

Fig. 48 Z-Scan at power reference point(WCDMA 1900MHz,Body,Towards Ground,CH9262)

### WCDMA 1900 Body Toward Phantom High

Date/Time: 2009-2-25 10:10:55

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Phantom High/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.145 mW/g

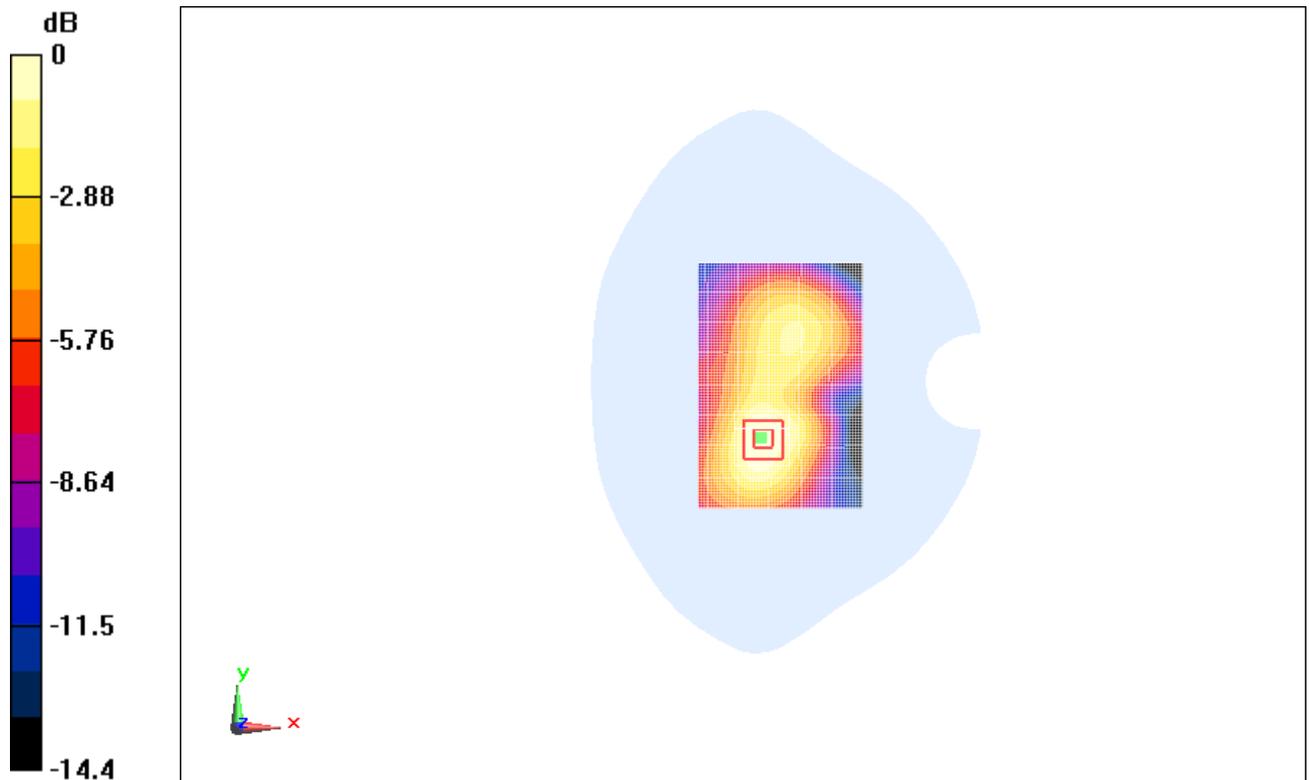
**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.48 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.206 W/kg

**SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.081 mW/g**

Maximum value of SAR (measured) = 0.132 mW/g



0 dB = 0.132mW/g

**Fig. 49 WCDMA 1900MHz, Body, Towards Phantom, CH9538**

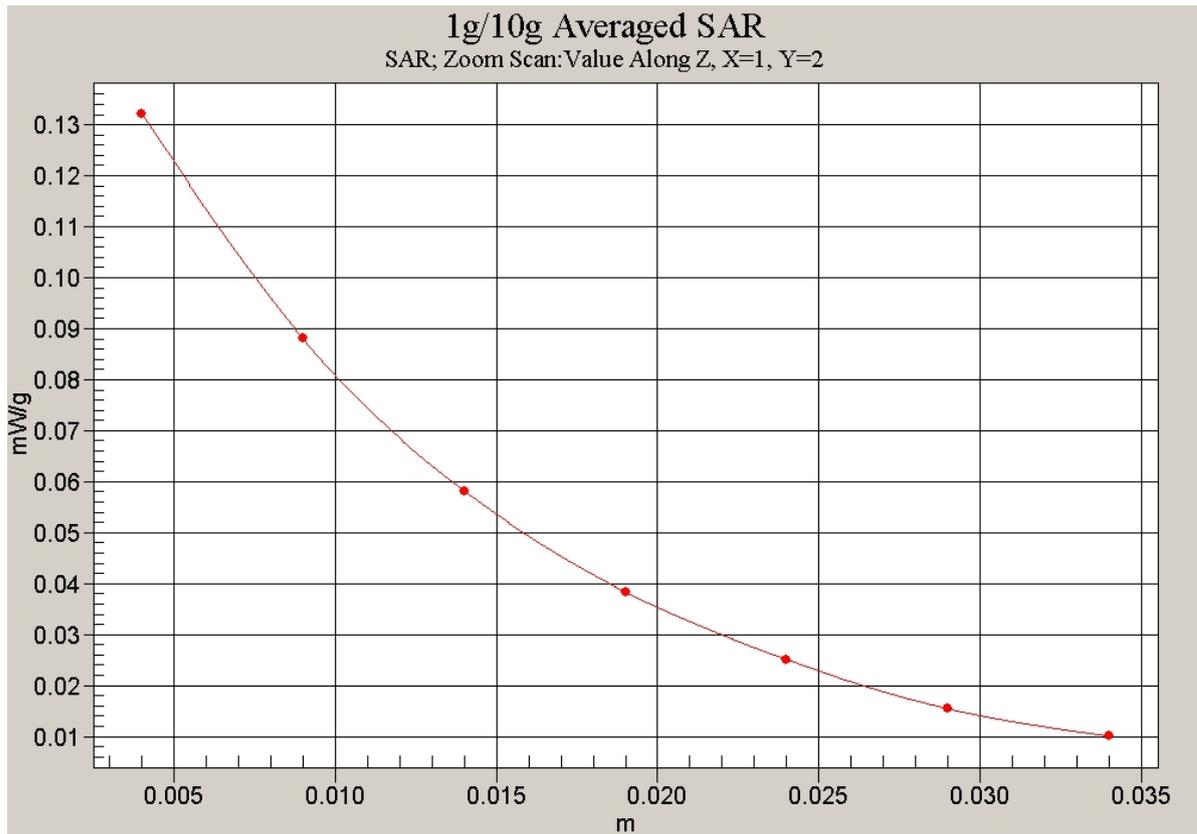


Fig. 50 Z-Scan at power reference point(WCDMA 1900MHz,Body,Towards Phantom,CH9538)

**WCDMA 1900 Body Toward Phantom Middle**

Date/Time: 2009-2-25 10:24:17

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Phantom Middle/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.141 mW/g

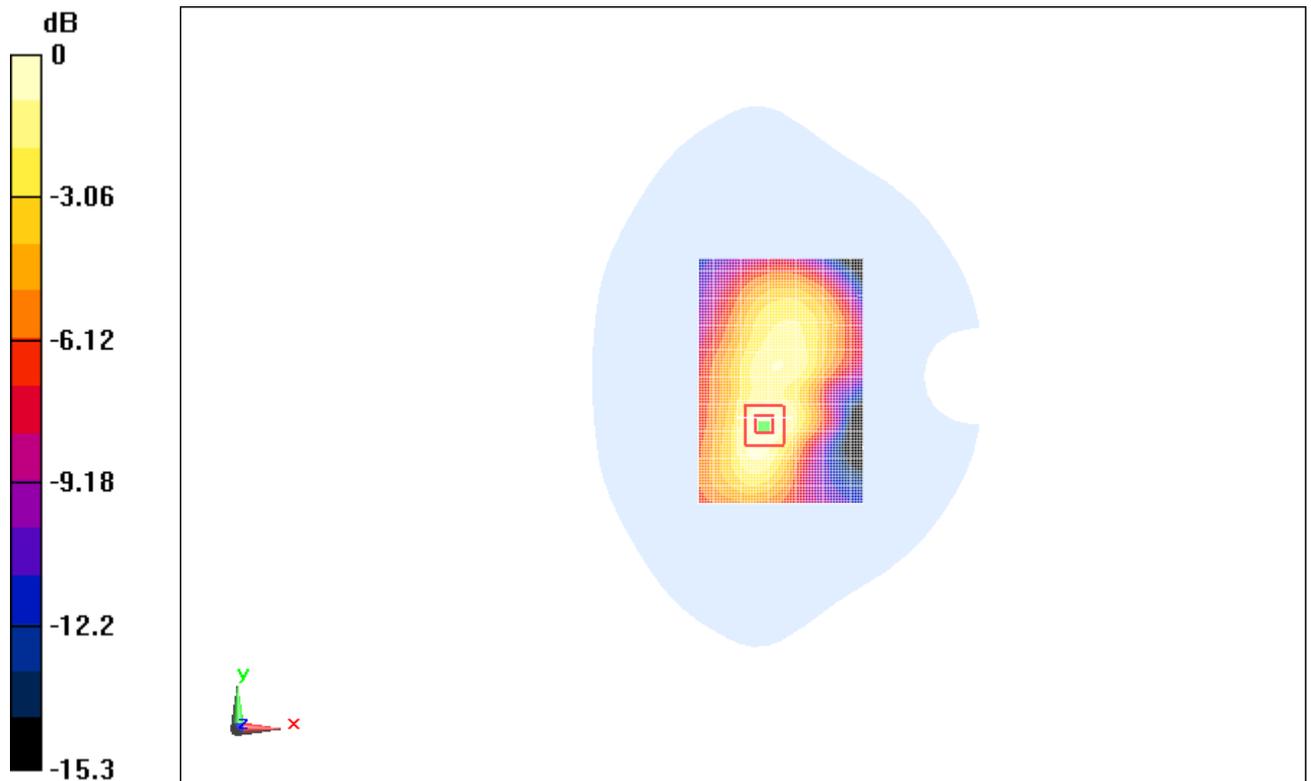
**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.72 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.207 W/kg

**SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.132 mW/g



0 dB = 0.132mW/g

**Fig. 51 WCDMA 1900MHz, Body, Towards Phantom, CH9400**

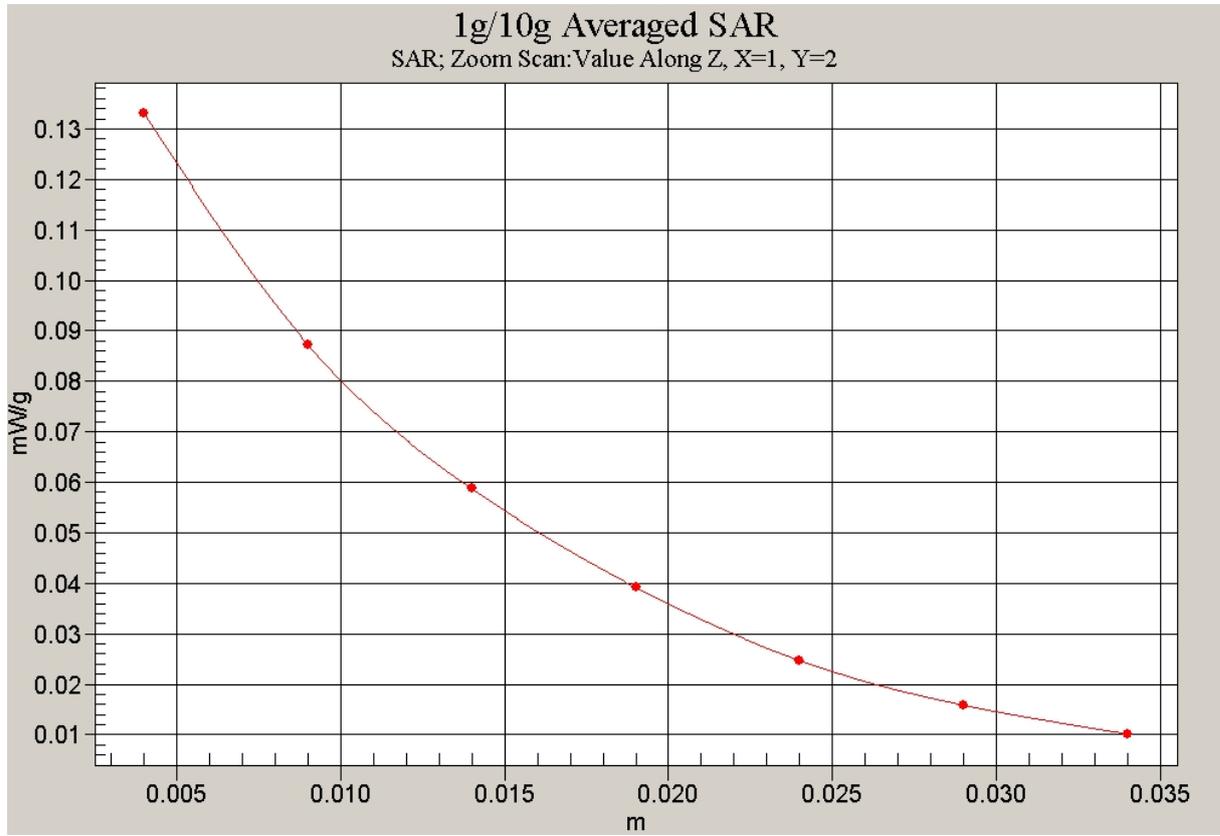


Fig. 52 Z-Scan at power reference point(WCDMA 1900MHz,Body,Towards Phantom,CH9400)

**WCDMA 1900 Body Toward Phantom Low**

Date/Time: 2009-2-25 10:38:31

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 1900 Frequency: 1852.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Phantom Low/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.163 mW/g

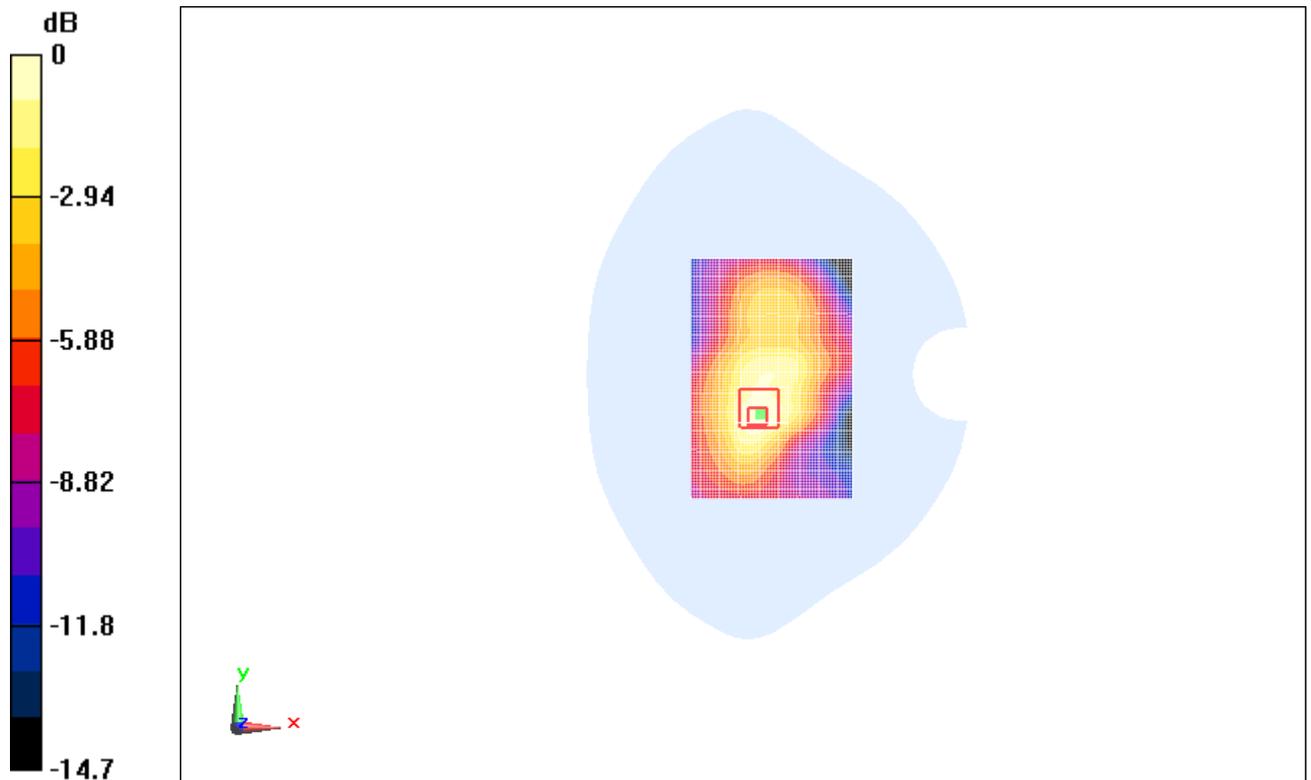
**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.91 V/m; Power Drift = 0.192 dB

Peak SAR (extrapolated) = 0.243 W/kg

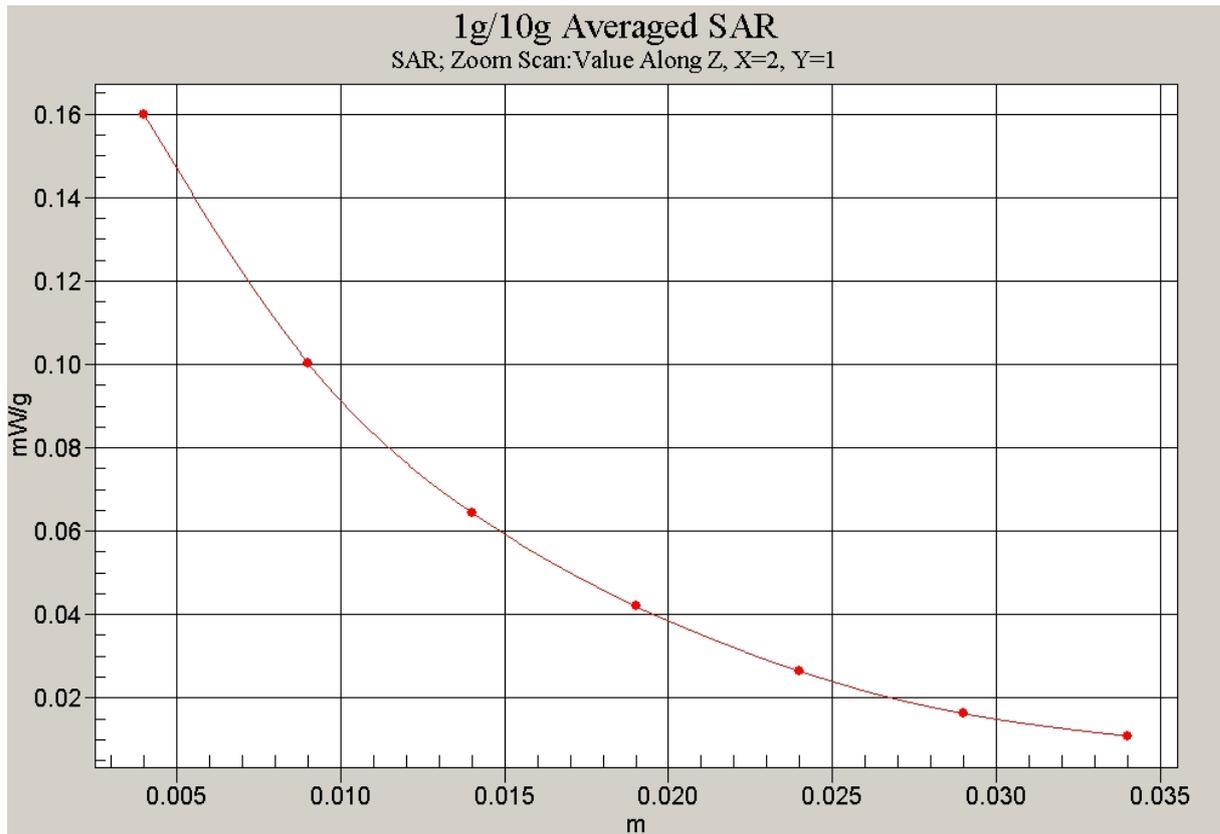
**SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.092 mW/g**

Maximum value of SAR (measured) = 0.160 mW/g



0 dB = 0.160mW/g

**Fig. 53 WCDMA 1900MHz, Body, Towards Phantom, CH9262**



**Fig.54 Z-Scan at power reference point (WCDMA 1900MHz, Body, Towards Ground, CH9262)**

**WCDMA 1900 Body Toward Ground Low with Headset**

Date/Time: 2009-2-25 11:08:34

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: WCDMA 1900 Frequency: 1852.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Ground Low with handset/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.02 mW/g

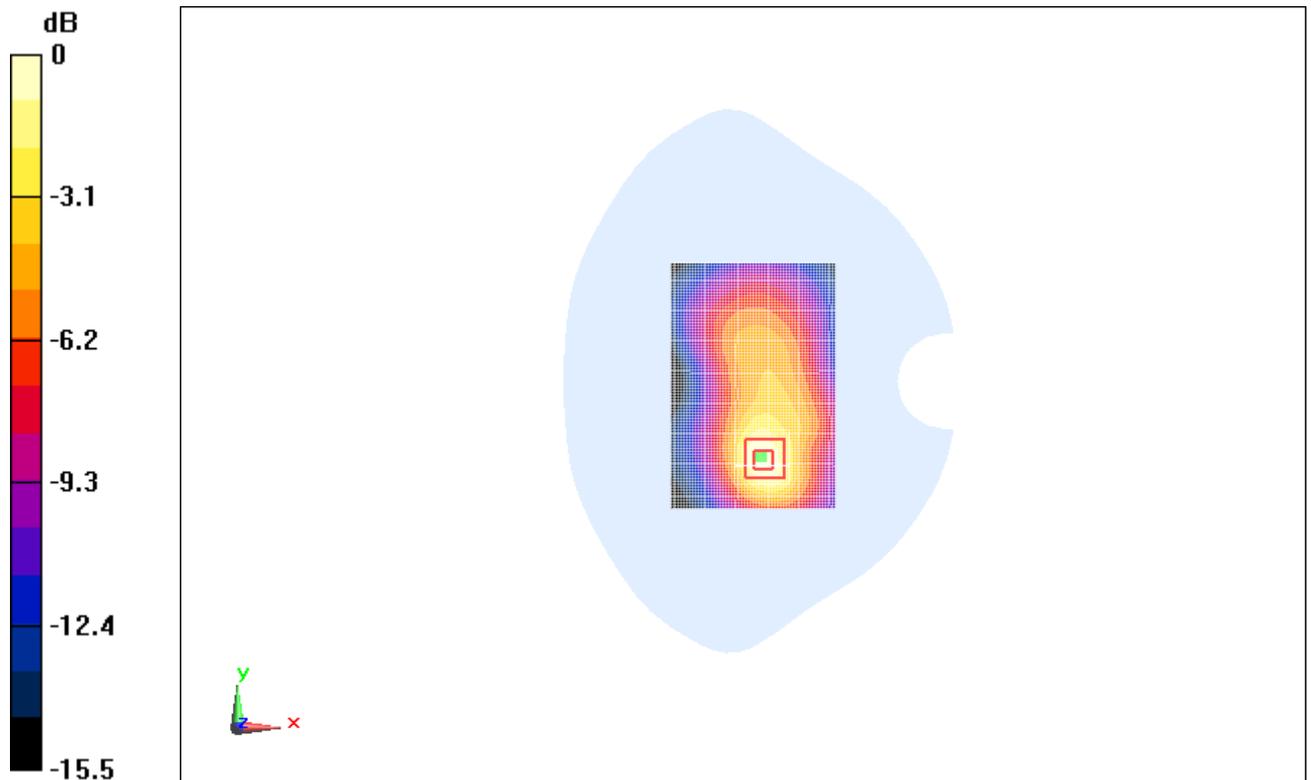
**Toward Ground Low with handset/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.888 mW/g; SAR(10 g) = 0.505 mW/g**

Maximum value of SAR (measured) = 0.907 mW/g



0 dB = 0.907mW/g

**Fig. 55 WCDMA 1900MHz, Body, Towards Ground, CH9262**

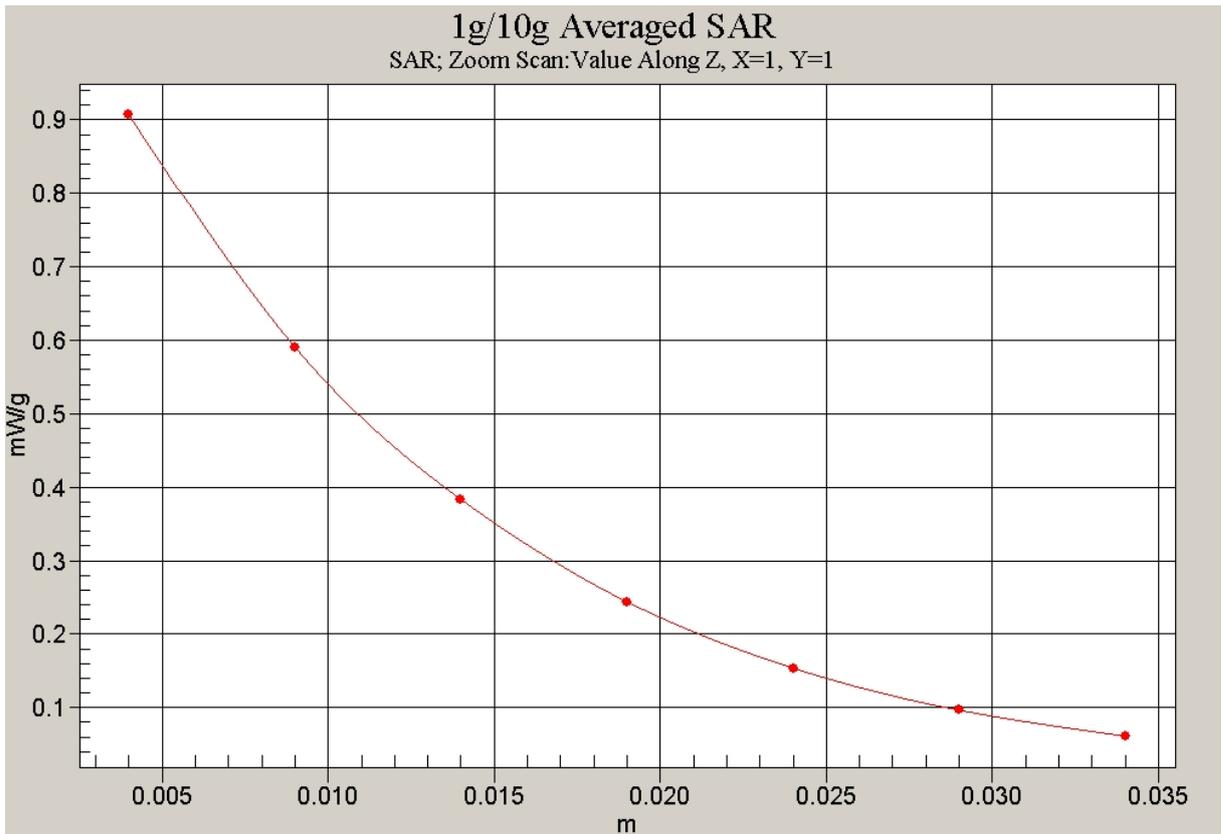


Fig. 56 Z-Scan at power reference point (WCDMA 1900MHz, Body, Towards Ground, CH9262)

### 850 Left Cheek High

Date/Time: 2009-2-24 11:25:03

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.56, 6.56, 6.56)

**Cheek High/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.28 mW/g

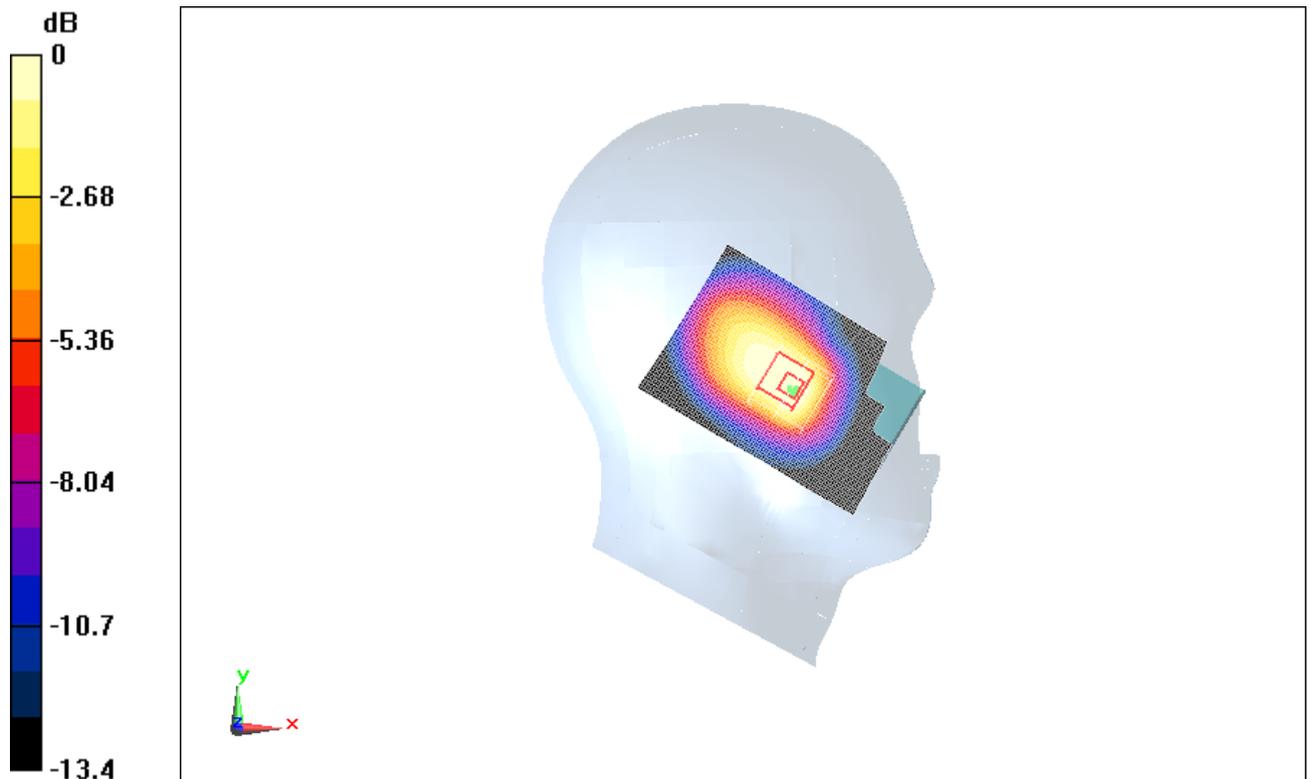
**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.3 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.720 mW/g**

Maximum value of SAR (measured) = 1.11 mW/g



0 dB = 1.11mW/g

Fig. 57 850MHz CH251

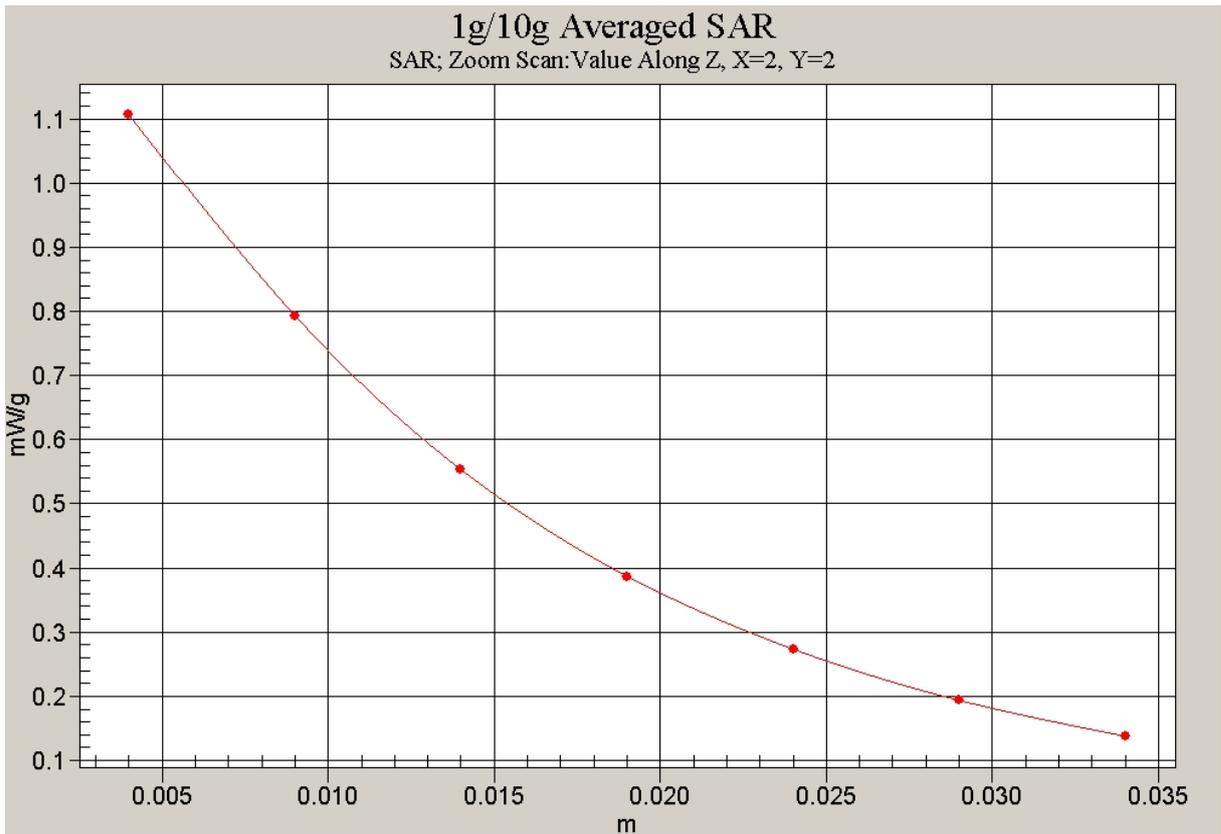


Fig. 58 Z-Scan at power reference point (850 MHz CH251)

### 850 Left Cheek Middle

Date/Time: 2009-2-24 11:29:12

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.56, 6.56, 6.56)

**Cheek Middle/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.878 mW/g

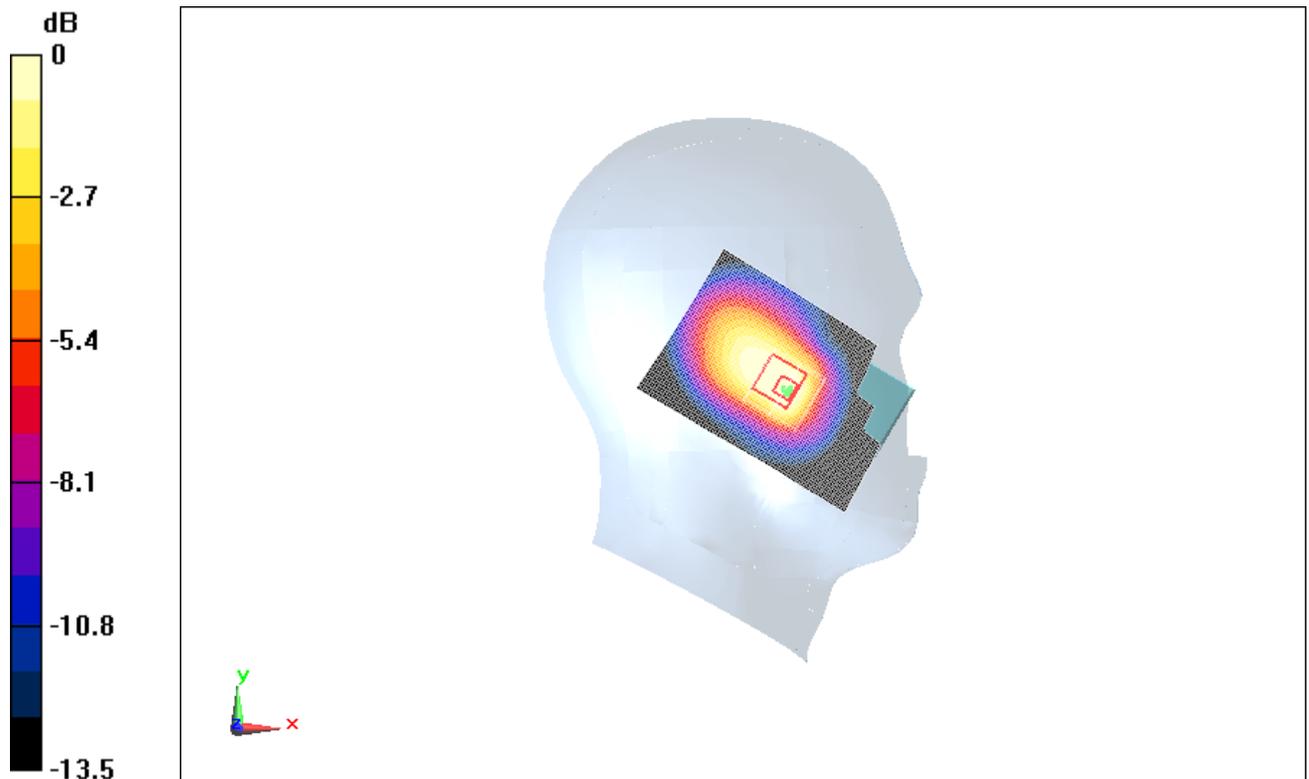
**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.5 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 1.3 W/kg

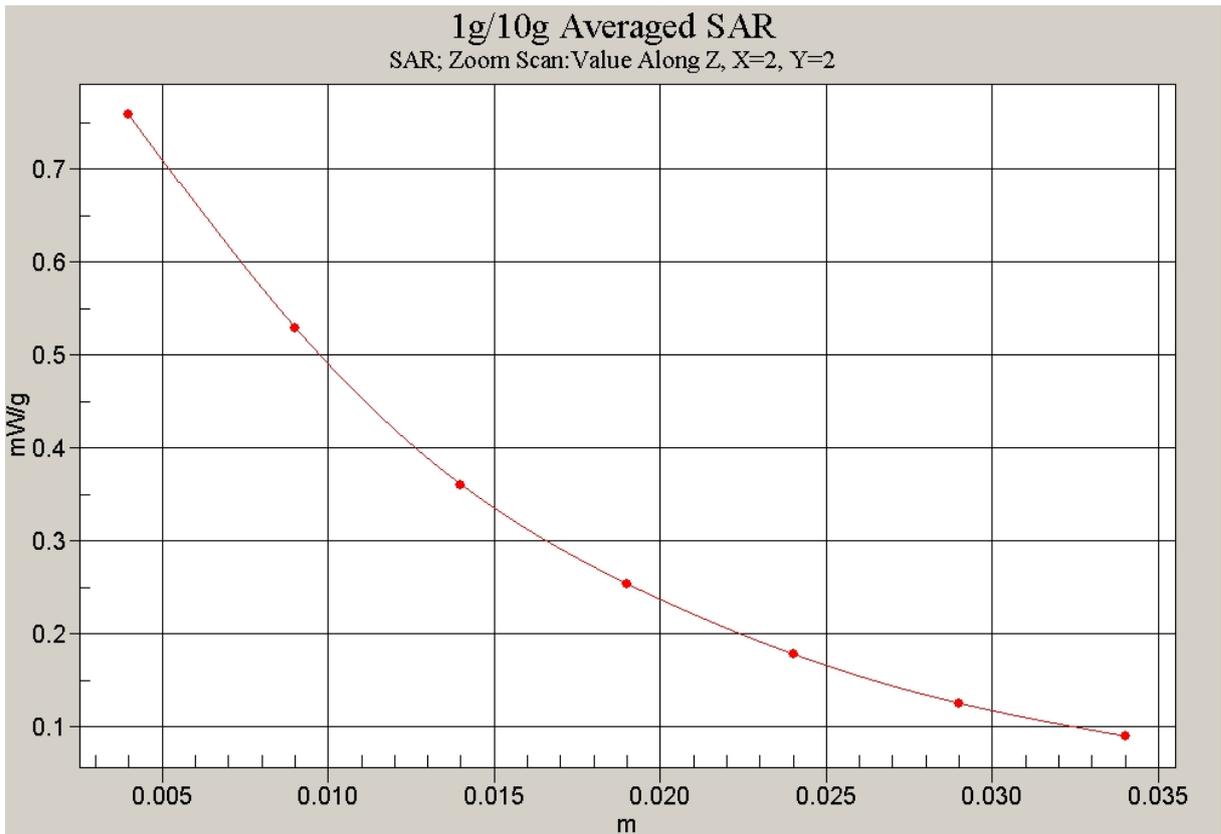
**SAR(1 g) = 0.734 mW/g; SAR(10 g) = 0.482 mW/g**

Maximum value of SAR (measured) = 0.759 mW/g



0 dB = 0.759mW/g

Fig. 59 850 MHz CH190



**Fig. 60 Z-Scan at power reference point (850 MHz CH190)**

**850 Left Cheek Low**

Date/Time: 2009-2-24 11:43:32

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.896 \text{ mho/m}$ ;  $\epsilon_r = 40.4$ ;  $\rho = 1000 \text{ kg/m}^3$

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 - SN3149 ConvF(6.56, 6.56, 6.56)

**Cheek Low/Area Scan (61x91x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) =  $0.623 \text{ mW/g}$

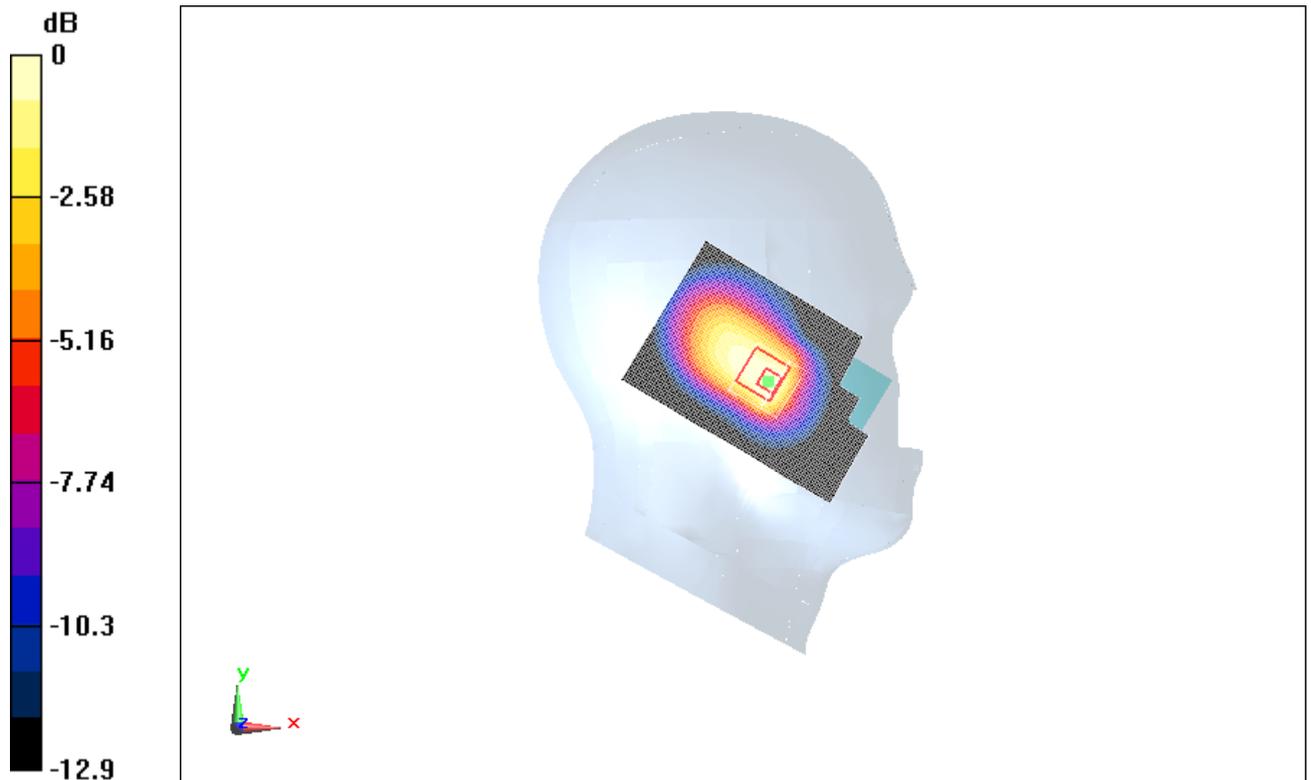
**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $16.8 \text{ V/m}$ ; Power Drift =  $0.041 \text{ dB}$

Peak SAR (extrapolated) =  $1.02 \text{ W/kg}$

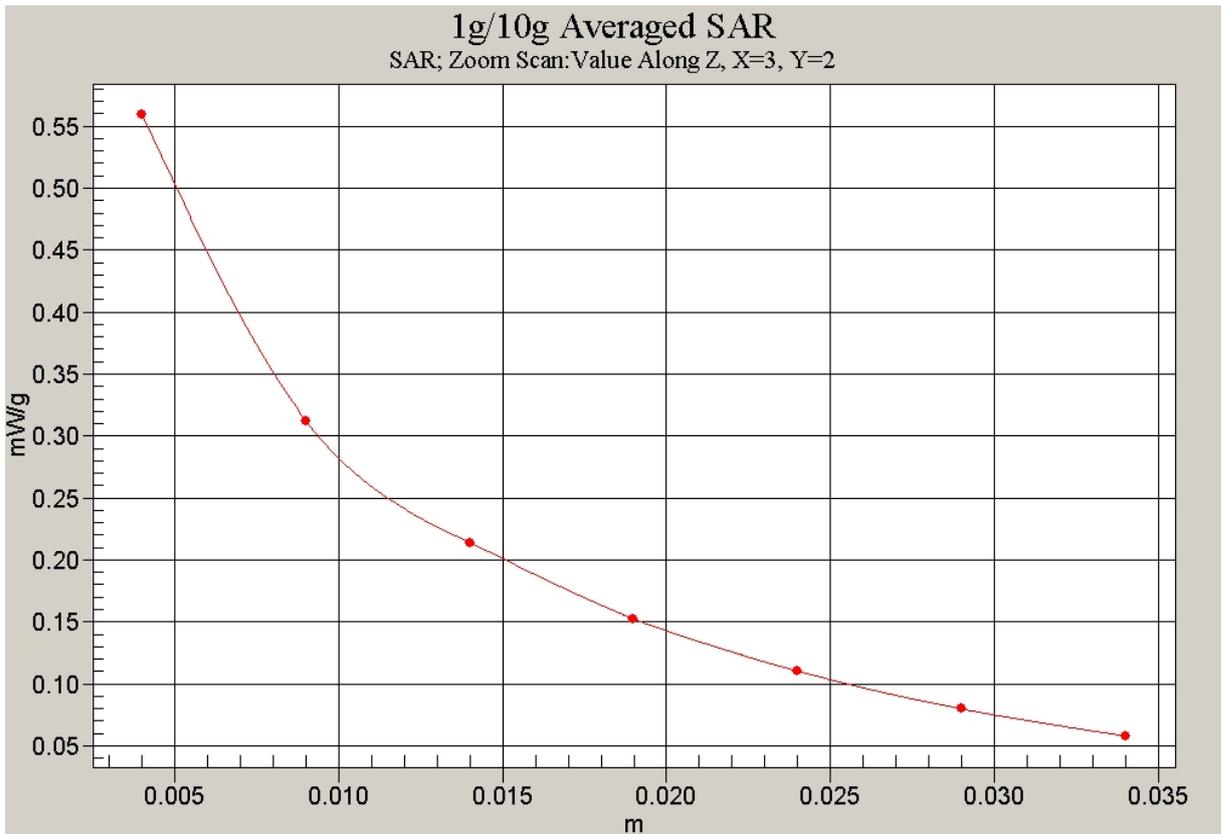
**SAR(1 g) =  $0.519 \text{ mW/g}$ ; SAR(10 g) =  $0.328 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.559 \text{ mW/g}$



0 dB =  $0.559\text{mW/g}$

**Fig. 61 850 MHz CH128**



**Fig.62 Z-Scan at power reference point (850 MHz CH190)**

### 850 Left Tilt Middle

Date/Time: 2009-2-24 11:57:46

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.56, 6.56, 6.56)

**Tilt Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.652 mW/g

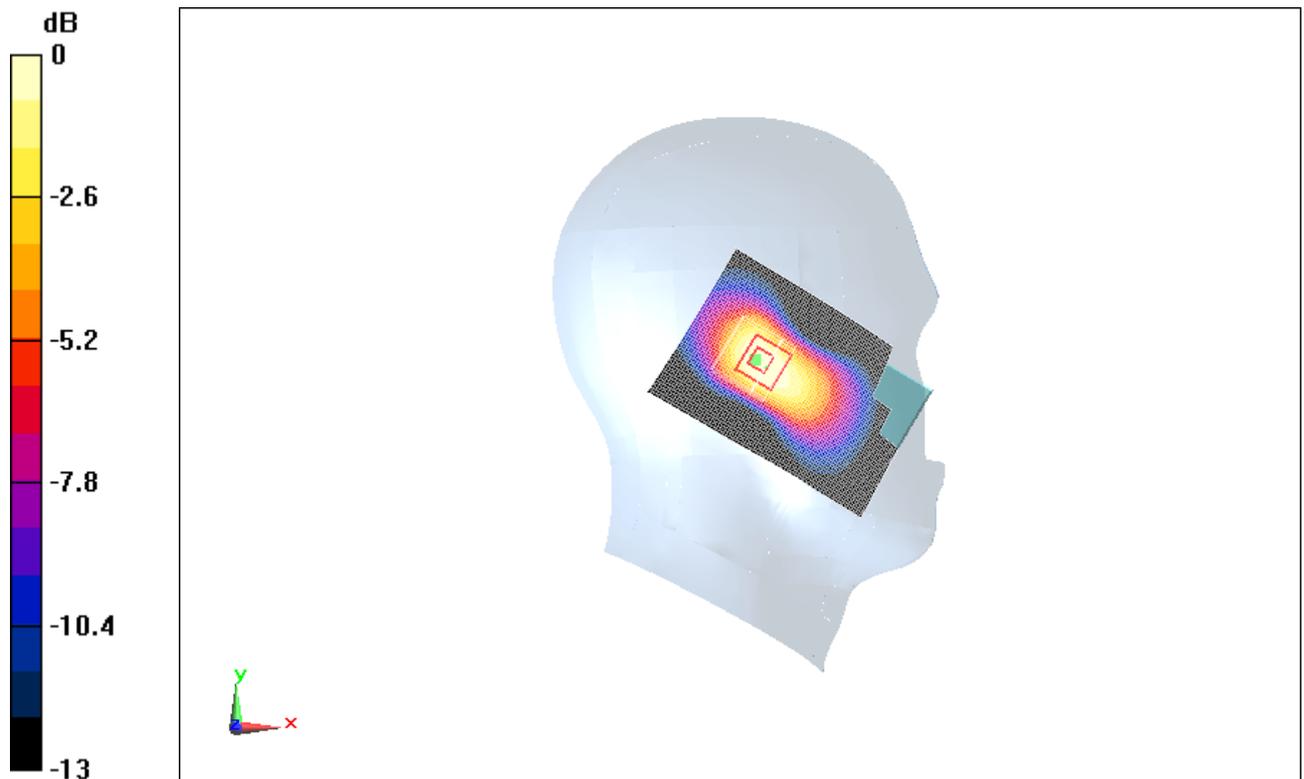
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = 0.107 dB

Peak SAR (extrapolated) = 0.841 W/kg

**SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.369 mW/g**

Maximum value of SAR (measured) = 0.611 mW/g



0 dB = 0.611mW/g

Fig. 63 850 MHz CH190

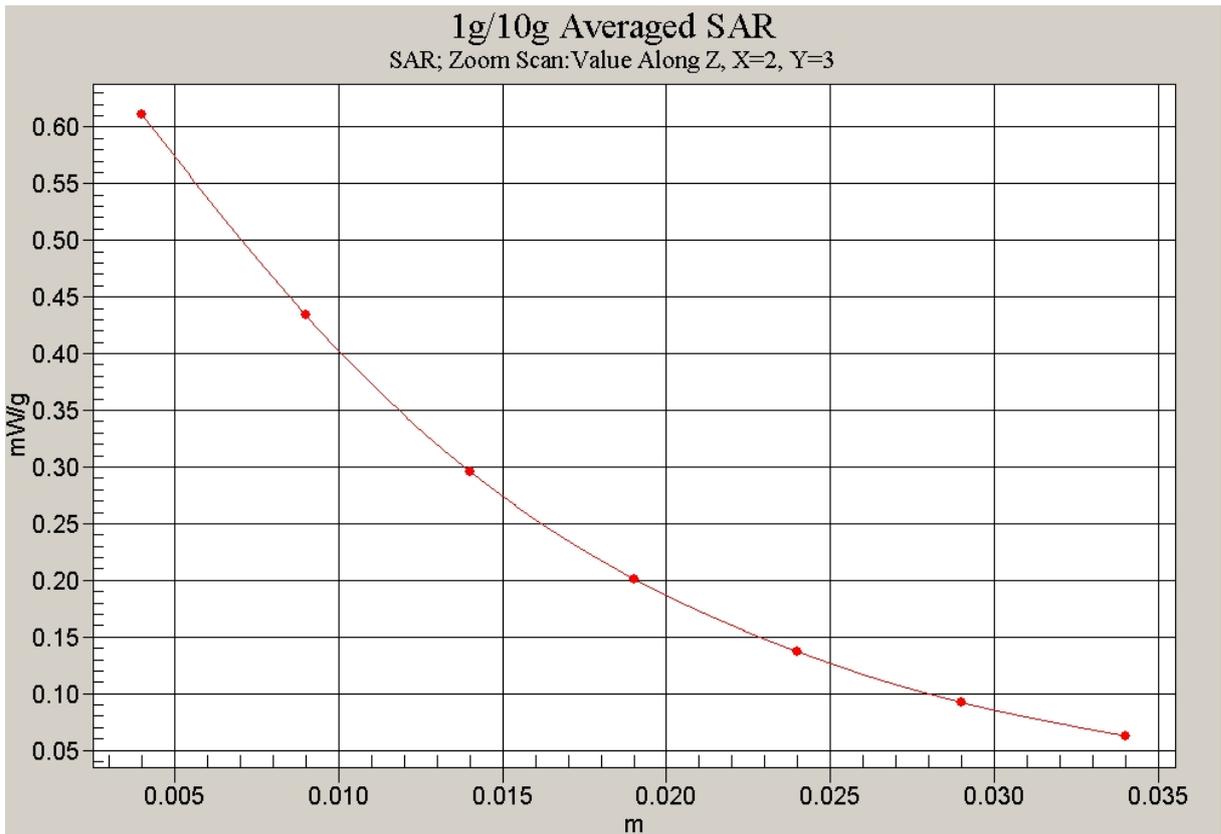


Fig. 64 Z-Scan at power reference point (850 MHz CH190)

### 850 Right Cheek Middle

Date/Time: 2009-2-24 12:11:24

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.56, 6.56, 6.56)

**Cheek Middle/Area Scan (101x141x1):** Measurement grid: dx=10mm, dy=10mm

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

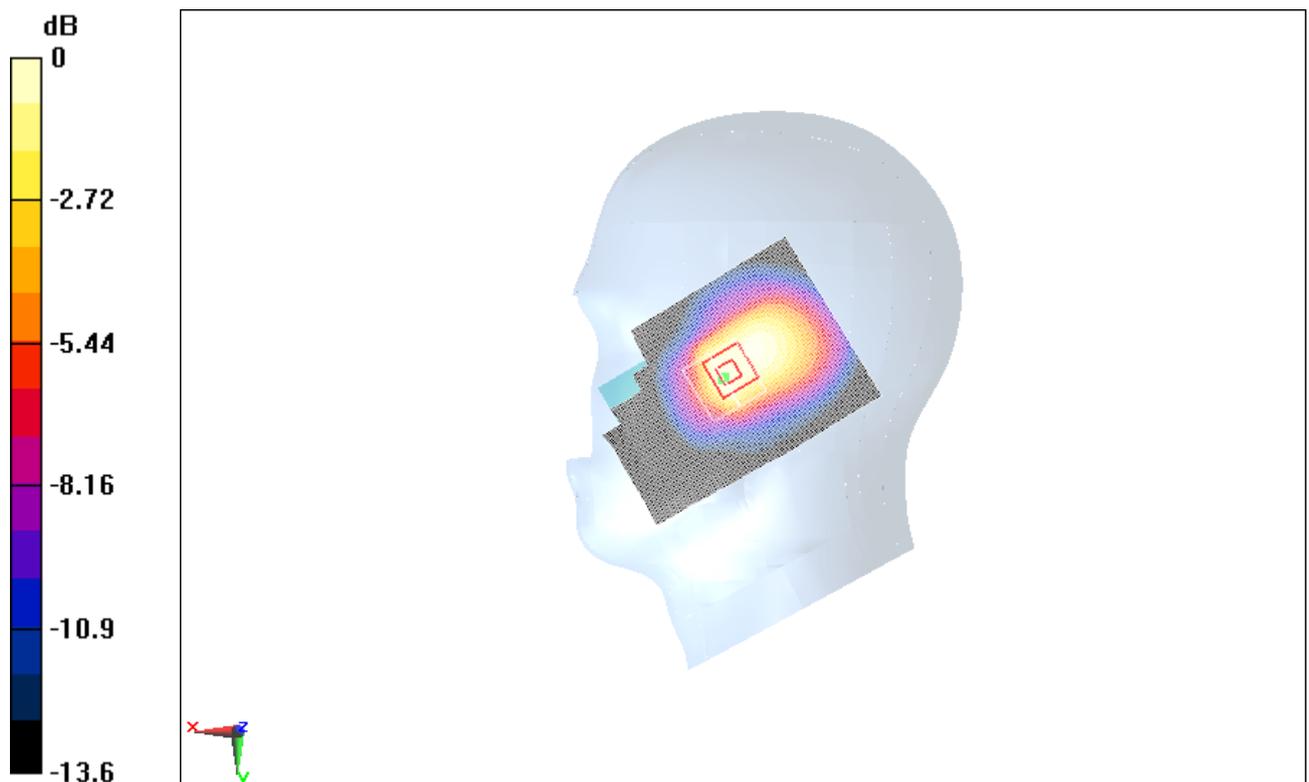
**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.8 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.484 mW/g**

Maximum value of SAR (measured) = 0.783 mW/g



0 dB = 0.783mW/g

Fig. 65 850 MHz CH190

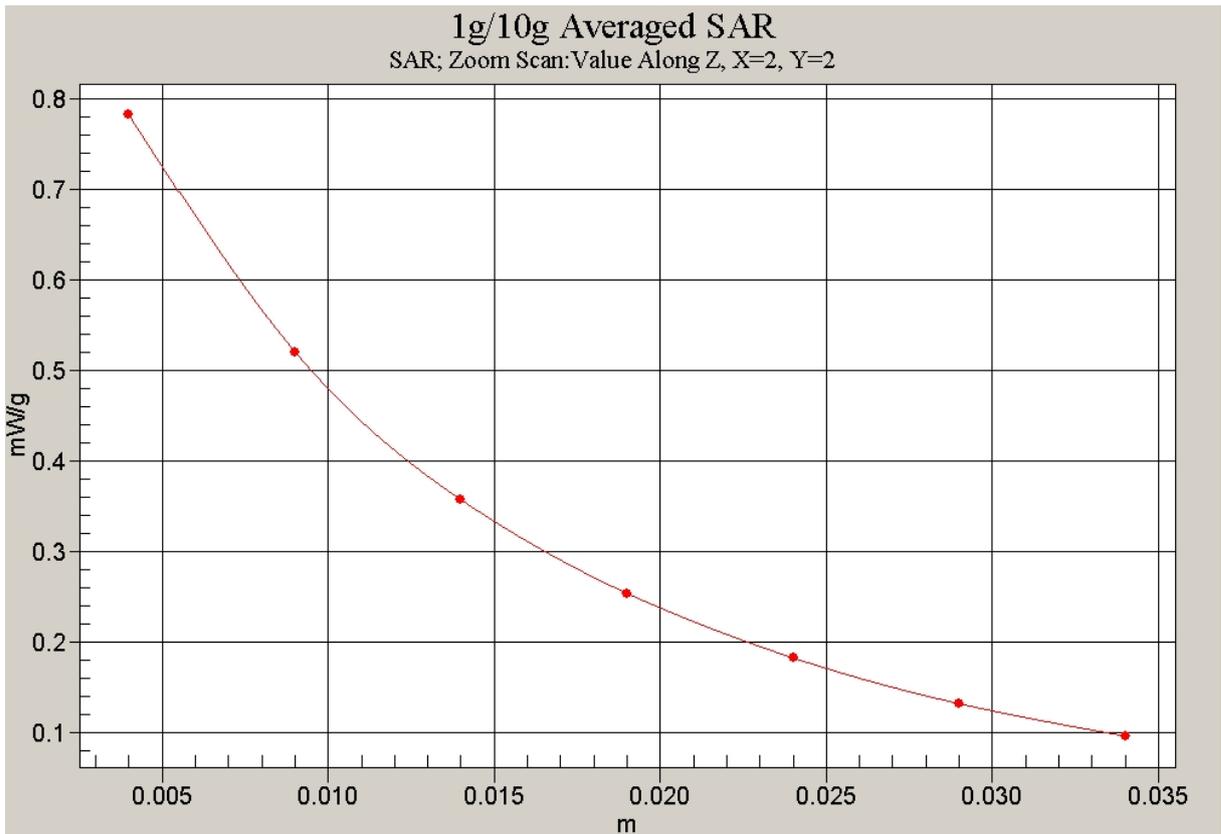


Fig. 66 Z-Scan at power reference point (850 MHz CH190)

### 850 Right Tilt Middle

Date/Time: 2009-2-24 12:25:38

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.56, 6.56, 6.56)

**Tilt Middle/Area Scan (71x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.674 mW/g

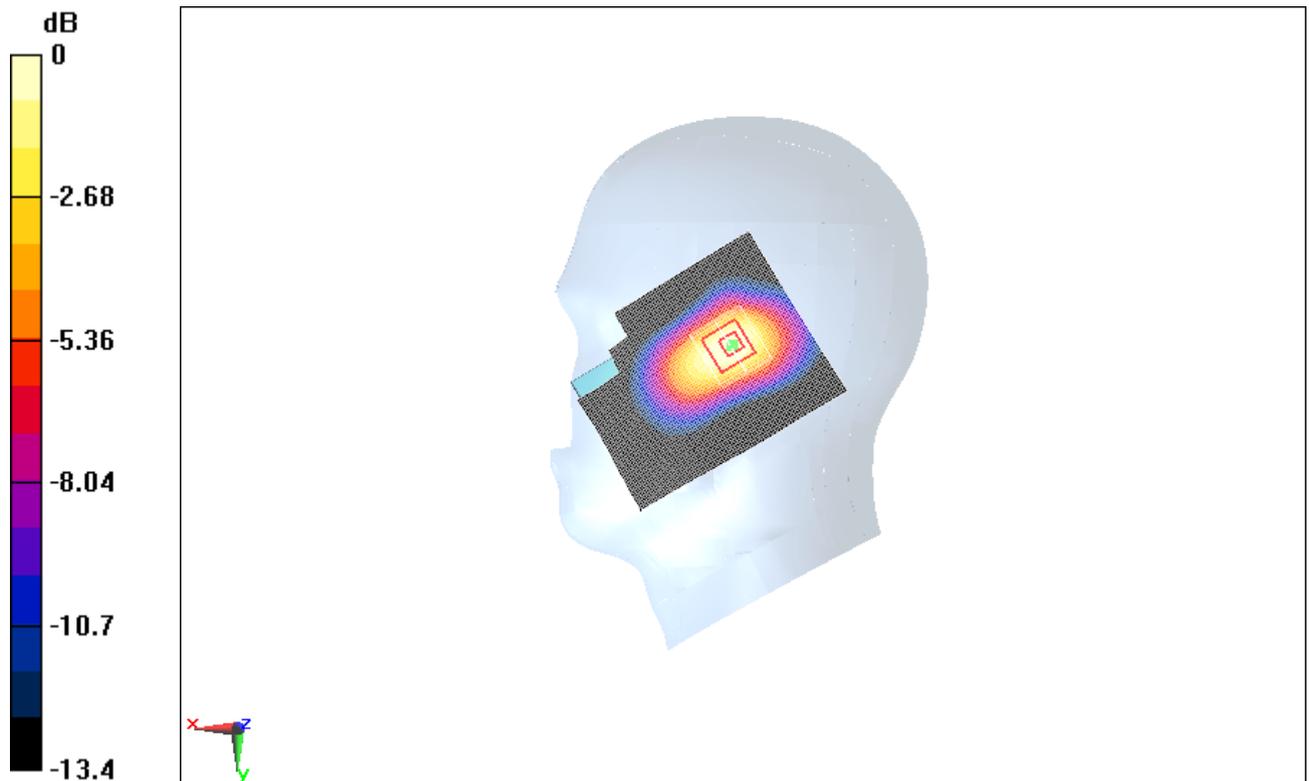
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.811 W/kg

**SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.364 mW/g**

Maximum value of SAR (measured) = 0.615 mW/g



0 dB = 0.615mW/g

Fig. 67 850 MHz CH190

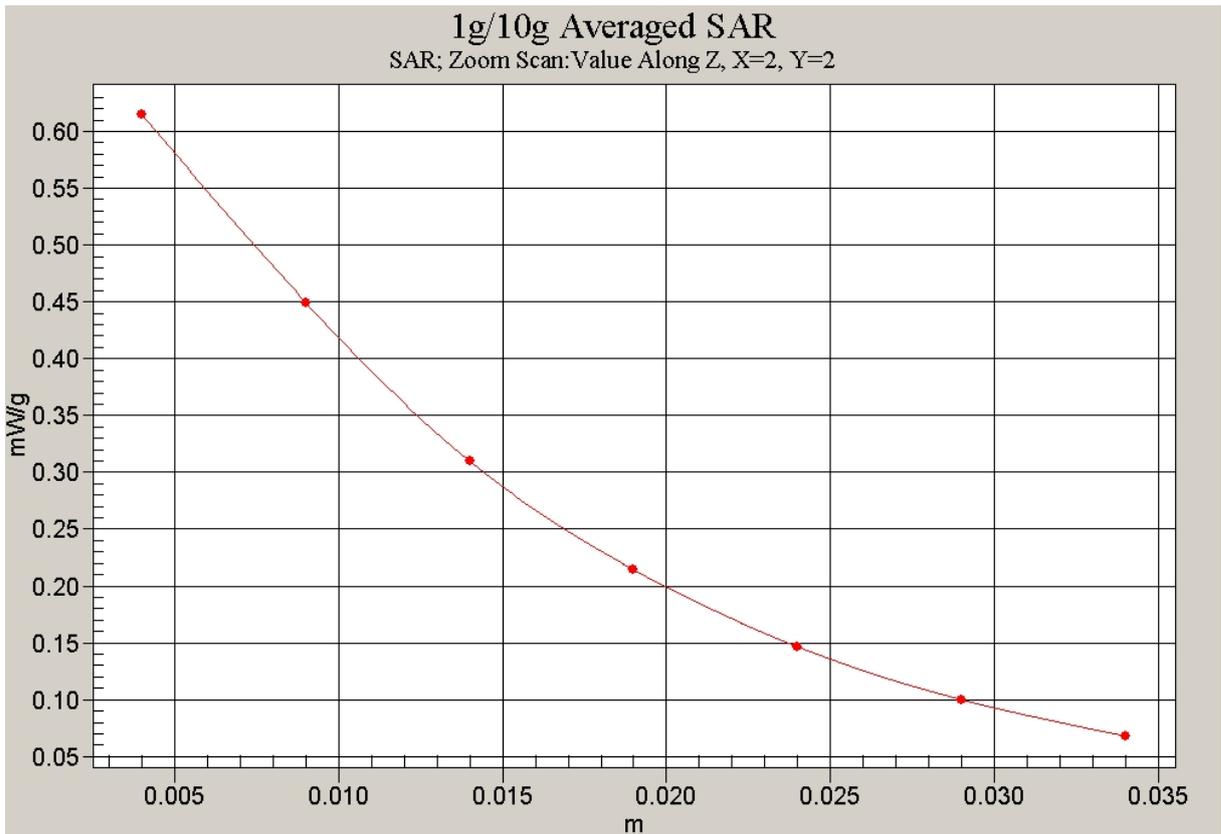


Fig. 68 Z-Scan at power reference point (850 MHz CH190)

### 850 Body Towards Ground High with GPRS

Date/Time: 2009-2-24 12:42:08

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.00$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 1.08 mW/g

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

Reference Value = 33 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 1.000 mW/g; SAR(10 g) = 0.718 mW/g**

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



0 dB = 1.06mW/g

Fig. 69 850 MHz CH251



Fig. 70 Z-Scan at power reference point (850 MHz CH251)

### 850 Body Towards Ground Middle with GPRS

Date/Time: 2009-2-24 12:56:27

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.992 mW/g

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

Reference Value = 31.8 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.915 mW/g; SAR(10 g) = 0.659 mW/g**

Maximum value of SAR (measured) = 0.973 mW/g



0 dB = 0.973mW/g

Fig. 71 850 MHz CH190

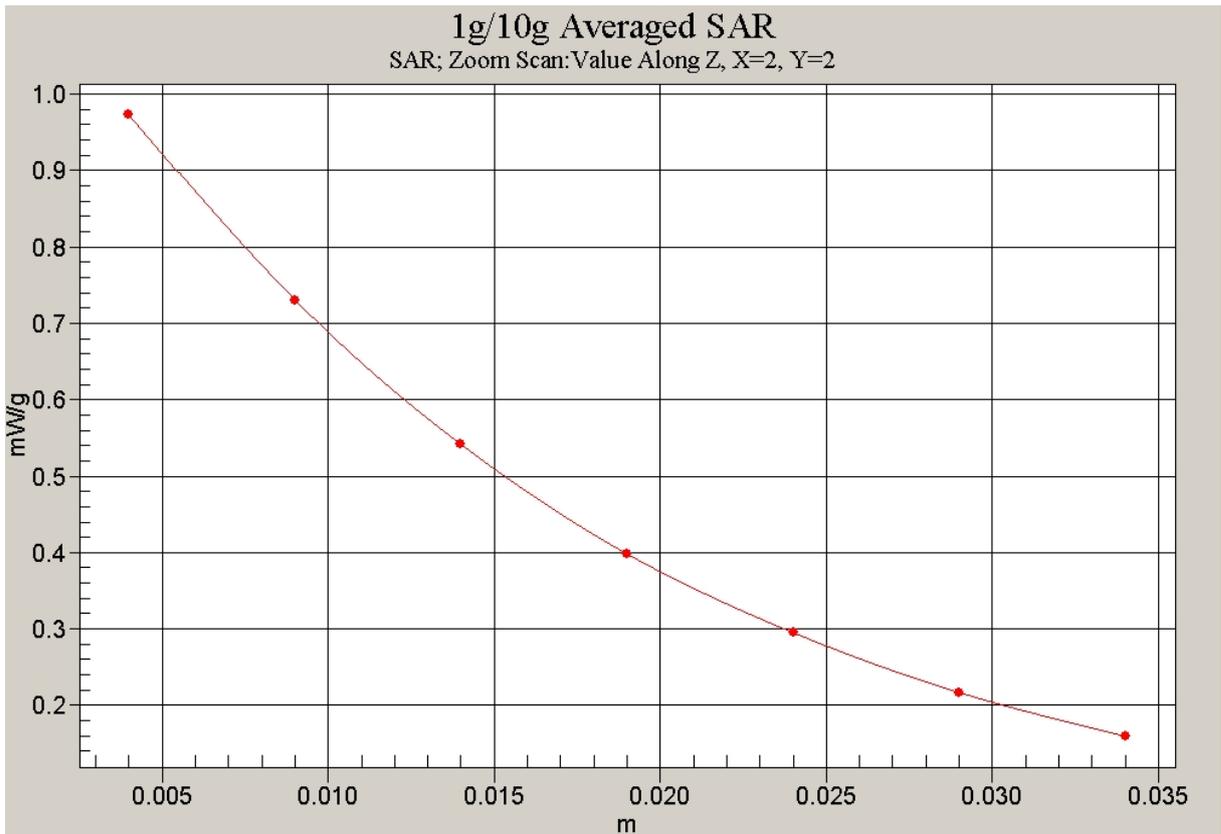


Fig. 72 Z-Scan at power reference point (850 MHz CH190)

### 850 Body Towards Ground Low with GPRS

Date/Time: 2009-2-24 13:10:21

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated):  $f = 825$  MHz;  $\sigma = 0.973$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  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: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.915 mW/g

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

Reference Value = 30.5 V/m; Power Drift = 0.079 dB

Peak SAR (extrapolated) = 1.12 W/kg

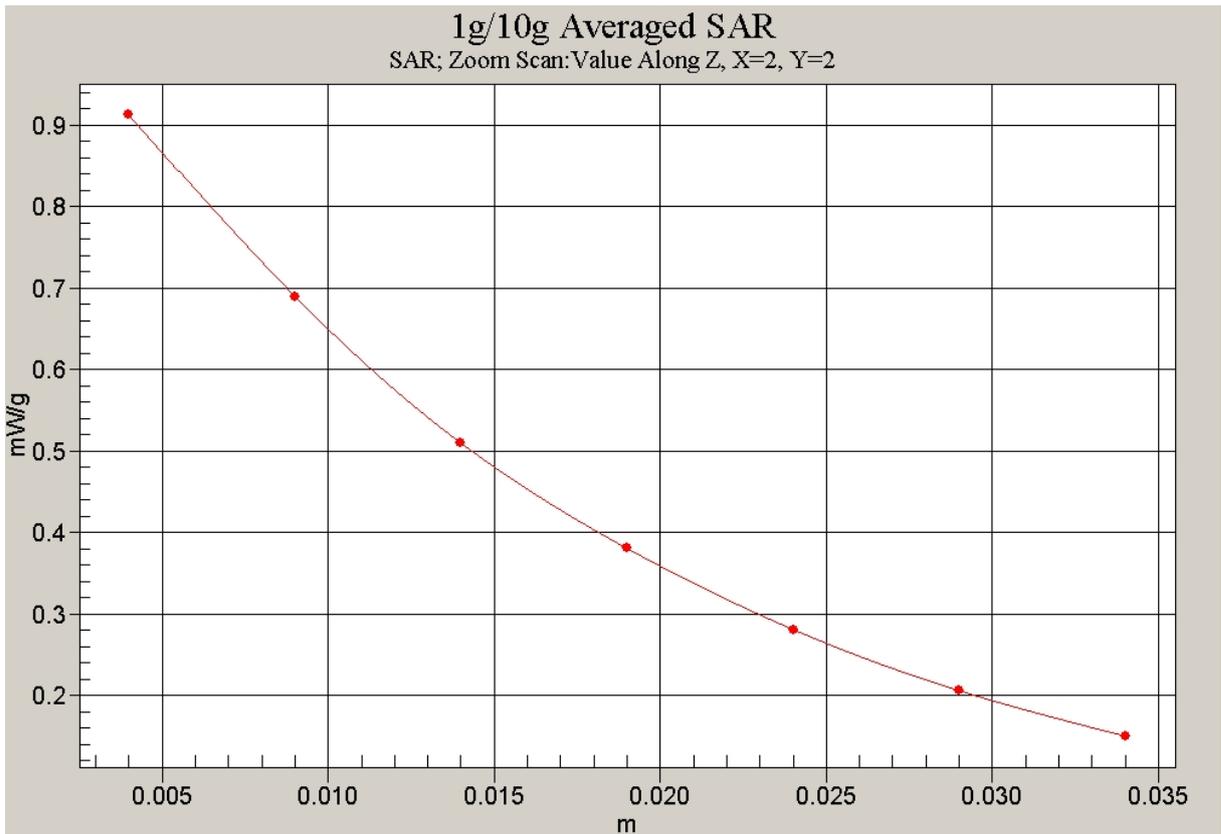
**SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.623 mW/g**

Maximum value of SAR (measured) = 0.913 mW/g



0 dB = 0.913mW/g

Fig. 73 850 MHz CH128



**Fig. 74 Z-Scan at power reference point (850 MHz CH128)**

### 850 Body Towards Phantom High with GPRS

Date/Time: 2009-2-24 13:24:33

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.00$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.662 mW/g

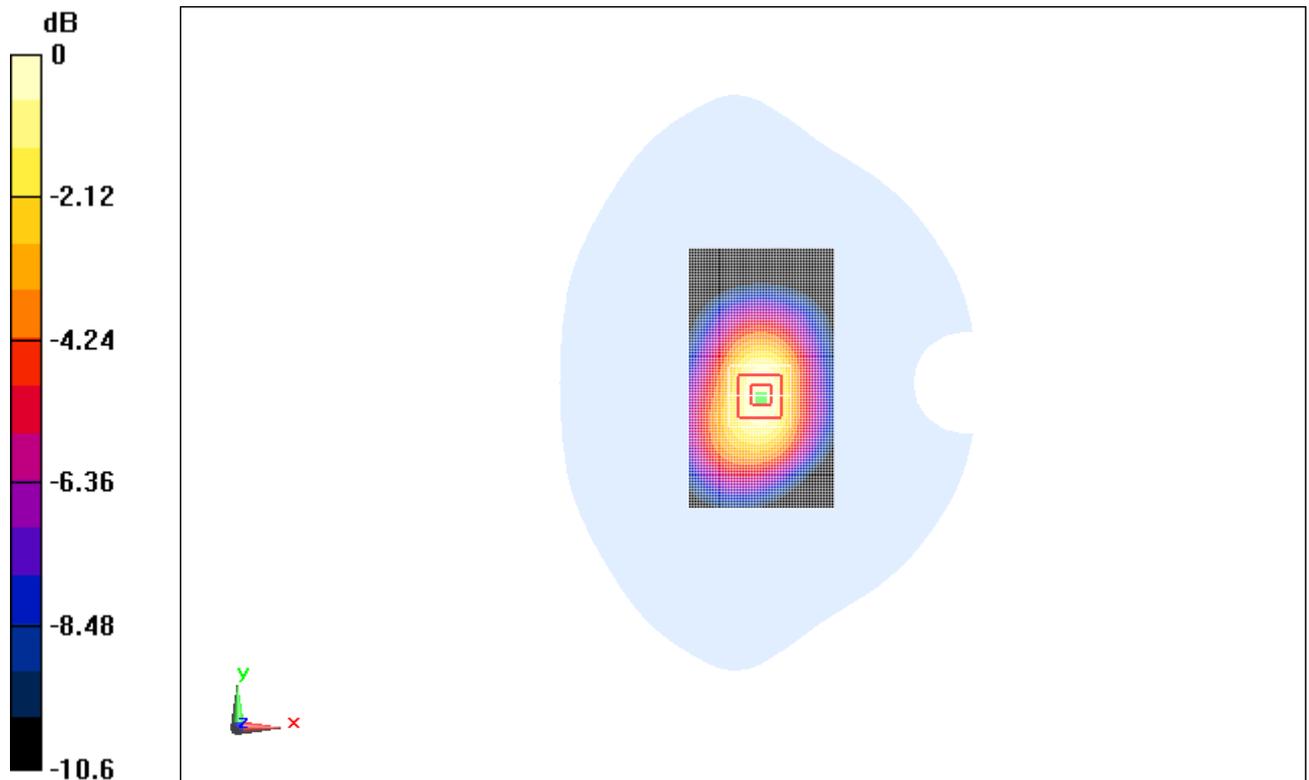
**Towards Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.5 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.747 W/kg

**SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.431 mW/g**

Maximum value of SAR (measured) = 0.652 mW/g



0 dB = 0.652mW/g

Fig. 75 850 MHz CH251

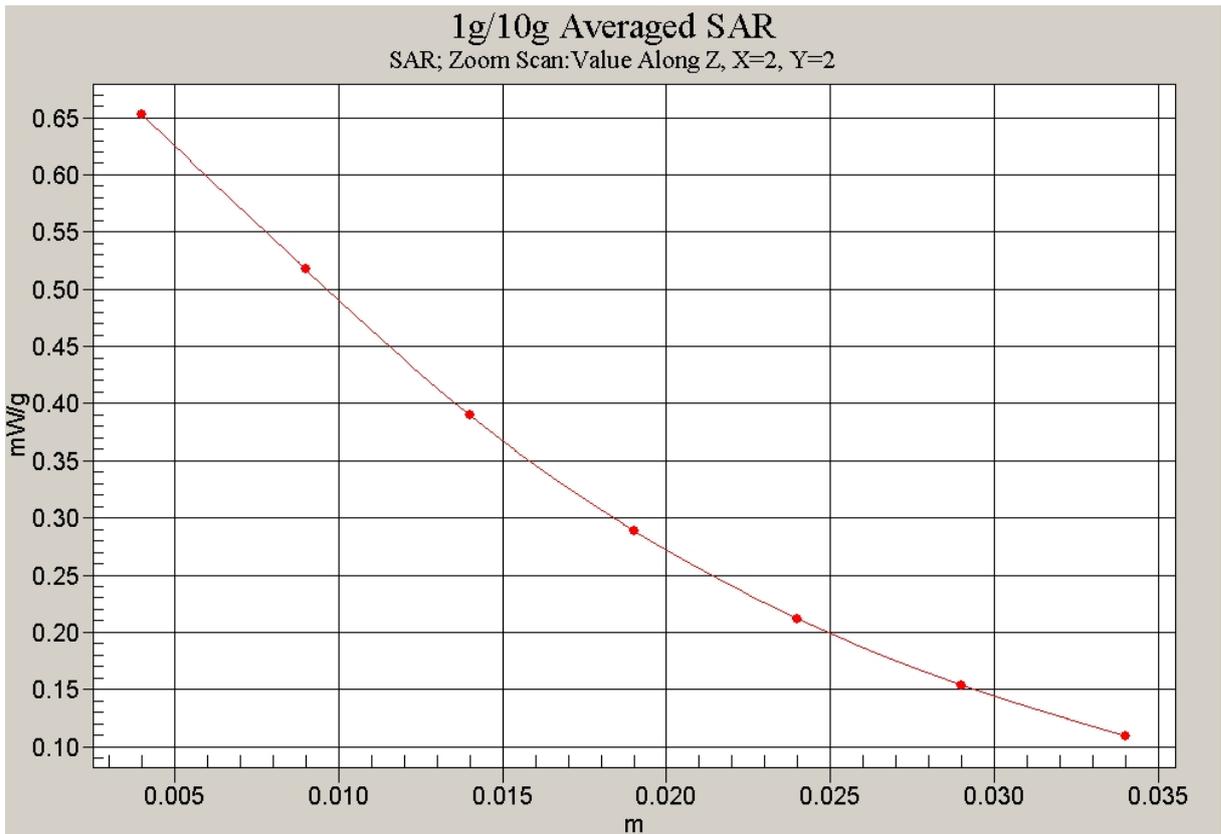


Fig. 76 Z-Scan at power reference point (850 MHz CH251)

### 850 Body Towards Phantom Middle with GPRS

Date/Time: 2009-2-24 13:38:47

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.637 mW/g

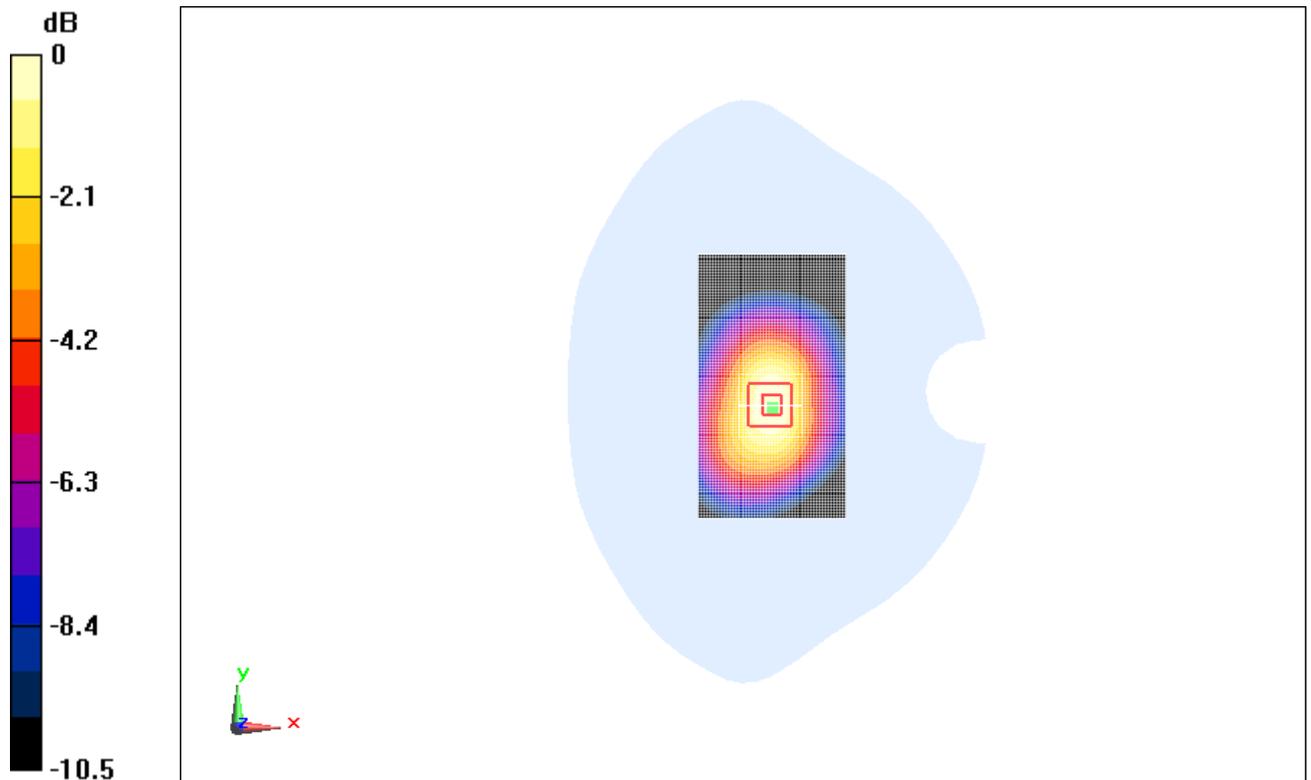
**Towards Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.2 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 0.721 W/kg

**SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.418 mW/g**

Maximum value of SAR (measured) = 0.630 mW/g



0 dB = 0.630mW/g

Fig. 77 850 MHz CH190

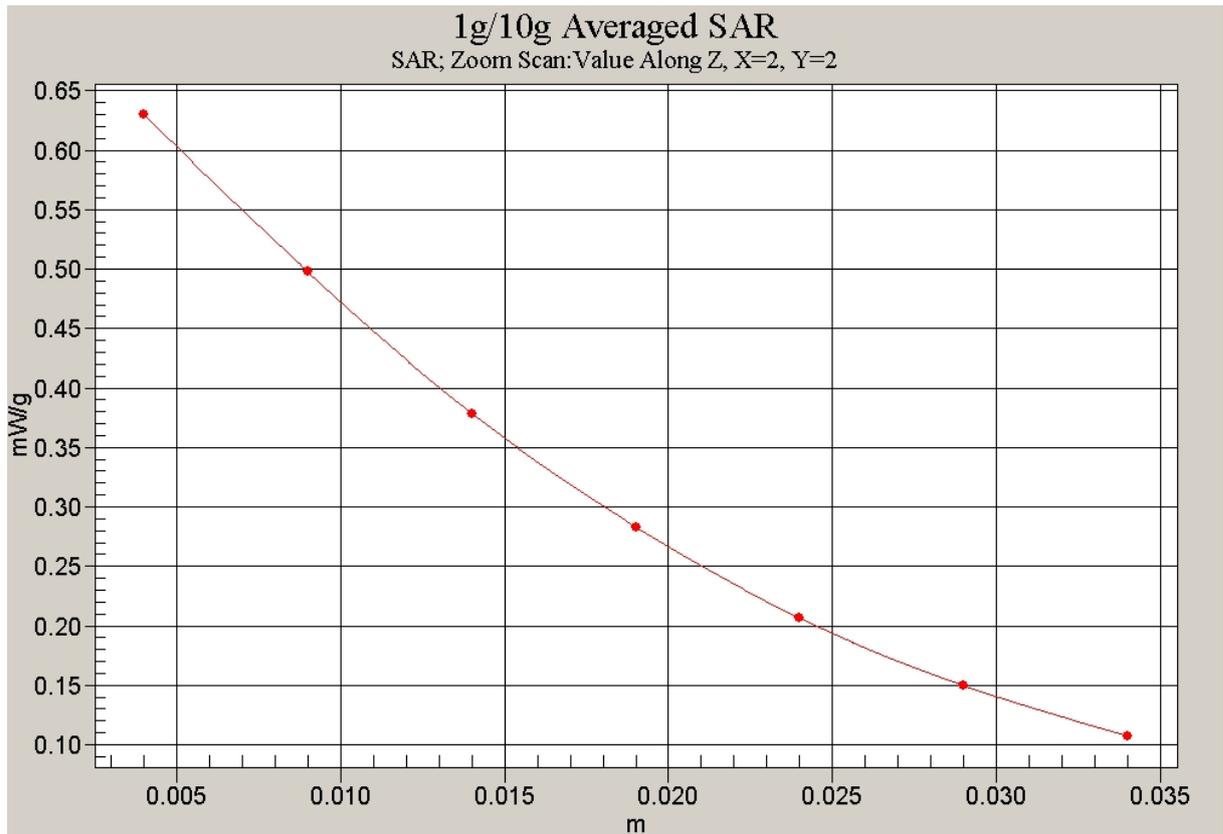


Fig. 78 Z-Scan at power reference point (850 MHz CH190)

### 850 Body Towards Phantom Low with GPRS

Date/Time: 2009-2-24 13:52:14

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.973$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  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: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

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

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

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

Reference Value = 18 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.433 W/kg

**SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.181 mW/g**

Maximum value of SAR (measured) = 0.315 mW/g



0 dB = 0.315mW/g

Fig. 79 850 MHz CH128

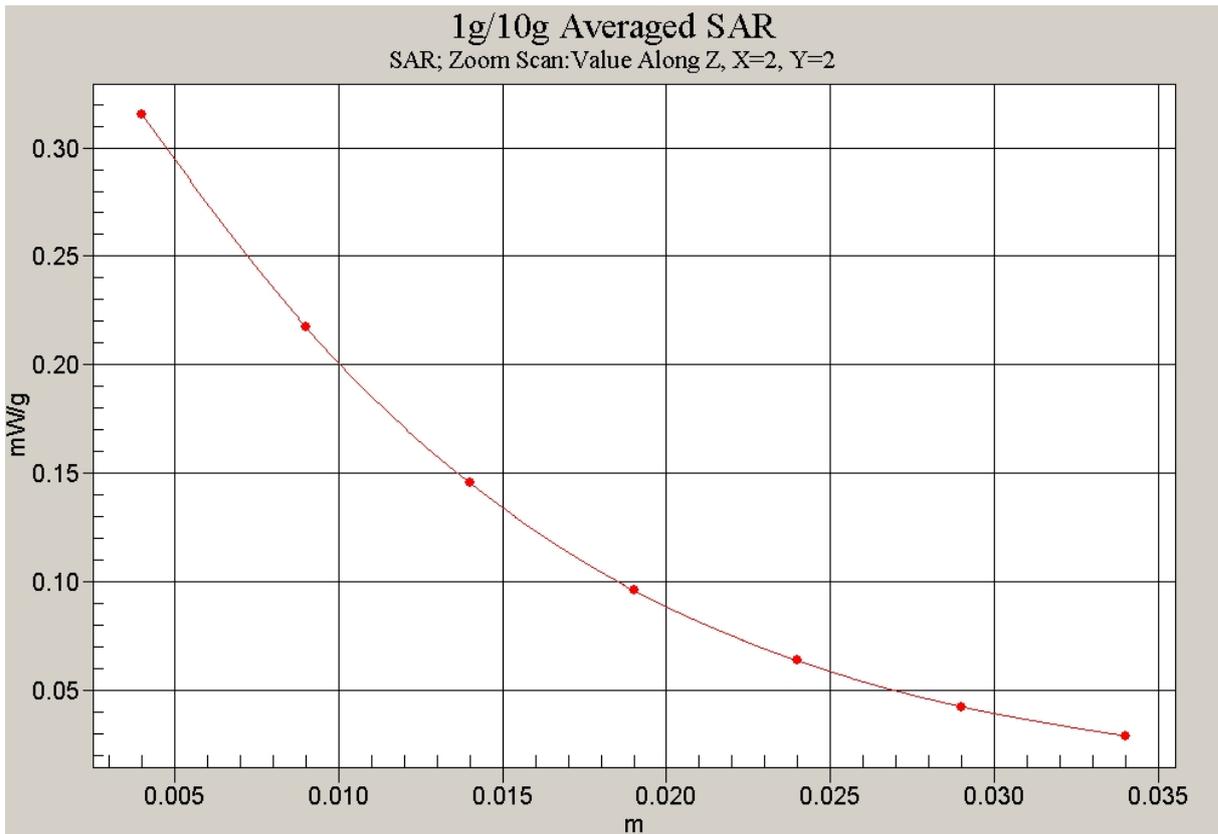


Fig. 80 Z-Scan at power reference point (850 MHz CH128)

### 850 Body Towards Ground High with EGPRS

Date/Time: 2009-2-24 14:07:42

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.00$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.22, 6.22, 6.22)

### Towards Ground High with EGPRS/Area Scan (51x91x1): Measurement grid:

$dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (interpolated) = 0.454 mW/g

### Towards Ground High with EGPRS/Zoom Scan (7x7x7)/Cube 0: Measurement

grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 21.3 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.559 W/kg

**SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.300 mW/g**

Maximum value of SAR (measured) = 0.446 mW/g



0 dB = 0.446mW/g

Fig. 81 850 MHz CH251

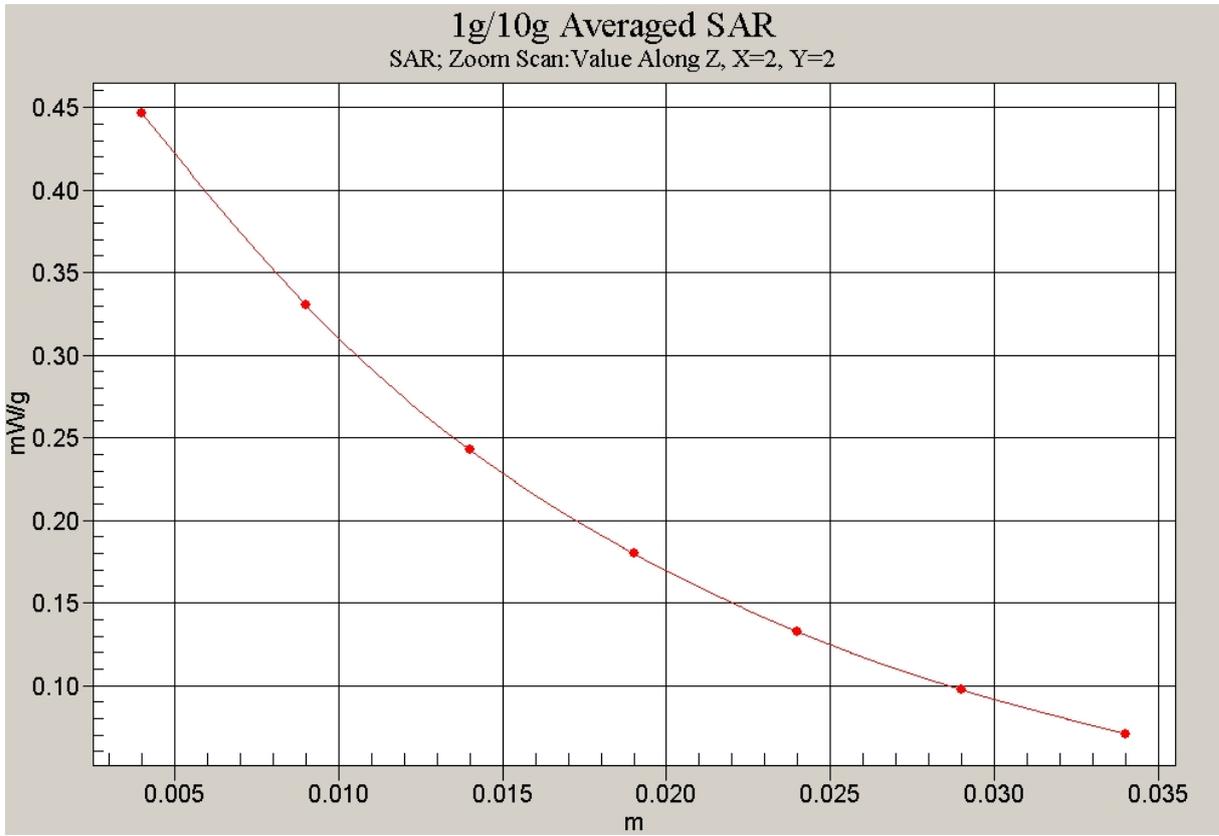


Fig. 82 Z-Scan at power reference point (850 MHz CH251)

### 850 Body Towards Ground High with Headset

Date/Time: 2009-2-24 14:22:09

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.00$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  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 - SN3149 ConvF(6.22, 6.22, 6.22)

### Towards Ground High with earphone/Area Scan (51x91x1): Measurement grid:

dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.743 mW/g

### Towards Ground High with earphone/Zoom Scan (7x7x7)/Cube 0: Measurement

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.2 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.921 W/kg

**SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.485 mW/g**

Maximum value of SAR (measured) = 0.726 mW/g



0 dB = 0.726mW/g

Fig. 83 850 MHz CH251

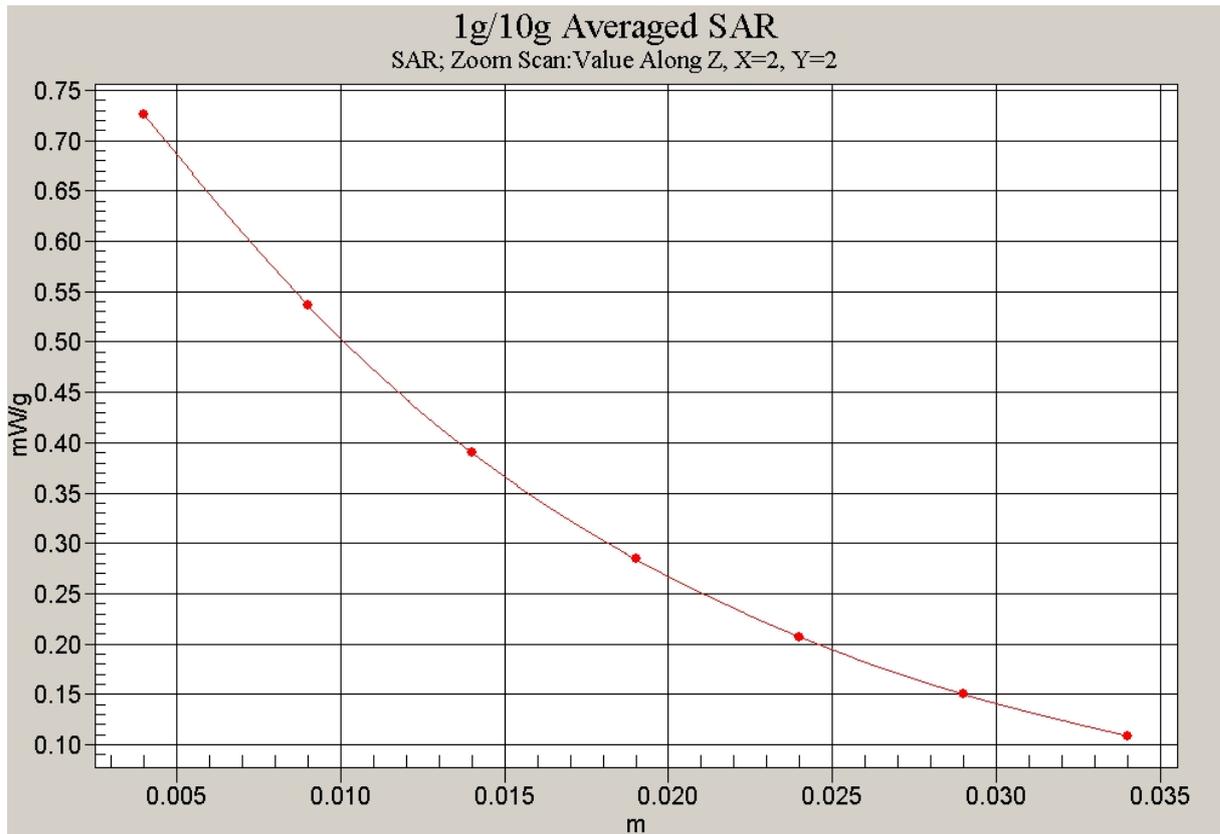


Fig. 84 Z-Scan at power reference point (850 MHz CH251)

### 1900 Left Cheek High

Date/Time: 2009-2-25 11:25:43

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  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 - SN3149 ConvF(5.03, 5.03, 5.03)

**Cheek High/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.415 mW/g

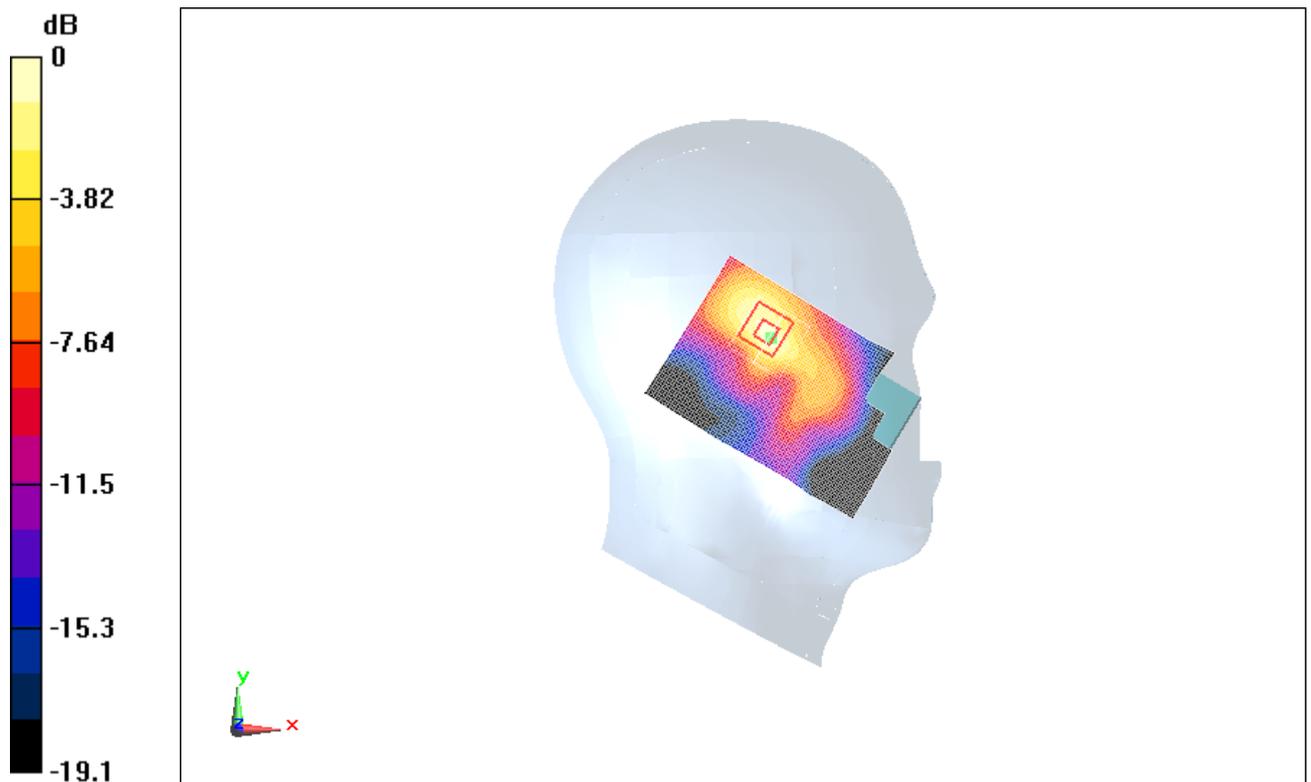
**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.65 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.694 W/kg

**SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.214 mW/g**

Maximum value of SAR (measured) = 0.473 mW/g



0 dB = 0.473mW/g

Fig. 85 1900 MHz CH810

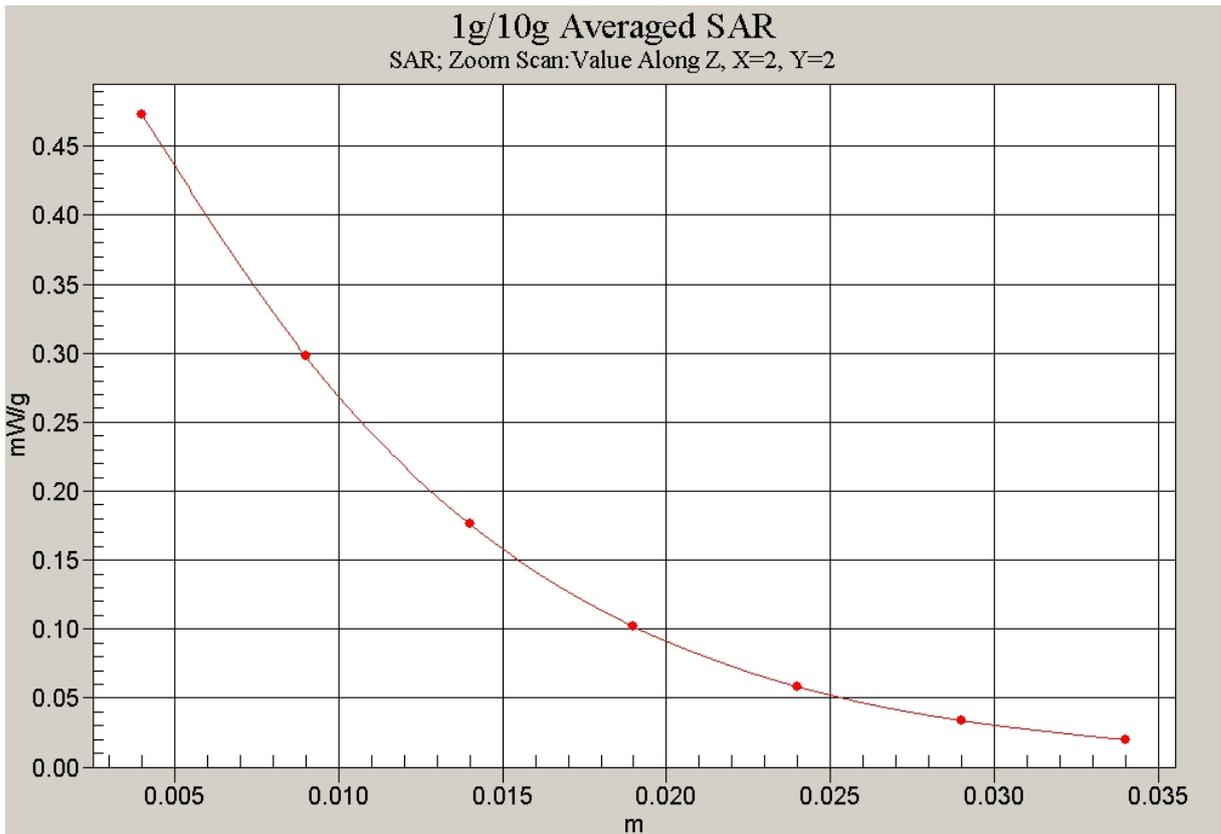


Fig. 86 Z-Scan at power reference point (1900 MHz CH810)

**1900 Left Cheek Middle**

Date/Time: 2009-2-25 11:39:04

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  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 - SN3149 ConvF(5.03, 5.03, 5.03)

**Cheek Middle/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.528 mW/g

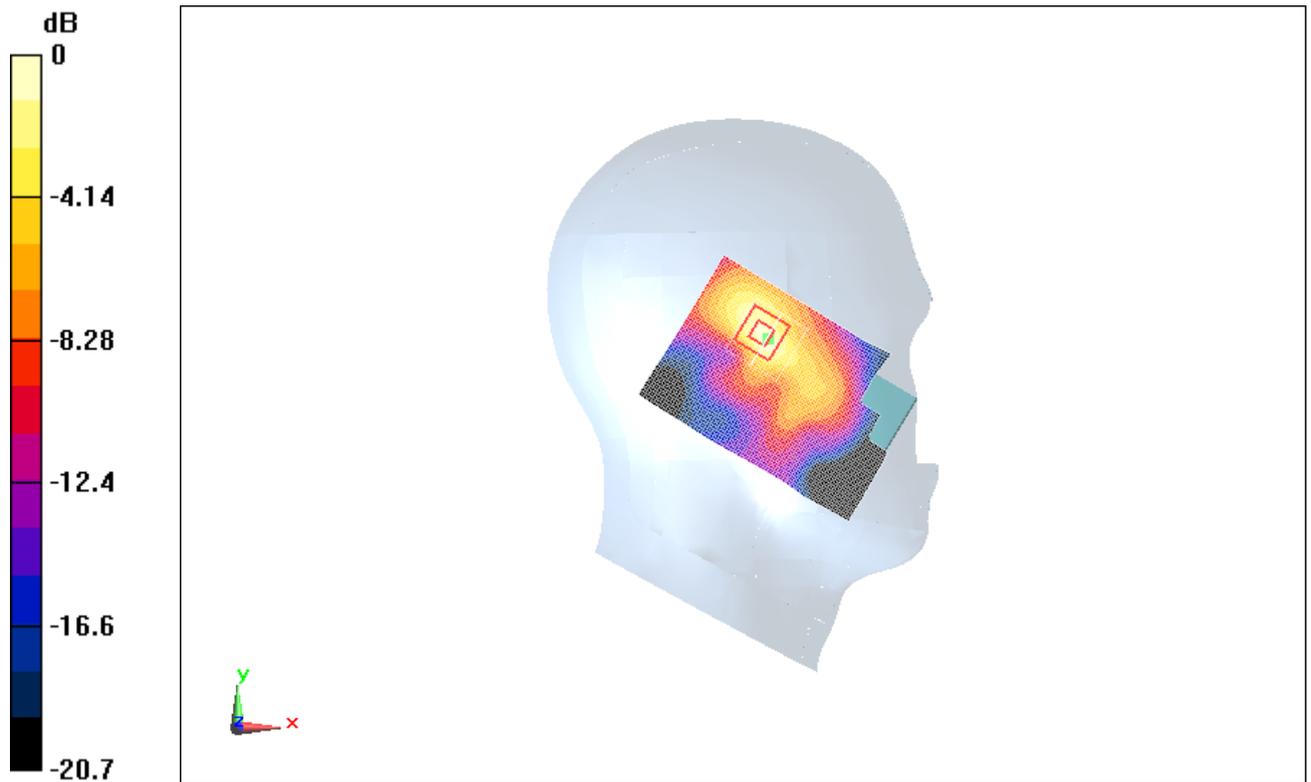
**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.13 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.926 W/kg

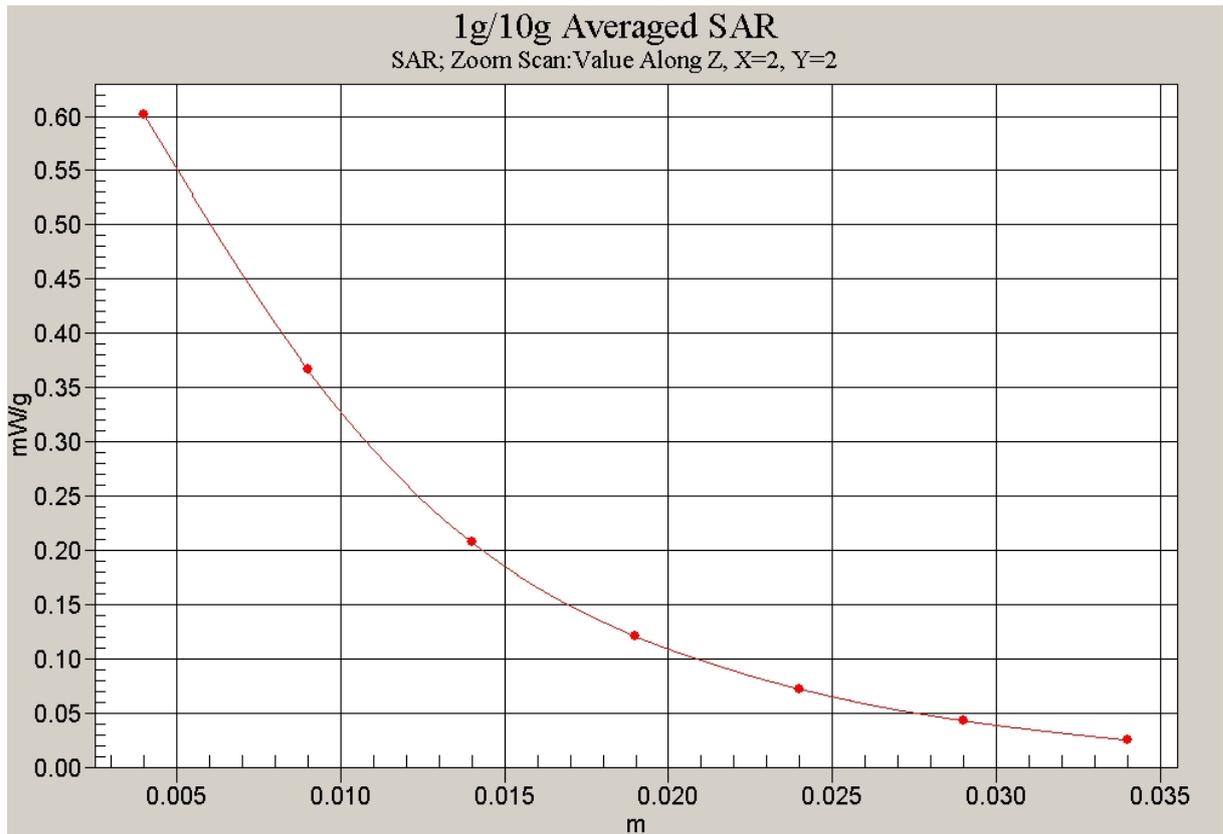
**SAR(1 g) = 0.536 mW/g; SAR(10 g) = 0.263 mW/g**

Maximum value of SAR (measured) = 0.601 mW/g



0 dB = 0.601mW/g

**Fig. 87 1900 MHz CH661**



**Fig. 88 Z-Scan at power reference point (1900 MHz CH661)**

**1900 Left Cheek Low**

Date/Time: 2009-2-25 11:53:12

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  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: 1850.2 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(5.03, 5.03, 5.03)

**Cheek Low/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.577 mW/g

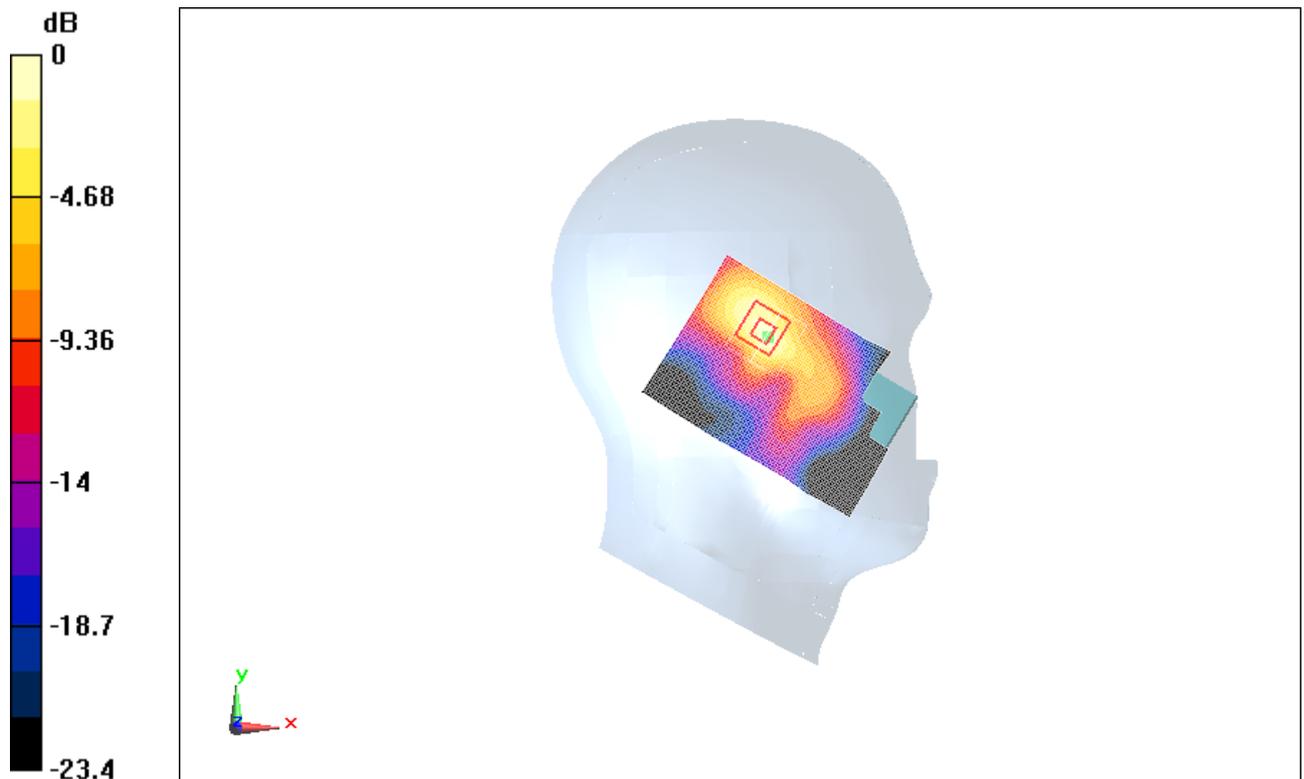
**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.91 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 1.11 W/kg

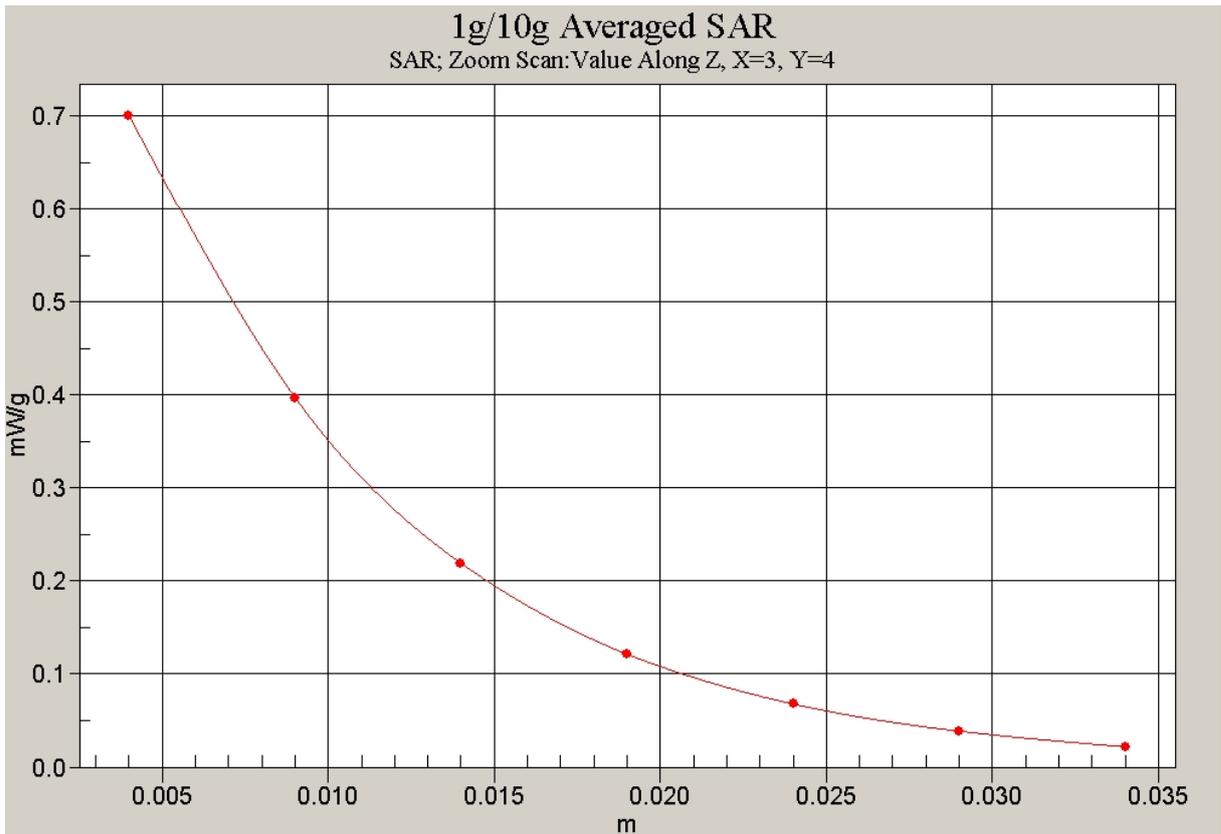
**SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.270 mW/g**

Maximum value of SAR (measured) = 0.701 mW/g



0 dB = 0.701mW/g

**Fig. 89 1900 MHz CH512**



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

**1900 Left Tilt Middle**

Date/Time: 2009-2-25 12:07:25

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  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 - SN3149 ConvF(5.03, 5.03, 5.03)

**Tilt Middle/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.333 mW/g

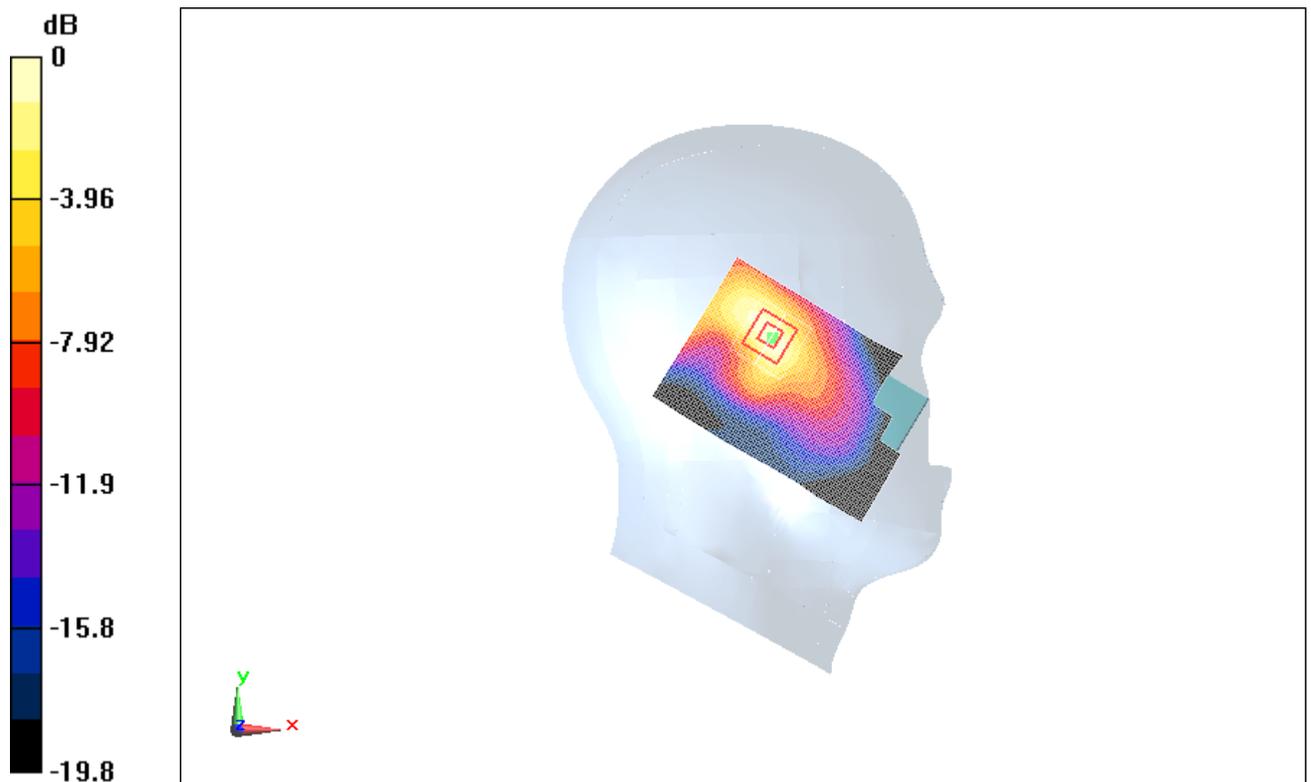
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.6 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.528 W/kg

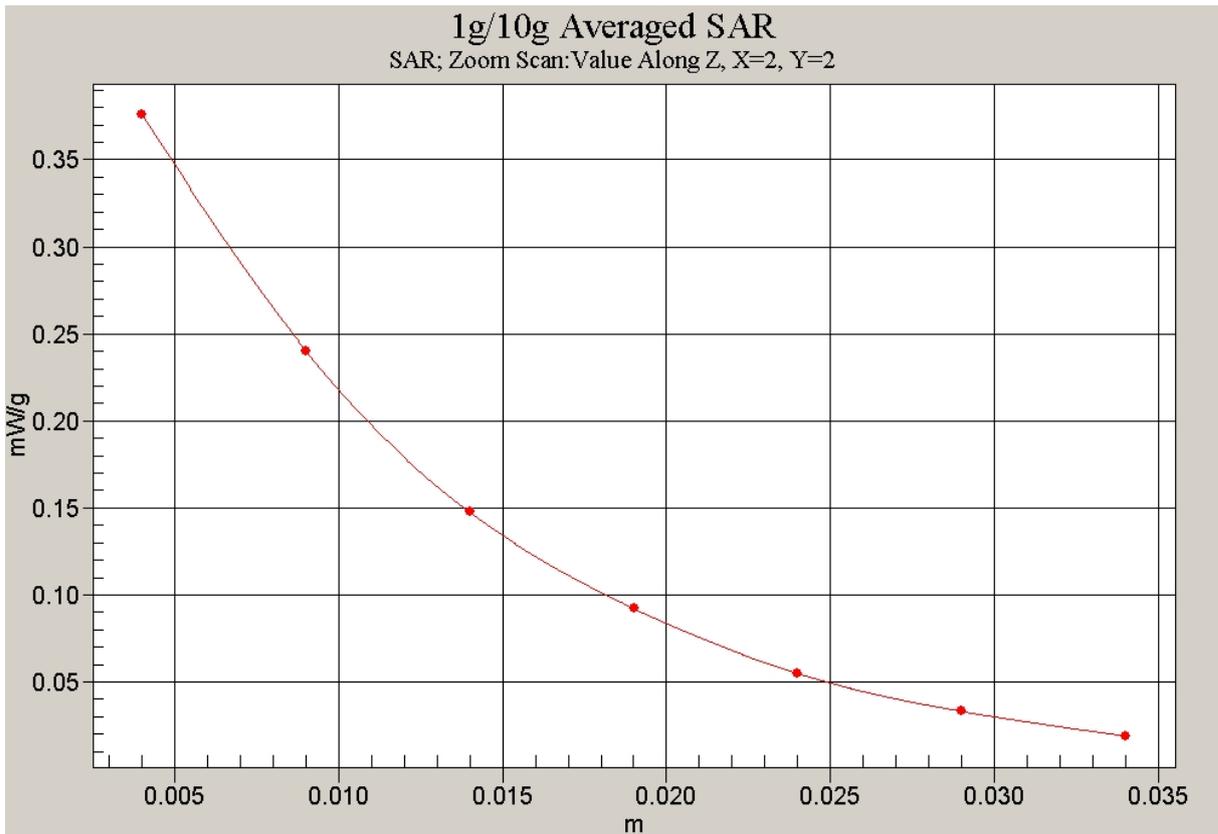
**SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.177 mW/g**

Maximum value of SAR (measured) = 0.376 mW/g



0 dB = 0.376mW/g

**Fig. 91 1900 MHz CH661**



**Fig. 92 Z-Scan at power reference point (1900 MHz CH661)**

### 1900 Right Cheek Middle

Date/Time: 2009-2-25 12:21:36

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  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 - SN3149 ConvF(5.03, 5.03, 5.03)

**Cheek Middle/Area Scan (91x141x1):** Measurement grid: dx=10mm, dy=10mm

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

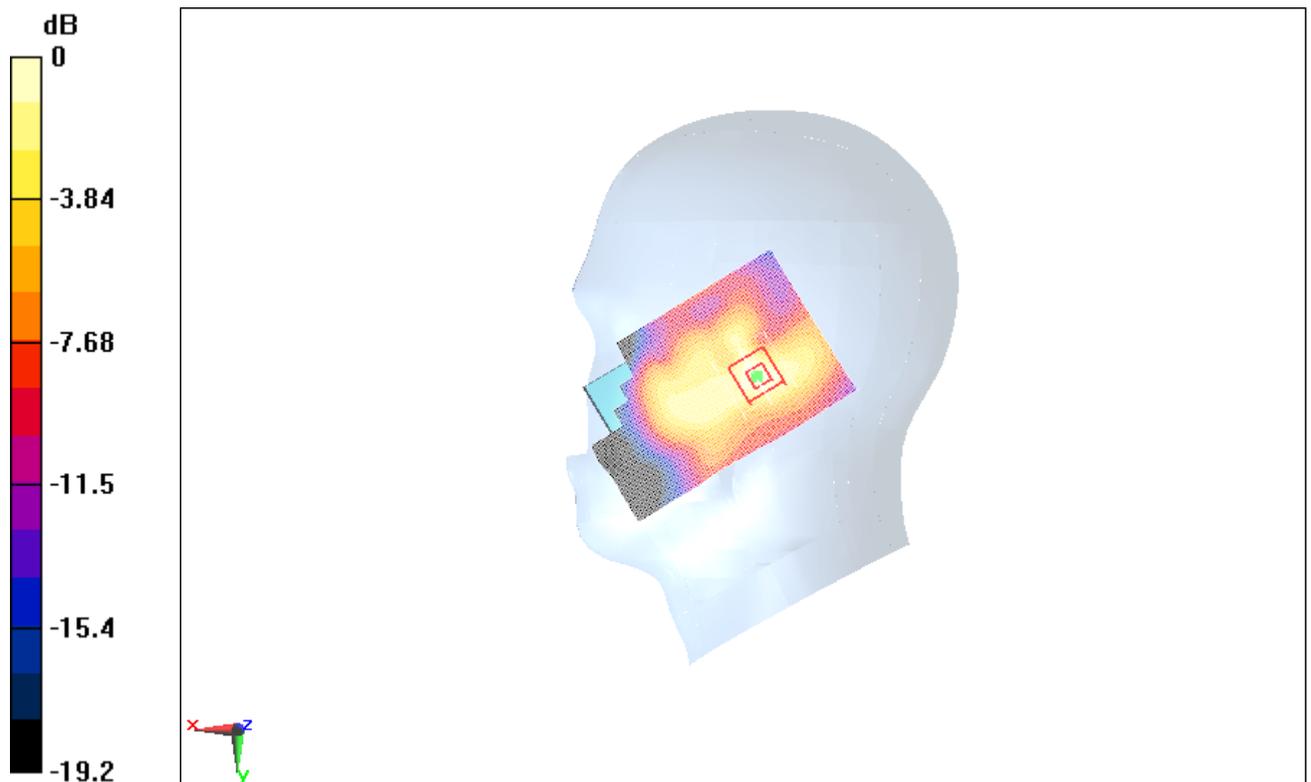
**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.76 V/m; Power Drift = -0.161 dB

Peak SAR (extrapolated) = 0.471 W/kg

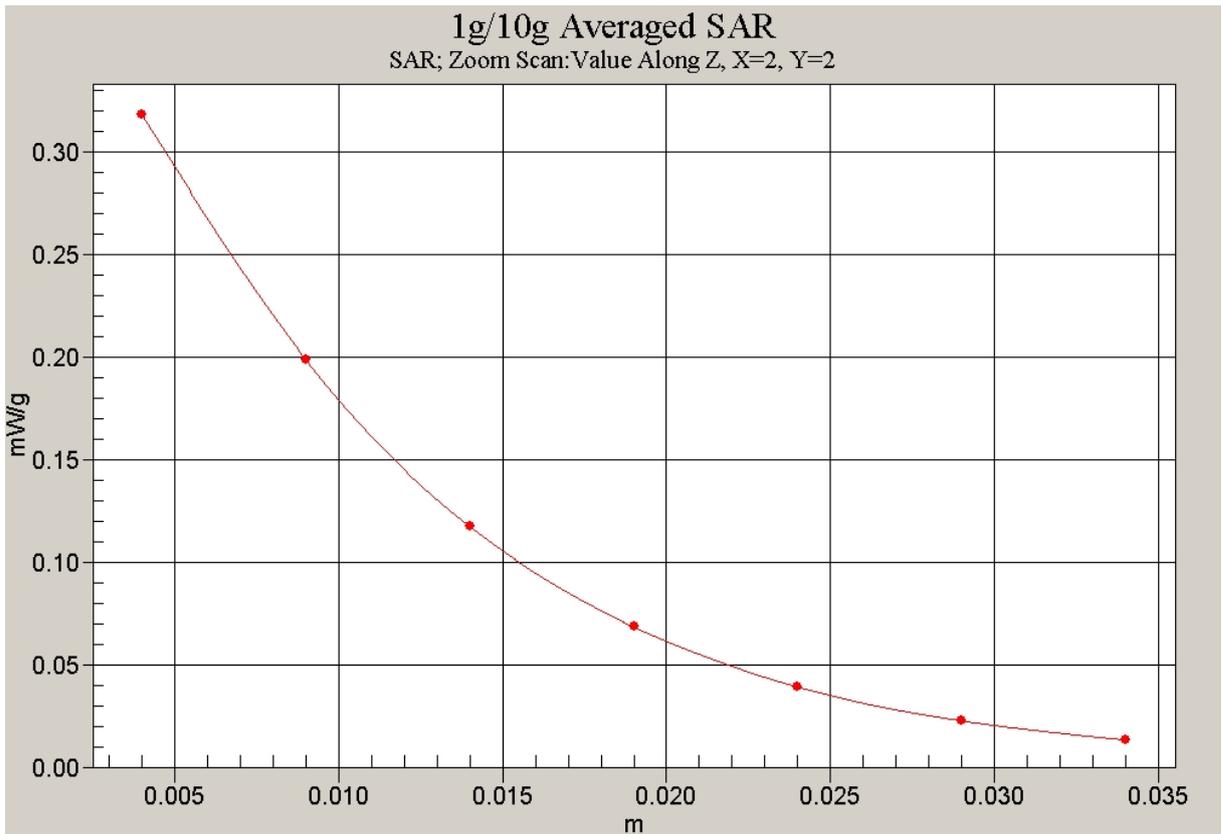
**SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.149 mW/g**

Maximum value of SAR (measured) = 0.318 mW/g



0 dB = 0.318mW/g

Fig. 93 1900 MHz CH661



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

**1900 Right Tilt Middle**

Date/Time: 2009-2-25 12:35:06

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  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 - SN3149 ConvF(5.03, 5.03, 5.03)

**Tilt Middle/Area Scan (91x141x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.247 mW/g

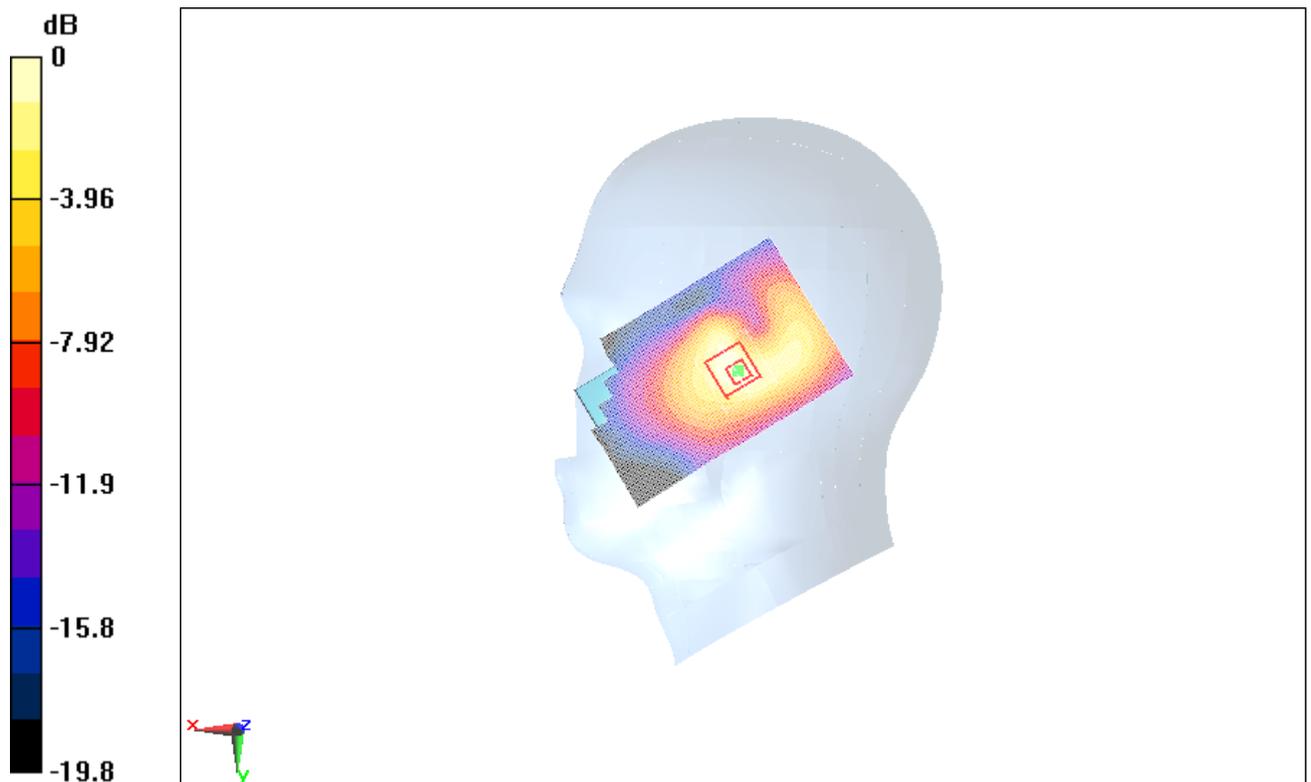
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.54 V/m; Power Drift = 0.092 dB

Peak SAR (extrapolated) = 0.355 W/kg

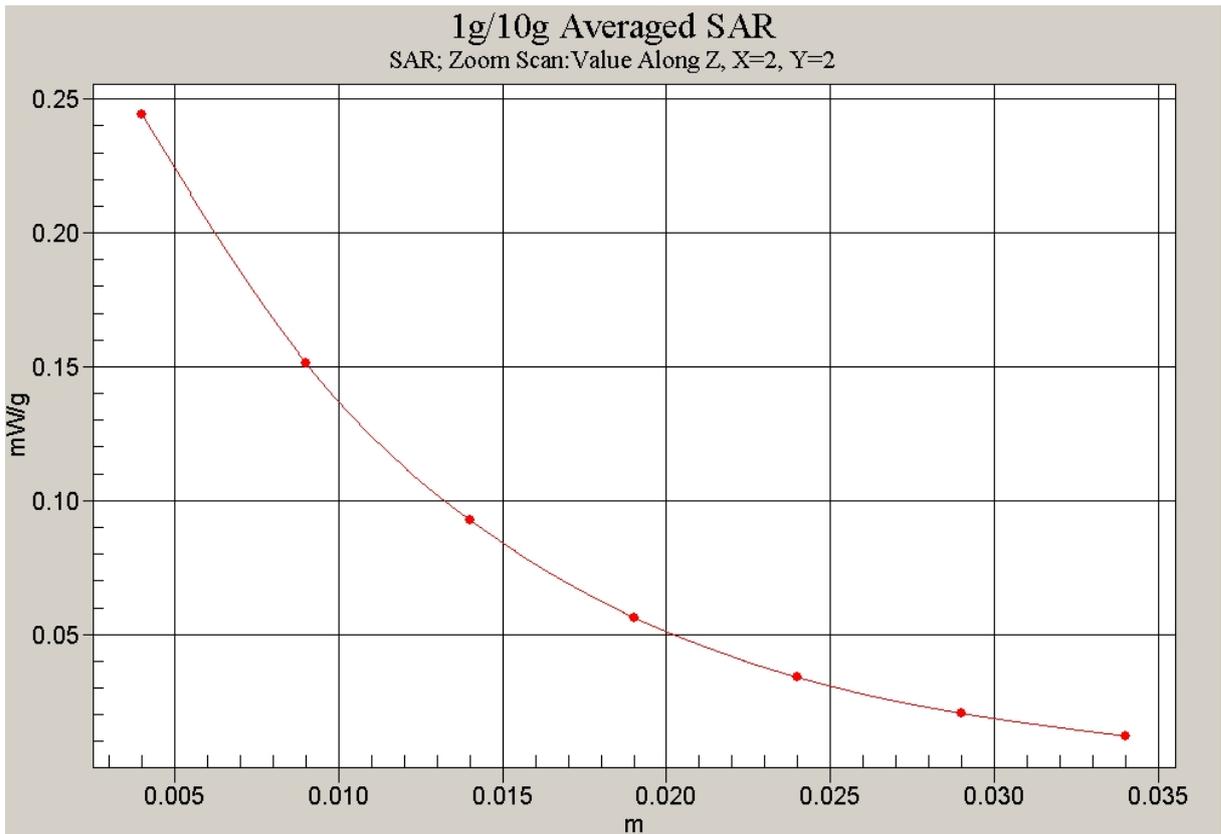
**SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.122 mW/g**

Maximum value of SAR (measured) = 0.244 mW/g



0 dB = 0.244mW/g

**Fig.95 1900 MHz CH661**



**Fig. 96 Z-Scan at power reference point (1900 MHz CH661)**

### 1900 Body Towards Ground High with GPRS

Date/Time: 2009-2-25 12:54:32

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: GSM 1900MHz GPRS Frequency: 1909.8 MHz Duty Cycle: 1:4

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Ground High/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.769 mW/g

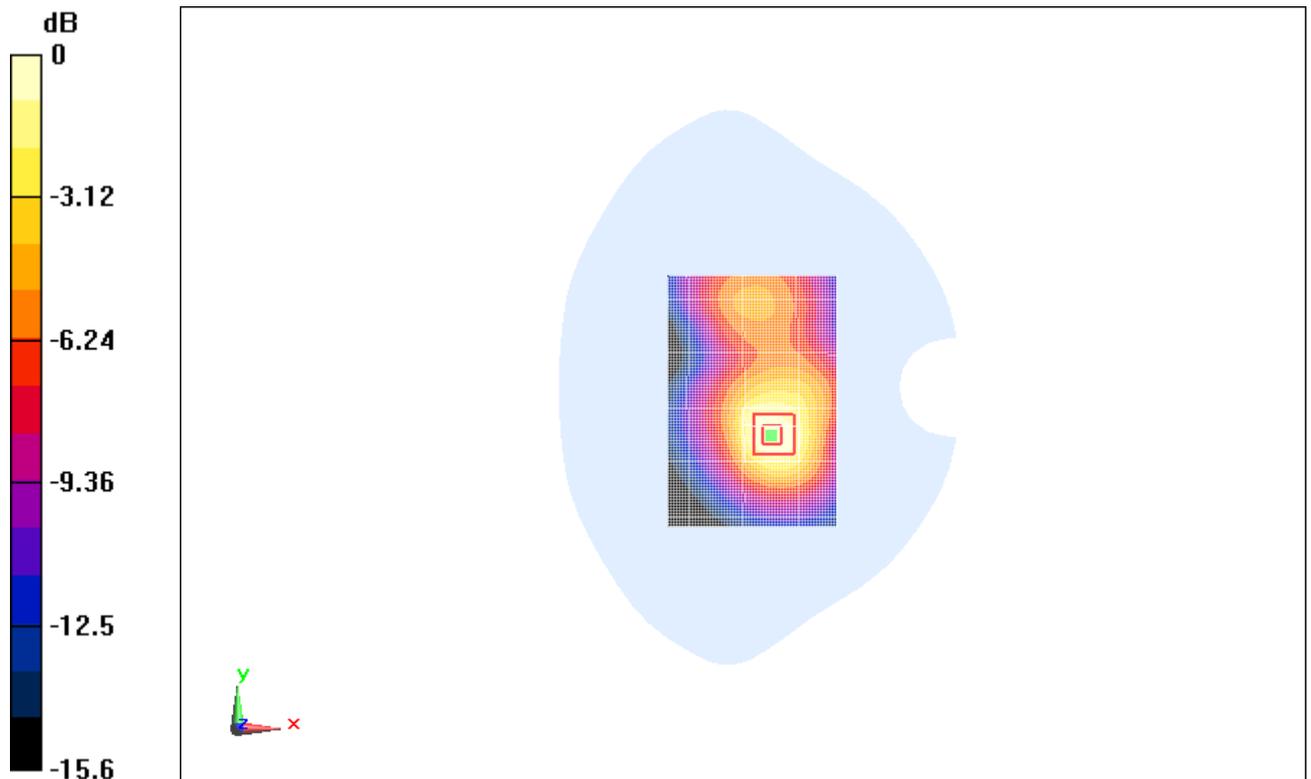
**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 1.14 W/kg

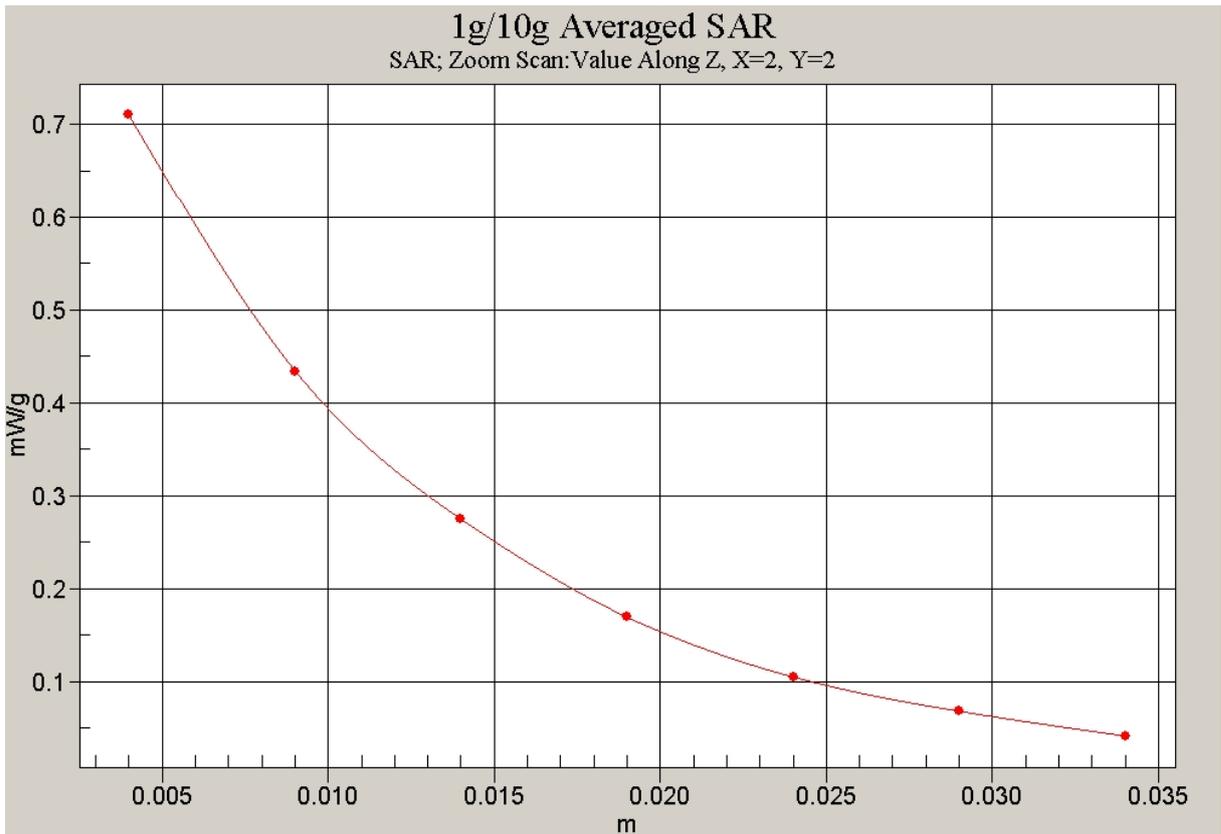
**SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.408 mW/g**

Maximum value of SAR (measured) = 0.710 mW/g



0 dB = 0.710mW/g

Fig. 97 1900 MHz CH810



**Fig. 98 Z-Scan at power reference point (1900 MHz CH810)**

### 1900 Body Towards Ground Middle with GPRS

Date/Time: 2009-2-25 13:08:45

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: GSM 1900MHz GPRS Frequency: 1880 MHz Duty Cycle: 1:4

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Ground Middle/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.870 mW/g

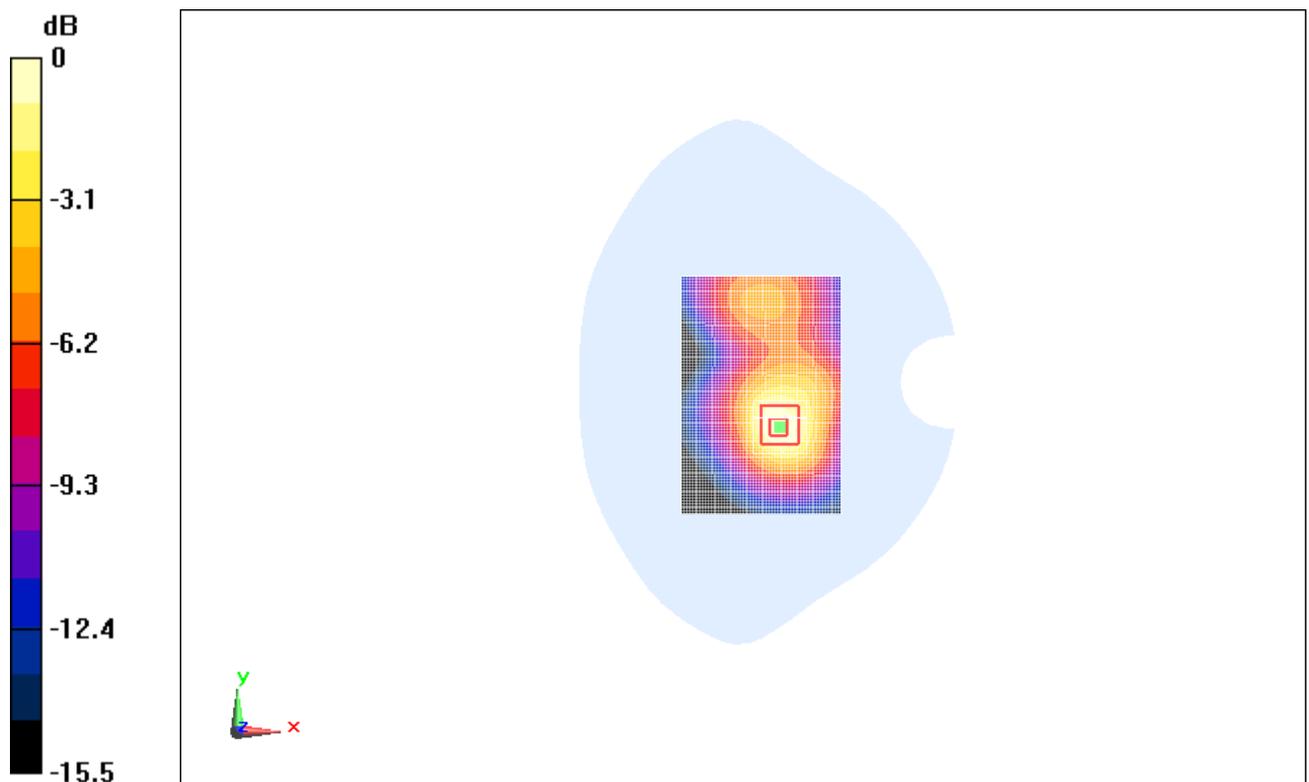
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 1.29 W/kg

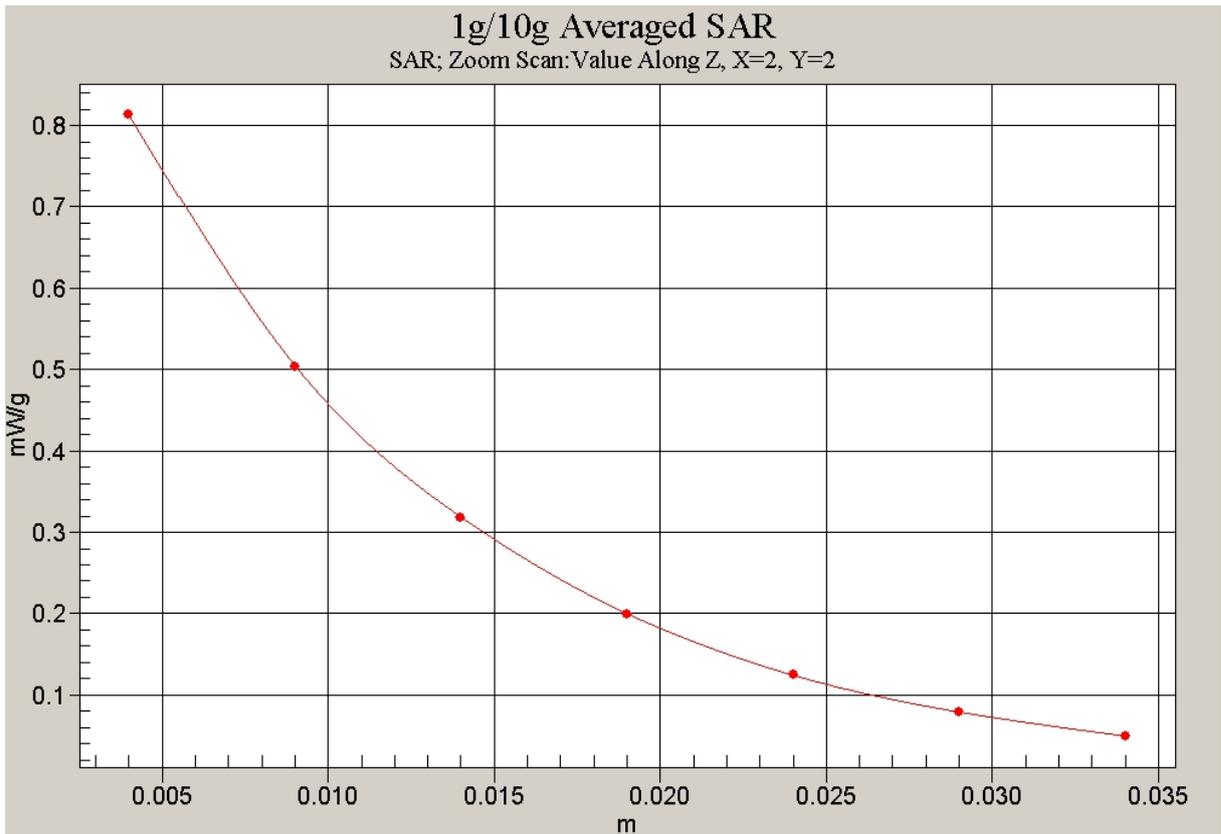
**SAR(1 g) = 0.791 mW/g; SAR(10 g) = 0.462 mW/g**

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



0 dB = 0.813mW/g

Fig. 99 1900 MHz CH661



**Fig. 100 Z-Scan at power reference point (1900 MHz CH661)**

### 1900 Body Towards Ground Low with GPRS

Date/Time: 2009-2-25 13:22:19

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: GSM 1900MHz GPRS Frequency: 1850.2 MHz Duty Cycle: 1:4

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Ground Low/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.820 mW/g

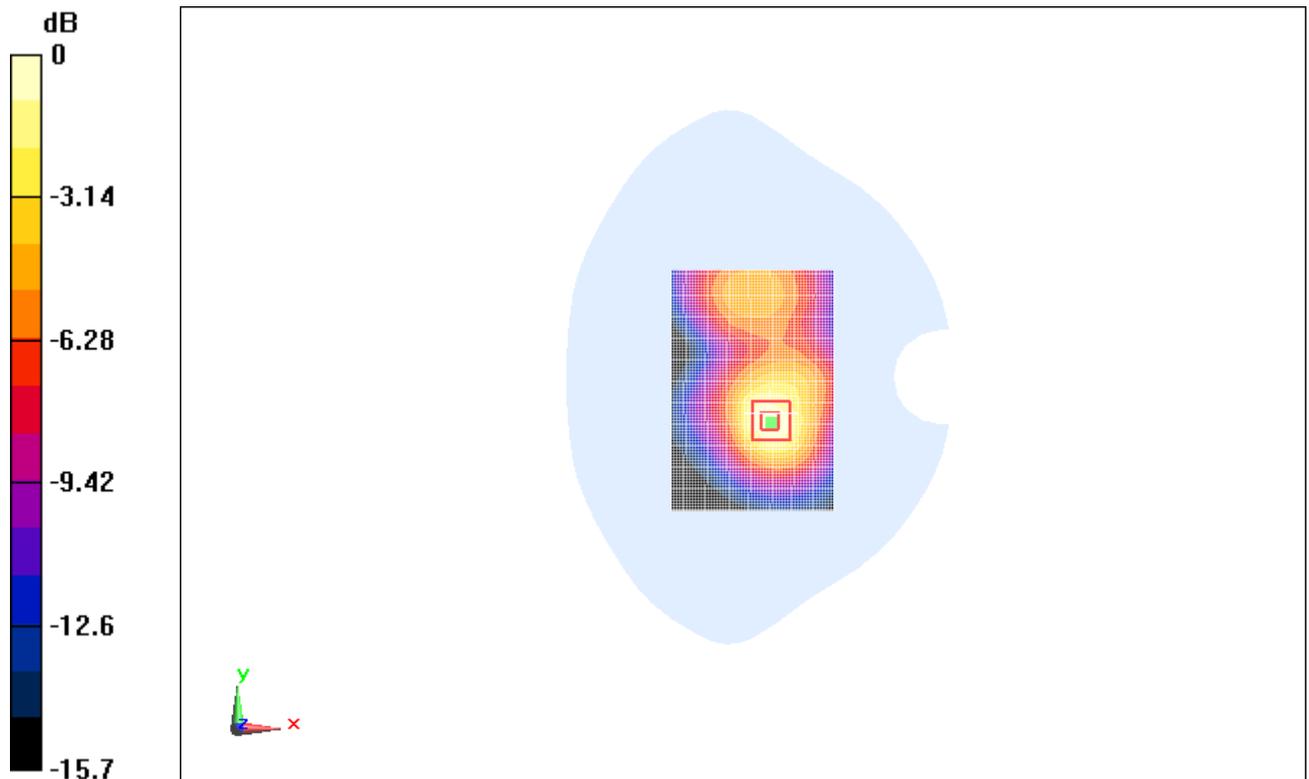
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.432 mW/g**

Maximum value of SAR (measured) = 0.774 mW/g



0 dB = 0.774mW/g

Fig. 101 1900 MHz CH512

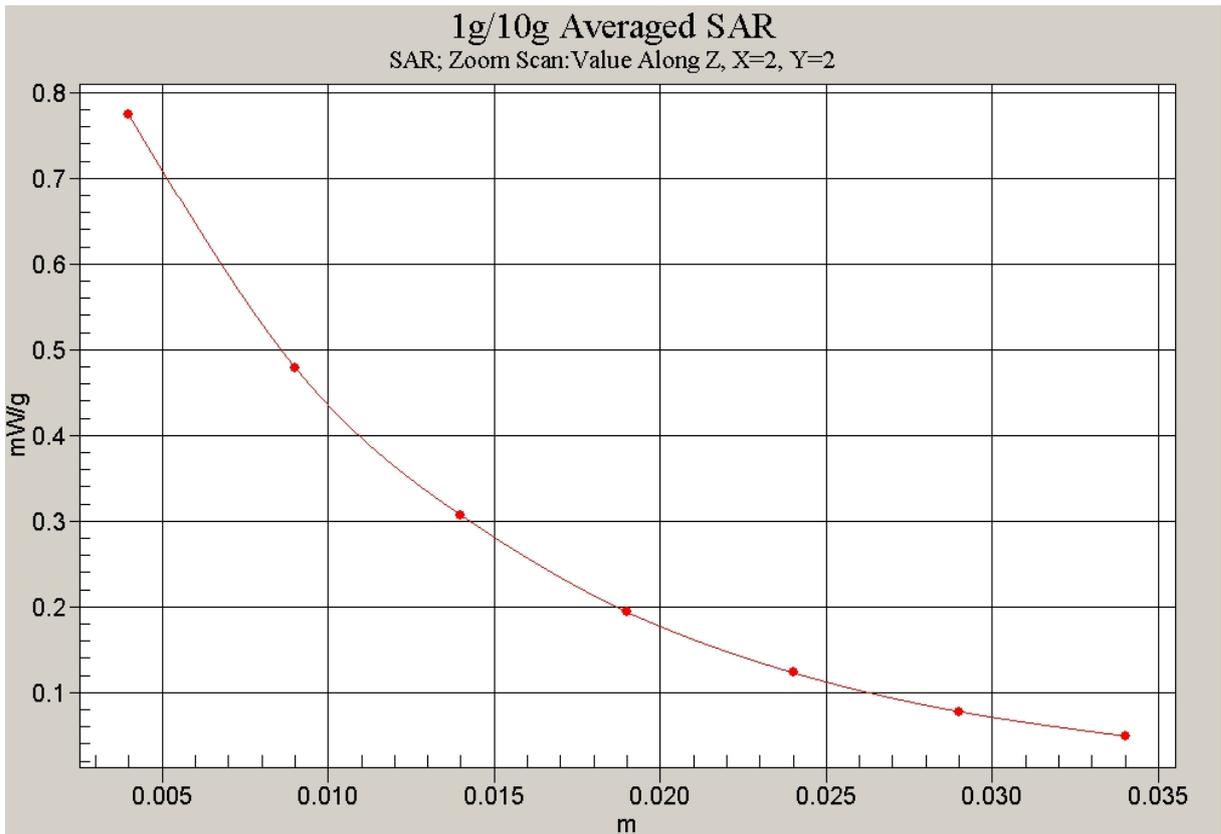


Fig. 102 Z-Scan at power reference point (1900 MHz CH512)

### 1900 Body Towards Phantom High with GPRS

Date/Time: 2009-2-25 13:36:28

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: GSM 1900MHz GPRS Frequency: 1909.8 MHz Duty Cycle: 1:4

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Phantom High/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.160 mW/g

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

Reference Value = 6.43 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.224 W/kg

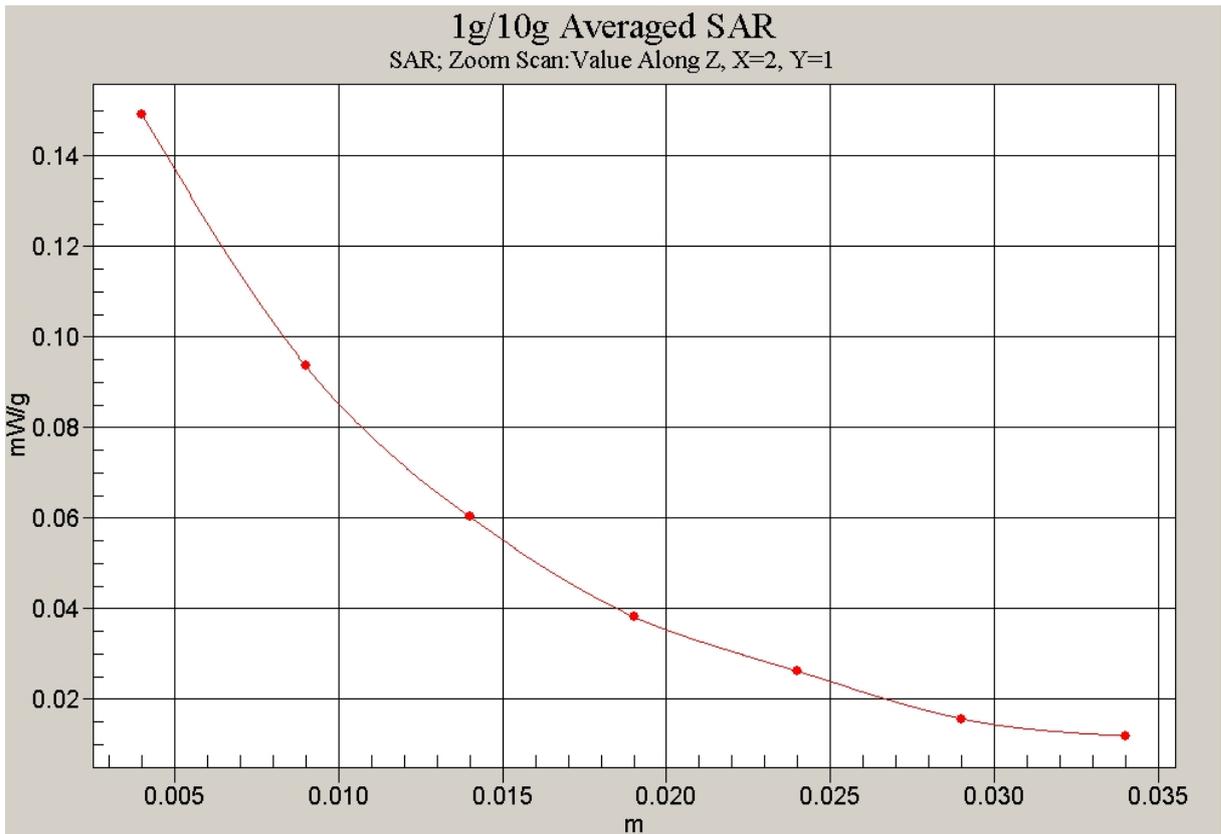
**SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.087 mW/g**

Maximum value of SAR (measured) = 0.149 mW/g



0 dB = 0.149mW/g

Fig. 103 1900 MHz CH810



**Fig. 104 Z-Scan at power reference point (1900 MHz CH810)**

### 1900 Body Towards Phantom Middle with GPRS

Date/Time: 2009-2-25 13:50:47

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.54$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: GSM 1900MHz GPRS Frequency: 1880 MHz Duty Cycle: 1:4

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Phantom Middle 2/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.145 mW/g

**Toward Phantom Middle 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.92 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 0.218 W/kg

**SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.143 mW/g



0 dB = 0.143mW/g

Fig.105 1900 MHz CH661

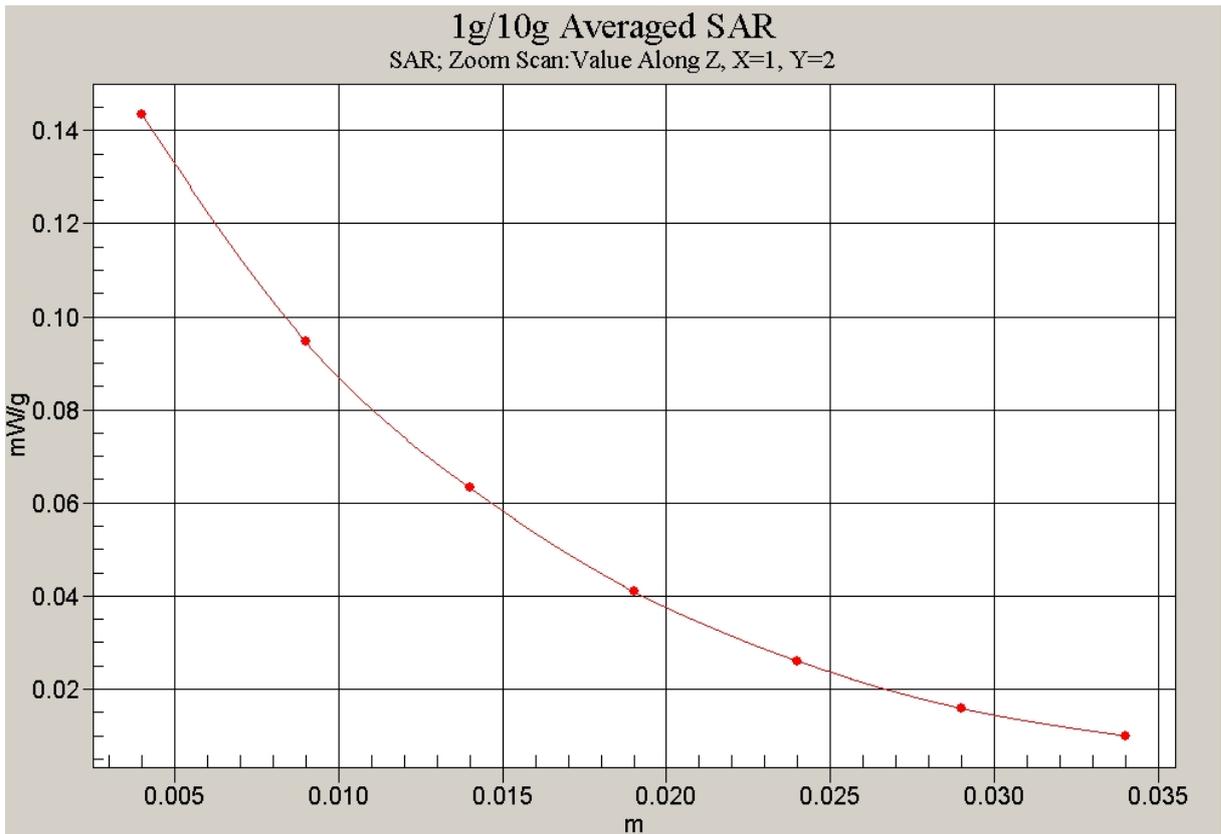


Fig. 106 Z-Scan at power reference point (1900 MHz CH661)

**1900 Body Towards Phantom Low with GPRS**

Date/Time: 2009-2-25 14:04:10

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Communication System: GSM 1900MHz GPRS Frequency: 1850.2 MHz Duty Cycle: 1:4

Probe: ES3DV3 - SN3149 ConvF(4.68, 4.68, 4.68)

**Toward Phantom Low/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.157 mW/g

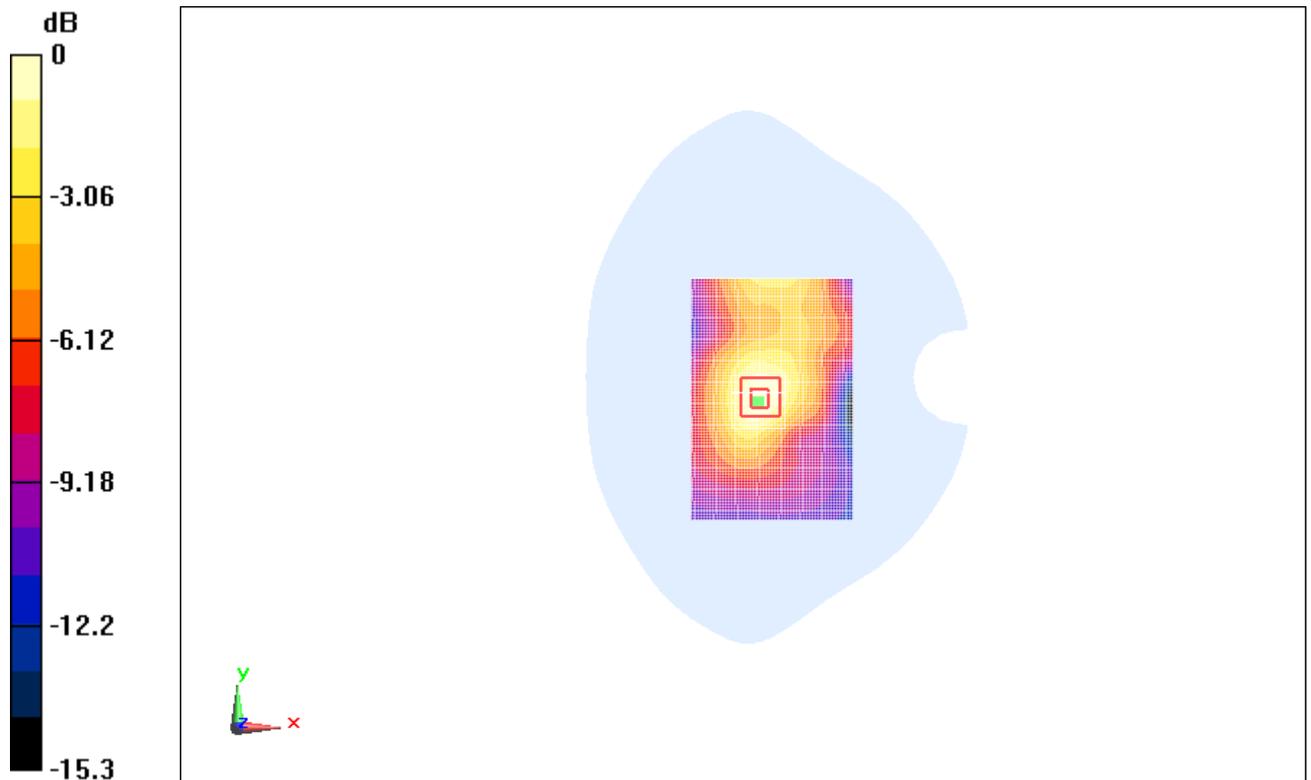
**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.42 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 0.237 W/kg

**SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.088 mW/g**

Maximum value of SAR (measured) = 0.151 mW/g



0 dB = 0.151mW/g

**Fig.107 1900 MHz CH512**