

**850 Right Cheek Low**

Date/Time: 2008-6-10 13:38:54

Electronics: DAE4 Sn777

Medium: 850 Head

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.897$  mho/m;  $\epsilon_r = 44$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Probe: ES3DV3 - SN3142 ConvF(5.97, 5.97, 5.97)

**Cheek Low/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.181 mW/g

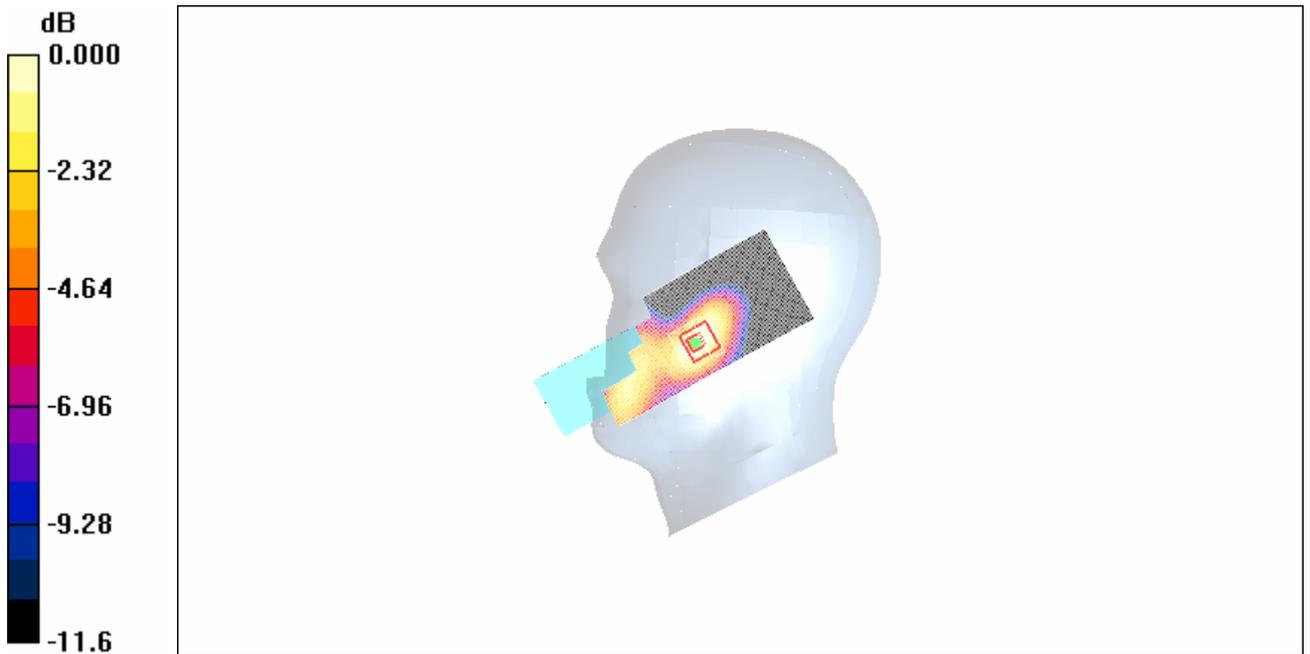
**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,  
 dz=5mm

Reference Value = 3.17 V/m; Power Drift = 0.133 dB

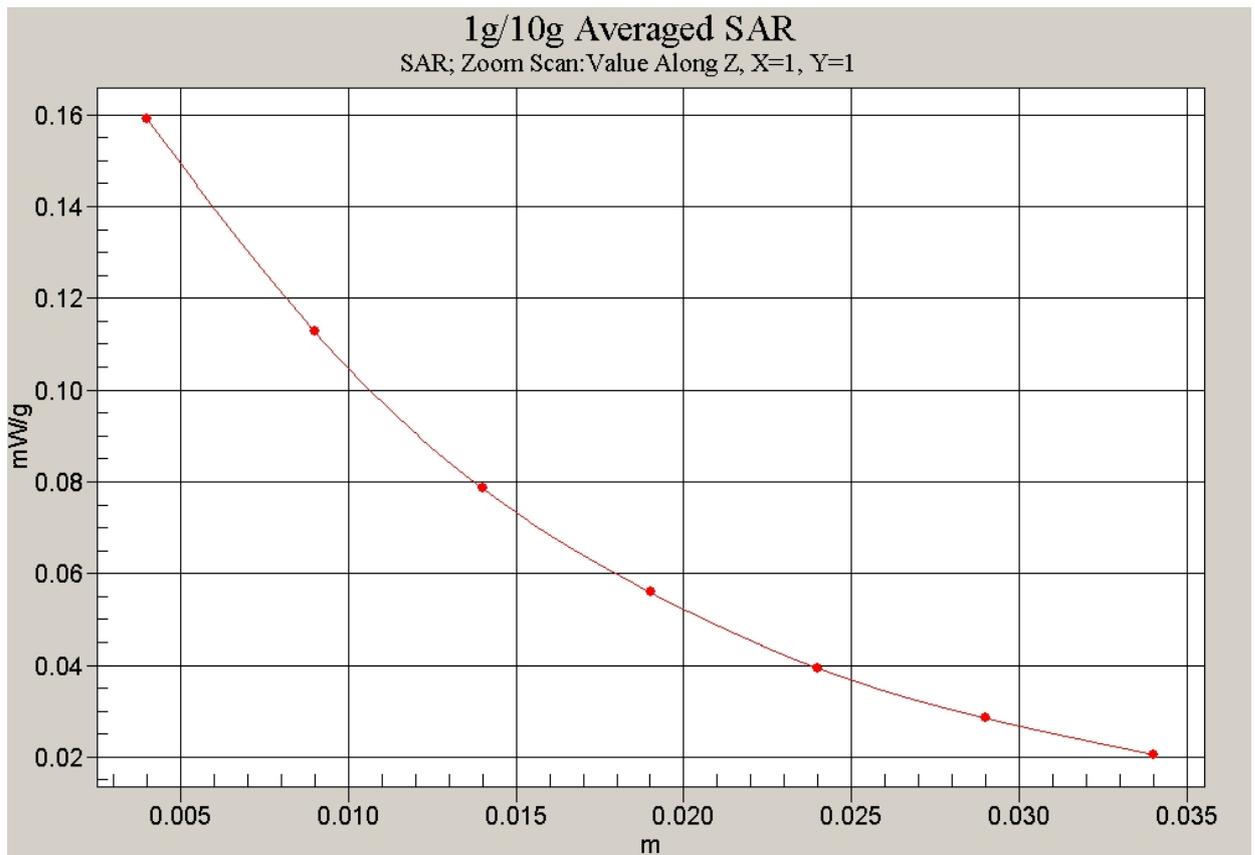
Peak SAR (extrapolated) = 0.249 W/kg

**SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.099 mW/g**

Maximum value of SAR (measured) = 0.159 mW/g



**Fig. 105 Right Hand Touch Cheek 850MHz CH128**



**Fig. 106 Z-Scan at power reference point (850MHz CH128)**

**850 Right Tilt High**

Date/Time: 2008-6-10 13:03:20

Electronics: DAE4 Sn777

Medium: 850 Head

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 43.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Probe: ES3DV3 - SN3142 ConvF(5.97, 5.97, 5.97)

**Tilt High/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm

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

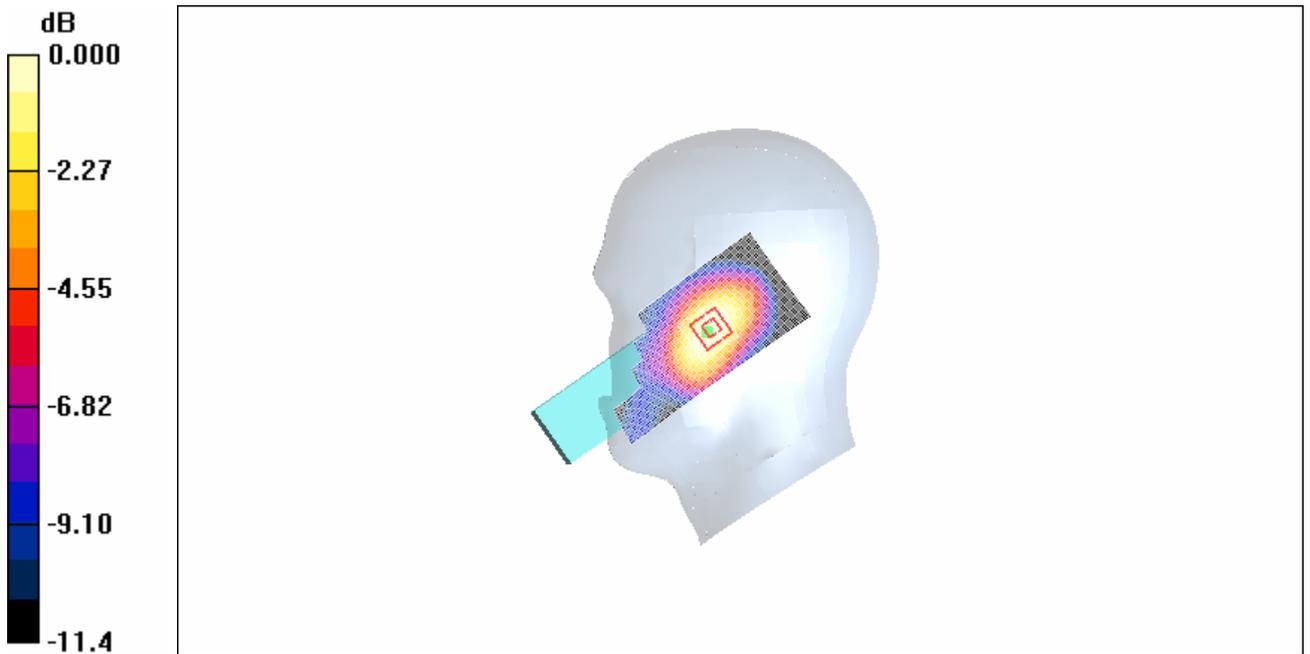
**Tilt High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.11 V/m; Power Drift = -0.185 dB

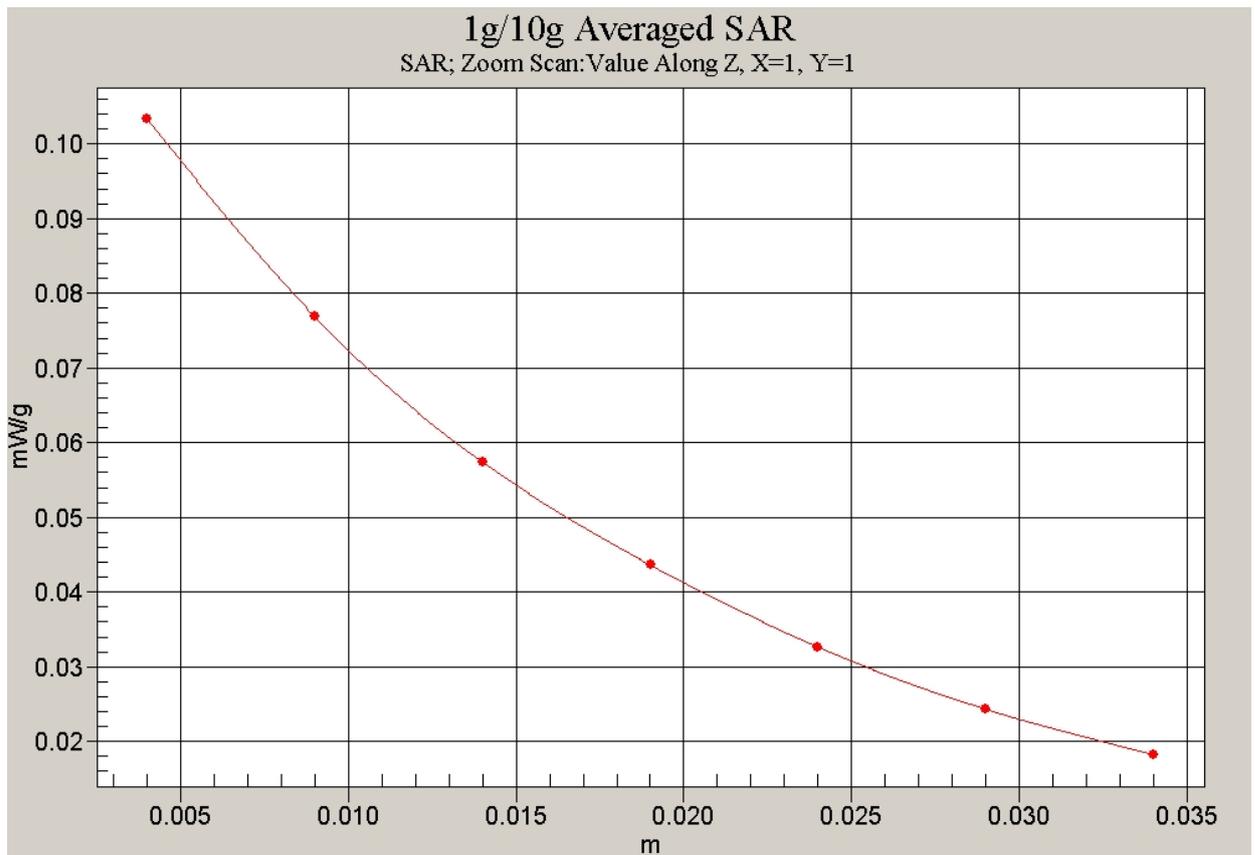
Peak SAR (extrapolated) = 0.134 W/kg

**SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.069 mW/g**

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



**Fig. 107 Right Hand Tilt 15°850MHz CH251**



**Fig. 108 Z-Scan at power reference point (850MHz CH251)**

**850 Right Tilt Middle**

Date/Time: 2008-6-10 13:14:54

Electronics: DAE4 Sn777

Medium: 850 Head

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.909$  mho/m;  $\epsilon_r = 43.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Probe: ES3DV3 - SN3142 ConvF(5.97, 5.97, 5.97)

**Tilt Middle/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.102 mW/g

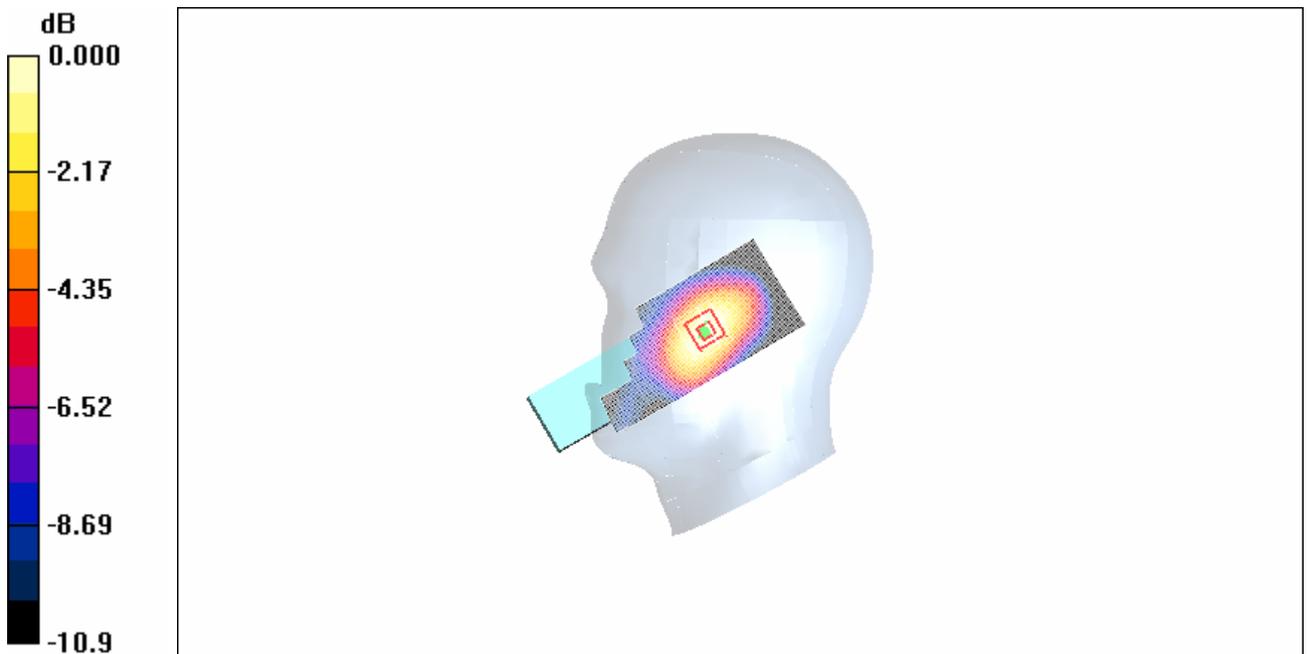
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.78 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.124 W/kg

**SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.065 mW/g**

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



0 dB = 0.096mW/g

**Fig. 109 Right Hand Tilt 15°850MHz CH190**

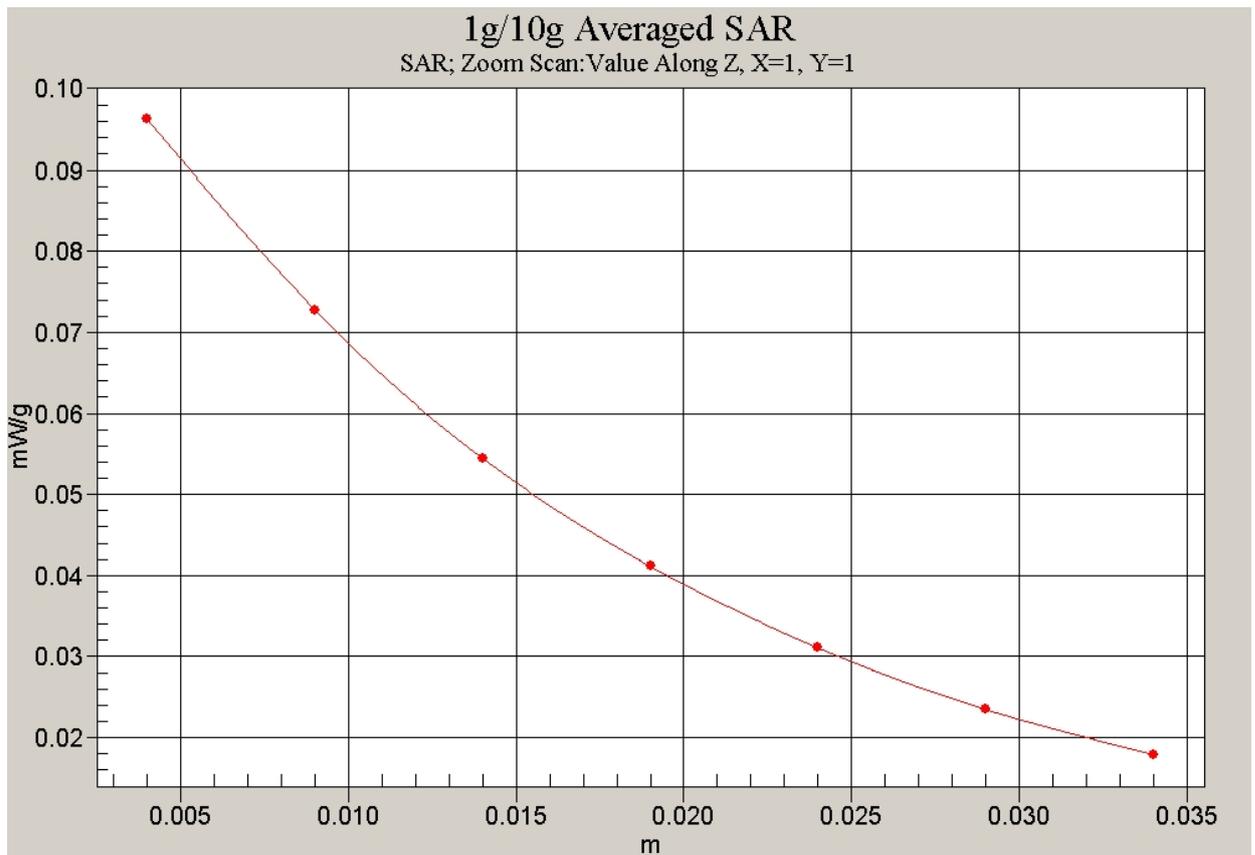


Fig. 110 Z-Scan at power reference point (850MHz CH190)

**850 Right Tilt Low**

Date/Time: 2008-6-10 13:27:18

Electronics: DAE4 Sn777

Medium: 850 Head

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.897 \text{ mho/m}$ ;  $\epsilon_r = 44$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.3^\circ\text{C}$       Liquid Temperature:  $22.5^\circ\text{C}$

Communication System: GSM 850 Frequency:  $824.2 \text{ MHz}$  Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3142 ConvF(5.97, 5.97, 5.97)

**Tilt Low/Area Scan (51x141x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) =  $0.080 \text{ mW/g}$

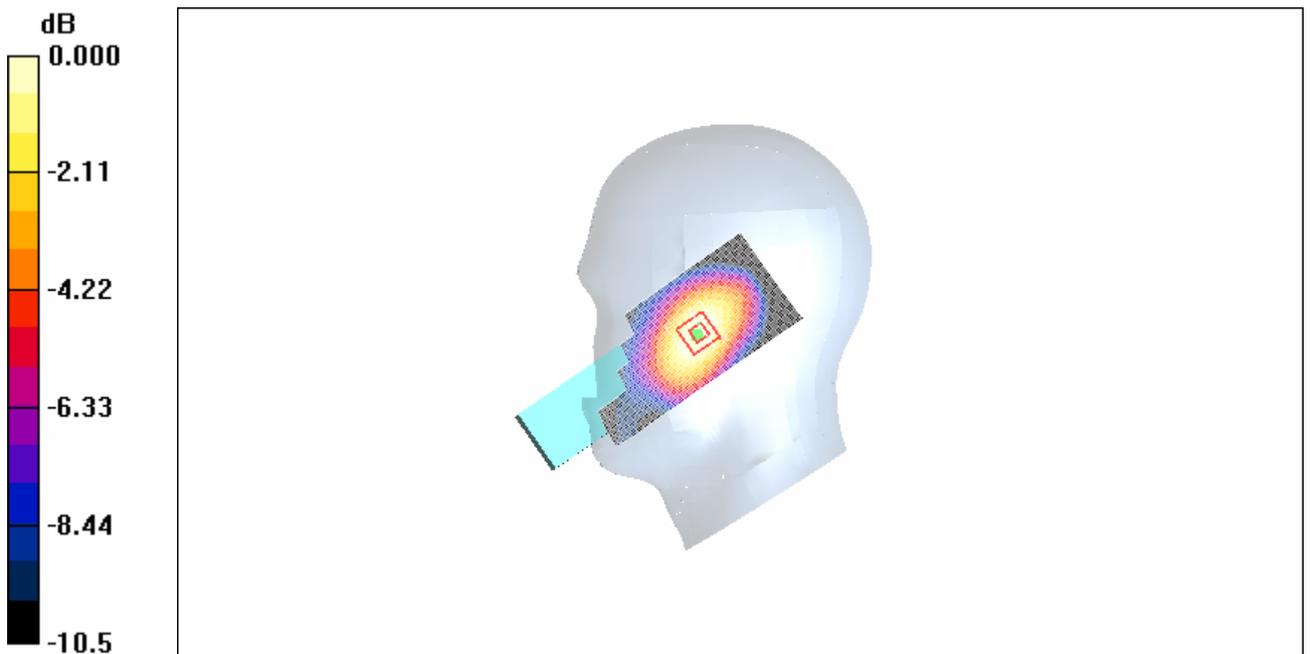
**Tilt Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $5.99 \text{ V/m}$ ; Power Drift =  $-0.200 \text{ dB}$

Peak SAR (extrapolated) =  $0.092 \text{ W/kg}$

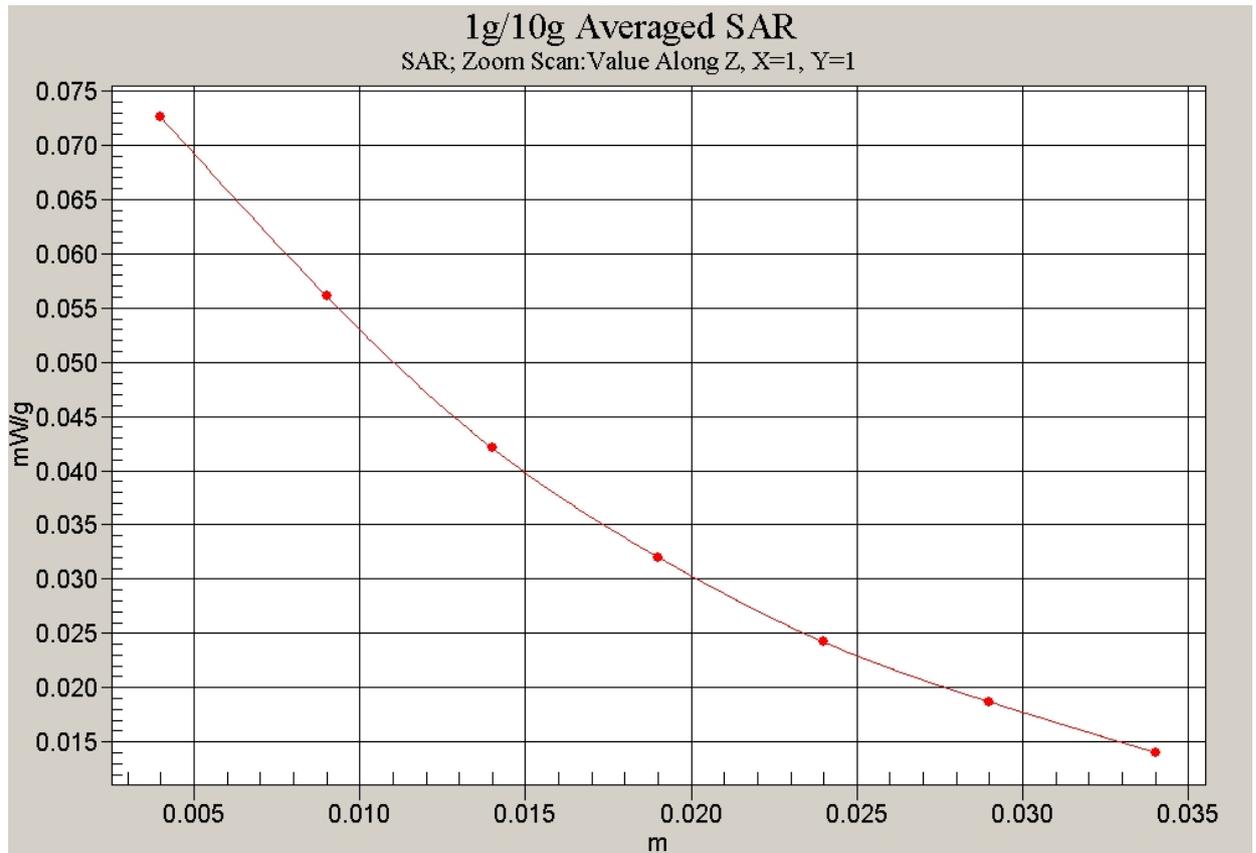
**SAR(1 g) =  $0.071 \text{ mW/g}$ ; SAR(10 g) =  $0.050 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.073 \text{ mW/g}$



0 dB =  $0.073\text{mW/g}$

**Fig. 111 Right Hand Tilt  $15^\circ$ 850MHz CH128**



**Fig. 112 Z-Scan at power reference point (850MHz CH128)**

**850 Body Toward Ground High with GPRS-flip opened**

Date/Time: 2008-6-10 18:11:00

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  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: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

**Toward Ground High/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.951 mW/g

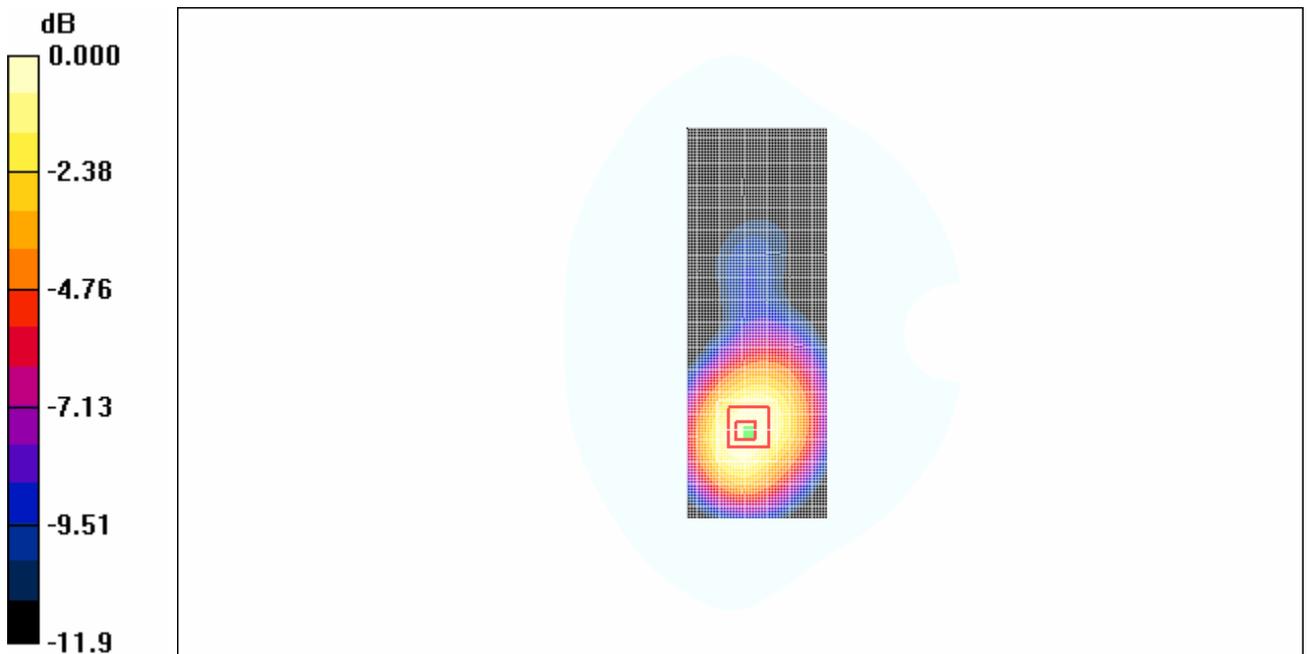
**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 1.26 W/kg

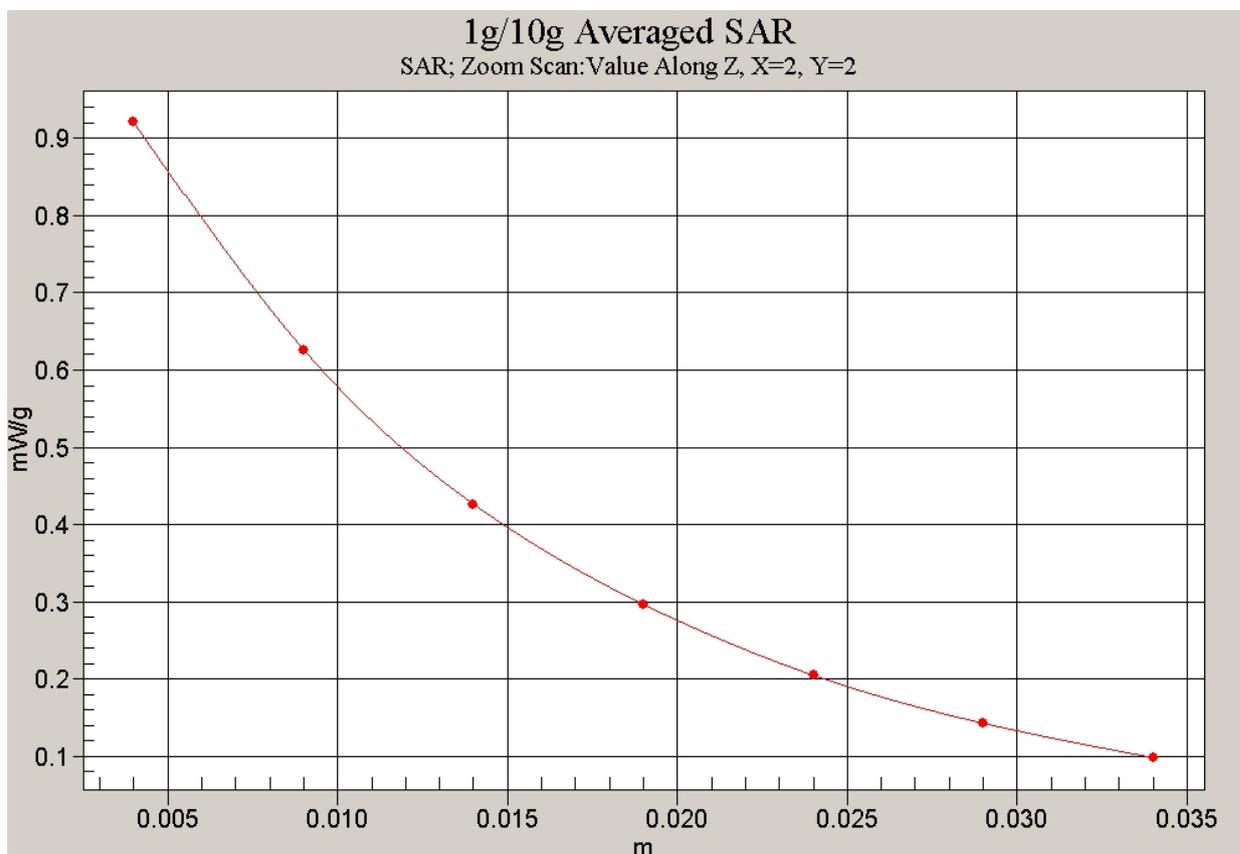
**SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.564 mW/g**

Maximum value of SAR (measured) = 0.921 mW/g



0 dB = 0.921mW/g

**Fig. 113 850MHz Body, Towards Ground with GPRS, CH251-flip opened**



**Fig. 114 Z-Scan at power reference point  
(850MHz Body, Towards Ground with GPRS, CH251-flip opened)**

**850 Body Toward Ground Middle with GPRS-flip opened**

Date/Time: 2008-6-10 18:23:14

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.00$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  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: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

**Toward Ground Middle/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.882 mW/g

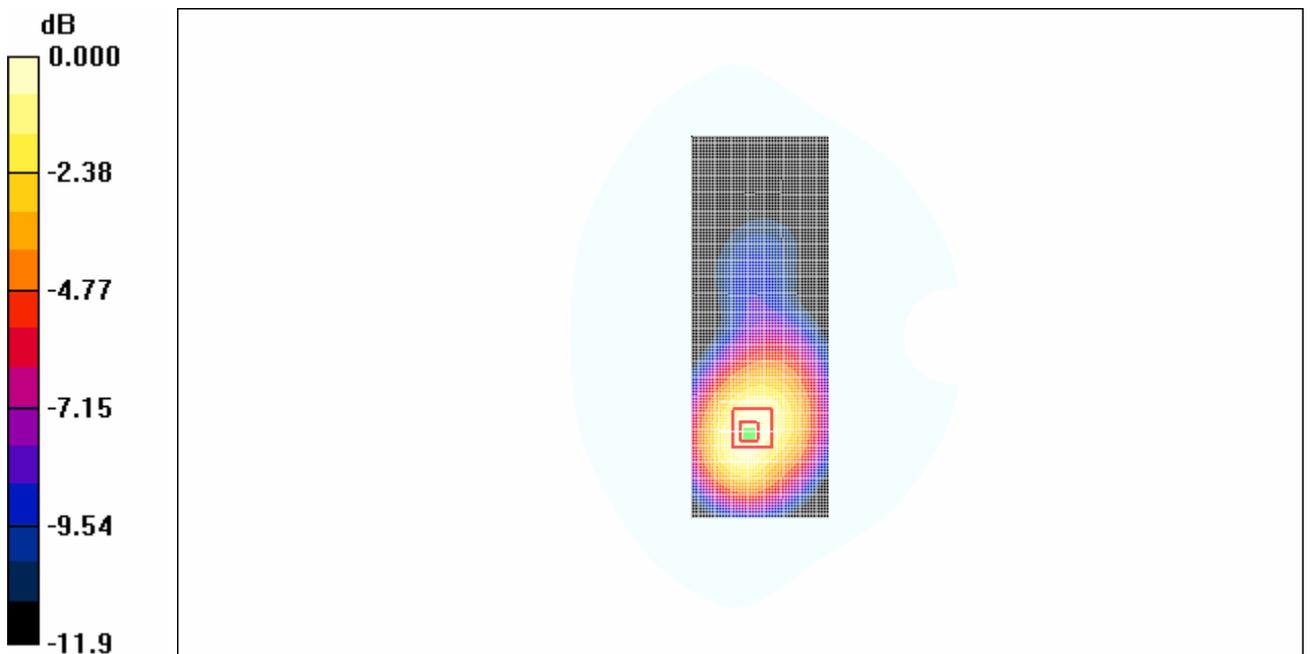
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = 0.145 dB

Peak SAR (extrapolated) = 1.20 W/kg

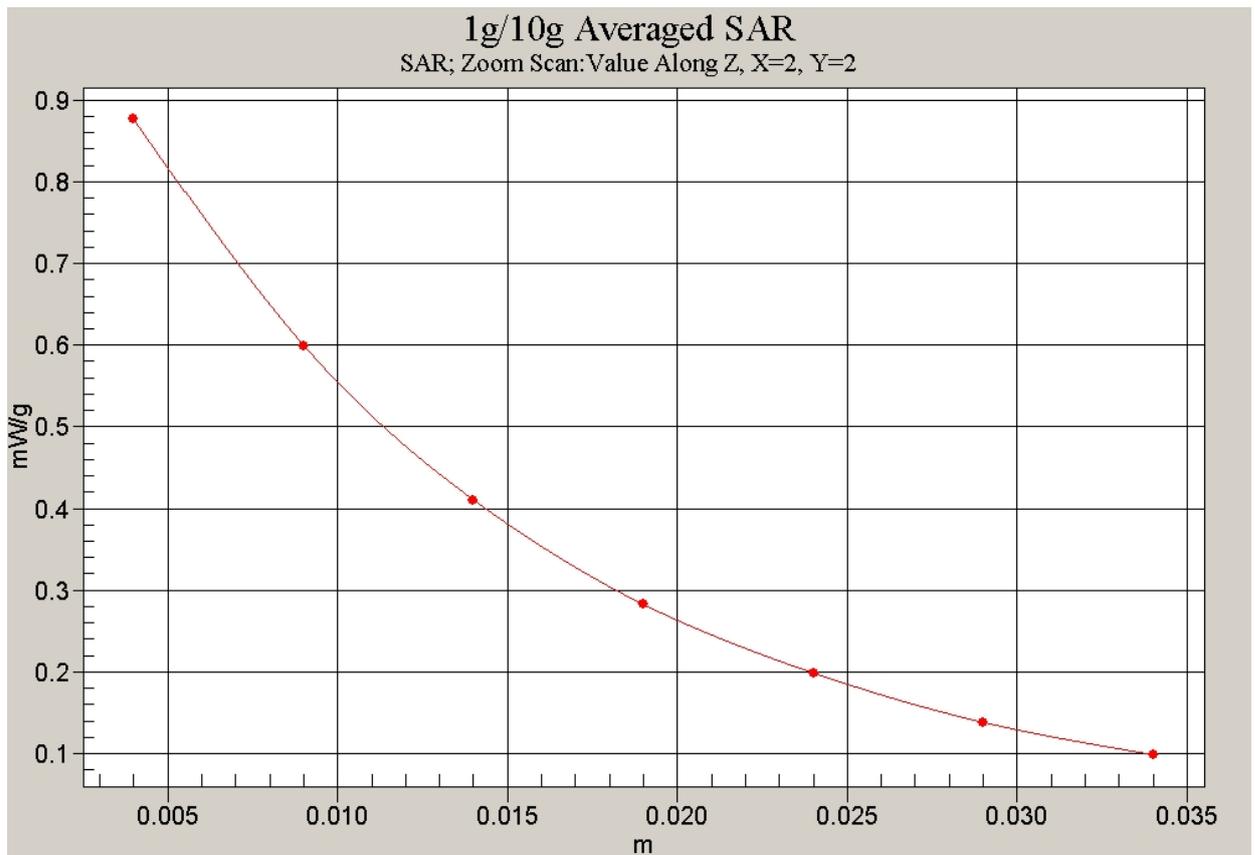
**SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.536 mW/g**

Maximum value of SAR (measured) = 0.871 mW/g



0 dB = 0.871mW/g

**Fig. 115 850MHz Body, Towards Ground with GPRS, CH190-flip opened**



**Fig. 116 Z-Scan at power reference point  
(850MHz Body, Towards Ground with GPRS, CH190-flip opened)**

**850 Body Toward Ground Low with GPRS-flip opened**

Date/Time: 2008-6-10 18:34:00

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.99 \text{ mho/m}$ ;  $\epsilon_r = 53.3$ ;  $\rho = 1000 \text{ kg/m}^3$

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: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

**Toward Ground Low/Area Scan (51x141x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
 Maximum value of SAR (interpolated) =  $0.789 \text{ mW/g}$

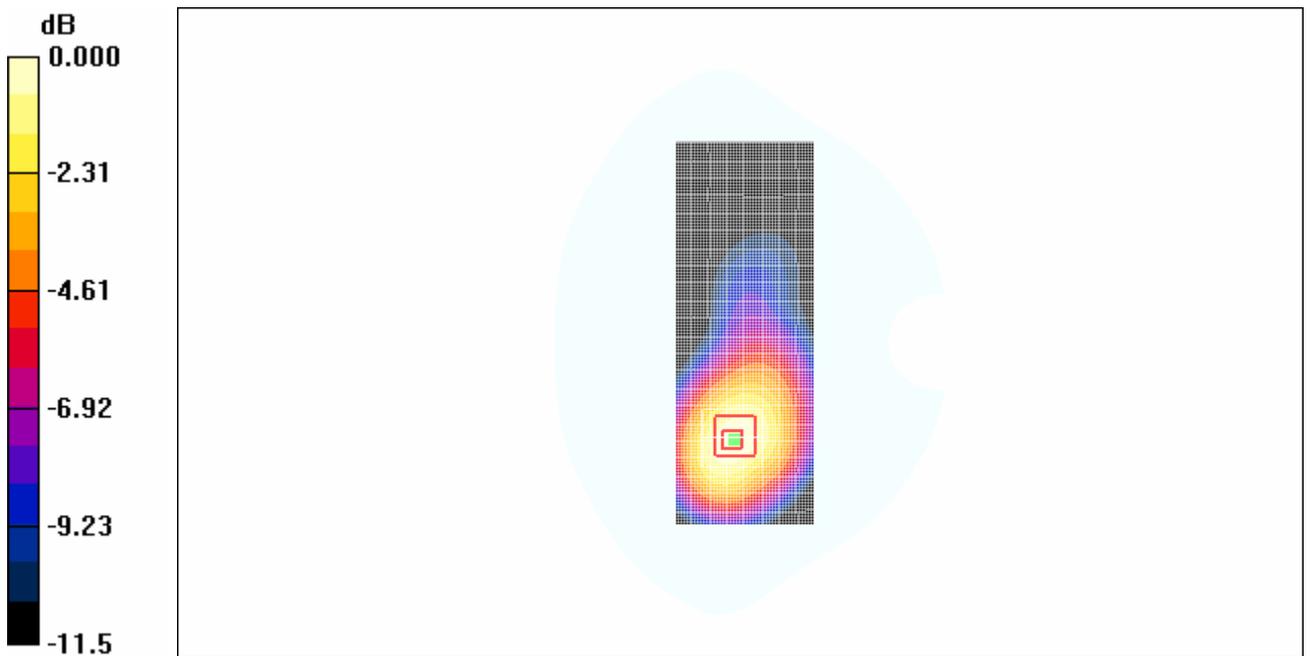
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  
 $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $13.7 \text{ V/m}$ ; Power Drift =  $-0.140 \text{ dB}$

Peak SAR (extrapolated) =  $1.06 \text{ W/kg}$

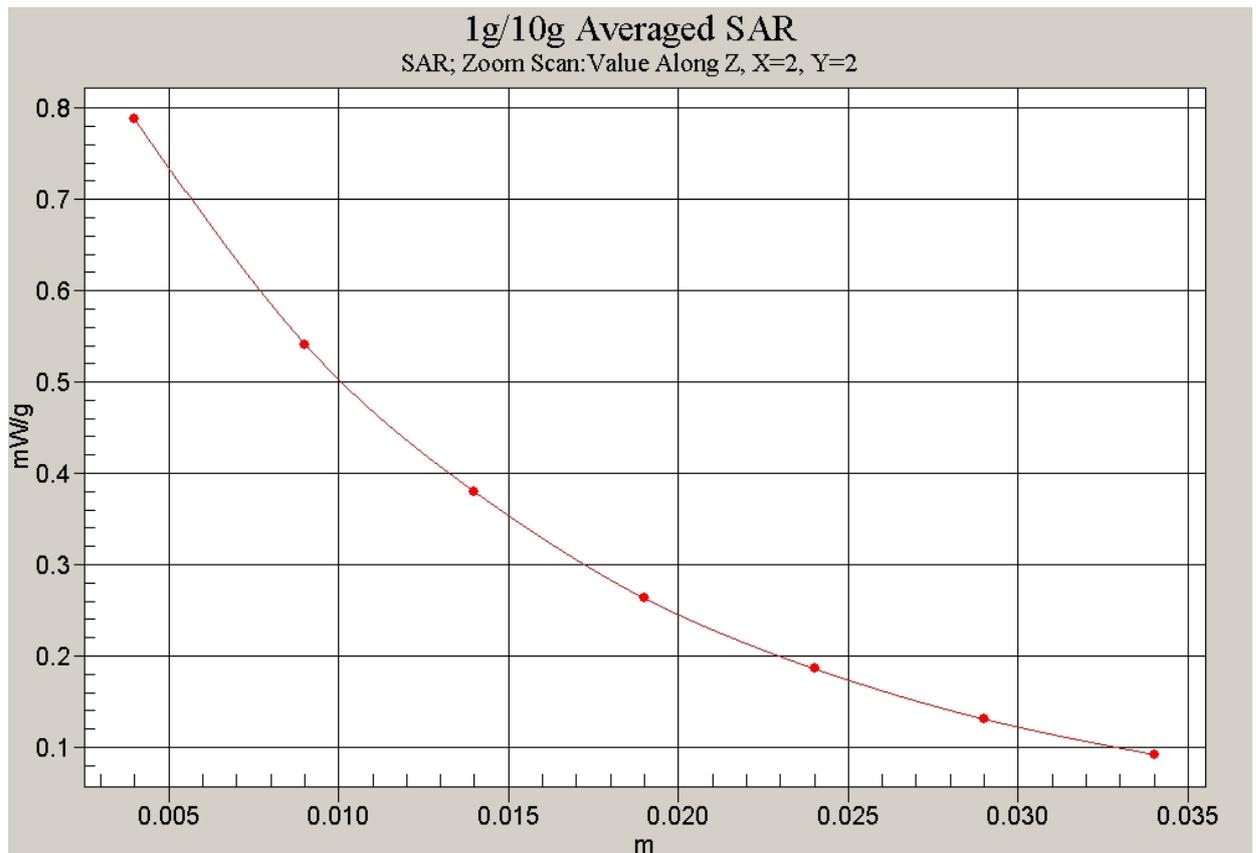
**SAR(1 g) =  $0.731 \text{ mW/g}$ ; SAR(10 g) =  $0.491 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.788 \text{ mW/g}$



0 dB =  $0.788\text{mW/g}$

**Fig. 117 850MHz Body, Towards Ground with GPRS, CH128-flip opened**



**Fig. 118 Z-Scan at power reference point  
(850MHz Body, Towards Ground with GPRS, CH128-flip opened)**

**850 Body Toward Ground High with EGPRS-flip opened**

Date/Time: 2008-6-10 18:45:28

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  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: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

**Toward Ground High/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.223 mW/g

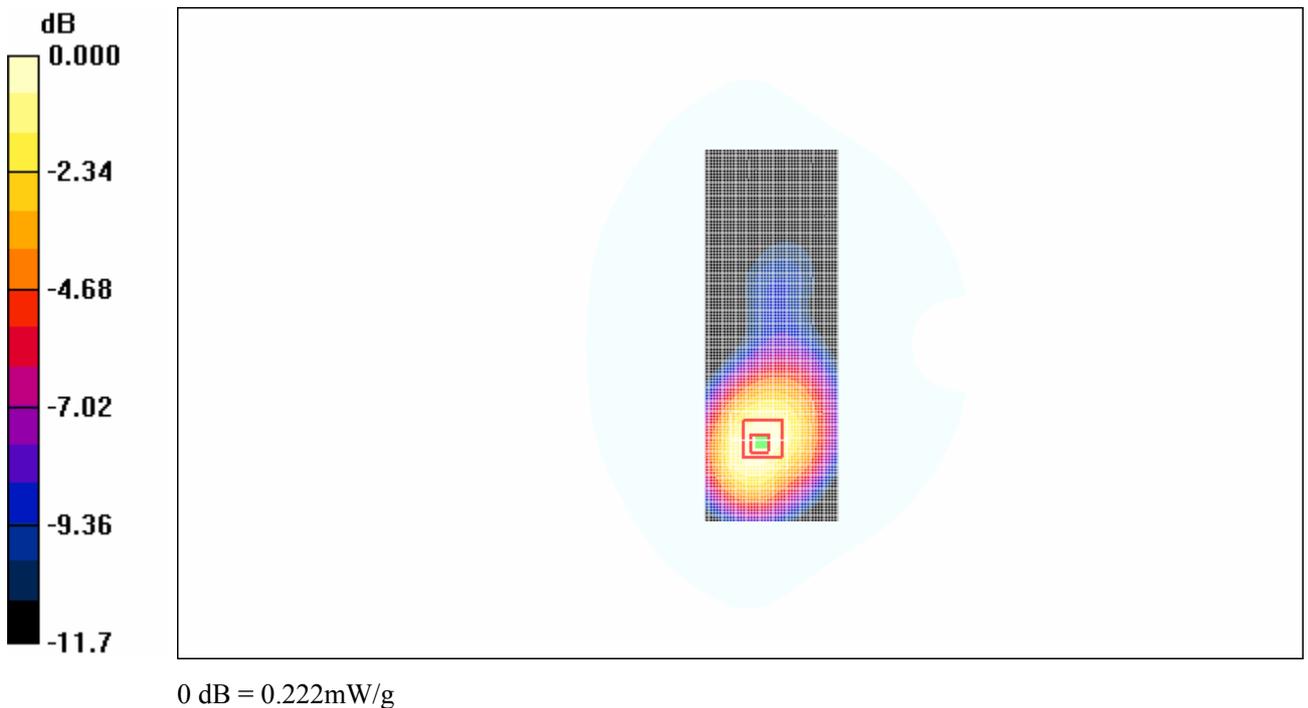
**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.88 V/m; Power Drift = 0.197 dB

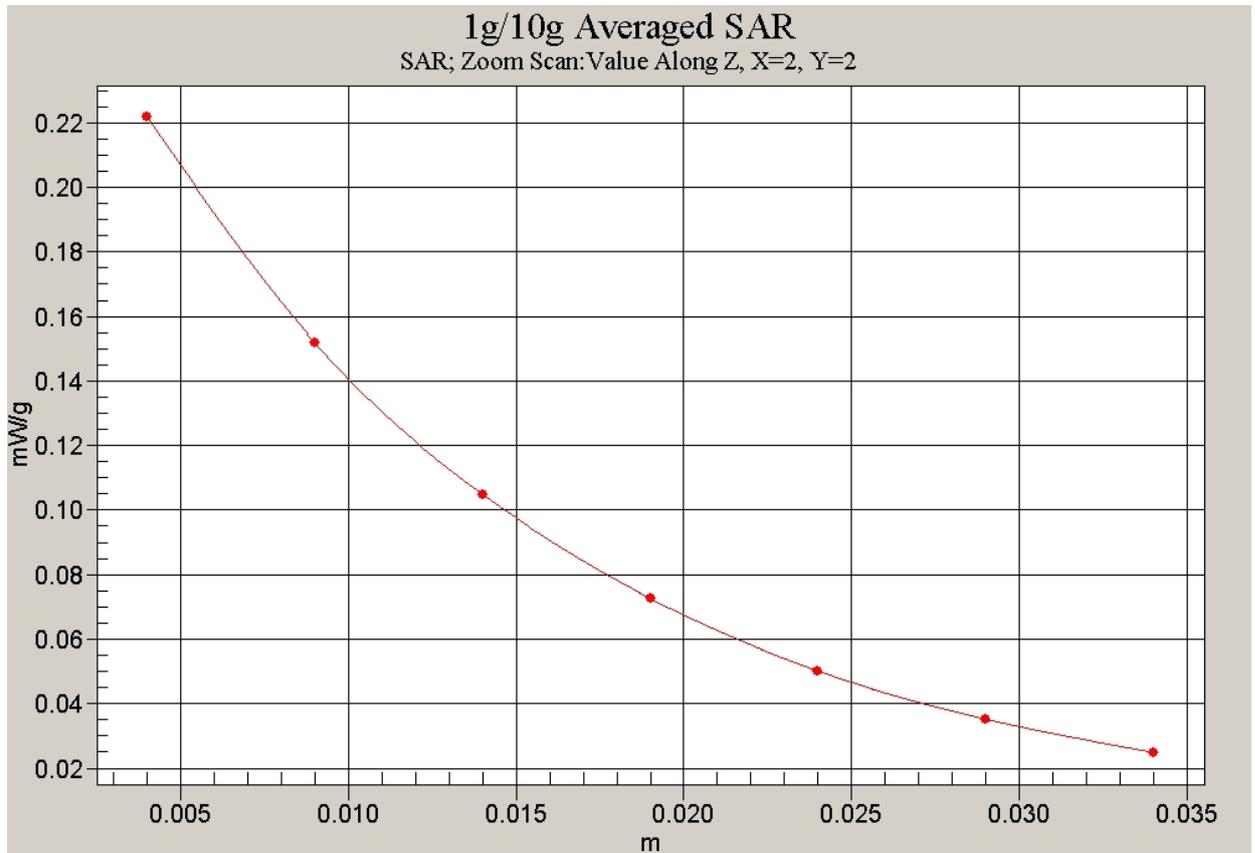
Peak SAR (extrapolated) = 0.301 W/kg

**SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.136 mW/g**

Maximum value of SAR (measured) = 0.222 mW/g



**Fig. 119 850MHz Body, Towards Ground with EGPRS, CH251-flip opened**



**Fig. 120 Z-Scan at power reference point  
(850MHz Body, Towards ground with EGPRS, CH251-flip opened)**

**850 Body Toward Ground High with Bluetooth function-flip opened**

Date/Time: 2008-6-10 18:57:31

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

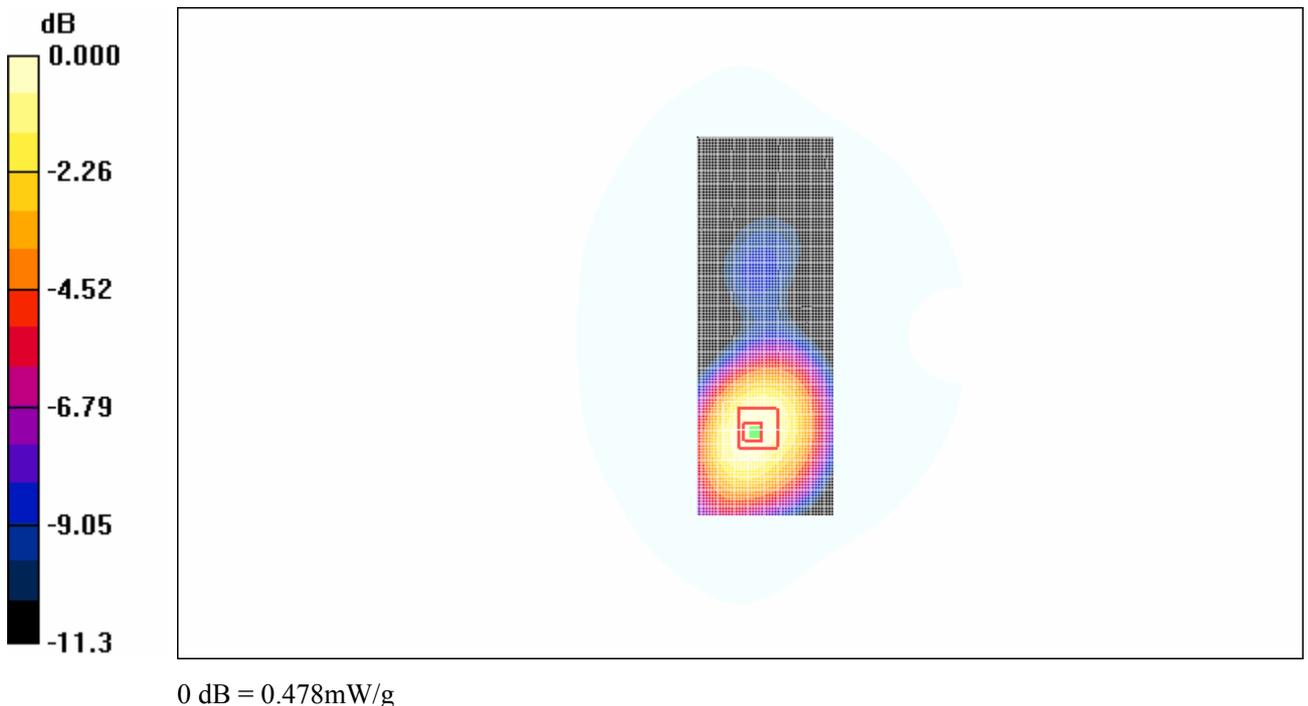
**Toward Ground High/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.499 mW/g**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

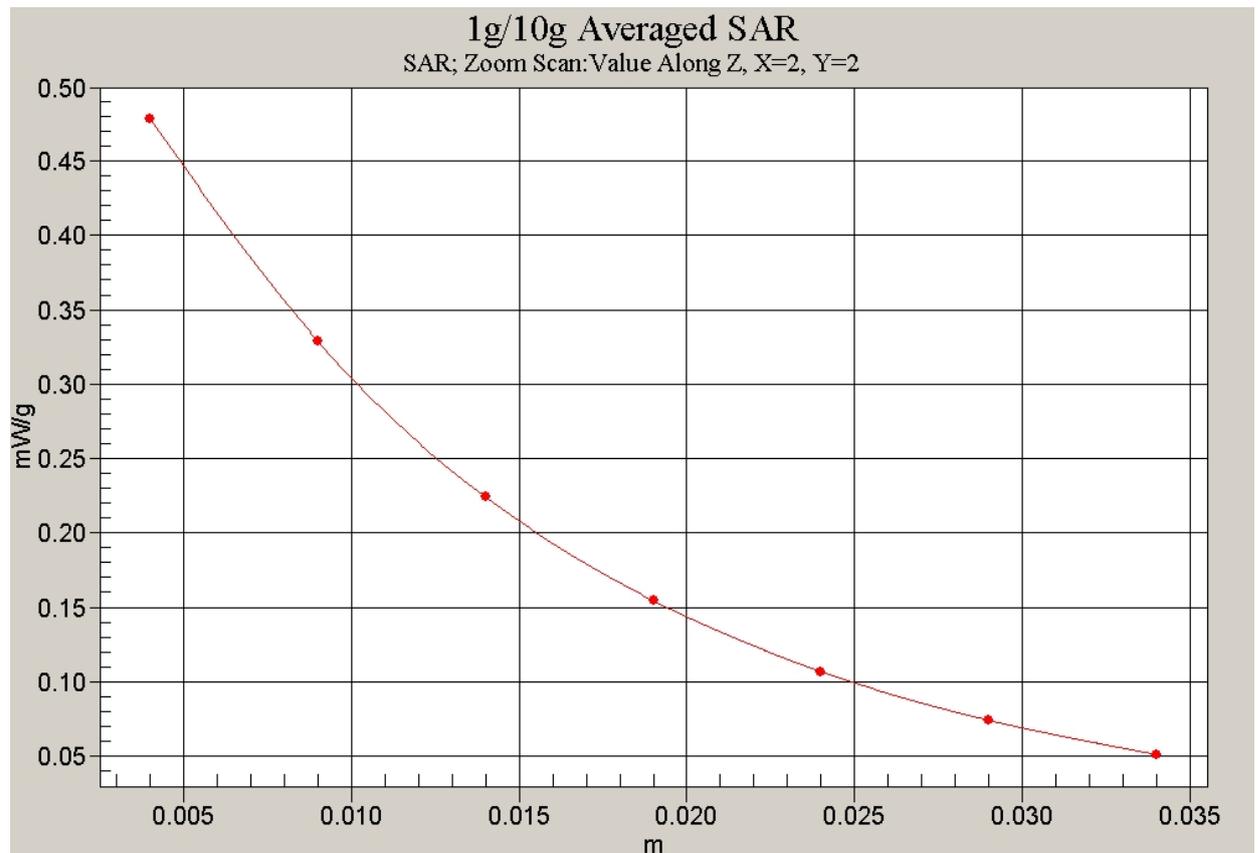
Reference Value = 7.87 V/m; Power Drift = 0.117 dB

Peak SAR (extrapolated) = 0.652 W/kg

**SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.296 mW/g**

Maximum value of SAR (measured) = 0.478 mW/g

**Fig. 121 850MHz Body, Towards Ground with Bluetooth function, CH251-flip opened**



**Fig. 122 Z-Scan at power reference point  
(850MHz Body, Towards ground with Bluetooth function, CH251-flip opened)**

**850 Body Toward Ground High with Headset-flip closed**

Date/Time: 2008-6-10 19:11:34

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

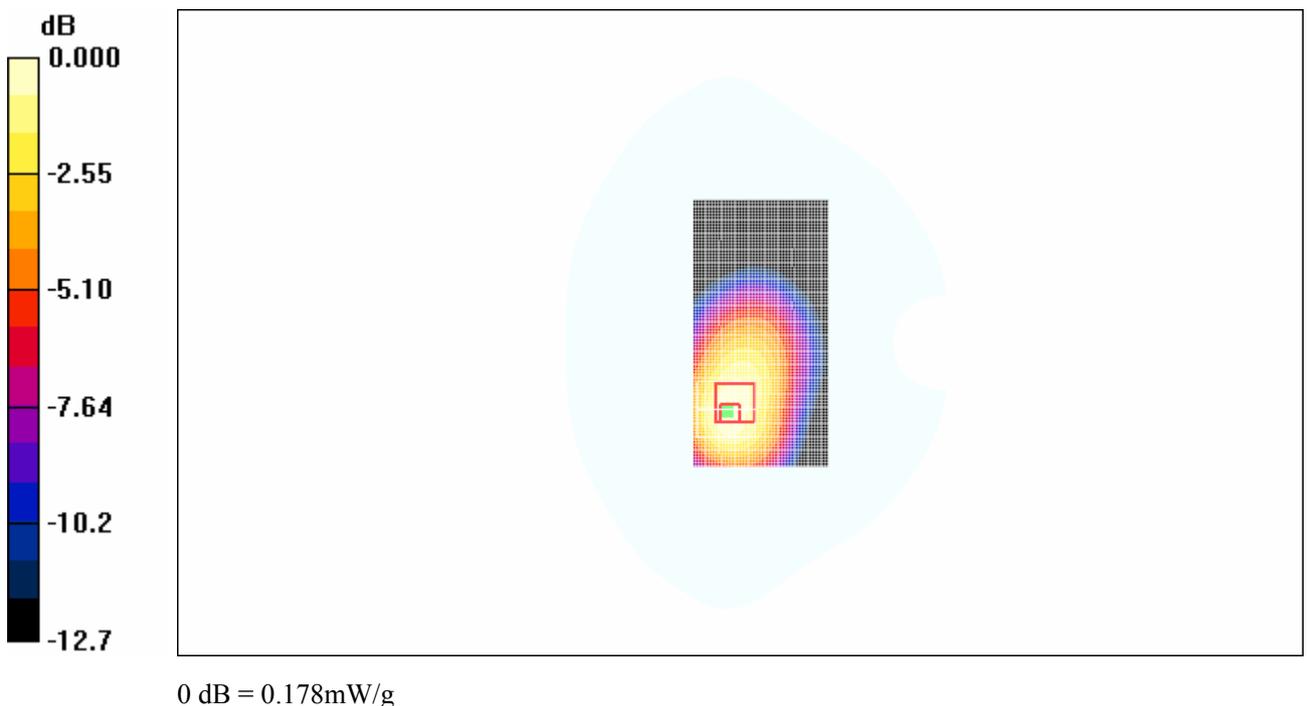
**Toward Ground High/Area Scan (51x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.178 mW/g**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

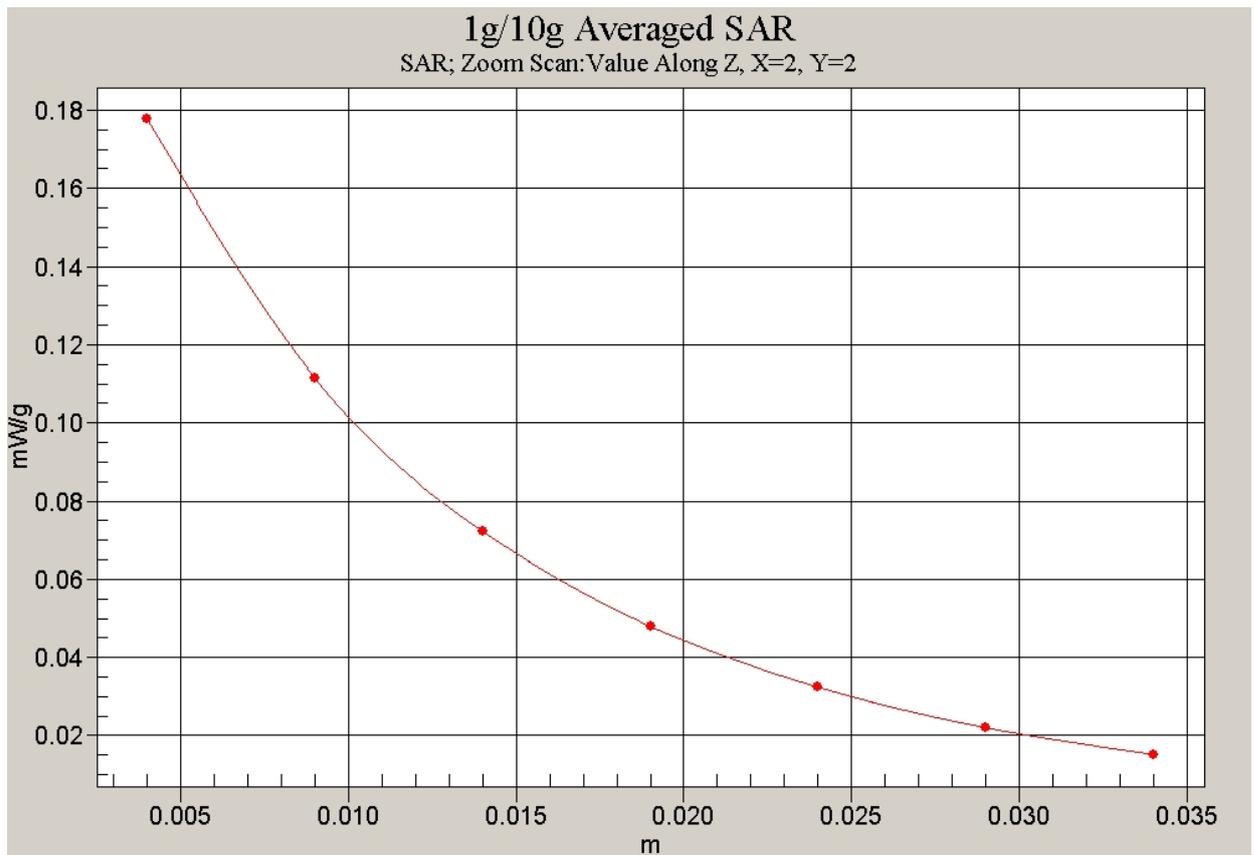
Reference Value = 9.29 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 0.263 W/kg

**SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.104 mW/g**

Maximum value of SAR (measured) = 0.178 mW/g

**Fig. 123 850MHz Body, Towards Ground , CH251-flip closed**



**Fig. 124Z-Scan at power reference point  
(850MHz Body, Towards Ground, CH251-flip closed)**

**850 Body Toward Ground Middle with Headset-flip closed**

Date/Time: 2008-6-10 19:22:08

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.00$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

**Toward Ground Middle/Area Scan (51x101x1):** Measurement grid: dx=10mm, dy=10mm

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

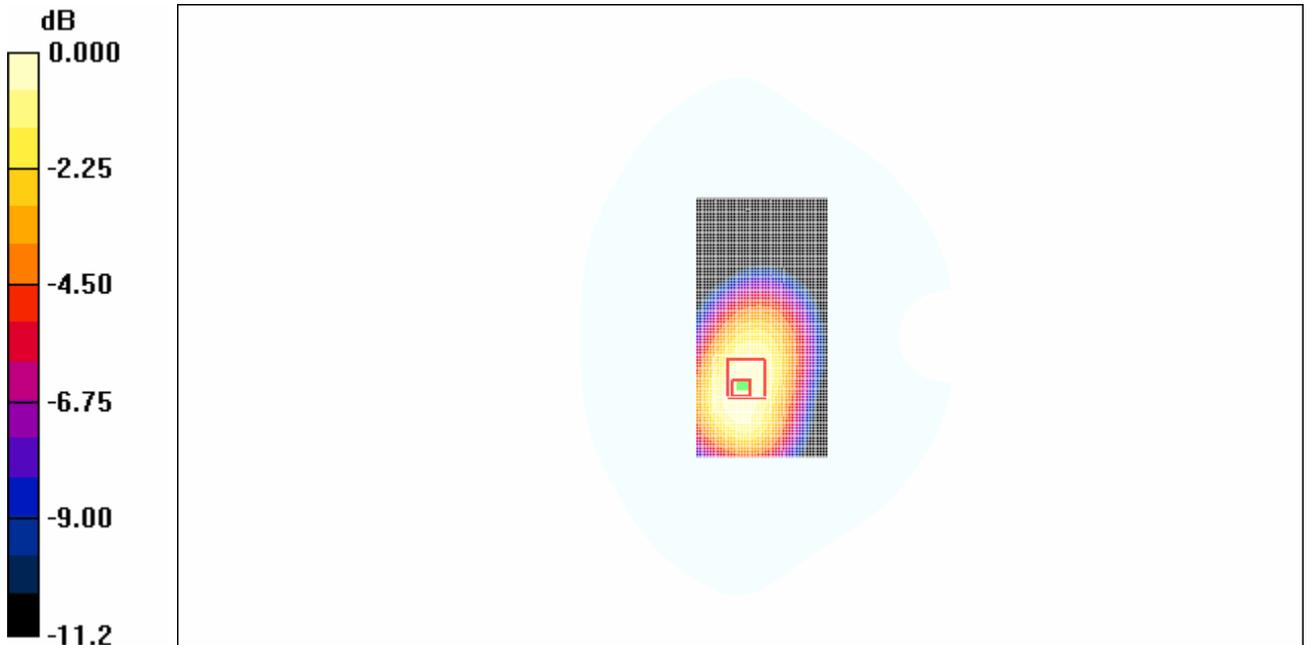
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.0 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.318 W/kg

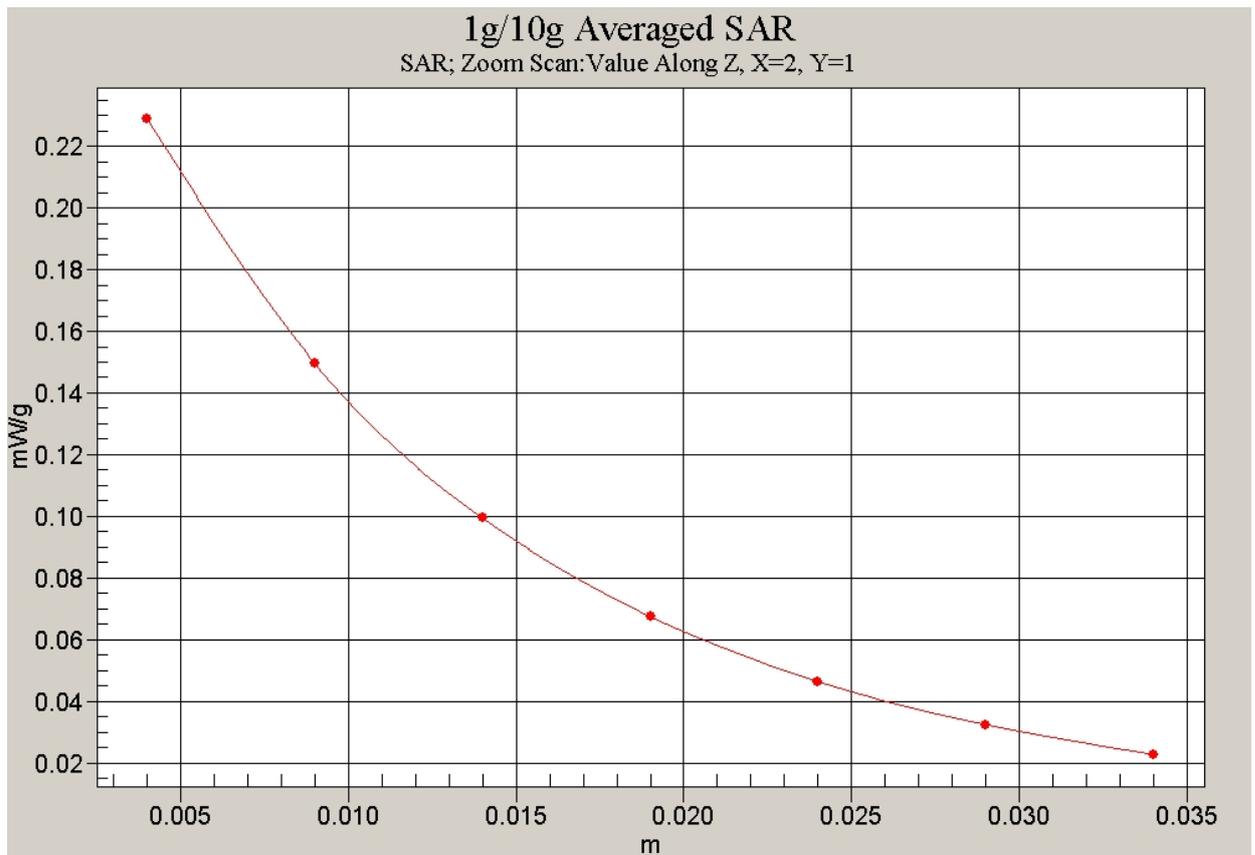
**SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.144 mW/g**

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



0 dB = 0.229mW/g

**Fig. 125 850MHz Body, Towards Ground, CH190-flip closed**



**Fig. 126 Z-Scan at power reference point  
(850MHz Body, Towards Ground, CH190-flip closed)**

**850 Body Toward Ground Low with Headset-flip closed**

Date/Time: 2008-6-10 19:34:28

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.99 \text{ mho/m}$ ;  $\epsilon_r = 53.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.3^\circ\text{C}$       Liquid Temperature:  $22.5^\circ\text{C}$

Communication System: GSM 850 Frequency:  $824.2 \text{ MHz}$  Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

**Toward Ground Low/Area Scan (51x101x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
 Maximum value of SAR (interpolated) =  $0.297 \text{ mW/g}$

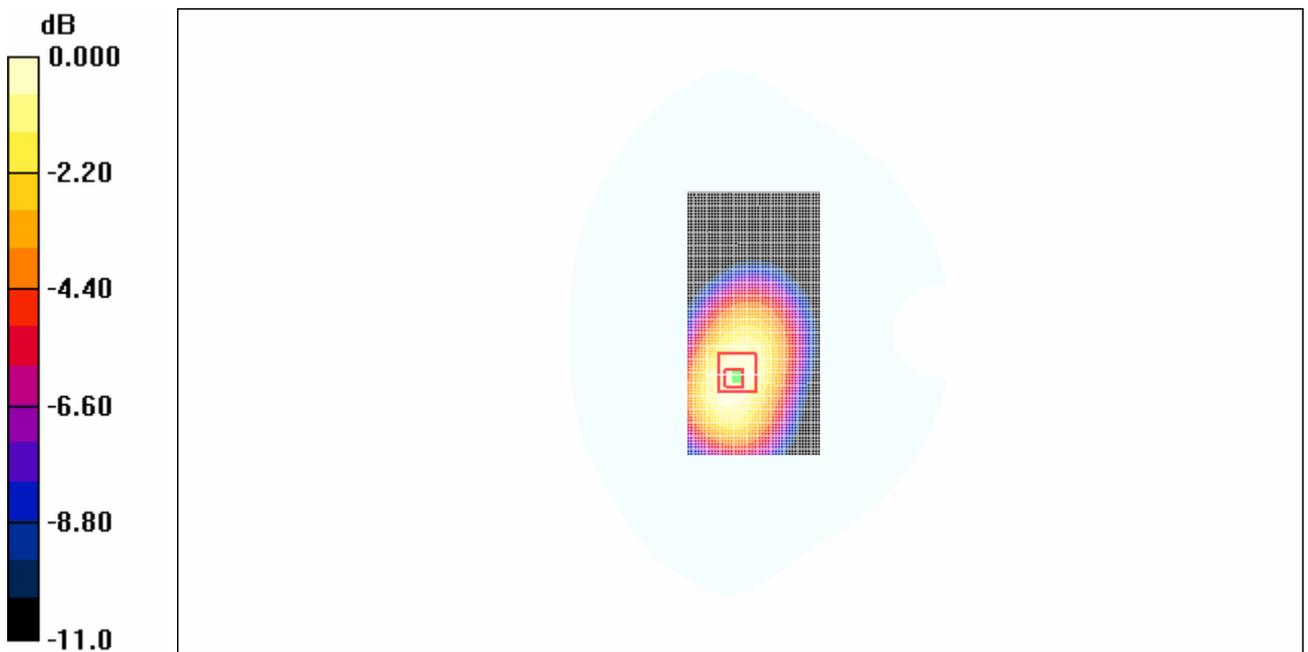
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $13.8 \text{ V/m}$ ; Power Drift =  $0.149 \text{ dB}$

Peak SAR (extrapolated) =  $0.402 \text{ W/kg}$

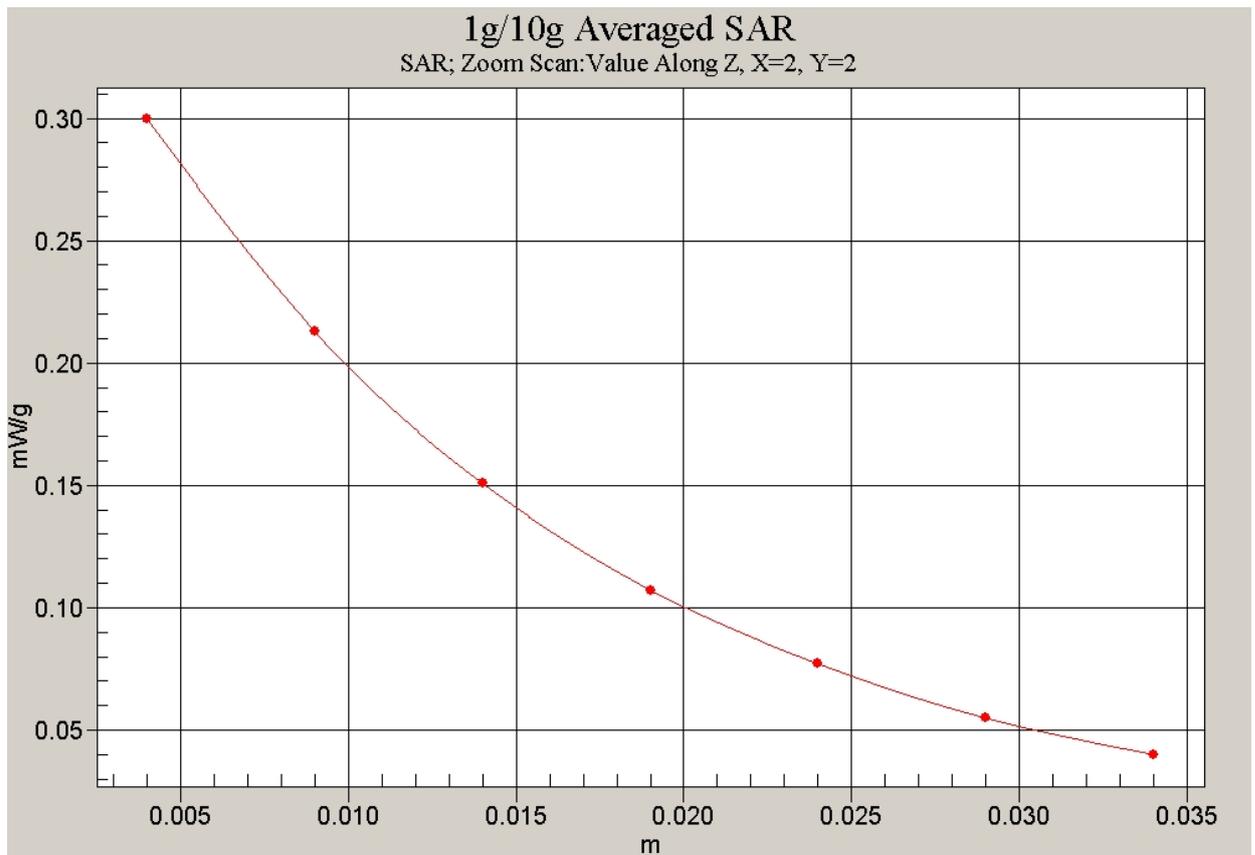
**SAR(1 g) =  $0.280 \text{ mW/g}$ ; SAR(10 g) =  $0.191 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.300 \text{ mW/g}$



0 dB =  $0.300\text{mW/g}$

**Fig. 127 850MHz Body, Towards Ground, CH128-flip closed**



**Fig. 128 Z-Scan at power reference point  
(850MHz Body, Towards Ground, CH128-flip closed)**

**850 Body Toward Phantom High with Headset-flip closed**

Date/Time: 2008-6-10 20:09:45

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.01$  mho/m;  $\epsilon_r = 53.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

**Toward Phantom High/Area Scan (51x101x1):** Measurement grid: dx=10mm, dy=10mm

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

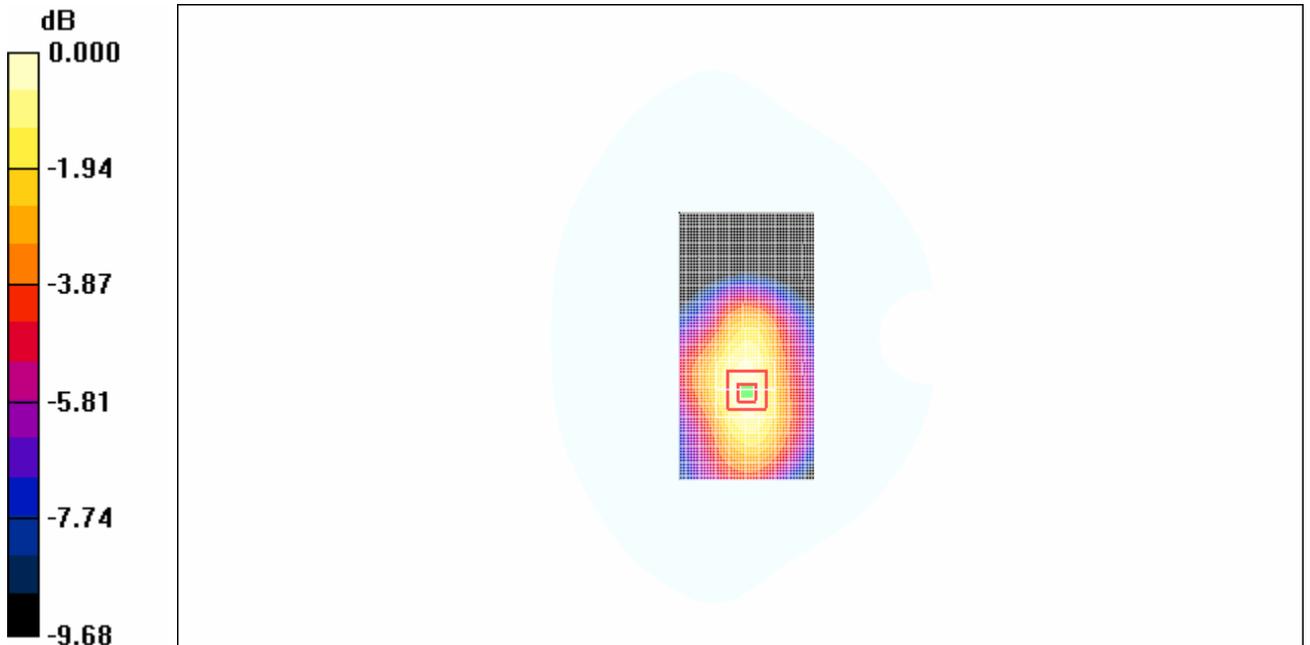
**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.83 V/m; Power Drift = 0.101 dB

Peak SAR (extrapolated) = 0.079 W/kg

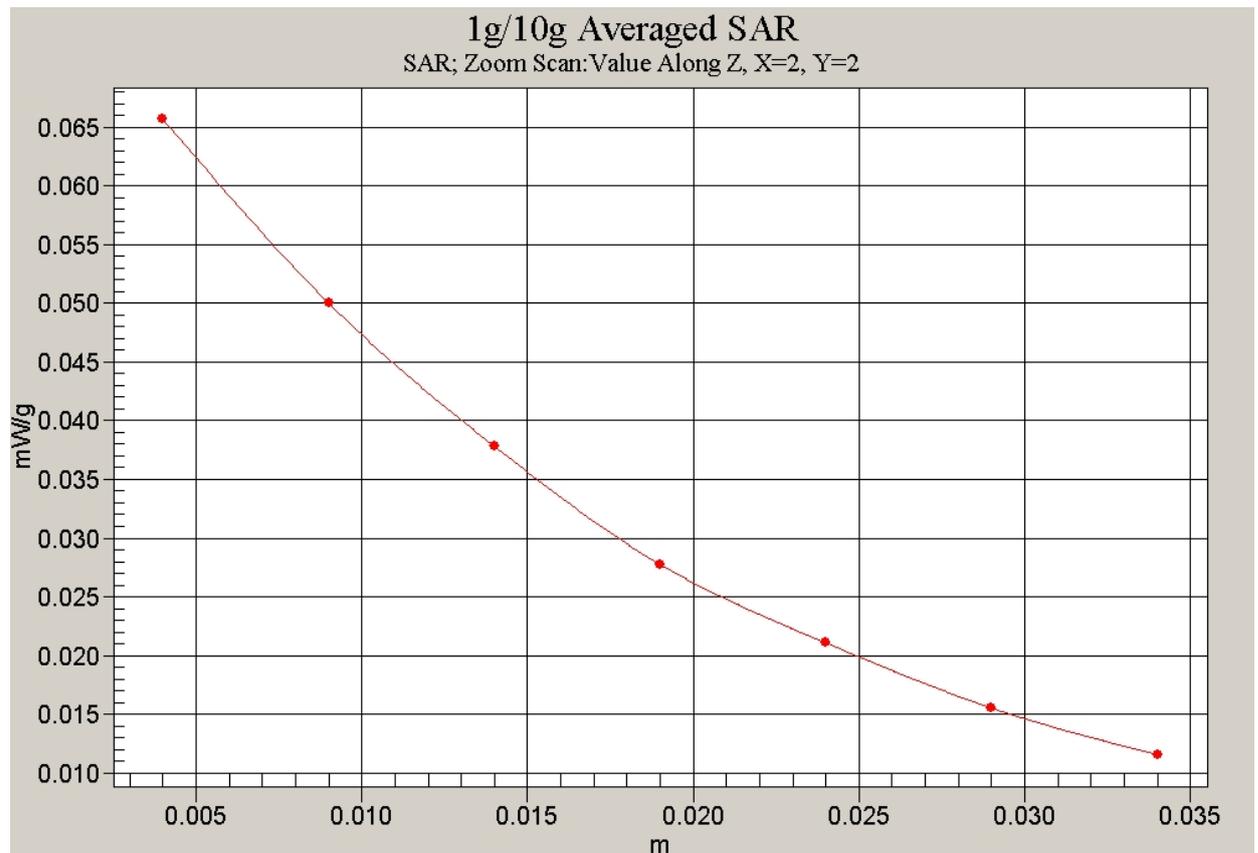
**SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.044 mW/g**

Maximum value of SAR (measured) = 0.066 mW/g



0 dB = 0.066mW/g

**Fig.129 850MHz Body, Towards Phantom, CH251-flip closed**



**Fig. 130 Z-Scan at power reference point  
(850MHz Body, Towards Phantom, CH251-flip closed)**

**850 Body Toward Phantom Middle with Headset-flip closed**

Date/Time: 2008-6-10 19:57:29

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.00$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

**Toward Phantom Middle/Area Scan (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.075 mW/g

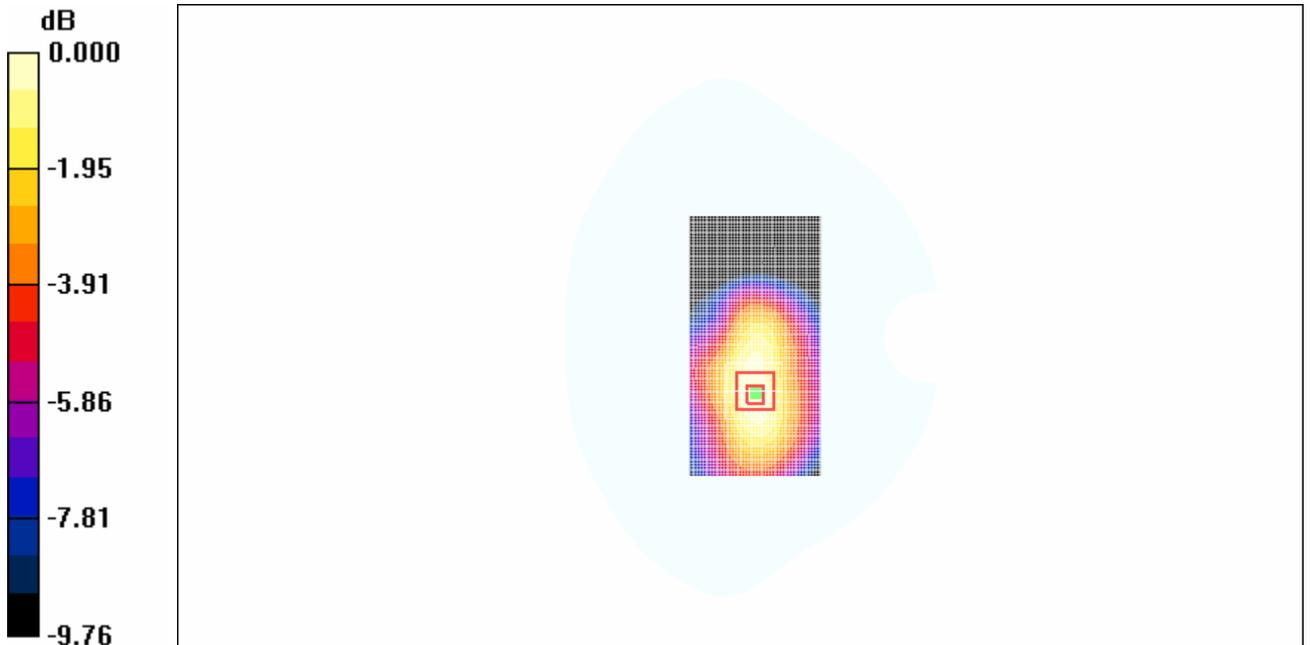
**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.54 V/m; Power Drift = 0.036 dB

Peak SAR (extrapolated) = 0.094 W/kg

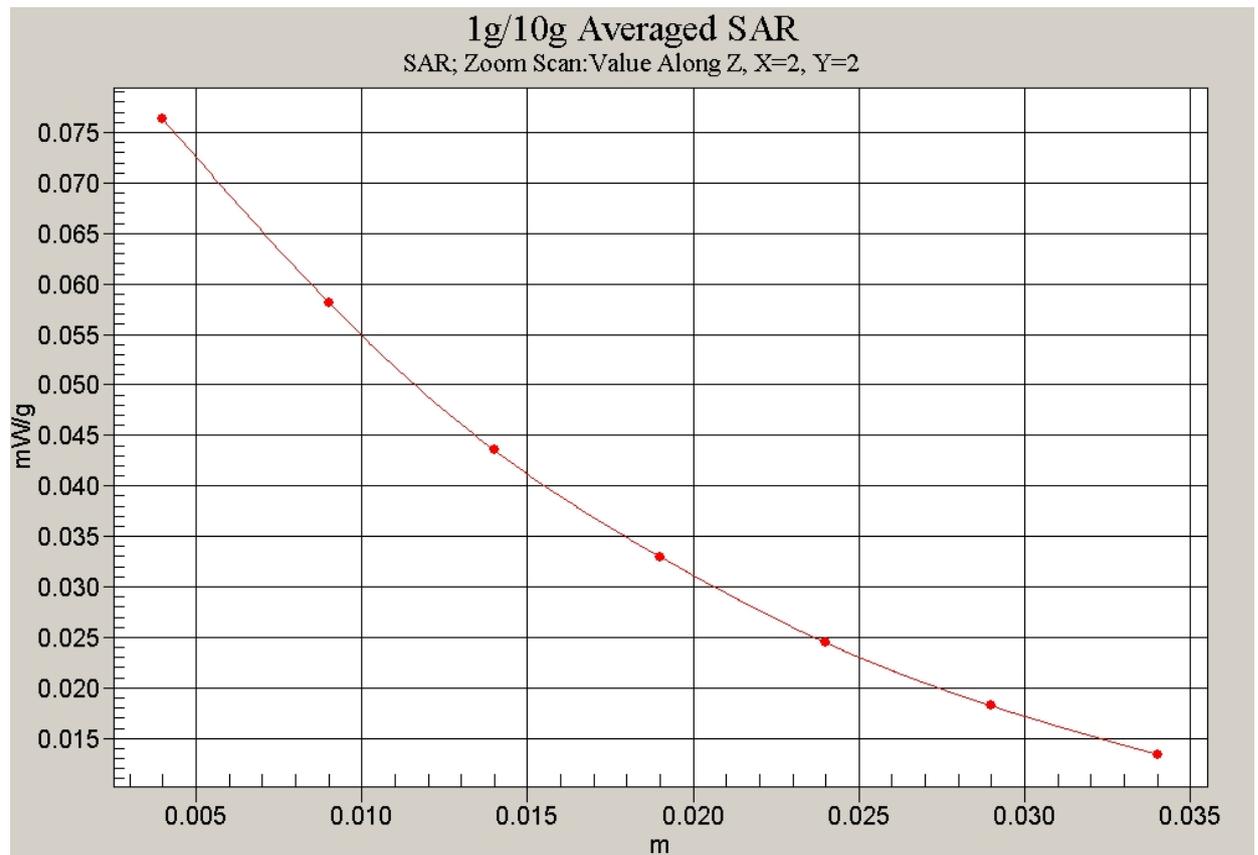
**SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.051 mW/g**

Maximum value of SAR (measured) = 0.076 mW/g



0 dB = 0.076mW/g

**Fig. 131 850MHz Body, Towards Phantom, CH190-flip closed**



**Fig. 132 Z-Scan at power reference point  
(850MHz Body, Towards Phantom, CH190-flip closed)**

**850 Body Toward Phantom Low with Headset-flip closed**

Date/Time: 2008-6-10 19:45:44

Electronics: DAE4 Sn777

Medium: 850 Body

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 53.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Probe: ES3DV3 - SN3142 ConvF(5.66, 5.66, 5.66)

**Toward Phantom Low/Area Scan (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.071 mW/g

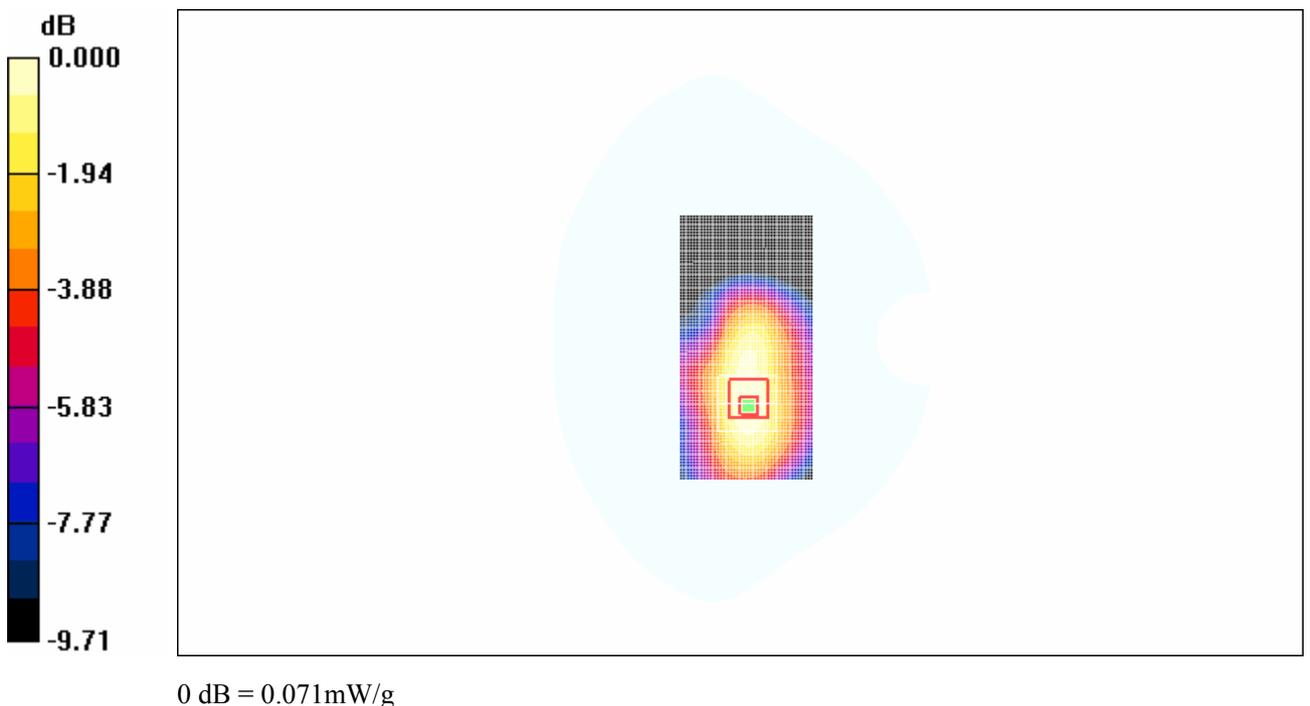
**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

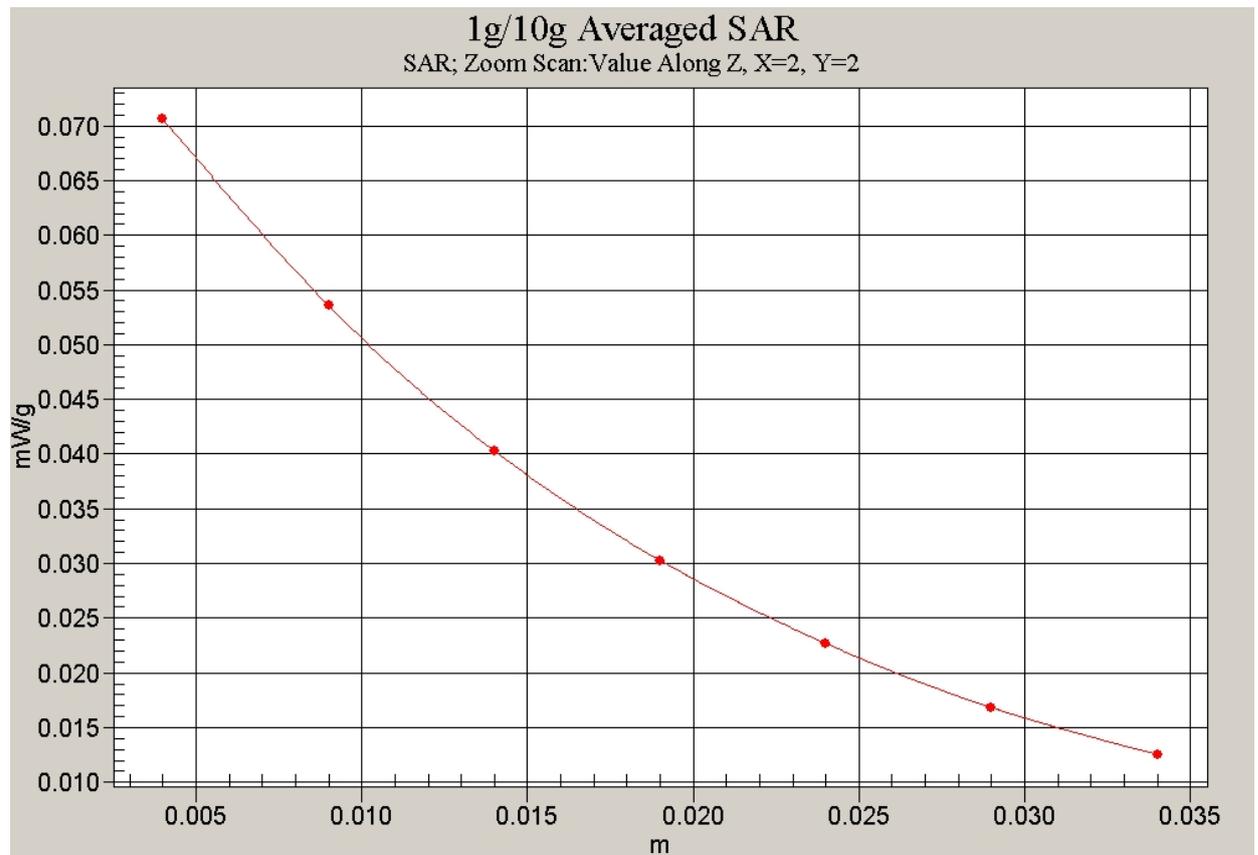
Reference Value = 7.42 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.086 W/kg

**SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.048 mW/g**

Maximum value of SAR (measured) = 0.071 mW/g

**Fig. 133 850MHz Body, Towards Phantom, CH128-flip closed**



**Fig. 134 Z-Scan at power reference point  
(850MHz Body, Towards Phantom, CH128-flip closed)**

**1900 Left Cheek High**

Date/Time: 2008-6-11 15:32:00

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  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: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

**Cheek High/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.208 mW/g

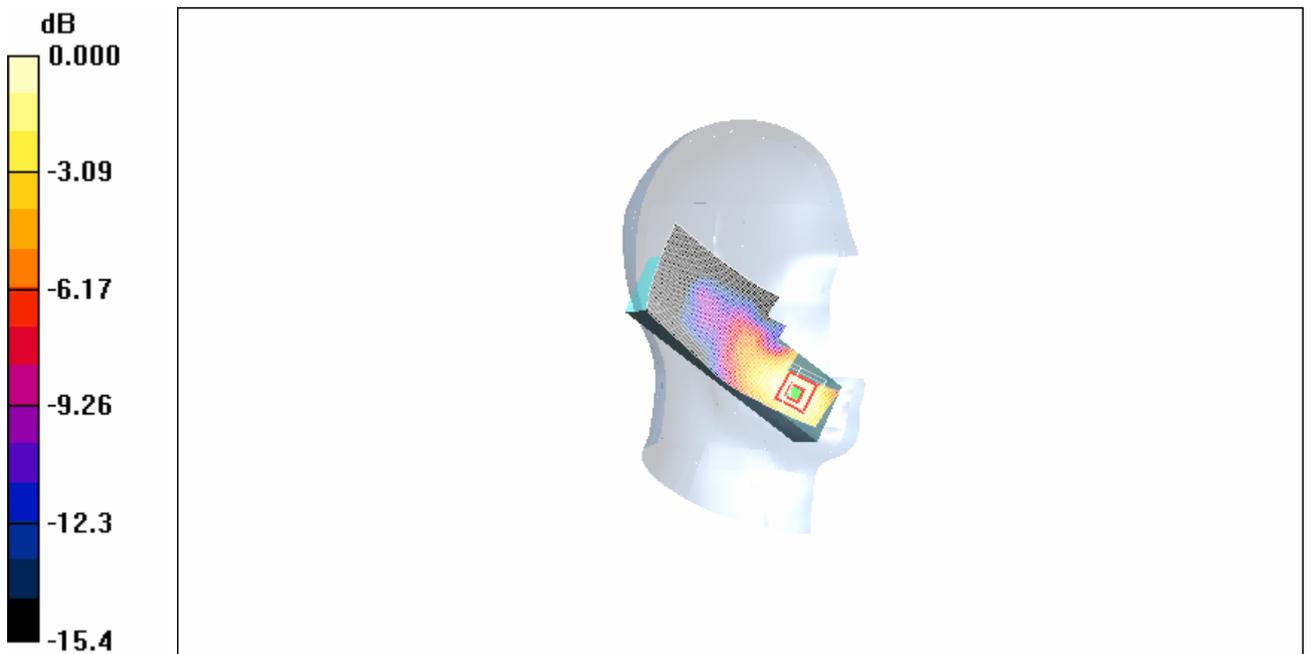
**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

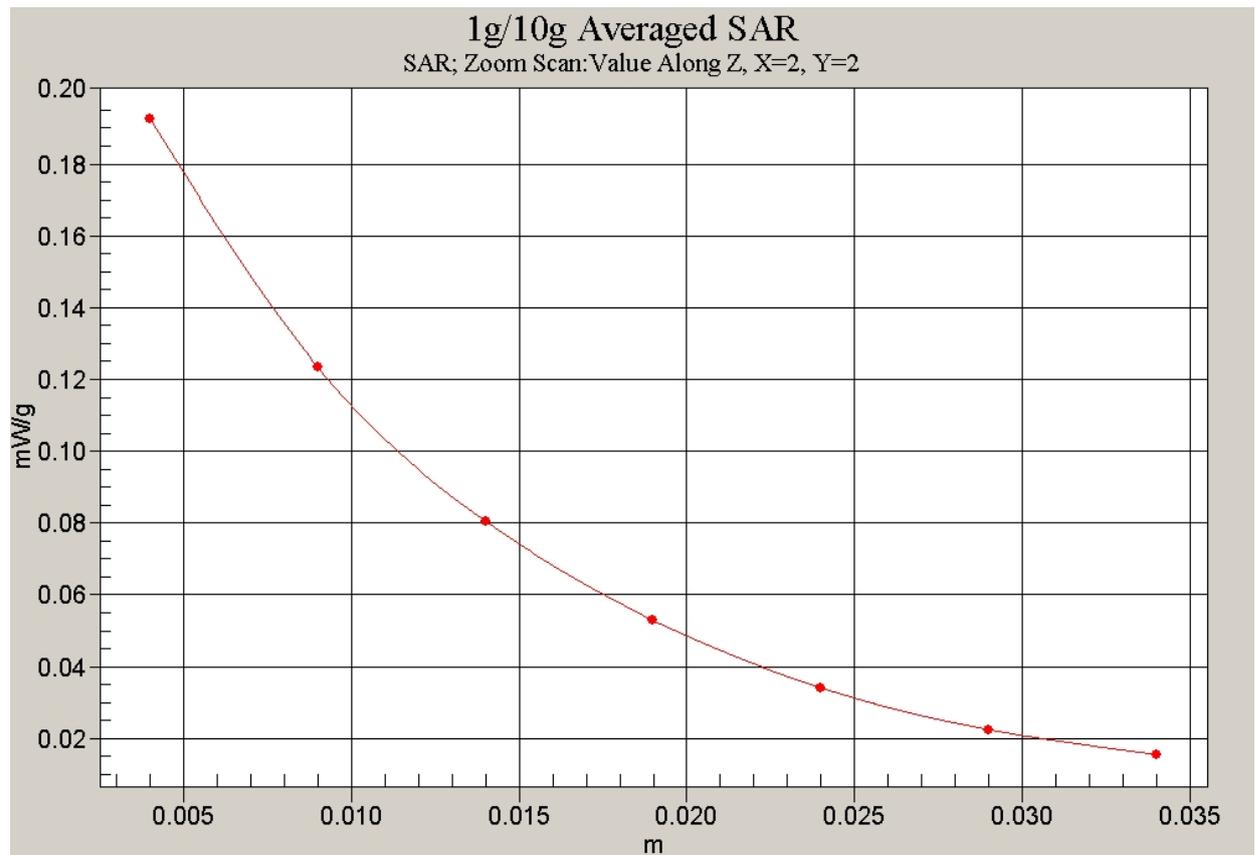
Reference Value = 0.909 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 0.290 W/kg

**SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.117 mW/g**

Maximum value of SAR (measured) = 0.192 mW/g

**Fig. 135 Left Hand Touch Cheek 1900MHz CH810**



**Fig. 136 Z-Scan at power reference point (1900MHz CH810)**

**1900 Left Cheek Middle**

Date/Time: 2008-6-11 15:43:34

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  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: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

**Cheek Middle/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.200 mW/g

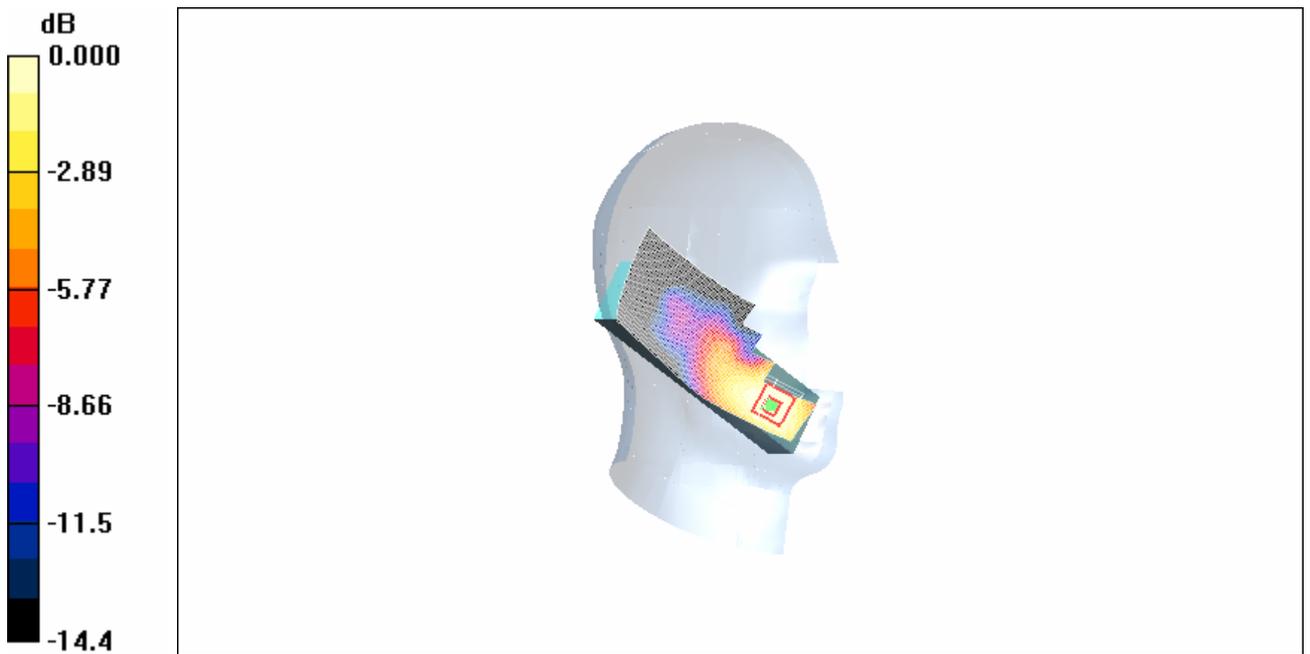
**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

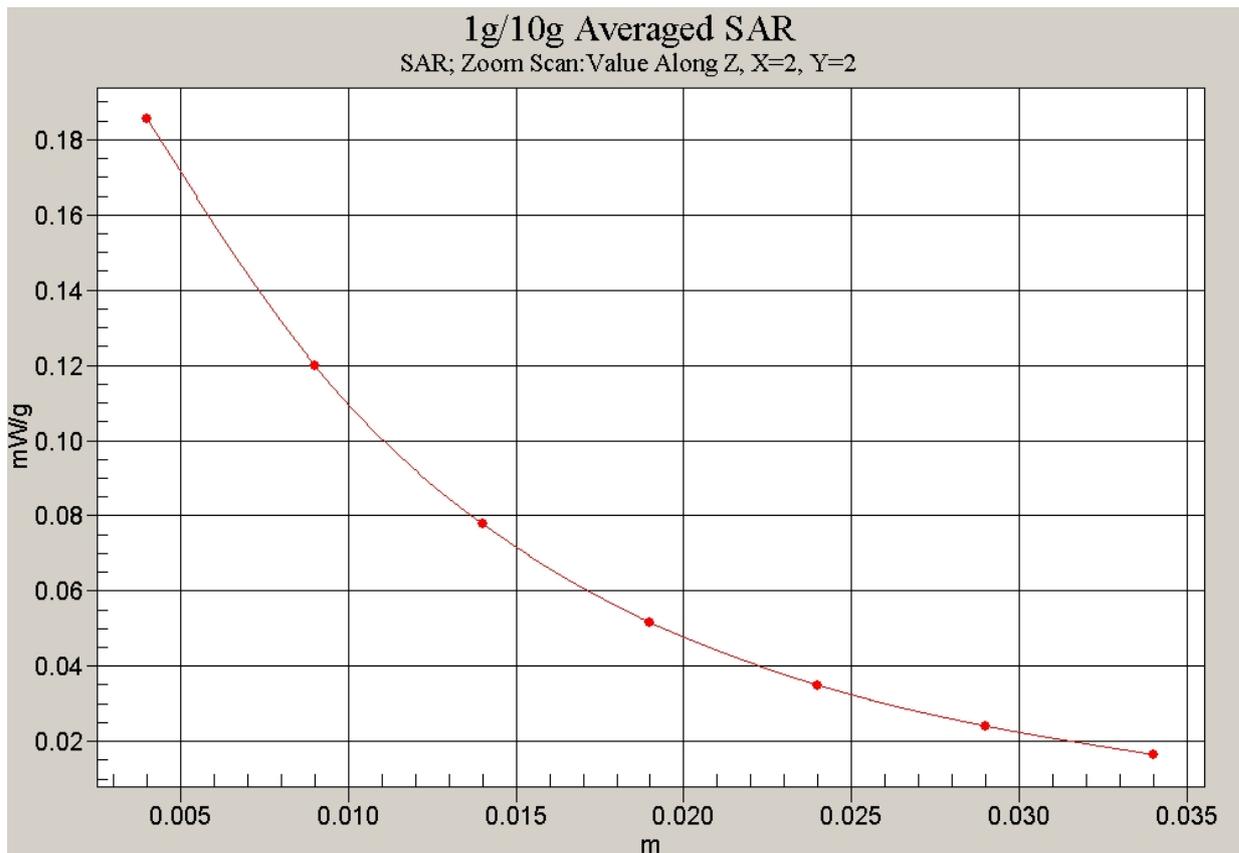
Reference Value = 2.10 V/m; Power Drift = 0.139 dB

Peak SAR (extrapolated) = 0.281 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.115 mW/g**

Maximum value of SAR (measured) = 0.185 mW/g

**Fig. 137 Left Hand Touch Cheek 1900MHz CH661**



**Fig. 138 Z-Scan at power reference point (1900MHz CH661)**

**1900 Left Cheek Low**

Date/Time: 2008-6-11 15:55:20

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.32$  mho/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  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: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

**Cheek Low/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.167 mW/g

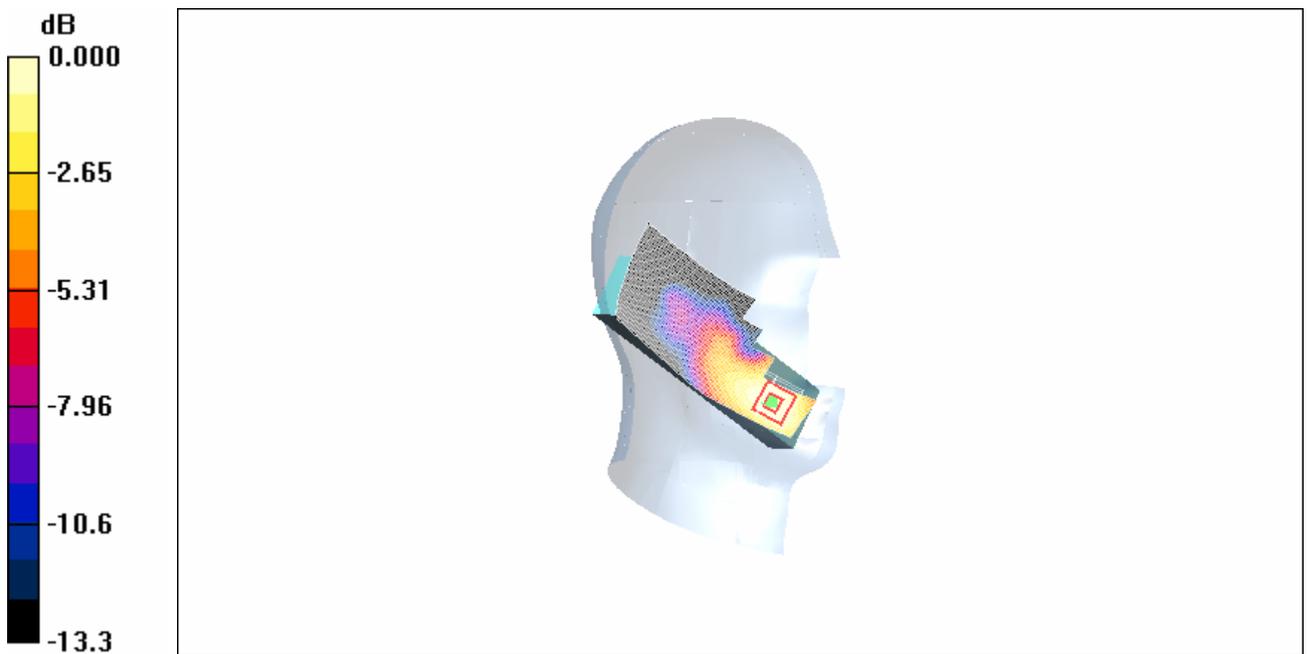
**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.10 V/m; Power Drift = 0.200 dB

Peak SAR (extrapolated) = 0.230 W/kg

**SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.098 mW/g**

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



**Fig. 139 Left Hand Touch Cheek 1900MHz CH512**

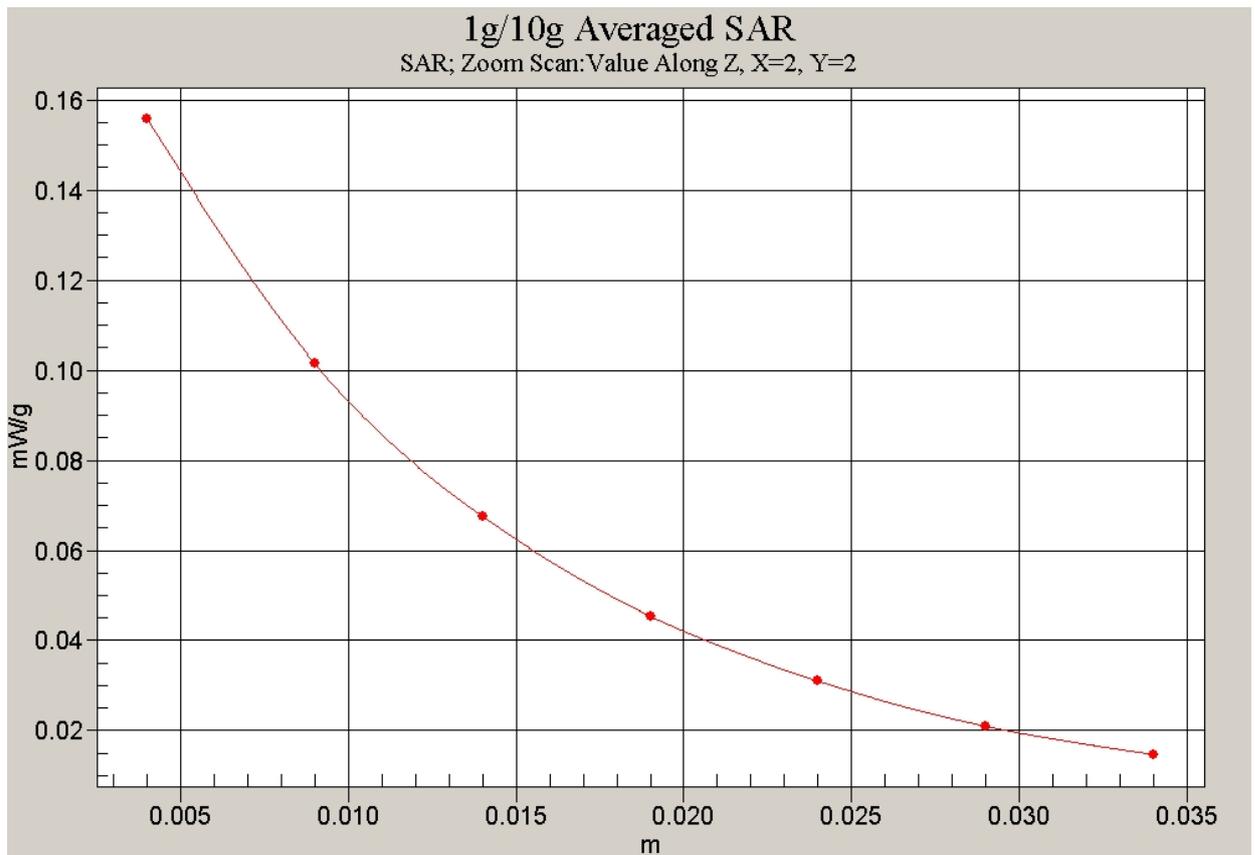


Fig. 140 Z-Scan at power reference point (1900MHz CH512)

**1900 Left Tilt High**

Date/Time: 2008-6-11 16:37:17

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.38$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  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: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

**Tilt High/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.055 mW/g

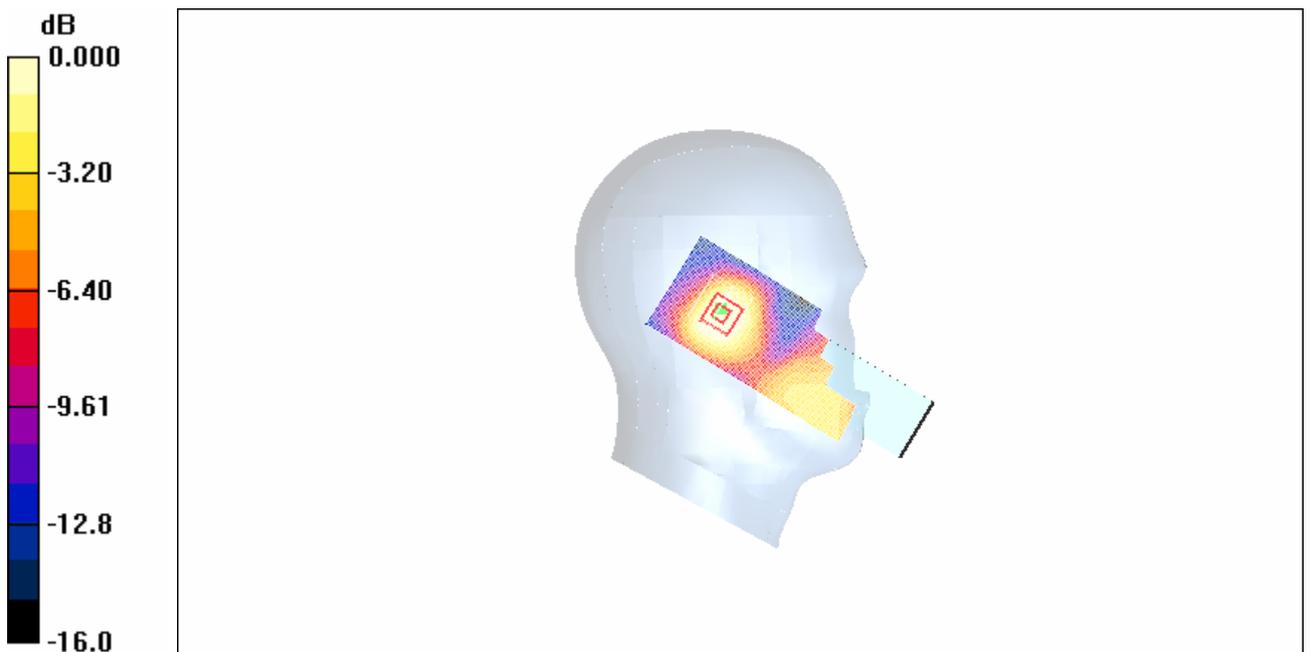
**Tilt High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.33 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.066 W/kg

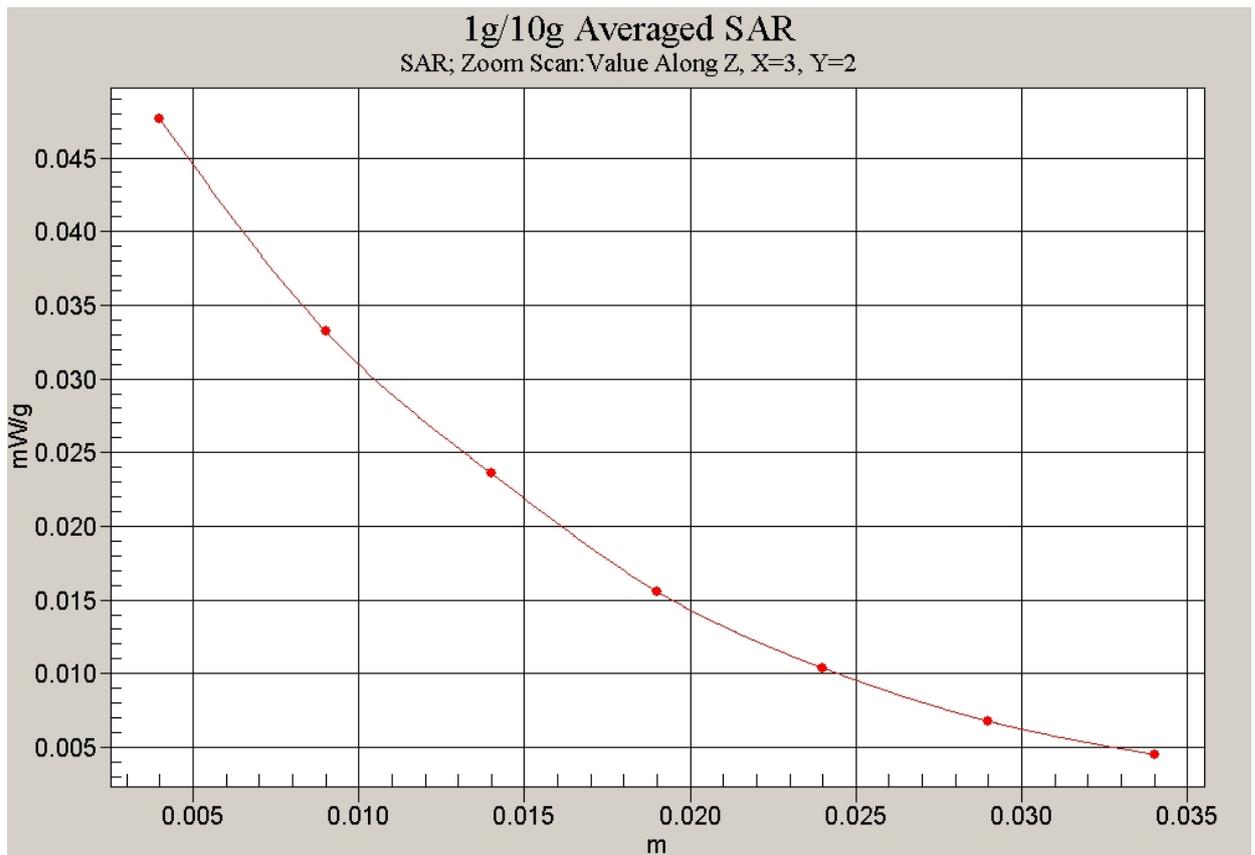
**SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.030 mW/g**

Maximum value of SAR (measured) = 0.048 mW/g



0 dB = 0.048mW/g

**Fig. 141 Left Hand Tilt 15° 1900MHz CH810**



**Fig. 142 Z-Scan at power reference point (1900MHz CH810)**

**1900 Left Tilt Middle**

Date/Time: 2008-6-11 16:21:53

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 39.4$ ;  $\rho = 1000$  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: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

**Tilt Middle/Area Scan (51x141x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.073 mW/g

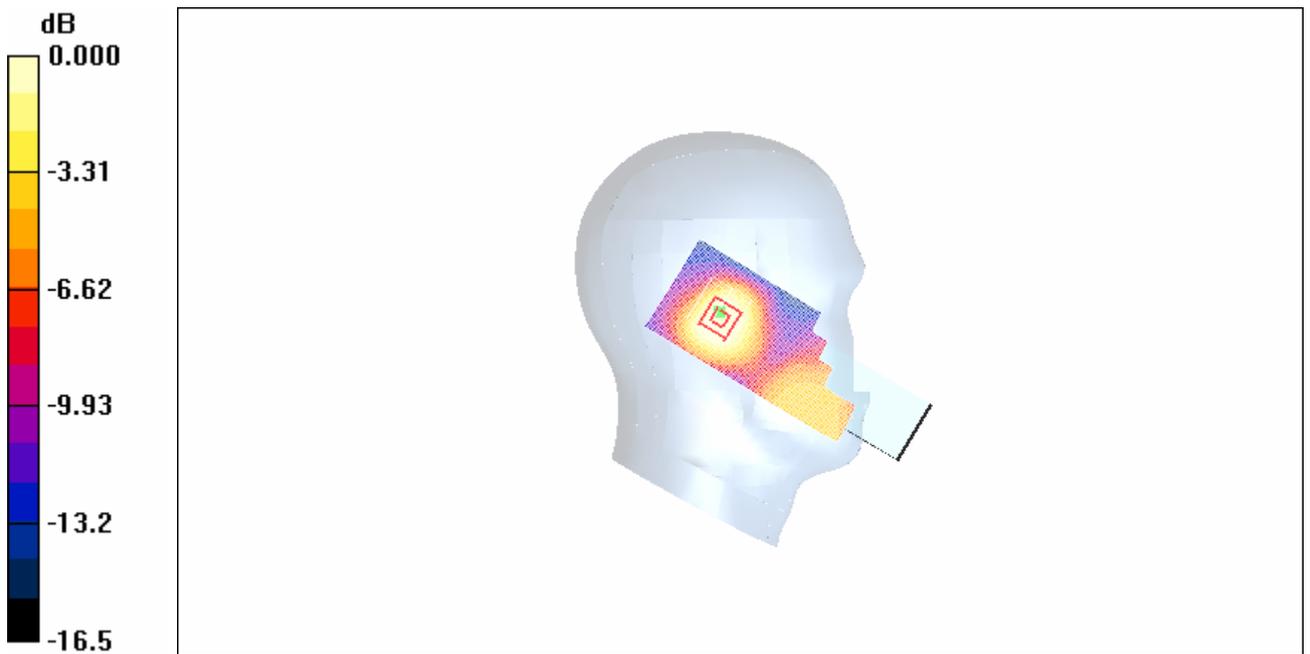
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,  
 dz=5mm

Reference Value = 6.18 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.084 W/kg

**SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.063 mW/g



0 dB = 0.063mW/g

**Fig. 143 Left Hand Tilt 15° 1900MHz CH661**

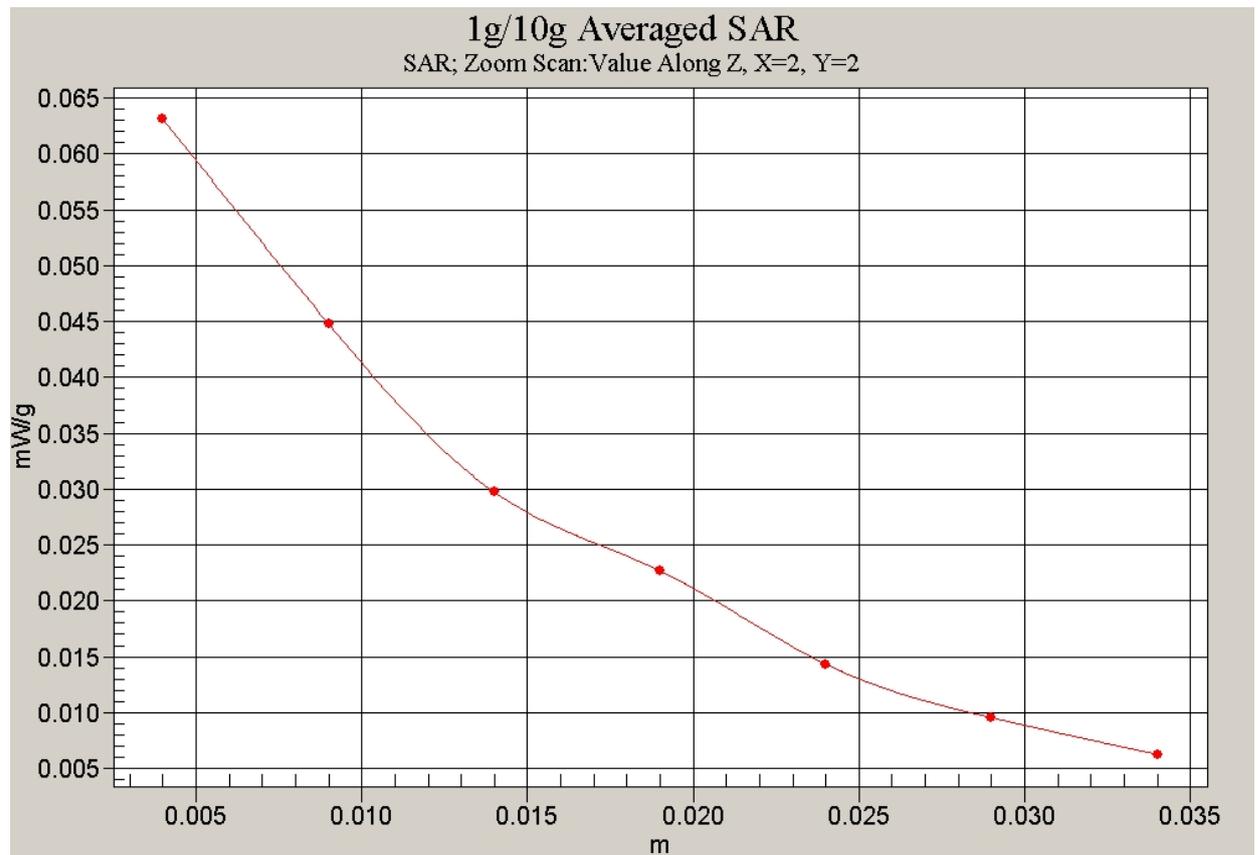


Fig. 144 Z-Scan at power reference point (1900MHz CH661)