

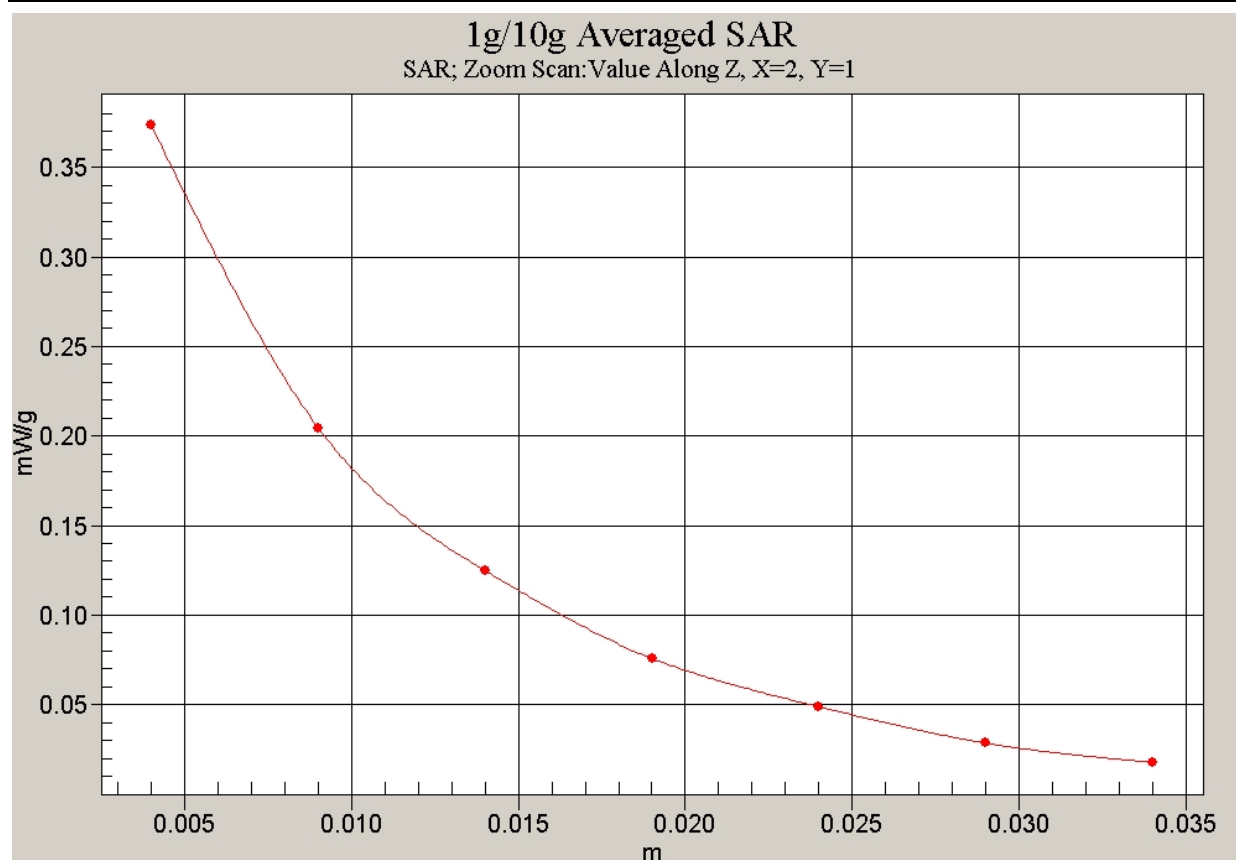


Fig. 90 Z-Scan at power reference point (PCS 1900MHz CH512)

**1900 Right Tilt High-slide up**

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 40.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

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

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

**Tilt High/Area Scan (51x111x1):** Measurement grid: dx=10mm, dy=10mm

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

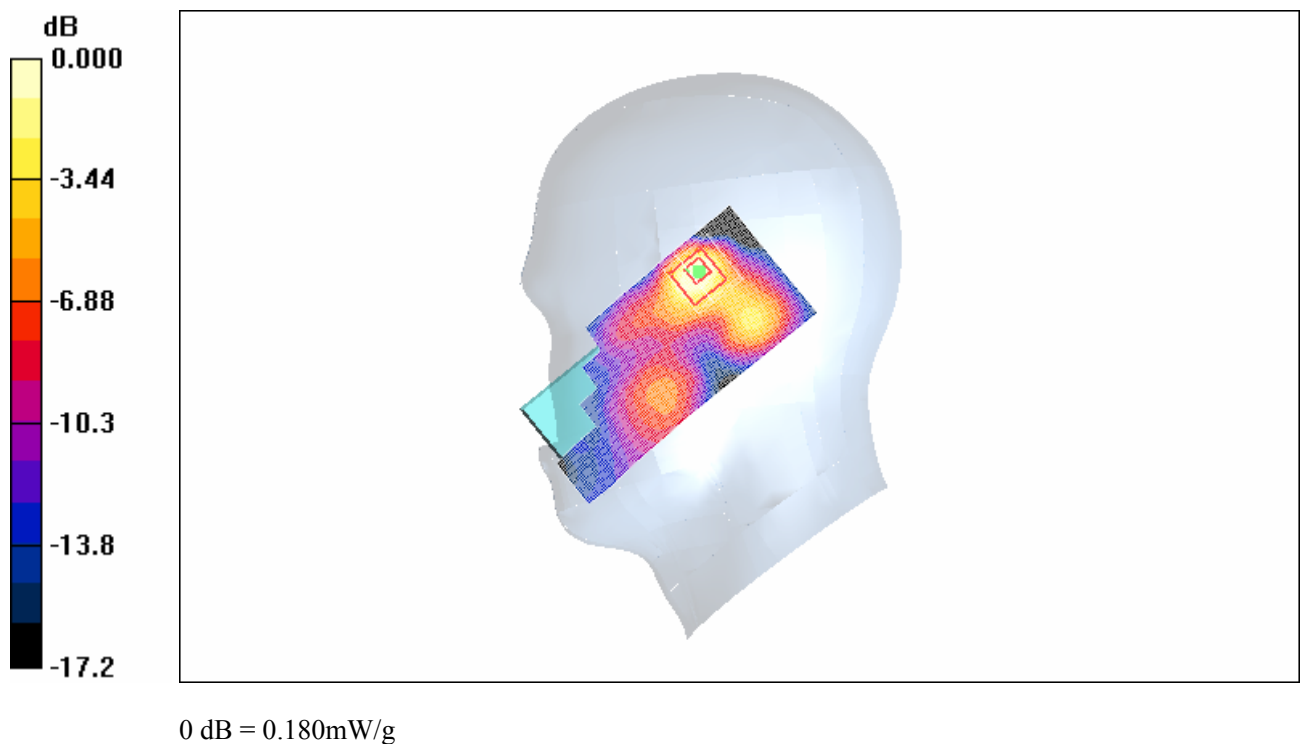
**Tilt High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

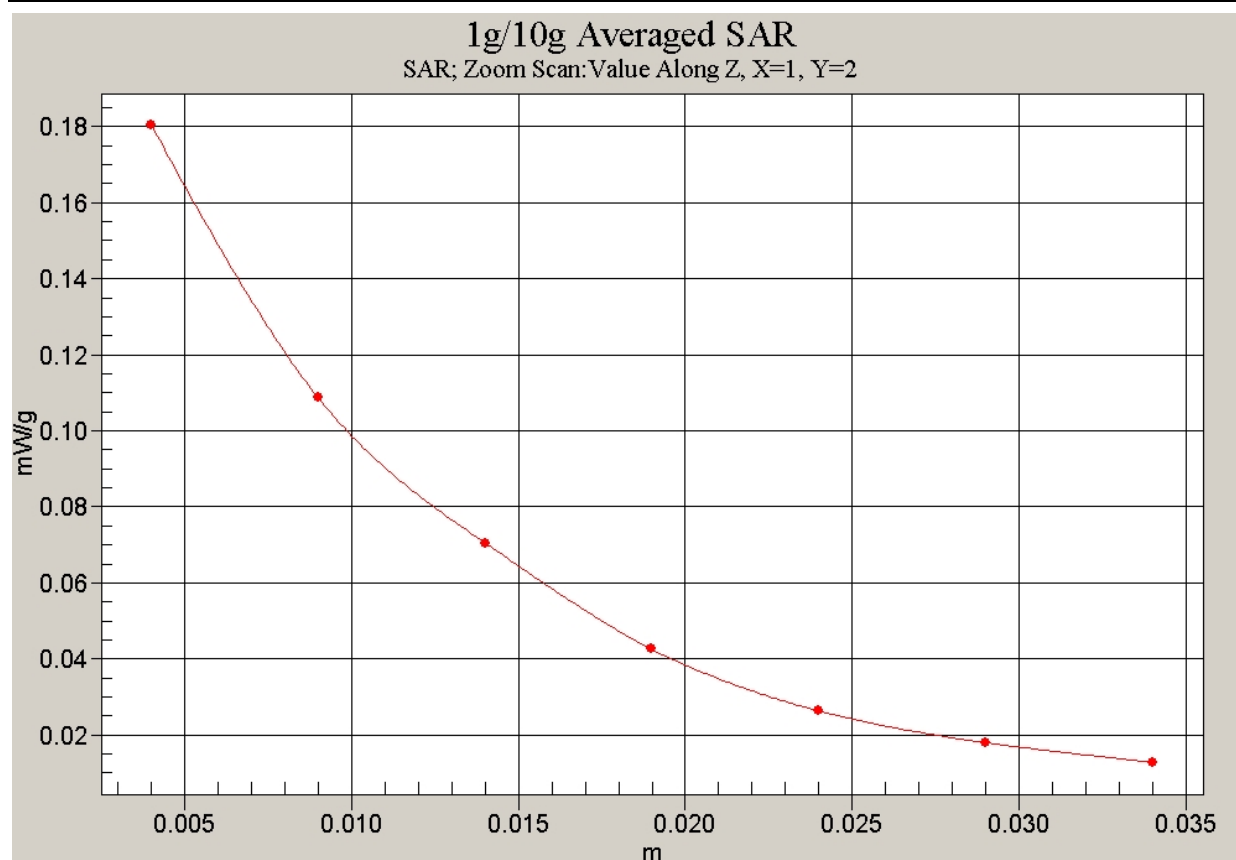
Reference Value = 7.32 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.366 W/kg

**SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.085 mW/g**

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

**Fig. 91 Right Hand Tilt 15°PCS 1900MHz CH810**



**Fig. 92 Z-Scan at power reference point (PCS 1900MHz CH810)**

**1900 Right Tilt Middle-slide up**

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.37$  mho/m;  $\epsilon_r = 41$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

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

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

**Tilt Middle/Area Scan (51x111x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.385 mW/g

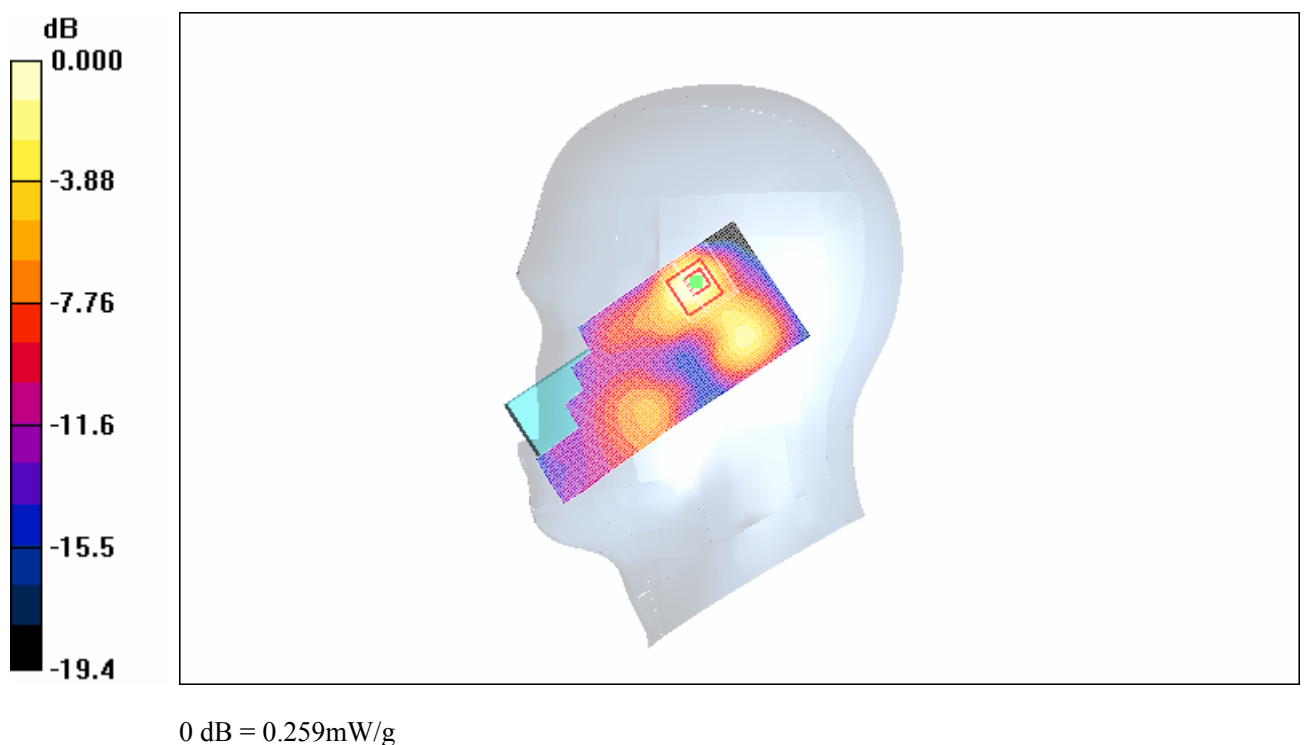
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.94 V/m; Power Drift = -0.066 dB

Peak SAR (extrapolated) = 0.567 W/kg

**SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.126 mW/g**

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

**Fig. 93 Right Hand Tilt 15°PCS 1900MHz CH661**

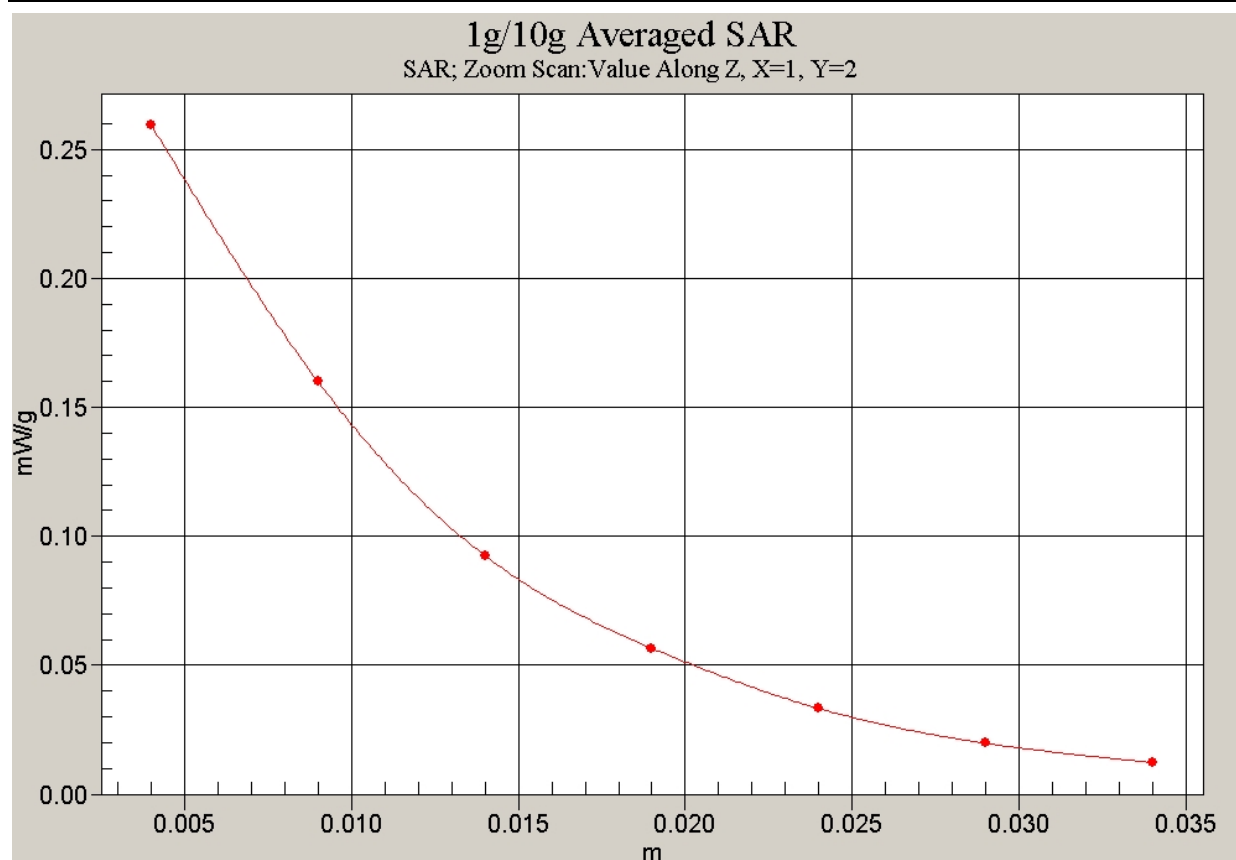


Fig. 94 Z-Scan at power reference point (PCS 1900MHz CH661)

**1900 Right Tilt Low-slide up**

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 40.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

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

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

**Tilt Low/Area Scan (51x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.379 mW/g

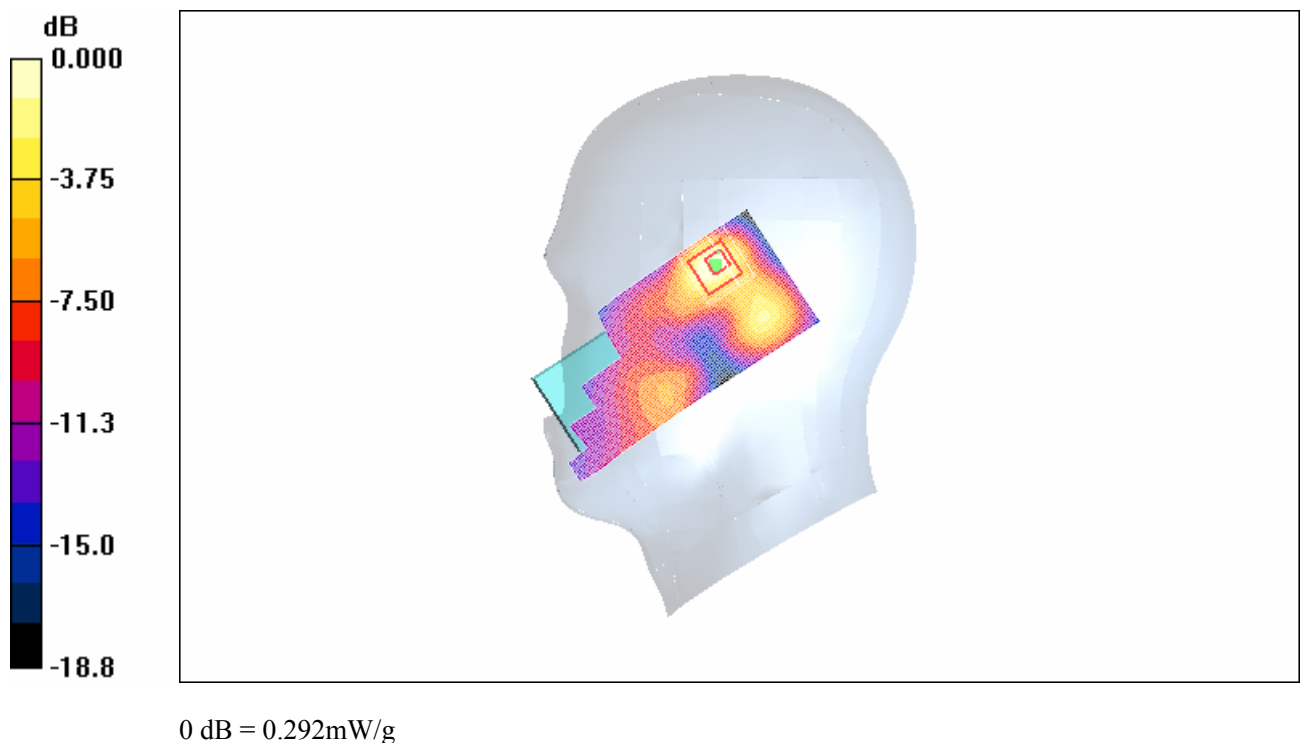
**Tilt Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.38 V/m; Power Drift = 0.054 dB

Peak SAR (extrapolated) = 0.595 W/kg

**SAR(1 g) = 0.291 mW/g; SAR(10 g) = 0.137 mW/g**

Maximum value of SAR (measured) = 0.292 mW/g

**Fig. 95 Right Hand Tilt 15°PCS 1900MHz CH512**

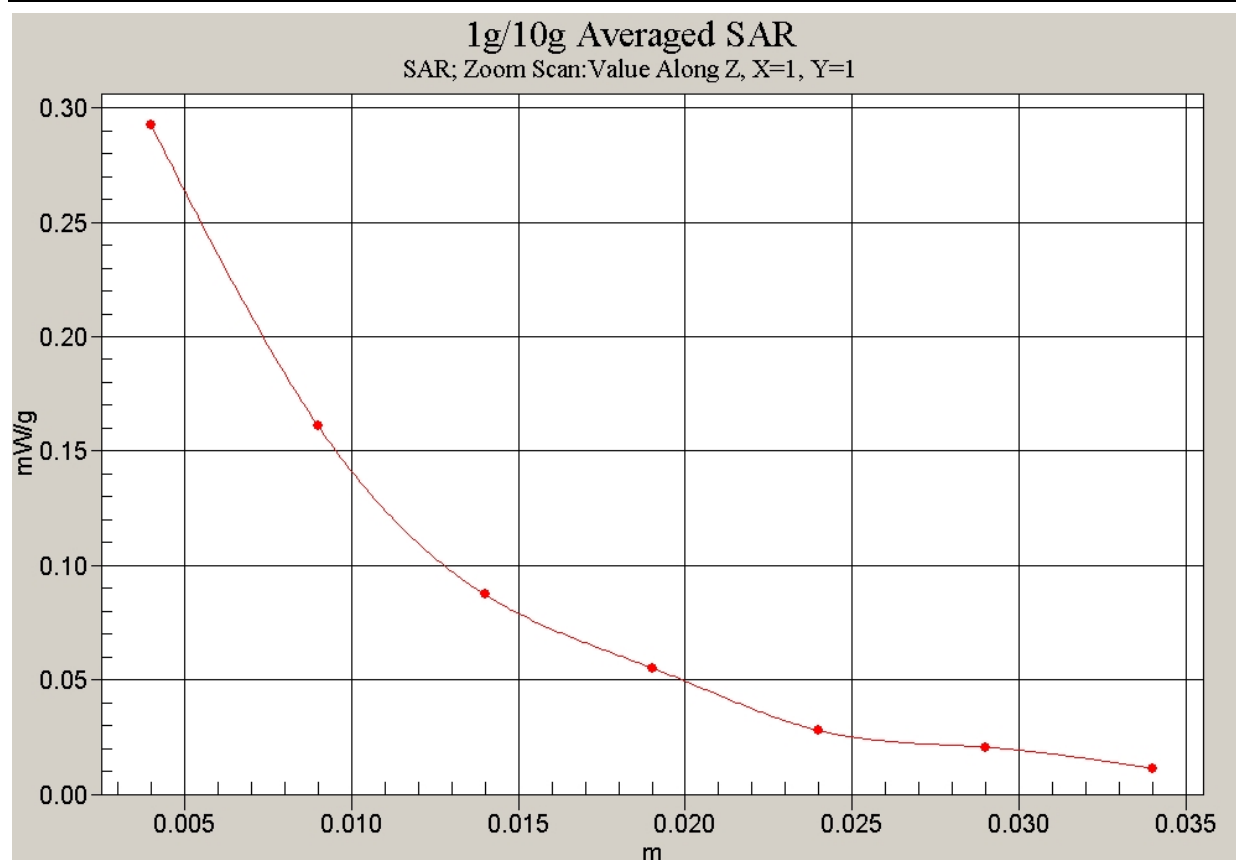


Fig. 96 Z-Scan at power reference point (PCS 1900MHz CH512)

**850 Body Toward Phantom High with GPRS-slide down**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.983$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 848.8 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

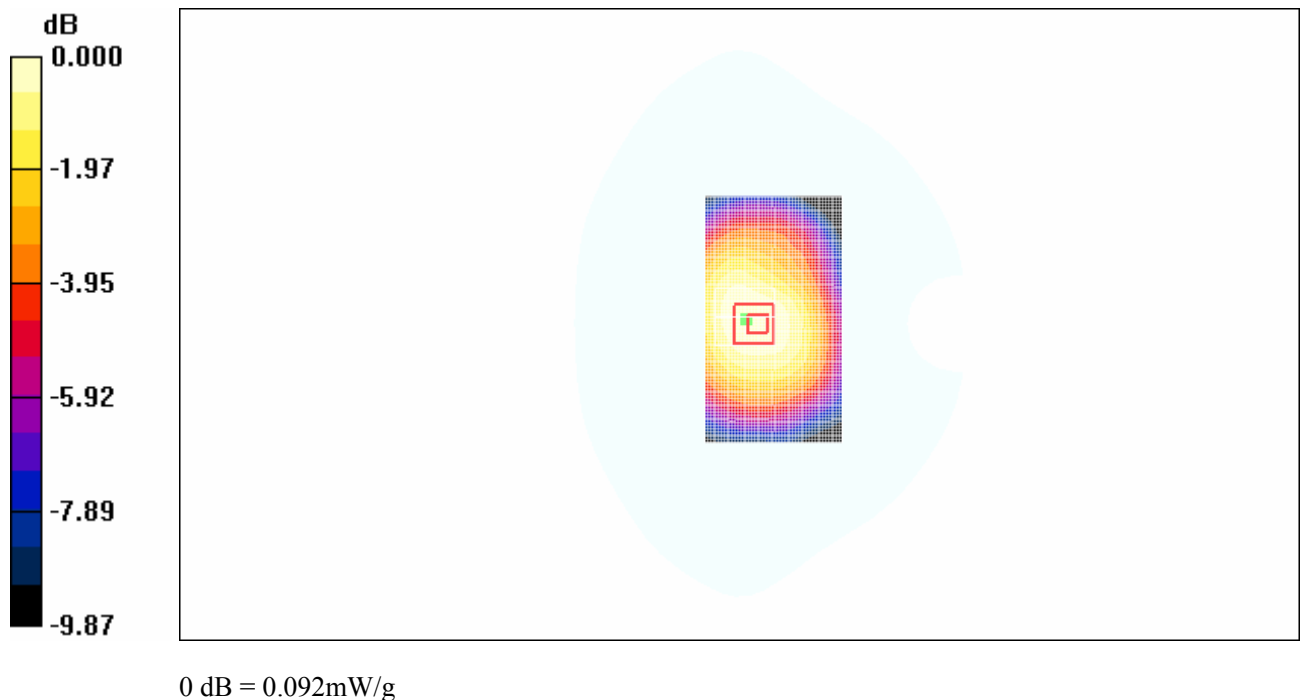
**Toward Phantom High/Area Scan (51x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.095 mW/g**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

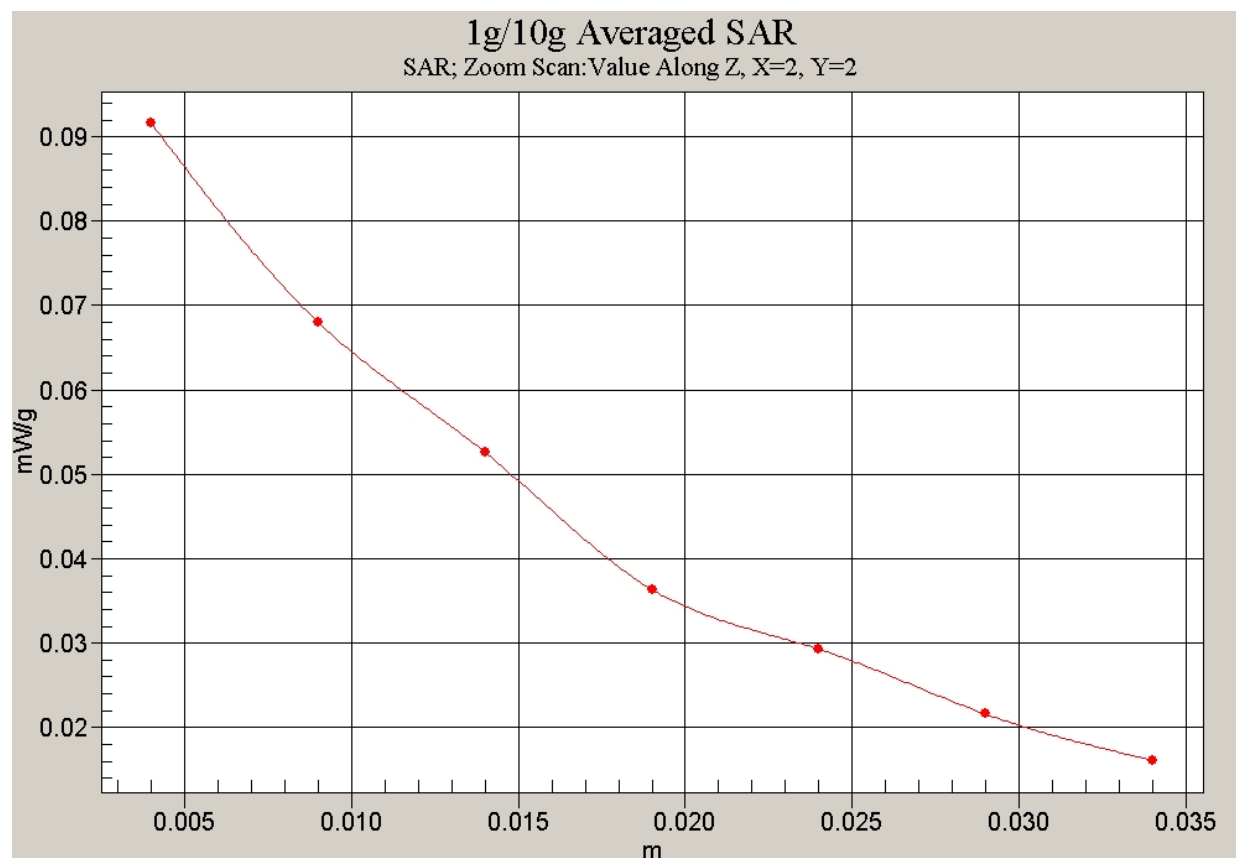
Reference Value = 10.0 V/m; Power Drift = -0.112 dB

Peak SAR (extrapolated) = 0.115 W/kg

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

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

**Fig. 97 GSM 850MHz, Body, Towards Phantom with GPRS, CH251**



**Fig. 98 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Phantom with GPRS, CH251)**

**850 Body Toward Phantom Middle with GPRS-slide down**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.971$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

**Toward Phantom Middle/Area Scan (51x91x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.117 mW/g

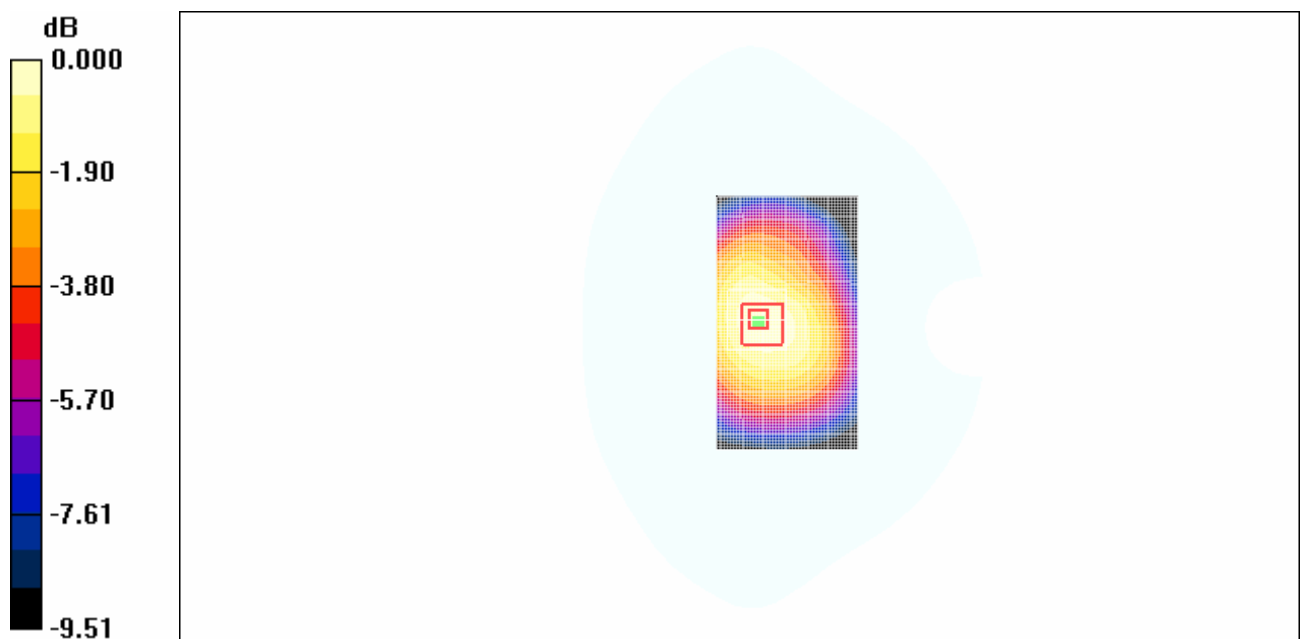
**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 11.1 V/m; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.142 W/kg

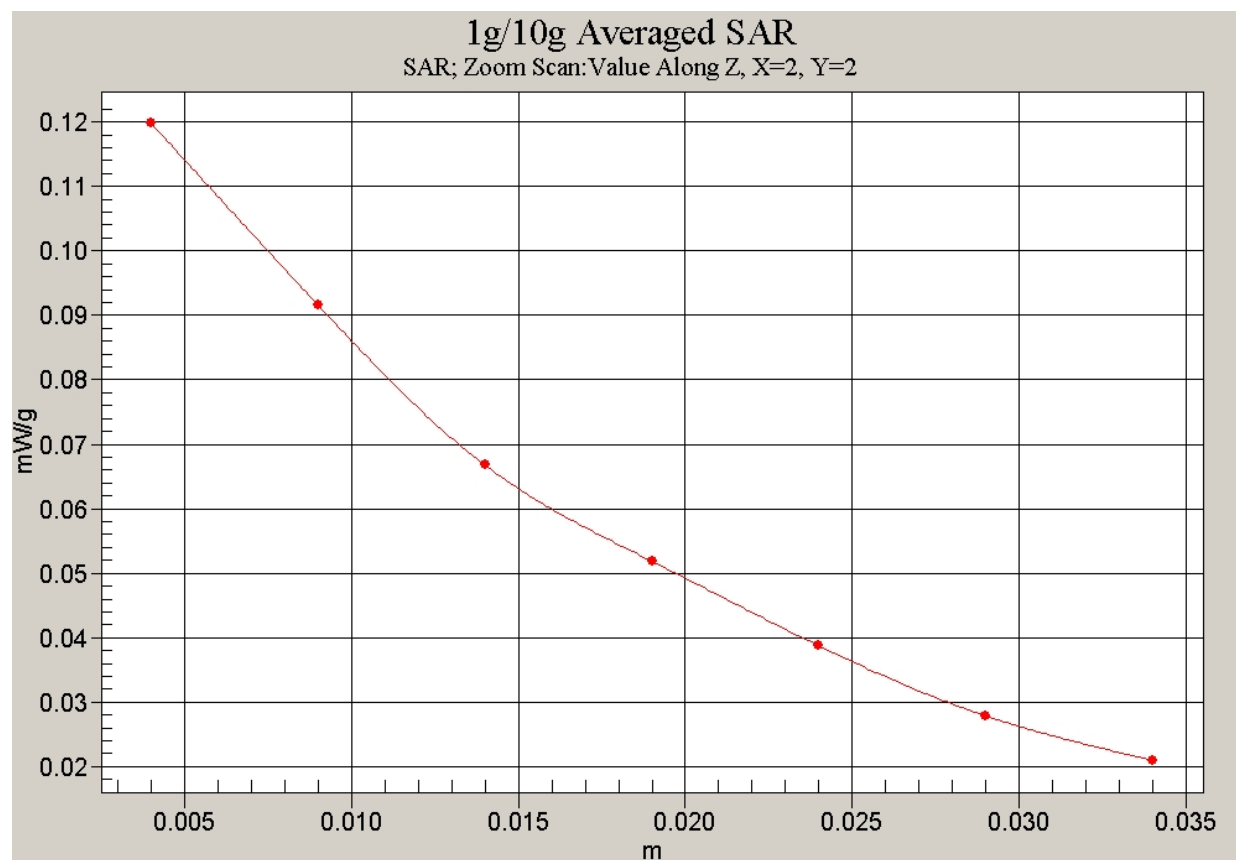
**SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.120 mW/g



0 dB = 0.120mW/g

**Fig. 99 GSM 850MHz, Body, Towards Phantom with GPRS, CH190**



**Fig. 100 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Phantom with GPRS, CH190)**

**850 Body Toward Phantom Low with GPRS-slide down**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

**Toward Phantom Low/Area Scan (51x91x1):** Measurement grid: dx=10mm, dy=10mm

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

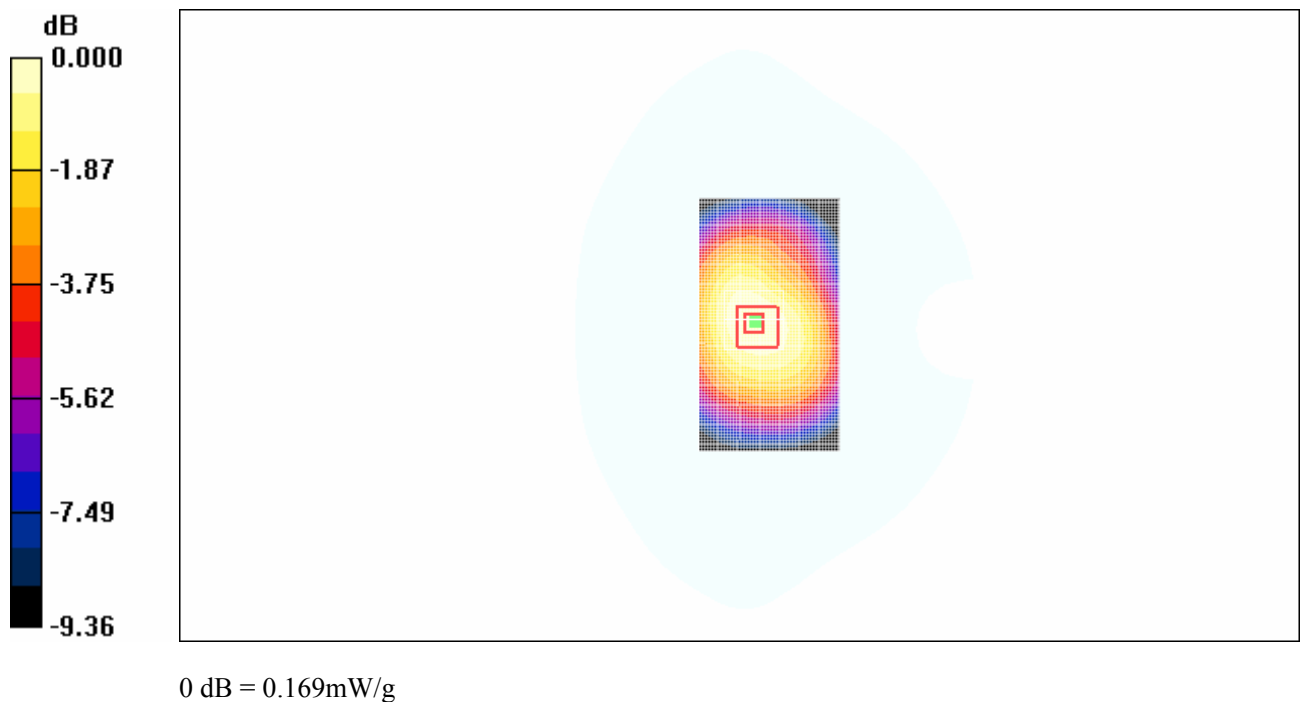
**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

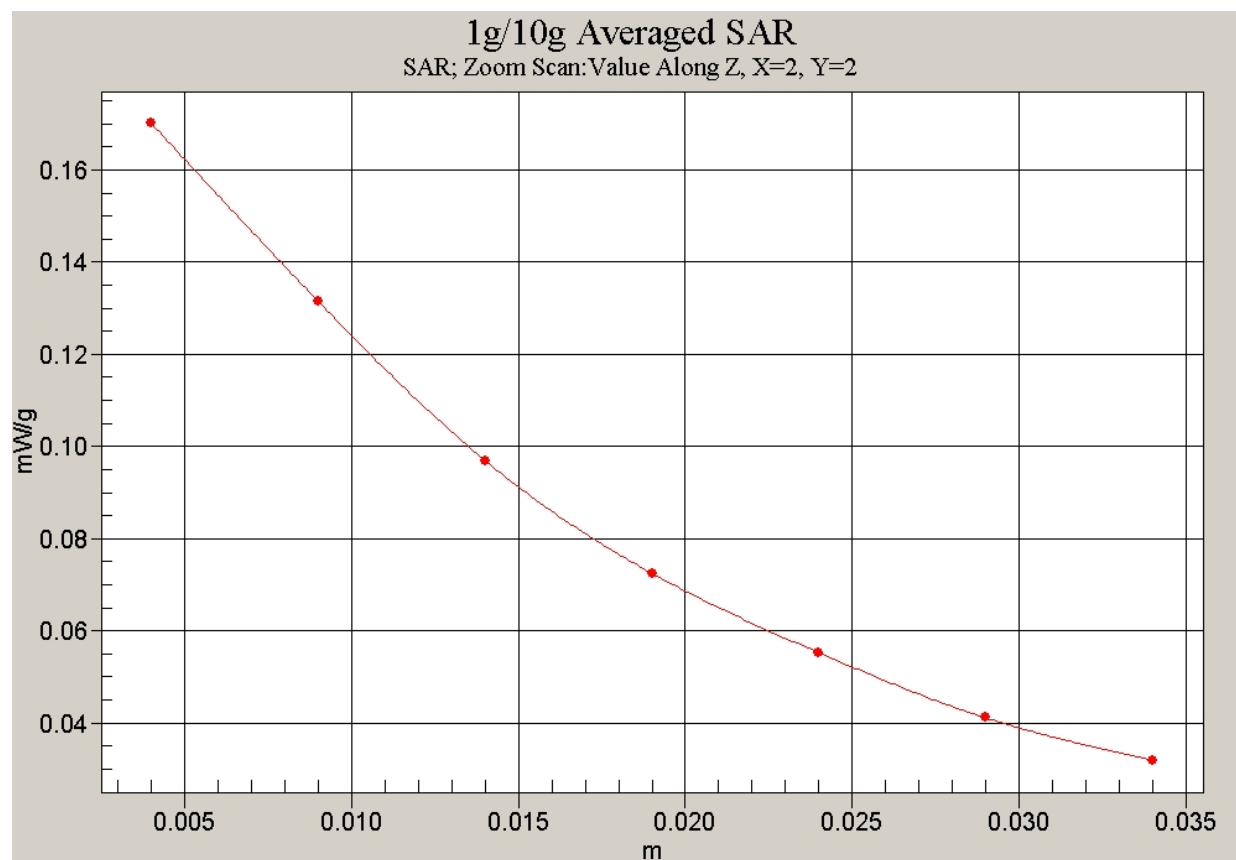
Reference Value = 13.4 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.204 W/kg

**SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.118 mW/g**

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

**Fig. 101 GSM 850MHz, Body, Towards Phantom with GPRS, CH128**



**Fig. 102 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Phantom with GPRS, CH128)**

**850 Body Toward Ground High with GPRS-slide down**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.983$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 848.8 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

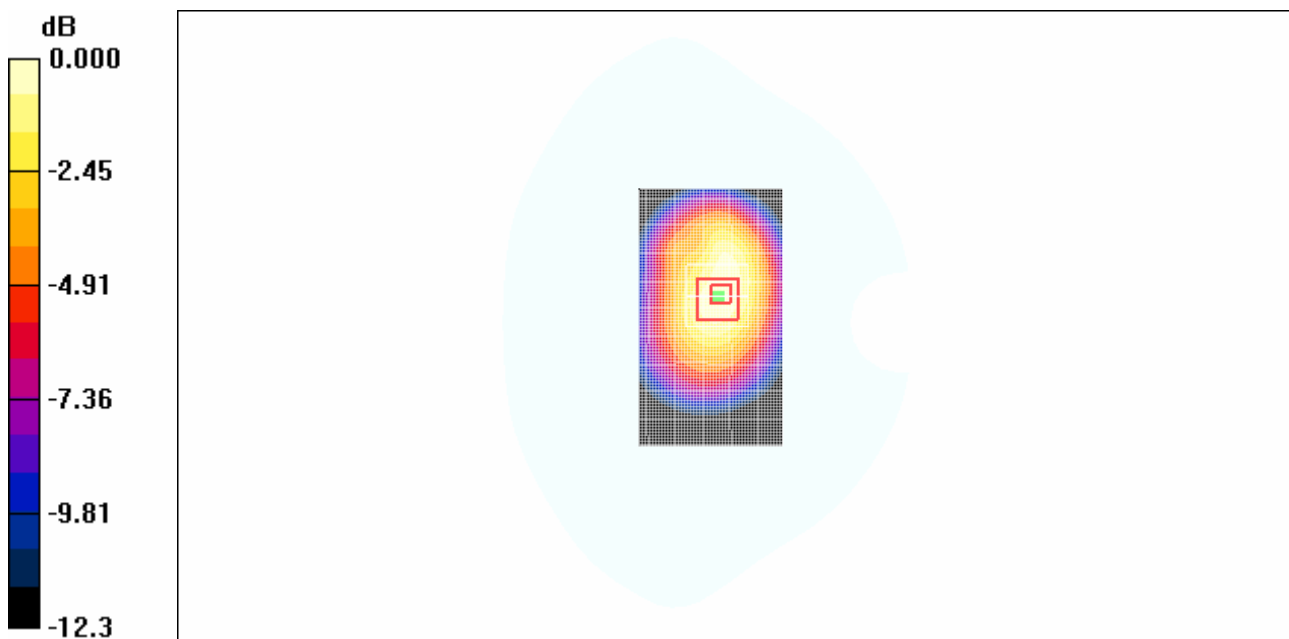
**Toward Ground High/Area Scan (51x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.700 mW/g**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.9 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 0.933 W/kg

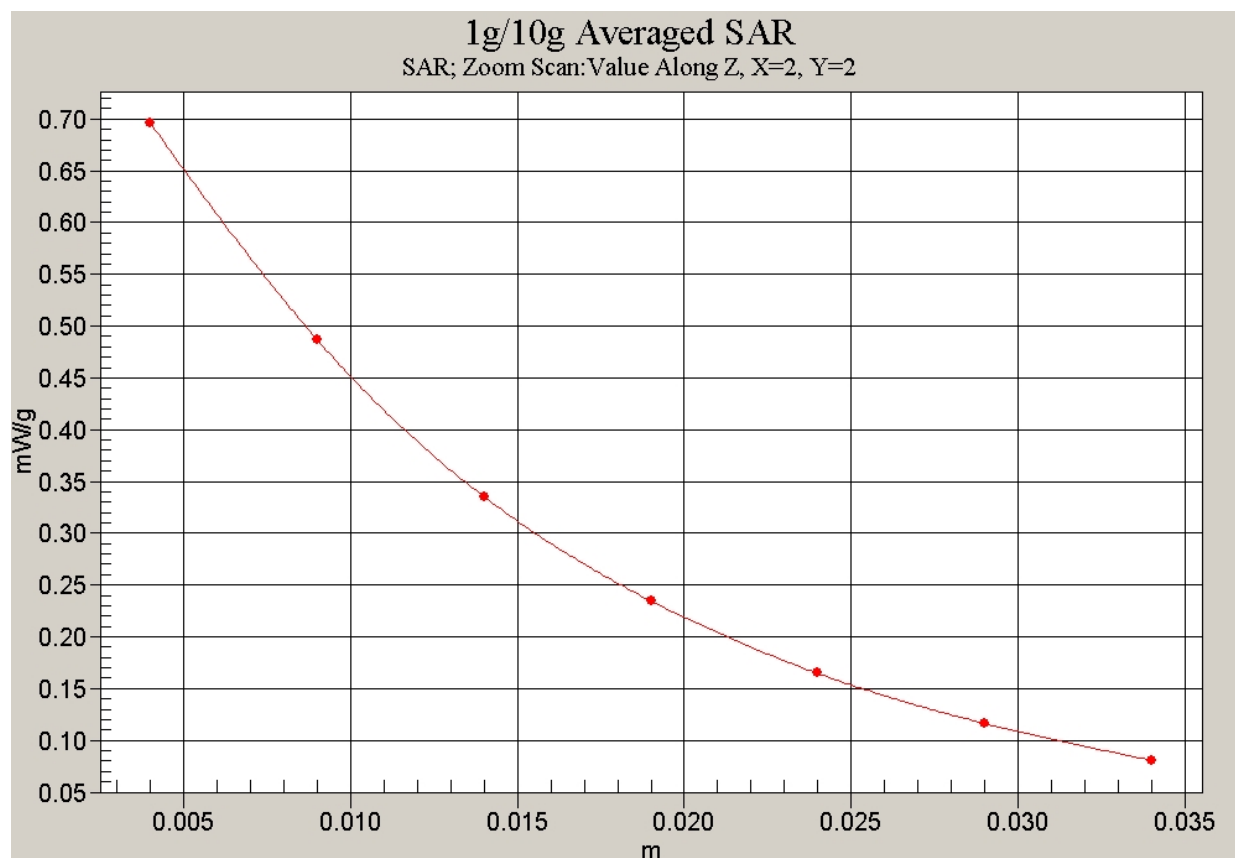
**SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.429 mW/g**

Maximum value of SAR (measured) = 0.694 mW/g



0 dB = 0.694mW/g

**Fig. 103 GSM 850MHz, Body, Towards Ground with GPRS, CH251**



**Fig. 104 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Ground with GPRS, CH251)**

**850 Body Toward Ground Middle with GPRS-slide down**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.971$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

**Toward Ground Middle/Area Scan (51x91x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.855 mW/g

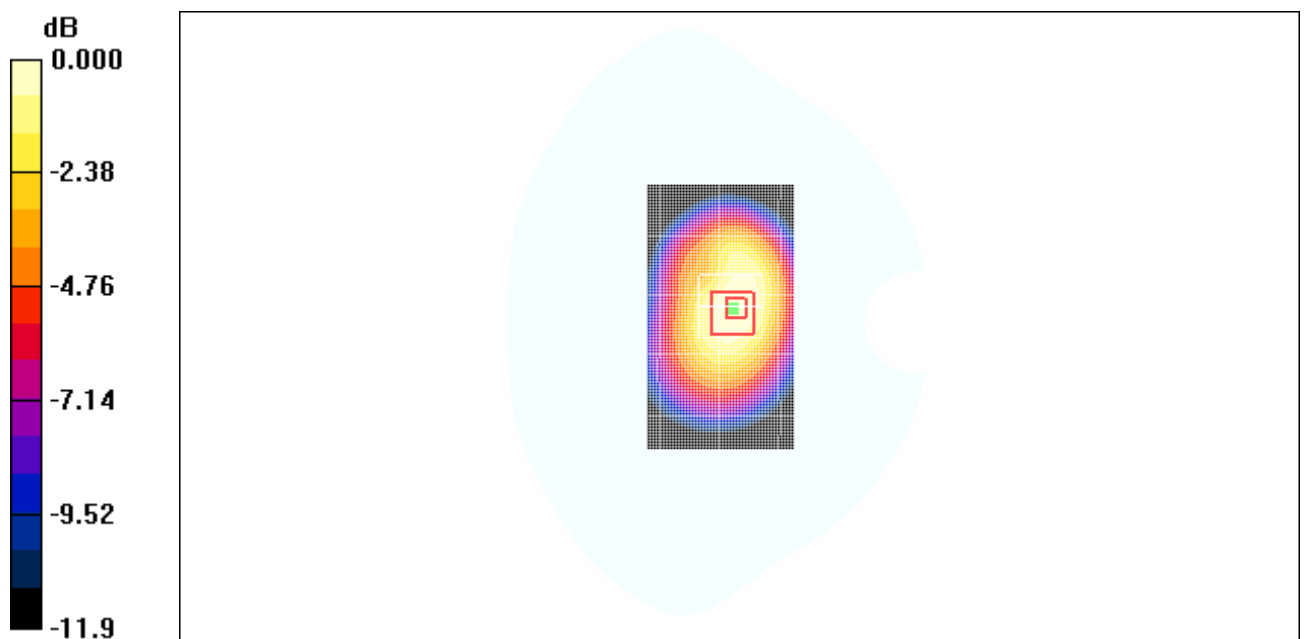
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 29.2 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.11 W/kg

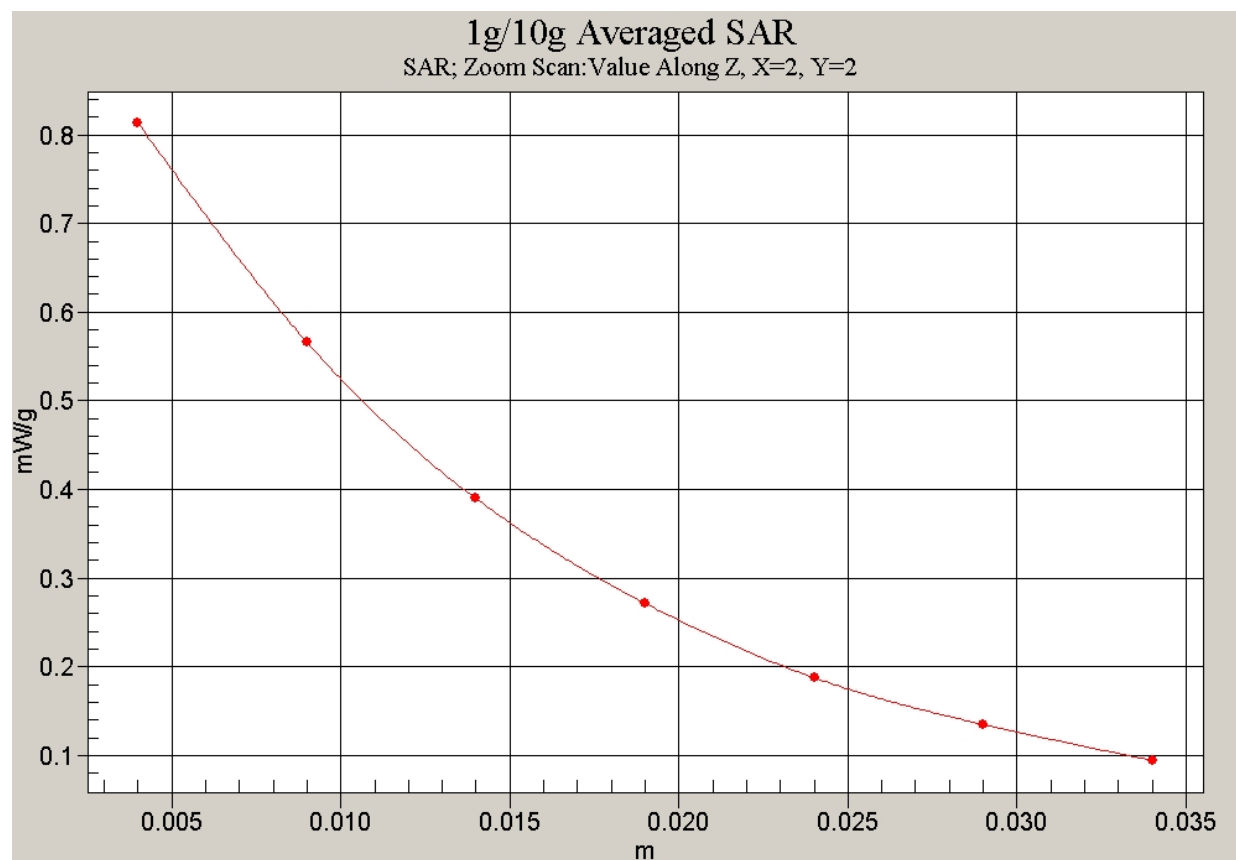
**SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.513 mW/g**

Maximum value of SAR (measured) = 0.813 mW/g



0 dB = 0.813mW/g

**Fig. 105 GSM 850MHz, Body, Towards Ground with GPRS, CH190**



**Fig. 106 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Ground with GPRS, CH190)**

**850 Body Toward Ground Low with GPRS-slide down**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

**Toward Ground Low/Area Scan (51x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.26 mW/g

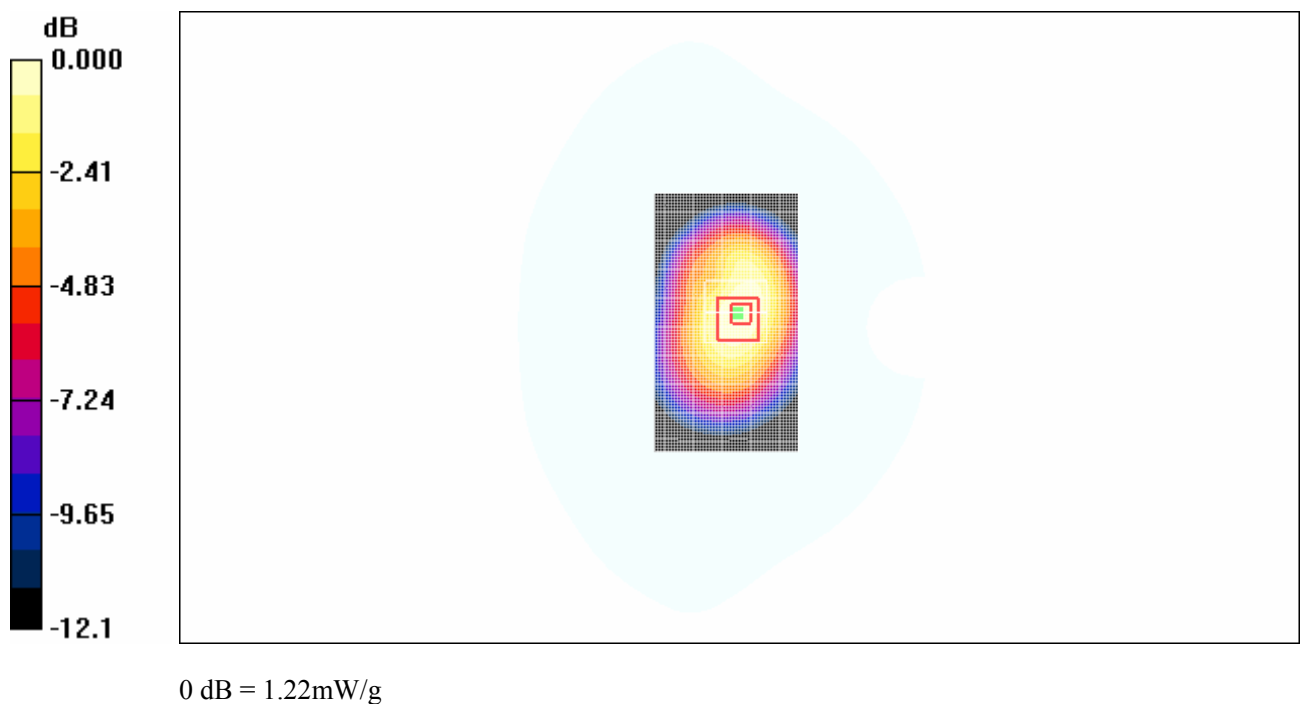
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

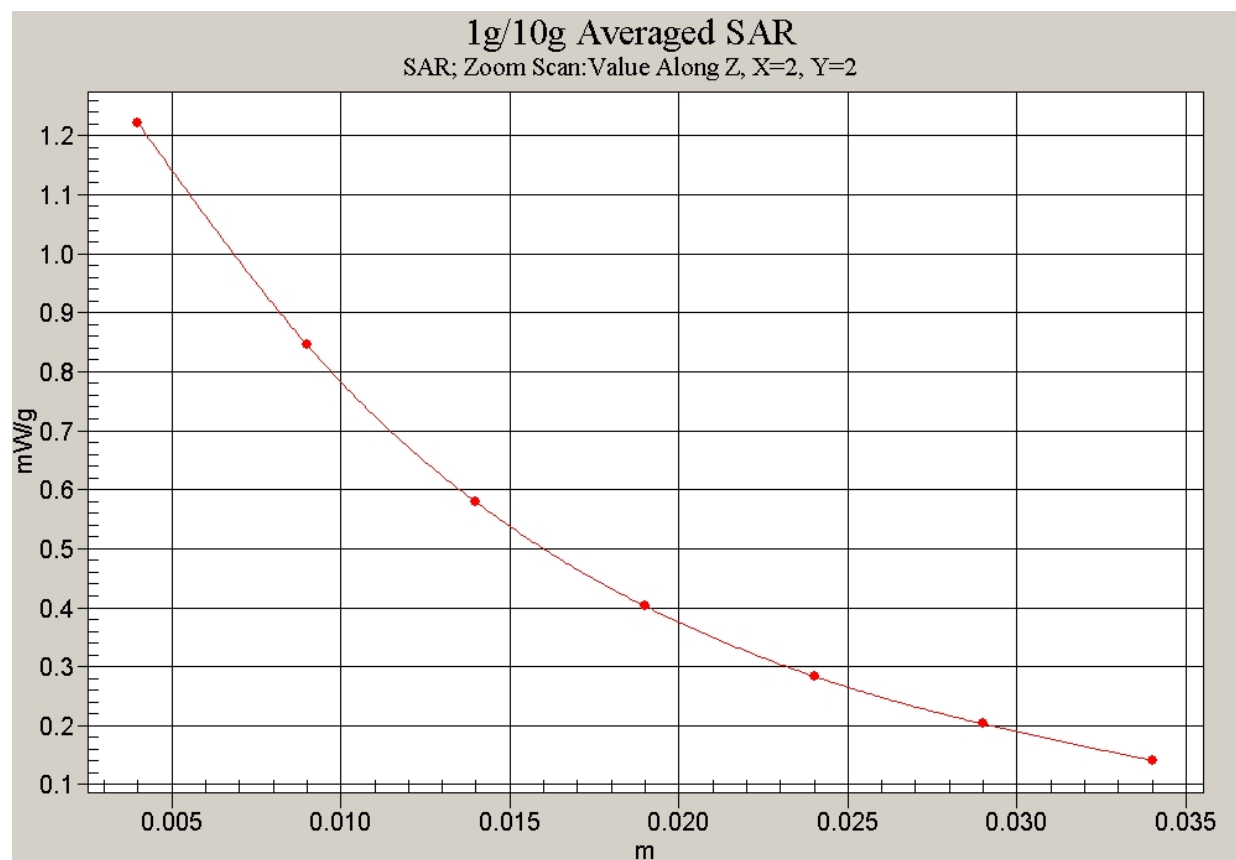
Reference Value = 35.0 V/m; Power Drift = -0.195 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.759 mW/g**

Maximum value of SAR (measured) = 1.22 mW/g

**Fig. 107 GSM 850MHz, Body, Towards Ground with GPRS, CH128**



**Fig. 108 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Ground with GPRS, CH128)**

**850 Body Toward Phantom High with GPRS-slide up**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.983$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 848.8 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

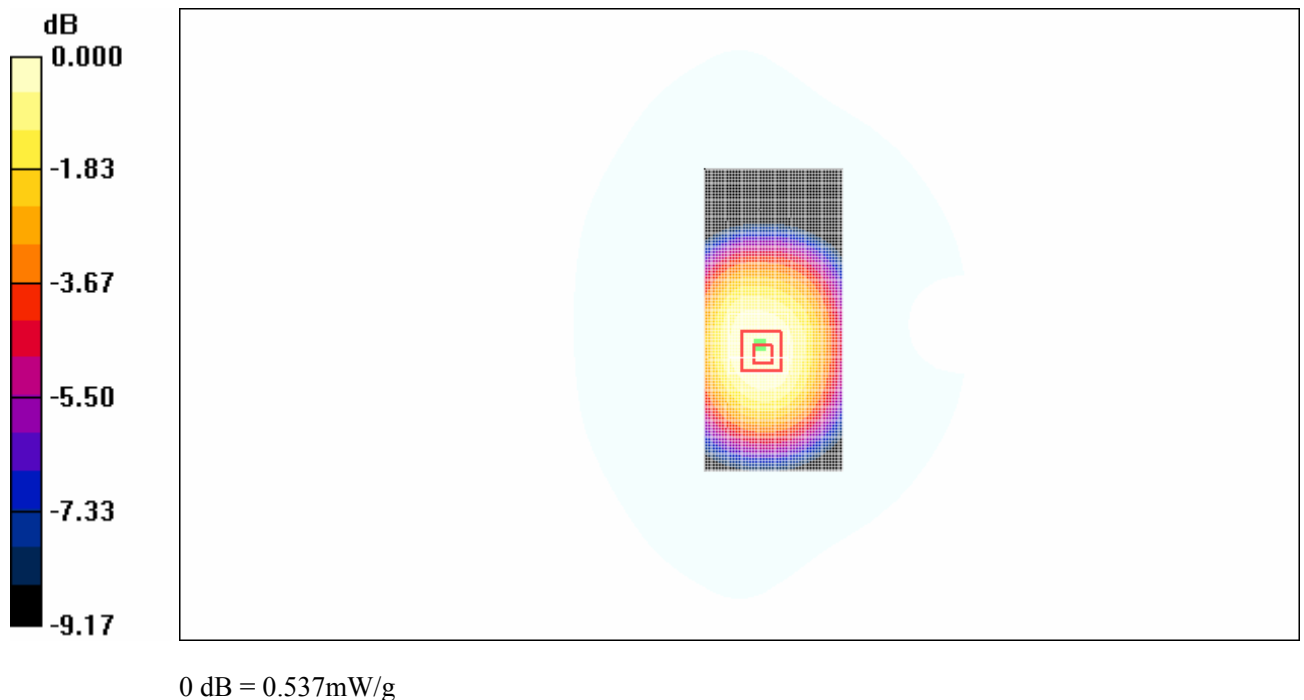
**Toward Pantom High/Area Scan (51x111x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.555 mW/g**Toward Pantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5m, dy=5m, dz=5mm

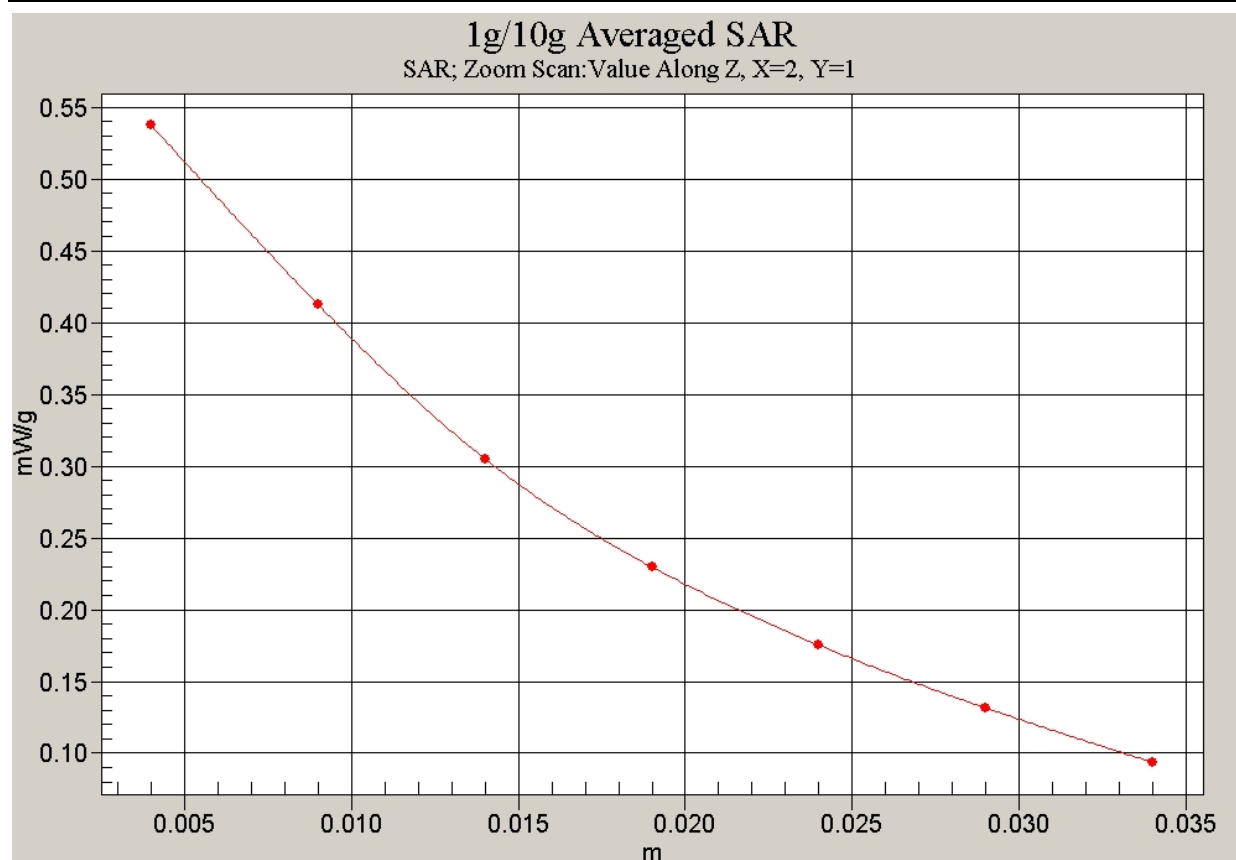
Reference Value = 23.7 V/m; Power Drift = -0.200 dB

SAR (extrapolated) = 0.645 W/kg

**SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.378 mW/g**

Maximum value of SAR (measured) = 0.537 mW/g

**Fig. 109 GSM 850MHz, Body, Towards Phantom with GPRS, CH251**



**Fig. 110 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Phantom with GPRS, CH251)**

**850 Body Toward Phantom Middle with GPRS-slide up**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.971$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

**Toward Phantom Middle/Area Scan (51x111x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.694 mW/g

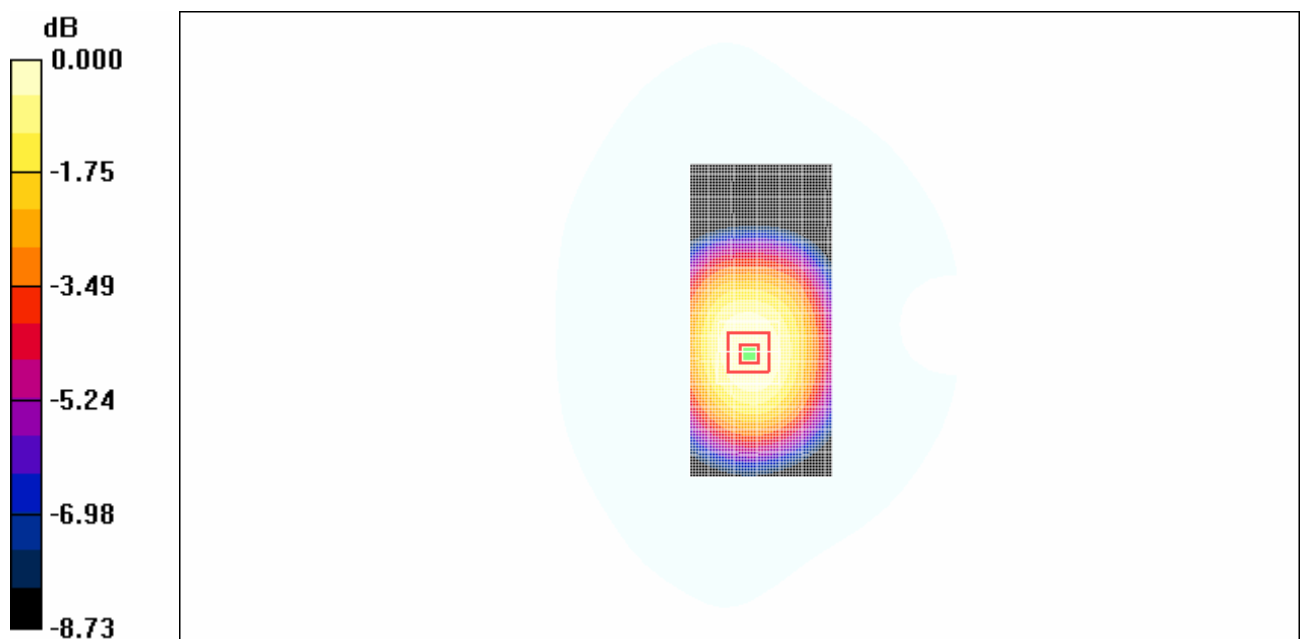
**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 26.9 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.786 W/kg

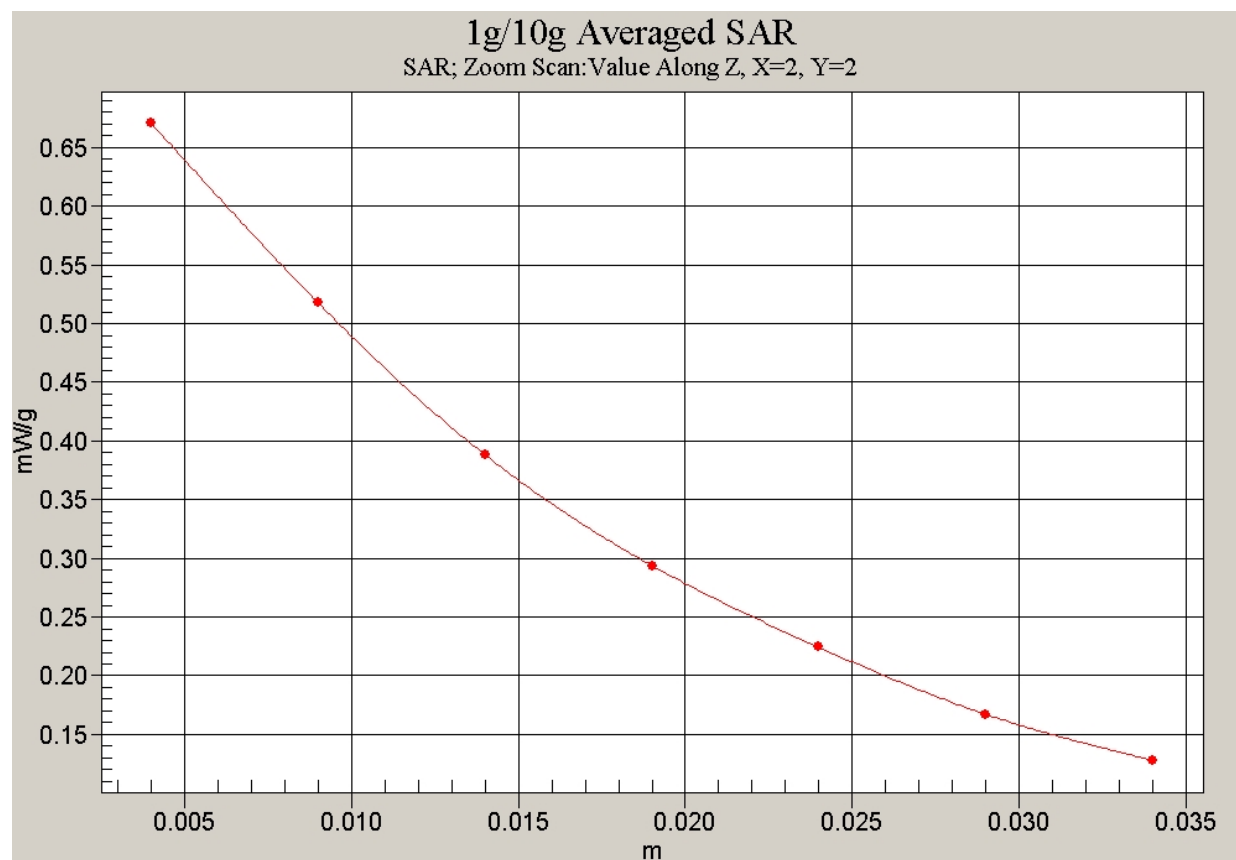
**SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.473 mW/g**

Maximum value of SAR (measured) = 0.671 mW/g



0 dB = 0.671mW/g

**Fig. 111 GSM 850MHz, Body, Towards Phantom with GPRS, CH190**



**Fig. 112 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Phantom with GPRS, CH190)**

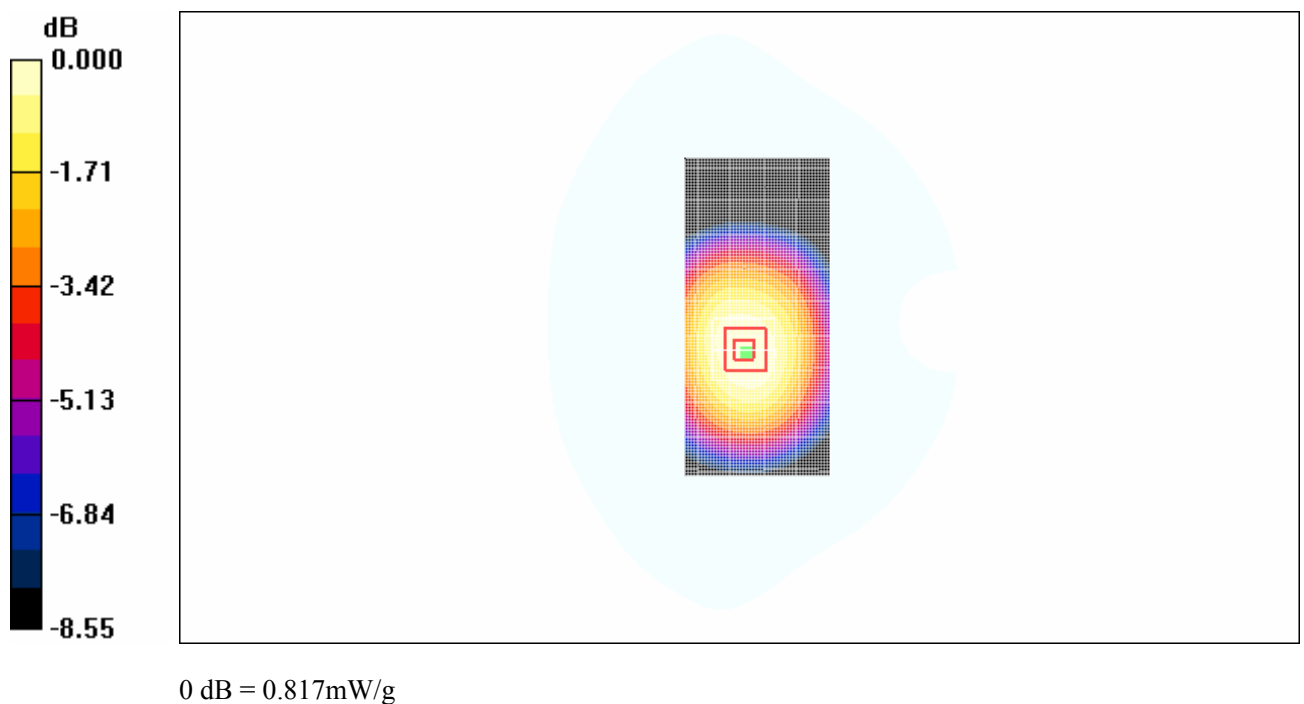
**850 Body Toward Phantom Low with GPRS-slide up**

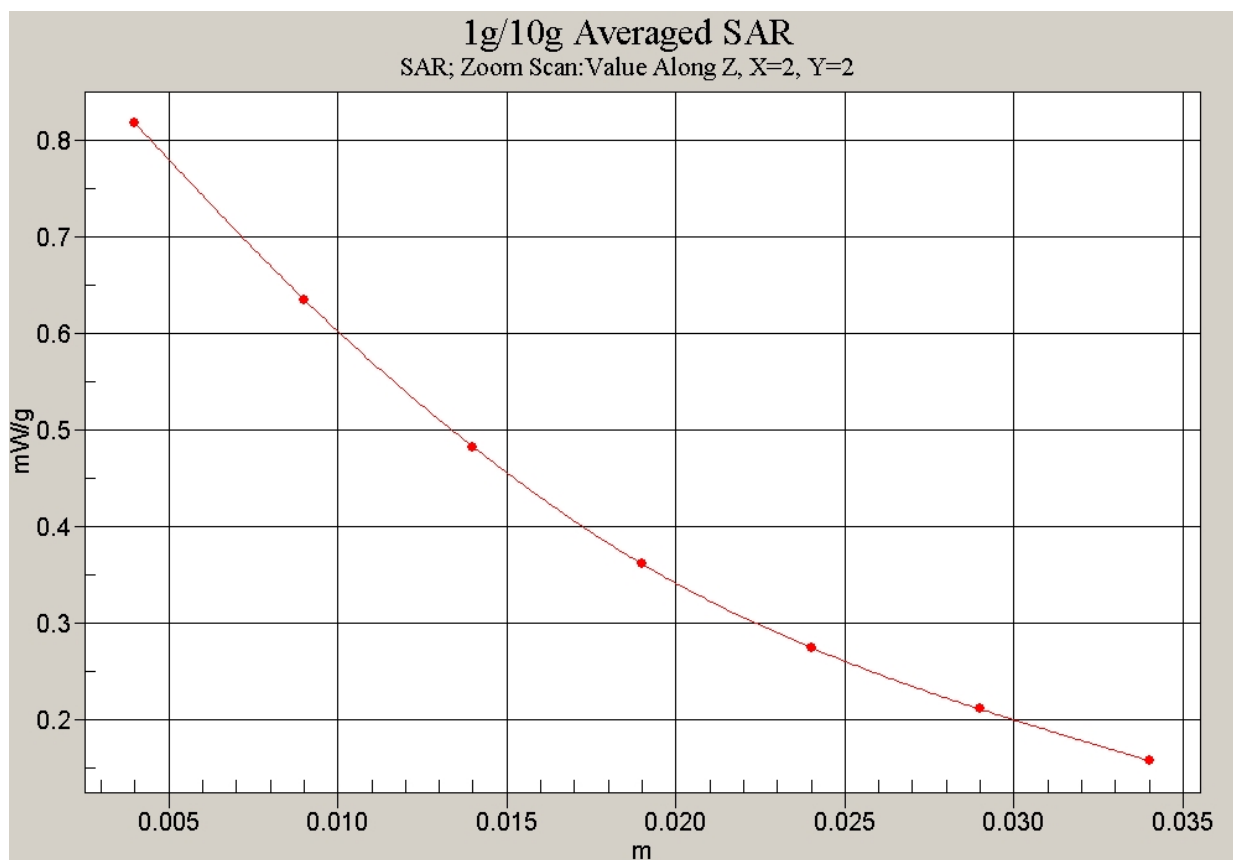
Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.96 \text{ mho/m}$ ;  $\epsilon_r = 55.1$ ;  $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature:  $23.3^\circ\text{C}$       Liquid Temperature:  $22.5^\circ\text{C}$ Communication System: GSM 850 GPRS Frequency:  $824.2 \text{ MHz}$  Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

**Toward Phantom Low/Area Scan (51x111x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ Maximum value of SAR (interpolated) =  $0.828 \text{ mW/g}$ **Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $29.3 \text{ V/m}$ ; Power Drift =  $-0.131 \text{ dB}$ Peak SAR (extrapolated) =  $0.966 \text{ W/kg}$ **SAR(1 g) =  $0.776 \text{ mW/g}$ ; SAR(10 g) =  $0.579 \text{ mW/g}$** Maximum value of SAR (measured) =  $0.817 \text{ mW/g}$ **Fig. 113 GSM 850MHz, Body, Towards Phantom with GPRS, CH128**



**Fig. 114 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Phantom with GPRS, CH128)**

**850 Body Toward Ground High with GPRS-slide up**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.983$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 848.8 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

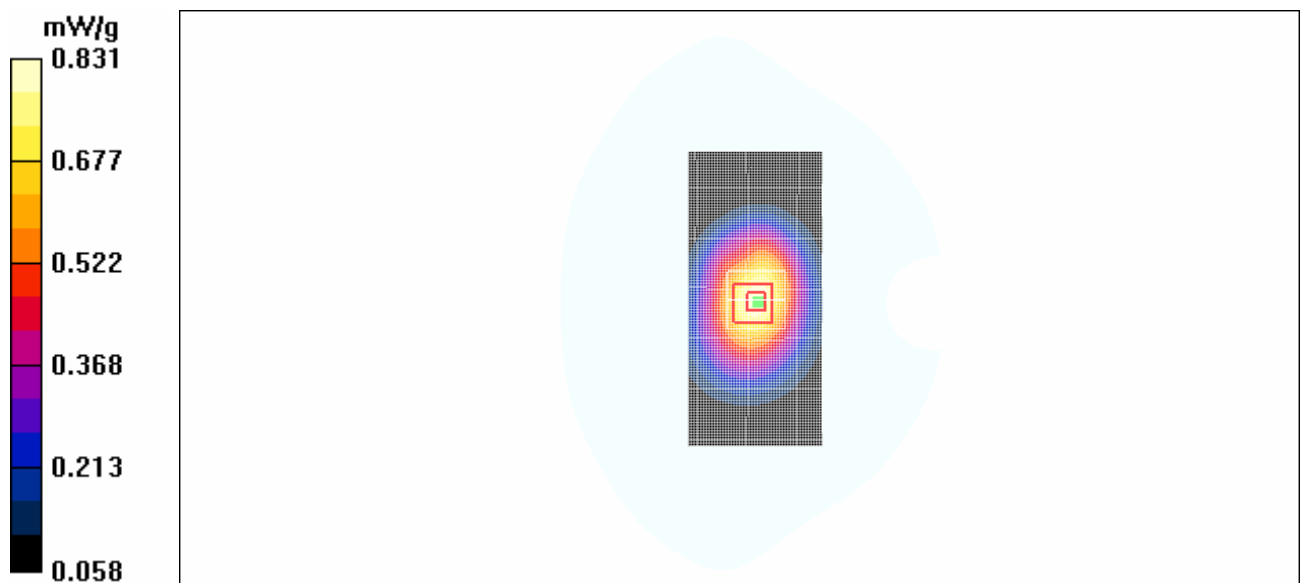
**Toward Ground High/Area Scan (51x111x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.826 mW/g**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.8 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 1.06 W/kg

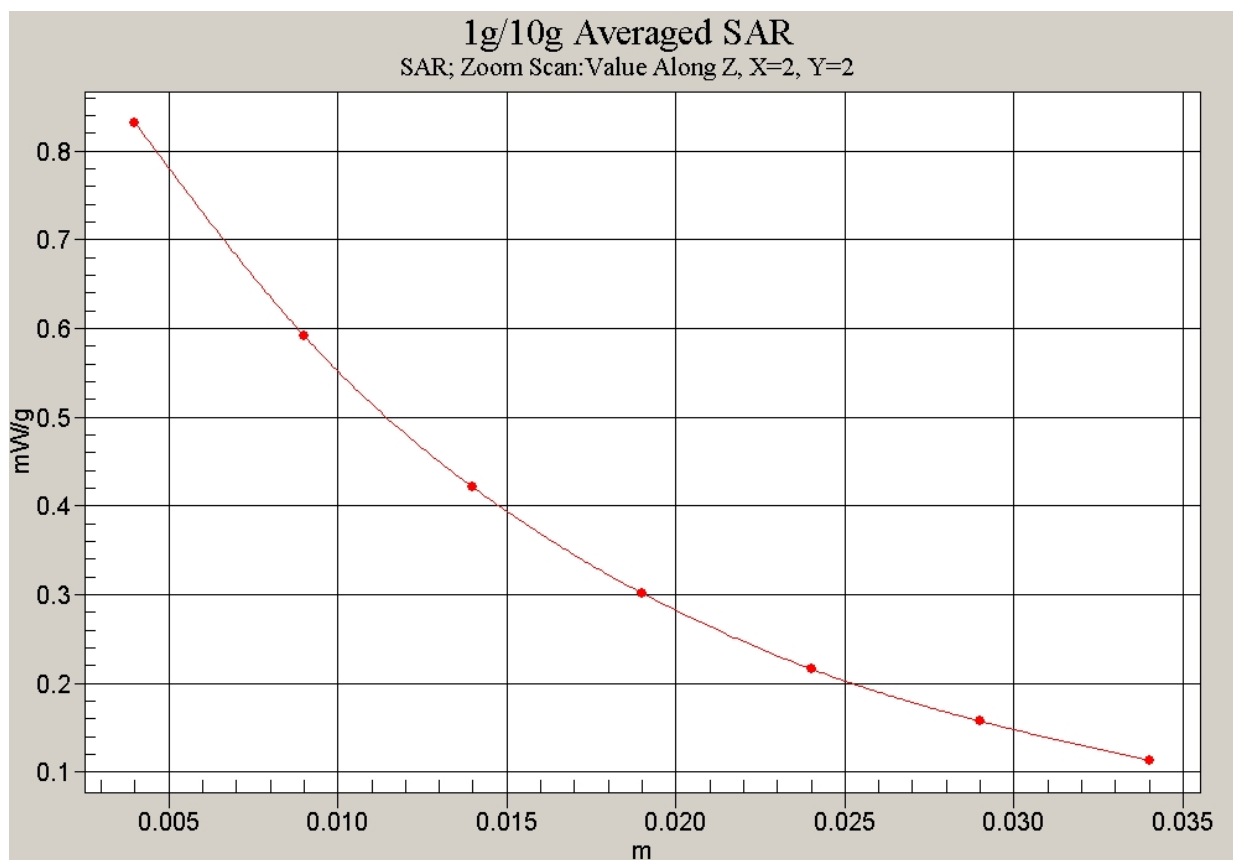
**SAR(1 g) = 0.773 mW/g; SAR(10 g) = 0.533 mW/g**

Maximum value of SAR (measured) = 0.831 mW/g



0 dB = 0.831mW/g

**Fig. 115 GSM 850MHz, Body, Towards Ground with GPRS, CH251**



**Fig. 116 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Ground with GPRS, CH251)**

**850 Body Toward Ground Middle with GPRS-slide up**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.971$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

**Toward Ground Middle/Area Scan (51x111x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

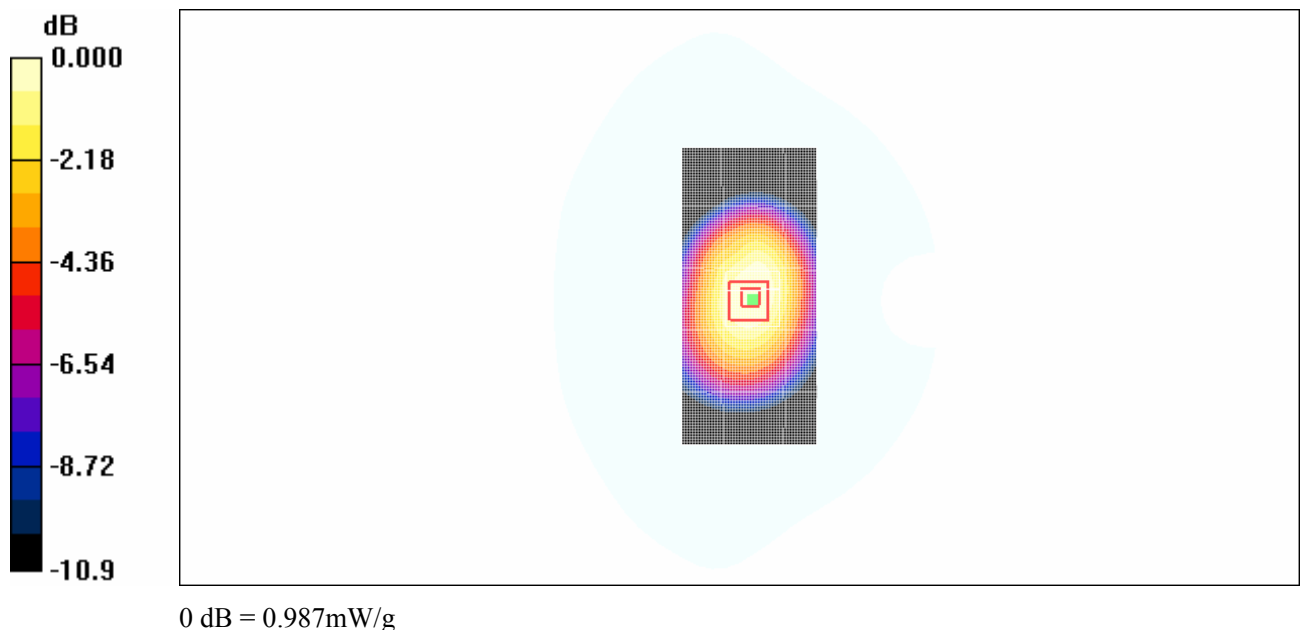
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

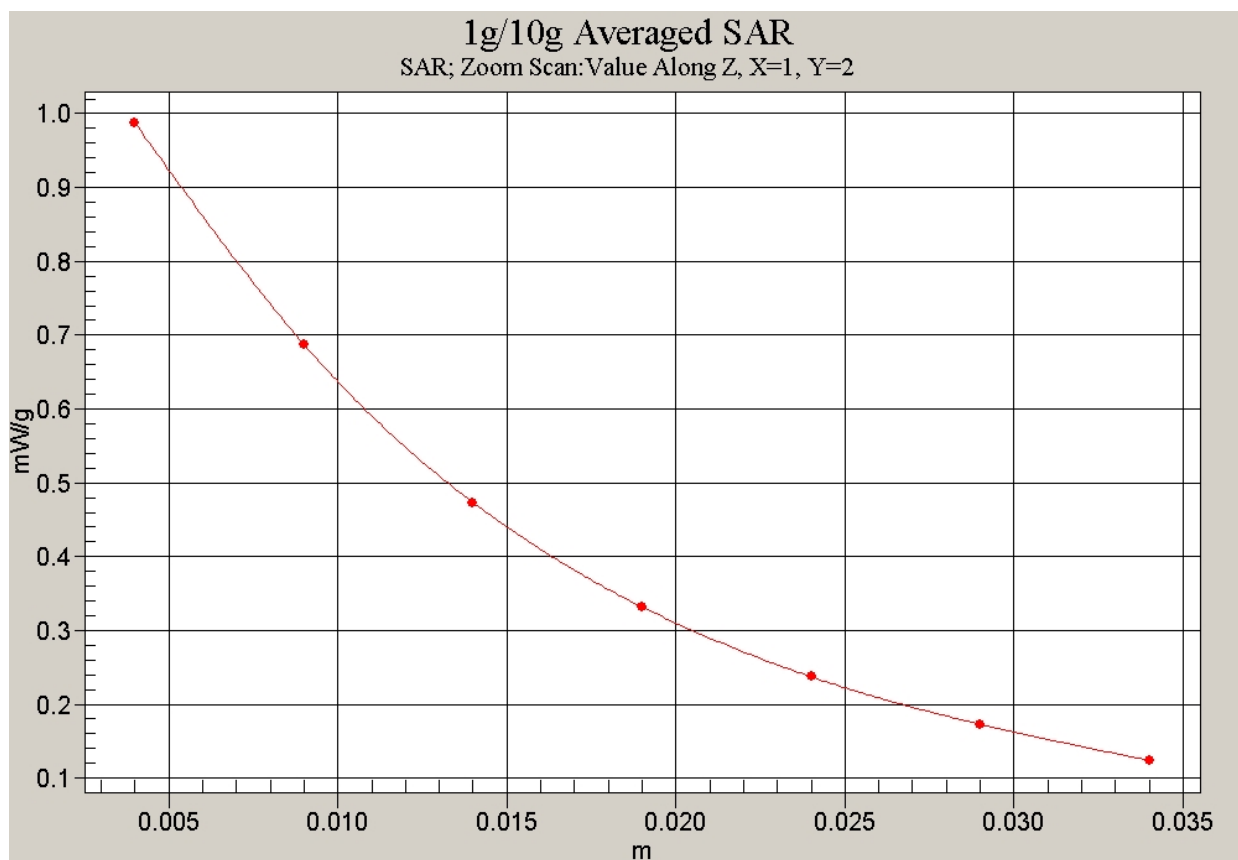
Reference Value = 33.8 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.956 mW/g; SAR(10 g) = 0.661 mW/g**

Maximum value of SAR (measured) = 0.987 mW/g

**Fig. 117 GSM 850MHz, Body, Towards Ground with GPRS, CH190**



**Fig. 118 Z-Scan at power reference point**  
**(GSM 850MHz, Body, Towards Ground with GPRS, CH190)**

**850 Body Toward Ground Low with GPRS-slide up**

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:4

Probe: ET3DV6 - SN1736 ConvF(6.51, 6.51, 6.51)

**Toward Ground Low/Area Scan (51x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.32 mW/g

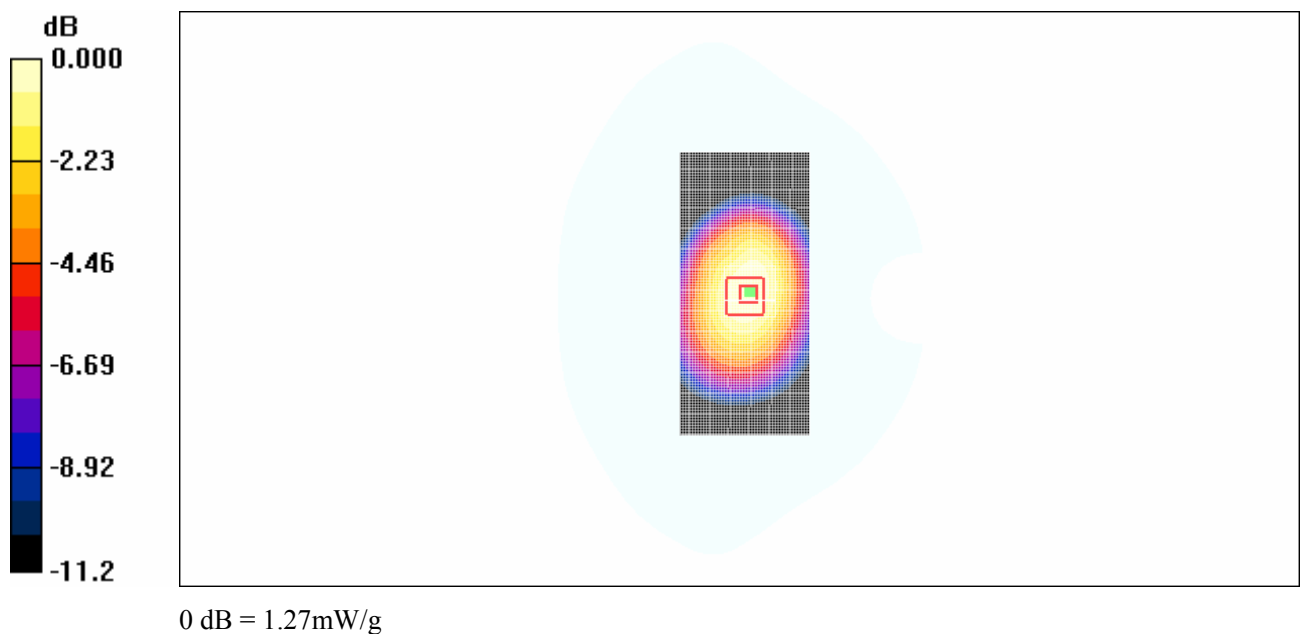
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.2 V/m; Power Drift = -0.176 dB

Peak SAR (extrapolated) = 1.68 W/kg

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.840 mW/g**

Maximum value of SAR (measured) = 1.27 mW/g

**Fig. 119 GSM 850MHz, Body, Towards Ground with GPRS, CH128**