

**1900 Right Tilt Low**

Date/Time: 2008-7-23 11:01:06

Electronics: DAE4 Sn777

Medium: Head 1900 MHz

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

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

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

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) = 0.680 mW/g

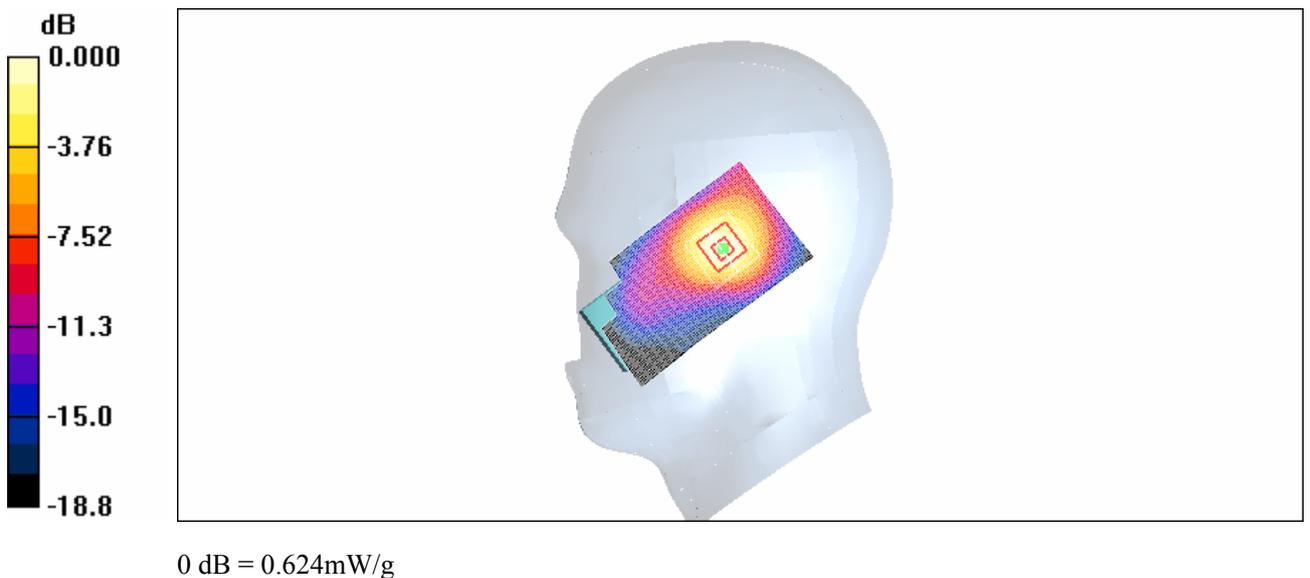
**Tilt Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.982 W/kg

**SAR(1 g) = 0.563 mW/g; SAR(10 g) = 0.308 mW/g**

Maximum value of SAR (measured) = 0.624 mW/g

**Fig. 23 Right Hand Tilt 15°PCS 1900MHz CH512**

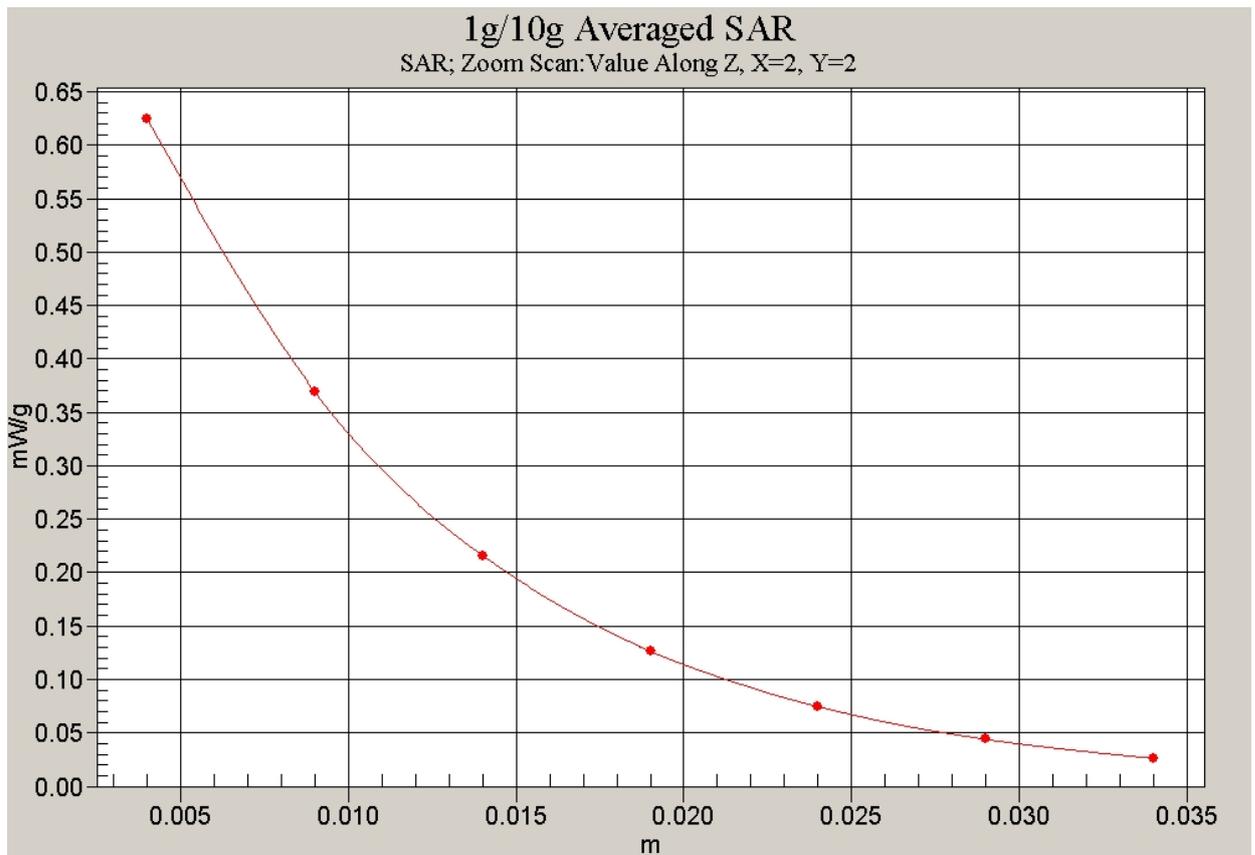


Fig. 24 Z-Scan at power reference point (PCS 1900MHz CH512)

**1900 Body Toward Phantom High with GPRS**

Date/Time: 2008-7-23 14:59:41

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  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 - SN3142 ConvF(4.61, 4.61, 4.61)

**Toward Pantom High/Area Scan (51x91x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.237 mW/g

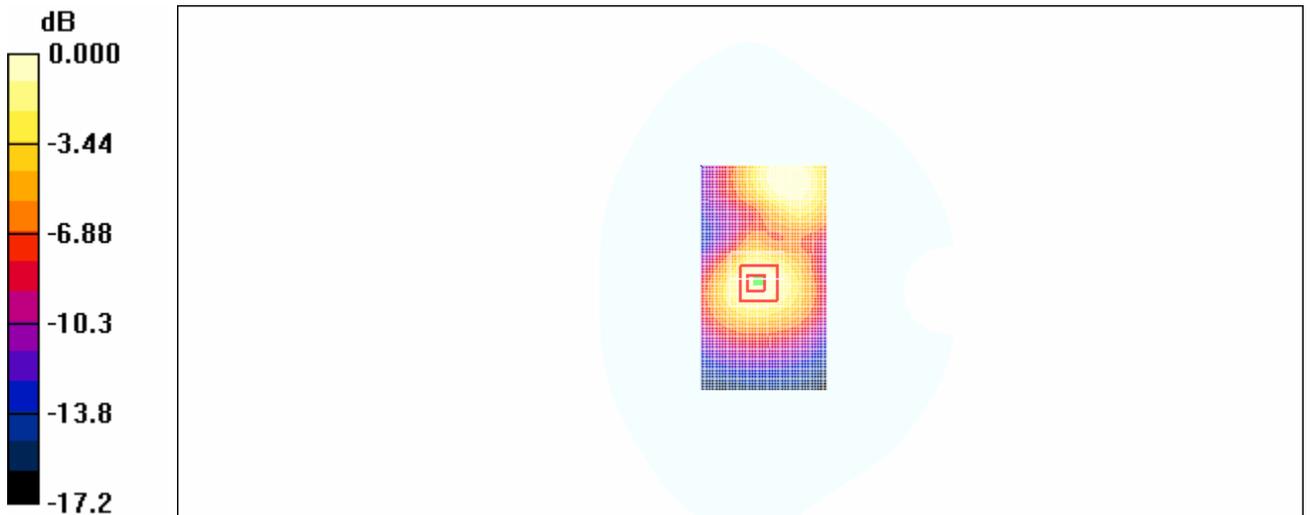
**Toward Pantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.323 W/kg

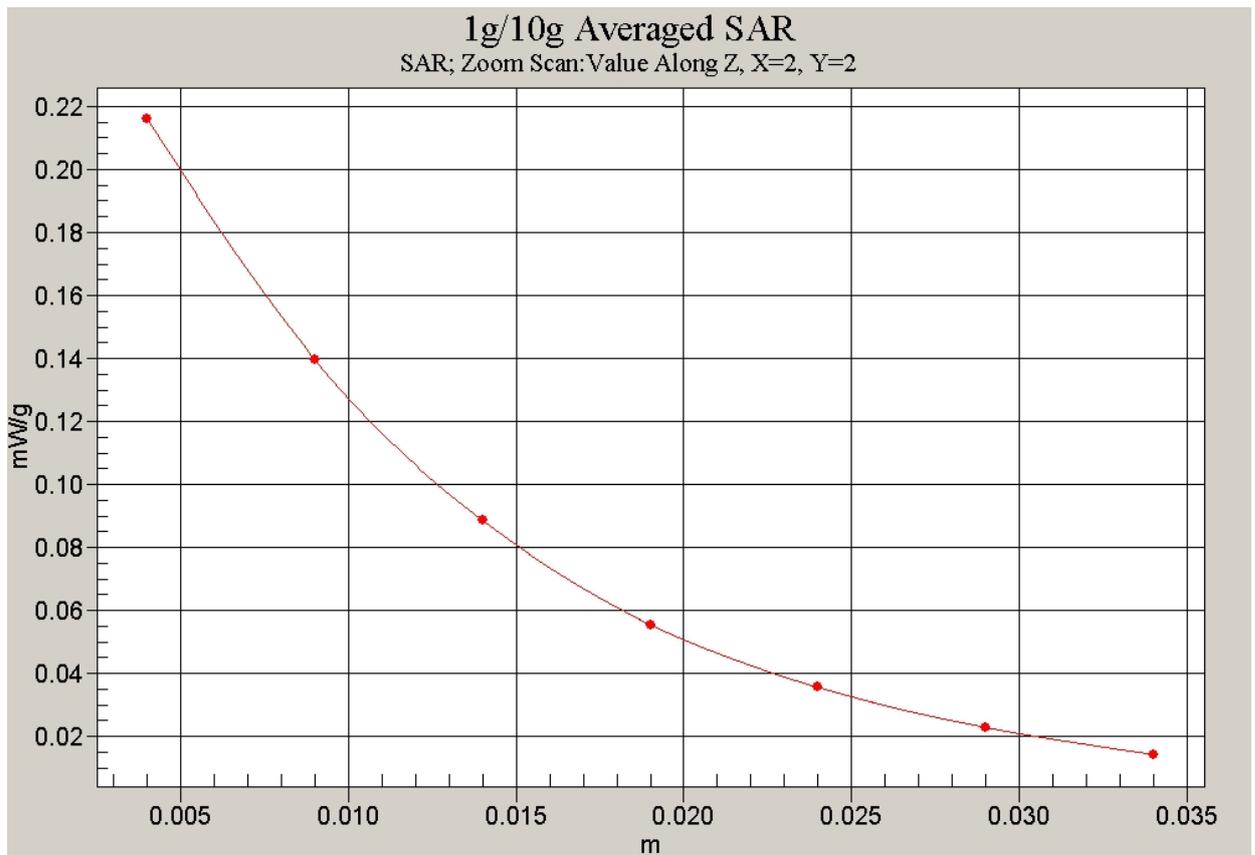
**SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.120 mW/g**

Maximum value of SAR (measured) = 0.216 mW/g



0 dB = 0.216mW/g

**Fig. 25 PCS 1900MHz, Body, Towards Phantom with GPRS, CH810**



**Fig. 26 Z-Scan at power reference point  
(PCS 1900MHz, Body Towards Phantom with GPRS, CH810)**

**1900 Body Toward Phantom Middle with GPRS**

Date/Time: 2008-7-23 15:13:54

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/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 - 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) = 0.267 mW/g

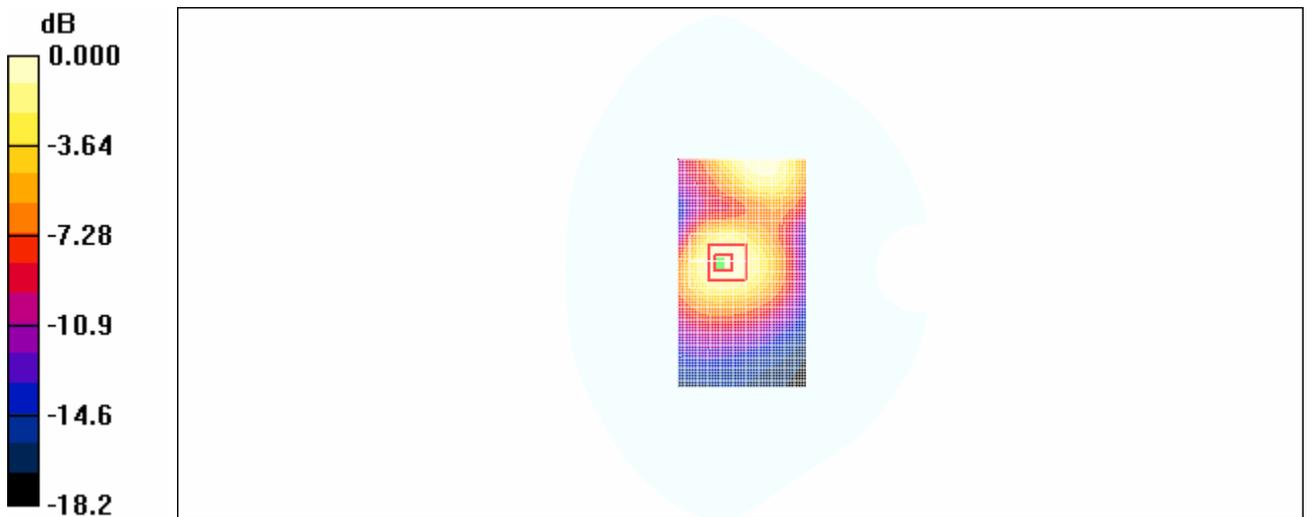
**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.398 W/kg

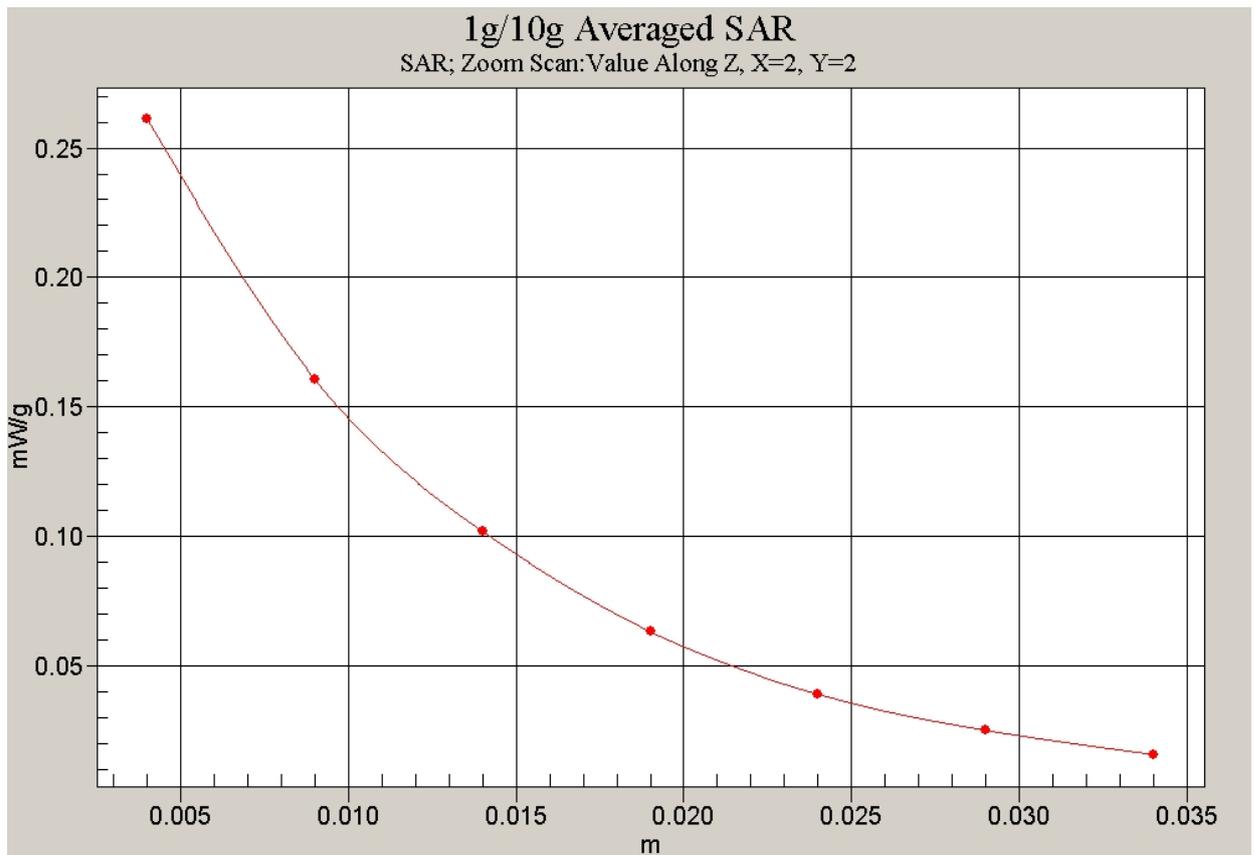
**SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.146 mW/g**

Maximum value of SAR (measured) = 0.261 mW/g



0 dB = 0.261mW/g

**Fig. 27 PCS 1900MHz, Body, Towards Phantom with GPRS, CH661**



**Fig. 28 Z-Scan at power reference point  
(PCS 1900MHz, Body Towards Phantom with GPRS, CH661)**

**1900 Body Toward Phantom Low with GPRS**

Date/Time: 2008-7-23 15:35:10

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  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 - SN3142 ConvF(4.61, 4.61, 4.61)

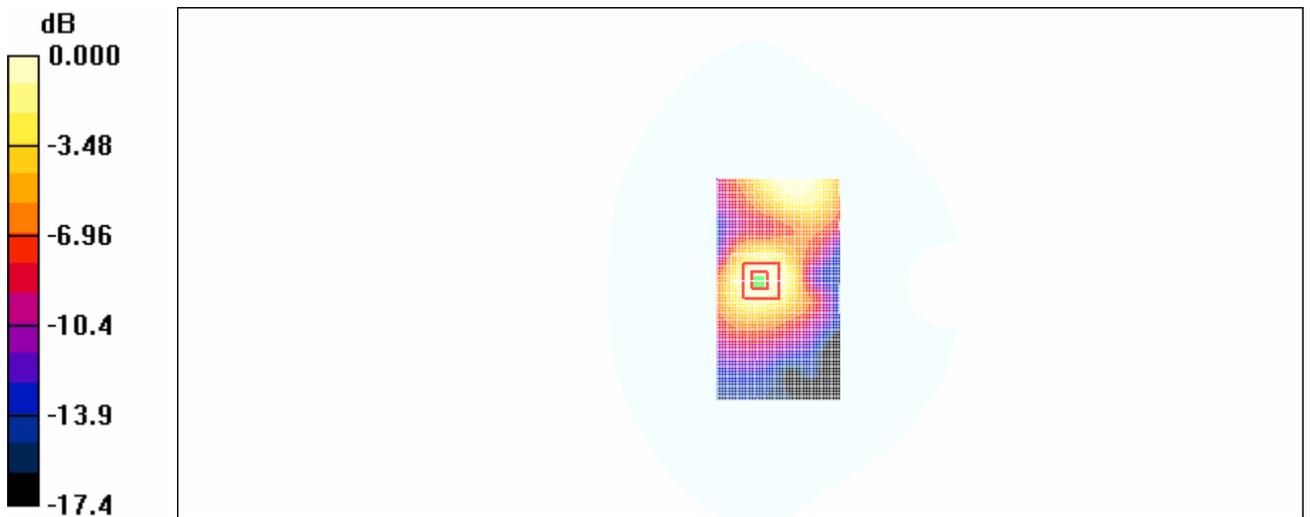
**Toward Phantom Low/Area Scan (51x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.396 mW/g**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.0 V/m; Power Drift = 0.080 dB

Peak SAR (extrapolated) = 0.576 W/kg

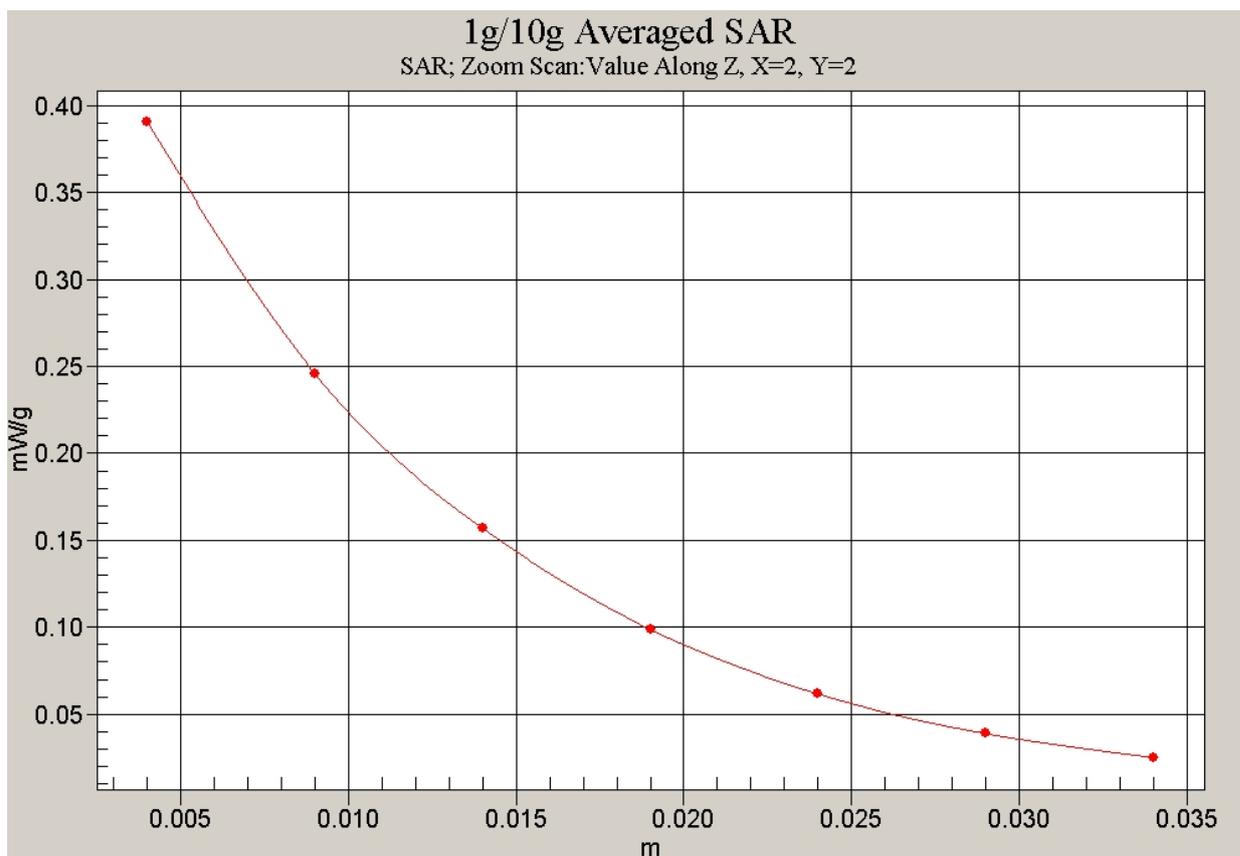
**SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.212 mW/g**

Maximum value of SAR (measured) = 0.390 mW/g



0 dB = 0.390mW/g

**Fig. 29 PCS 1900MHz, Body, Towards Phantom with GPRS, CH512**



**Fig. 30 Z-Scan at power reference point  
(PCS 1900MHz, Body Towards Phantom with GPRS, CH512)**

**1900 Body Toward Ground High with GPRS**

Date/Time: 2008-7-23 15:49:46

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  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 - SN3142 ConvF(4.61, 4.61, 4.61)

**Toward Ground High/Area Scan (51x91x1):** Measurement grid: dx=105mm, dy=10mm  
 Maximum value of SAR (interpolated) = 0.532 mW/g

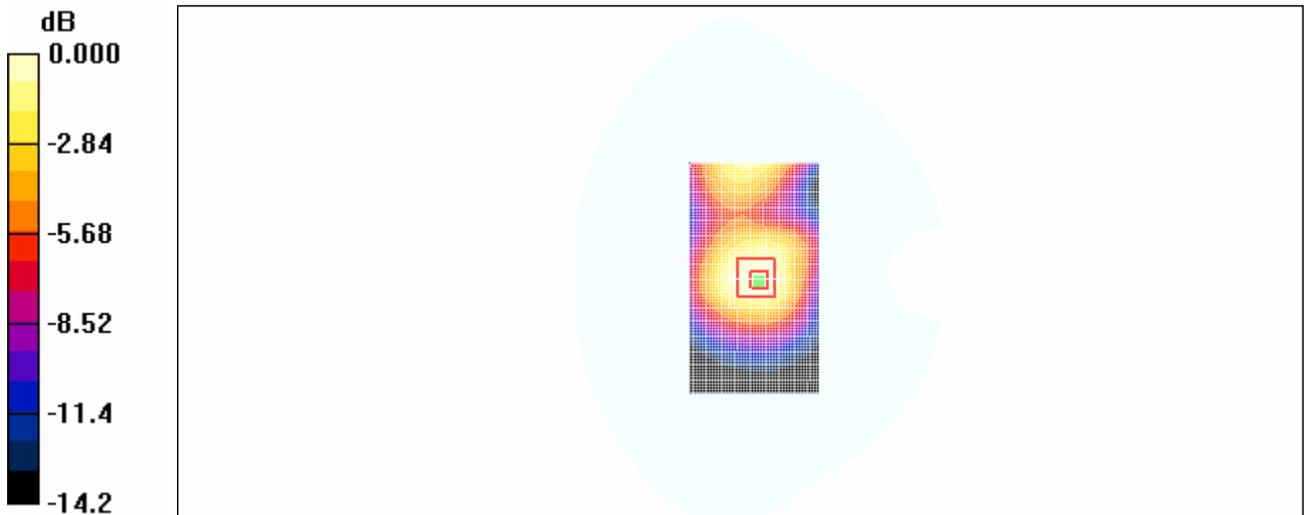
**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.5 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.721 W/kg

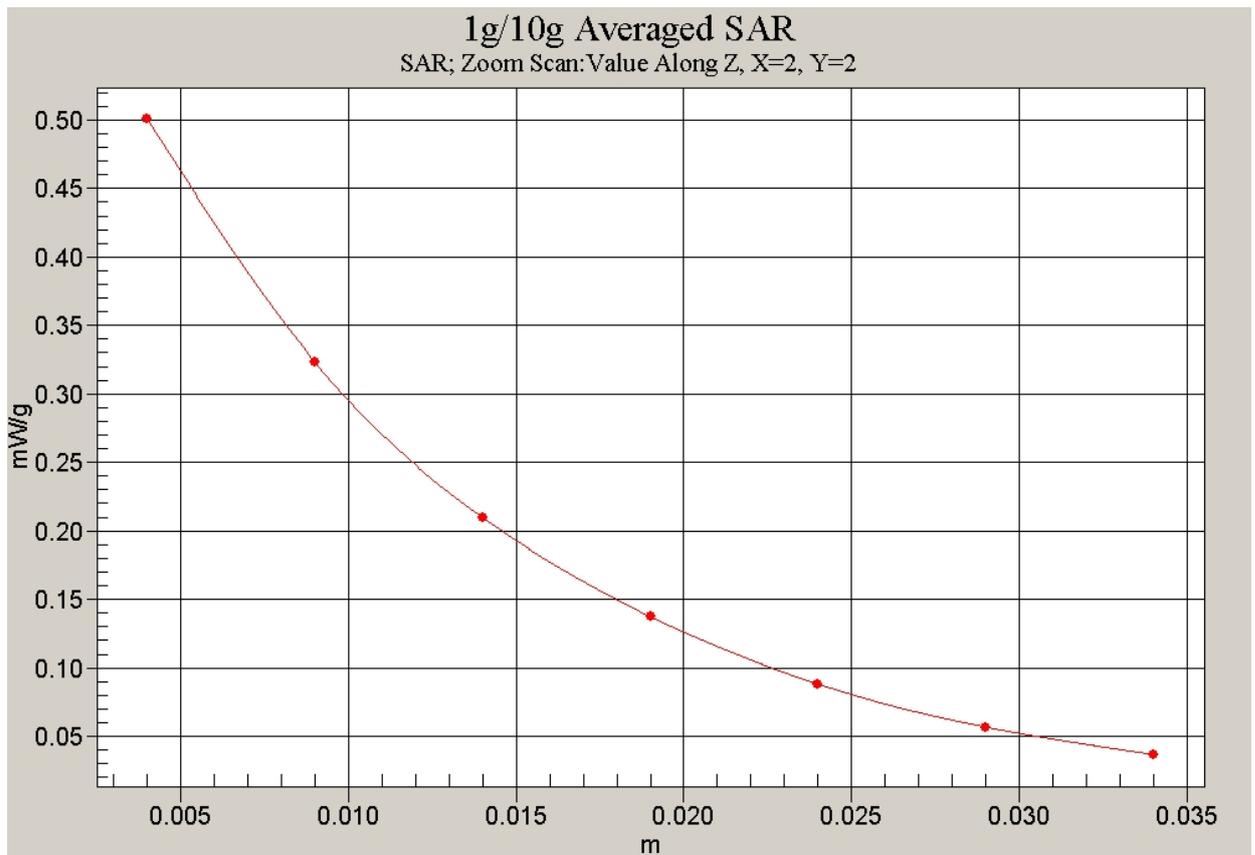
**SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.291 mW/g**

Maximum value of SAR (measured) = 0.501 mW/g



0 dB = 0.501mW/g

**Fig. 31 PCS 1900MHz, Body, Towards Ground with GPRS, CH810**



**Fig. 32 Z-Scan at power reference point  
(PCS 1900MHz, Body Towards Ground with GPRS, CH810)**

**1900 Body Toward Ground Middle with GPRS**

Date/Time: 2008-7-23 16:13:05

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/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 - 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) = 0.546 mW/g

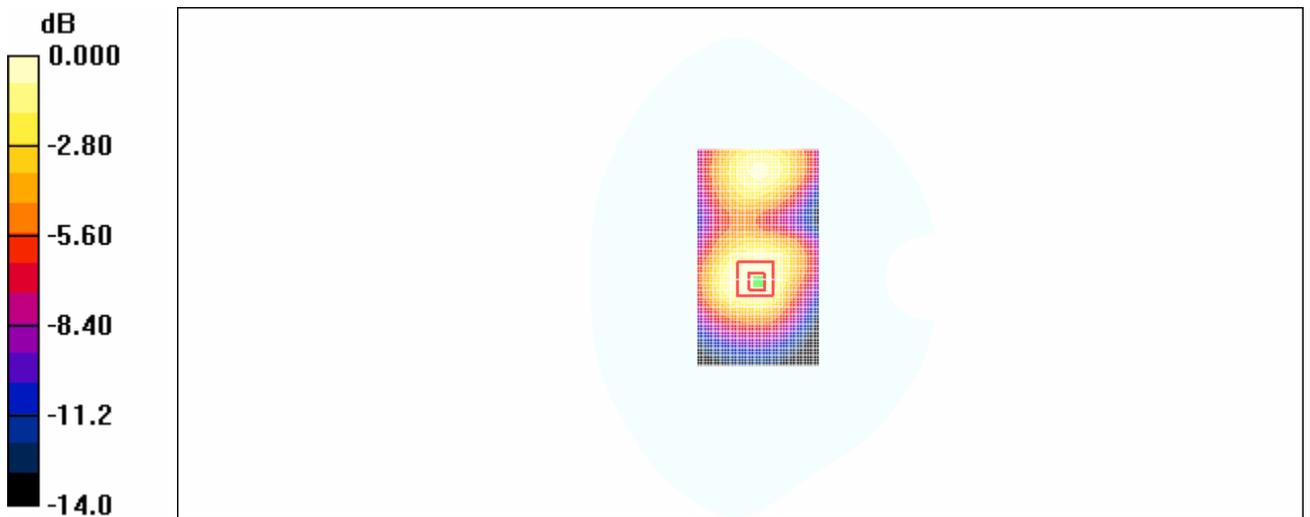
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.0 V/m; Power Drift = -0.092 dB

Peak SAR (extrapolated) = 0.745 W/kg

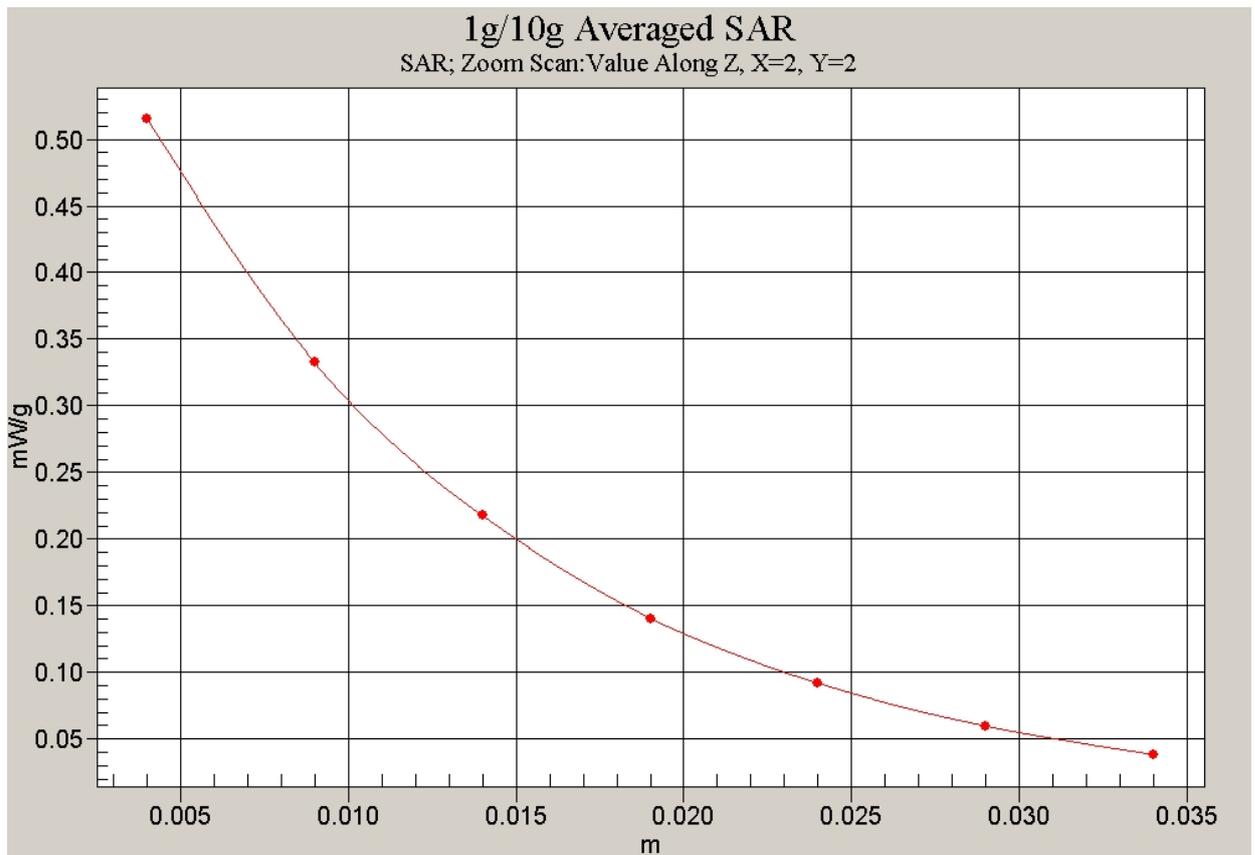
**SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.303 mW/g**

Maximum value of SAR (measured) = 0.515 mW/g



0 dB = 0.515mW/g

**Fig. 33 PCS 1900MHz, Body, Towards Ground with GPRS, CH661**



**Fig. 34 Z-Scan at power reference point  
(PCS 1900MHz, Body Towards Ground with GPRS, CH661)**

**1900 Body Toward Ground Low with GPRS**

Date/Time: 2008-7-23 16:25:42

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  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 - SN3142 ConvF(4.61, 4.61, 4.61)

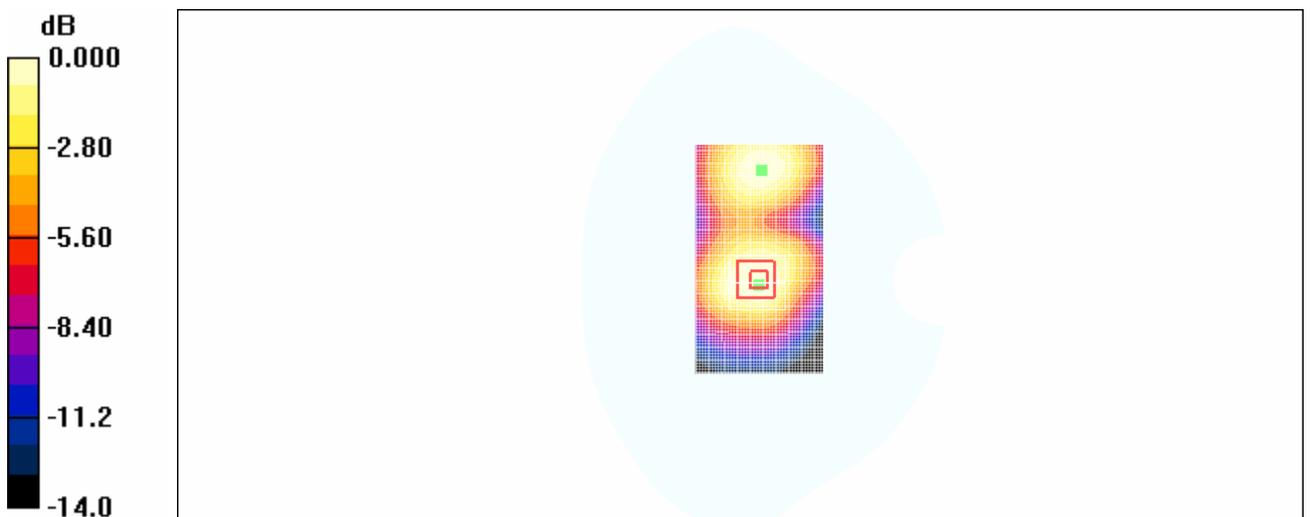
**Toward Ground Low/Area Scan (51x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.643 mW/g**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.7 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.867 W/kg

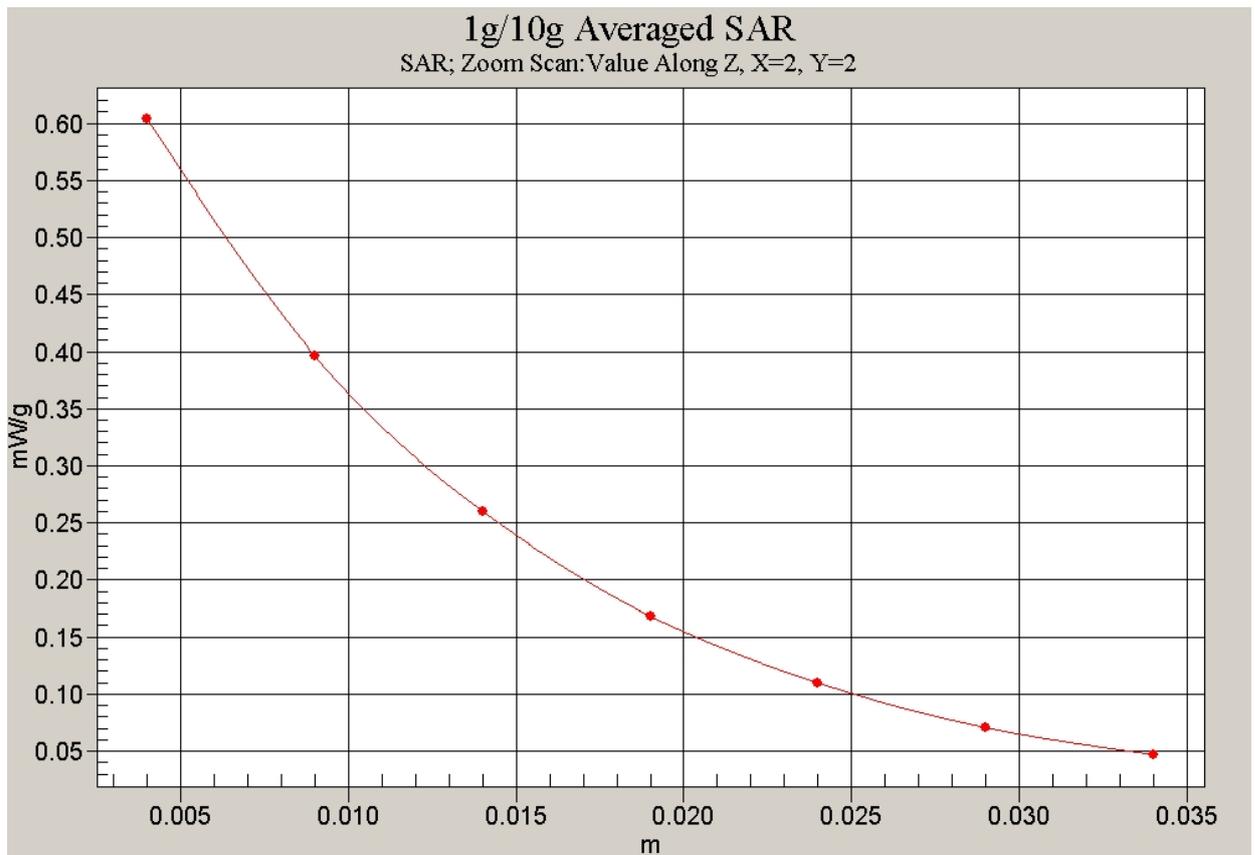
**SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.362 mW/g**

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



0 dB = 0.604mW/g

**Fig. 35 PCS 1900MHz, Body, Towards Ground with GPRS, CH512**



**Fig. 36 Z-Scan at power reference point  
(PCS 1900MHz, Body Towards Ground with GPRS, CH512)**

**1900 Body Toward Ground Low with EGPRS**

Date/Time: 2008-7-23 16:42:09

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  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 - SN3142 ConvF(4.61, 4.61, 4.61)

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

Maximum value of SAR (interpolated) = 0.221 mW/g

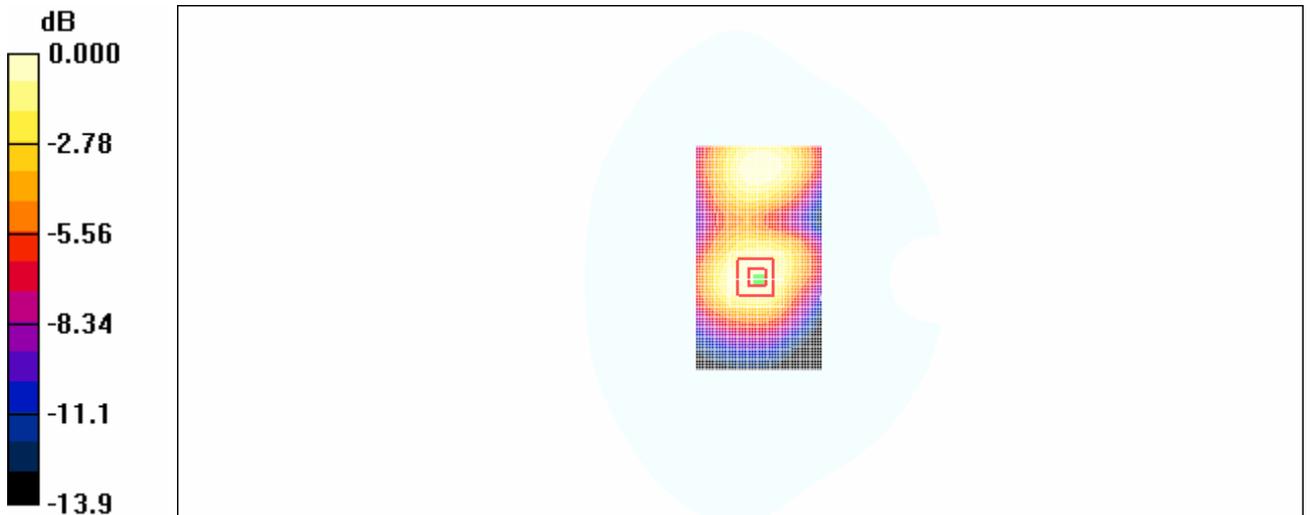
**Toward Ground Low With EDGE/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 0.306 W/kg

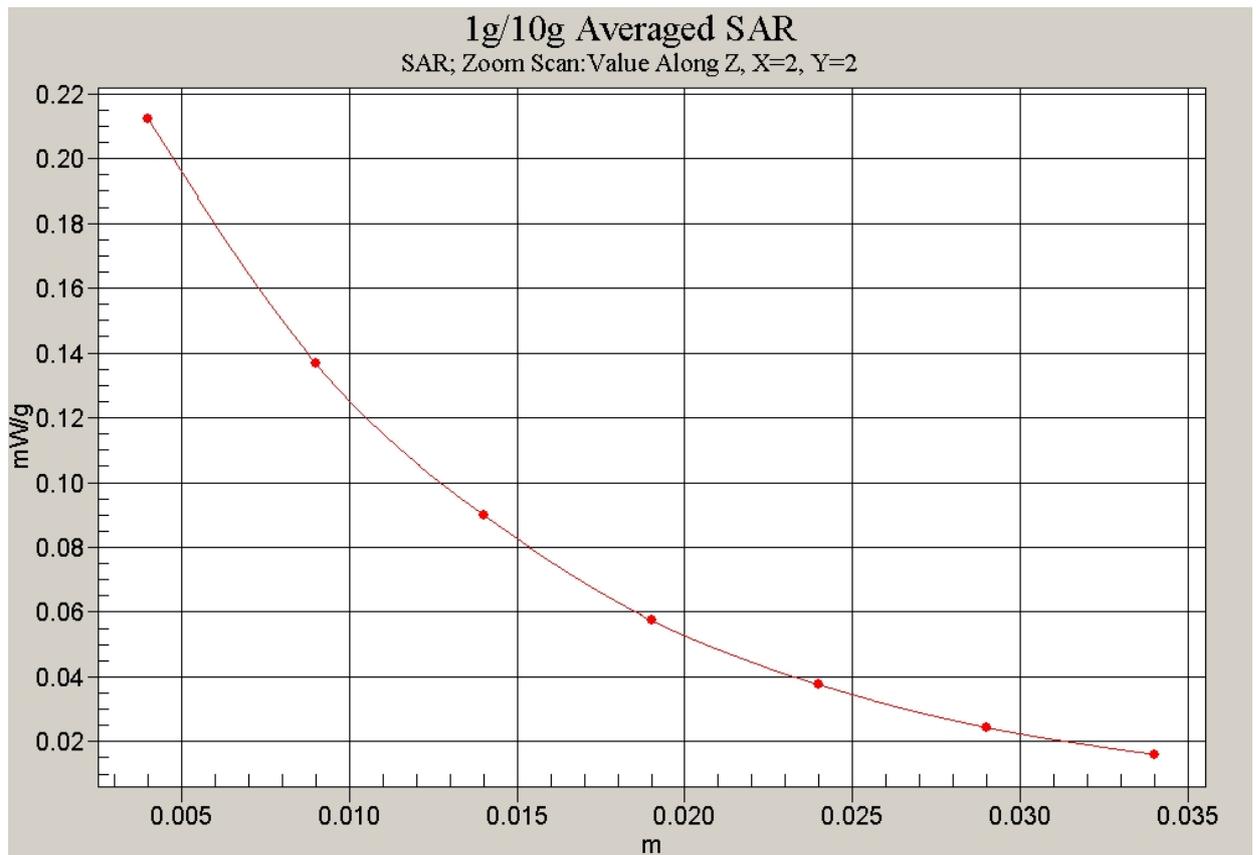
**SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.126 mW/g**

Maximum value of SAR (measured) = 0.212 mW/g



0 dB = 0.212mW/g

**Fig. 37 PCS 1900MHz, Body, Towards Ground with EGPRS, CH512**



**Fig. 38 Z-Scan at power reference point  
(PCS 1900MHz, Body Towards Ground with EGPRS, CH512)**

**1900 Body Toward Ground Low with Bluetooth Function**

Date/Time: 2008-7-23 17:01:51

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

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

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

Maximum value of SAR (interpolated) = 0.344 mW/g

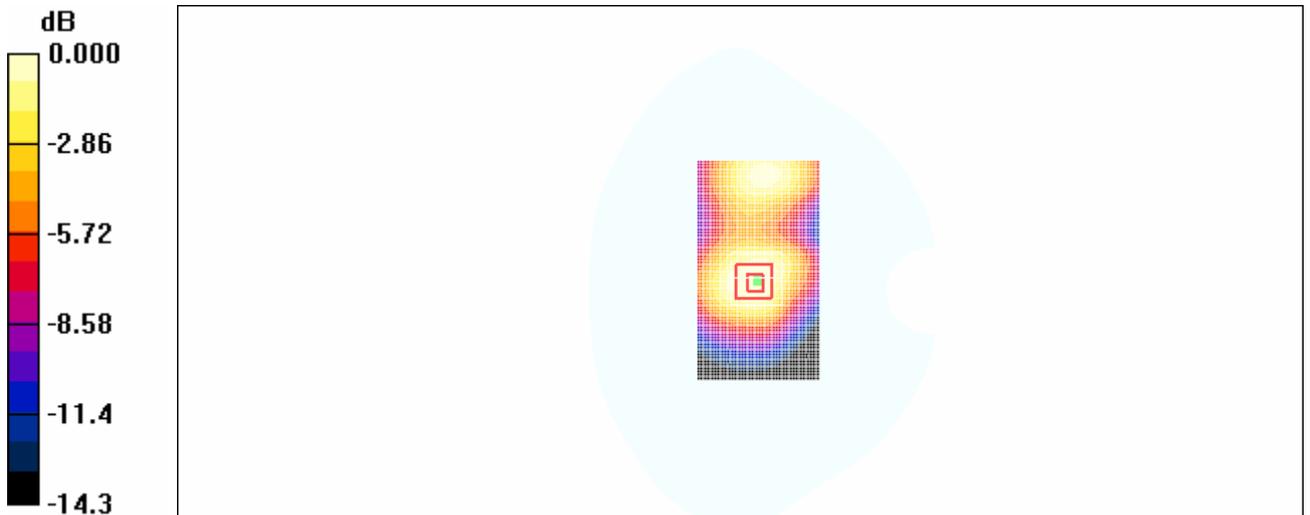
**Toward Ground Low for BT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

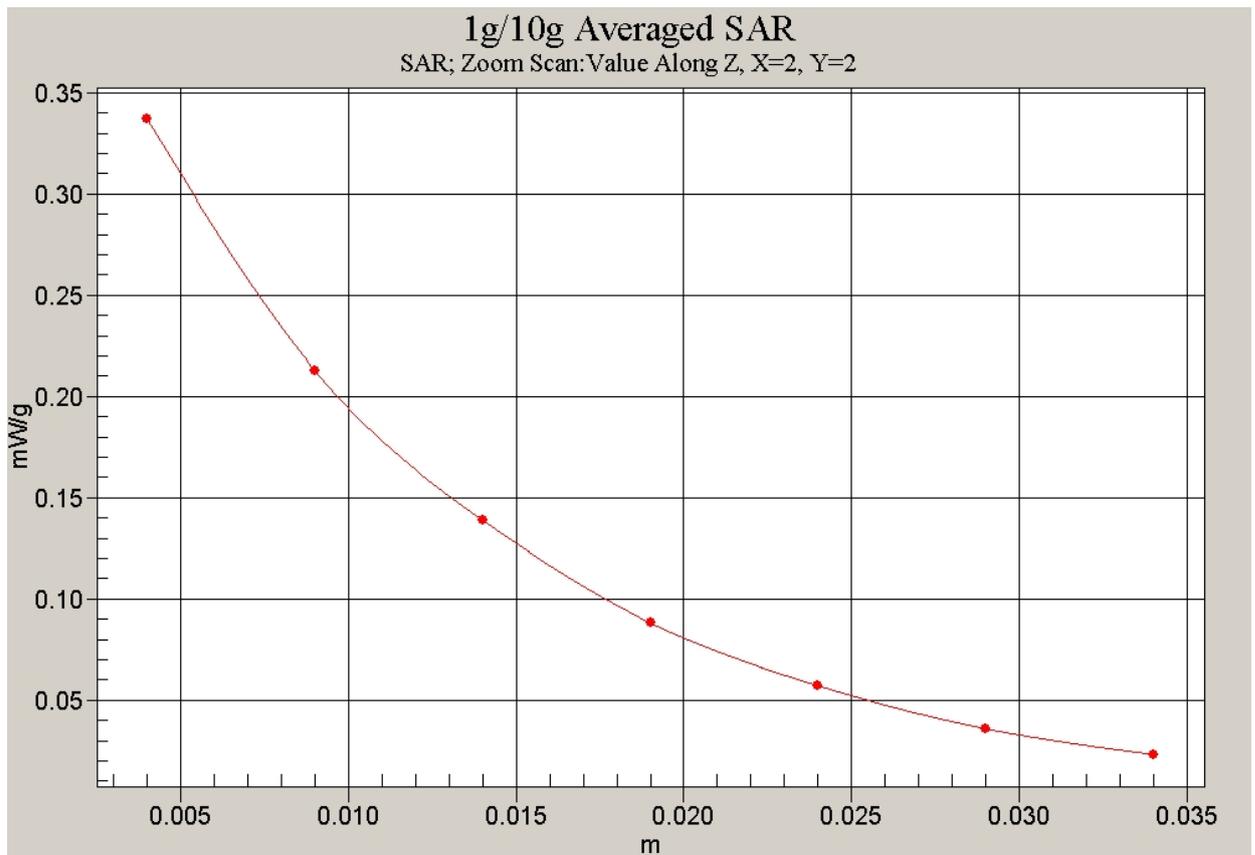
Reference Value = 15.3 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.492 W/kg

**SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.200 mW/g**

Maximum value of SAR (measured) = 0.337 mW/g

**Fig. 39 PCS 1900MHz, Body, Towards Ground with Bluetooth, CH512**



**Fig. 40 Z-Scan at power reference point  
(PCS 1900MHz, Body Towards Ground with Bluetooth, CH512)**

**1900 Body Toward Ground Low with Headset**

Date/Time: 2008-7-23 17:34:22

Electronics: DAE4 Sn777

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

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

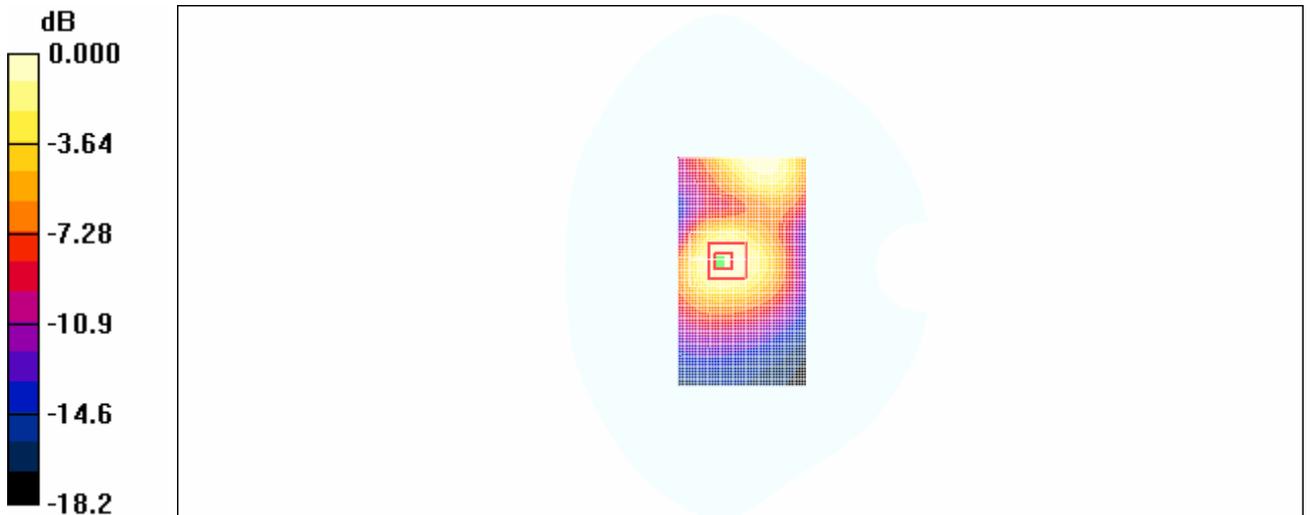
**Toward Ground Low /Area Scan (51x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.268 mW/g**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = -0.068 dB

Peak SAR (extrapolated) = 0.391 W/kg

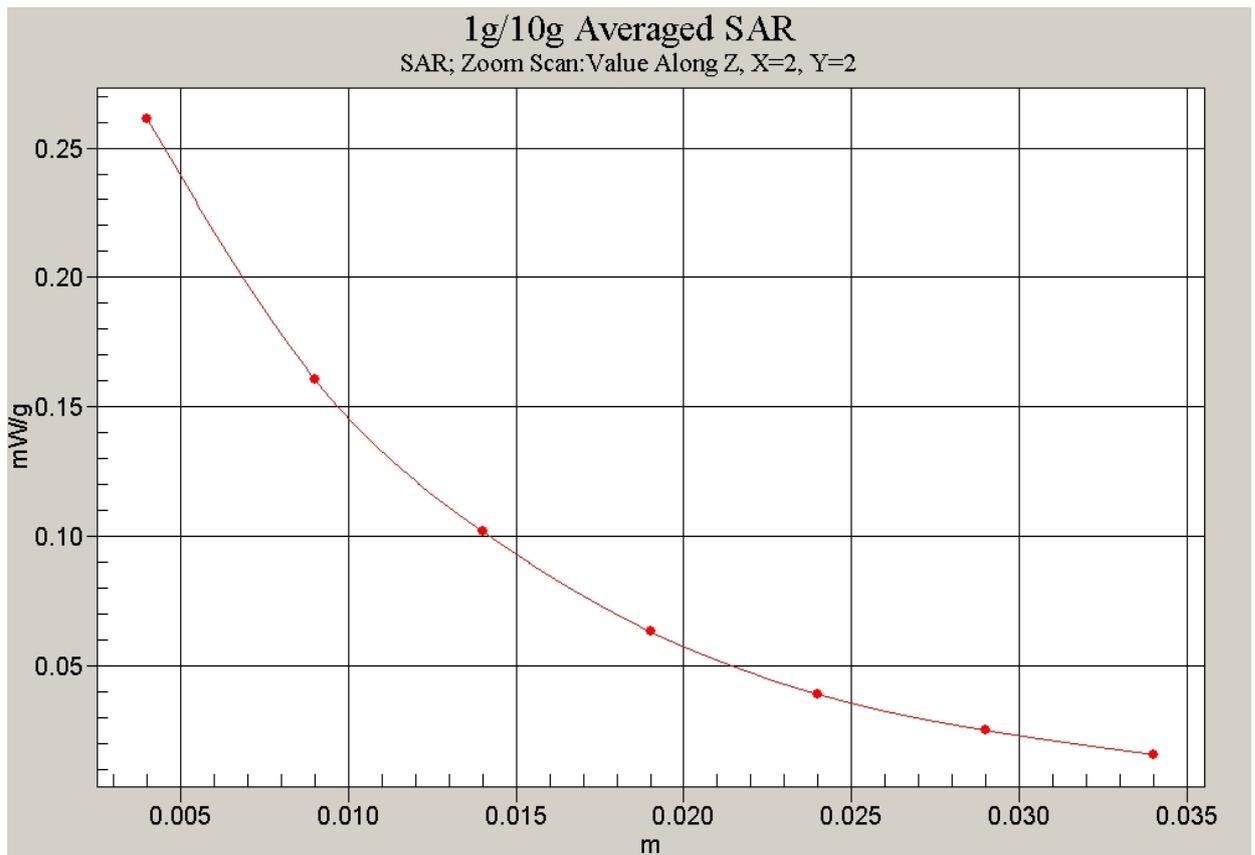
**SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.145 mW/g**

Maximum value of SAR (measured) = 0.262 mW/g



0 dB = 0.262mW/g

**Fig. 41 PCS 1900MHz, Body, Towards Ground with Headset, CH512**



**Fig. 42 Z-Scan at power reference point  
(PCS 1900MHz, Body Towards Ground with Headset, CH512)**