

Fig. 8 Z-Scan at power reference point (CDMA 835MHz CH777)

CDMA 1X Left Tilt Middle

Date/Time: 2007-3-28 18:51:00

Electronics: DAE3 Sn536

Medium: 835 HEAD

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 836.52 MHz Duty Cycle: 1:1

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

Tilt Middle/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.552 mW/g

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

Reference Value = 22.0 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.325 mW/g

Maximum value of SAR (measured) = 0.533 mW/g

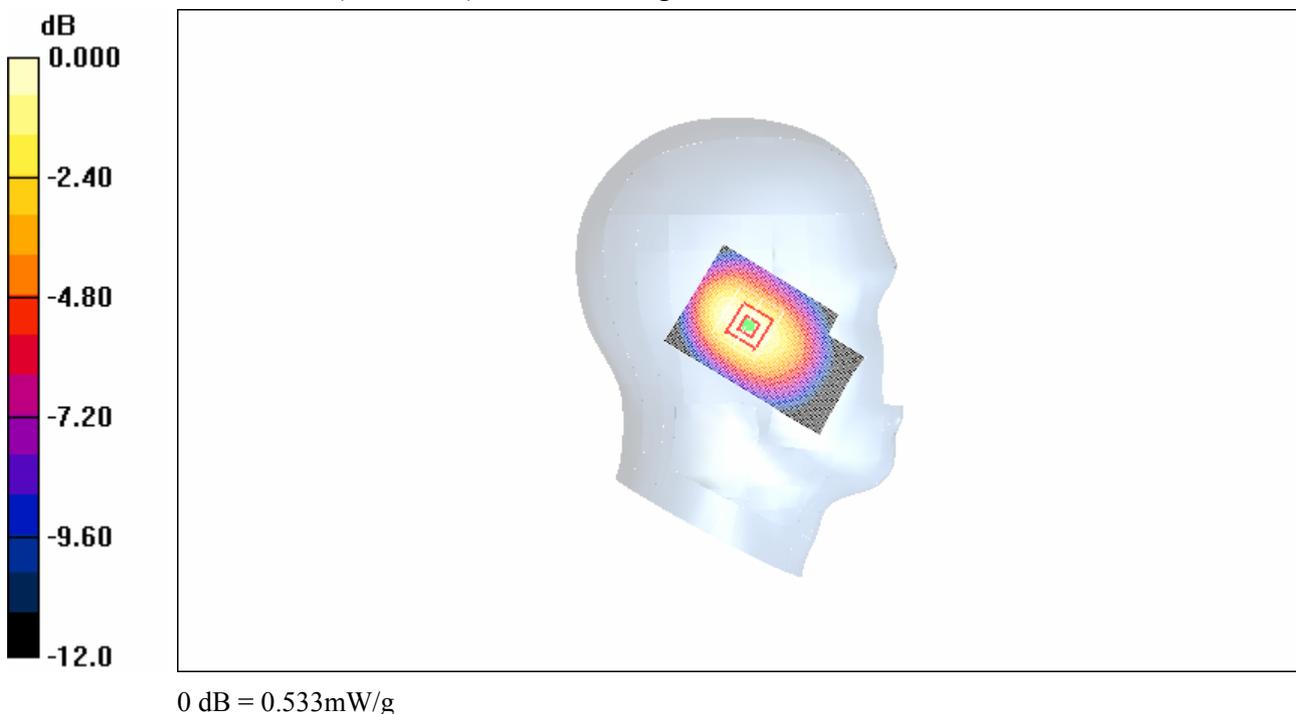


Fig. 9 Left Hand Tilt 15°CDMA 835MHz CH384

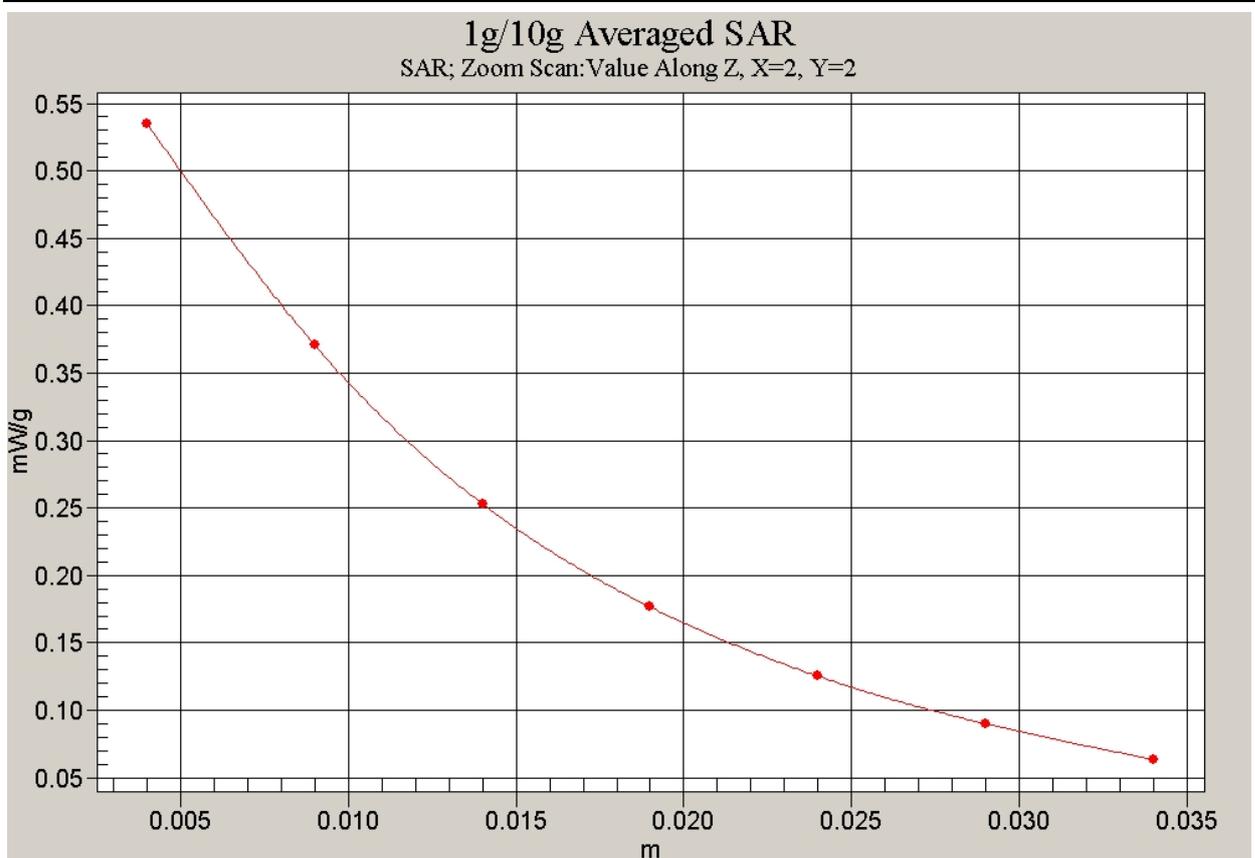


Fig. 10 Z-Scan at power reference point (CDMA 835MHz CH384)

CDMA 1X Left Tilt Low

Date/Time: 2007-3-28 18:21:11

Electronics: DAE3 Sn536

Medium: 835 HEAD

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.922 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$

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

Communication System: CDMA 1X-new Frequency: 824.7 MHz Duty Cycle: 1:1

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

Tilt Low/Area Scan (51x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.627 mW/g

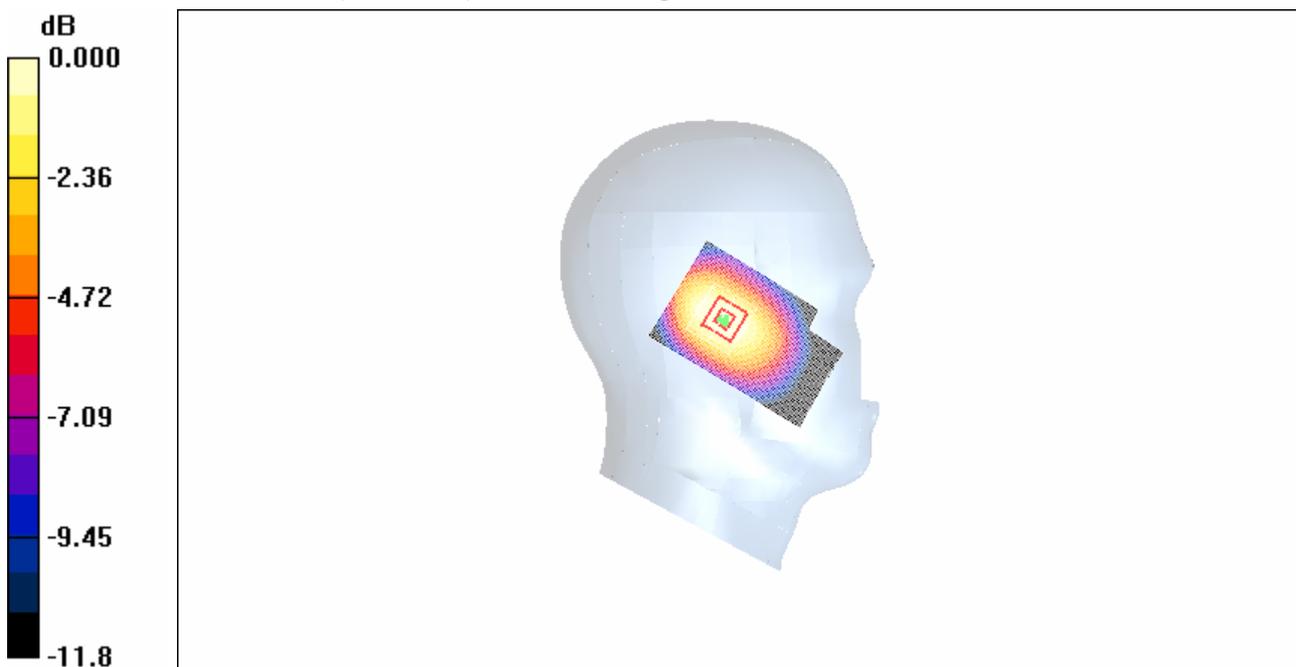
Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.1 V/m ; Power Drift = -0.159dB

Peak SAR (extrapolated) = 0.794 W/kg

SAR(1 g) = 0.571 mW/g ; SAR(10 g) = 0.383 mW/g

Maximum value of SAR (measured) = 0.610 mW/g



0 dB = 0.610mW/g

Fig. 11 Left Hand Tilt 15° CDMA 835MHz CH1013

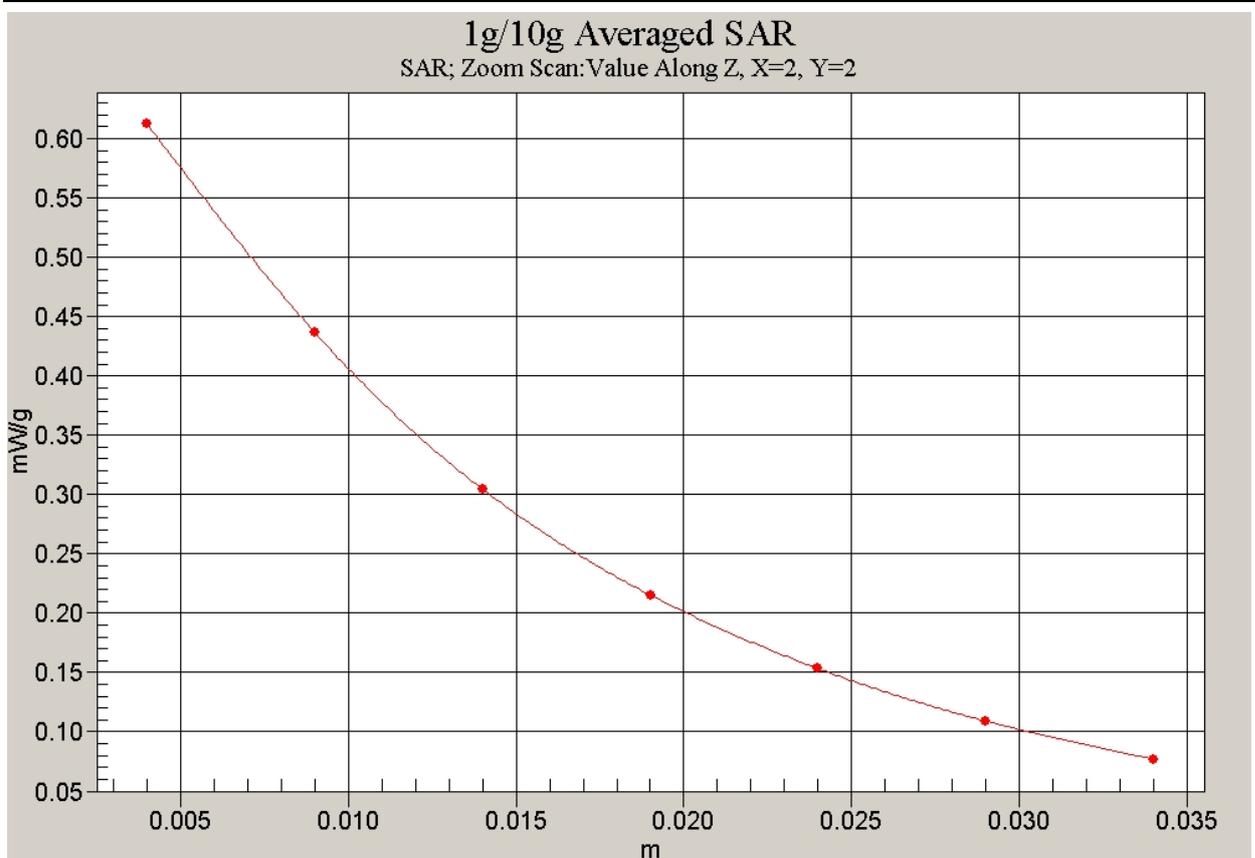


Fig. 12 Z-Scan at power reference point (CDMA 835MHz CH1013)

CDMA 1X Right Cheek High

Date/Time: 2007-3-28 17:42:33

Electronics: DAE3 Sn536

Medium: 835 HEAD

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.948$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 848.31 MHz Duty Cycle: 1:1

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

Cheek High/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.10 mW/g

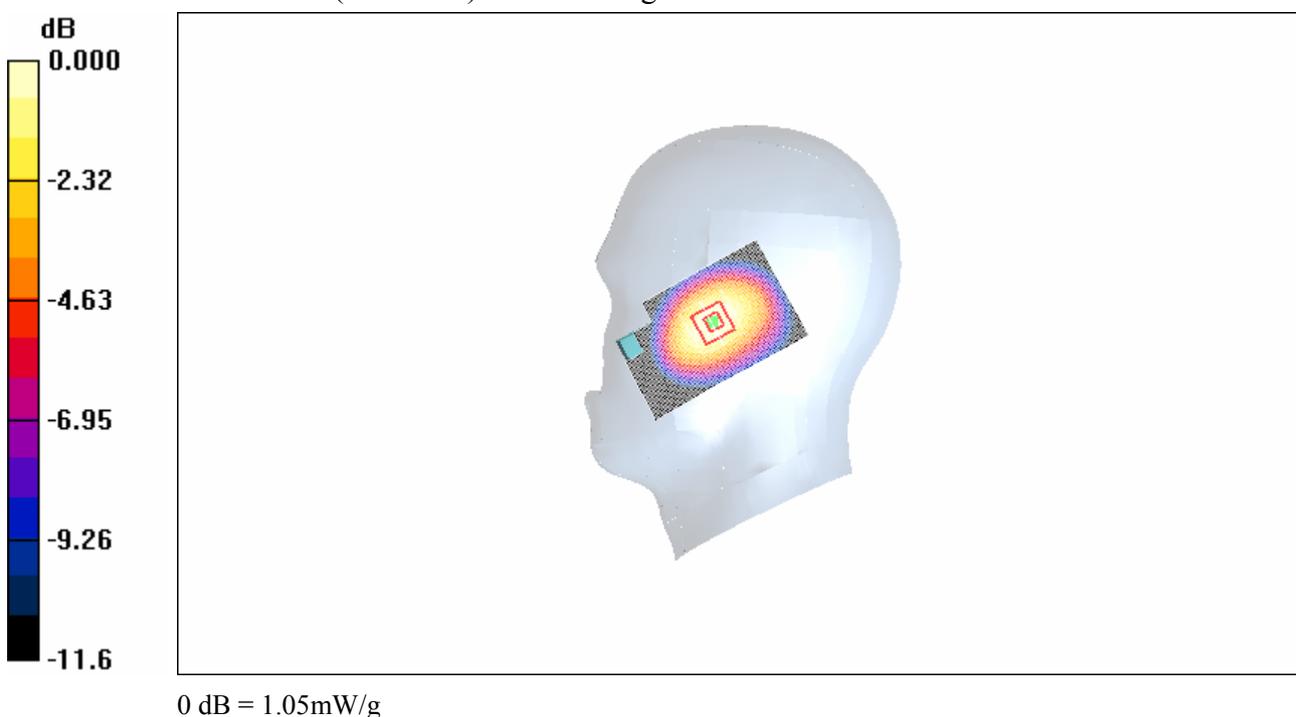
Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.3 V/m; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.976 mW/g; SAR(10 g) = 0.653 mW/g

Maximum value of SAR (measured) = 1.05 mW/g

**Fig. 13 Right Hand Touch Cheek CDMA 835MHz CH777**

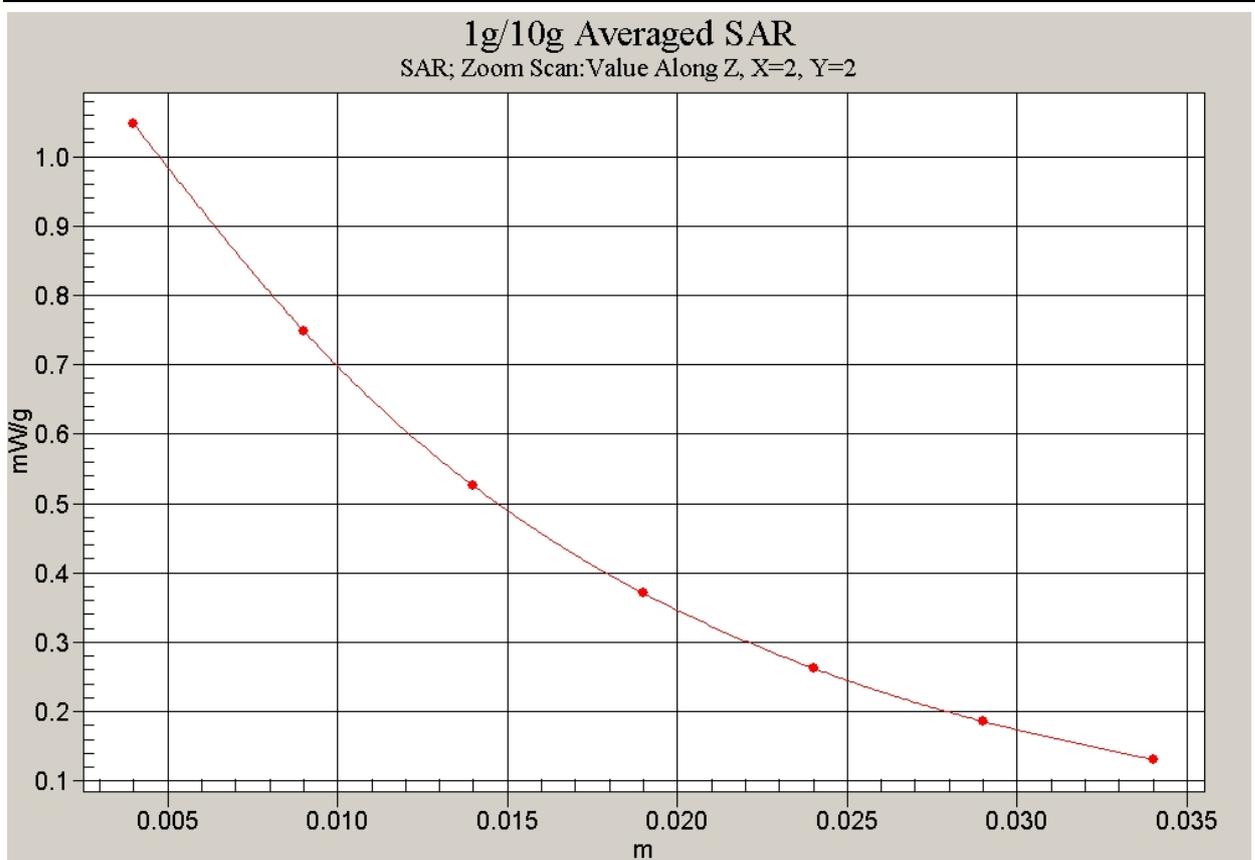


Fig. 14 Z-Scan at power reference point (CDMA 835MHz CH777)

CDMA 1X Right Cheek Middle

Date/Time: 2007-3-28 17:15:22

Electronics: DAE3 Sn536

Medium: 835 HEAD

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 836.52 MHz Duty Cycle: 1:1

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

Cheek Middle/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.989 mW/g

Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 24.1 V/m; Power Drift = -0.200 dB
 Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.866 mW/g; SAR(10 g) = 0.580 mW/g
 Maximum value of SAR (measured) = 0.926 mW/g

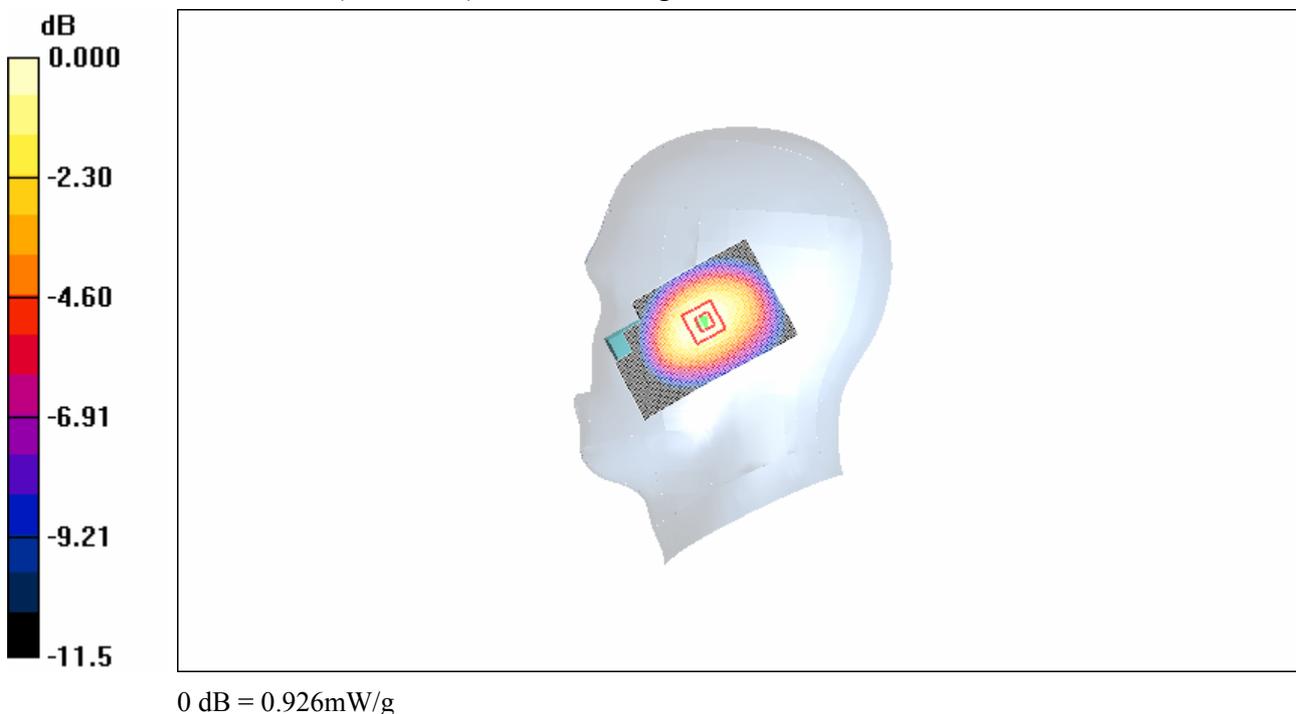


Fig.15 Right Hand Touch Cheek CDMA 835MHz CH384

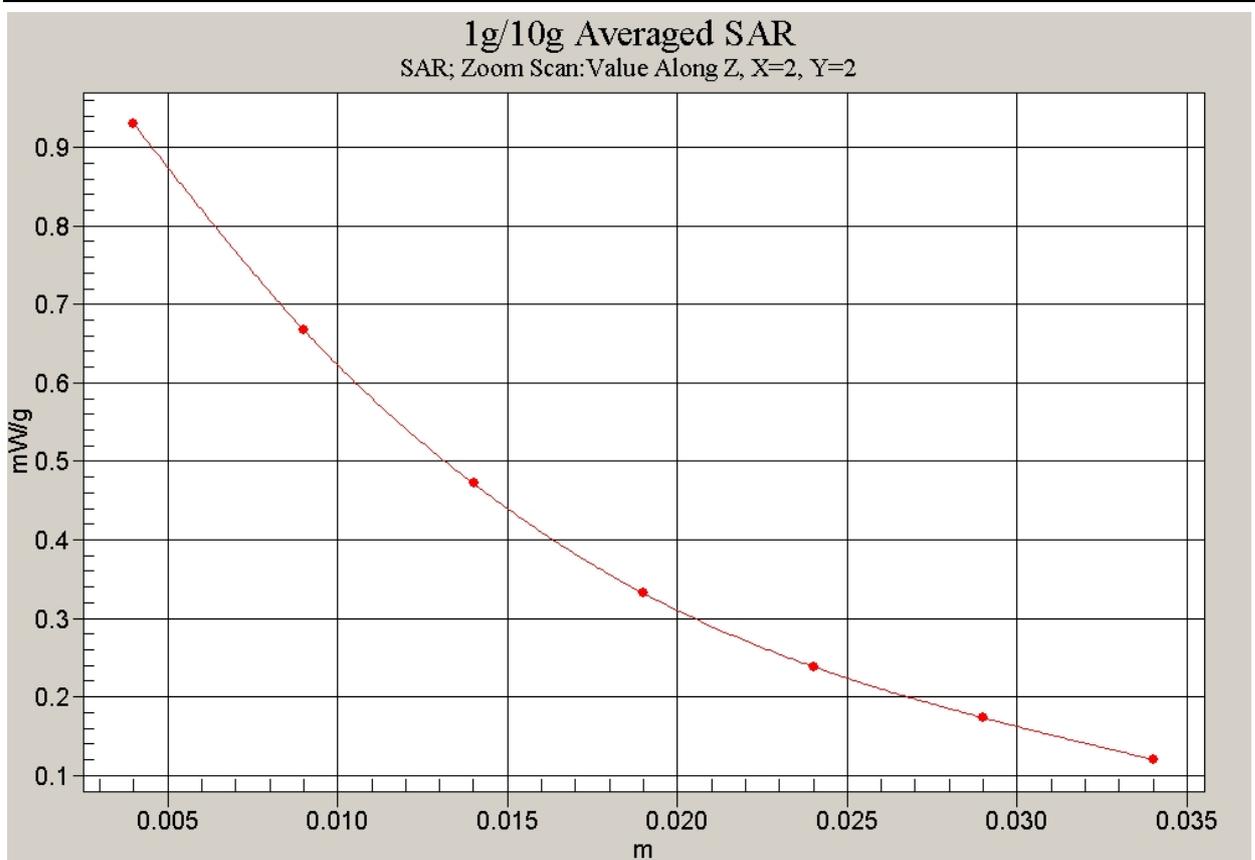


Fig. 16 Z-Scan at power reference point (CDMA 835MHz CH384)

CDMA 1X Right Cheek Low

Date/Time: 2007-3-28 16:46:28

Electronics: DAE3 Sn536

Medium: 835 HEAD

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.922 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$

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

Communication System: CDMA 1X-new Frequency: 824.7 MHz Duty Cycle: 1:1

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

Cheek Low/Area Scan (51x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (interpolated) = 1.28 mW/g

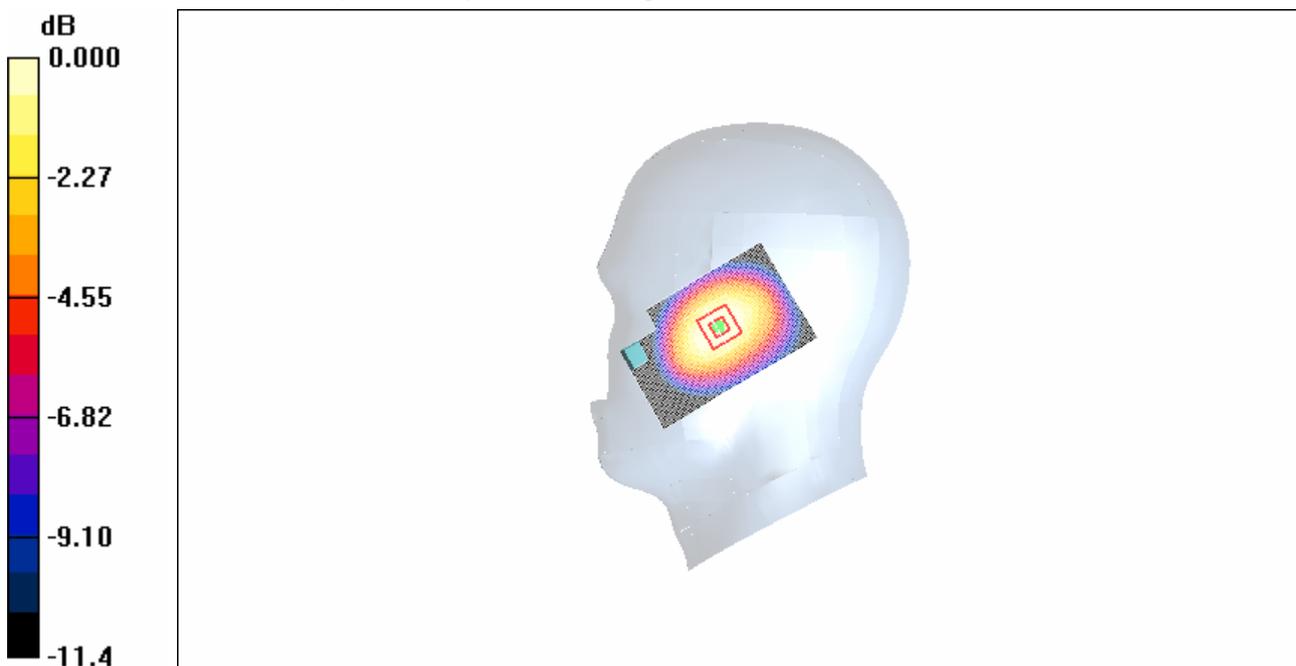
Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 27.1 V/m ; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 1.07 mW/g ; SAR(10 g) = 0.717 mW/g

Maximum value of SAR (measured) = 1.15 mW/g



0 dB = 1.15mW/g

Fig. 17 Right Hand Touch Cheek CDMA 835MHz CH1013

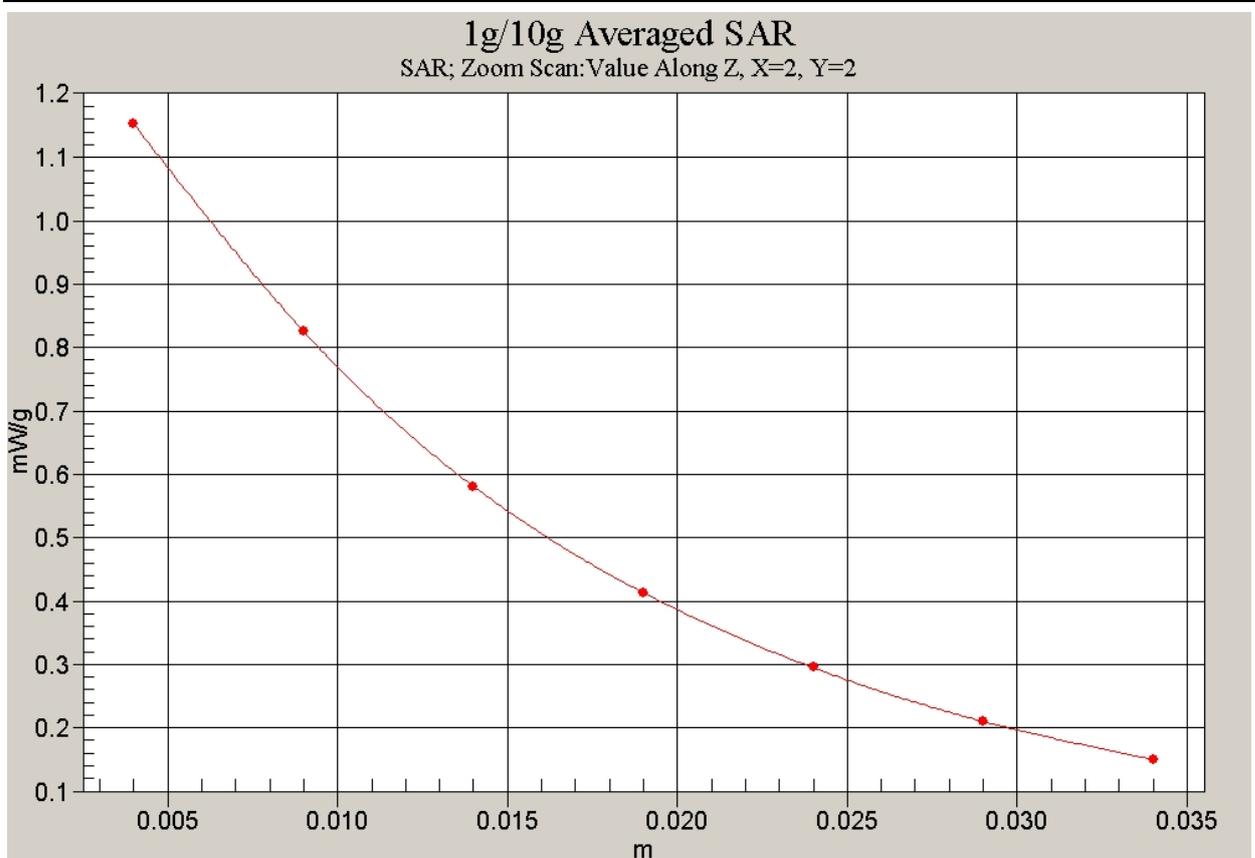


Fig. 18 Z-Scan at power reference point (CDMA 835MHz CH1013)

CDMA 1X Right Tilt High

Date/Time: 2007-3-28 17:54:29

Electronics: DAE3 Sn536

Medium: 835 HEAD

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.948$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 848.31 MHz Duty Cycle: 1:1

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

Tilt High/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.610 mW/g

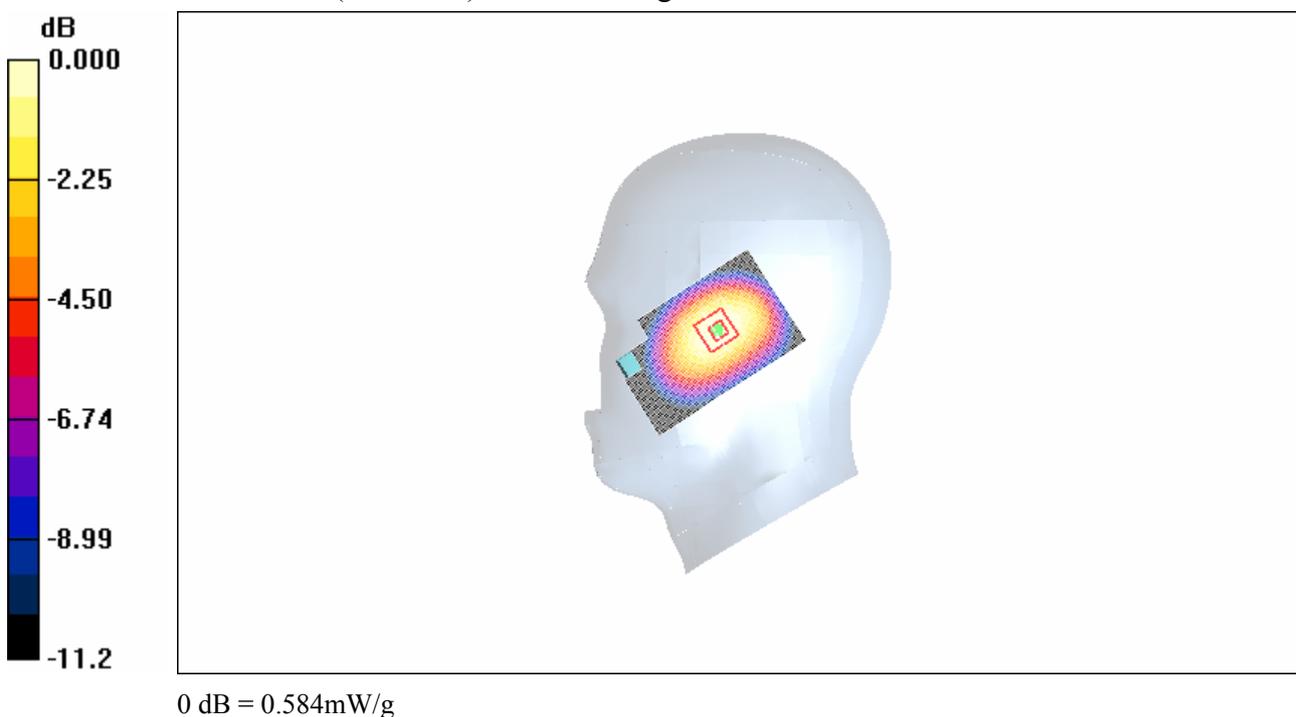
Tilt High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.0 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.750 W/kg

SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.366 mW/g

Maximum value of SAR (measured) = 0.584 mW/g

**Fig. 19 Right Hand Tilt 15°CDMA 835MHz CH777**

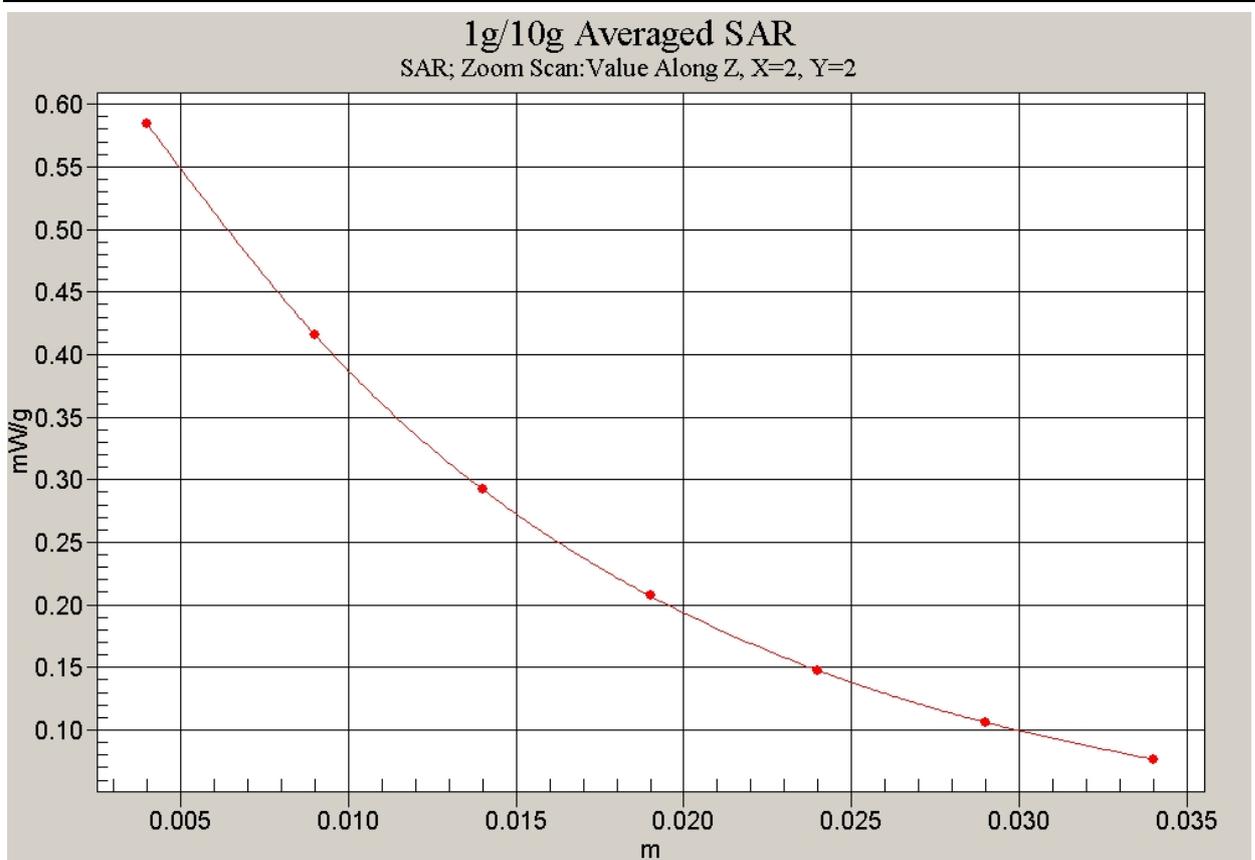


Fig. 20 Z-Scan at power reference point (CDMA 835MHz CH777)

CDMA 1X Right Tilt Middle

Date/Time: 2007-3-28 17:27:40

Electronics: DAE3 Sn536

Medium: 835 HEAD

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.936$ mho/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 836.52 MHz Duty Cycle: 1:1

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

Tilt Middle/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.517 mW/g

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

Reference Value = 21.1 V/m; Power Drift = -0.197 dB

Peak SAR (extrapolated) = 0.644 W/kg

SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.315 mW/g

Maximum value of SAR (measured) = 0.502 mW/g

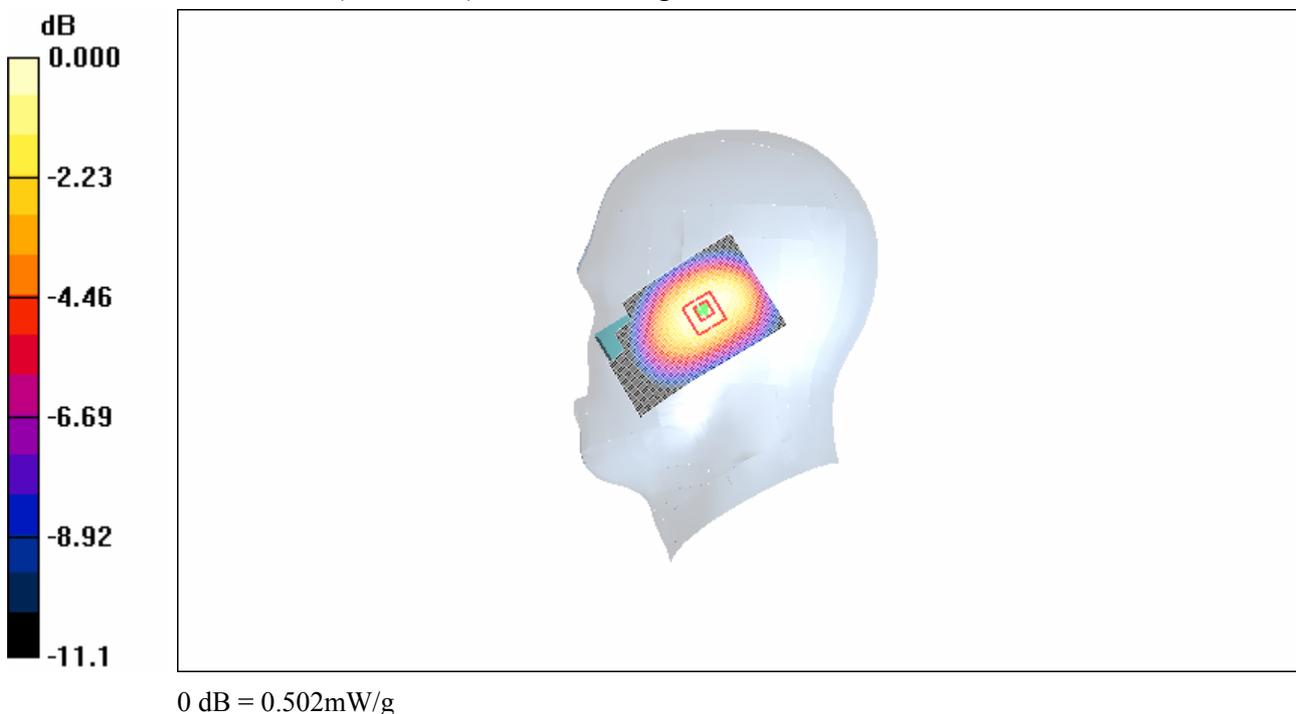


Fig. 21 Right Hand Tilt 15°CDMA 835MHz CH384

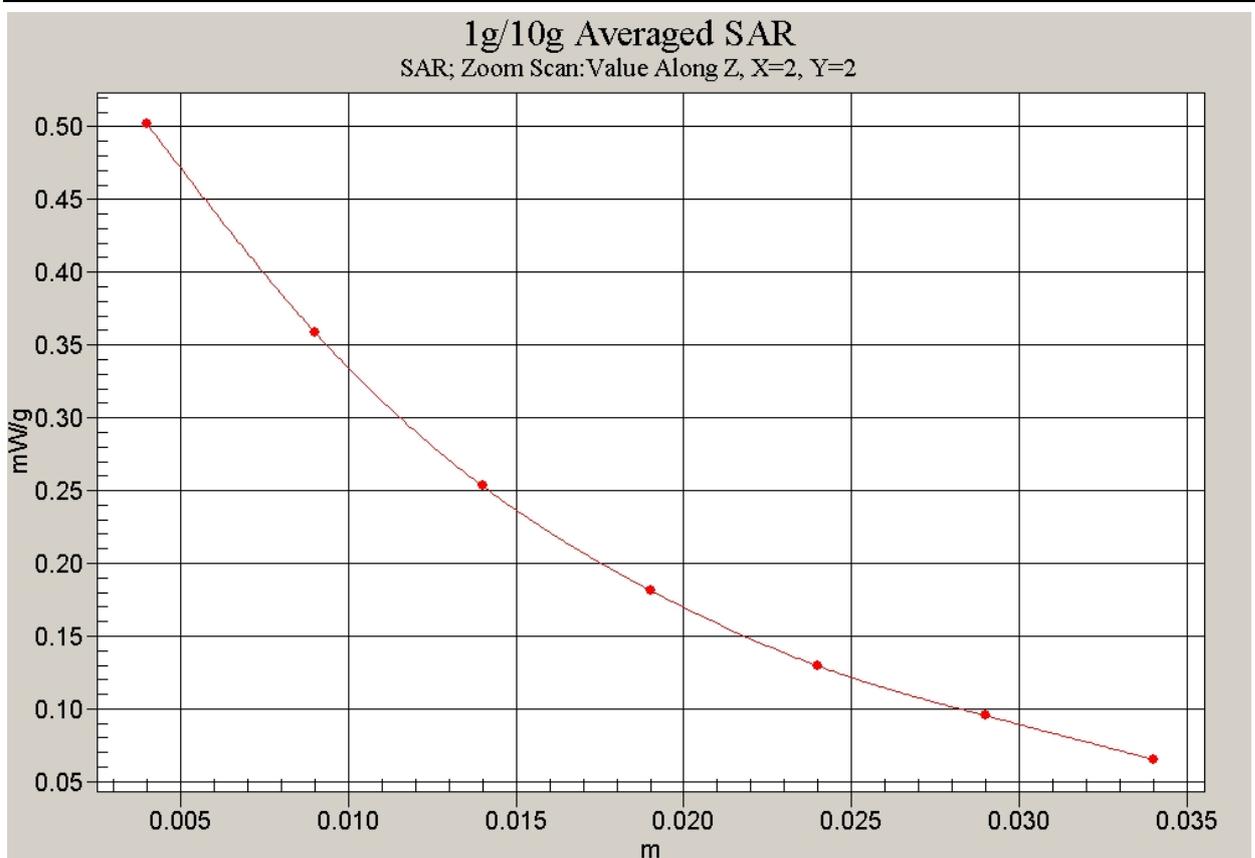


Fig. 22 Z-Scan at power reference point (CDMA 835MHz CH384)

CDMA 1X Right Tilt Low

Date/Time: 2007-3-28 16:59:32

Electronics: DAE3 Sn536

Medium: 835 HEAD

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.922 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$

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

Communication System: CDMA 1X-new Frequency: 824.7 MHz Duty Cycle: 1:1

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

Tilt Low/Area Scan (51x81x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.666 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 = 23.7 V/m ; Power Drift = -0.092 dB

Peak SAR (extrapolated) = 0.830 W/kg

SAR(1 g) = 0.603 mW/g ; SAR(10 g) = 0.406 mW/g

Maximum value of SAR (measured) = 0.651 mW/g

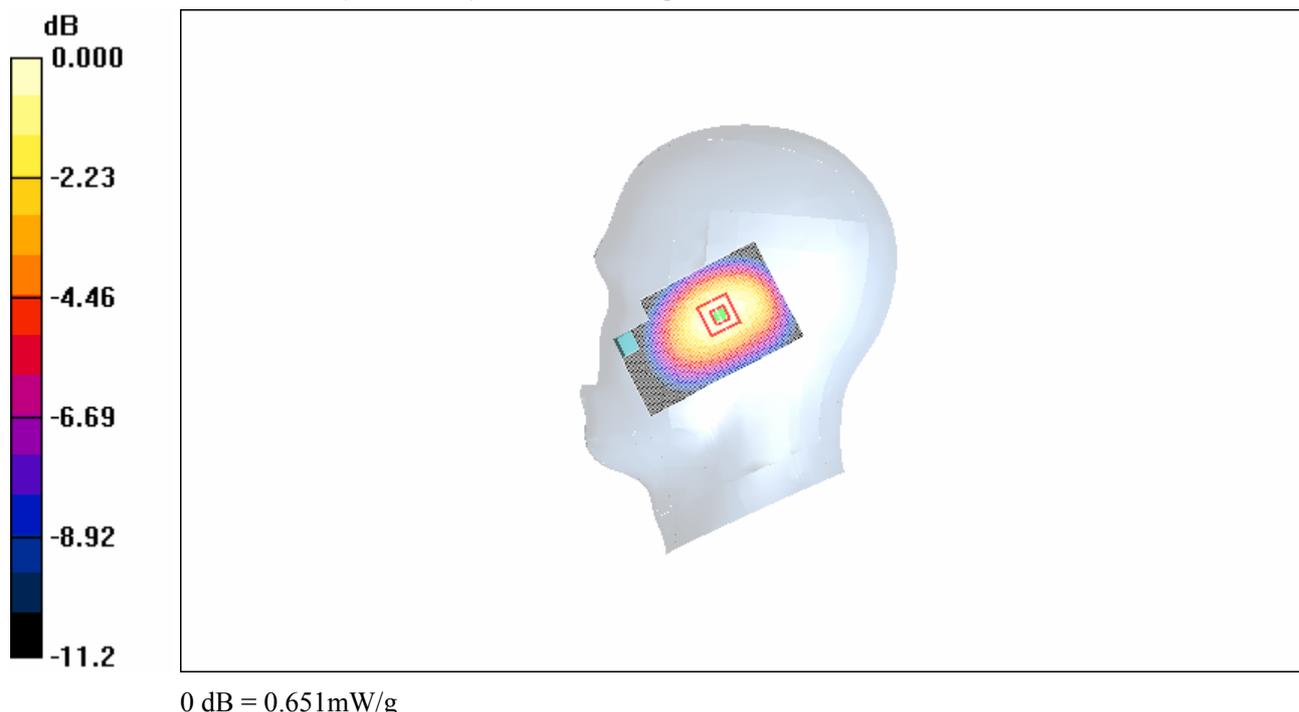


Fig. 23 Right Hand Tilt 15°CDMA 835MHz CH1013

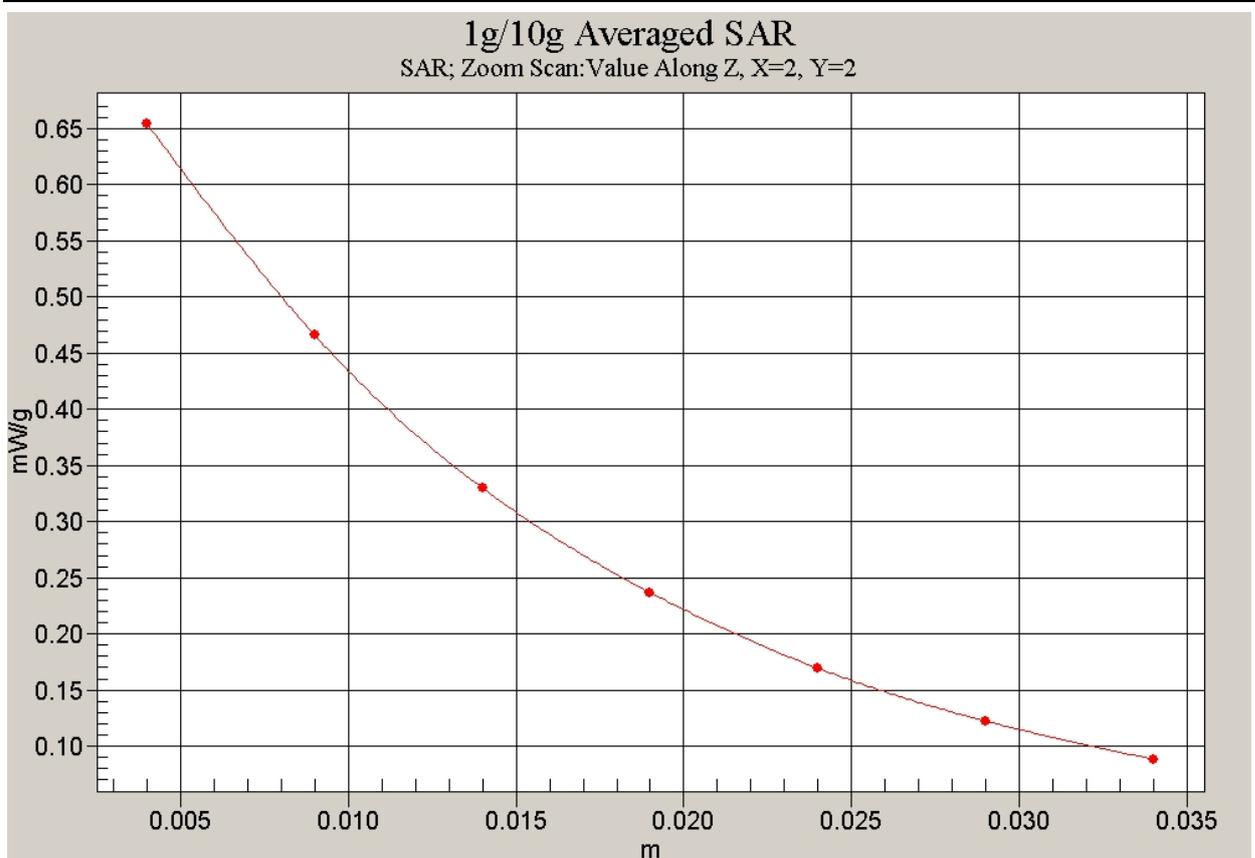


Fig. 24 Z-Scan at power reference point (CDMA 835MHz CH1013)

CDMA 1X Body Toward Phantom High

Date/Time: 2007-3-28 8:19:06

Electronics: DAE3 Sn536

Medium: 835 Body

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 55.9$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 848.31 MHz Duty Cycle: 1:1

Probe: ET3DV6 - SN1736 ConvF(6.45, 6.45, 6.45)

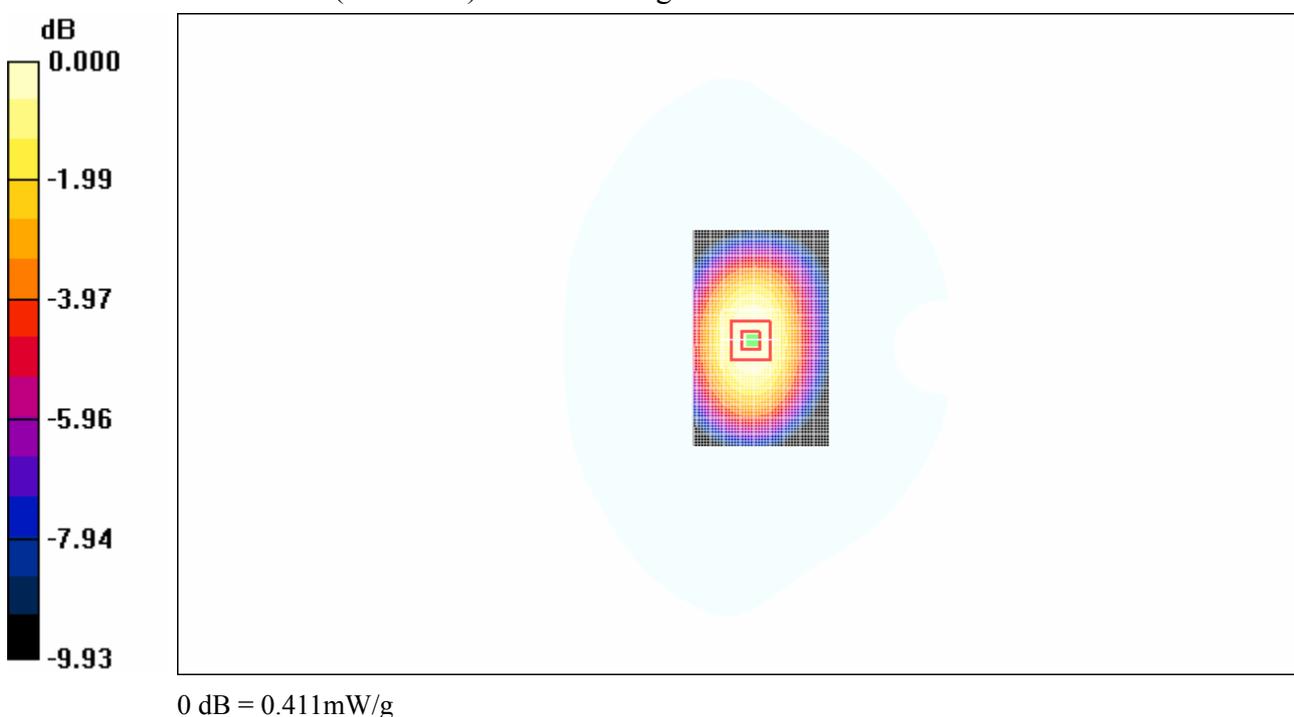
Toward Phantom High/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.434 mW/g**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.1 V/m; Power Drift = -0.172 dB

Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.271 mW/g

Maximum value of SAR (measured) = 0.411 mW/g

**Fig. 25 CDMA 835MHz, Body, Towards Phantom, CH777**

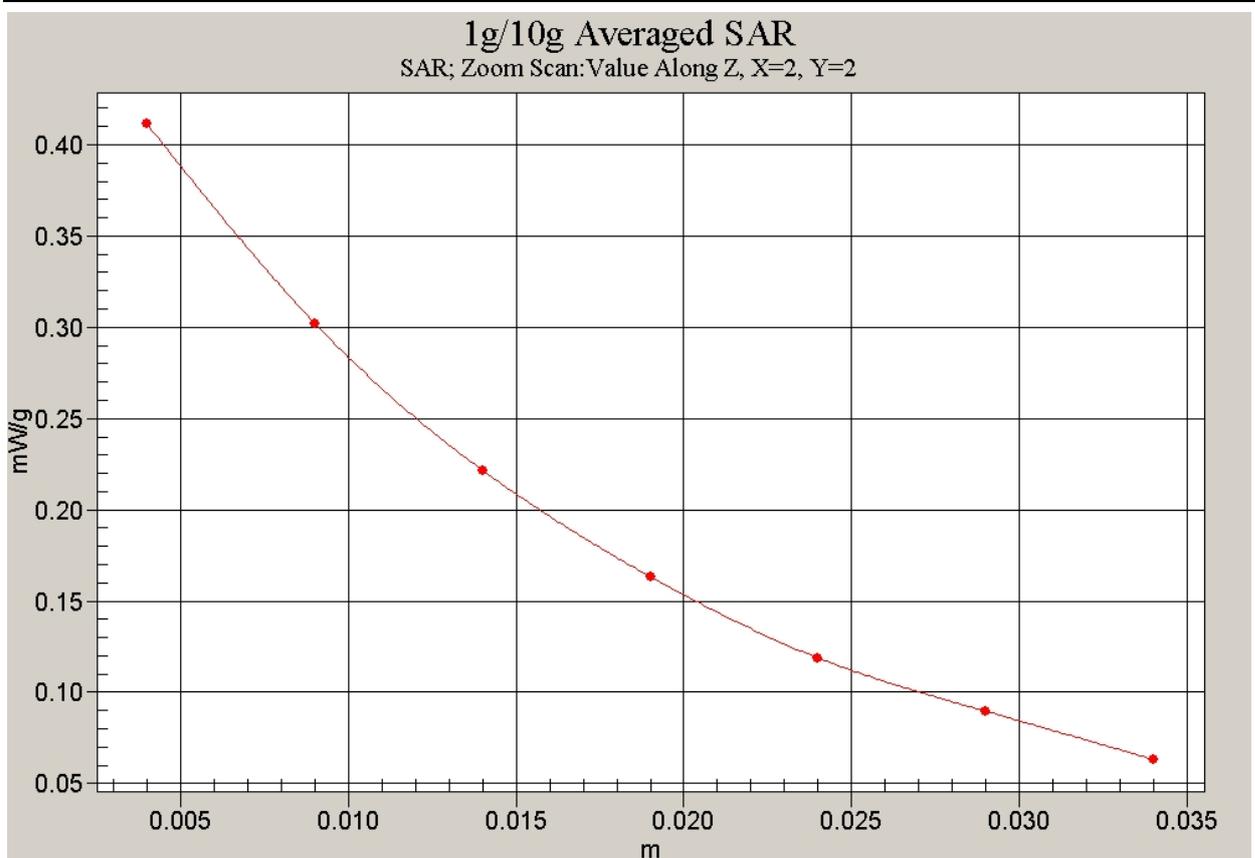


Fig. 26 Z-Scan at power reference point (CDMA 835MHz, Body, Towards Phantom, CH777)

CDMA 1X Body Toward Phantom Middle

Date/Time: 2007-3-28 8:52:40

Electronics: DAE3 Sn536

Medium: 835 Body

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 56$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 836.52 MHz Duty Cycle: 1:1

Probe: ET3DV6 - SN1736 ConvF(6.45, 6.45, 6.45)

Toward Phantom Middle/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.438 mW/g

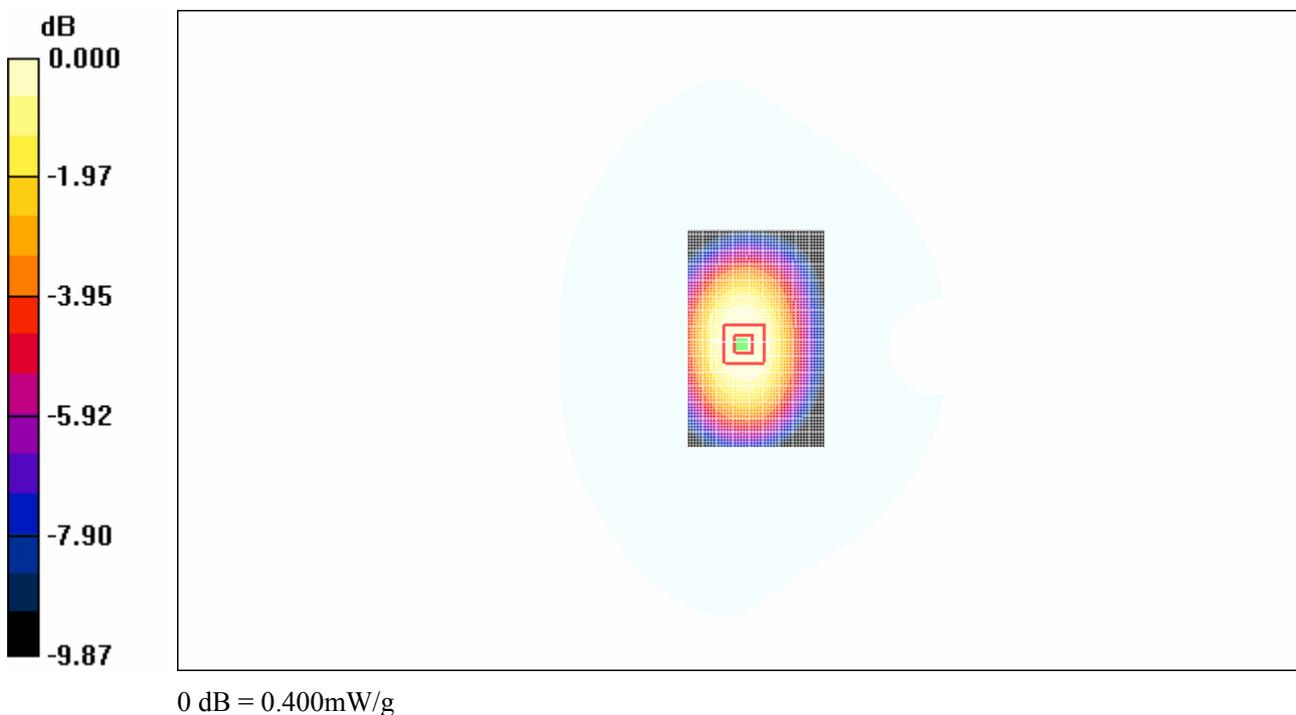
Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.1 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.496 W/kg

SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.267 mW/g

Maximum value of SAR (measured) = 0.400 mW/g

**Fig. 27 CDMA 835MHz, Body, Towards Phantom, CH384**

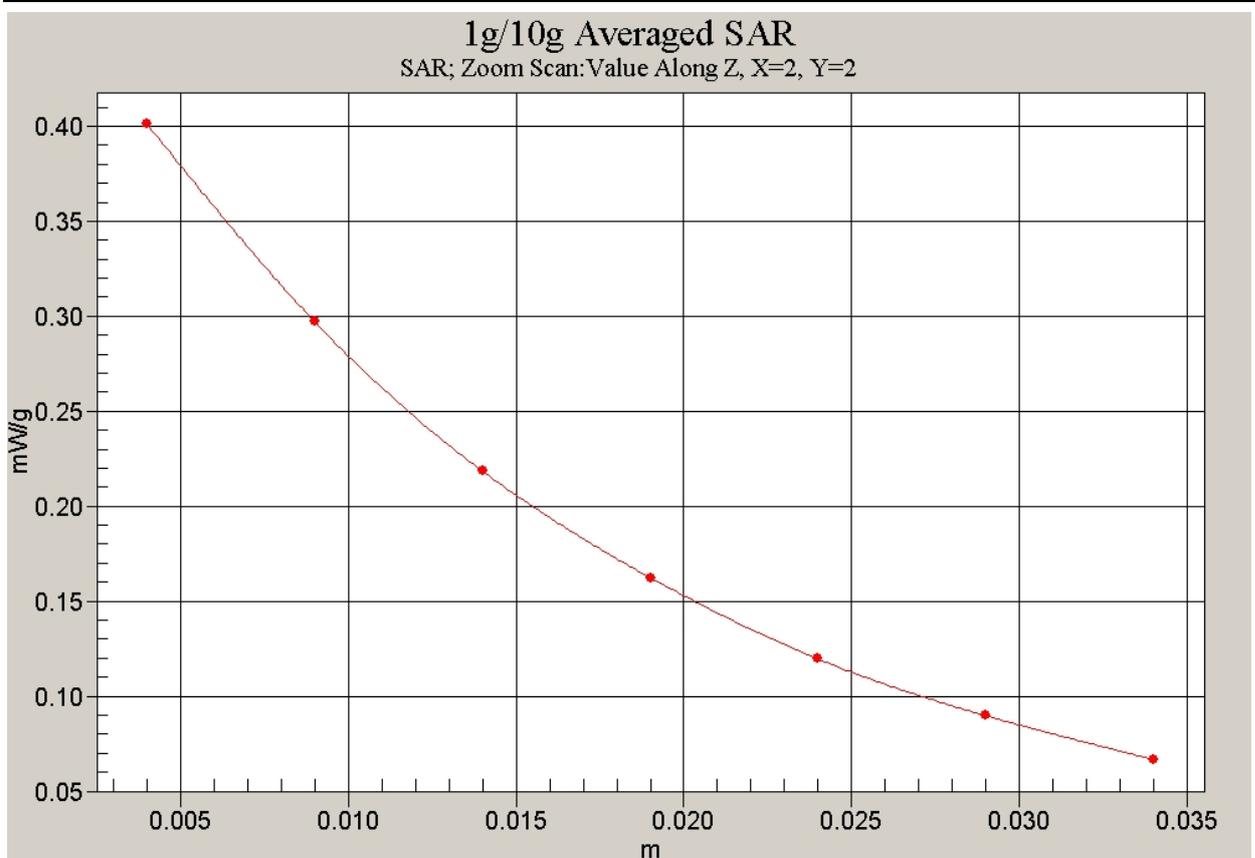


Fig. 28 Z-Scan at power reference point (CDMA 835MHz, Body, Towards Phantom, CH384)

CDMA 1X Body Toward Phantom Low

Date/Time: 2007-3-28 9:52:44

Electronics: DAE3 Sn536

Medium: 835 Body

Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 56.1$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 824.7 MHz Duty Cycle: 1:1

Probe: ET3DV6 - SN1736 ConvF(6.45, 6.45, 6.45)

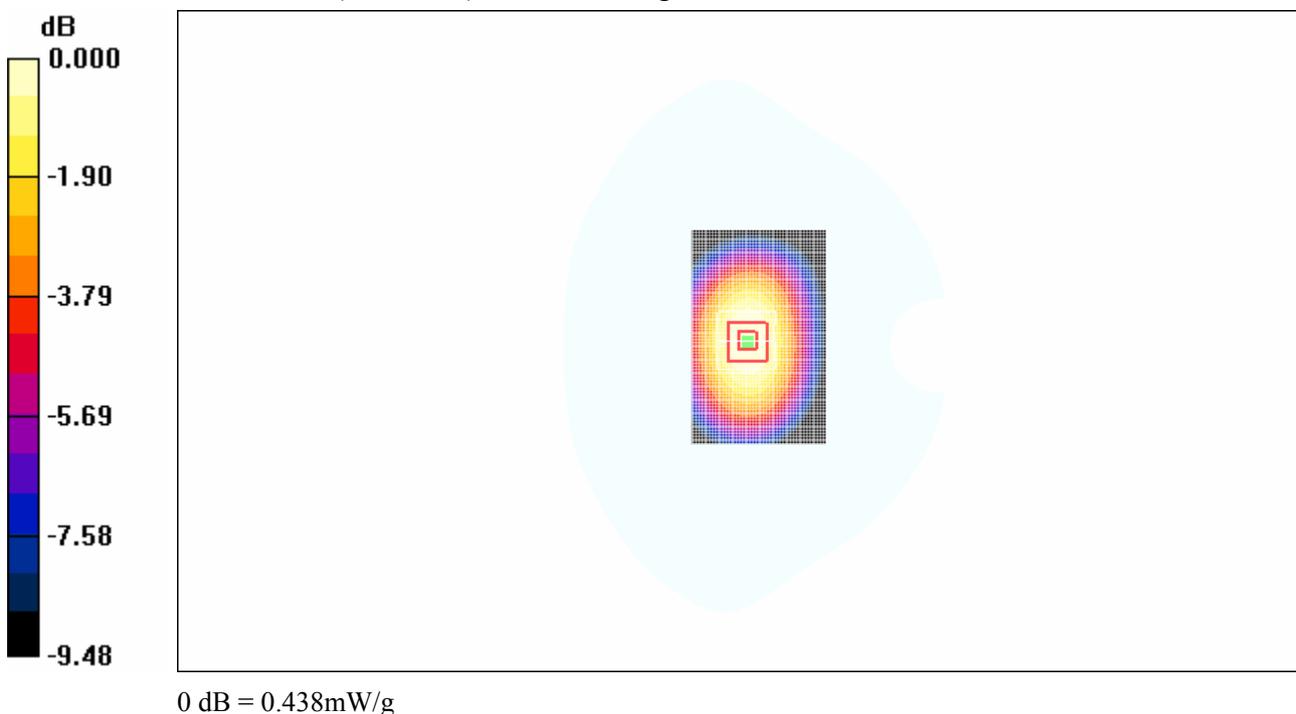
Toward Phantom Low/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.455 mW/g**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = -0.197 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.438 mW/g

**Fig. 29 CDMA 835MHz, Body, Towards Phantom, CH1013**

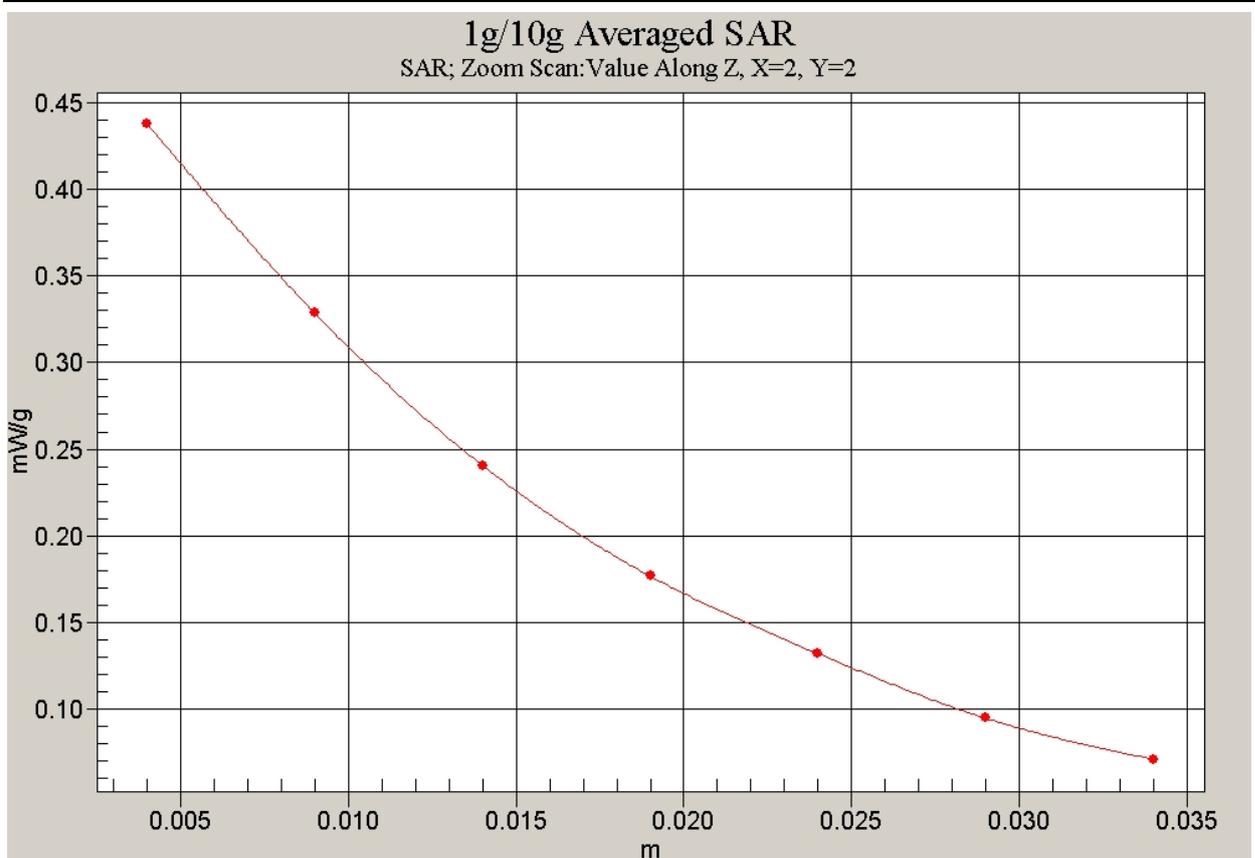


Fig. 30 Z-Scan at power reference point (CDMA 835MHz, Body, Towards Phantom, CH1013)

CDMA 1X Body Toward Ground High

Date/Time: 2007-3-28 10:31:33

Electronics: DAE3 Sn536

Medium: 835 Body

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 55.9$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 848.31 MHz Duty Cycle: 1:1

Probe: ET3DV6 - SN1736 ConvF(6.45, 6.45, 6.45)

Toward Ground High/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.904 mW/g

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

Reference Value = 31.1 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.825 mW/g; SAR(10 g) = 0.574 mW/g

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

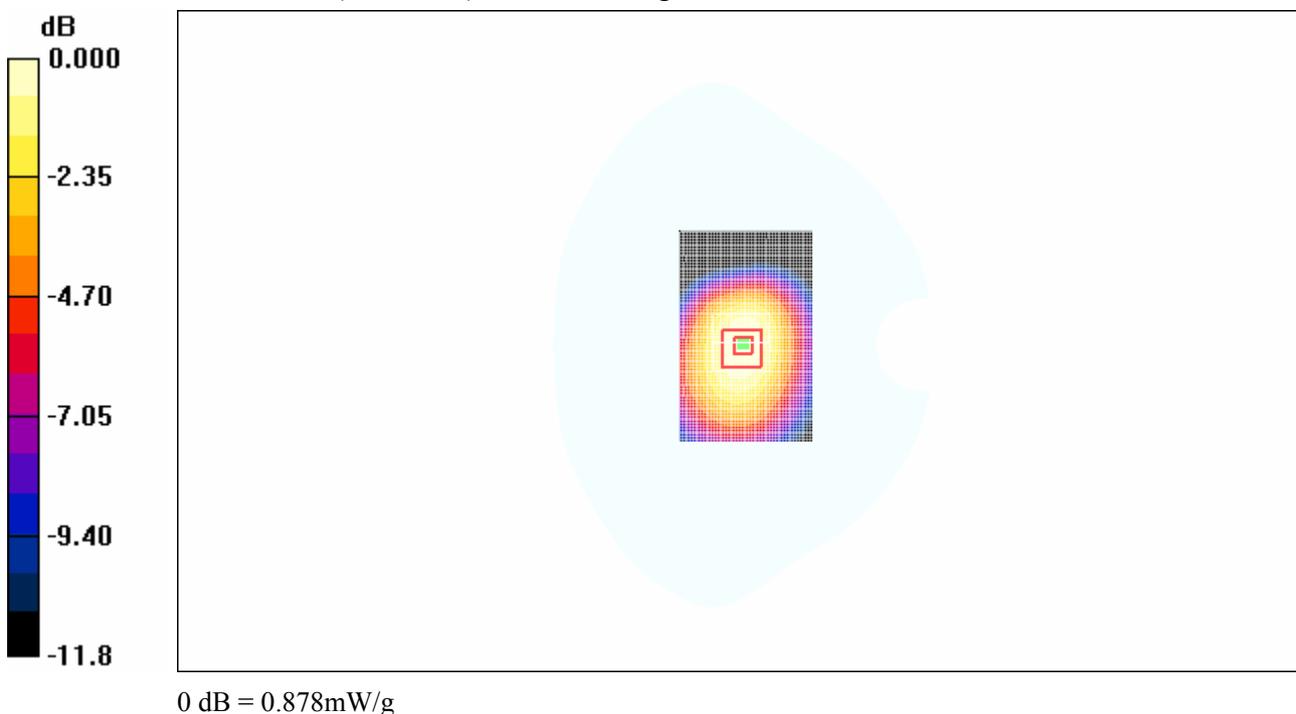


Fig. 31 CDMA 835MHz, Body, Towards Ground, CH777

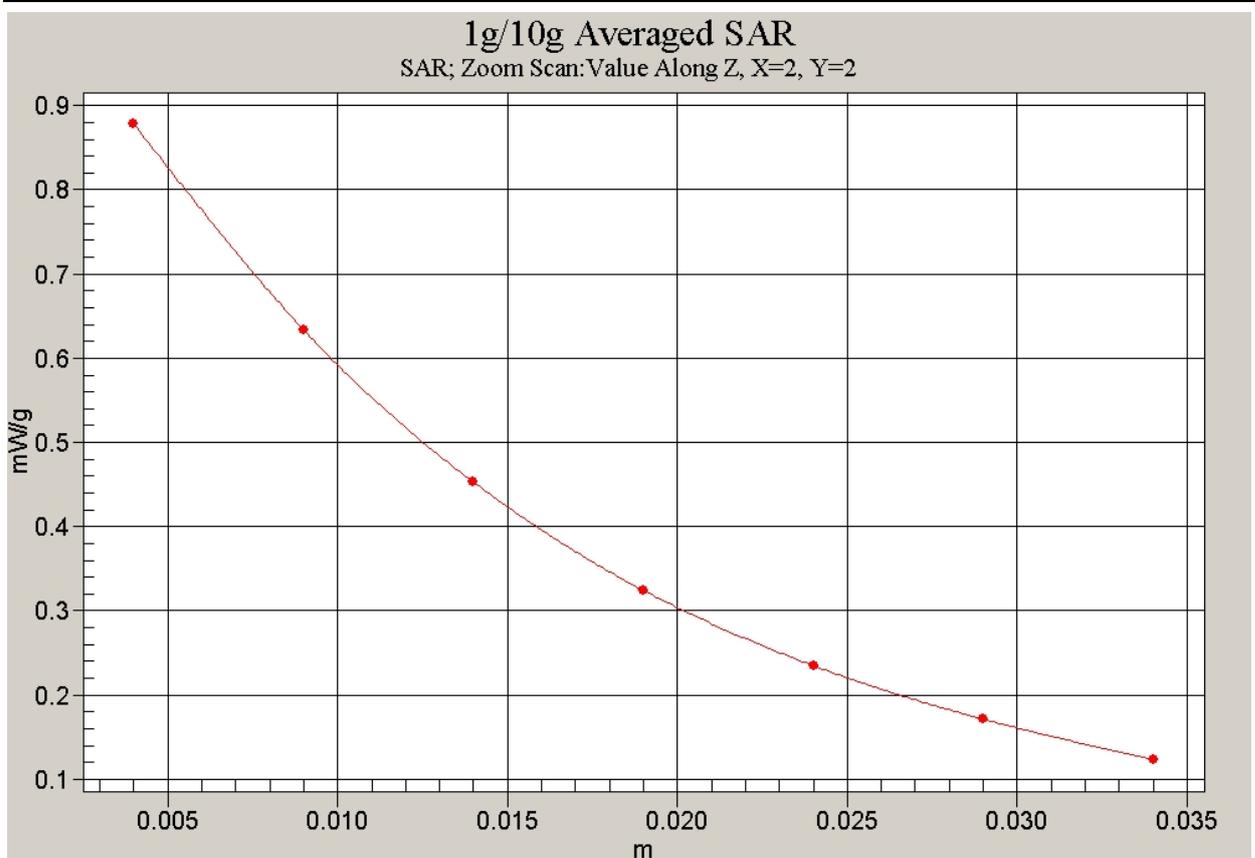


Fig. 32 Z-Scan at power reference point (CDMA 835MHz, Body, Towards Ground, CH777)

CDMA 1X Body Toward Ground Middle

Date/Time: 2007-3-28 9:05:36

Electronics: DAE3 Sn536

Medium: 835 Body

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 56$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 836.52 MHz Duty Cycle: 1:1

Probe: ET3DV6 - SN1736 ConvF(6.45, 6.45, 6.45)

Toward Ground Middle/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm

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

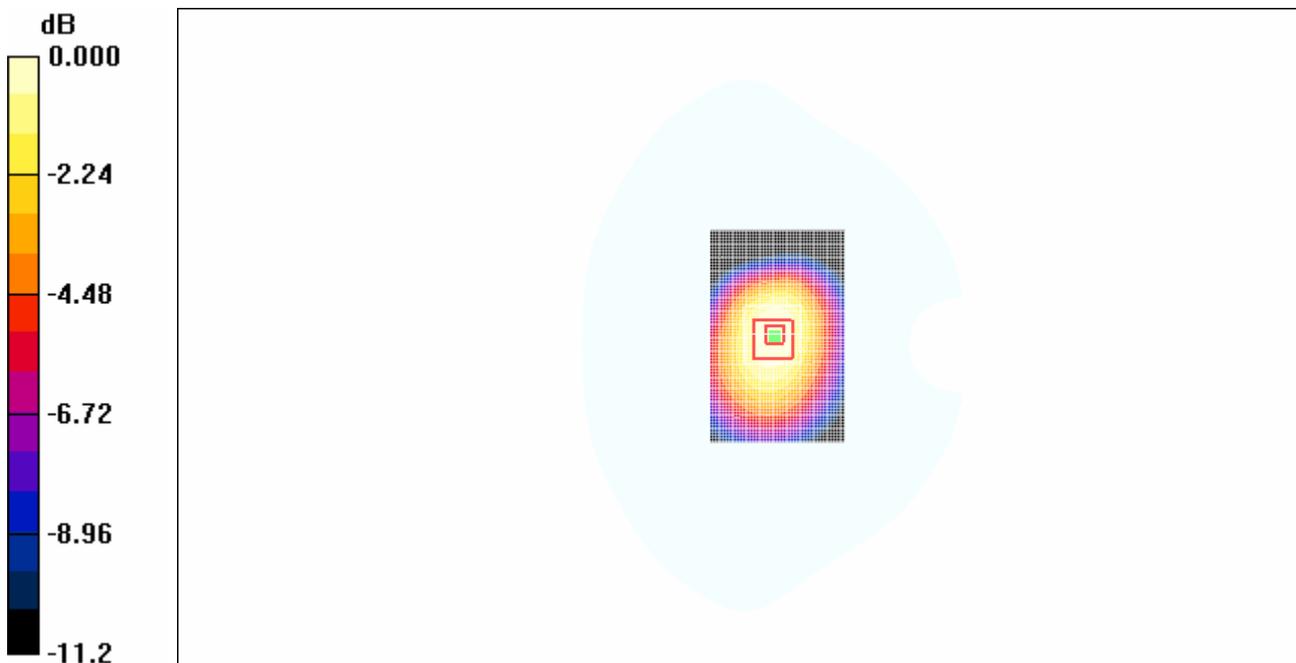
Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.0 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.949 mW/g; SAR(10 g) = 0.663 mW/g

Maximum value of SAR (measured) = 1.01 mW/g



0 dB = 1.01mW/g

Fig. 33 CDMA 835MHz, Body, Towards Ground, CH384

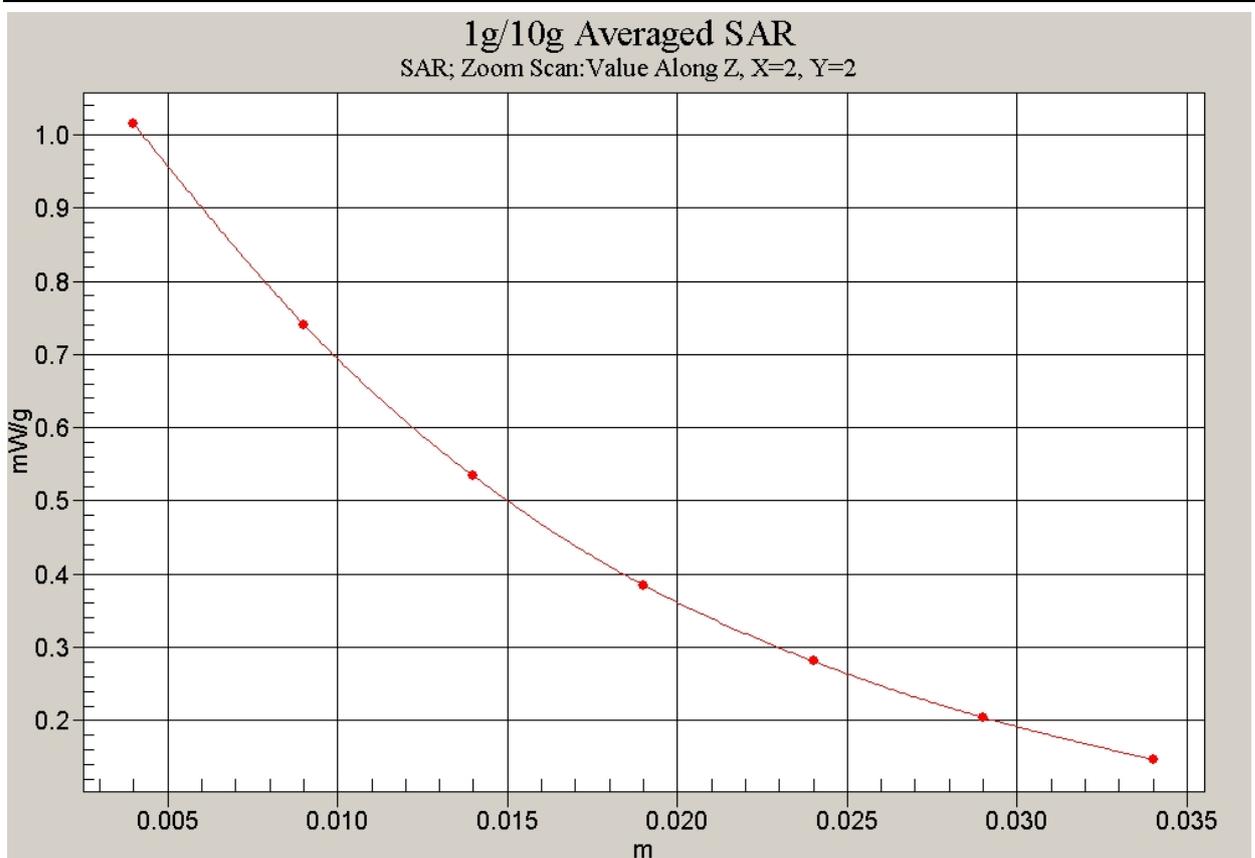


Fig. 34 Z-Scan at power reference point (CDMA 835MHz, Body, Towards Ground, CH384)

CDMA 1X Body Toward Ground Low

Date/Time: 2007-3-28 10:04:42

Electronics: DAE3 Sn536

Medium: 835 Body

Medium parameters used (interpolated): $f = 824.7$ MHz; $\sigma = 0.964$ mho/m; $\epsilon_r = 56.1$; $\rho = 1000$ kg/m³

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

Communication System: CDMA 1X-new Frequency: 824.7 MHz Duty Cycle: 1:1

Probe: ET3DV6 - SN1736 ConvF(6.45, 6.45, 6.45)

Toward Ground Low/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.939 mW/g

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

Reference Value = 32.0 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.866 mW/g; SAR(10 g) = 0.605 mW/g

Maximum value of SAR (measured) = 0.920 mW/g

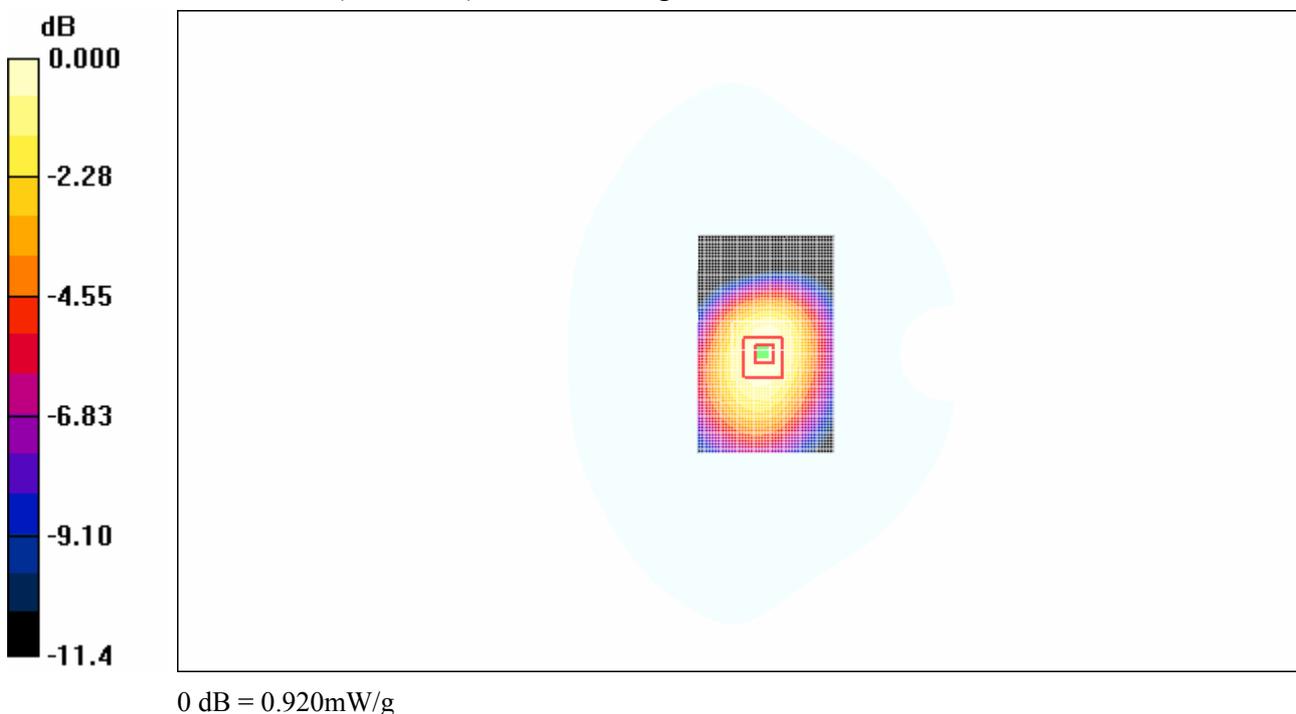


Fig. 35 CDMA 835MHz, Body, Towards Ground, CH1013

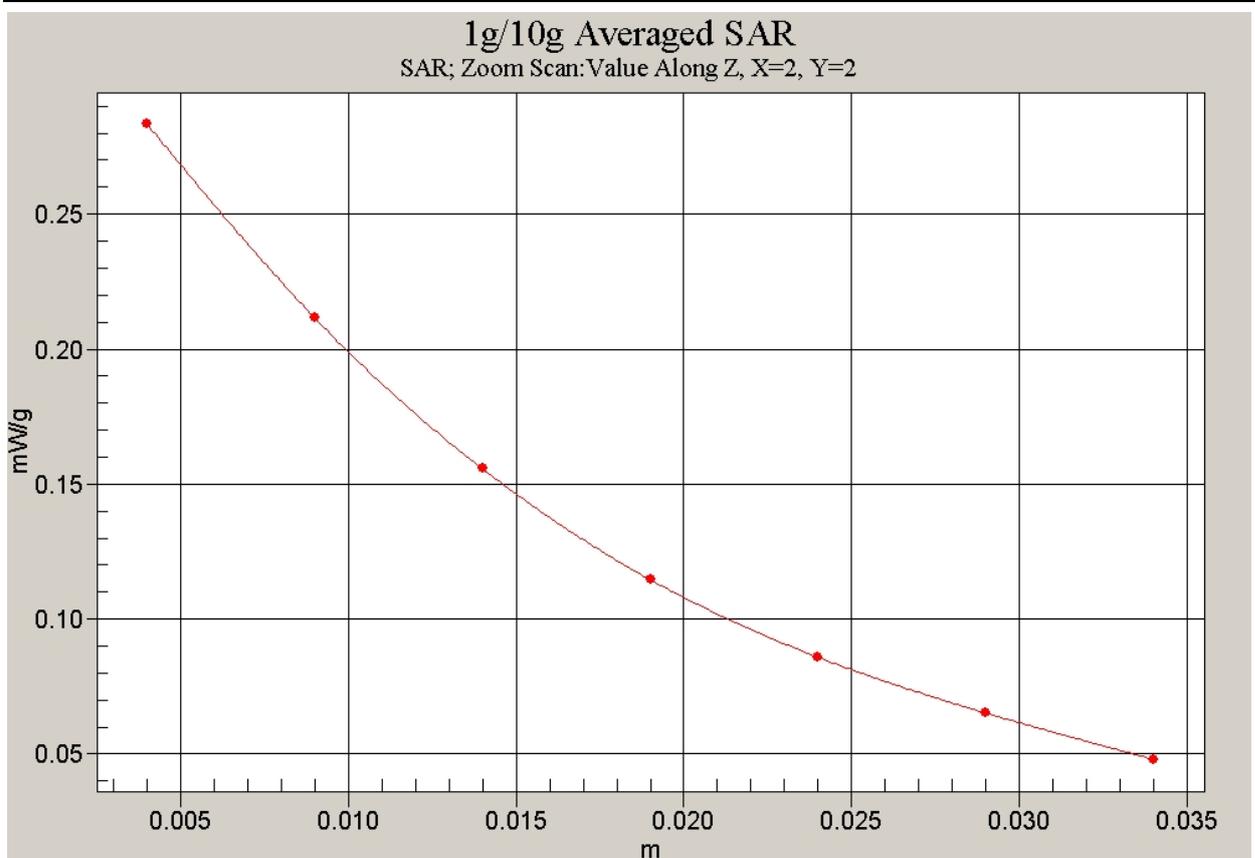


Fig. 36 Z-Scan at power reference point (CDMA 835MHz, Body, Towards Ground, CH1013)

ANNEX D SYSTEM VALIDATION RESULTS**835MHzDAE589Probe1736**

Date/Time: 2007-3-28 8:12:09

Electronics: DAE3 Sn536

Medium: 835 Head

Medium parameters used (interpolated): $f=835\text{MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 41.4$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

Communication System: CW Frequency: 835 MHz Duty Cycle: 1:1

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

835MHz/Area Scan (101x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 2.68 mW/g

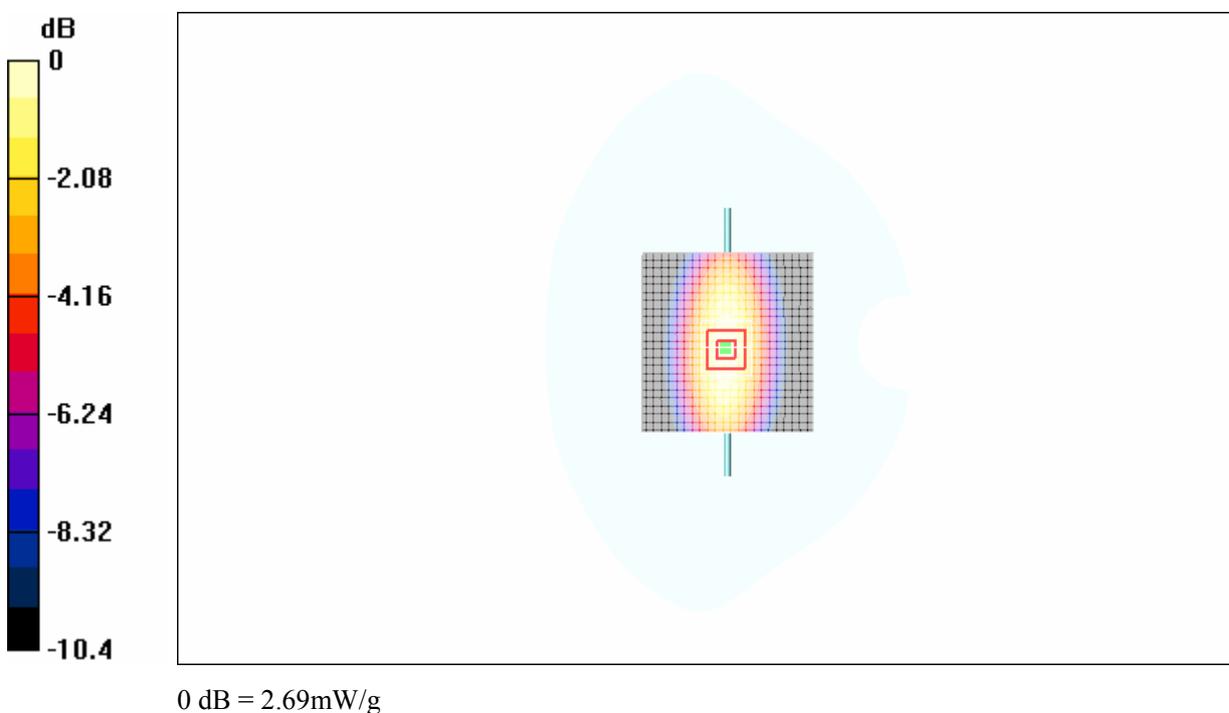
835MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.8 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 2.48 mW/g; SAR(10 g) = 1.62 mW/g

Maximum value of SAR (measured) = 2.69 mW/g

**Fig.37 validation 835MHz 250mW**