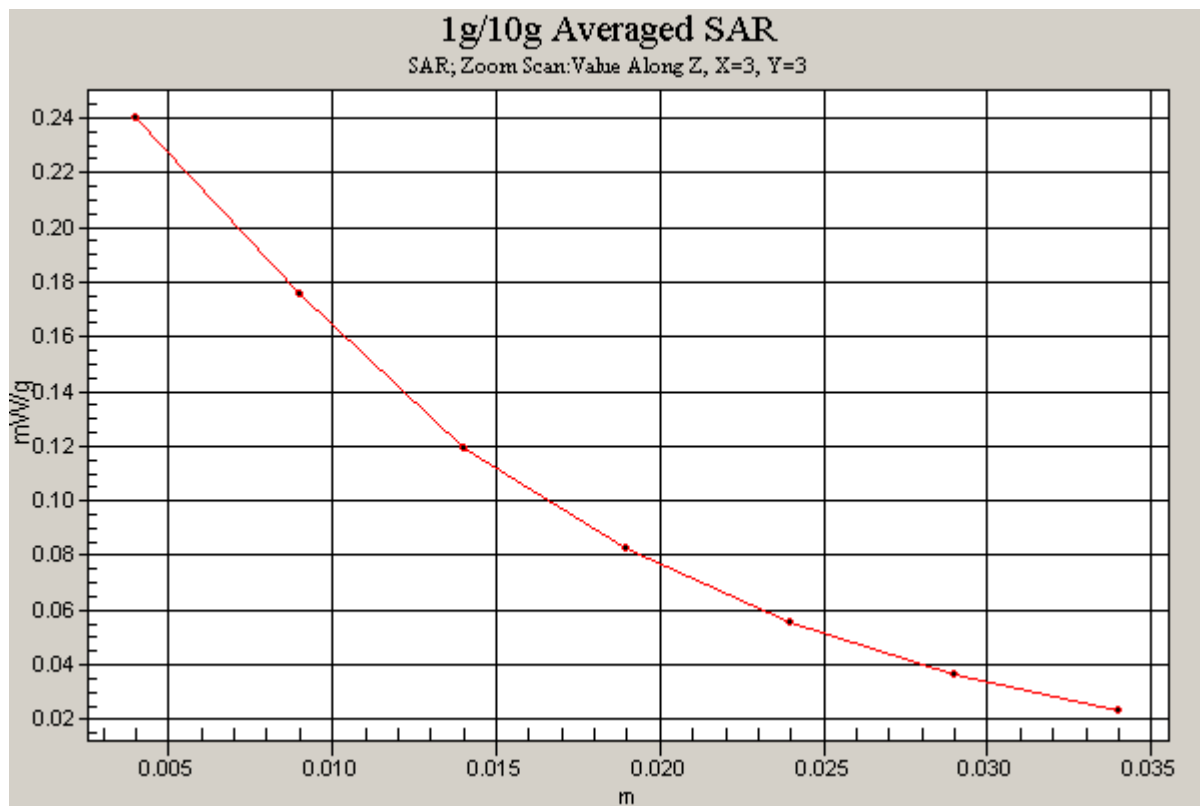


Figure 77 Z-Scan at power reference point (Right Hand Touch Cheek Close GSM 1900 Channel 512)

GSM 1900 Right Tilt High Close

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

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(5.15, 5.15, 5.15);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 9.65 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.238 W/kg

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.182 mW/g

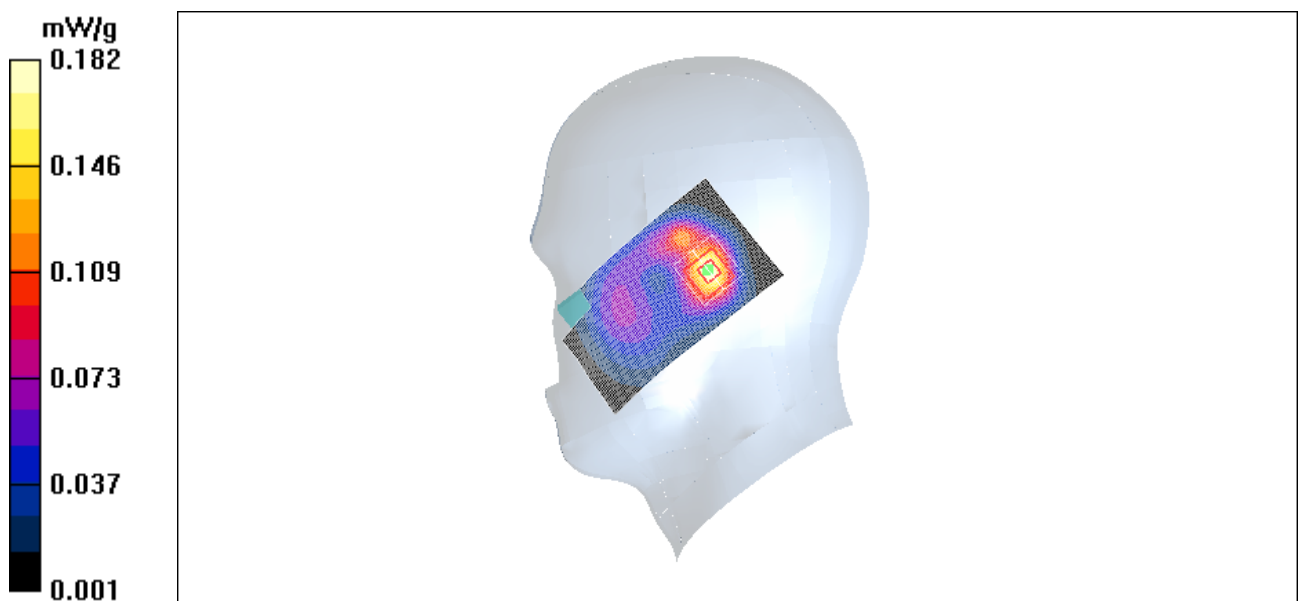


Figure 78 Right Hand Tilt 15° Close GSM 1900 Channel 810

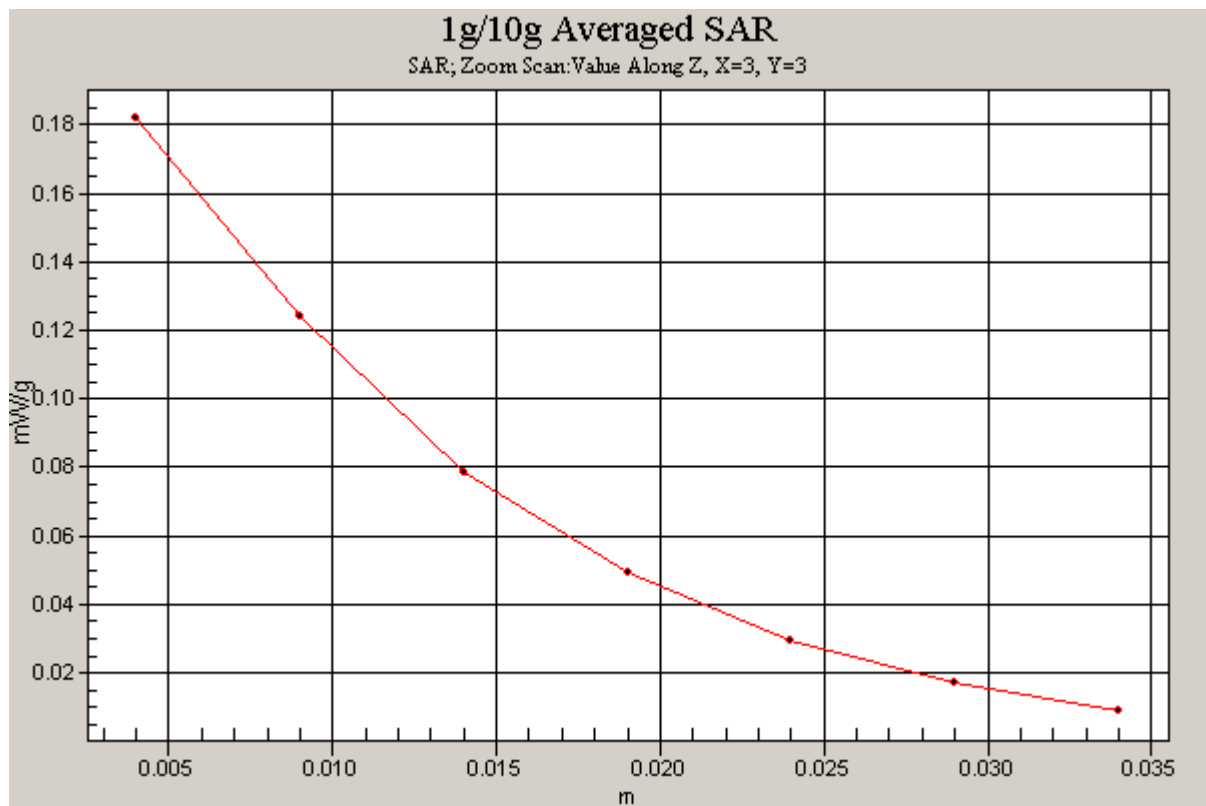


Figure 79 Z-Scan at power reference point (Right Hand Tilt 15° Close GSM 1900 Channel 810)

GSM 1900 Right Tilt Middle Close

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(5.15, 5.15, 5.15);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 8.91 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 0.207 W/kg

SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.156 mW/g

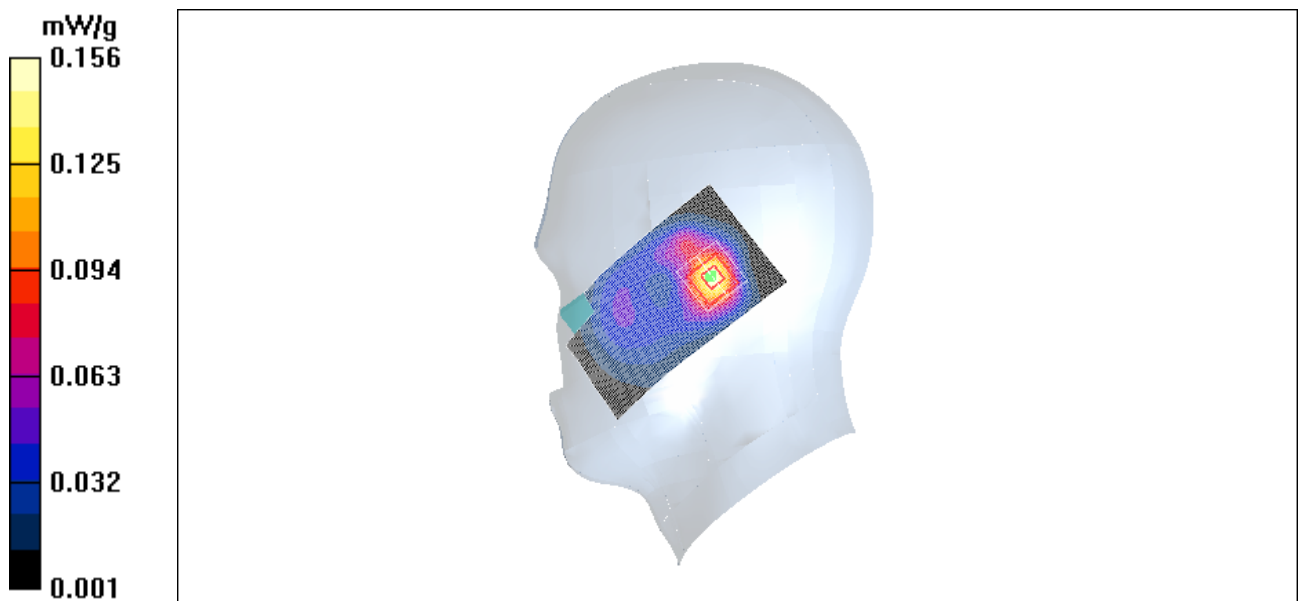


Figure 80 Right Hand Tilt 15° Close GSM 1900 Channel 661

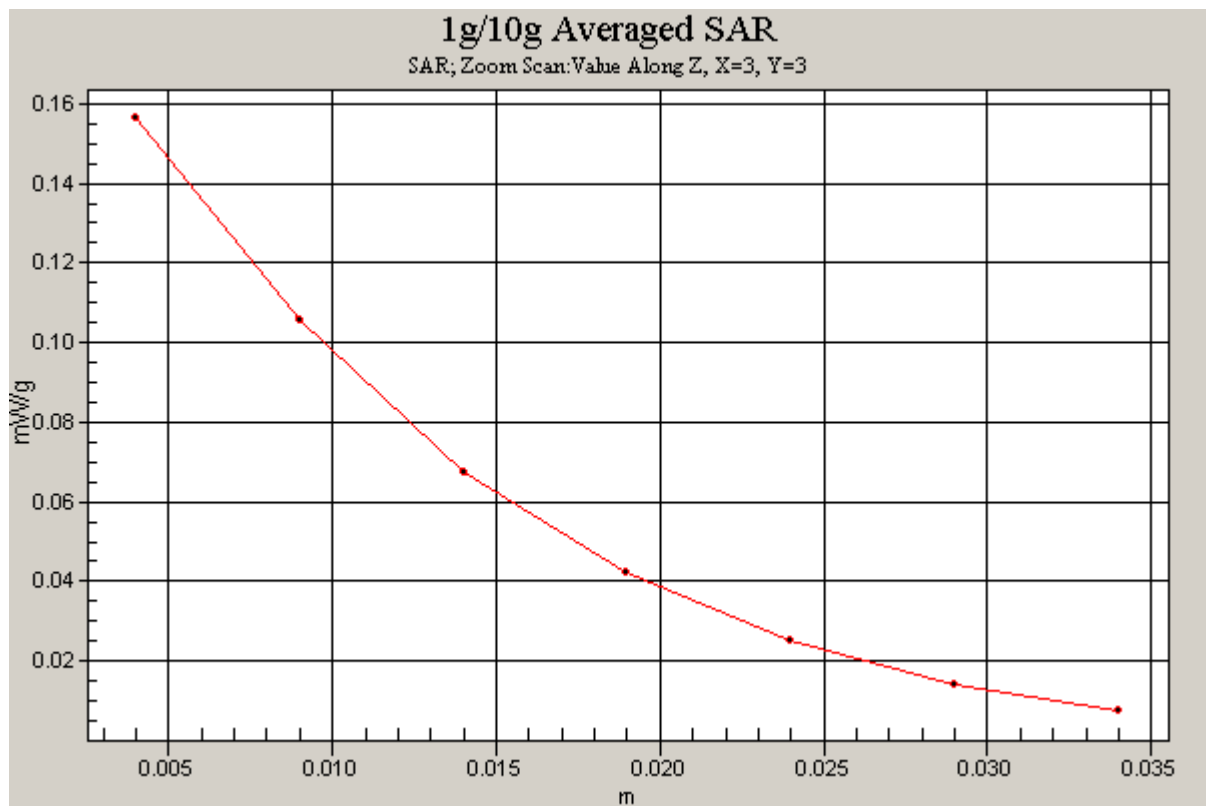


Figure 81 Z-Scan at power reference point (Right Hand Tilt 15° Close GSM 1900 Channel 661)

GSM 1900 Right Tilt Low Close

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(5.15, 5.15, 5.15);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 8.35 V/m; Power Drift = 0.006 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.072 mW/g

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

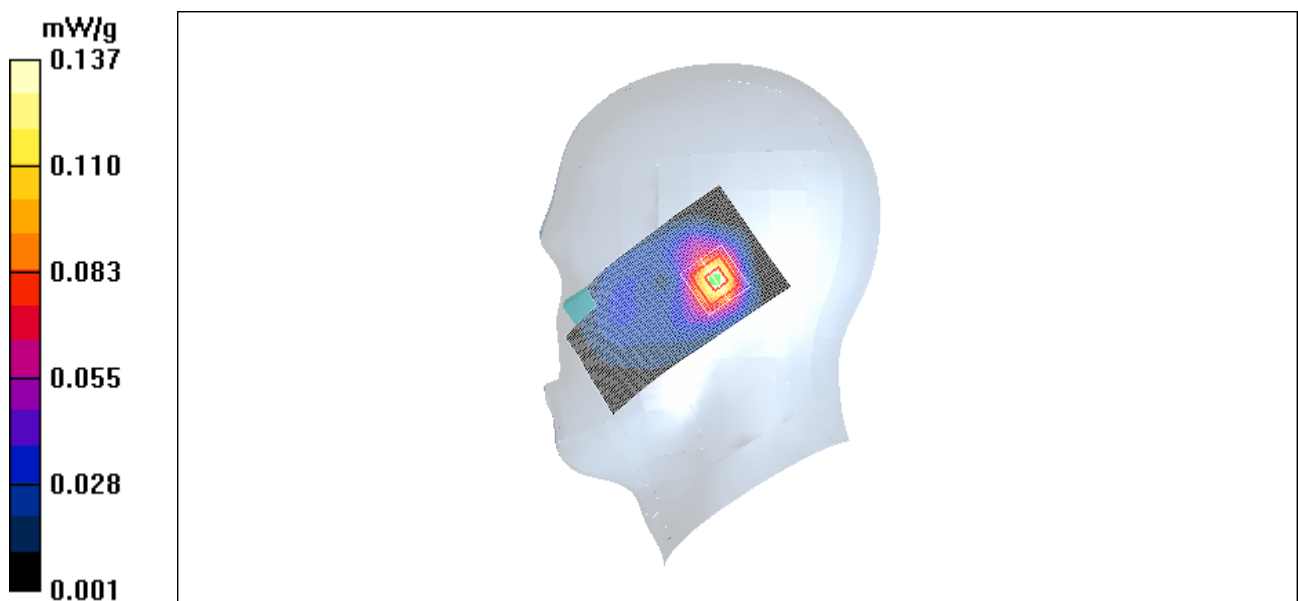


Figure 82 Right Hand Tilt 15° Close GSM 1900 Channel 512

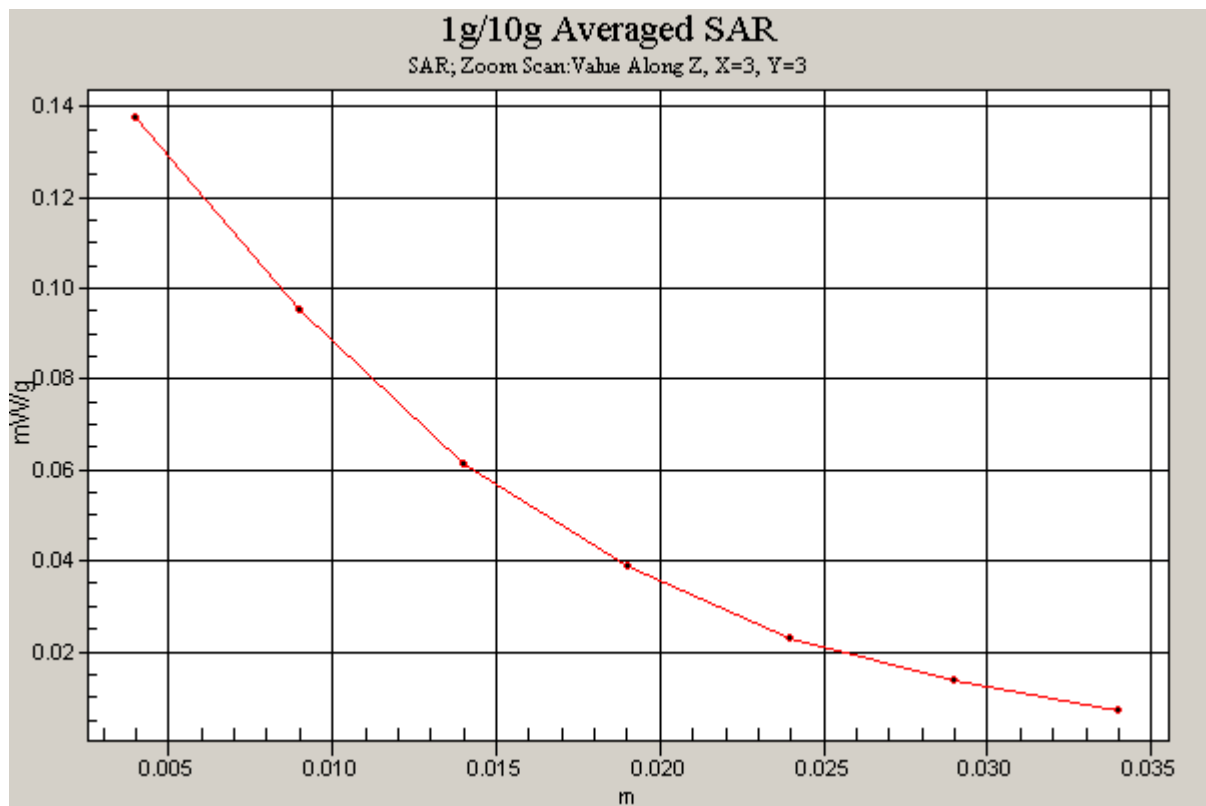


Figure 83 Z-Scan at power reference point (Right Hand Tilt 15° Close GSM 1900 Channel 512)

GSM 1900 Towards Ground High Close

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

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

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

Maximum value of SAR (interpolated) = 0.545 mW/g

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

Reference Value = 4.99 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.738 W/kg

SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.290 mW/g

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

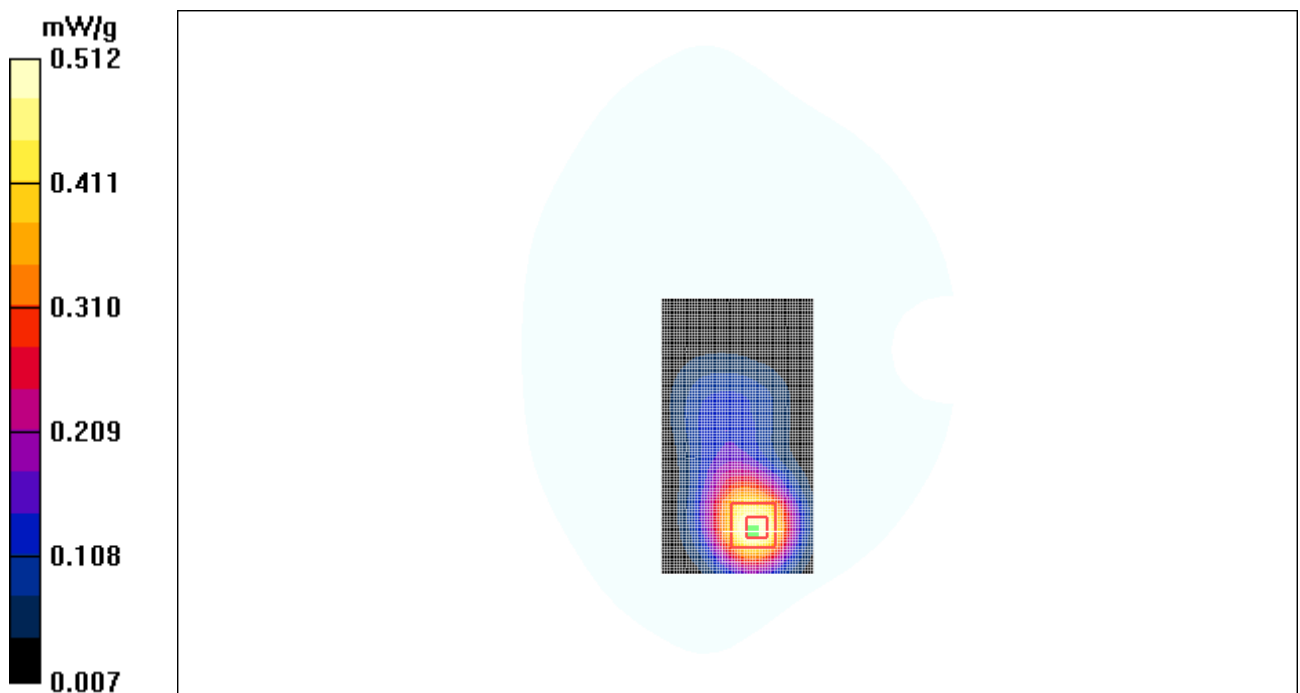


Figure 84 Body, Towards Ground, Close GSM 1900 Channel 810

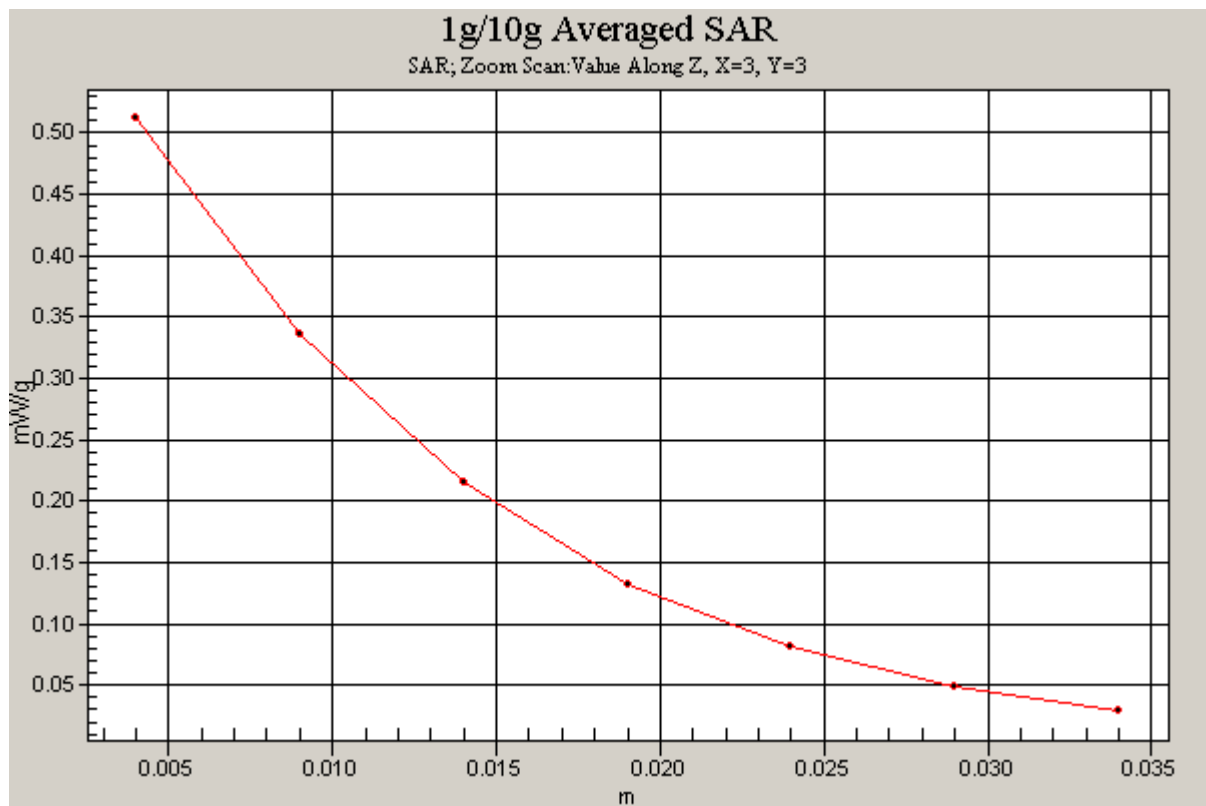


Figure 85 Z-Scan at power reference point (Body, Towards Ground, Close GSM 1900 Channel 810)

GSM 1900 Towards Ground Middle Close

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

Maximum value of SAR (interpolated) = 0.488 mW/g

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

Reference Value = 5.40 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.657 W/kg

SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.256 mW/g

Maximum value of SAR (measured) = 0.453 mW/g

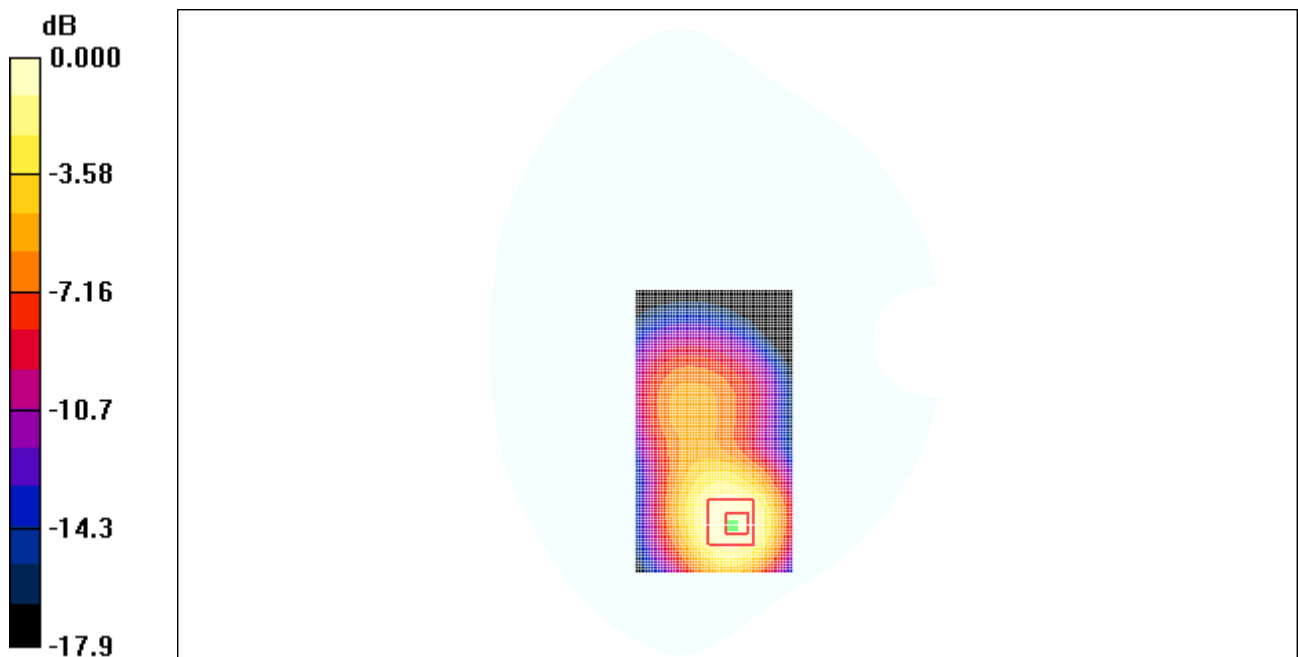


Figure 86 Body, Towards Ground, Close GSM 1900 Channel 661

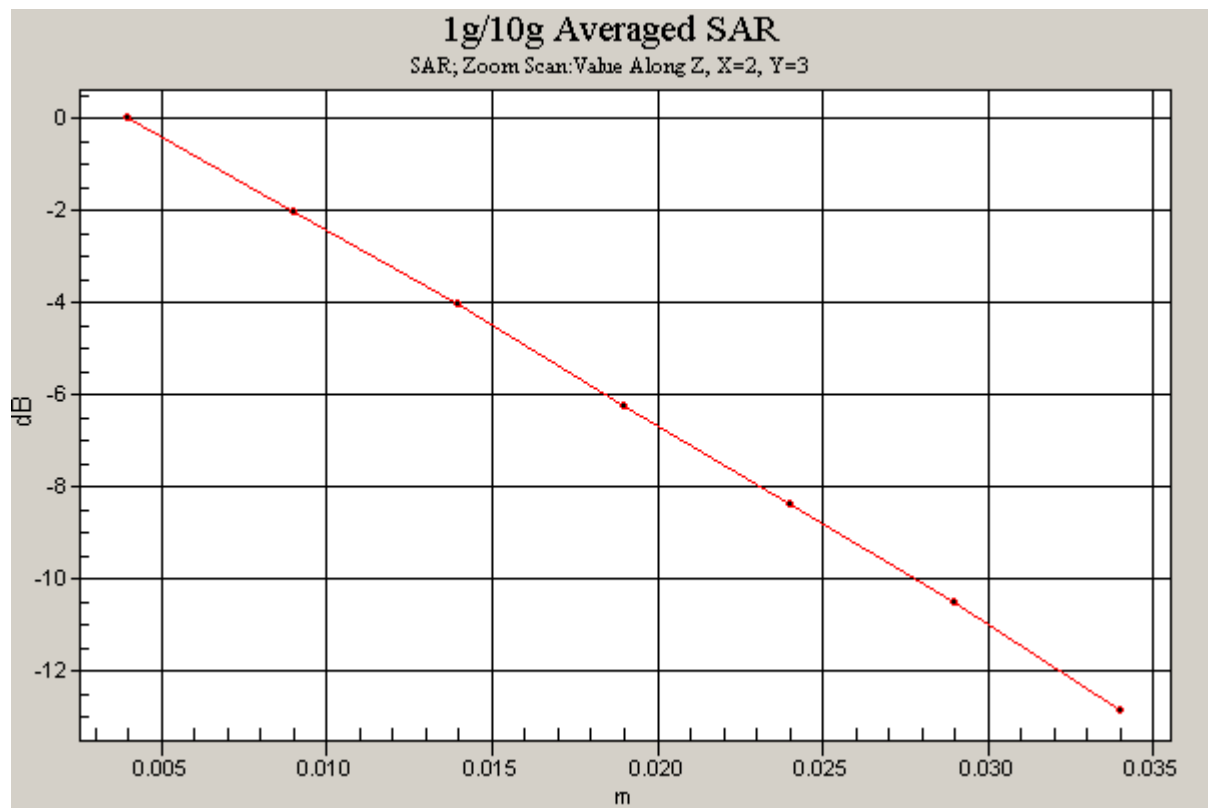


Figure 87 Z-Scan at power reference point (Body, Towards Ground, Close GSM 1900 Channel 661)

GSM 1900 Towards Ground Low Close

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 5.22 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.483 W/kg

SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR (measured) = 0.335 mW/g

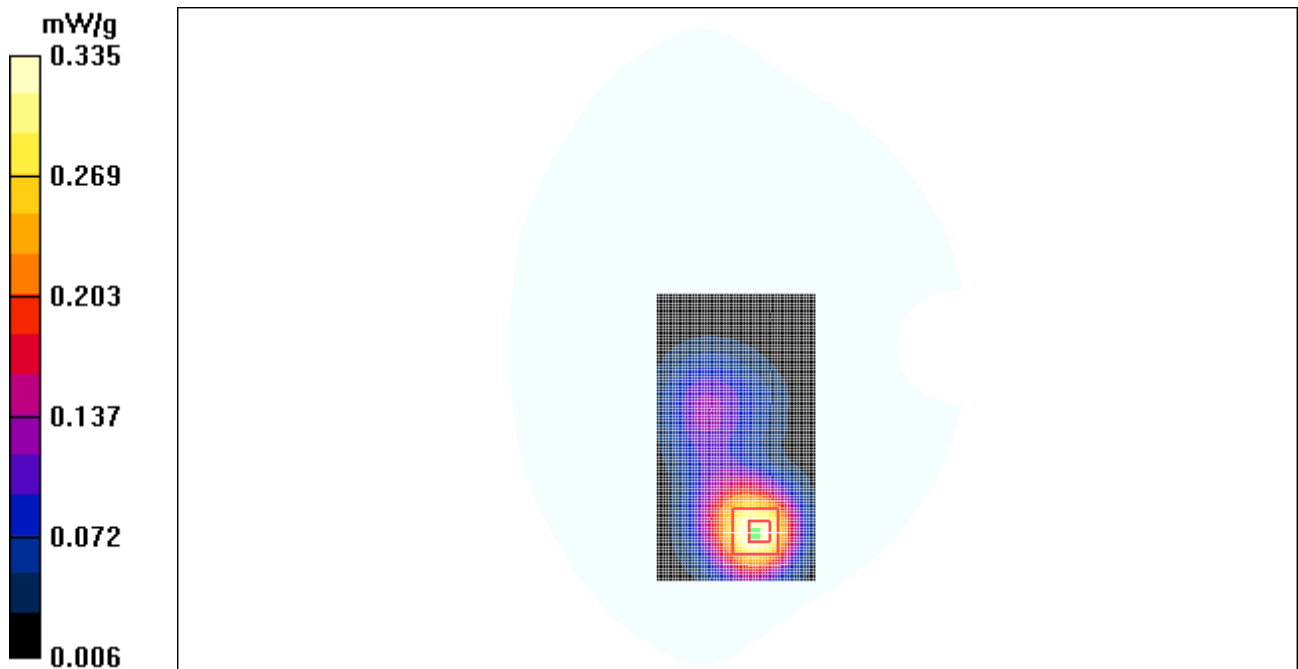


Figure 88 Body, Towards Ground, Close GSM 1900 Channel 512

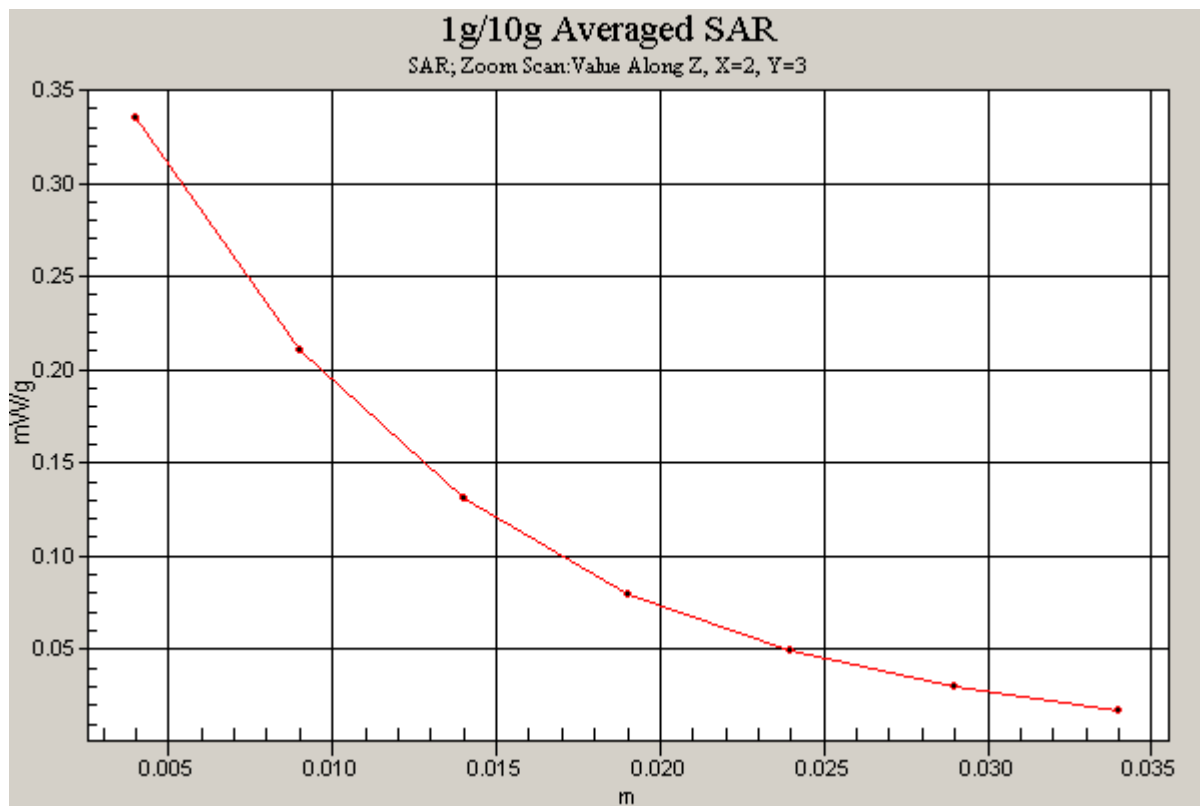


Figure 89 Z-Scan at power reference point (Body, Towards Ground, Close GSM 1900 Channel 512)

GSM 1900 Towards Phantom High Close

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

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

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 5.21 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.135 W/kg

SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.054 mW/g

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

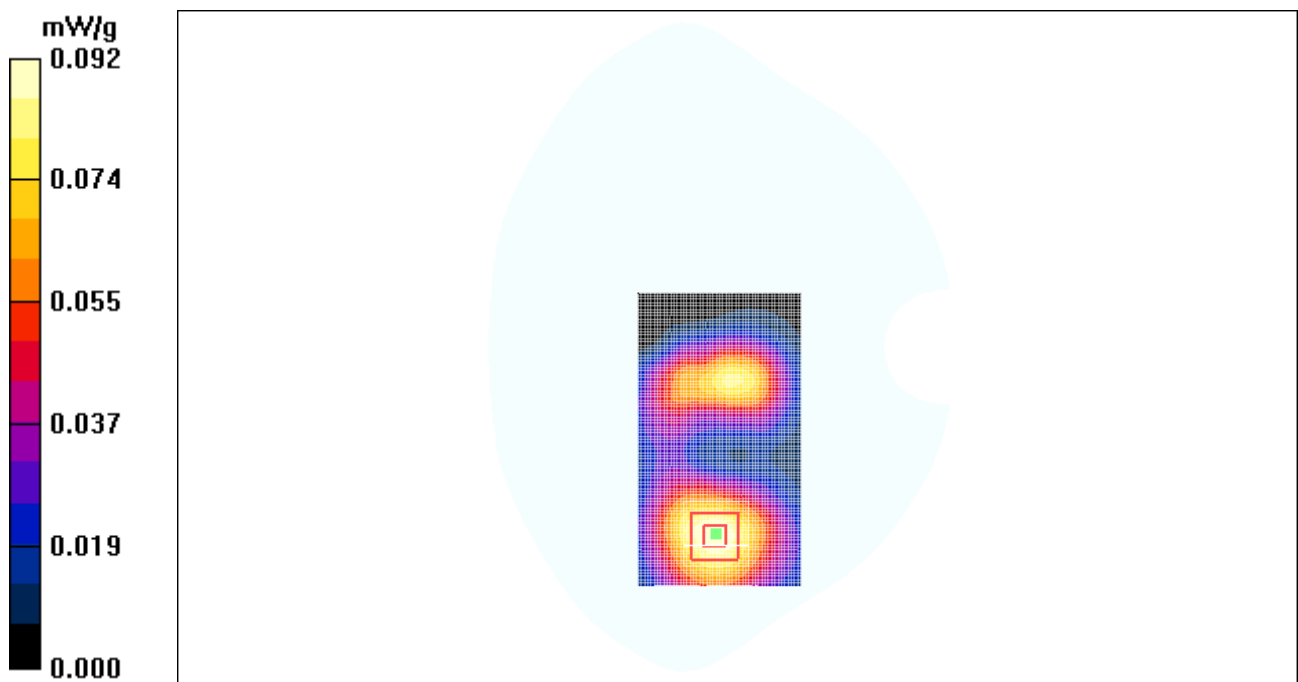


Figure 90 Body, Towards Phantom, Close GSM 1900 Channel 810

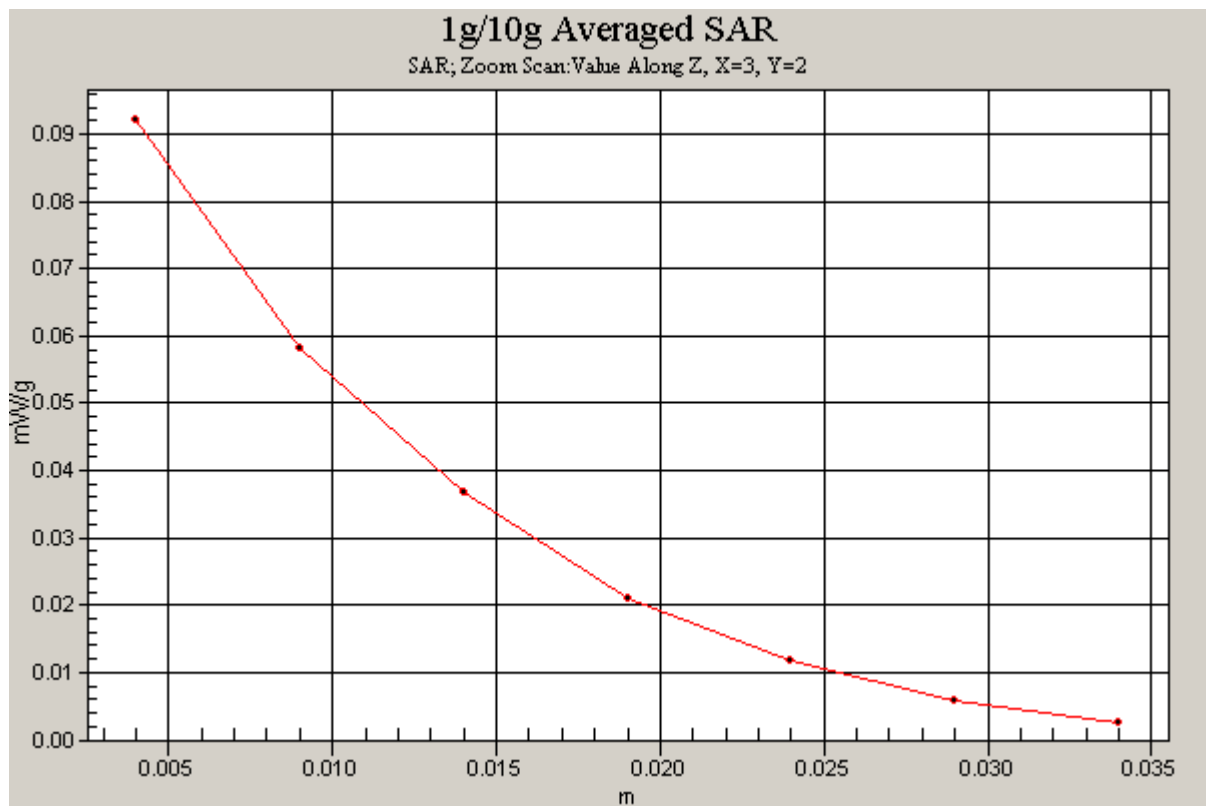


Figure 91 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 1900 Channel 810)

GSM 1900 Towards Phantom Middle Close

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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 = 5.74 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 0.144 W/kg

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.055 mW/g

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

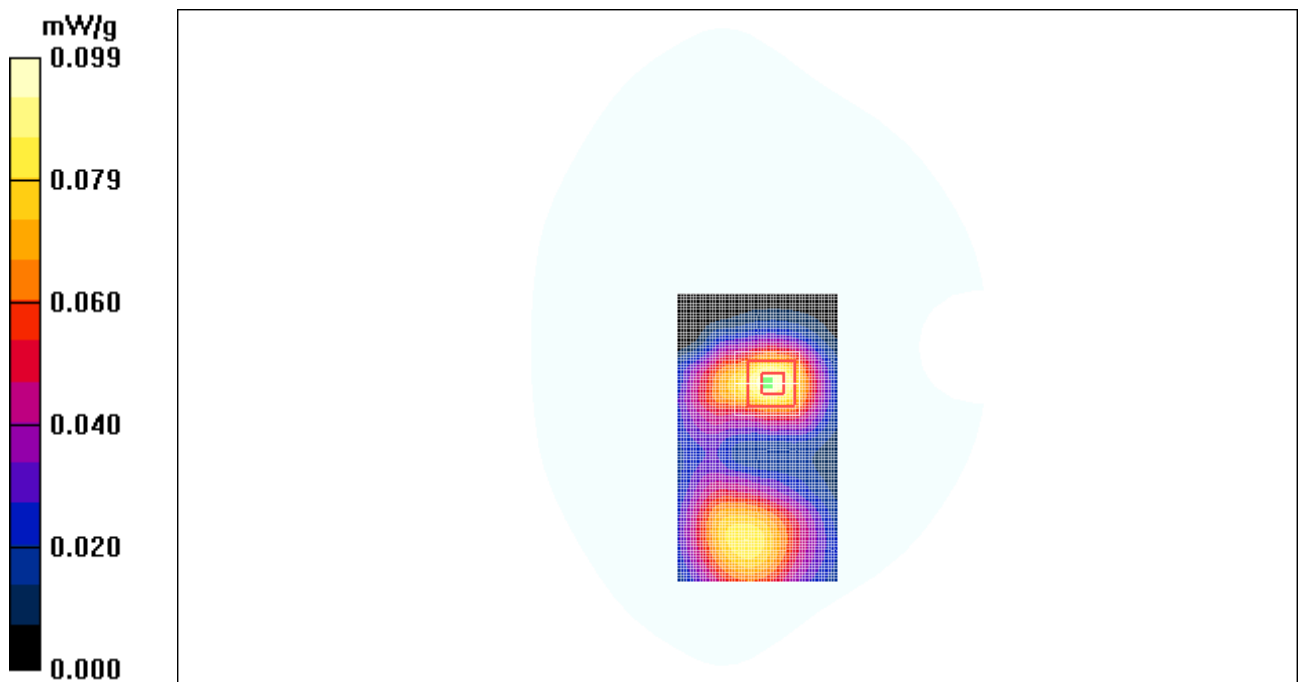


Figure 92 Body, Towards Phantom, Close GSM 1900 Channel 661

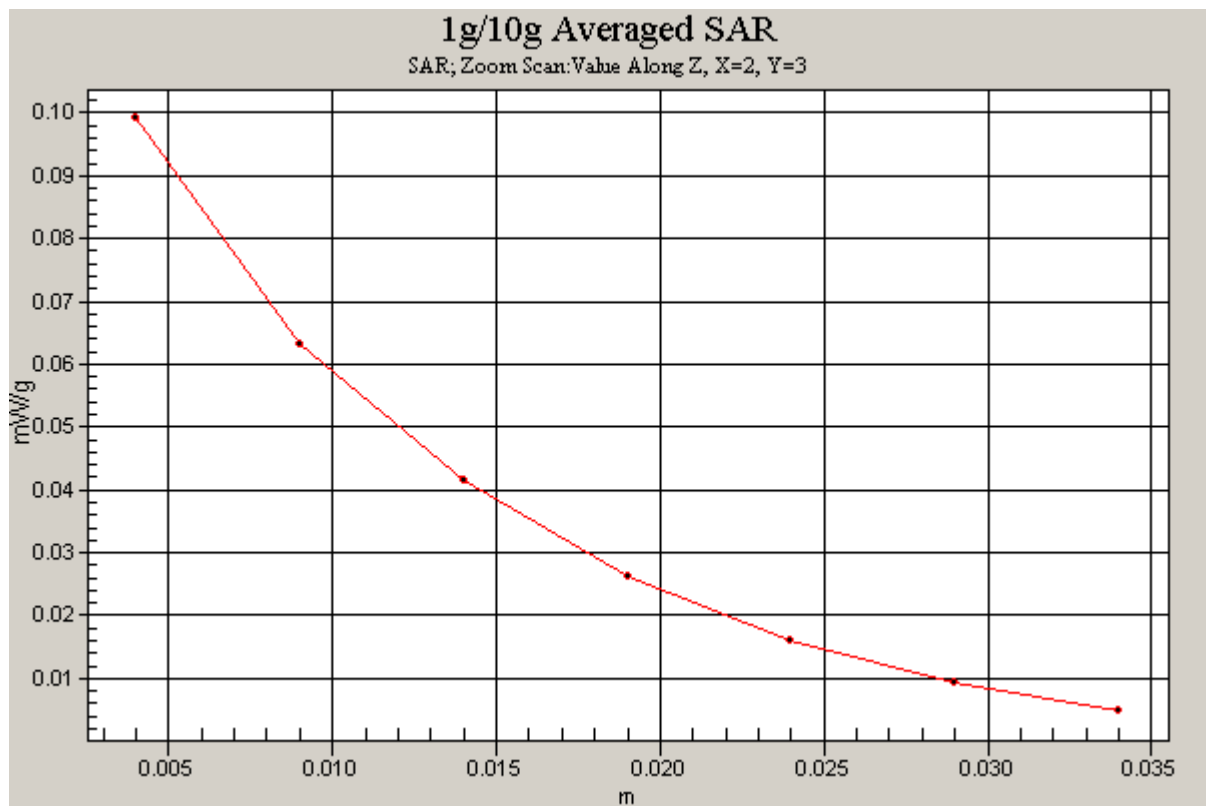


Figure 93 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 1900 Channel 661)

GSM 1900 Towards Phantom Low Close

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 5.83 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.057 mW/g

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

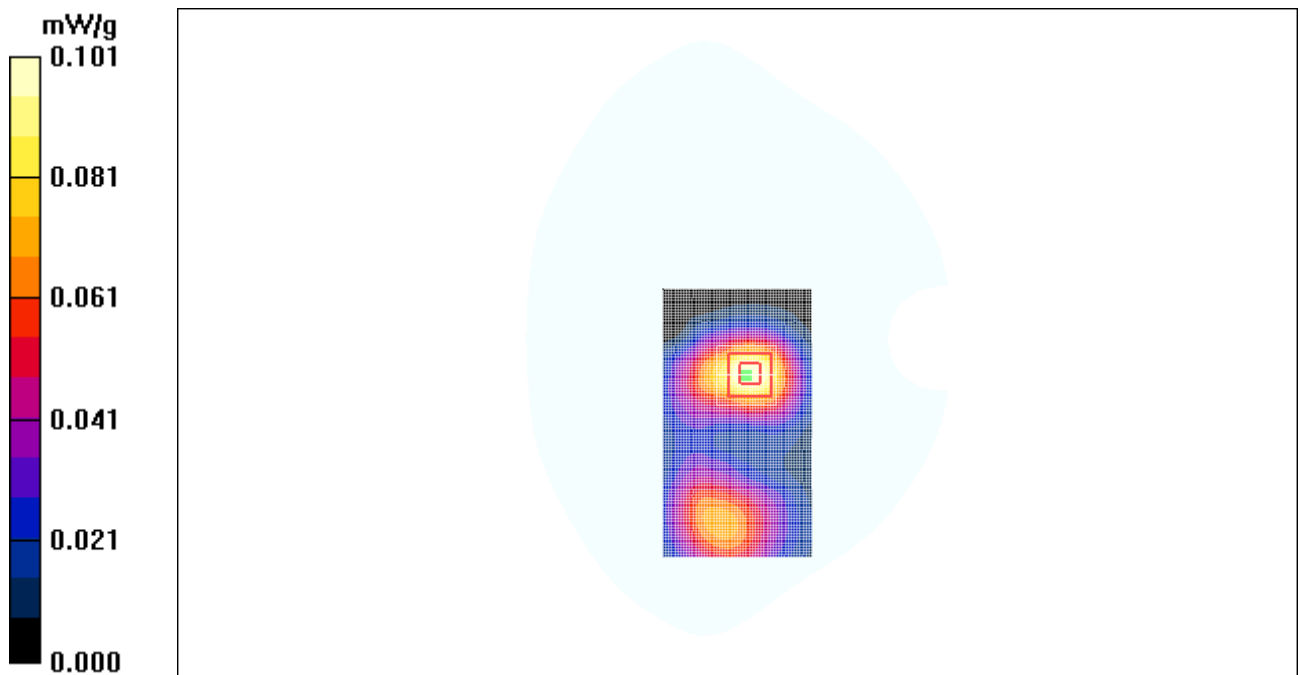


Figure 94 Body, Towards Phantom, Close GSM 1900 Channel 512

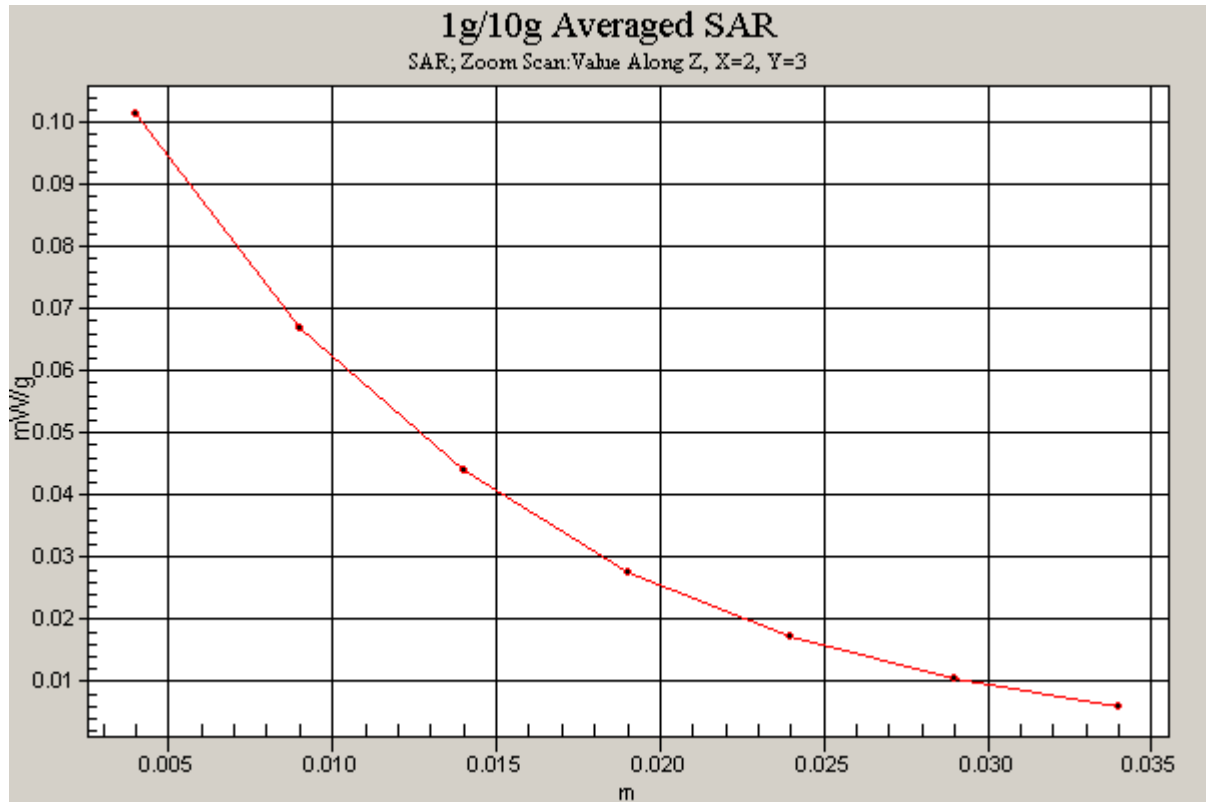


Figure 95 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 1900 Channel 512)

GSM 1900 Earphone Towards Ground High Close

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

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

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

Maximum value of SAR (interpolated) = 0.371 mW/g

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

Reference Value = 5.86 V/m; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.198 mW/g

Maximum value of SAR (measured) = 0.362 mW/g

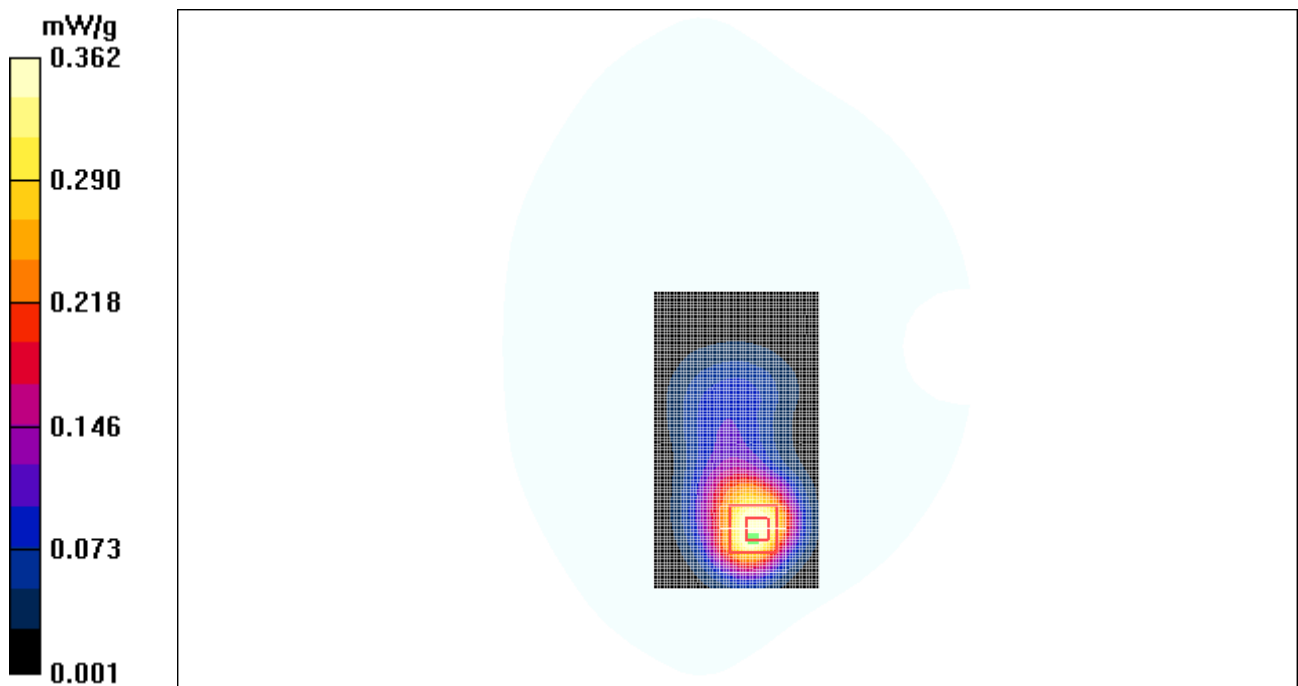


Figure 96 Body with Earphone, Towards Ground, Close GSM 1900, Channel 810

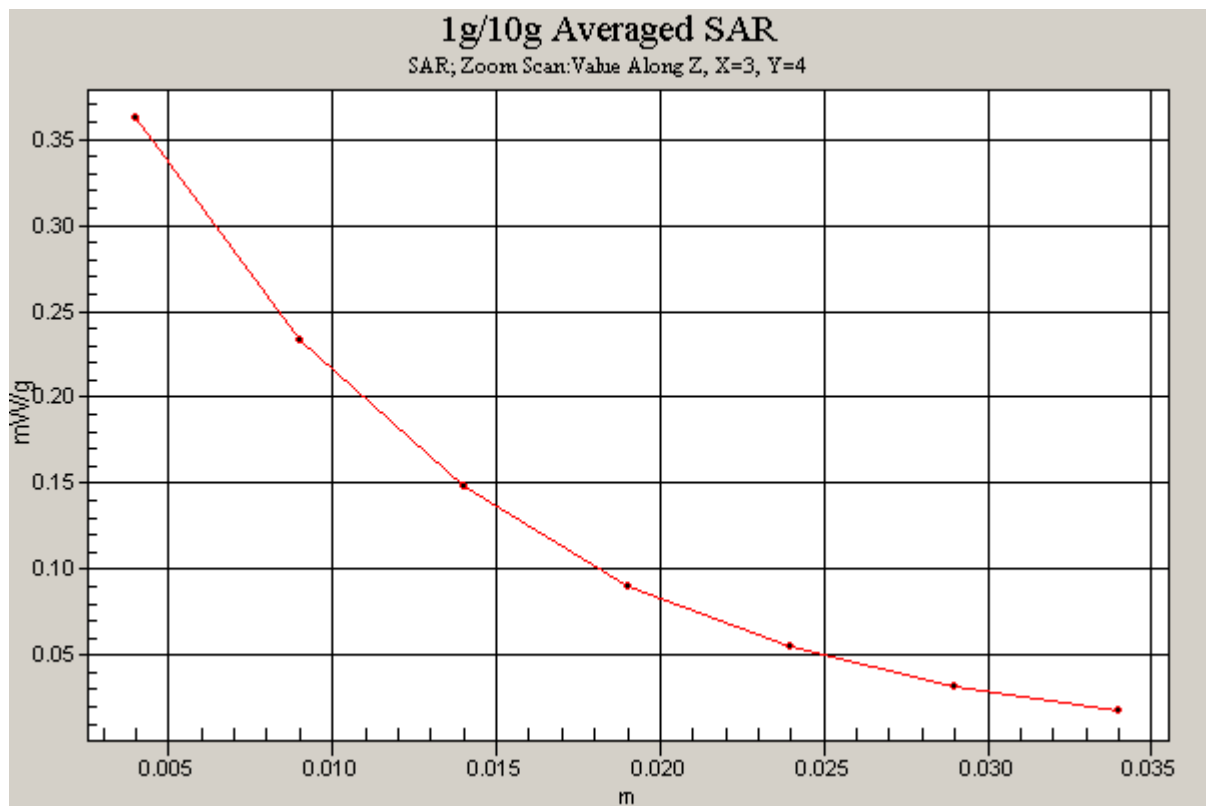


Figure 97 Z-Scan at power reference point (Body with Earphone, Towards Ground, Close GSM 1900, Channel 810)

GSM 1900 Bluetooth Earphone Towards Ground High Close

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

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

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 5.70 V/m; Power Drift = 0.183 dB

Peak SAR (extrapolated) = 0.813 W/kg

SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.313 mW/g

Maximum value of SAR (measured) = 0.556 mW/g

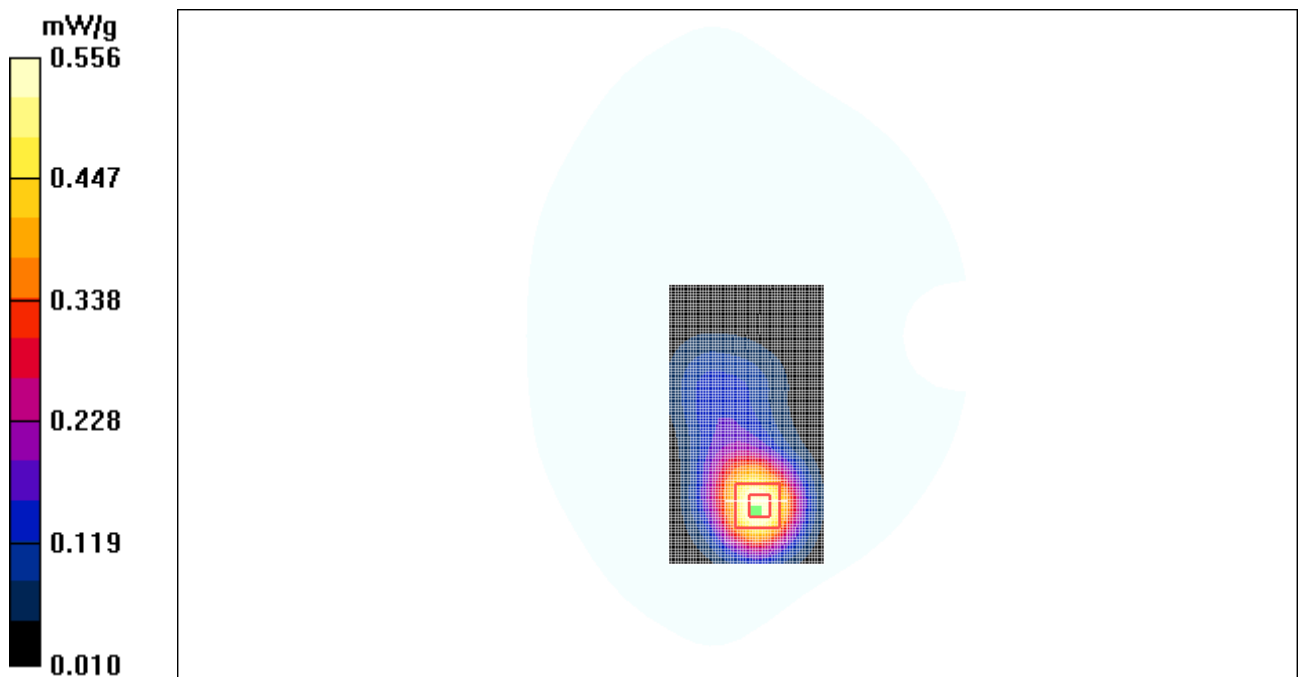


Figure 98 Body with Bluetooth earphone, Towards Ground, Close GSM 1900, Channel 810

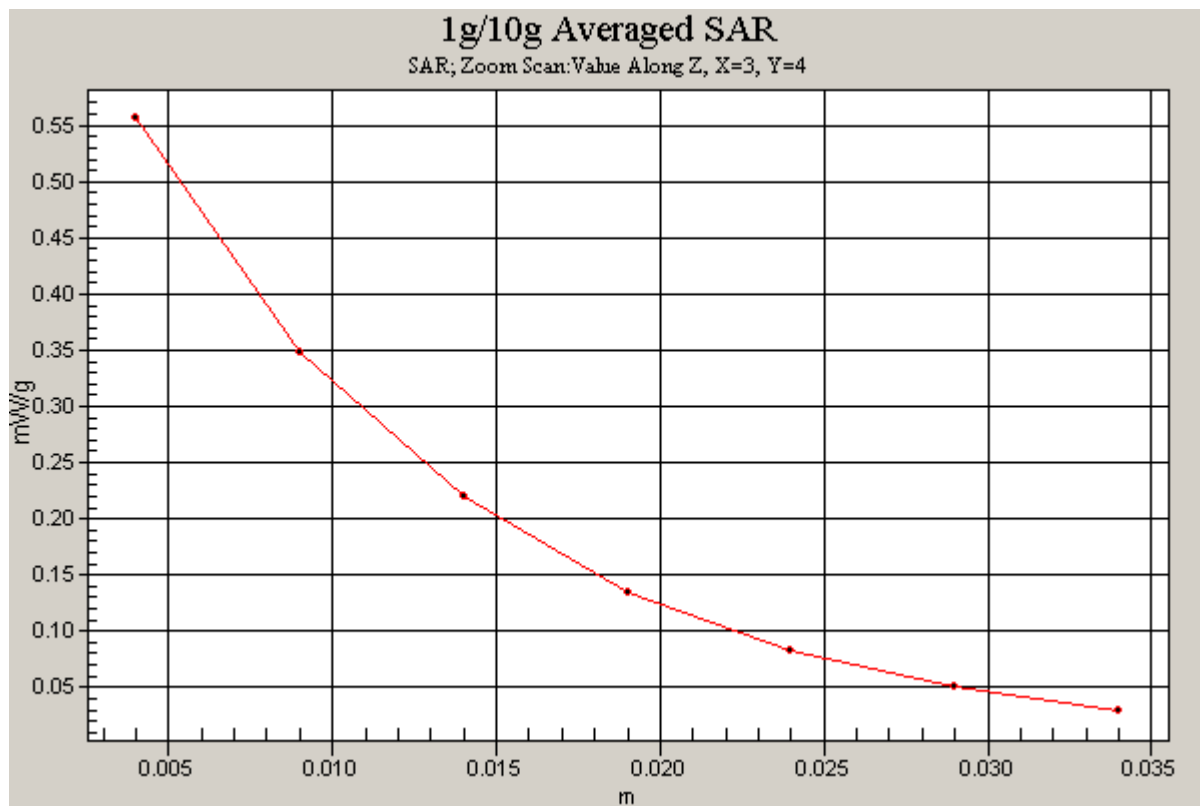


Figure 99 Z-Scan at power reference point (Body with Bluetooth earphone, Towards Ground, Close GSM 1900, Channel 810)

GSM 1900 GPRS Towards Ground High Close

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

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

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 6.91 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 2.50 W/kg

SAR(1 g) = 0.905 mW/g; SAR(10 g) = 0.551 mW/g

Maximum value of SAR (measured) = 0.966 mW/g

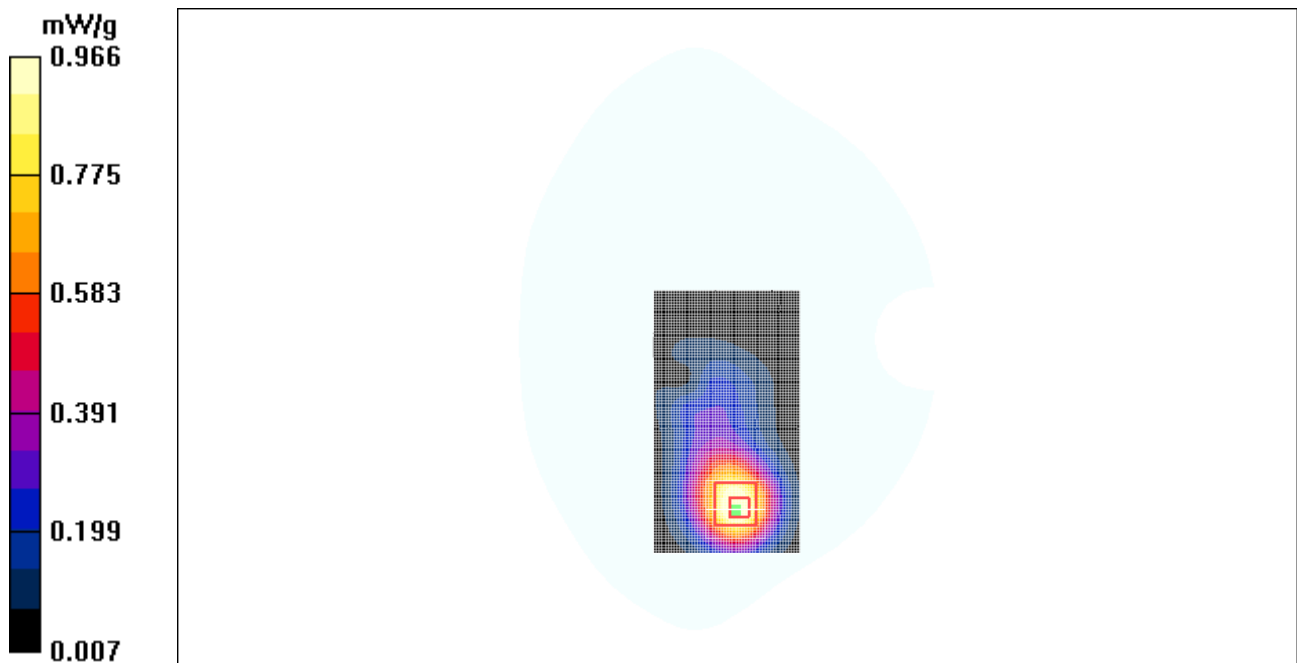


Figure 100 Body, Towards Ground, Close GSM 1900 GPRS, Channel 810

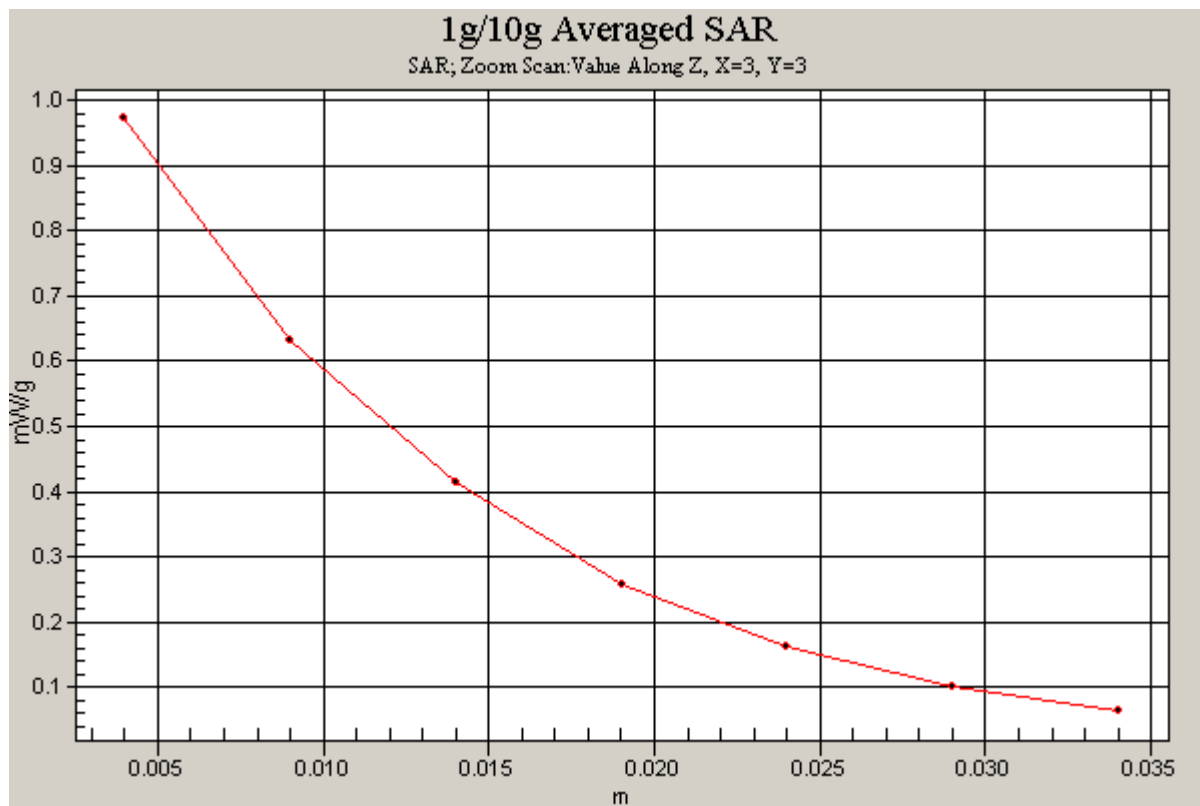


Figure 101 Z-Scan at power reference point (Body, Towards Ground, Close GSM 1900 GPRS, Channel 810)

GSM 1900 GPRS Towards Ground Middle Close

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

Maximum value of SAR (interpolated) = 0.909 mW/g

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

Reference Value = 7.29 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.478 mW/g

Maximum value of SAR (measured) = 0.841 mW/g

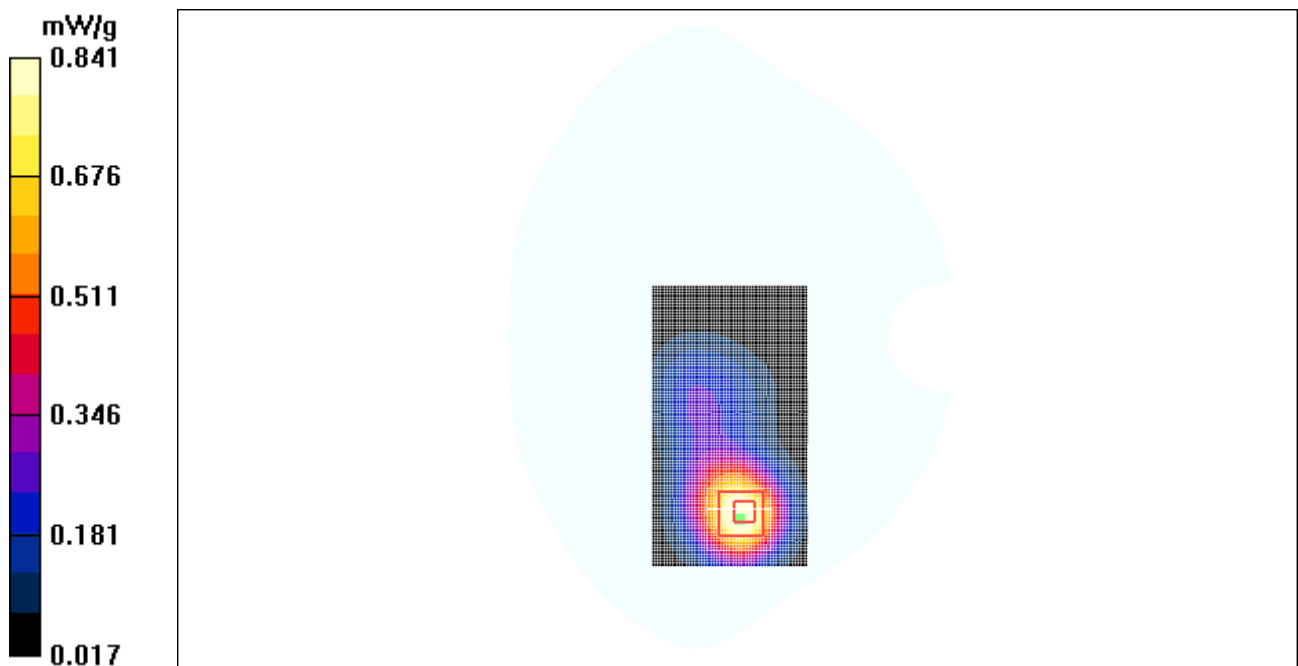


Figure 102 Body, Towards Ground, Close GSM 1900 GPRS Channel 661

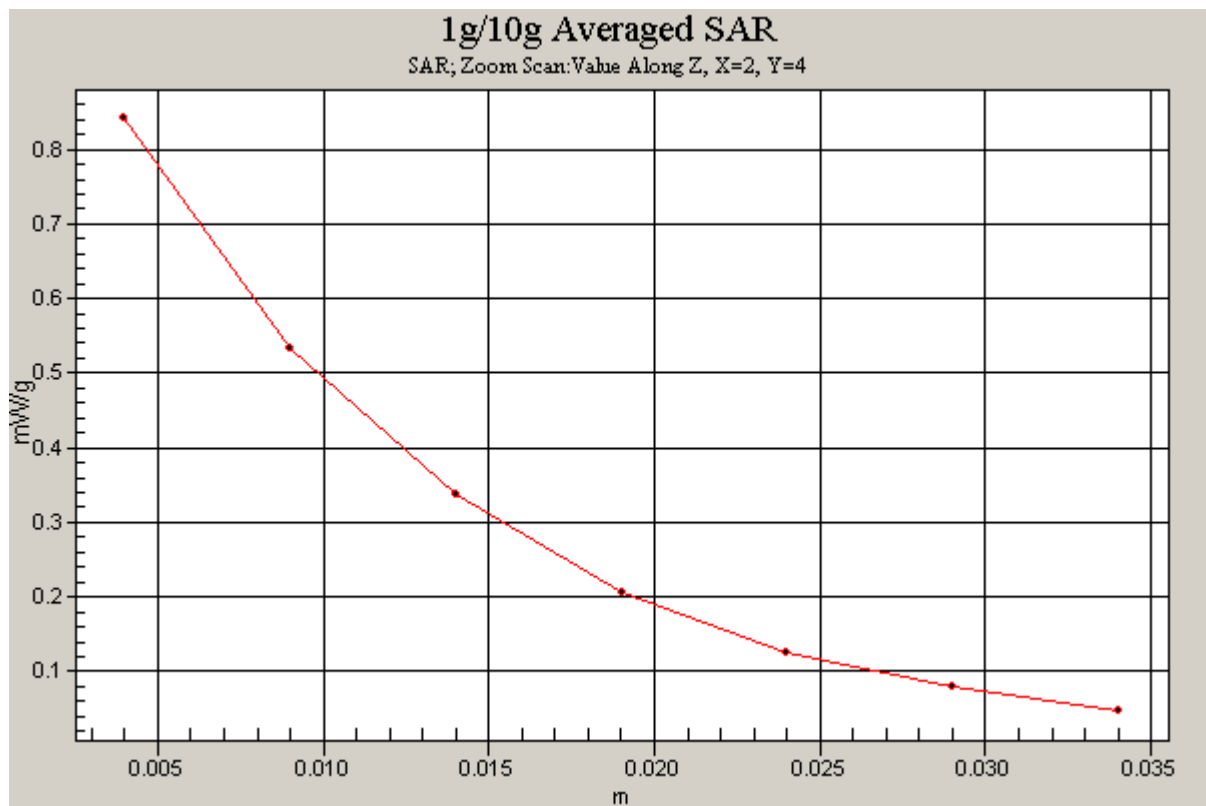


Figure 103 Z-Scan at power reference point (Body, Towards Ground, Close GSM 1900 GPRS Channel 661)

GSM 1900 GPRS Towards Ground Low Close

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

Maximum value of SAR (interpolated) = 0.660 mW/g

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

Reference Value = 7.01 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 0.877 W/kg

SAR(1 g) = 0.563 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.605 mW/g

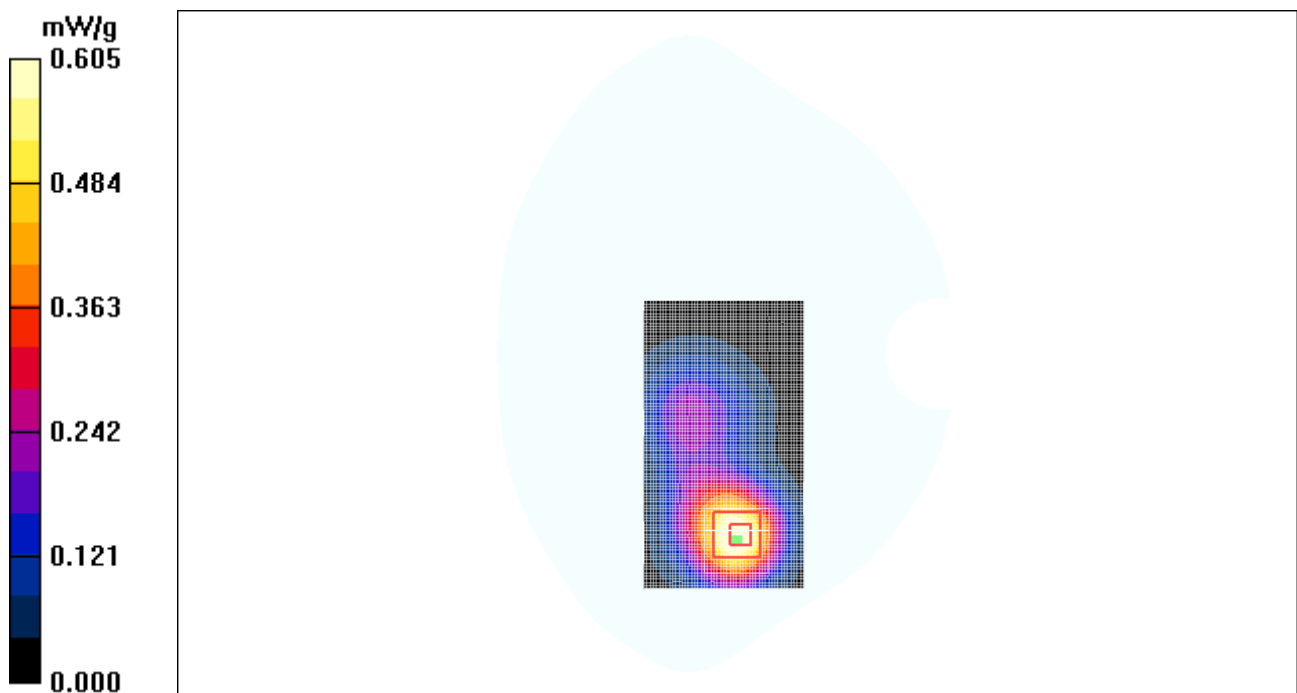


Figure 104 Body, Towards Ground, Close GSM 1900 GPRS Channel 512

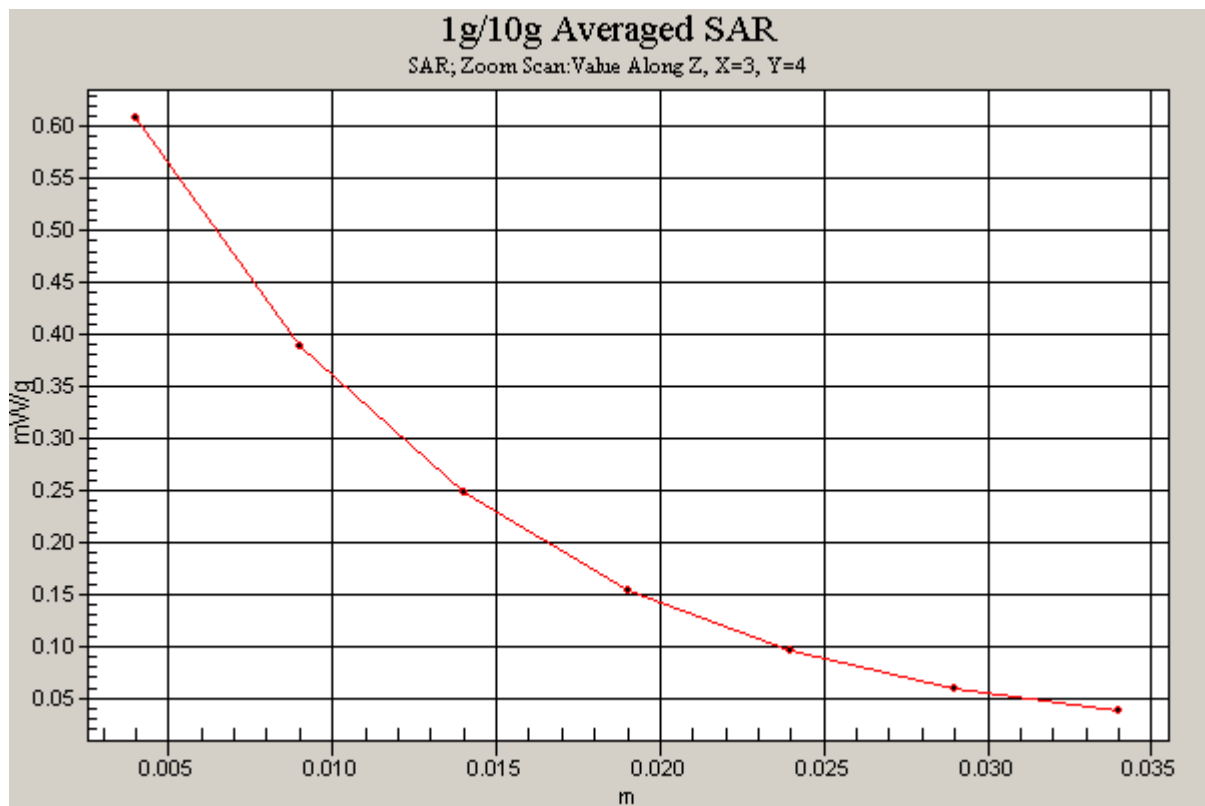


Figure 105 Z-Scan at power reference point (Body, Towards Ground, Close GSM 1900 GPRS Channel 512)

GSM 1900 GPRS Towards Phantom High Close

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

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

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 7.09 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.181 mW/g

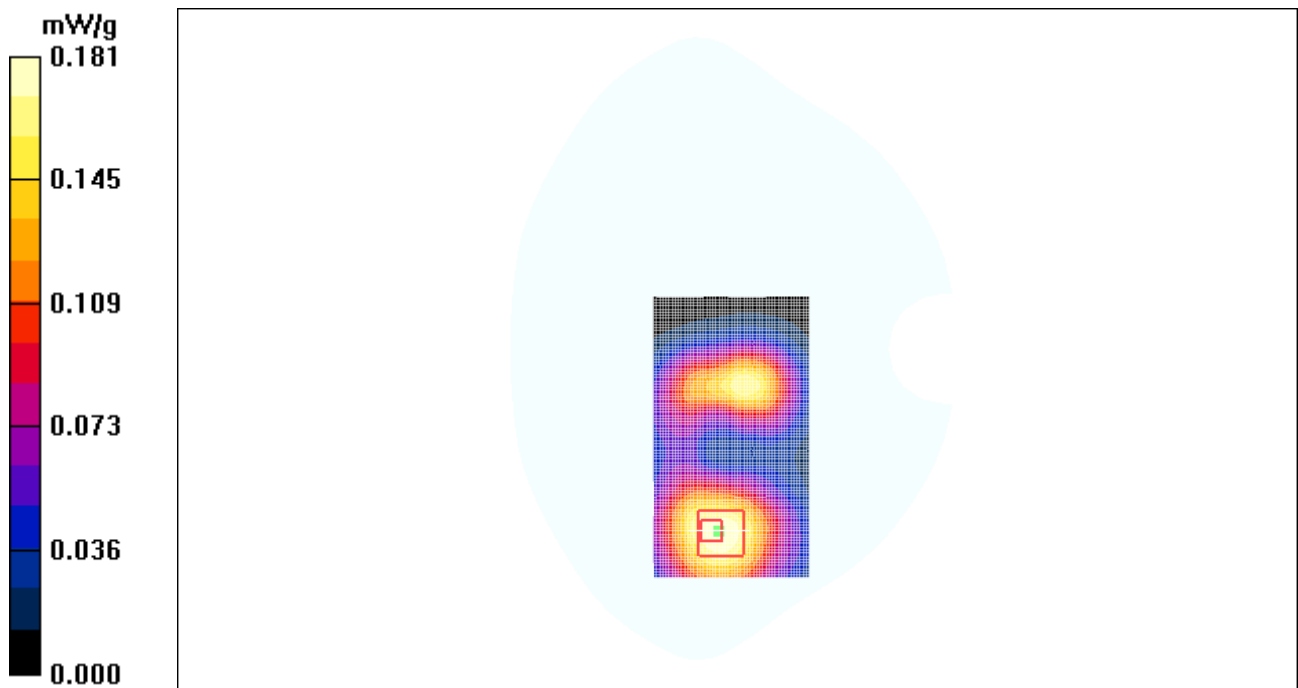


Figure 106 Body, Towards Phantom, Close GSM 1900 GPRS, Channel 810

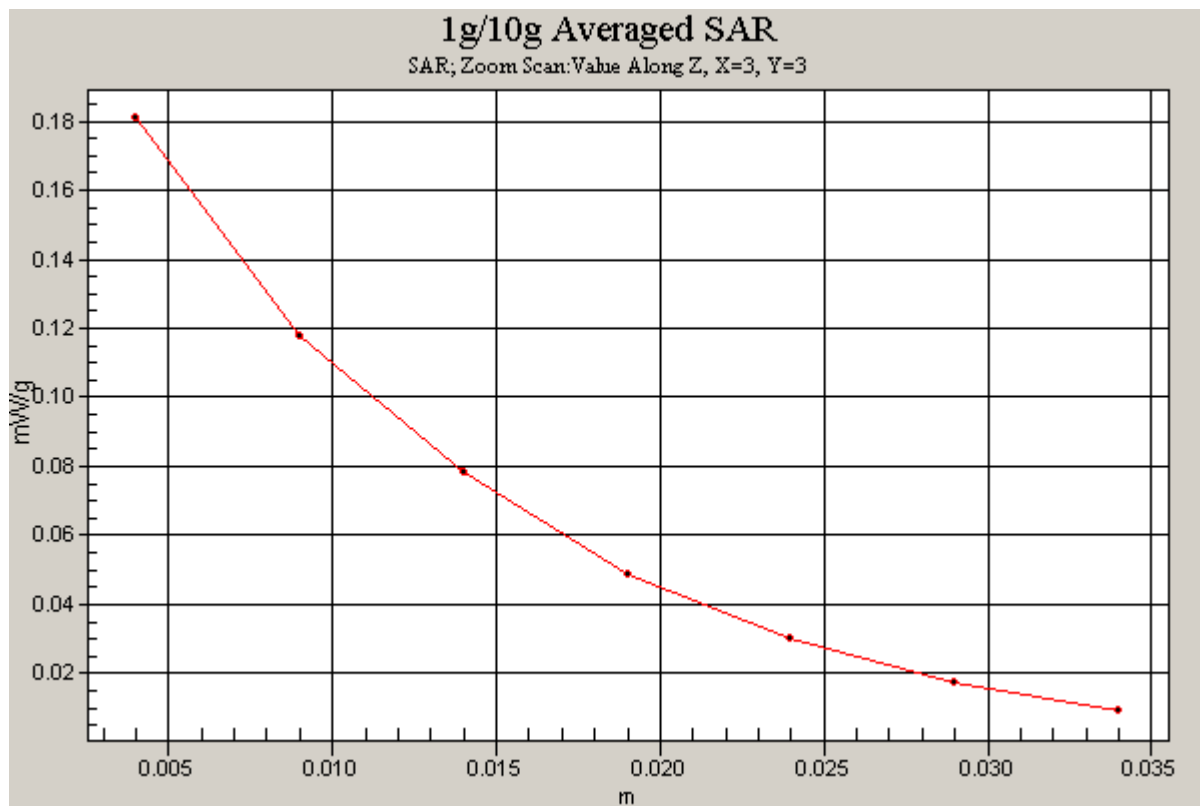


Figure 107 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 1900 GPRS, Channel 810)

GSM 1900 GPRS Towards Phantom Middle Close

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 7.50 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.106 mW/g

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

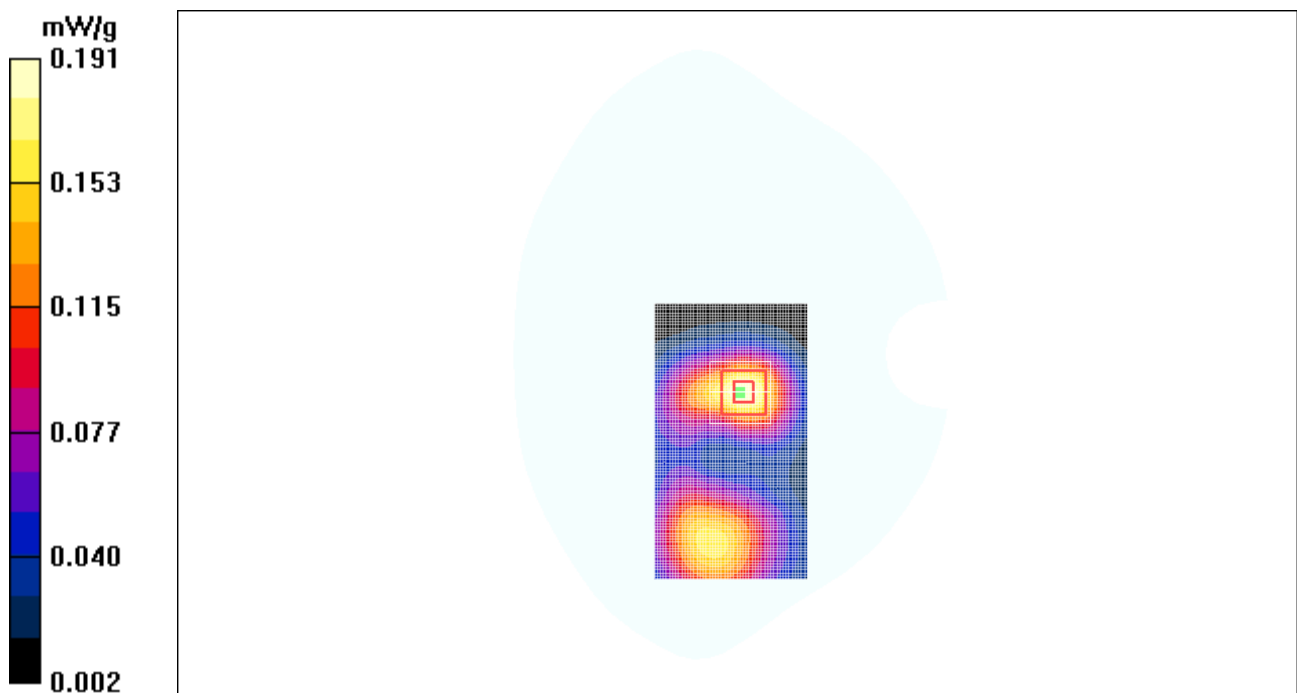


Figure 108 Body, Towards Phantom, Close GSM 1900 GPRS Channel 661

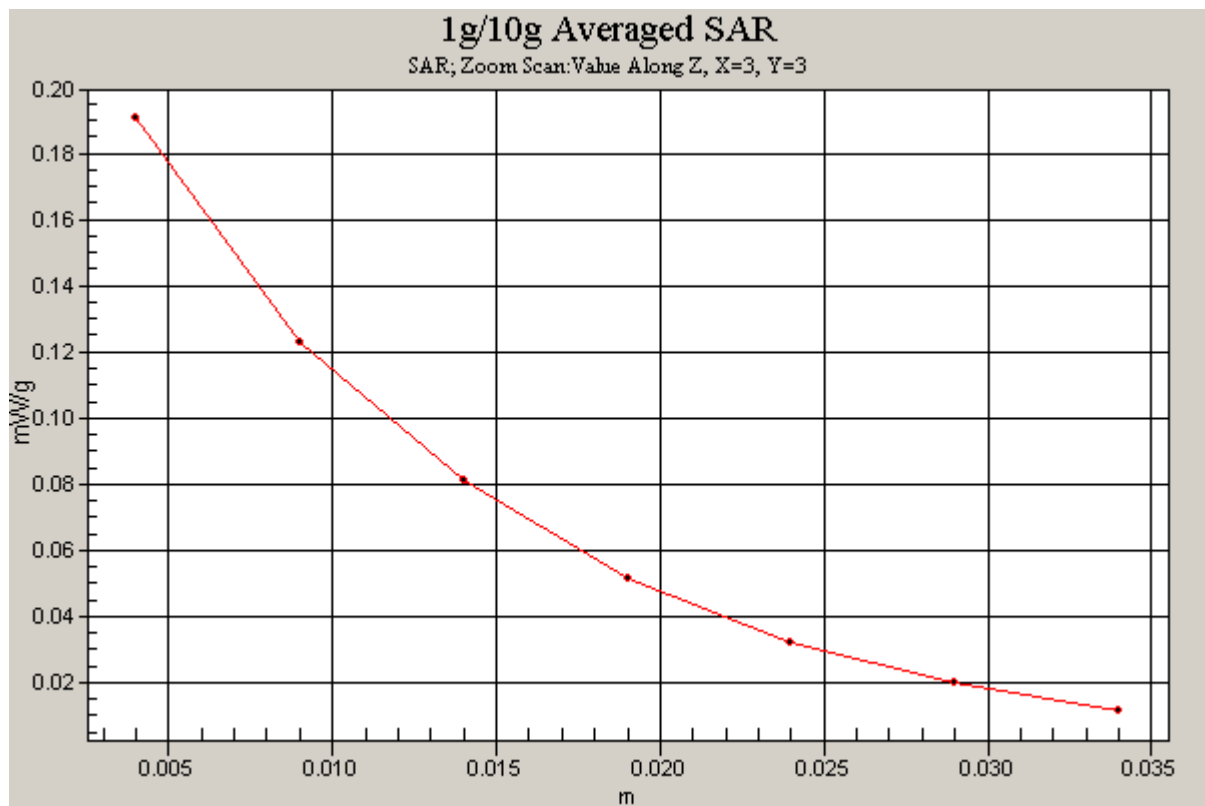


Figure 109 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 1900 GPRS Channel 661)

GSM 1900 GPRS Towards Phantom Low Close

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

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³

Probe: ET3DV6 - SN1531; ConvF(4.64, 4.64, 4.64);

Electronics: DAE4 Sn452;

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

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

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

Reference Value = 7.59 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.386 W/kg

SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.110 mW/g

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

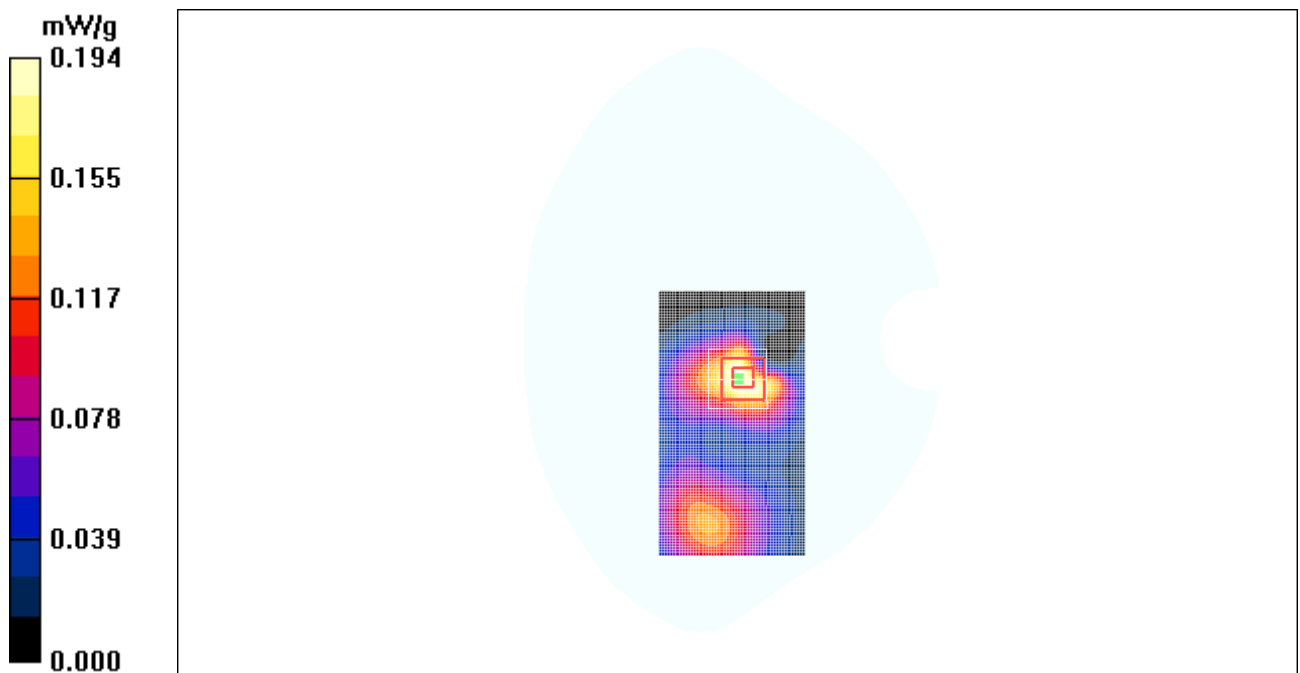


Figure 110 Body, Towards Phantom, Close GSM 1900 GPRS Channel 512

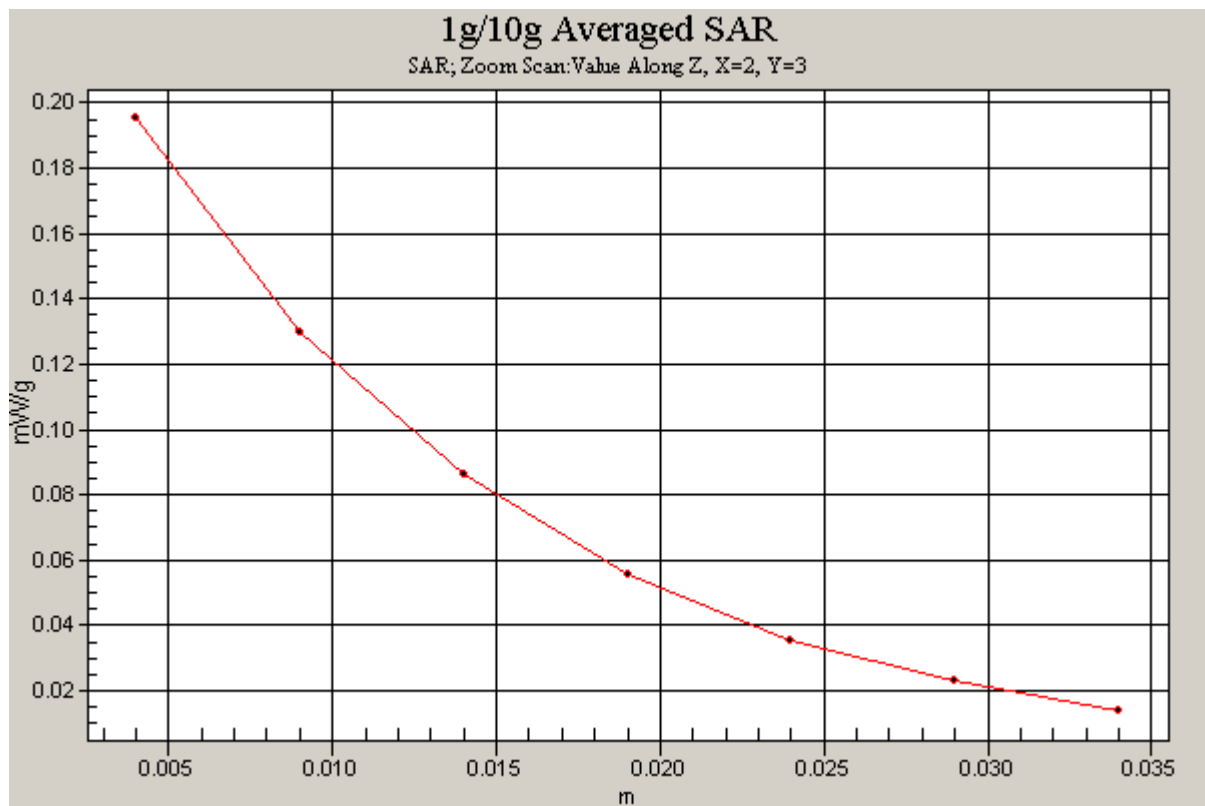


Figure 111 Z-Scan at power reference point (Body, Towards Phantom, Close GSM 1900 GPRS Channel 512)

ANNEX D: SYSTEM VALIDATION RESULTS

System Performance Check at 1900 MHz

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d018

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.446 \text{ mho/m}$; $\epsilon_r = 39.83$; $\rho = 1000 \text{ kg/m}^3$

Probe: ET3DV6 - SN1531; ConvF(5.15, 5.15, 5.15);

Electronics: DAE4 Sn452;

d=10mm, Pin=250mW 2/Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 10.8 mW/g

d=10mm, Pin=250mW 2/Zoom Scan (7x7x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.8 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 16.0 W/kg

SAR(1 g) = 9.36 mW/g; SAR(10 g) = 4.93 mW/g

Maximum value of SAR (measured) = 10.7 mW/g

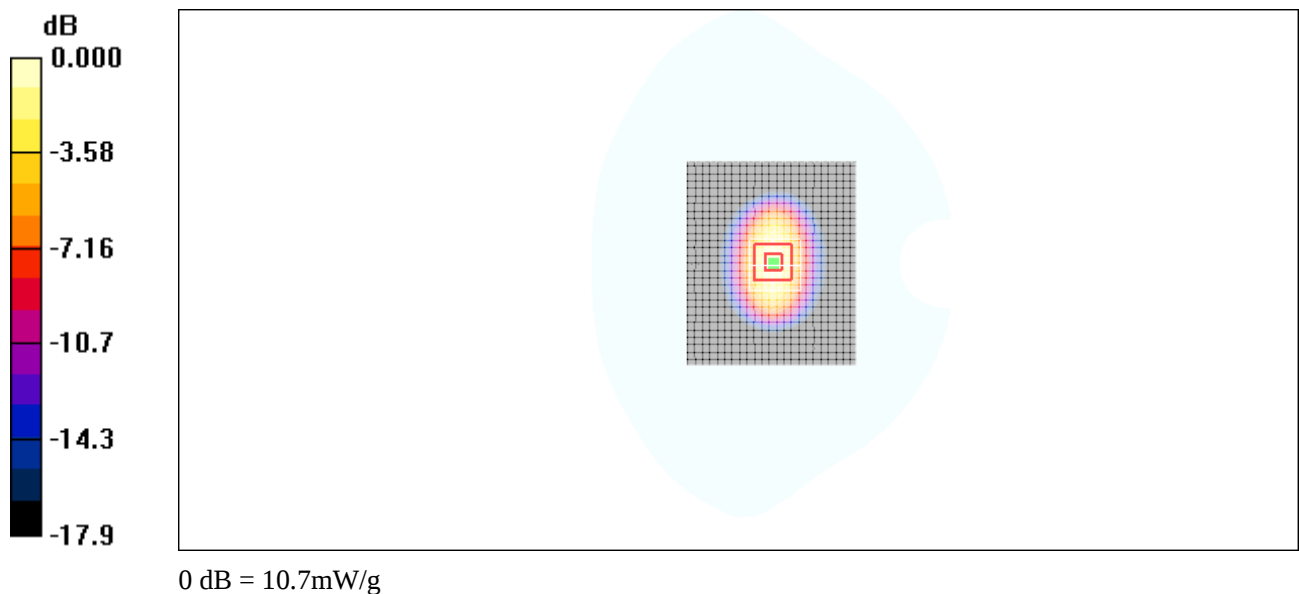


Figure 112 System Performance Check 1900MHz 250mW

TA Technology (Shanghai) Co., Ltd.
Test Report

No. RZA2008-1085FCC

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ANNEX E: PROBE CALIBRATION CERTIFICATE

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 108

Client ATL (Auden)

Certificate No. ET3-1531_Jan08

CALIBRATION CERTIFICATE

Object ET3DV6 - SN:1531

Calibration procedure(s) QA CAL-01 v6 and QA CAL-12 v5
Calibration procedure for dosimetric E-field probes

Calibration date: January 29, 2008

Condition of the calibrated item In Tolerance

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility, environment temperature $(22 \pm 3)^{\circ}\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Power sensor E4412A	MY41495277	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Power sensor E4412A	MY41498067	29-Mar-07 (METAS, No. 217-00670)	Mar-08
Reference 3 dB Attenuator	SN: S5054 (3c)	8-Aug-07 (METAS, No. 217-00719)	Aug-08
Reference 20 dB Attenuator	SN: S5088 (20b)	29-Mar-07 (METAS, No. 217-00671)	Mar-08
Reference 30 dB Attenuator	SN: S5129 (30b)	8-Aug-07 (METAS, No. 217-00720)	Aug-08
Reference Probe ES3DV2	SN: 3013	2-Jan-08 (SPEAG, No. ES3-3013_Jan08)	Jan-09
DAE4	SN: 654	20-Apr-07 (SPEAG, No. DAE4-654_Apr07)	Apr-08
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (SPEAG, in house check Oct-07)	In house check: Oct-09
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Oct-07)	In house check: Oct-08

	Name	Function	Signature
Calibrated by:	Kolja Potovic	Technical Manager	
Approved by:	Nils Kuster	Quality Manager	

Issued: January 29, 2008

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Certificate No: ET3-1531_Jan08

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