

Fig. 58 Z-Scan at power reference point (WCDMA 1900MHz CH9400)

WCDMA 1900 Right Tilt Low

Date/Time: 2008-6-16 17:56:04

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.33$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

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

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

Probe: ES3DV3 - SN3142 ConvF(4.87, 4.87, 4.87)

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

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

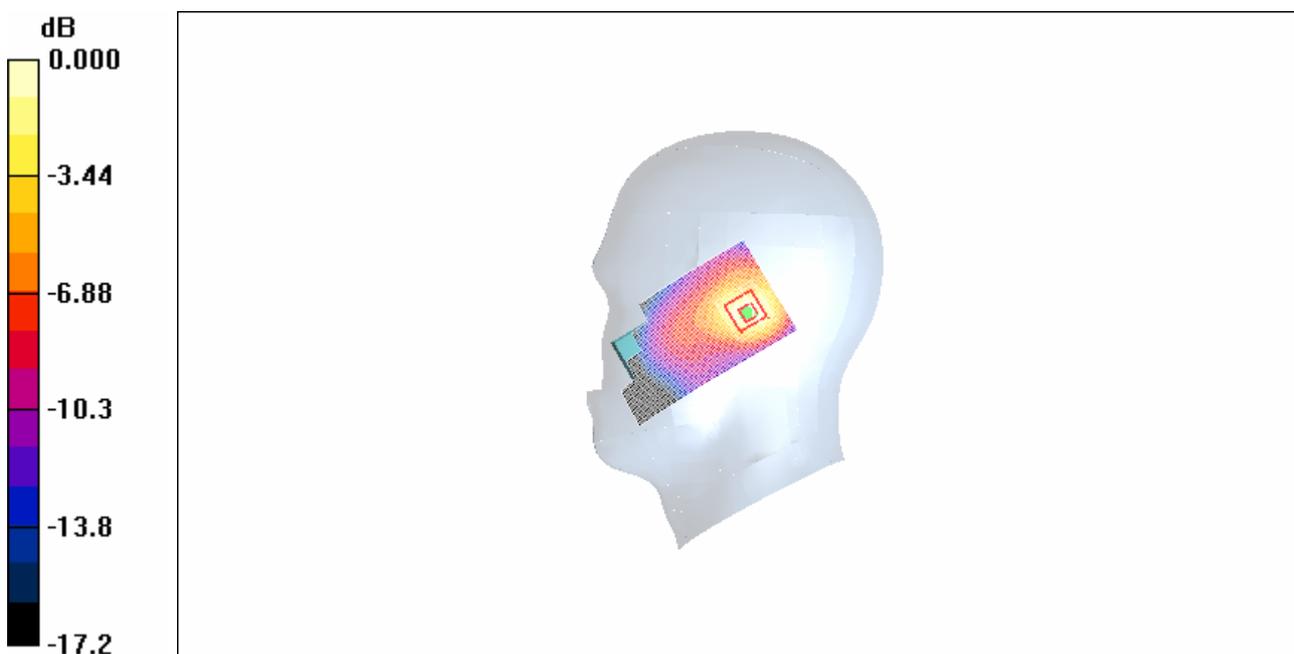
Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.916 W/kg

SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.265 mW/g

Maximum value of SAR (measured) = 0.527 mW/g



0 dB = 0.527mW/g

Fig. 59 Right Hand Tilt 15°WCDMA 1900MHz CH9262

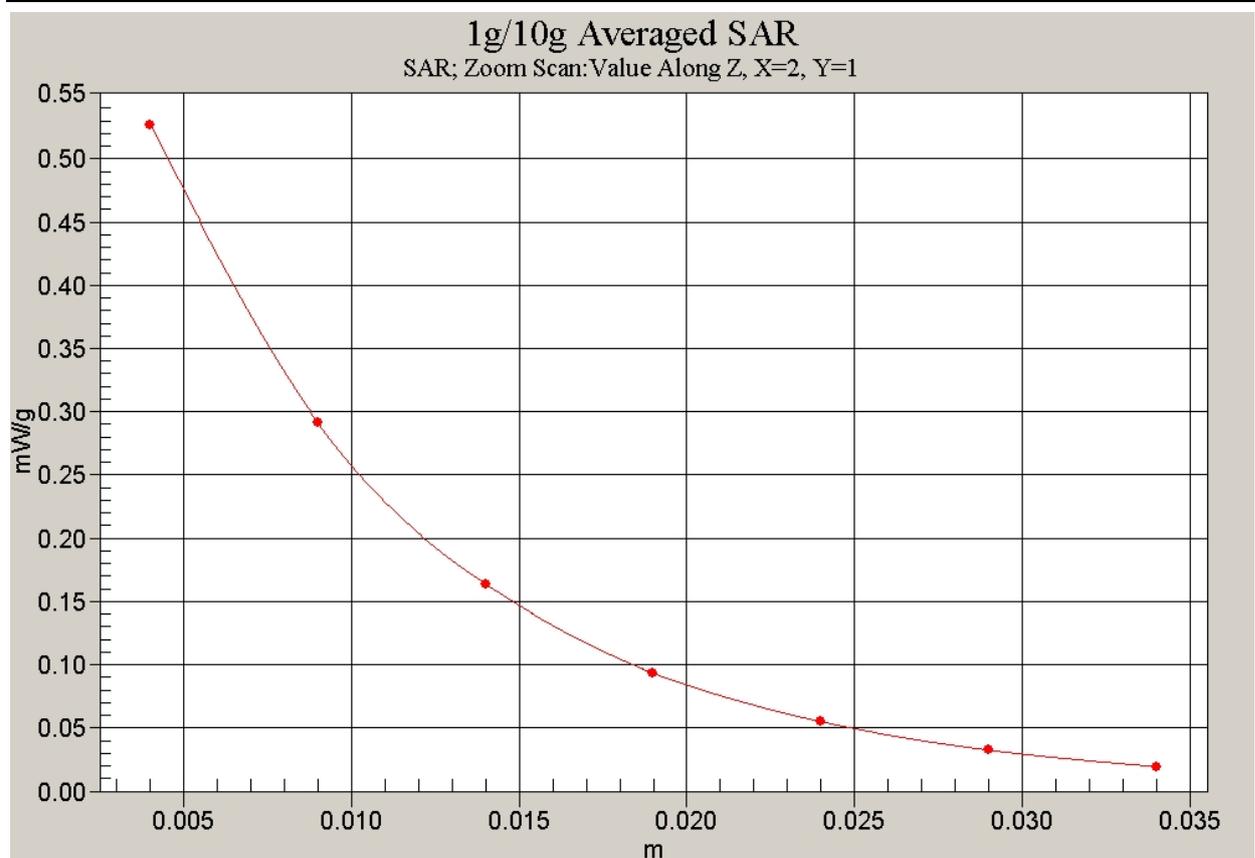


Fig. 60 Z-Scan at power reference point (WCDMA 1900MHz CH9262)

WCDMA 1900 Body Toward Ground High

Date/Time: 2008-6-16 13:55:45

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

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

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

Probe: ES3DV3 - SN3142 ConvF(4.61, 4.61, 4.61)

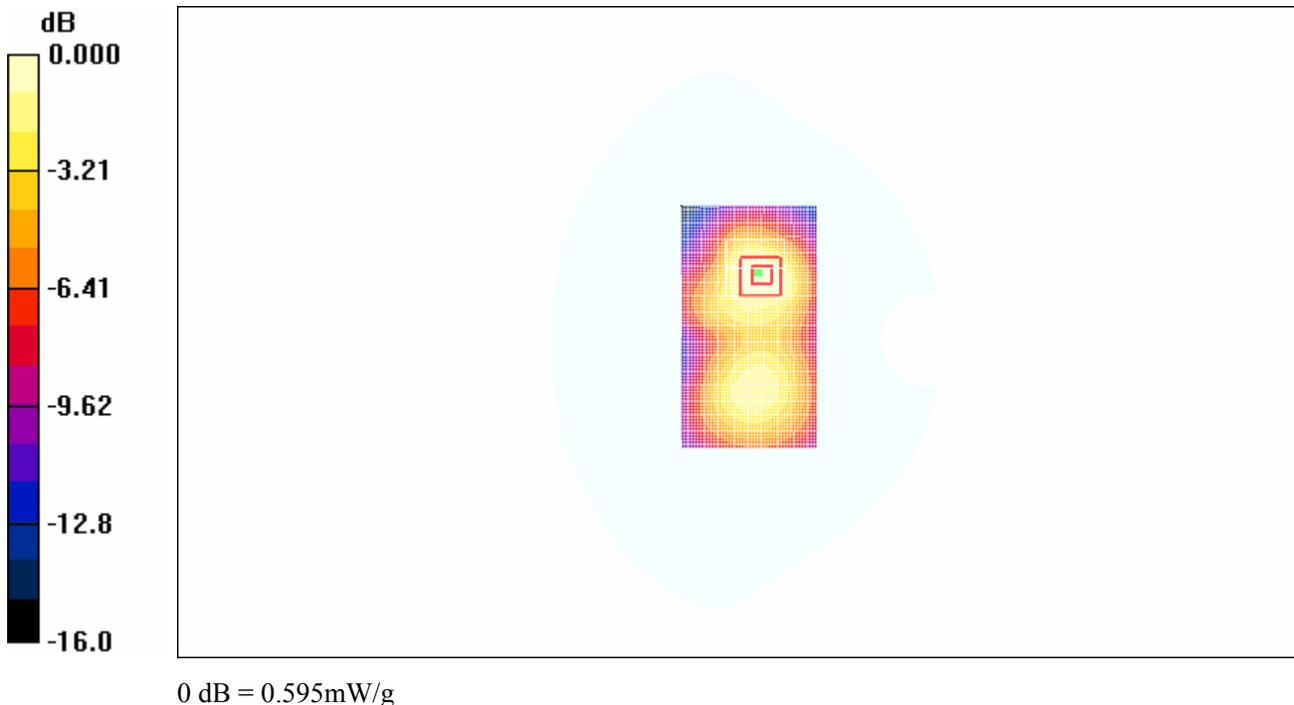
Toward Ground High/Area Scan (51x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.611 mW/g**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

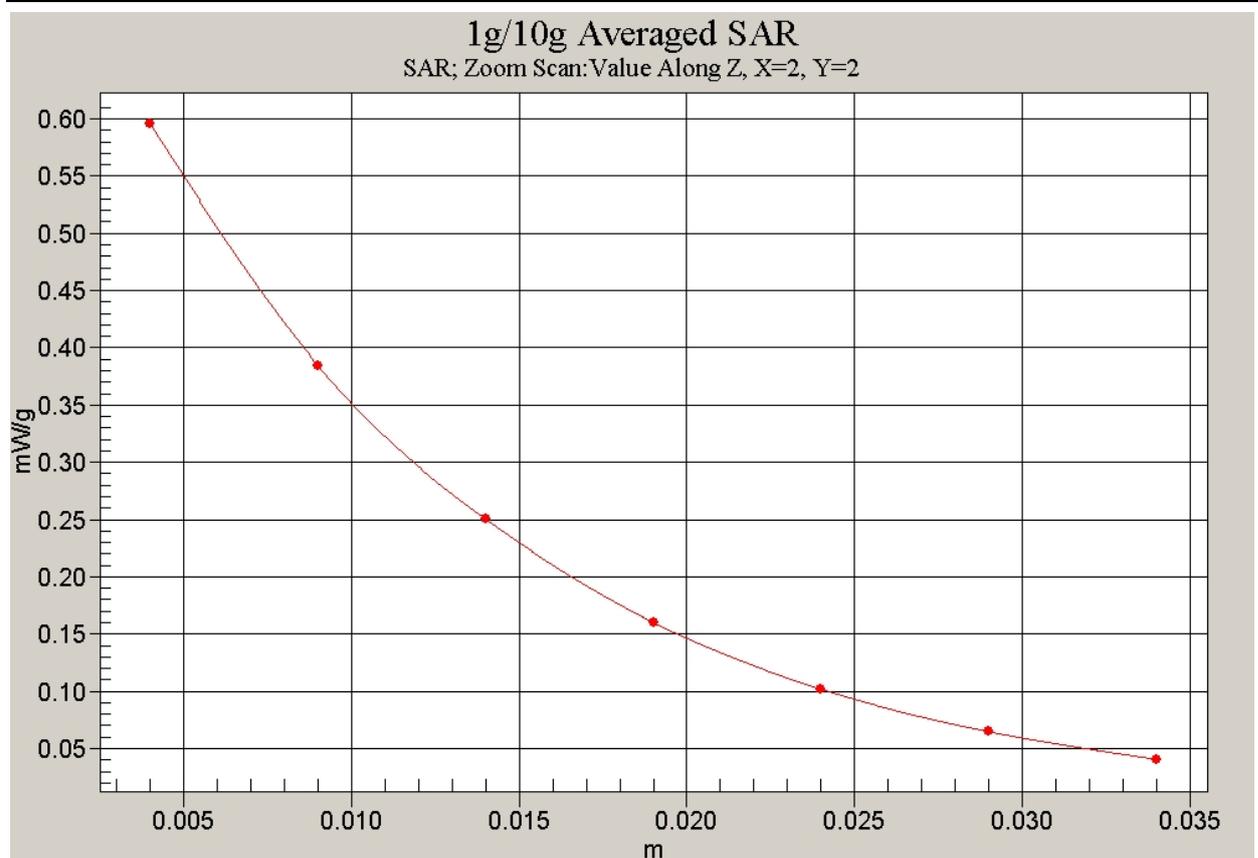
Reference Value = 12.5 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.882 W/kg

SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 0.595 mW/g

**Fig. 61 WCDMA 1900MHz, Body, Towards Ground, CH9538**



**Fig. 62 Z-Scan at power reference point
(WCDMA 1900MHz, Body, Towards Ground, CH9538)**

WCDMA 1900 Body Toward Ground Middle

Date/Time: 2008-6-16 14:09:31

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

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

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

Probe: ES3DV3 - SN3142 ConvF(4.61, 4.61, 4.61)

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

Maximum value of SAR (interpolated) = 0.604 mW/g

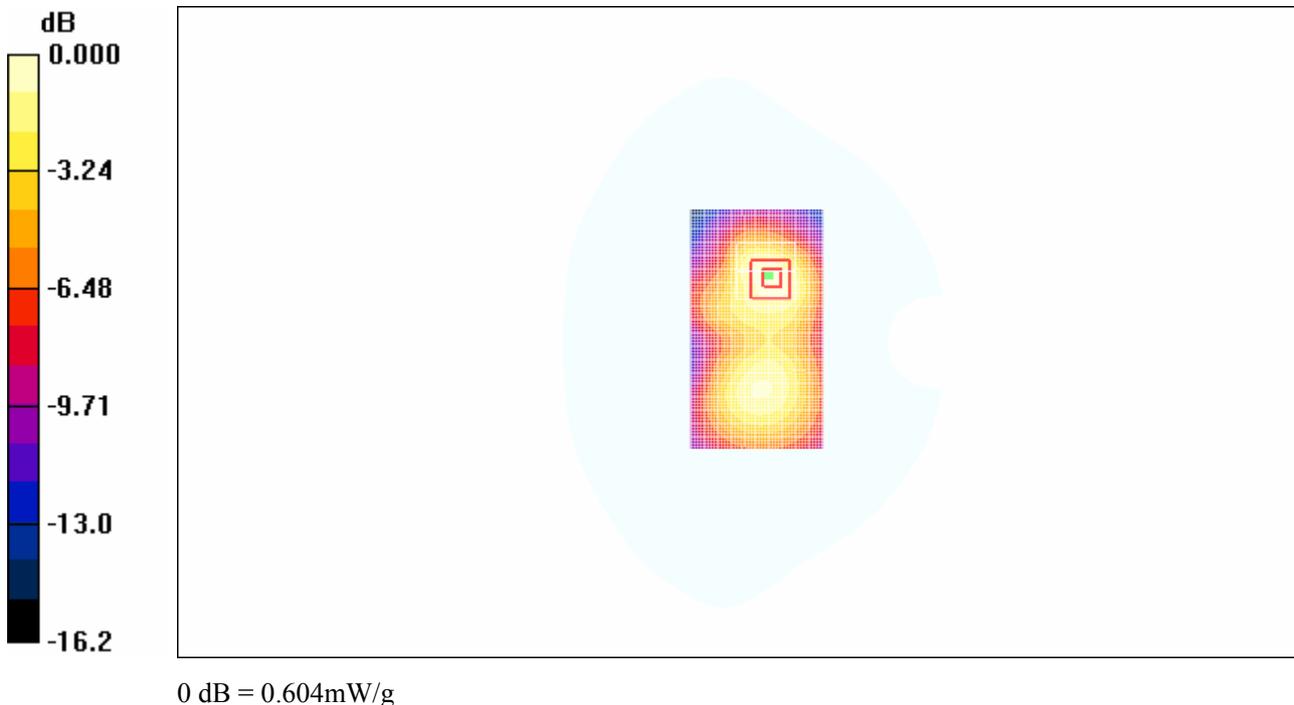
Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

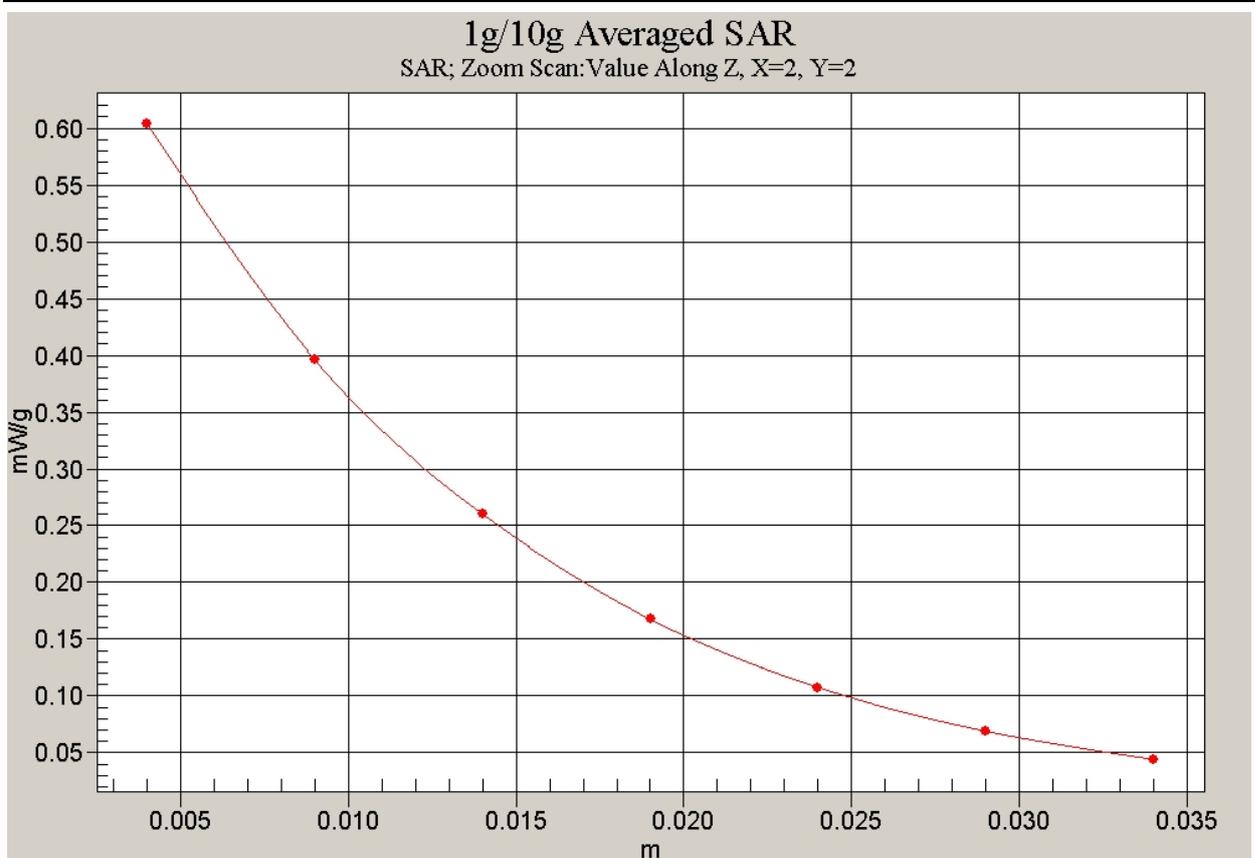
Reference Value = 13.2 V/m; Power Drift = 0.117 dB

Peak SAR (extrapolated) = 0.882 W/kg

SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.341 mW/g

Maximum value of SAR (measured) = 0.604 mW/g

**Fig. 63 WCDMA 1900MHz, Body, Towards Ground, CH9400**



**Fig. 64 Z-Scan at power reference point
(WCDMA 1900MHz, Body, Towards Ground, CH9400)**

WCDMA 1900 Body Toward Ground Low

Date/Time: 2008-6-16 14:33:07

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

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

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

Probe: ES3DV3 - SN3142 ConvF(4.61, 4.61, 4.61)

Toward Ground Low/Area Scan (51x91x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.521 mW/g

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

Reference Value = 12.5 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.772 W/kg

SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.290 mW/g

Maximum value of SAR (measured) = 0.522 mW/g

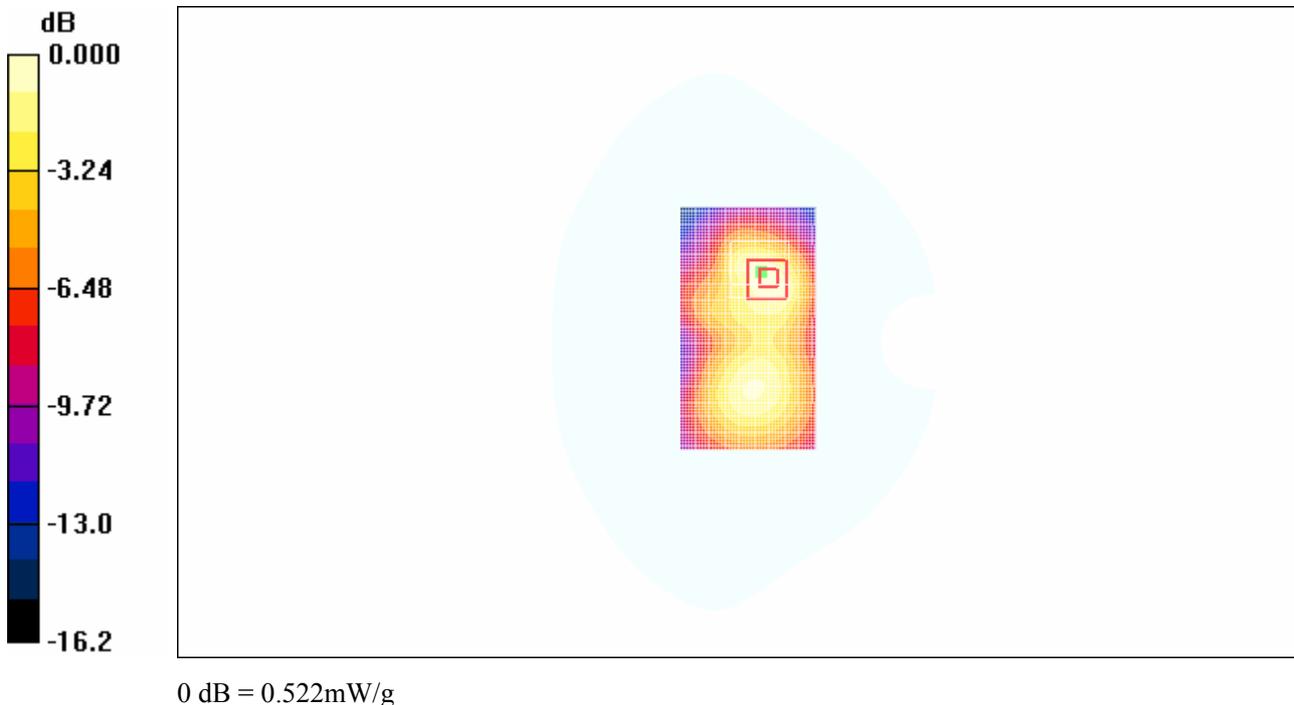
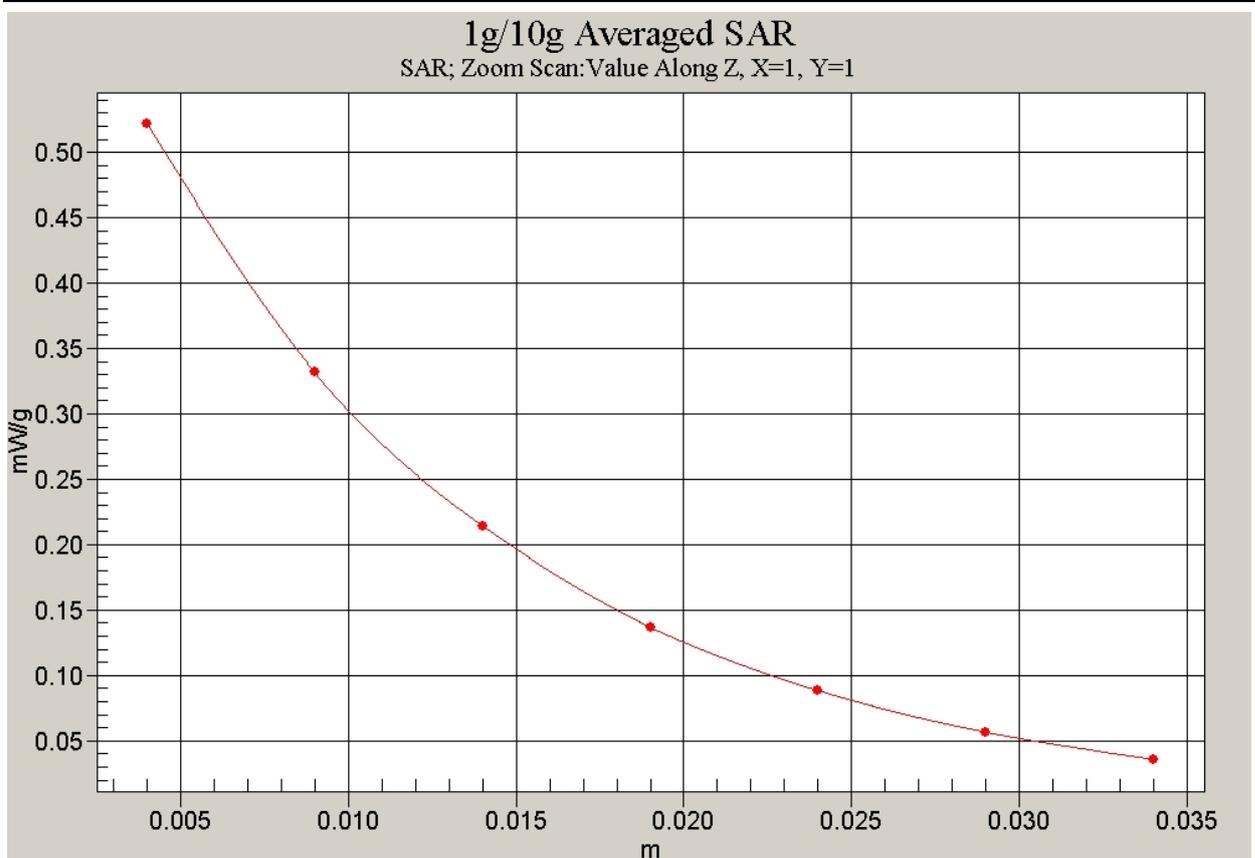


Fig. 65 WCDMA 1900MHz, Body, Towards Ground, CH9262



**Fig. 66 Z-Scan at power reference point
(WCDMA 1900MHz, Body, Towards Ground, CH9262)**

WCDMA 1900 Body Toward Phantom High

Date/Time: 2008-6-16 15:14:11

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

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

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

Probe: ES3DV3 - SN3142 ConvF(4.61, 4.61, 4.61)

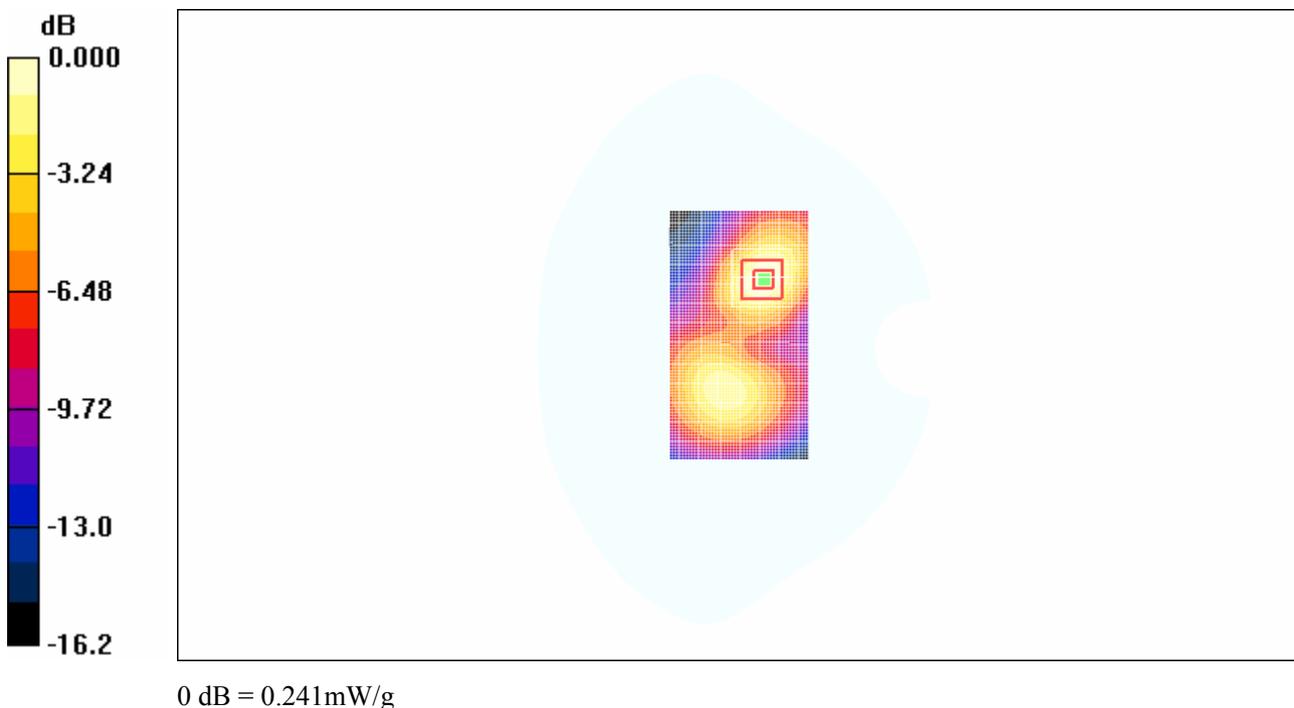
Toward Phantom High/Area Scan (51x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.253 mW/g**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

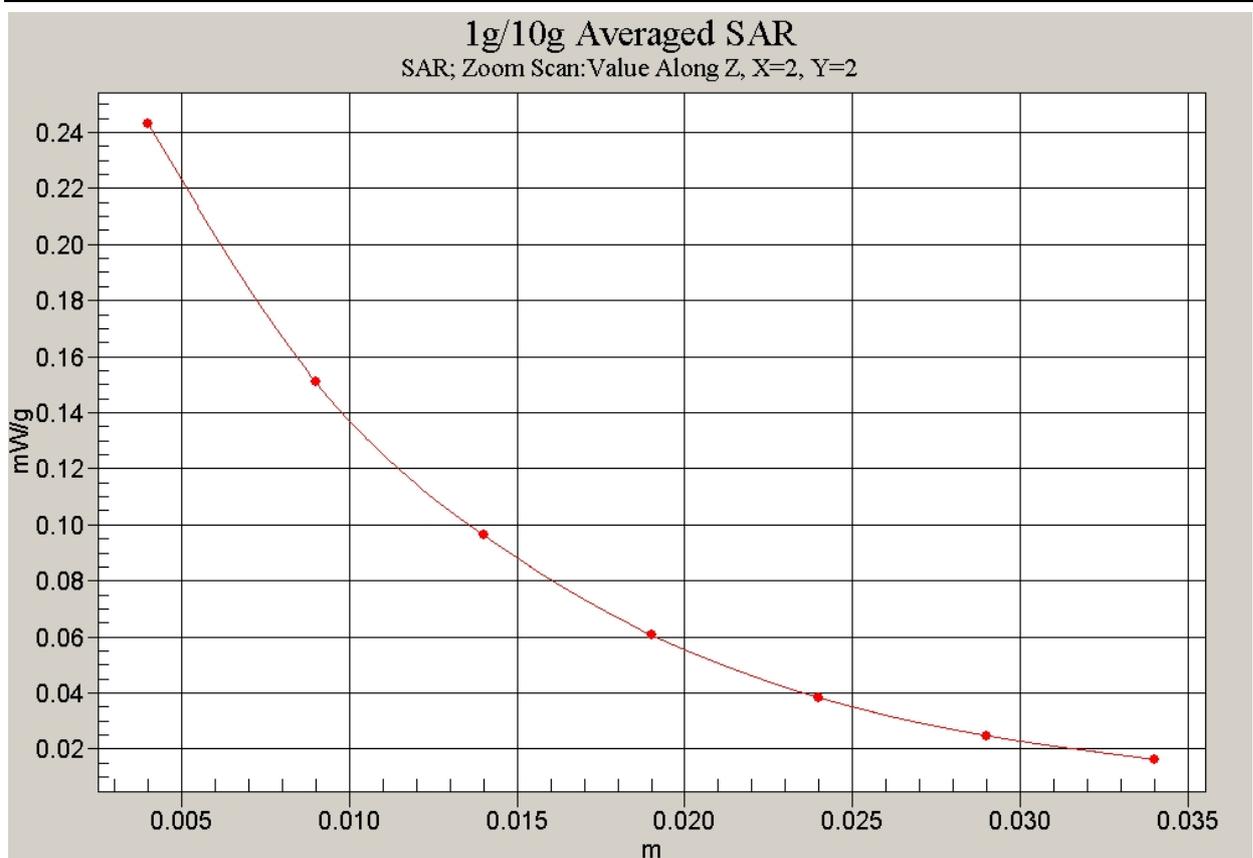
Reference Value = 6.84 V/m; Power Drift = 0.092 dB

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.127 mW/g

Maximum value of SAR (measured) = 0.241 mW/g

**Fig. 67 WCDMA 1900MHz, Body, Towards Phantom, CH9538**



**Fig. 68 Z-Scan at power reference point
(WCDMA 1900MHz, Body, Towards Phantom, CH9538)**

WCDMA 1900 Body Toward Phantom Middle

Date/Time: 2008-6-16 14:59:26

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

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

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

Probe: ES3DV3 - SN3142 ConvF(4.61, 4.61, 4.61)

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

Maximum value of SAR (interpolated) = 0.199 mW/g

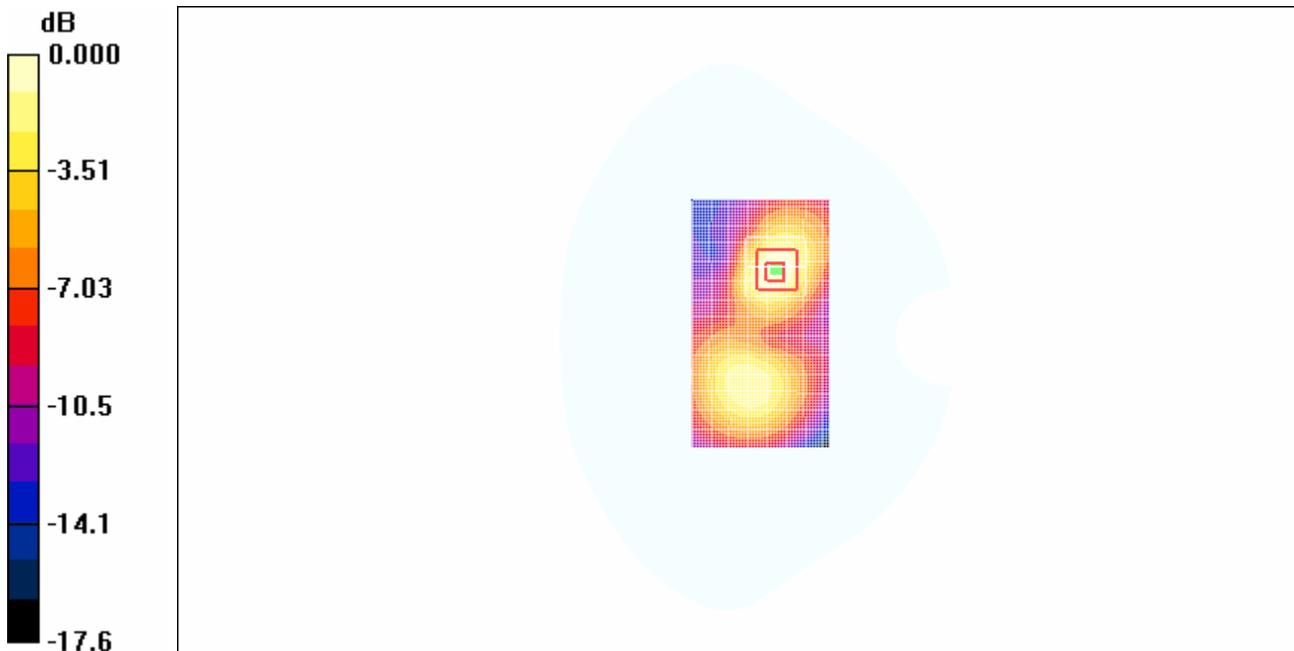
Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.19 V/m; Power Drift = 0.200 dB

Peak SAR (extrapolated) = 0.279 W/kg

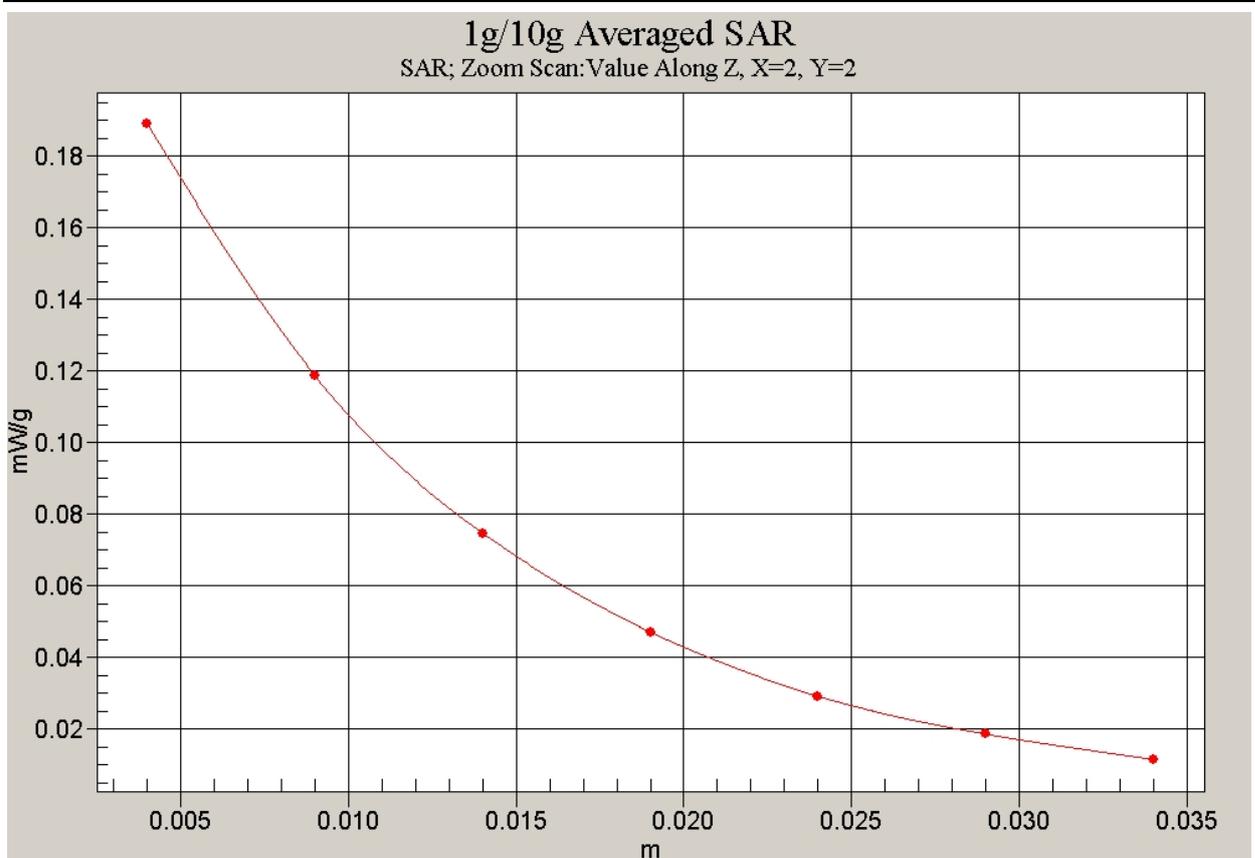
SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.189 mW/g



0 dB = 0.189mW/g

Fig. 69 WCDMA 1900MHz, Body, Towards Phantom, CH9400



**Fig. 70 Z-Scan at power reference point
(WCDMA 1900MHz, Body, Towards Phantom, CH9400)**

WCDMA 1900 Body Toward Phantom Low

Date/Time: 2008-6-16 14:45:27

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

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

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

Probe: ES3DV3 - SN3142 ConvF(4.61, 4.61, 4.61)

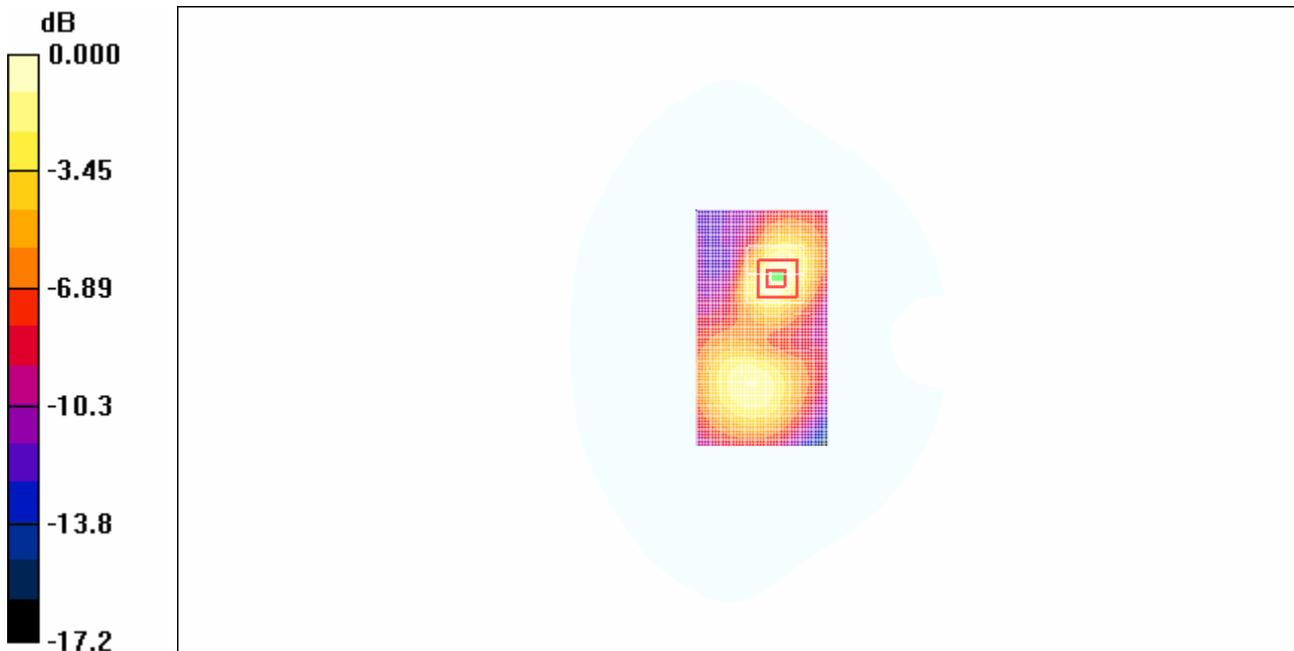
Toward Phantom Low/Area Scan (51x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.154 mW/g**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.00 V/m; Power Drift = 0.200 dB

Peak SAR (extrapolated) = 0.224 W/kg

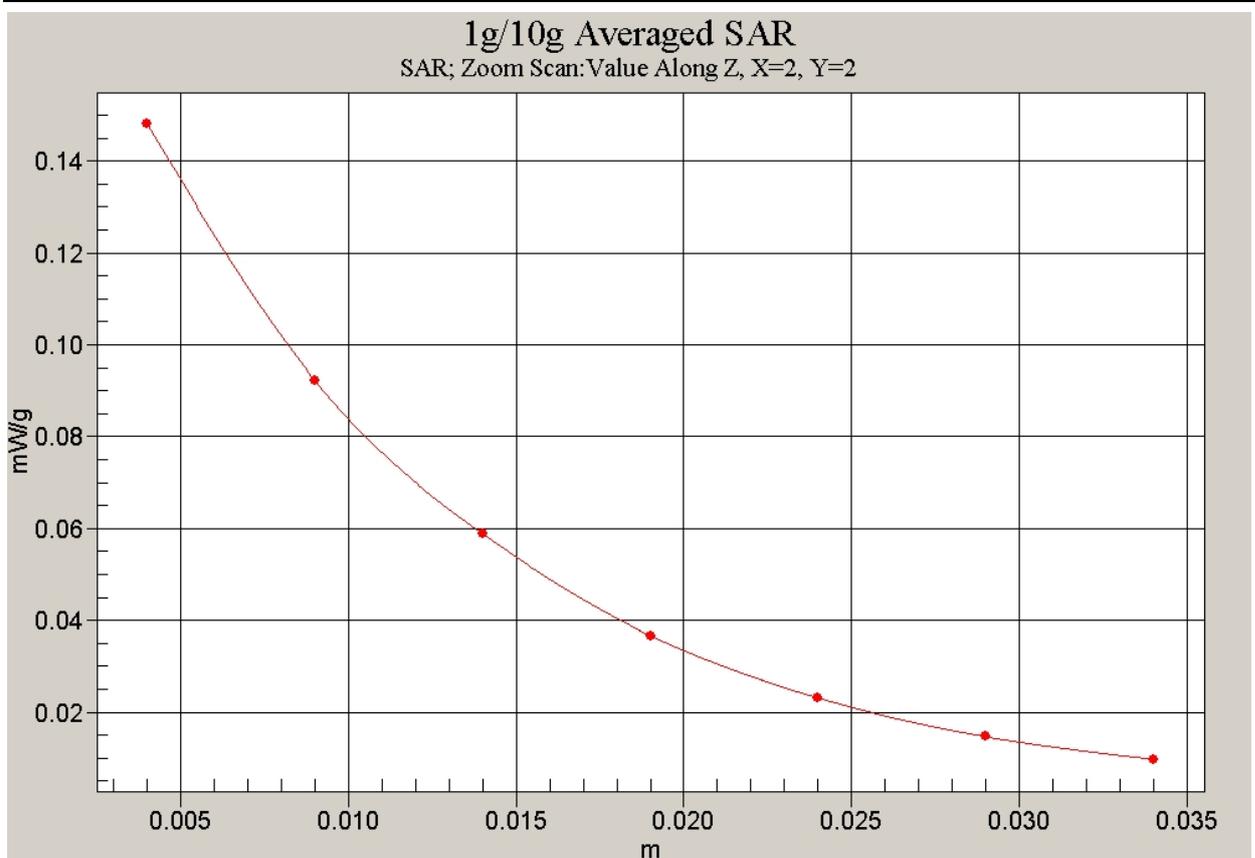
SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.148 mW/g



0 dB = 0.148mW/g

Fig. 71 WCDMA 1900MHz, Body, Towards Phantom, CH9262



**Fig. 72 Z-Scan at power reference point
(WCDMA 1900MHz, Body, Towards Phantom, CH9262)**

850 Left Cheek High

Date/Time: 2008-6-13 16:28:28

Electronics: DAE4 Sn777

Medium: Head GSM850

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 43.7$; $\rho = 1000$ kg/m³

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)

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

Maximum value of SAR (interpolated) = 0.581 mW/g

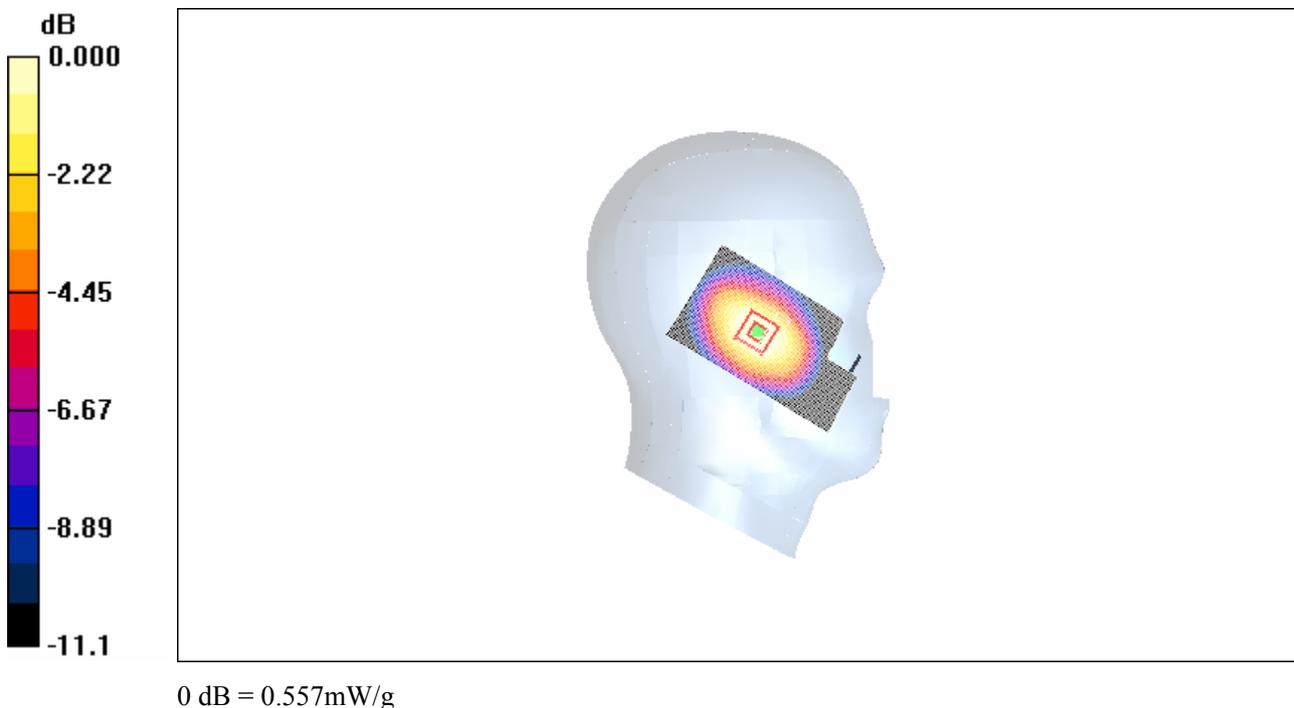
Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.746 W/kg

SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.366 mW/g

Maximum value of SAR (measured) = 0.557 mW/g

**Fig. 73 Left Hand Touch Cheek 850MHz CH251**

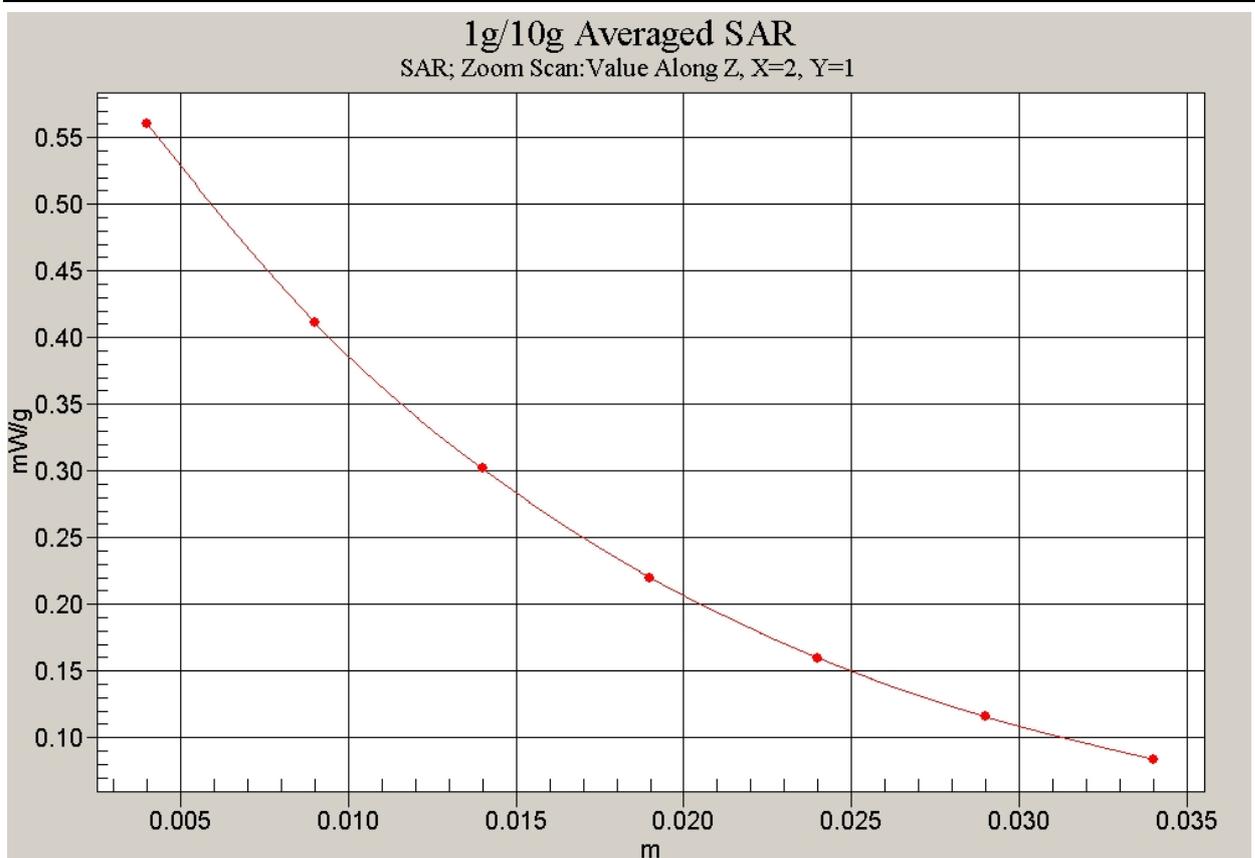


Fig.74 Z-Scan at power reference point (850MHz CH251)

850 Left Cheek Middle

Date/Time: 2008-6-13 16:39:03

Electronics: DAE4 Sn777

Medium: Head GSM850

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.909$ mho/m; $\epsilon_r = 43.9$; $\rho = 1000$ kg/m³

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)

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

Maximum value of SAR (interpolated) = 0.746 mW/g

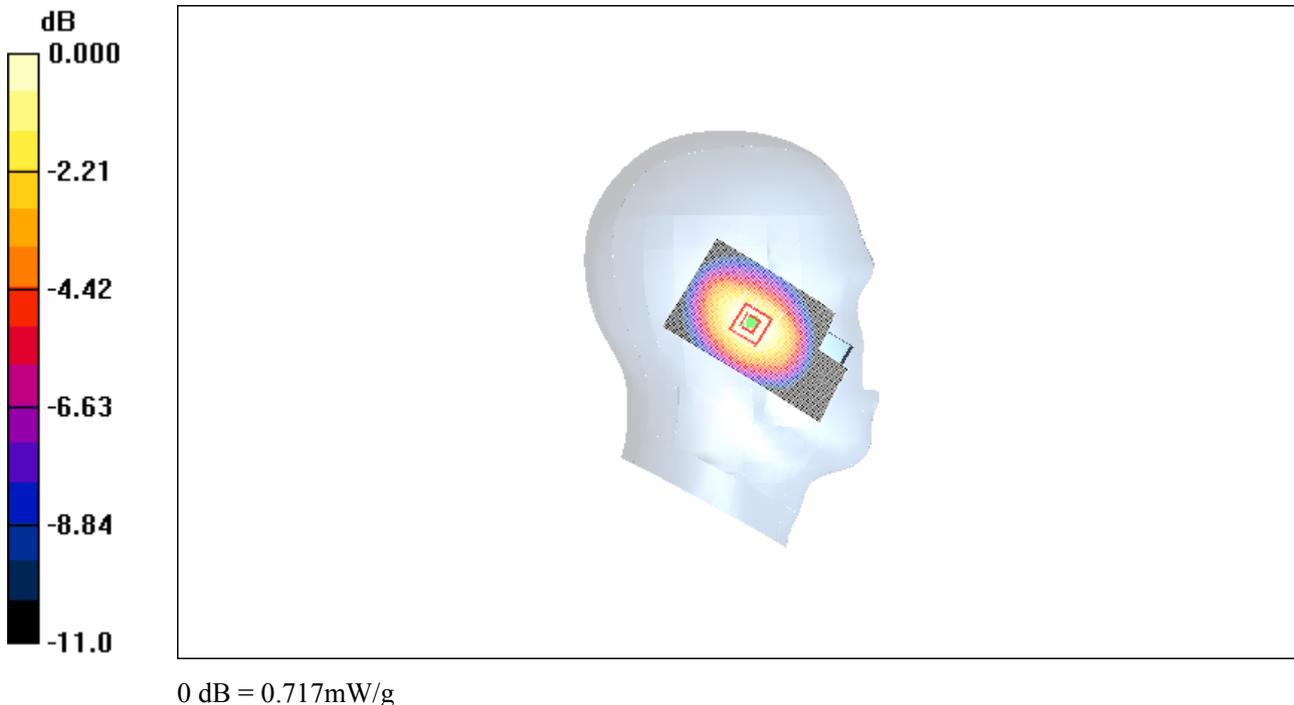
Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.973 W/kg

SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.472 mW/g

Maximum value of SAR (measured) = 0.717 mW/g

**Fig. 75Left Hand Touch Cheek 850MHz CH190**

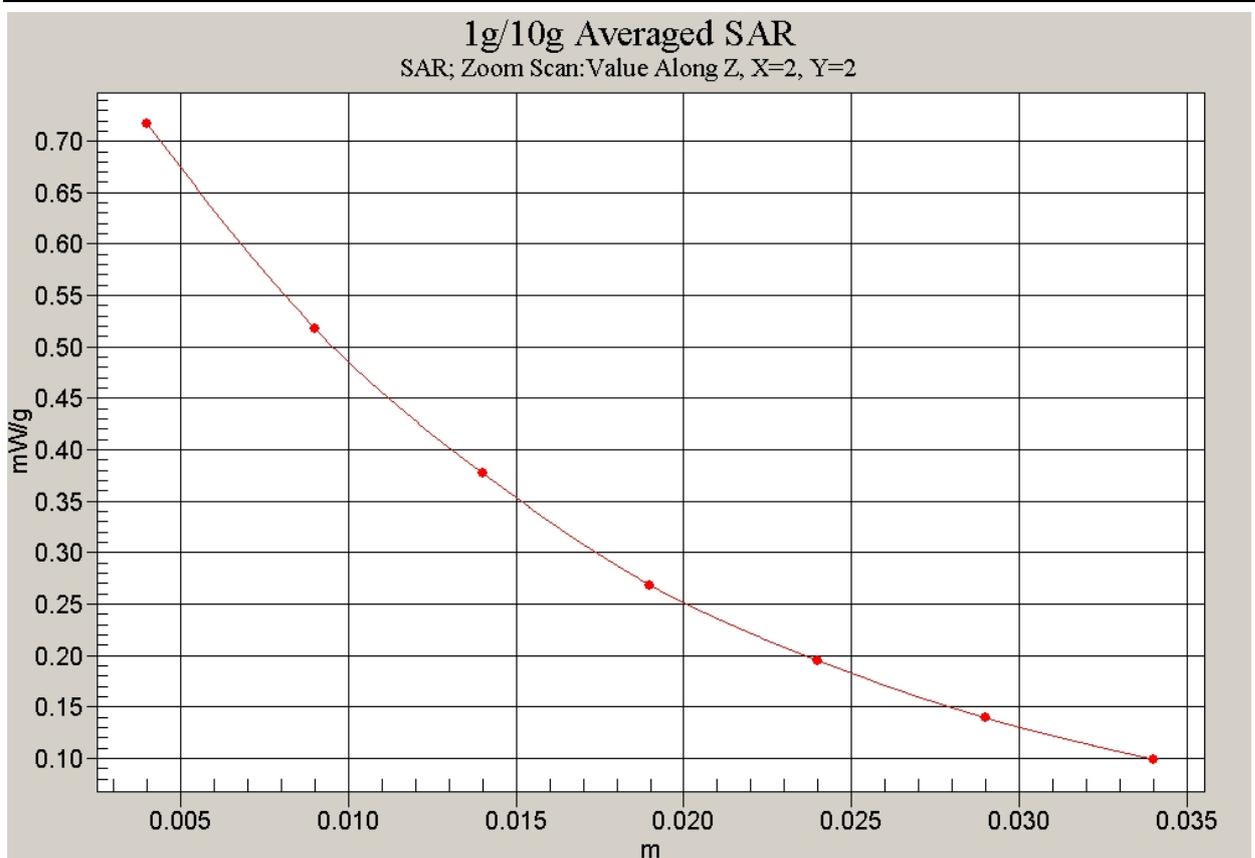


Fig. 76 Z-Scan at power reference point (850MHz CH190)

850 Left Cheek Low

Date/Time: 2008-6-13 16:49:58

Electronics: DAE4 Sn777

Medium: Head GSM850

Medium parameters used: $f = 825$ MHz; $\sigma = 0.897$ mho/m; $\epsilon_r = 44$; $\rho = 1000$ kg/m³

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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.881 mW/g

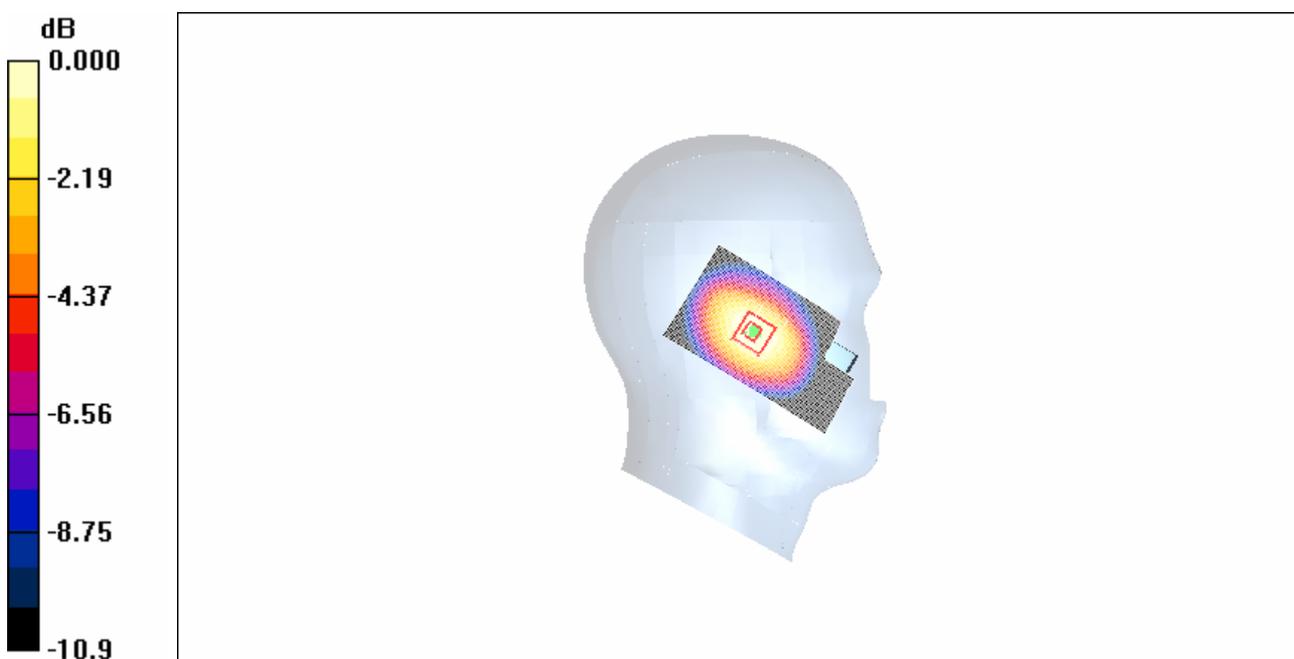
Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.9 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.557 mW/g

Maximum value of SAR (measured) = 0.851 mW/g



0 dB = 0.851mW/g

Fig. 77 Left Hand Touch Cheek 850MHz CH128

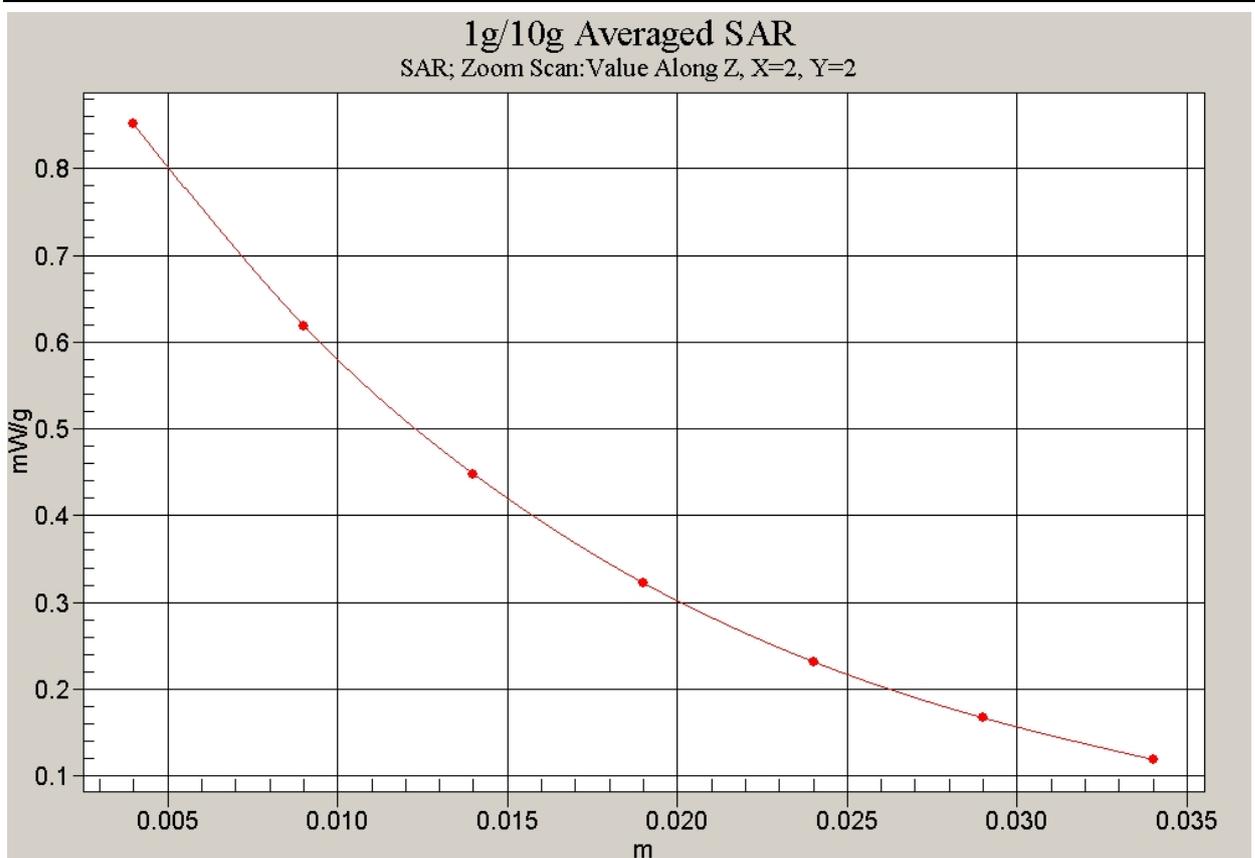


Fig. 78 Z-Scan at power reference point (850MHz CH128)

850 Left Tilt High

Date/Time: 2008-6-13 17:45:41

Electronics: DAE4 Sn777

Medium: Head GSM850

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 43.7$; $\rho = 1000$ kg/m³

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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

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

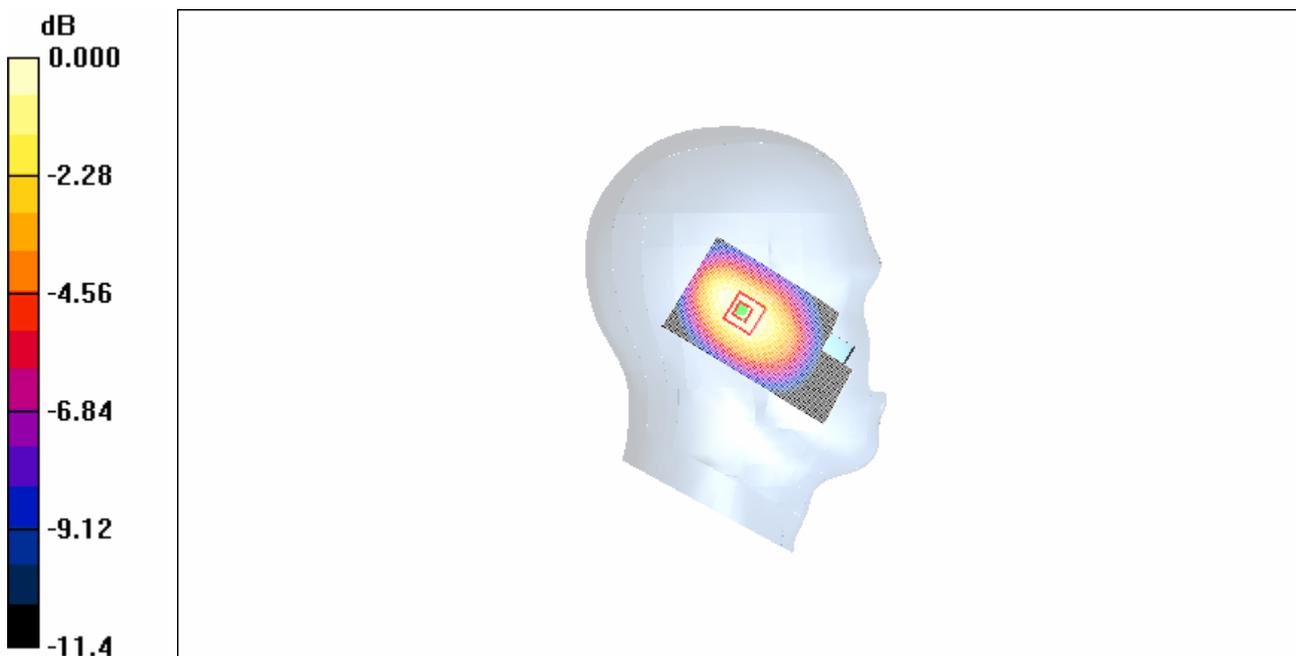
Tilt High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.8 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.460 W/kg

SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.223 mW/g

Maximum value of SAR (measured) = 0.340 mW/g



0 dB = 0.340mW/g

Fig. 79 Left Hand Tilt 15°850MHz CH251

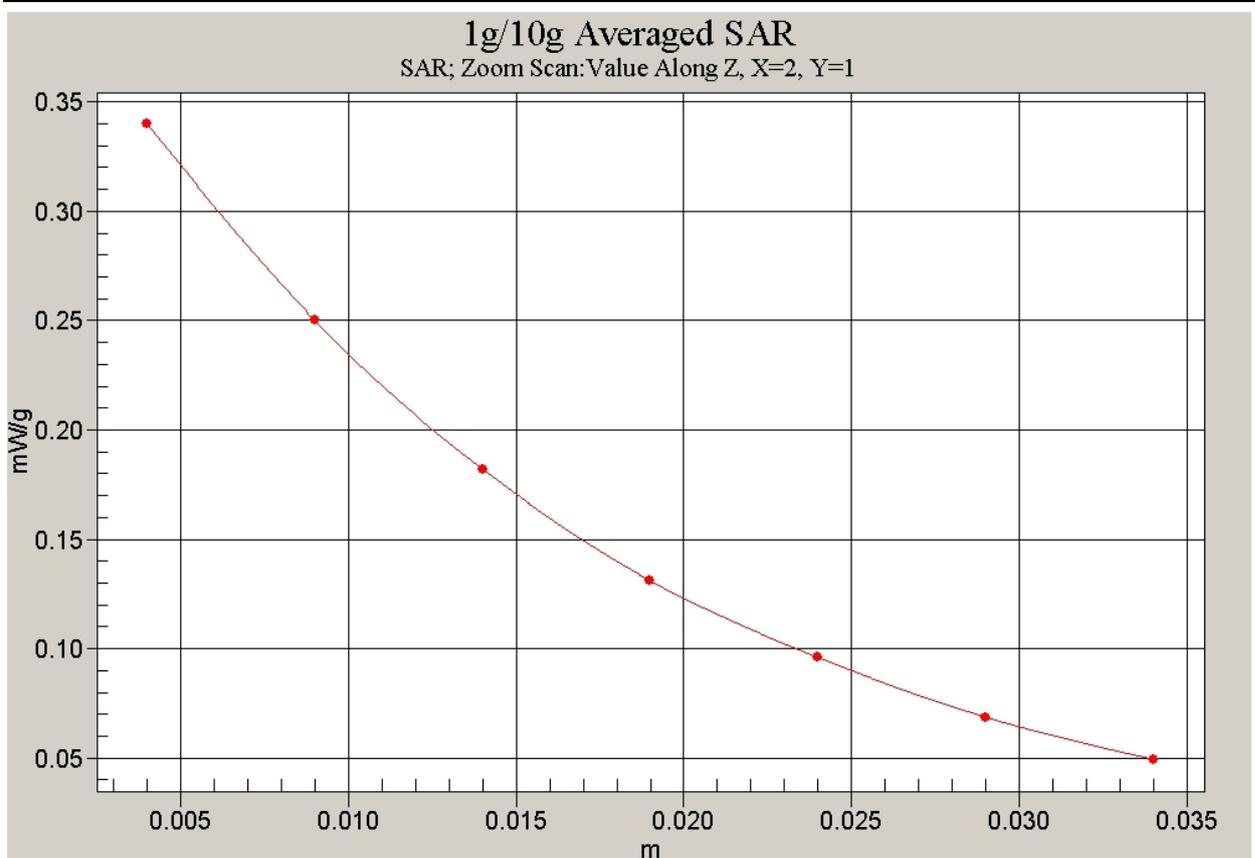


Fig.80 Z-Scan at power reference point (850MHz CH251)

850 Left Tilt Middle

Date/Time: 2008-6-13 17:31:11

Electronics: DAE4 Sn777

Medium: Head GSM850

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.909$ mho/m; $\epsilon_r = 43.9$; $\rho = 1000$ kg/m³

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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.477 mW/g

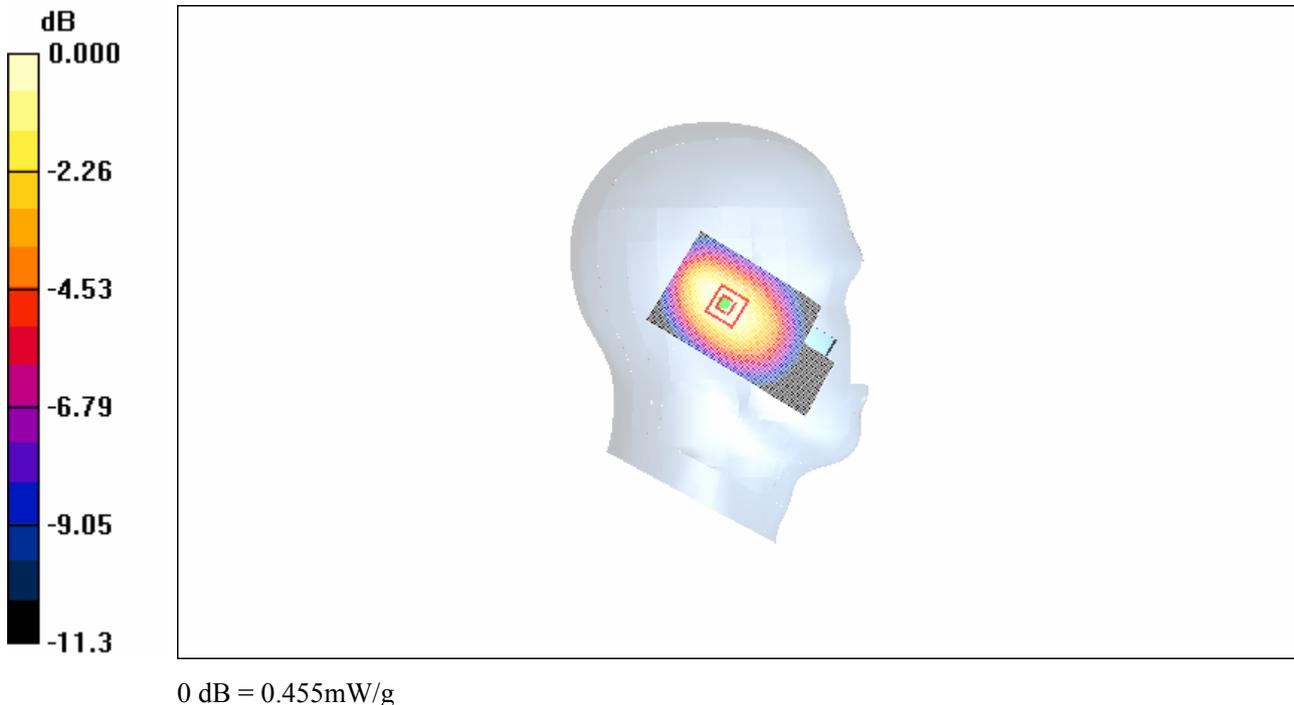
Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.7 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.298 mW/g

Maximum value of SAR (measured) = 0.455 mW/g

**Fig. 81 Left Hand Tilt 15°PCS 850MHz CH190**

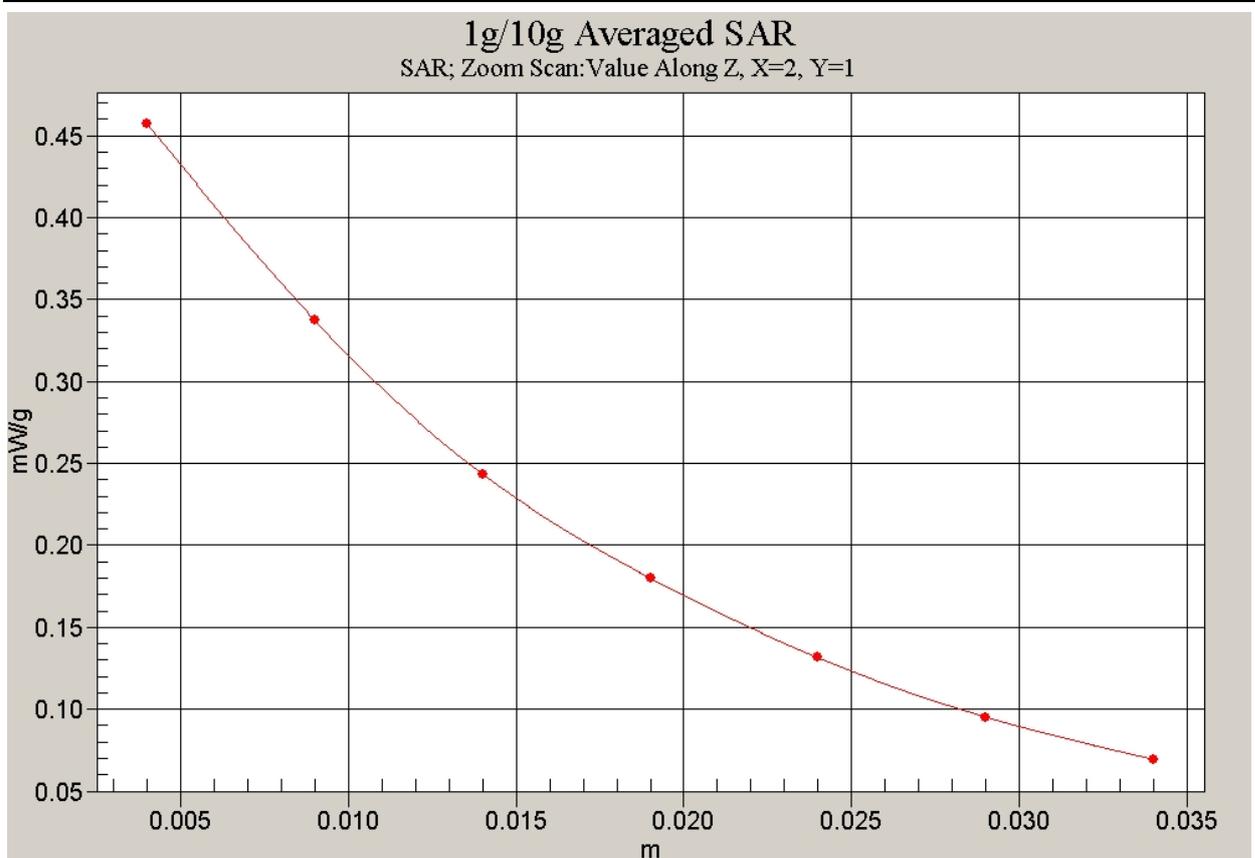


Fig. 82 Z-Scan at power reference point (850MHz CH190)

850 Left Tilt Low

Date/Time: 2008-6-13 17:07:50

Electronics: DAE4 Sn777

Medium: Head GSM850

Medium parameters used: $f = 825$ MHz; $\sigma = 0.897$ mho/m; $\epsilon_r = 44$; $\rho = 1000$ kg/m³

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)

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

Maximum value of SAR (interpolated) = 0.559 mW/g

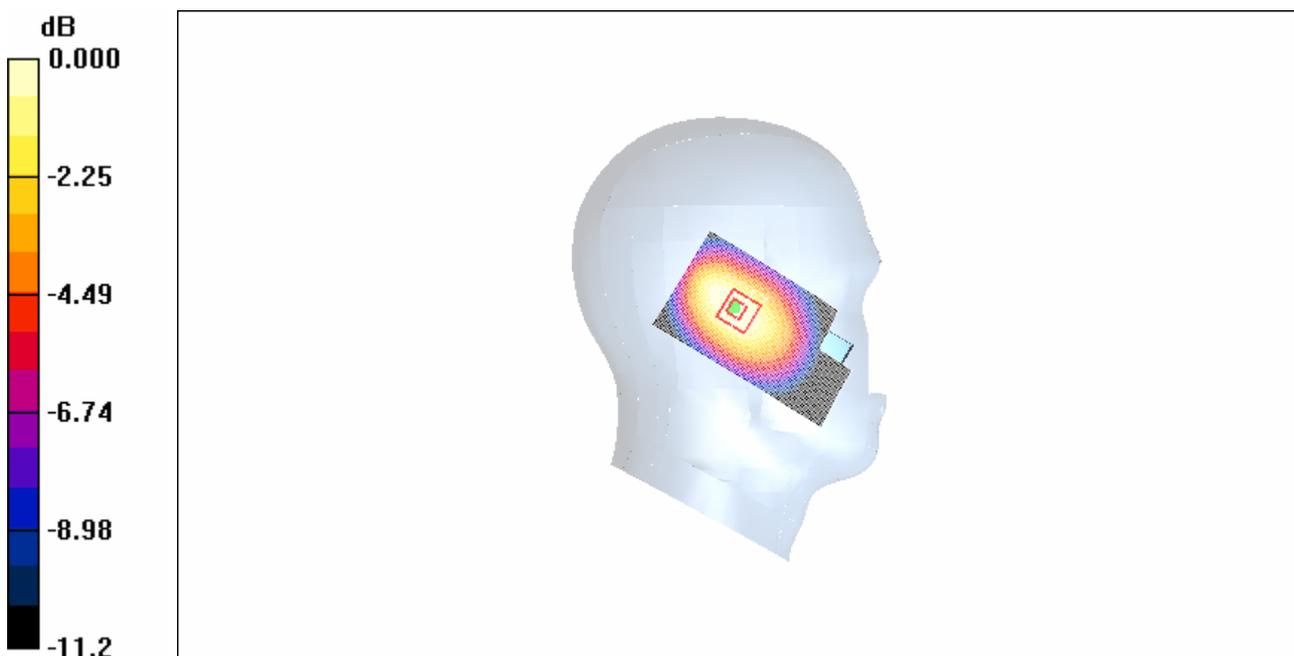
Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.8 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.708 W/kg

SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.346 mW/g

Maximum value of SAR (measured) = 0.524 mW/g

**Fig. 83 Left Hand Tilt 15°850MHz CH128**

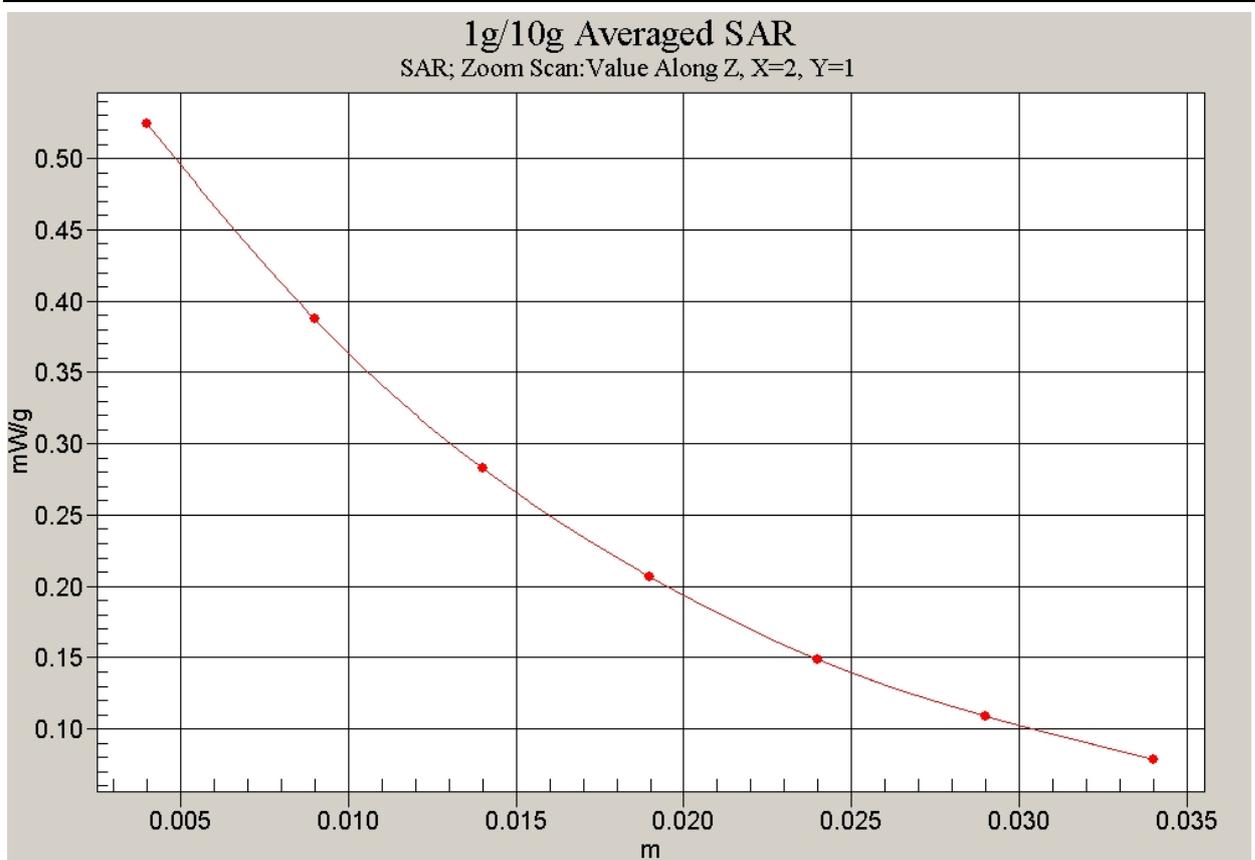


Fig. 84 Z-Scan at power reference point (850MHz CH128)

850 Right Cheek High

Date/Time: 2008-6-13 18:20:46

Electronics: DAE4 Sn777

Medium: Head GSM850

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 43.7$; $\rho = 1000$ kg/m³

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)

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

Maximum value of SAR (interpolated) = 0.704 mW/g

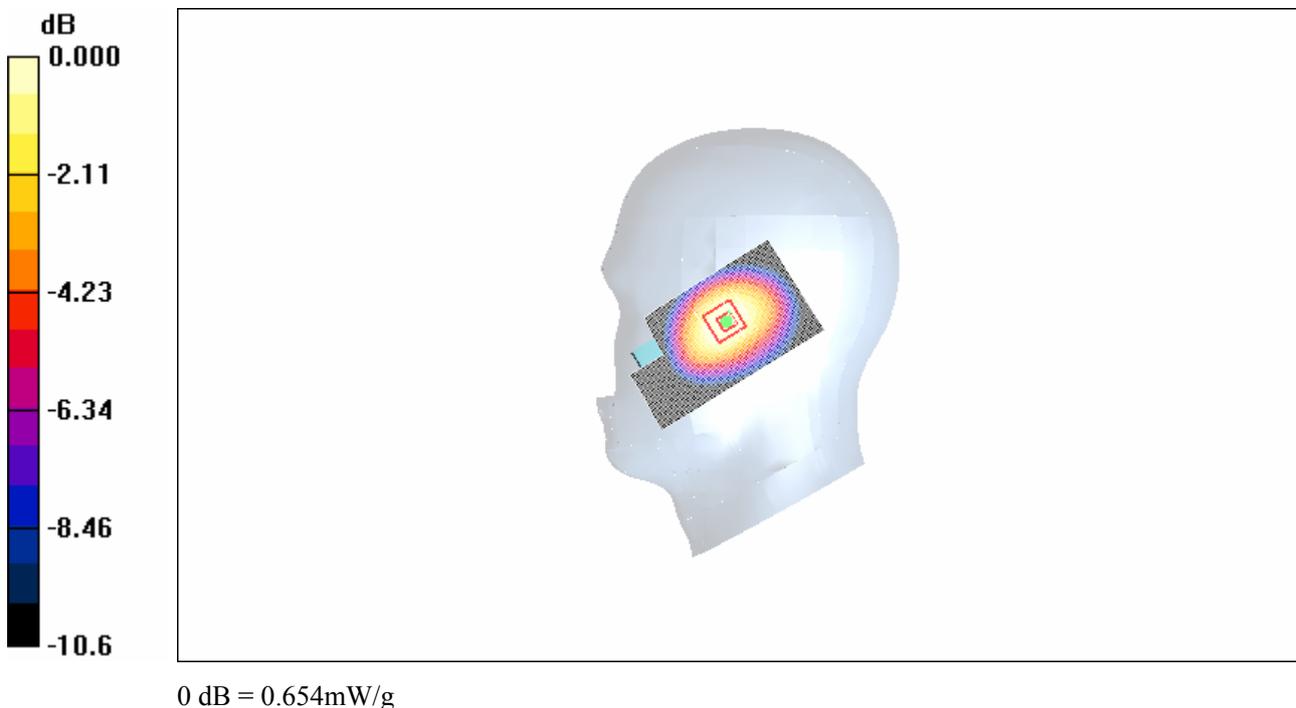
Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.860 W/kg

SAR(1 g) = 0.642 mW/g; SAR(10 g) = 0.437 mW/g

Maximum value of SAR (measured) = 0.654 mW/g

**Fig. 85 Right Hand Touch Cheek 850MHz CH251**

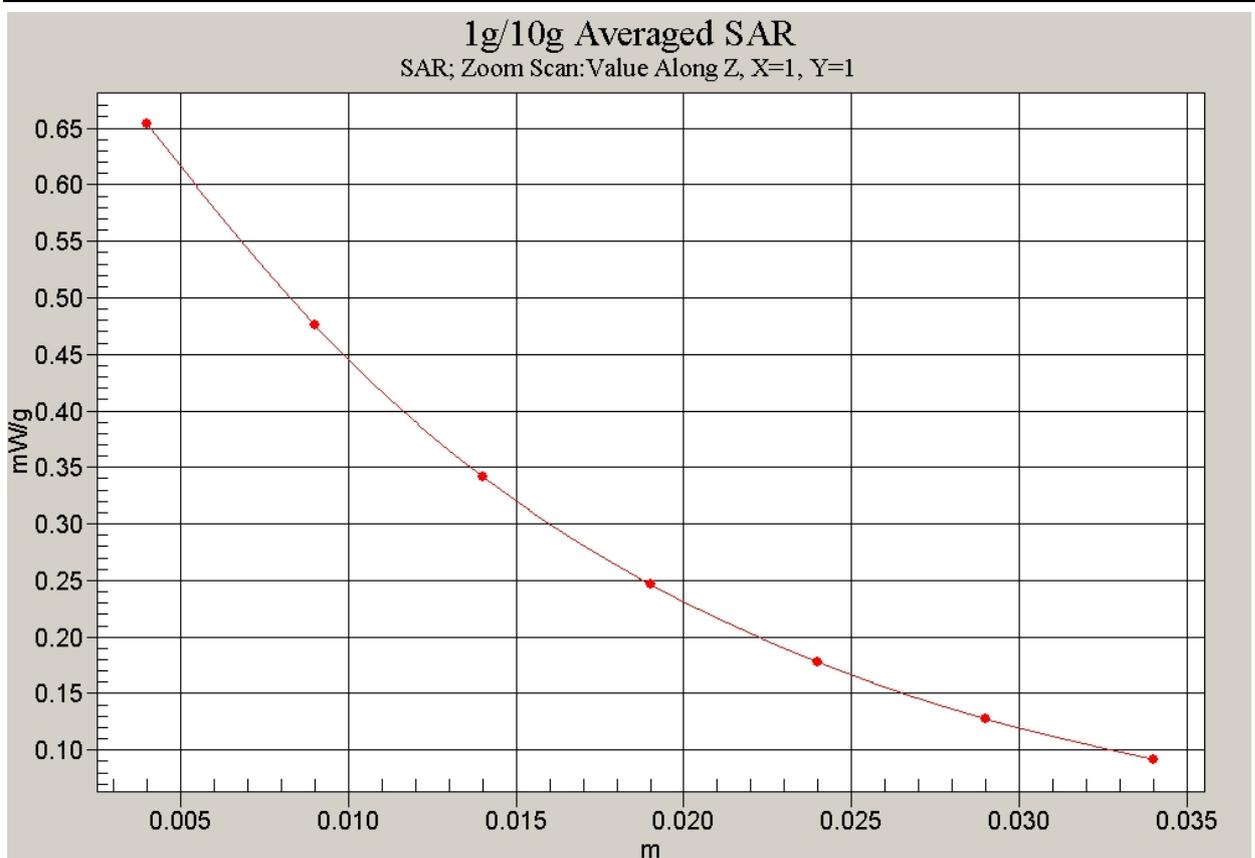


Fig. 86 Z-Scan at power reference point (850MHz CH25)

850 Right Cheek Middle

Date/Time: 2008-6-13 18:31:17

Electronics: DAE4 Sn777

Medium: Head GSM850

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.909$ mho/m; $\epsilon_r = 43.9$; $\rho = 1000$ kg/m³

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)

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

Maximum value of SAR (interpolated) = 0.903 mW/g

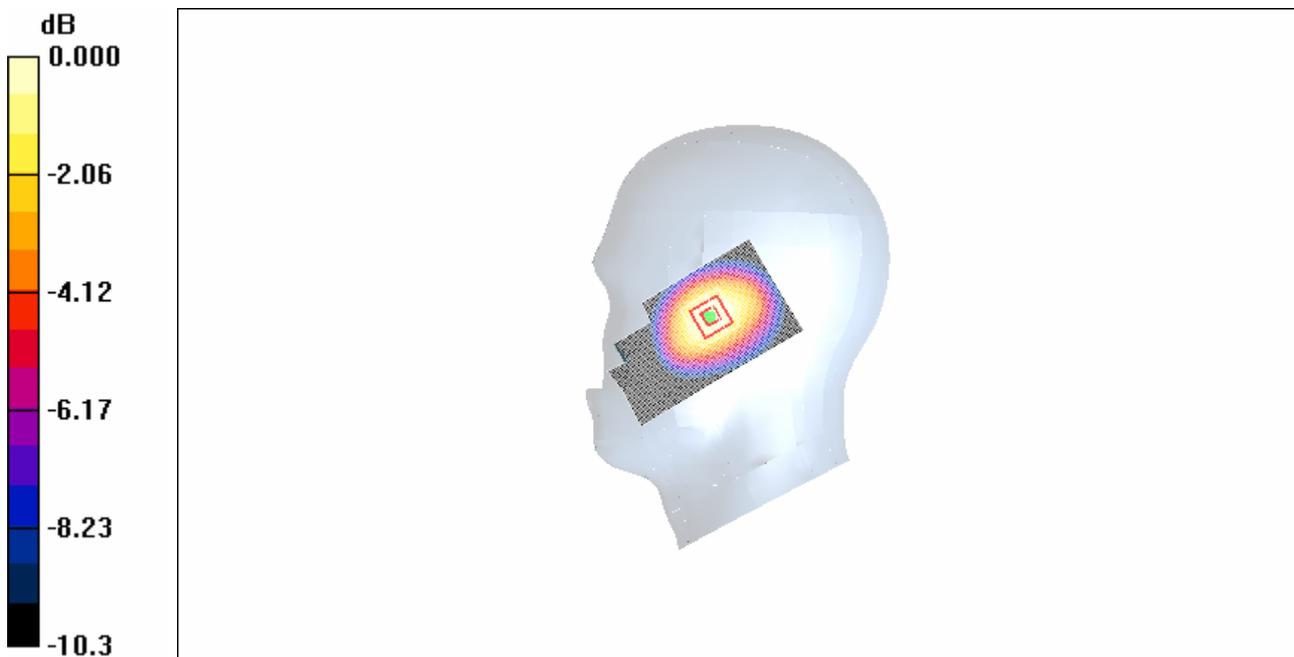
Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.564 mW/g

Maximum value of SAR (measured) = 0.850 mW/g

**Fig.87 Right Hand Touch Cheek 850MHz CH190**