

Fig. 194 Z-Scan at power reference point (850 MHz CH190) – Slide up

**850 Right Tilt Low – Slide up**

Date/Time: 2009-2-8 20:27:16

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)

**Tilt Low/Area Scan (51x101x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) =  $0.298 \text{ mW/g}$

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

Reference Value =  $13.7 \text{ V/m}$ ; Power Drift =  $0.090 \text{ dB}$

Peak SAR (extrapolated) =  $0.365 \text{ W/kg}$

**SAR(1 g) =  $0.283 \text{ mW/g}$ ; SAR(10 g) =  $0.207 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.298 \text{ mW/g}$



0 dB =  $0.298\text{mW/g}$

**Fig.195 850 MHz CH128 – Slide up**

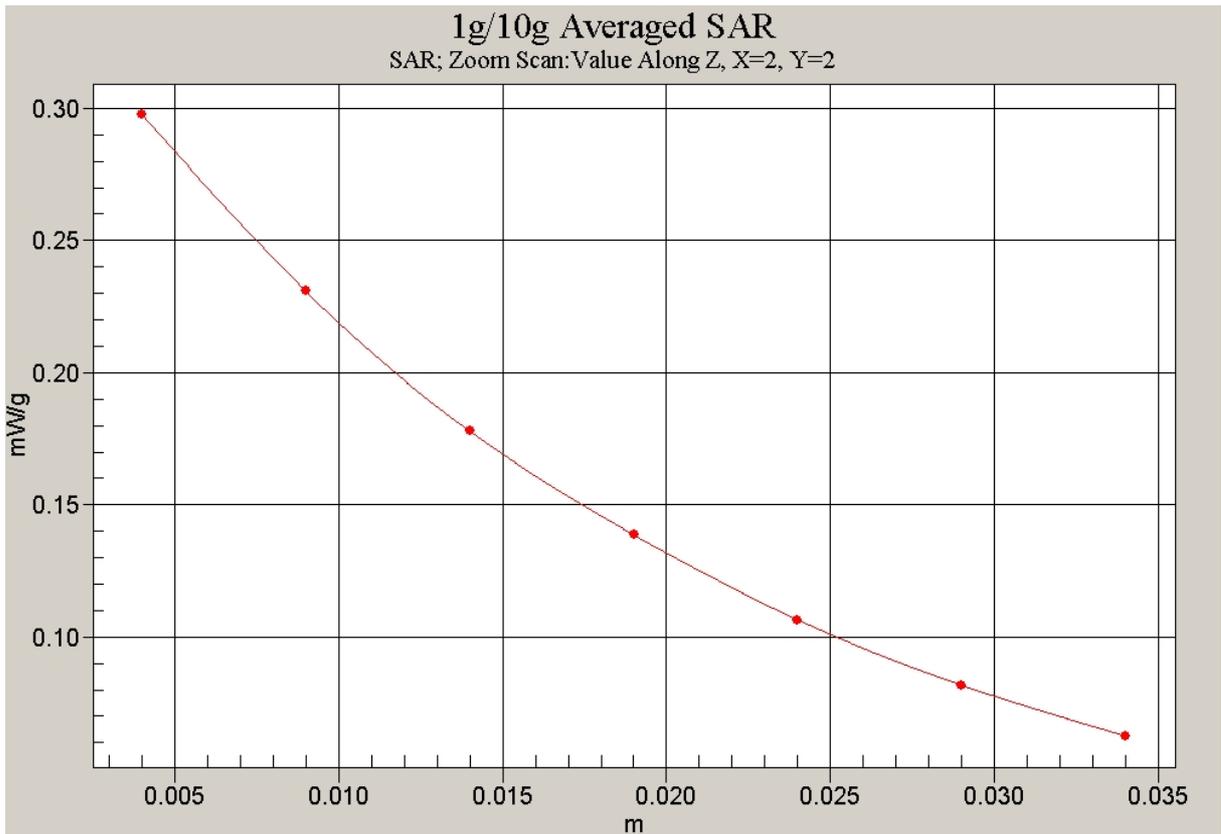


Fig. 196 Z-Scan at power reference point (850 MHz CH128) – Slide up

**850 Body Towards Ground High with GPRS – Slide down**

Date/Time: 2009-2-8 20:48:24

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)

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

Maximum value of SAR (interpolated) = 0.375 mW/g

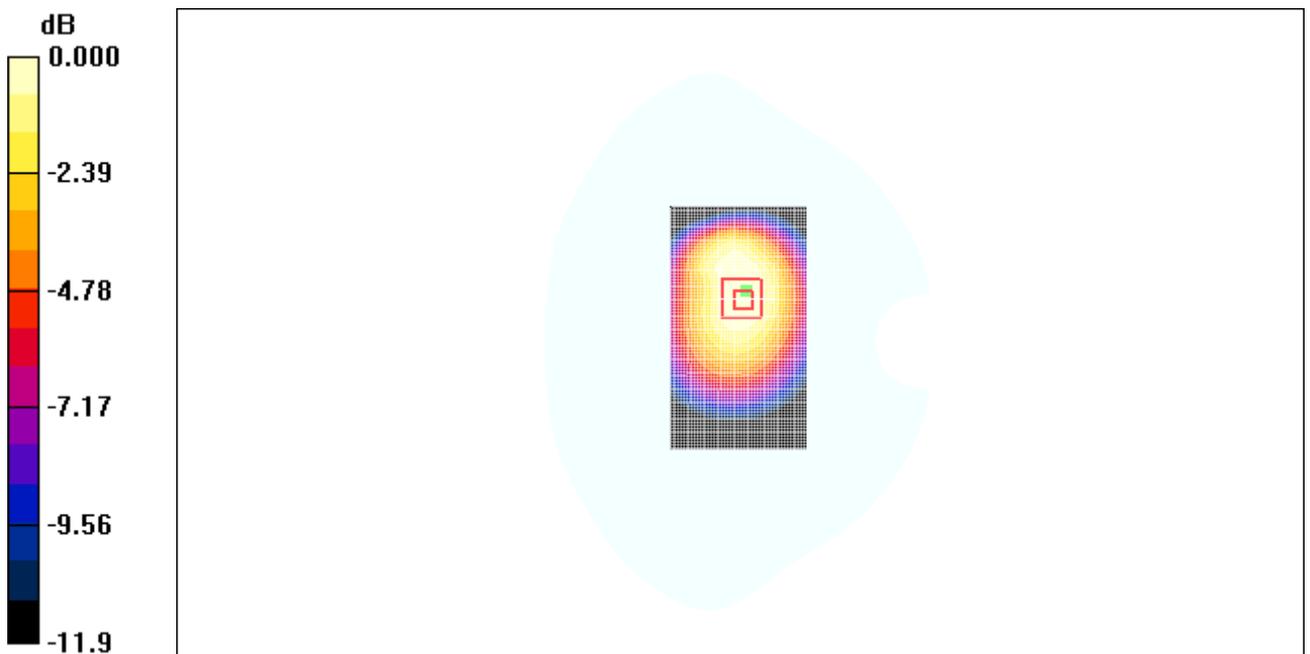
**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.482 W/kg

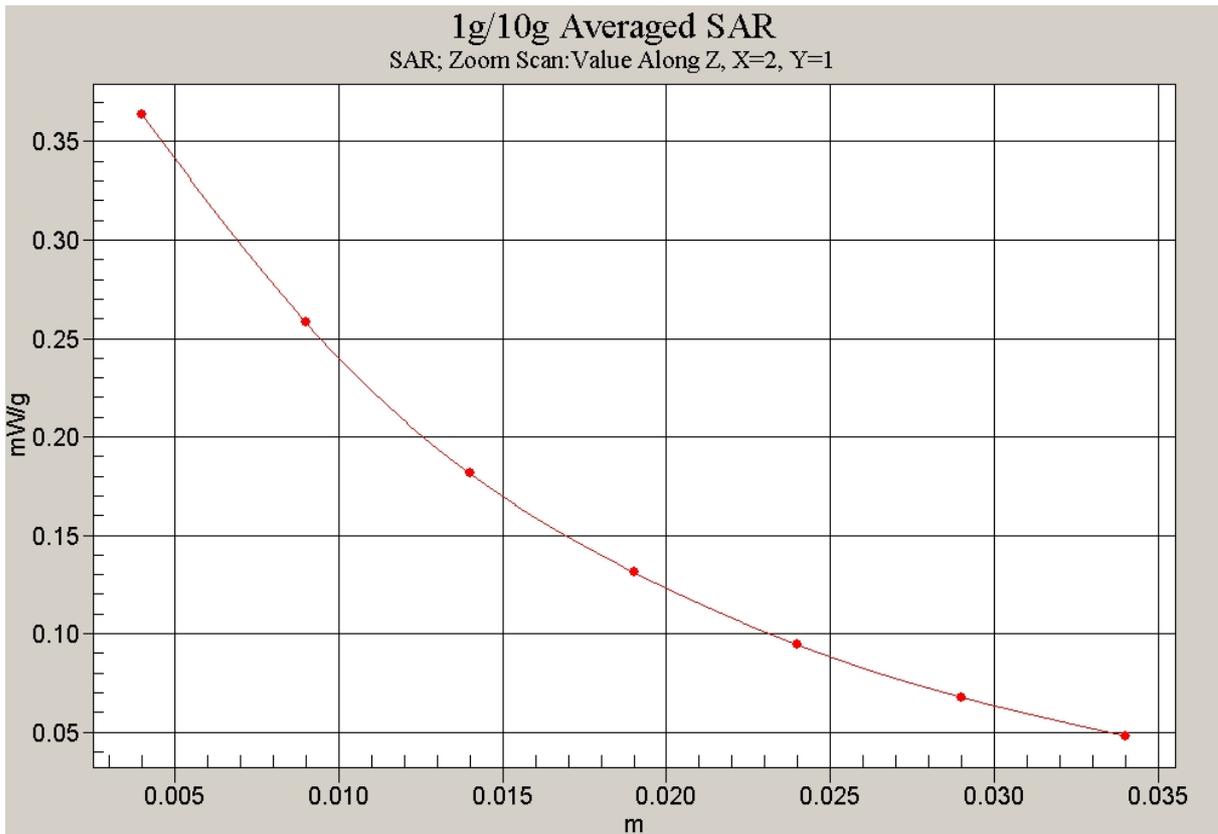
**SAR(1 g) = 0.343 mW/g; SAR(10 g) = 0.234 mW/g**

Maximum value of SAR (measured) = 0.364 mW/g



0 dB = 0.364mW/g

**Fig. 197 850 MHz CH251 – Slide down**



**Fig. 198 Z-Scan at power reference point (850 MHz CH251) – Slide down**

**850 Body Towards Ground Middle with GPRS – Slide down**

Date/Time: 2009-2-8 21:01:49

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)

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

Maximum value of SAR (interpolated) = 0.394 mW/g

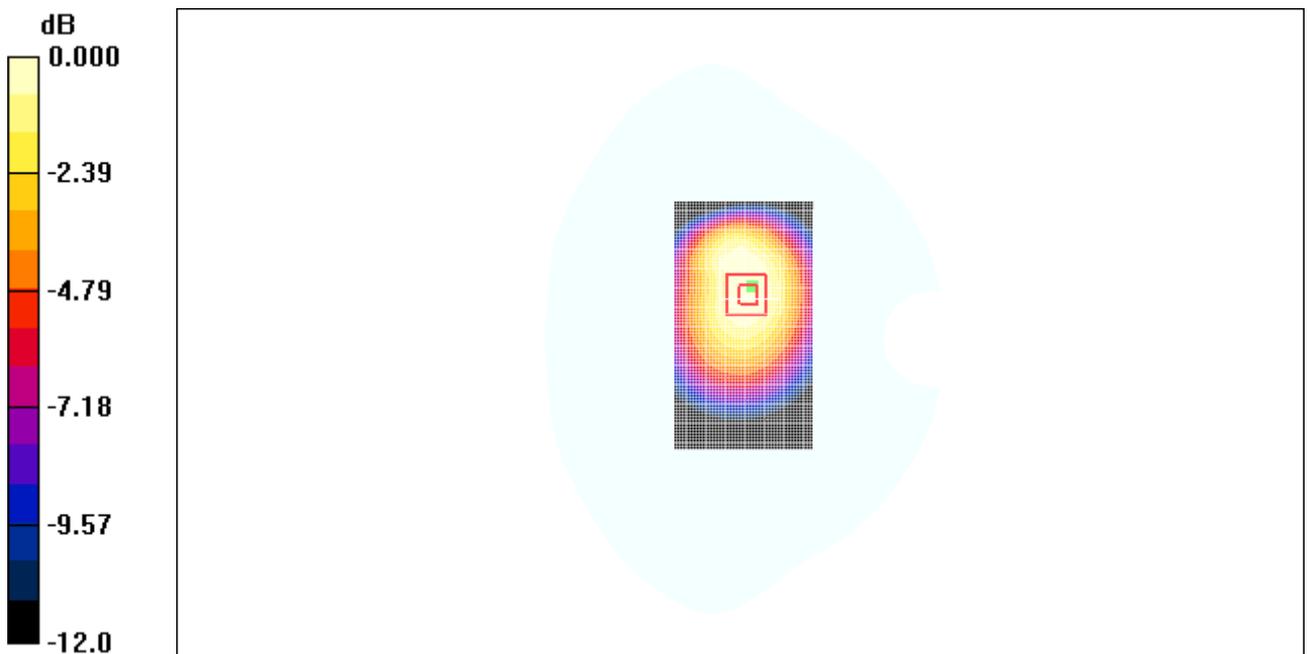
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.8 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.512 W/kg

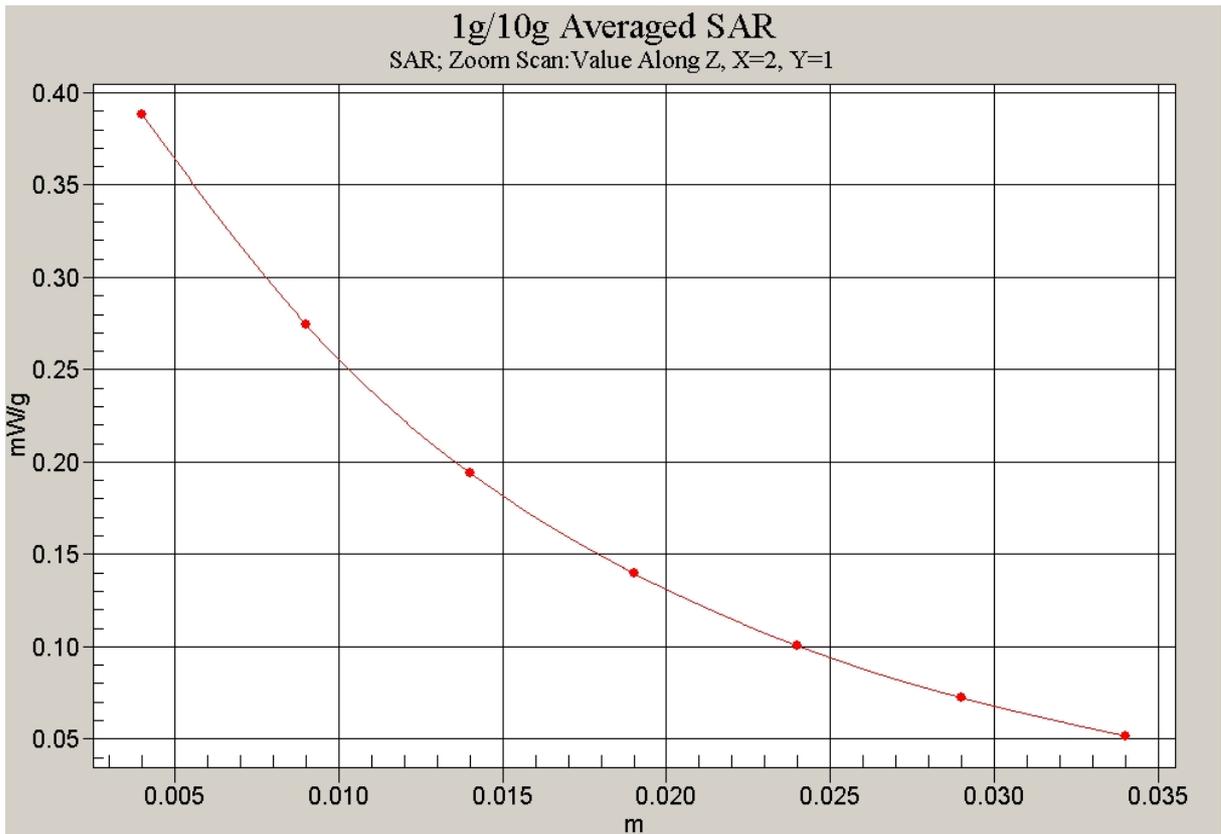
**SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.251 mW/g**

Maximum value of SAR (measured) = 0.388 mW/g



0 dB = 0.388mW/g

**Fig. 199 850 MHz CH190 – Slide down**



**Fig. 200 Z-Scan at power reference point (850 MHz CH190) – Slide down**

**850 Body Towards Ground Low with GPRS – Slide down**

Date/Time: 2009-2-8 21:14:34

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)

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

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

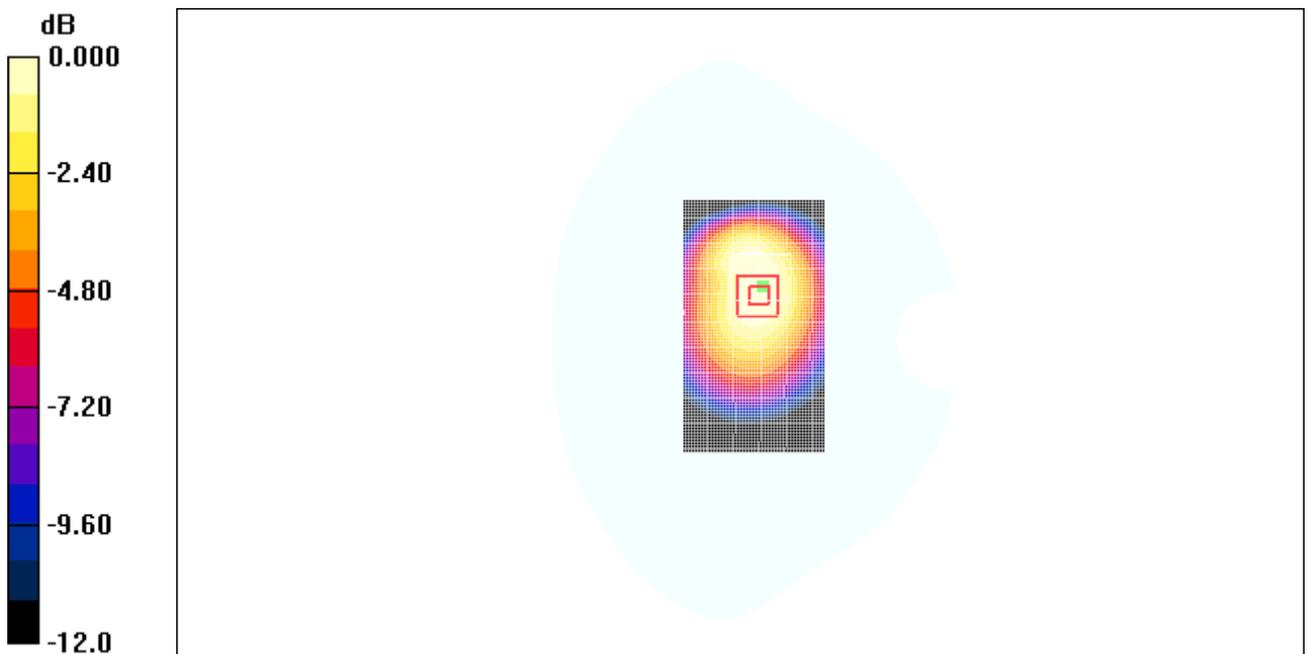
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.616 W/kg

**SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.290 mW/g**

Maximum value of SAR (measured) = 0.466 mW/g



0 dB = 0.466mW/g

**Fig. 201 850 MHz CH128 – Slide down**

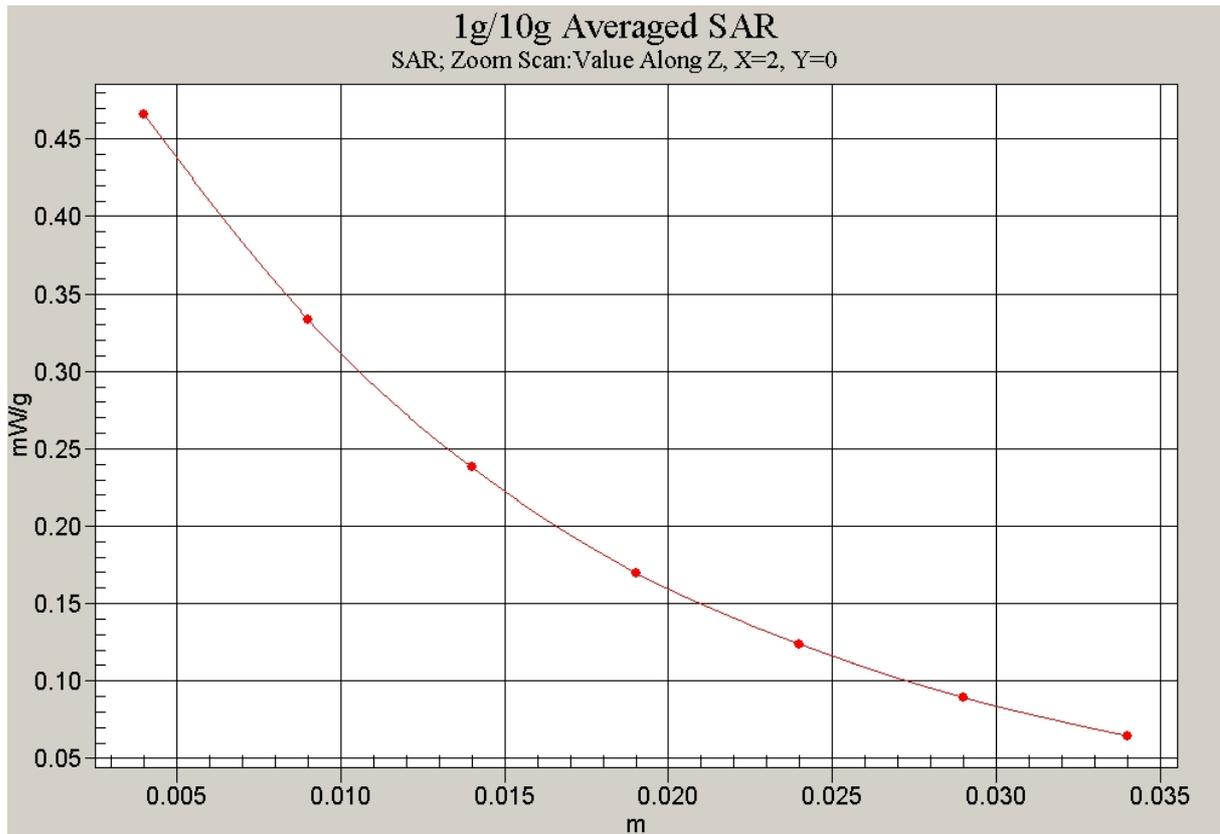


Fig. 202 Z-Scan at power reference point (850 MHz CH128) – Slide down

**850 Body Towards Phantom High with GPRS – Slide down**

Date/Time: 2009-2-8 21:27:34

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)

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

Maximum value of SAR (interpolated) = 0.137 mW/g

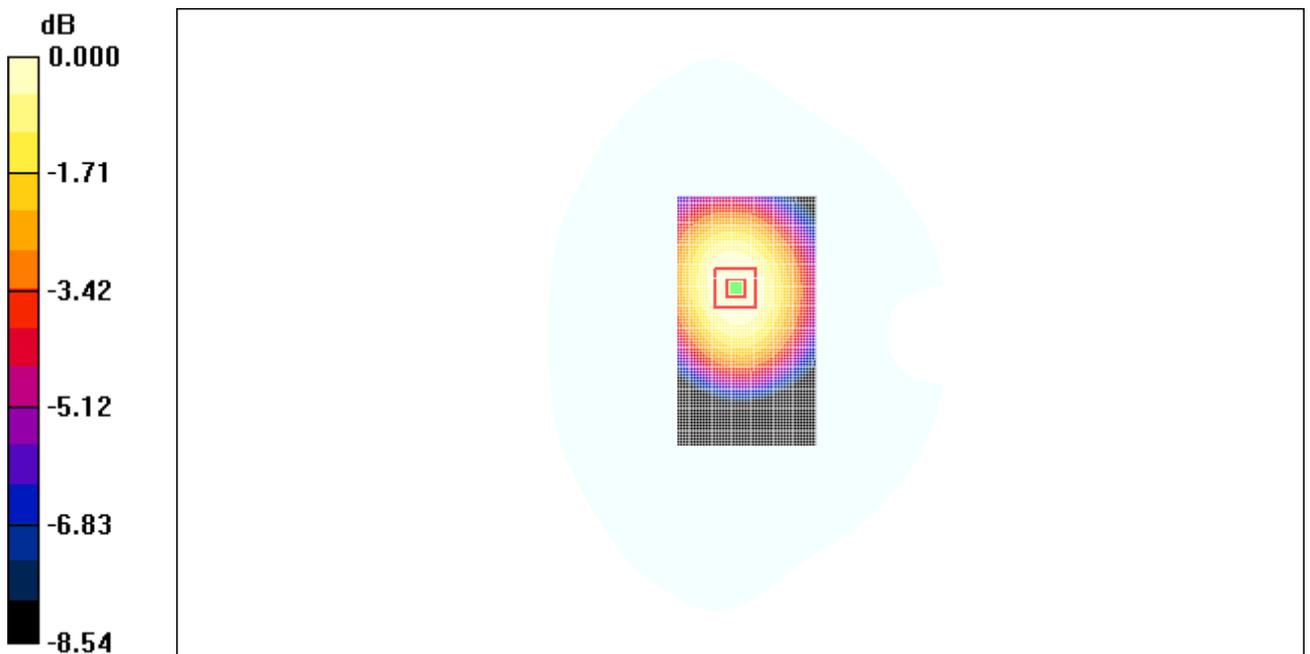
**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.166 W/kg

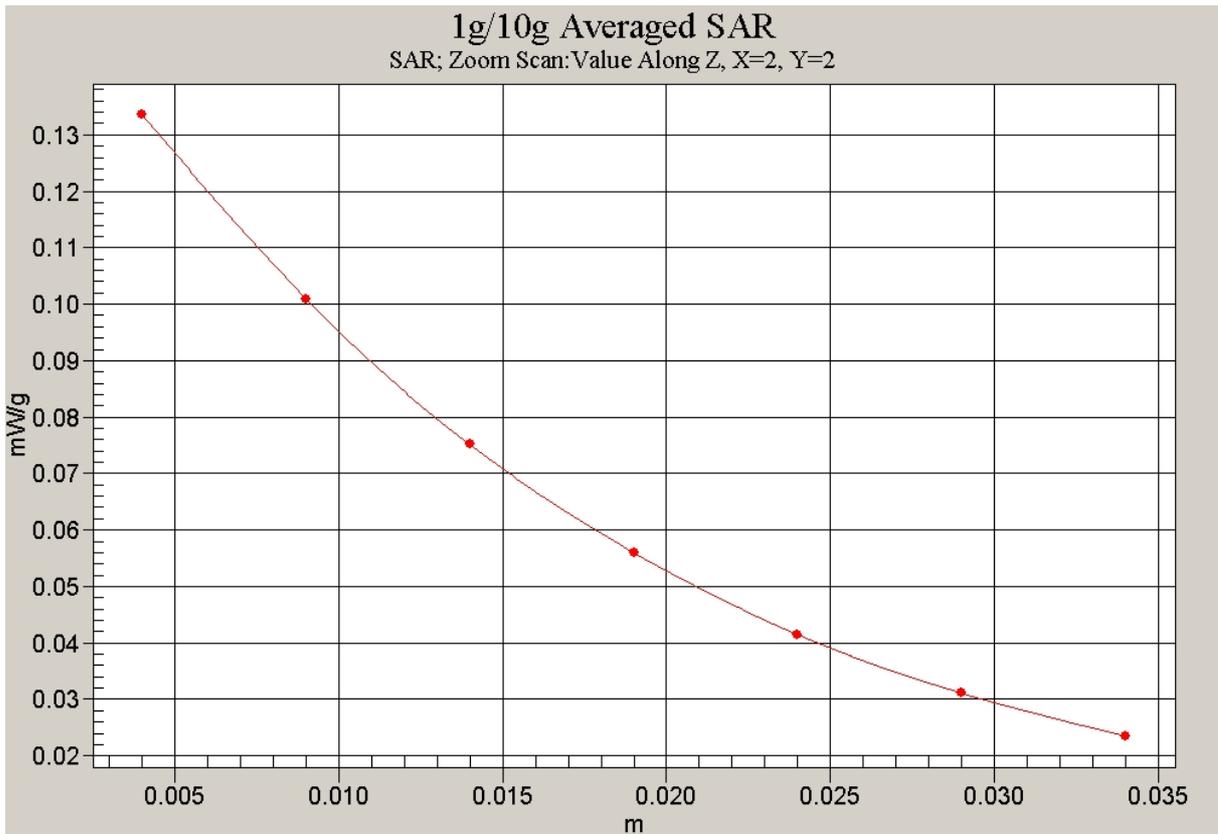
**SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.095 mW/g**

Maximum value of SAR (measured) = 0.134 mW/g



0 dB = 0.134mW/g

**Fig. 203 850 MHz CH251 – Slide down**



**Fig. 204 Z-Scan at power reference point (850 MHz CH251) – Slide down**

**850 Body Towards Phantom Middle with GPRS – Slide down**

Date/Time: 2009-2-8 21:40:18

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)

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

Maximum value of SAR (interpolated) = 0.153 mW/g

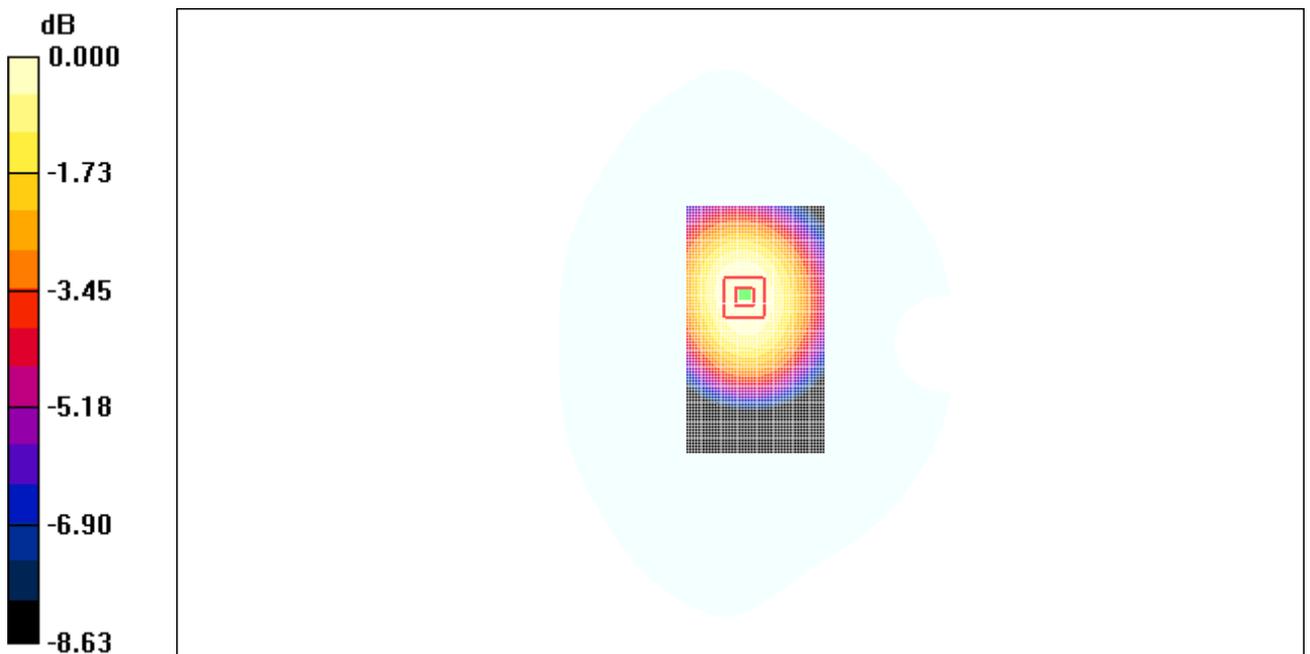
**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.181 W/kg

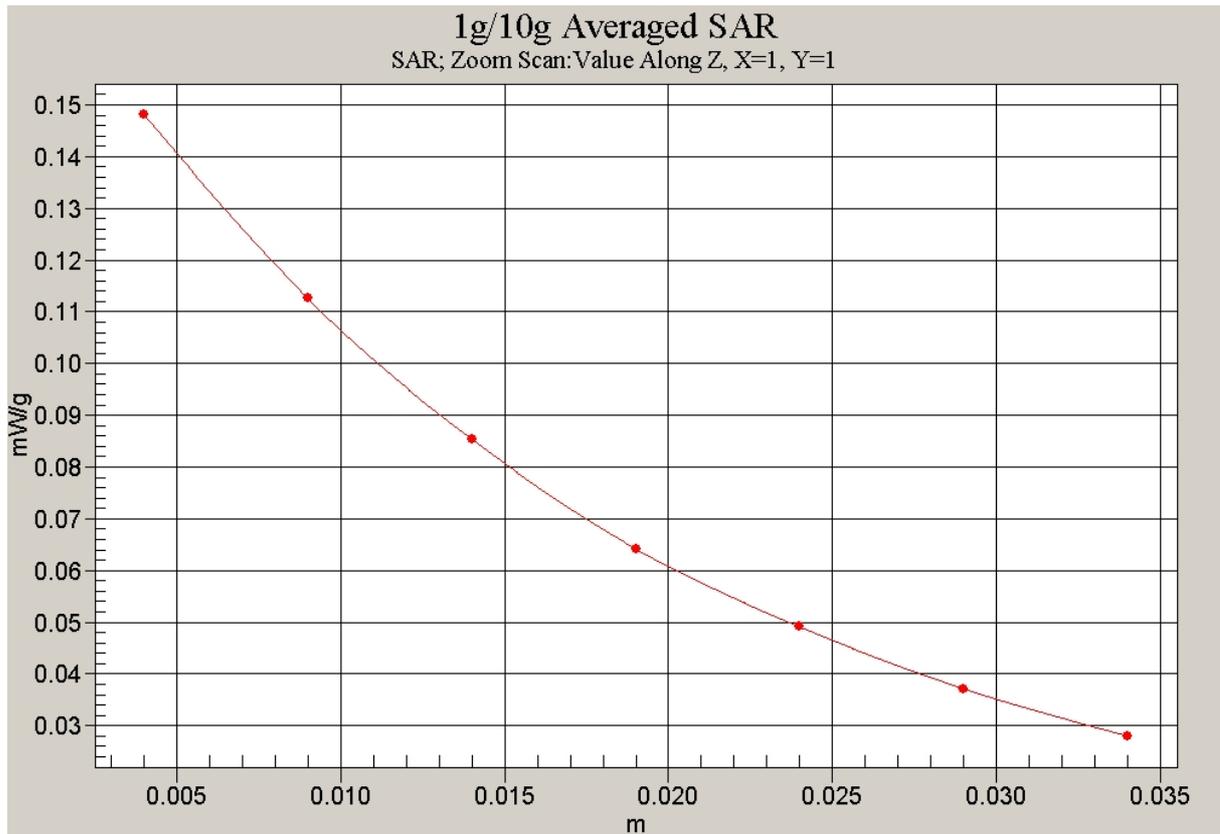
**SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.105 mW/g**

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



0 dB = 0.148mW/g

**Fig. 205 850 MHz CH190 – Slide down**



**Fig. 206 Z-Scan at power reference point (850 MHz CH190) – Slide down**

**850 Body Towards Phantom Low with GPRS – Slide down**

Date/Time: 2009-2-8 21:53:37

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.973 \text{ mho/m}$ ;  $\epsilon_r = 53.9$ ;  $\rho = 1000 \text{ kg/m}^3$

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

Communication System: GSM 850 GPRS Frequency:  $824.2 \text{ MHz}$  Duty Cycle: 1:4

Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

**Toward Phantom Low/Area Scan (51x91x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) =  $0.171 \text{ mW/g}$

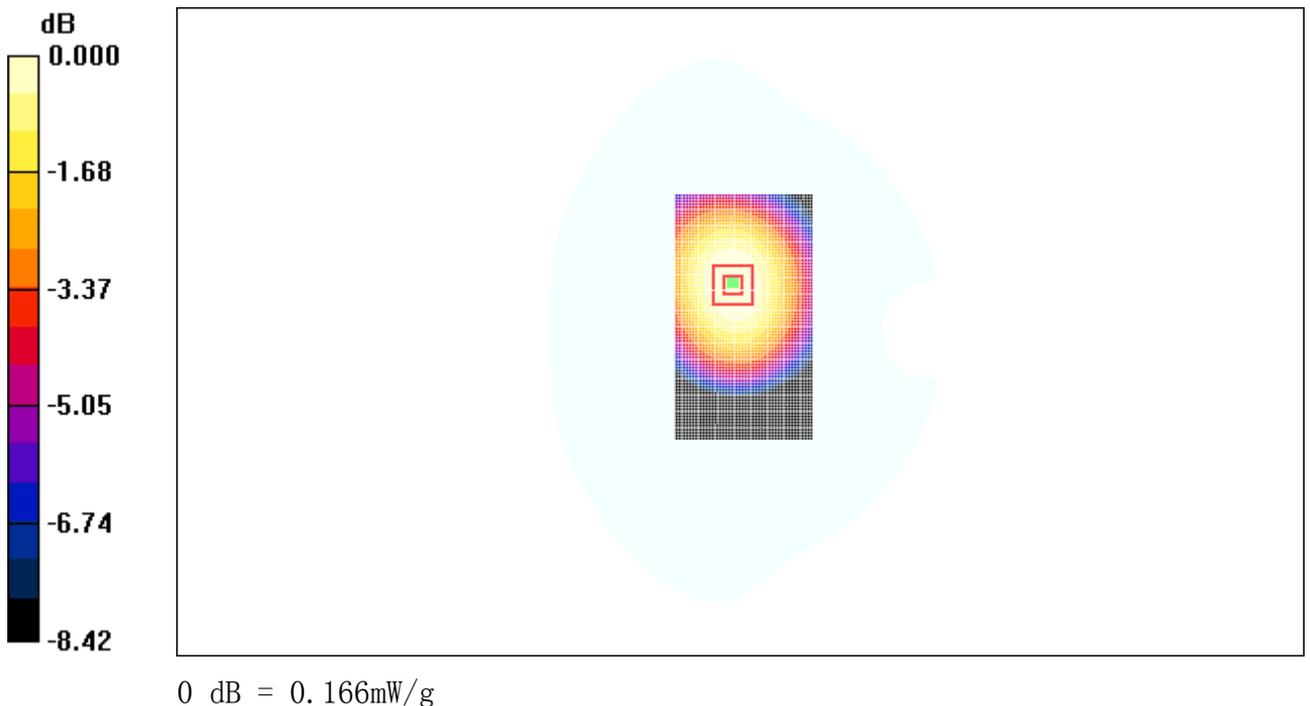
**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $11.8 \text{ V/m}$ ; Power Drift =  $-0.072 \text{ dB}$

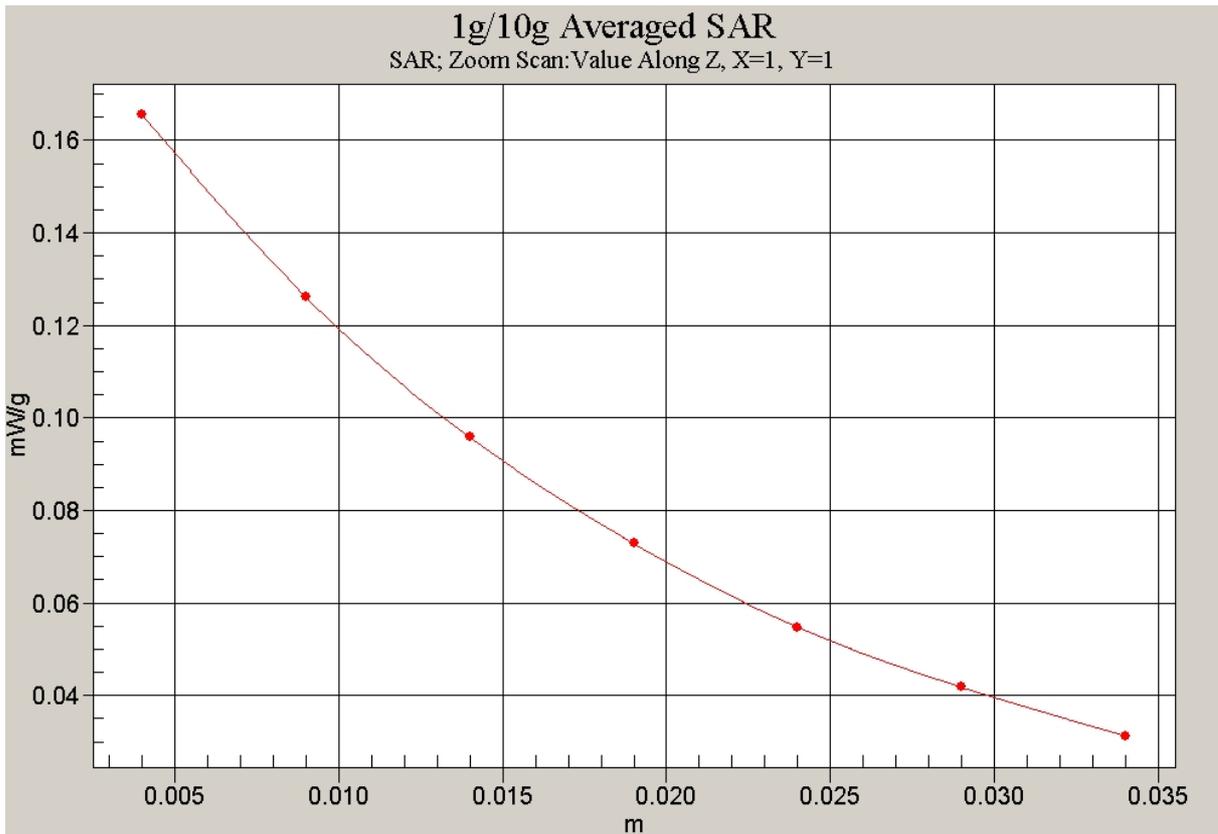
Peak SAR (extrapolated) =  $0.203 \text{ W/kg}$

**SAR(1 g) =  $0.159 \text{ mW/g}$ ; SAR(10 g) =  $0.118 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.166 \text{ mW/g}$



**Fig. 207 850 MHz CH128 – Slide down**



**Fig. 208 Z-Scan at power reference point (850 MHz CH128) – Slide down**

**850 Body Towards Ground High with GPRS – Slide up**

Date/Time: 2009-2-8 22:07:09

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)

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

Maximum value of SAR (interpolated) = 0.824 mW/g

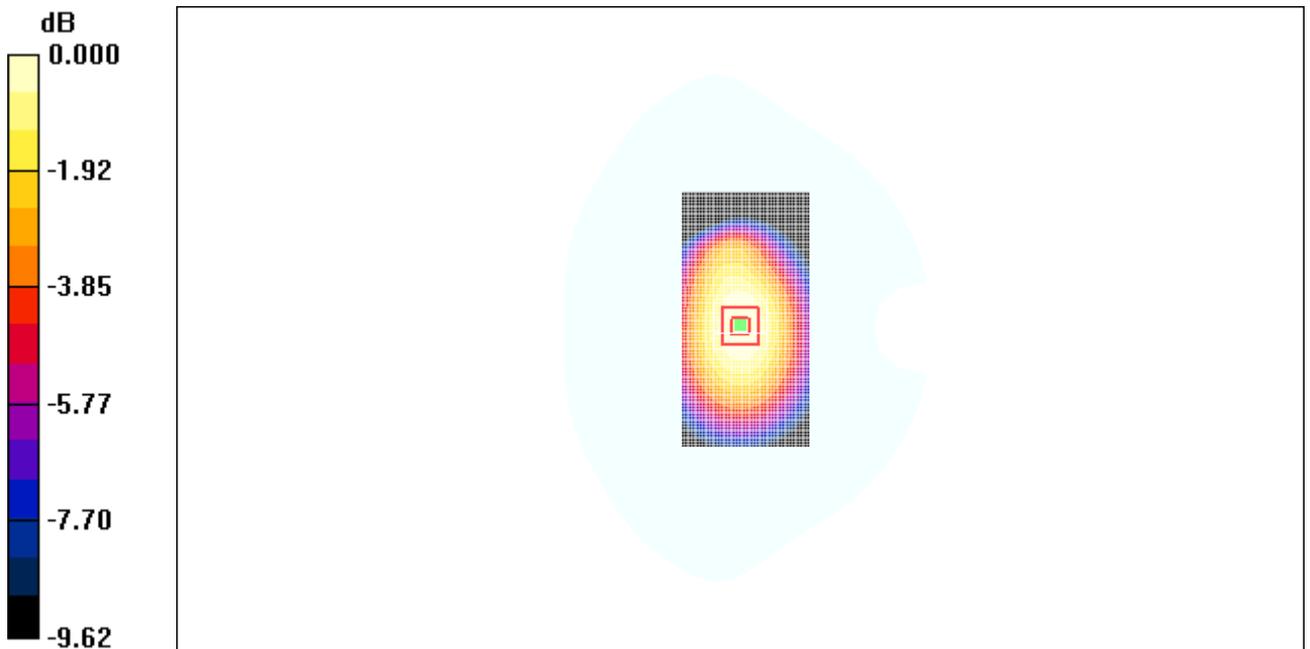
**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.7 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.773 mW/g; SAR(10 g) = 0.555 mW/g**

Maximum value of SAR (measured) = 0.793 mW/g



0 dB = 0.793mW/g

**Fig. 209 850 MHz CH251 – Slide up**

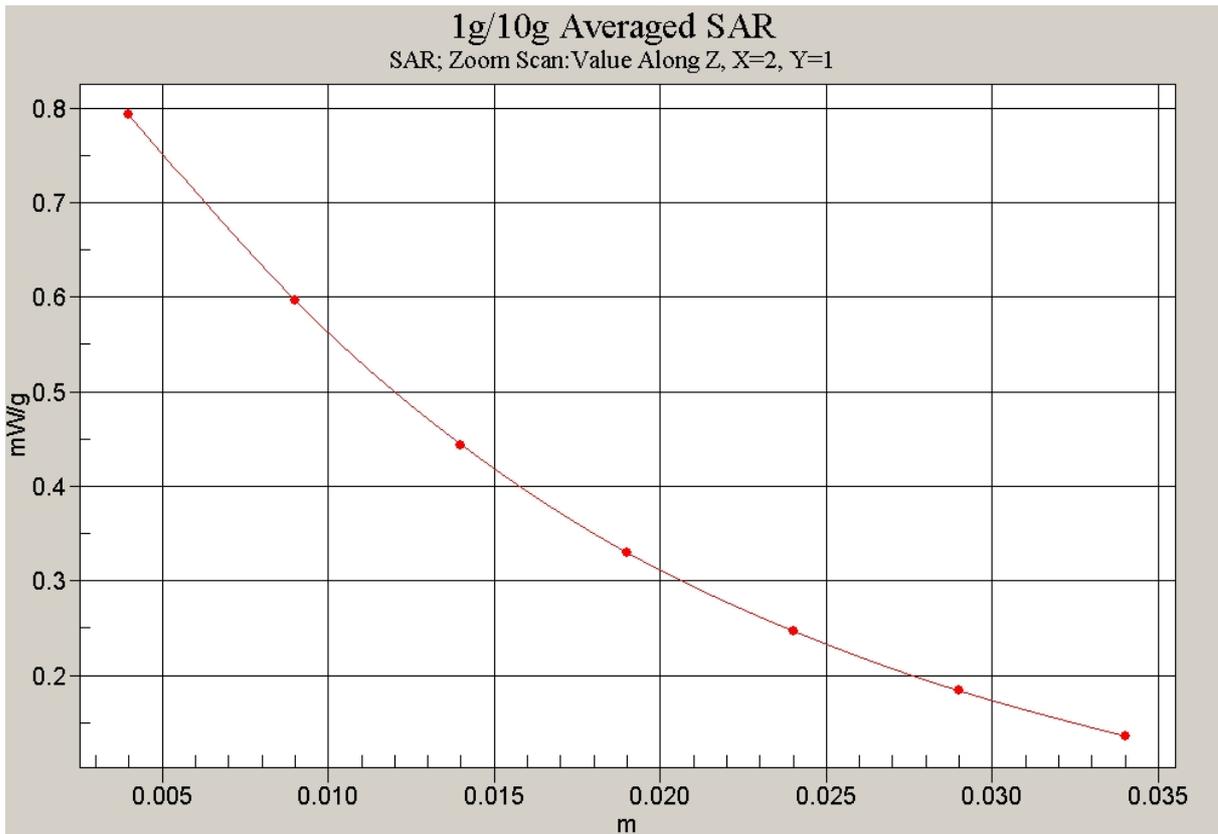


Fig. 210 Z-Scan at power reference point (850 MHz CH251) – Slide up

**850 Body Towards Ground Middle with GPRS – Slide up**

Date/Time: 2009-2-8 22:20:16

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)

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

Maximum value of SAR (interpolated) = 0.938 mW/g

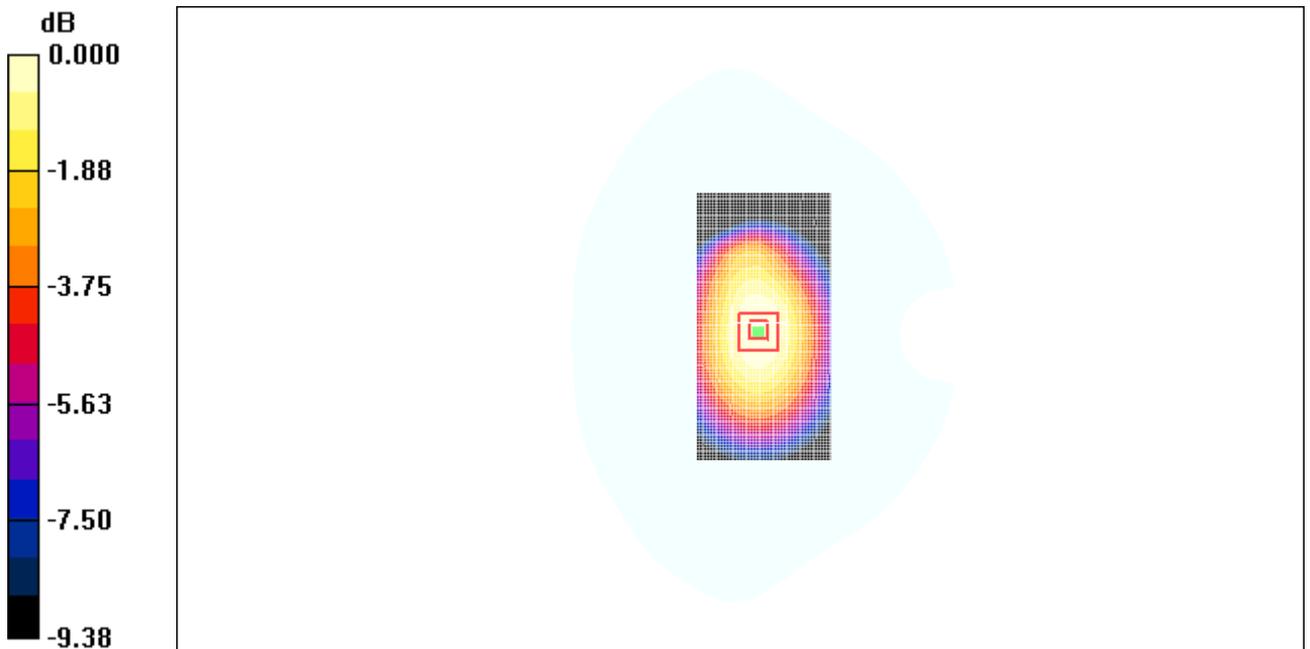
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.9 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.891 mW/g; SAR(10 g) = 0.642 mW/g**

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



0 dB = 0.921mW/g

**Fig. 211 850 MHz CH190 – Slide up**

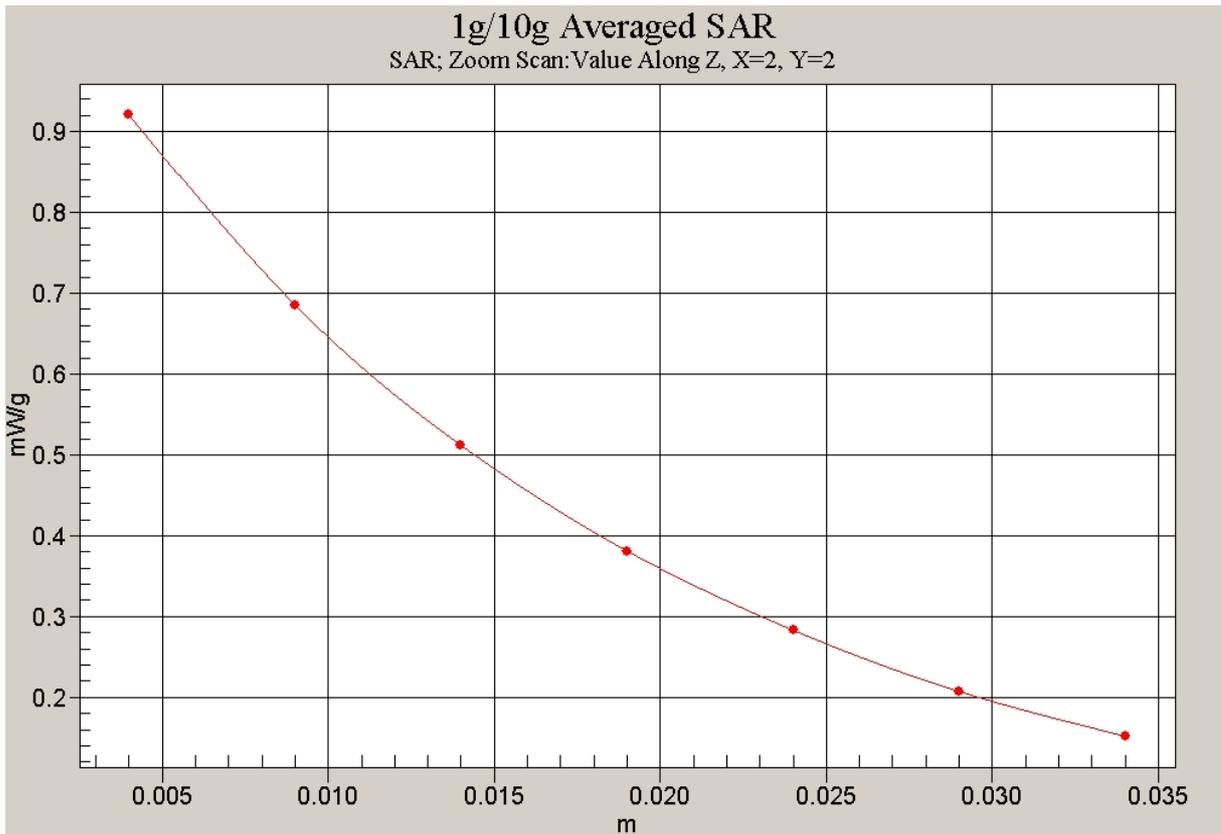


Fig. 212 Z-Scan at power reference point (850 MHz CH190) – Slide up

**850 Body Towards Ground Low with GPRS – Slide up**

Date/Time: 2009-2-8 22:33:28

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)

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

Maximum value of SAR (interpolated) = 0.345 mW/g

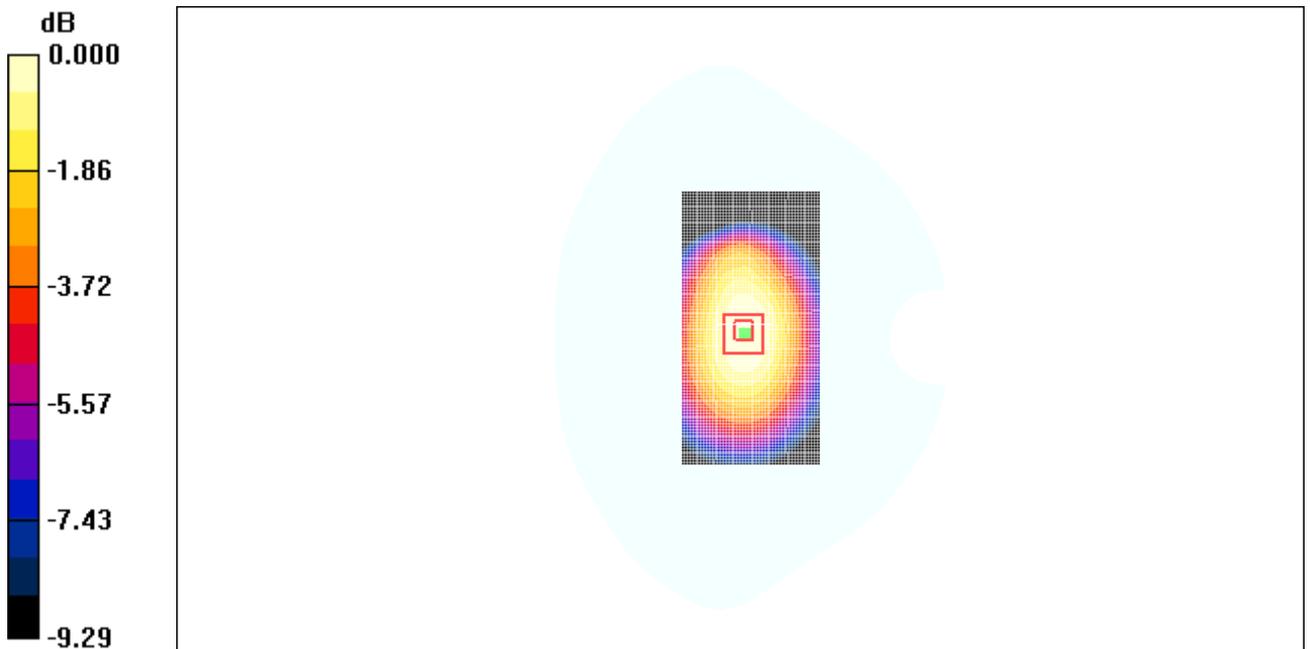
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.416 W/kg

**SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.234 mW/g**

Maximum value of SAR (measured) = 0.335 mW/g



0 dB = 0.335mW/g

**Fig. 213 850 MHz CH128 – Slide up**

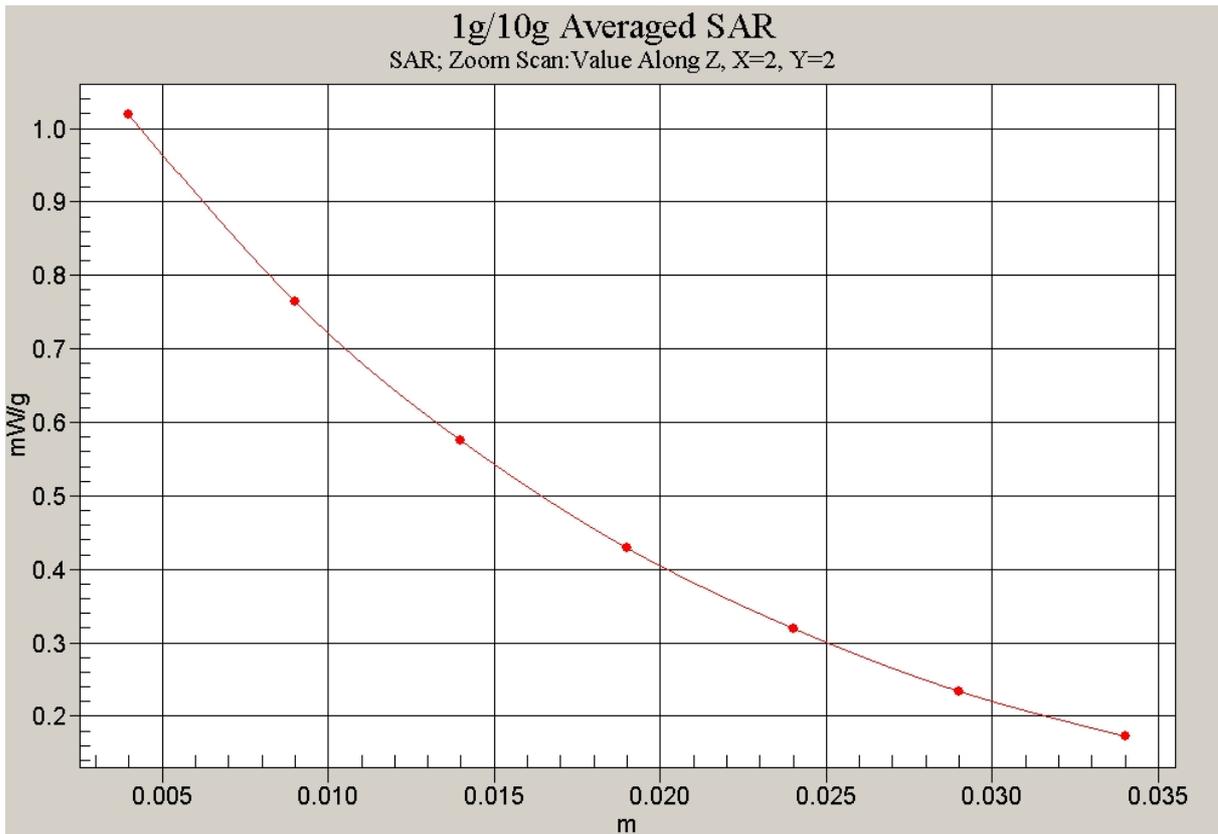


Fig. 214 Z-Scan at power reference point (850 MHz CH128) – Slide up

**850 Body Towards Phantom High with GPRS – Slide up**

Date/Time: 2009-2-8 22:46:06

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)

**Toward Phantom High/Area Scan (51x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.781 mW/g

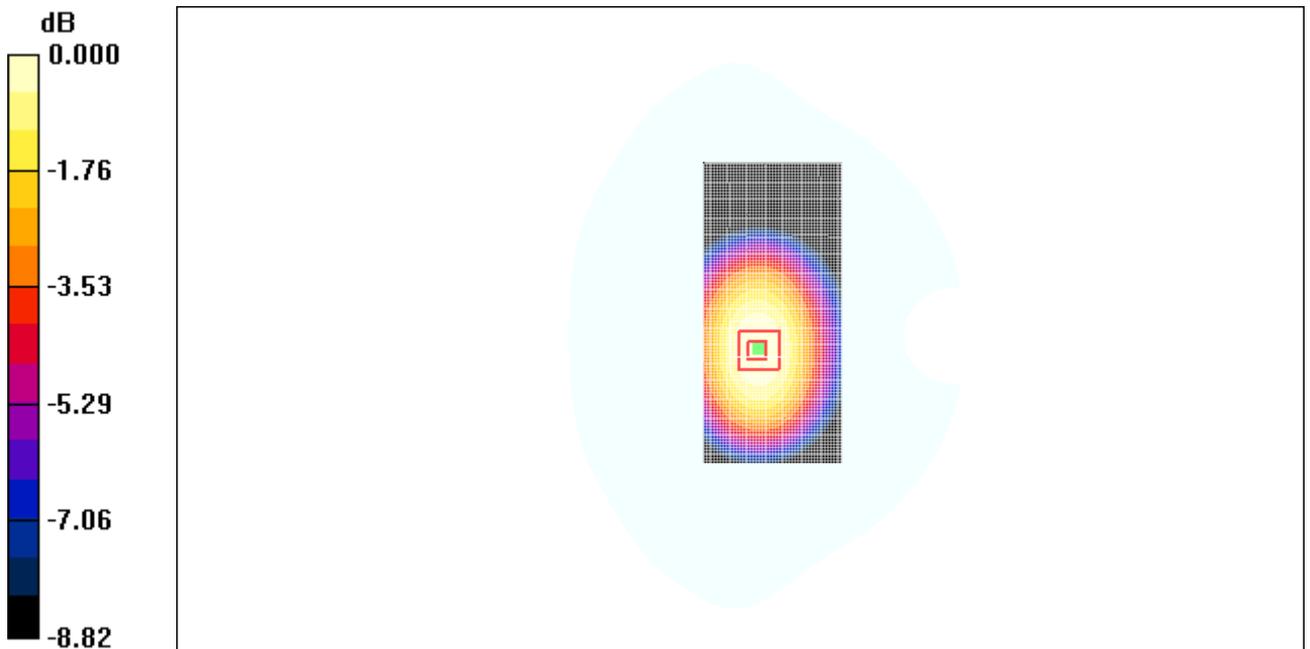
**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.9 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.941 W/kg

**SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.526 mW/g**

Maximum value of SAR (measured) = 0.755 mW/g



0 dB = 0.755mW/g

**Fig. 215 850 MHz CH251 – Slide up**

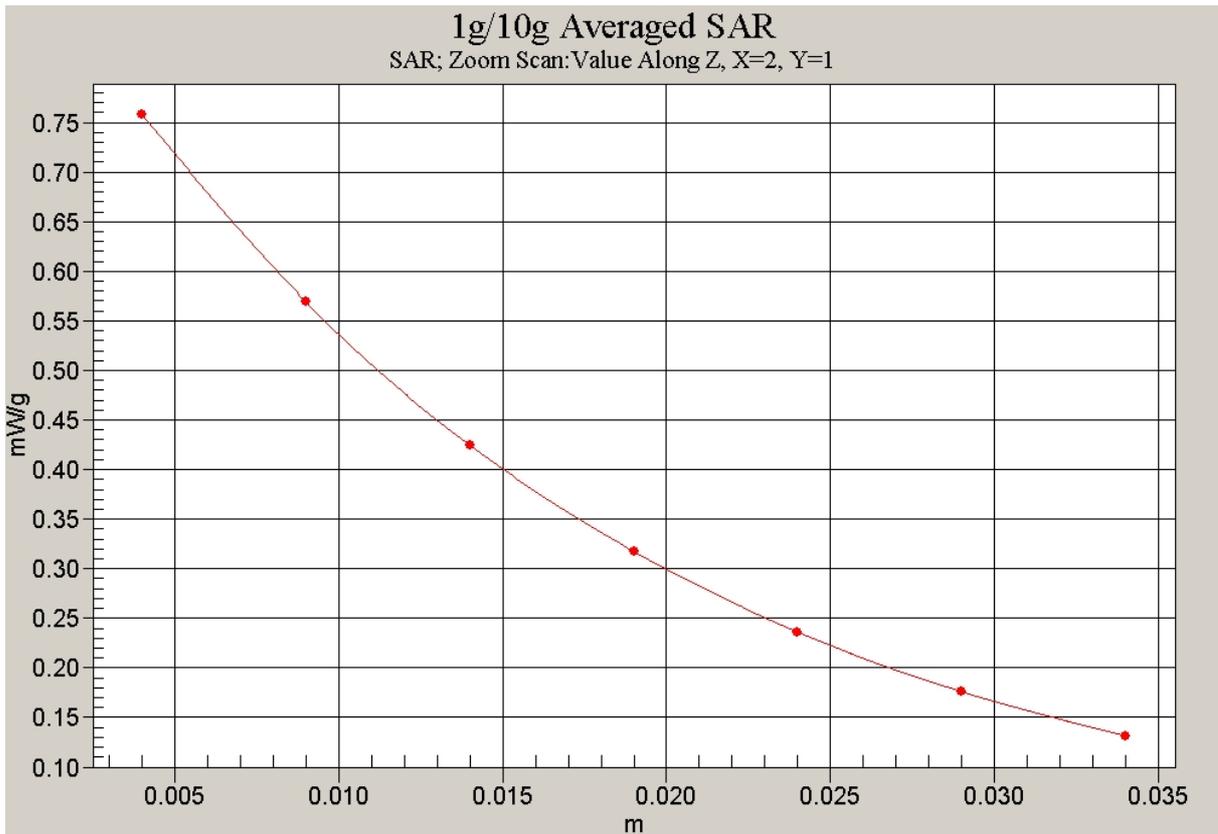


Fig. 216 Z-Scan at power reference point (850 MHz CH251) – Slide up

**850 Body Towards Phantom Middle with GPRS – Slide up**

Date/Time: 2009-2-8 22:59:38

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)

**Toward Phantom Middle/Area Scan (51x111x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.865 mW/g

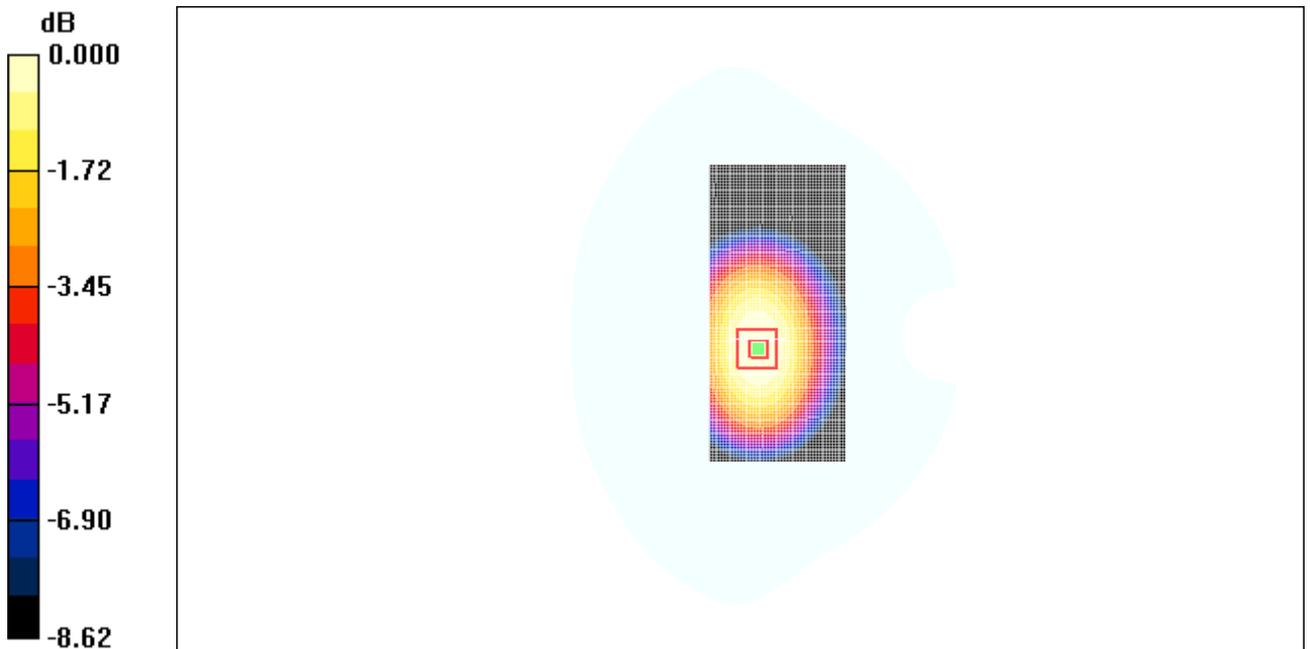
**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.3 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.590 mW/g**

Maximum value of SAR (measured) = 0.835 mW/g



0 dB = 0.835mW/g

**Fig. 217 850 MHz CH190 – Slide up**

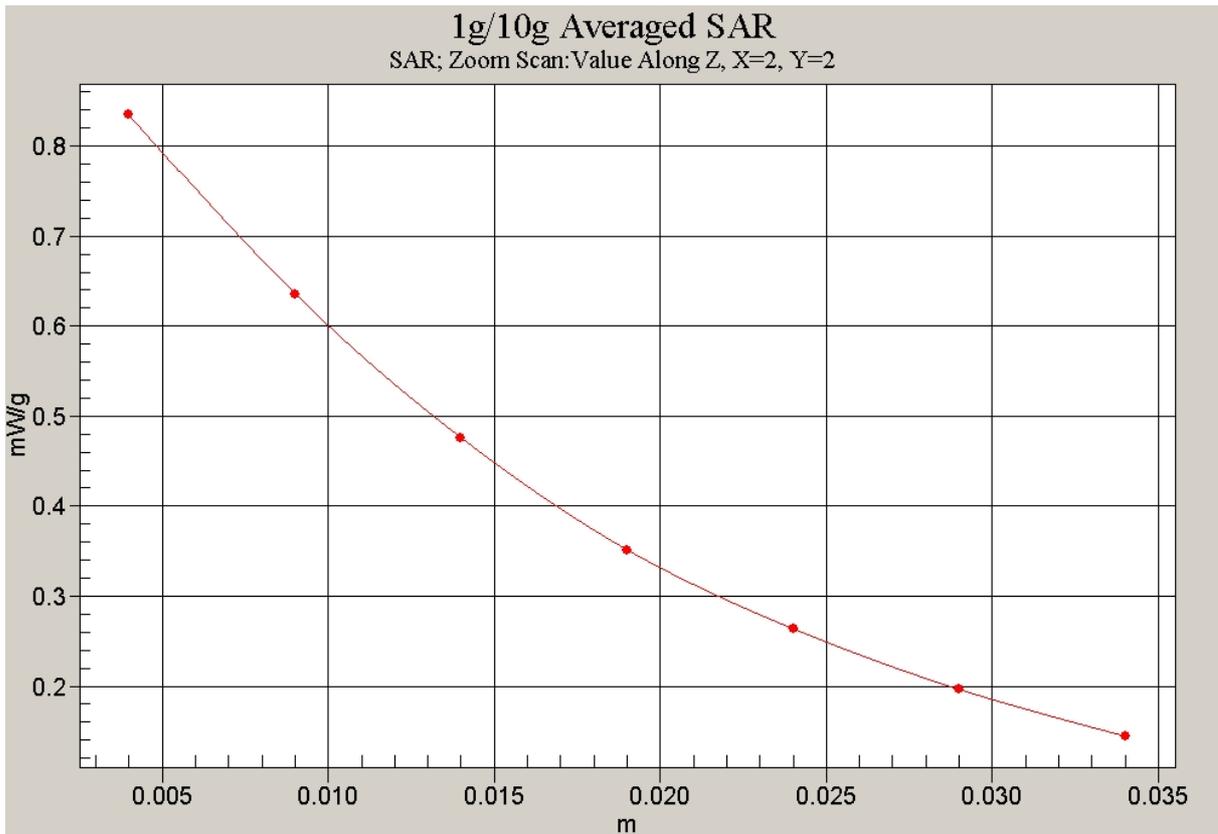


Fig. 218 Z-Scan at power reference point (850 MHz CH190) – Slide up

**850 Body Towards Phantom Low with GPRS – Slide up**

Date/Time: 2009-2-8 23:12:52

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.973 \text{ mho/m}$ ;  $\epsilon_r = 53.9$ ;  $\rho = 1000 \text{ kg/m}^3$

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

Communication System: GSM 850 GPRS Frequency:  $824.2 \text{ MHz}$  Duty Cycle: 1:4

Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) =  $0.937 \text{ mW/g}$

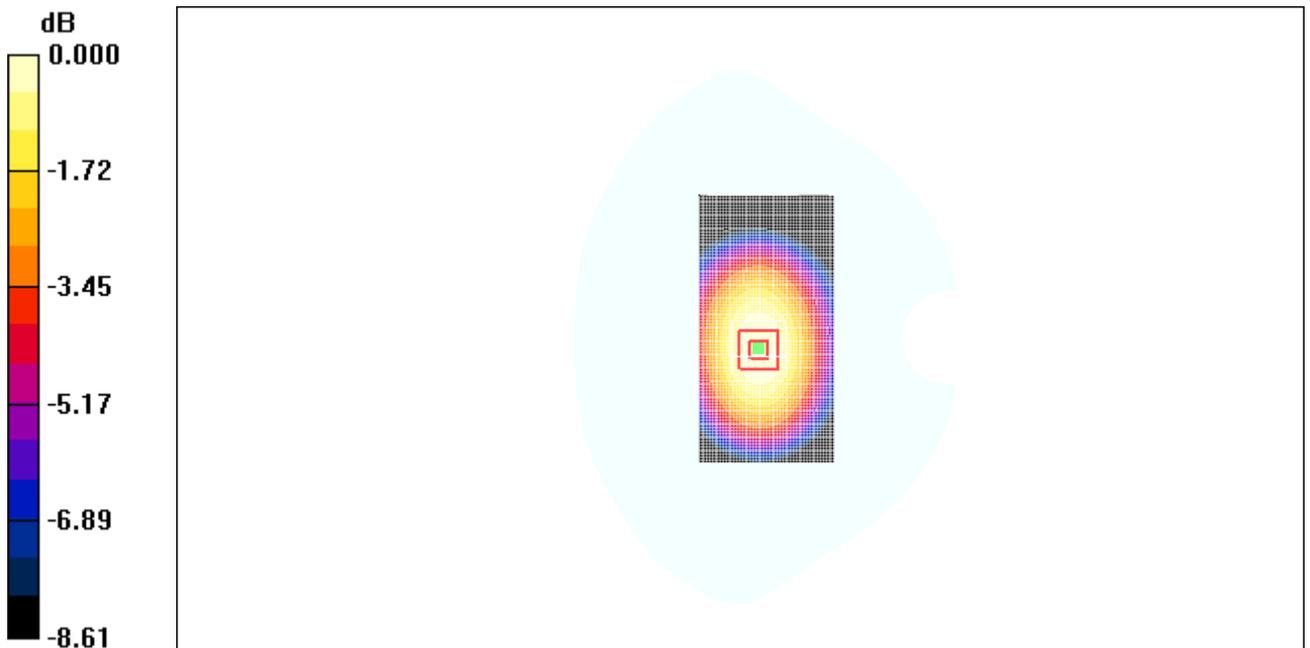
**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $31.1 \text{ V/m}$ ; Power Drift =  $-0.053 \text{ dB}$

Peak SAR (extrapolated) =  $1.15 \text{ W/kg}$

**SAR(1 g) =  $0.890 \text{ mW/g}$ ; SAR(10 g) =  $0.649 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.921 \text{ mW/g}$



0 dB =  $0.921\text{mW/g}$

**Fig. 219 850 MHz CH128 – Slide up**

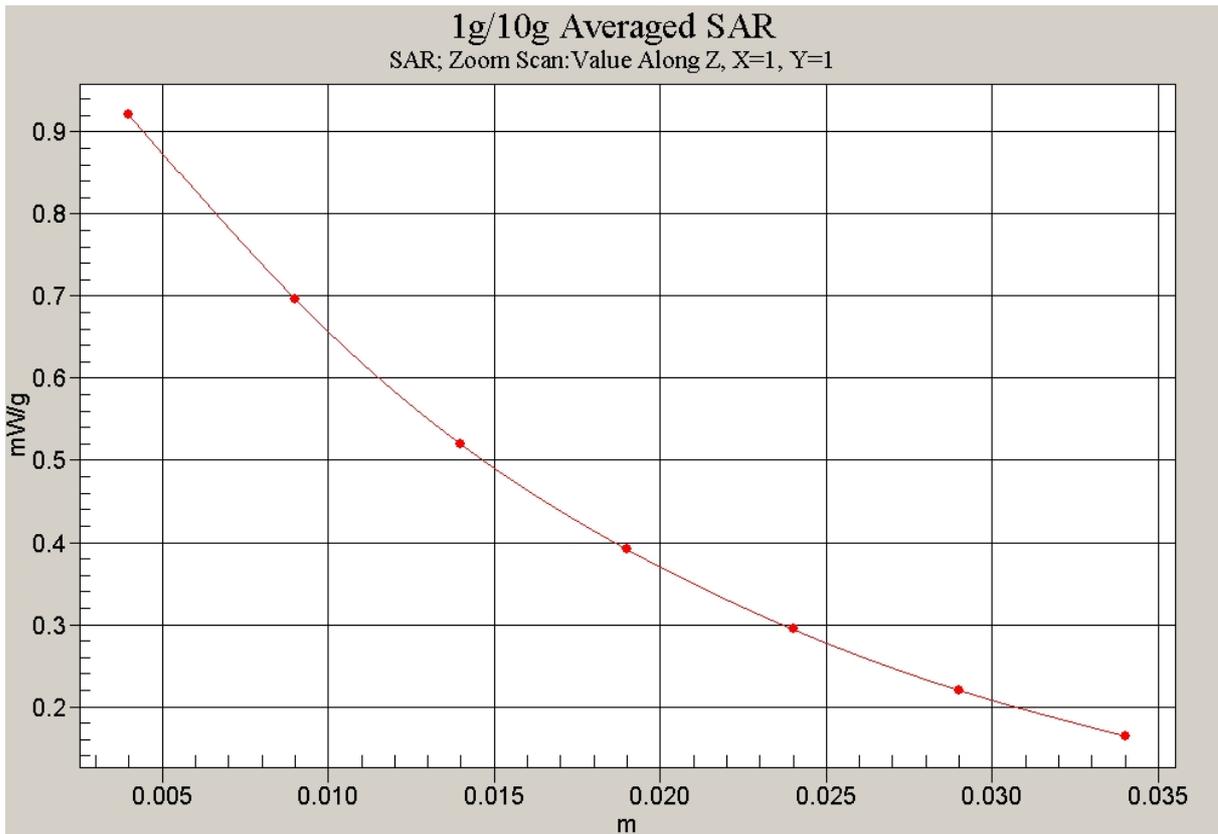


Fig. 220 Z-Scan at power reference point (850 MHz CH128) – Slide up

### 850 Body Towards Ground Low – Slide up

Date/Time: 2009-2-8 23:25:16

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 Frequency: 824.2 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.868 mW/g

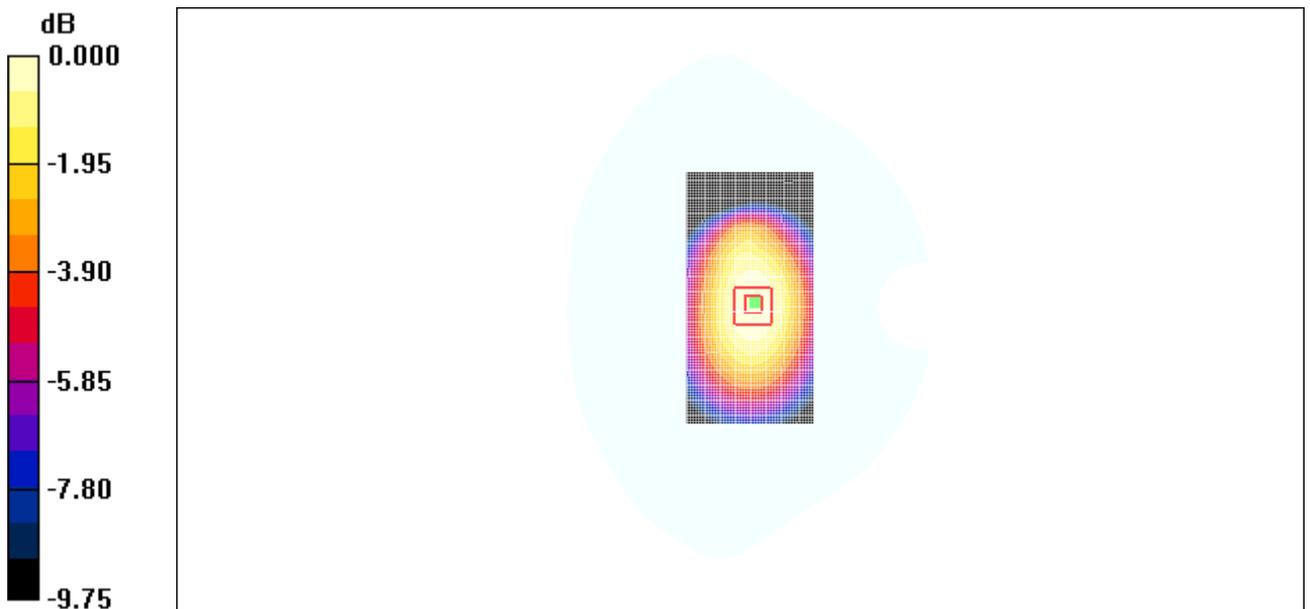
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.1 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.808 mW/g; SAR(10 g) = 0.580 mW/g**

Maximum value of SAR (measured) = 0.840 mW/g



0 dB = 0.840mW/g

Fig. 221 850 MHz CH128 – Slide up

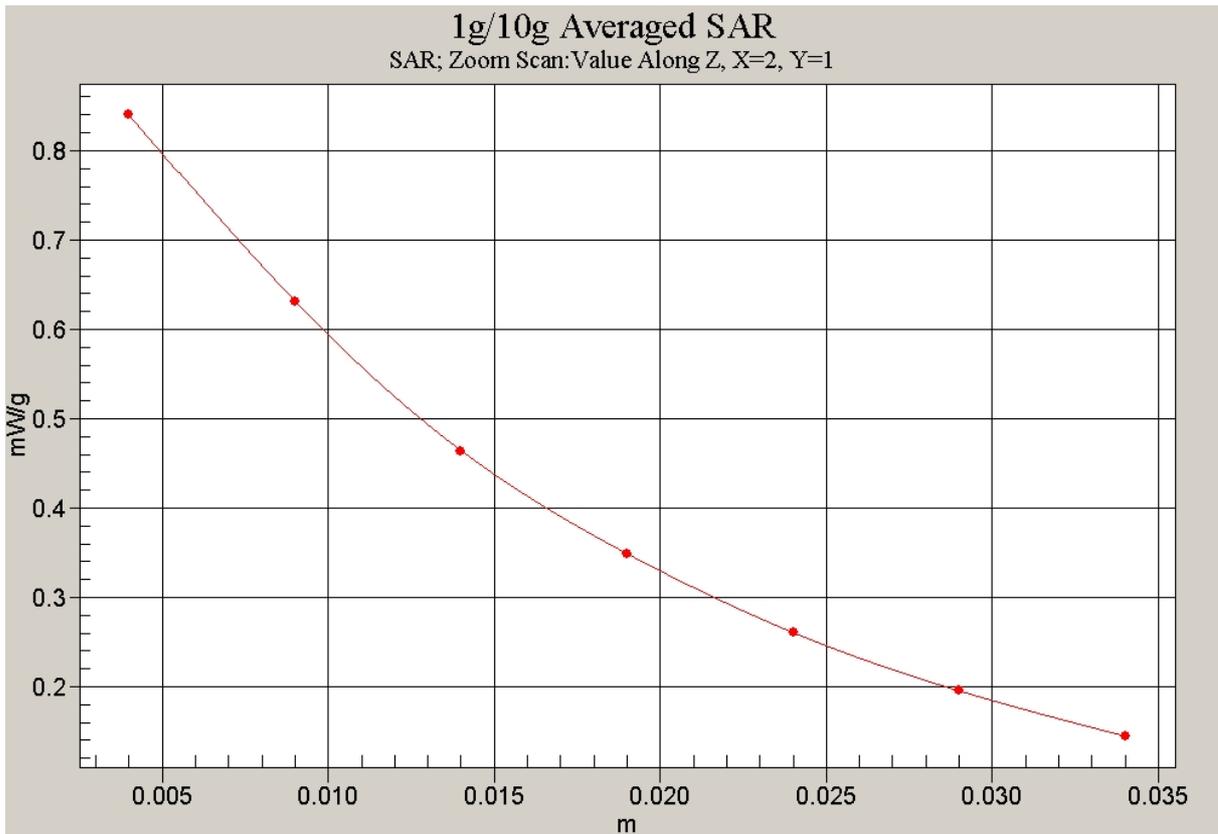


Fig. 222 Z-Scan at power reference point (850 MHz CH128) – Slide up

**850 Body Towards Ground Low with EGPRS – Slide up**

Date/Time: 2009-2-8 23:38:22

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)

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

Maximum value of SAR (interpolated) = 0.345 mW/g

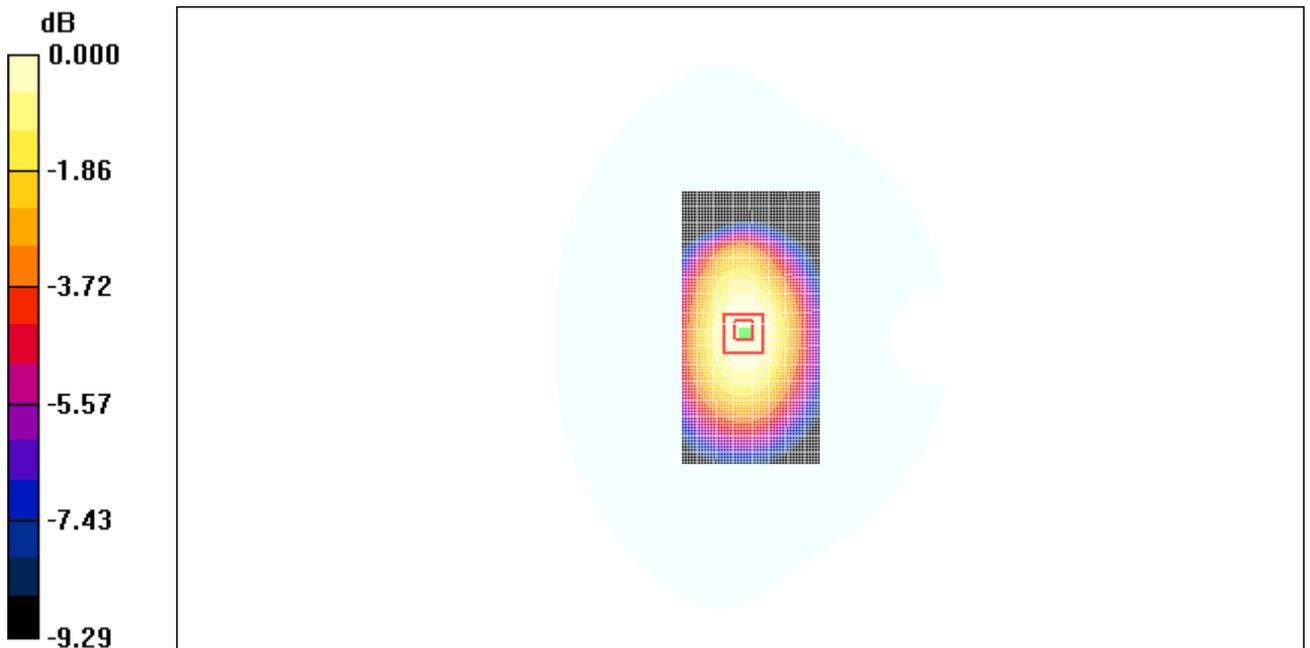
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.9 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.416 W/kg

**SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.234 mW/g**

Maximum value of SAR (measured) = 0.335 mW/g



0 dB = 0.335mW/g

**Fig. 223 850 MHz CH128 – Slide up**

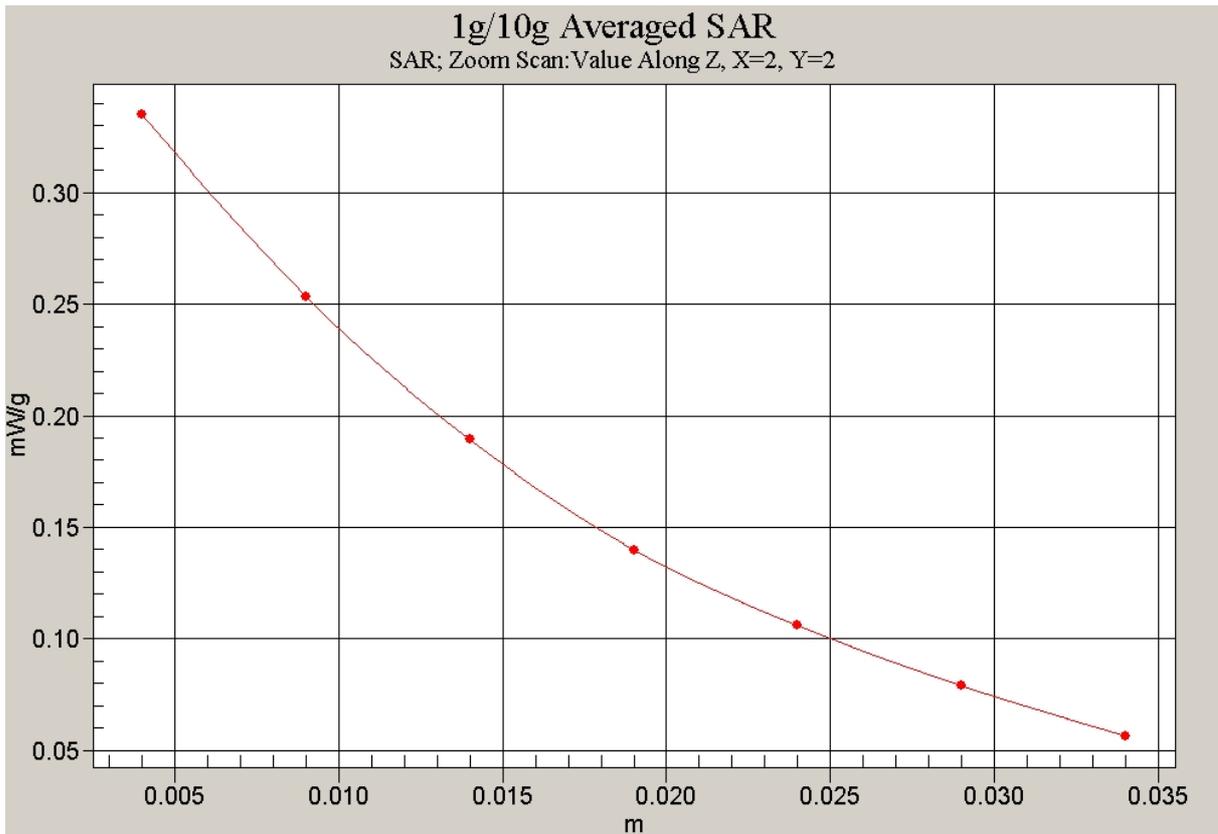


Fig. 224 Z-Scan at power reference point (850 MHz CH128) – Slide up

**850 Body Towards Ground Low with Headset – Slide up**

Date/Time: 2009-2-8 23:51:18

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 Frequency: 848.8 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.830 mW/g

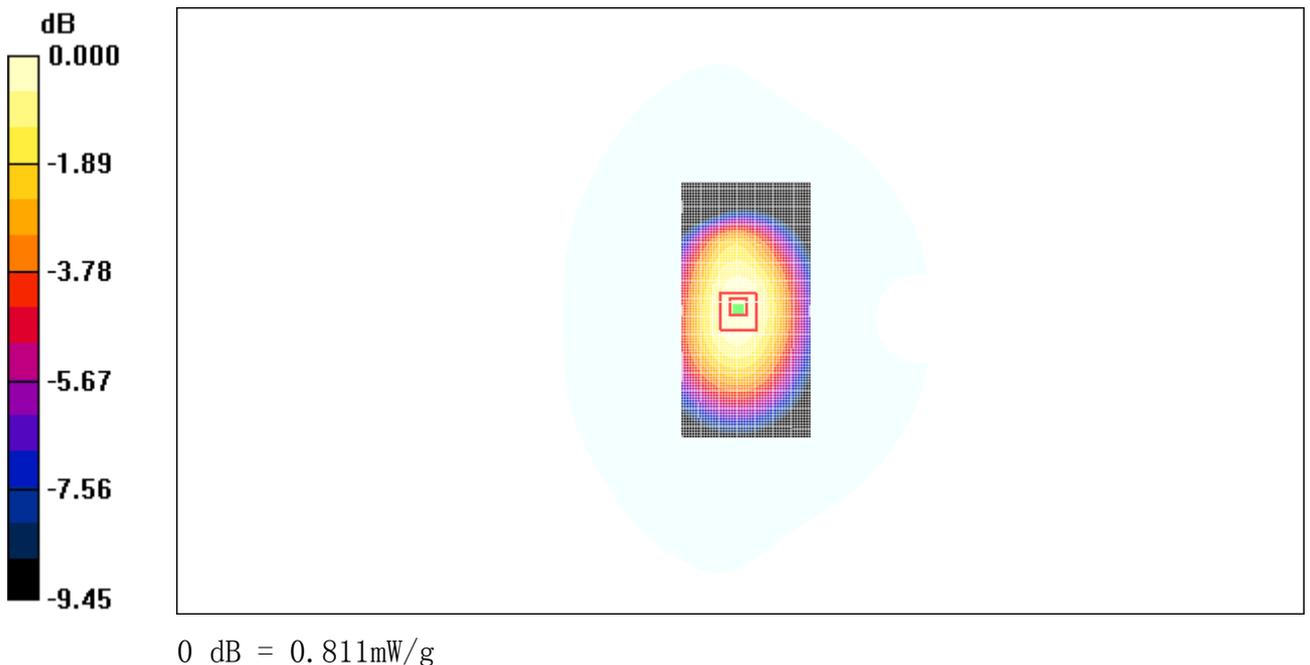
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.1 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.782 mW/g; SAR(10 g) = 0.562 mW/g**

Maximum value of SAR (measured) = 0.811 mW/g



**Fig. 225 850 MHz CH128 – Slide up**

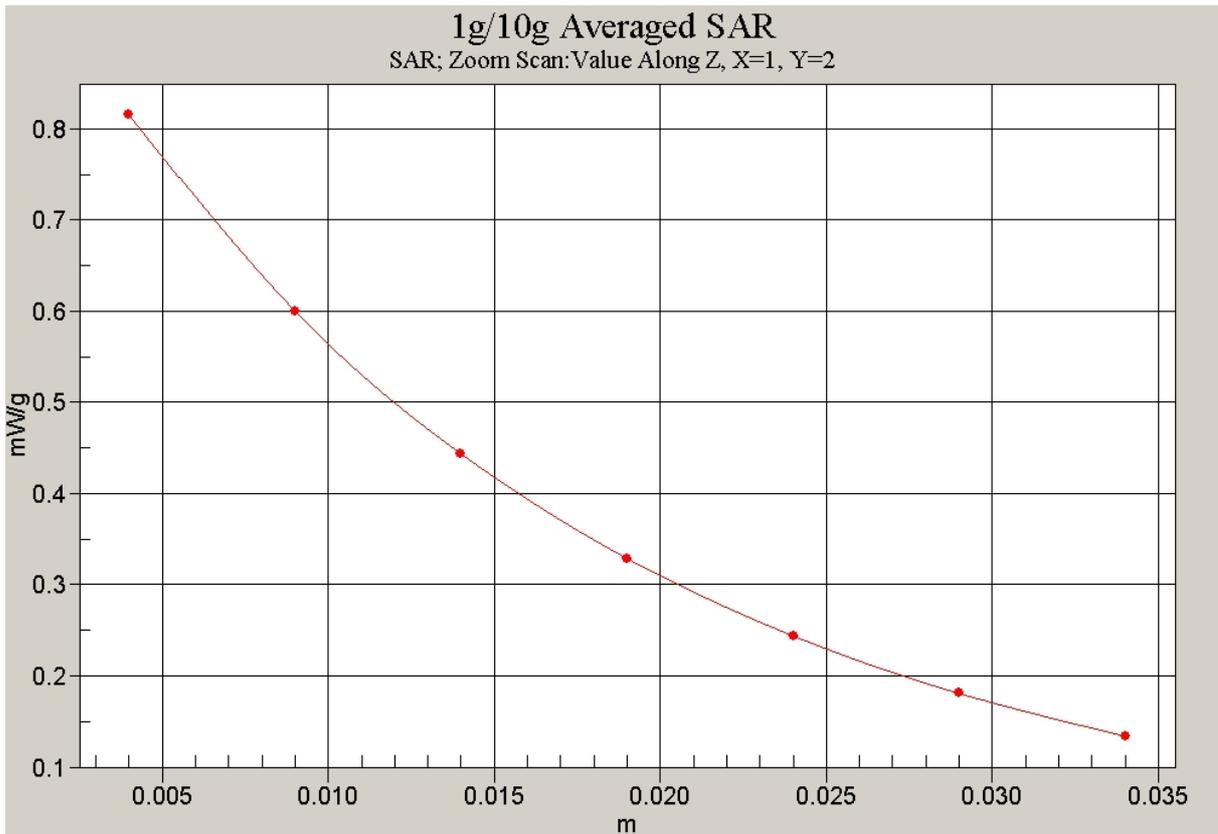


Fig. 226 Z-Scan at power reference point (850 MHz CH128) – Slide up

**1900 Left Cheek High – Slide down**

Date/Time: 2009-2-9 15:24:37

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

Maximum value of SAR (interpolated) = 0.280 mW/g

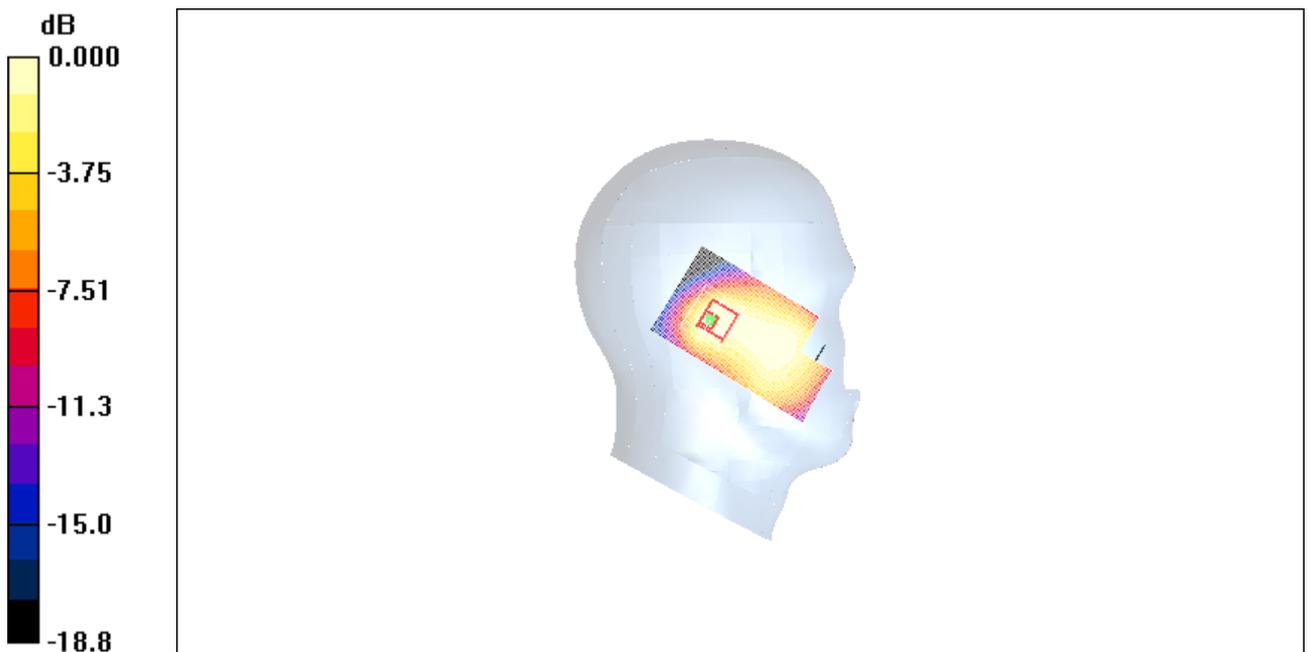
**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 0.349 W/kg

**SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.136 mW/g**

Maximum value of SAR (measured) = 0.236 mW/g



0 dB = 0.236mW/g

**Fig. 227 1900 MHz CH810 – Slide down**

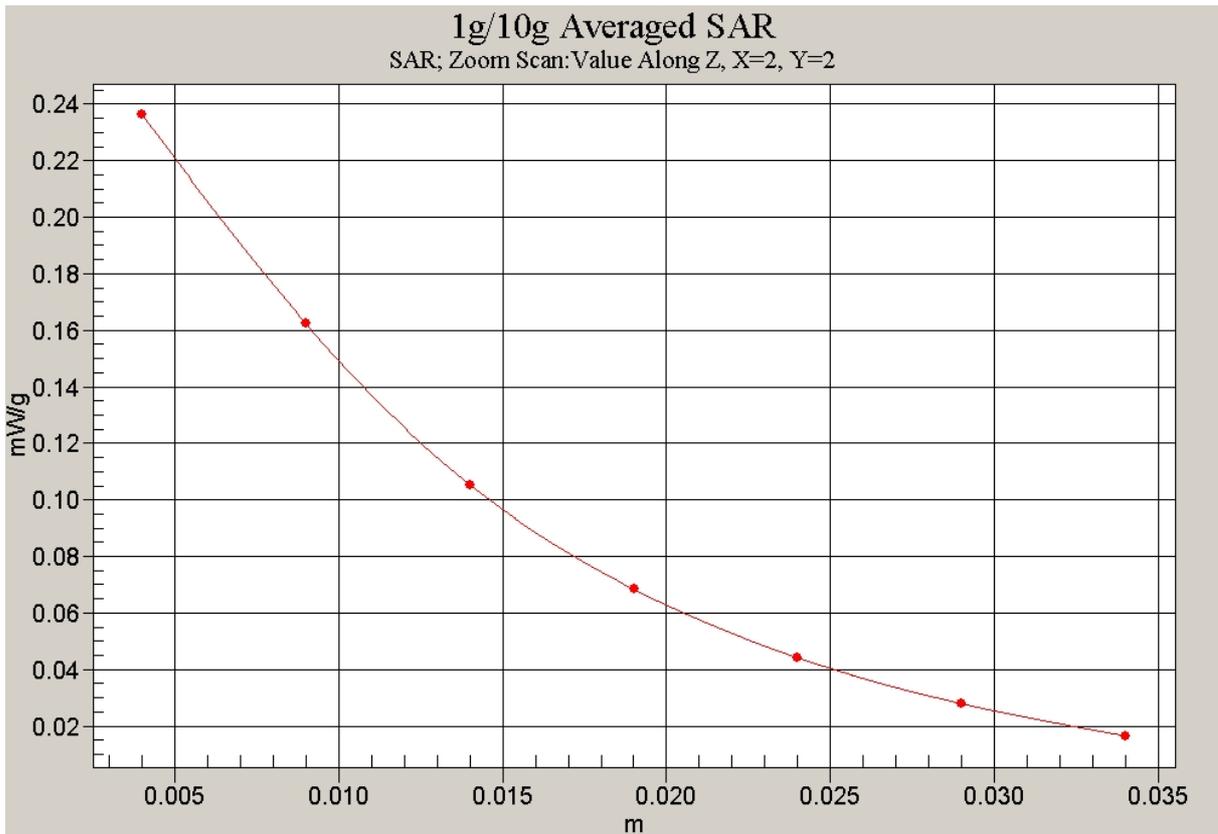


Fig. 228 Z-Scan at power reference point (1900 MHz CH810) – Slide down

**1900 Left Cheek Middle – Slide down**

Date/Time: 2009-2-9 15:37:27

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

Maximum value of SAR (interpolated) = 0.310 mW/g

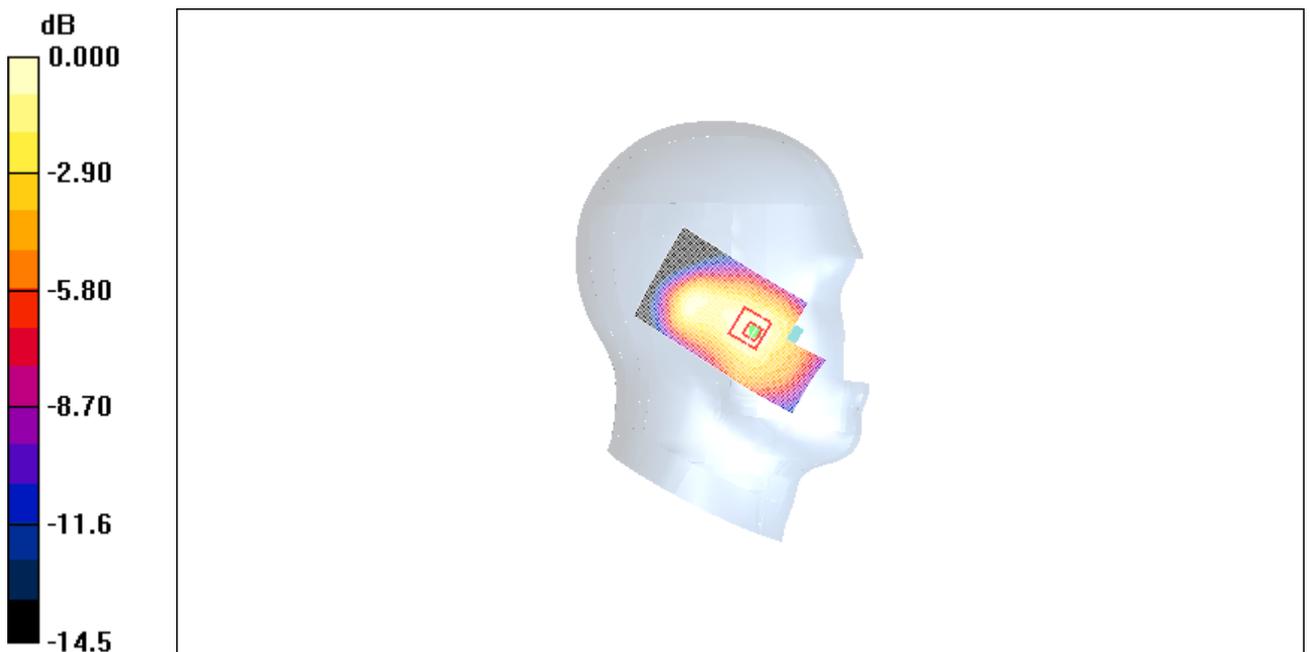
**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 0.414 W/kg

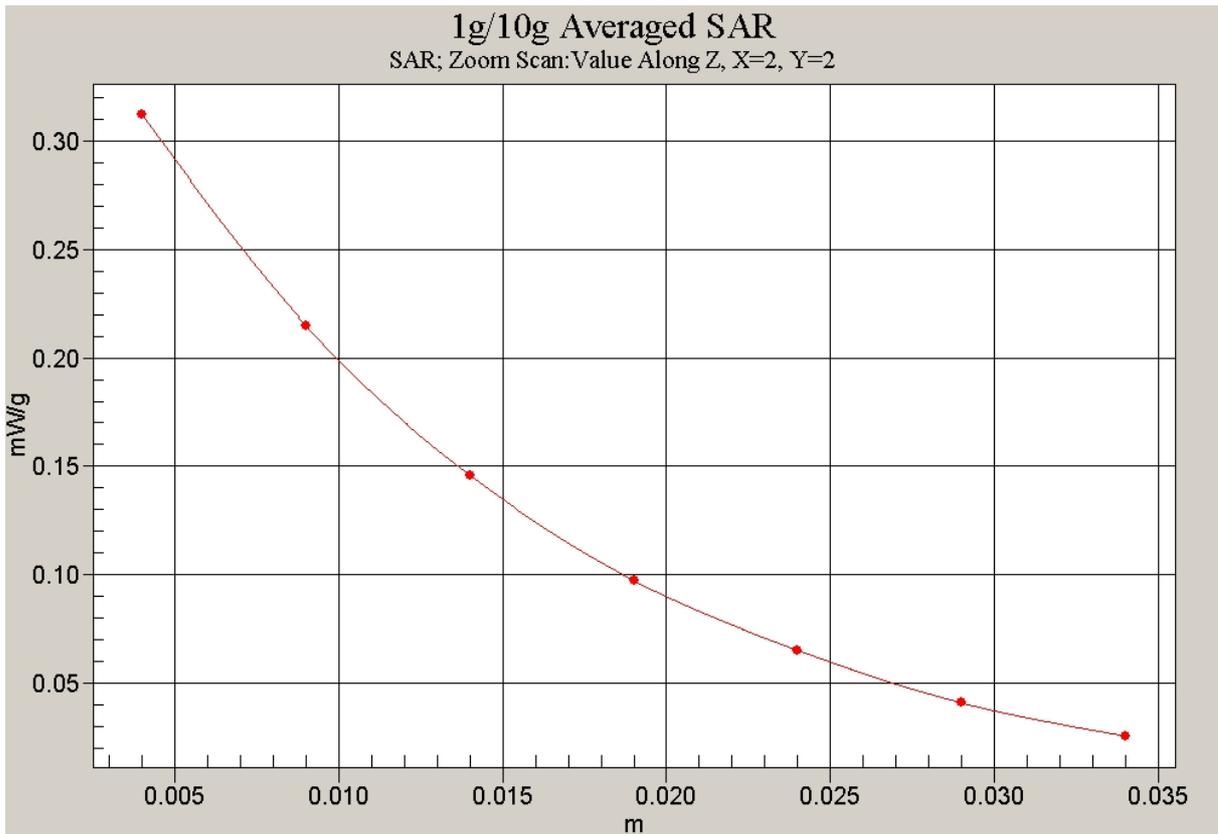
**SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.190 mW/g**

Maximum value of SAR (measured) = 0.312 mW/g



0 dB = 0.312mW/g

**Fig. 229 1900 MHz CH661 – Slide down**



**Fig. 230 Z-Scan at power reference point (1900 MHz CH661) – Slide down**

**1900 Left Cheek Low – Silde down**

Date/Time: 2009-2-9 15:50:06

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

Maximum value of SAR (interpolated) = 0.286 mW/g

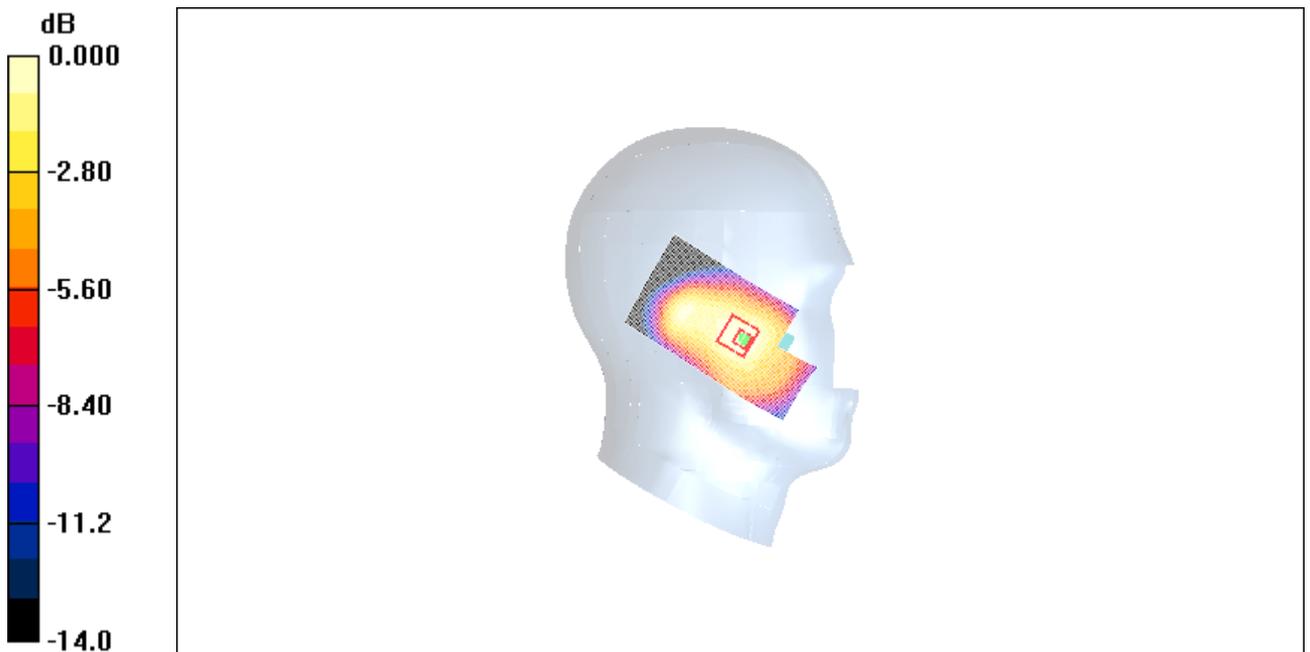
**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.379 W/kg

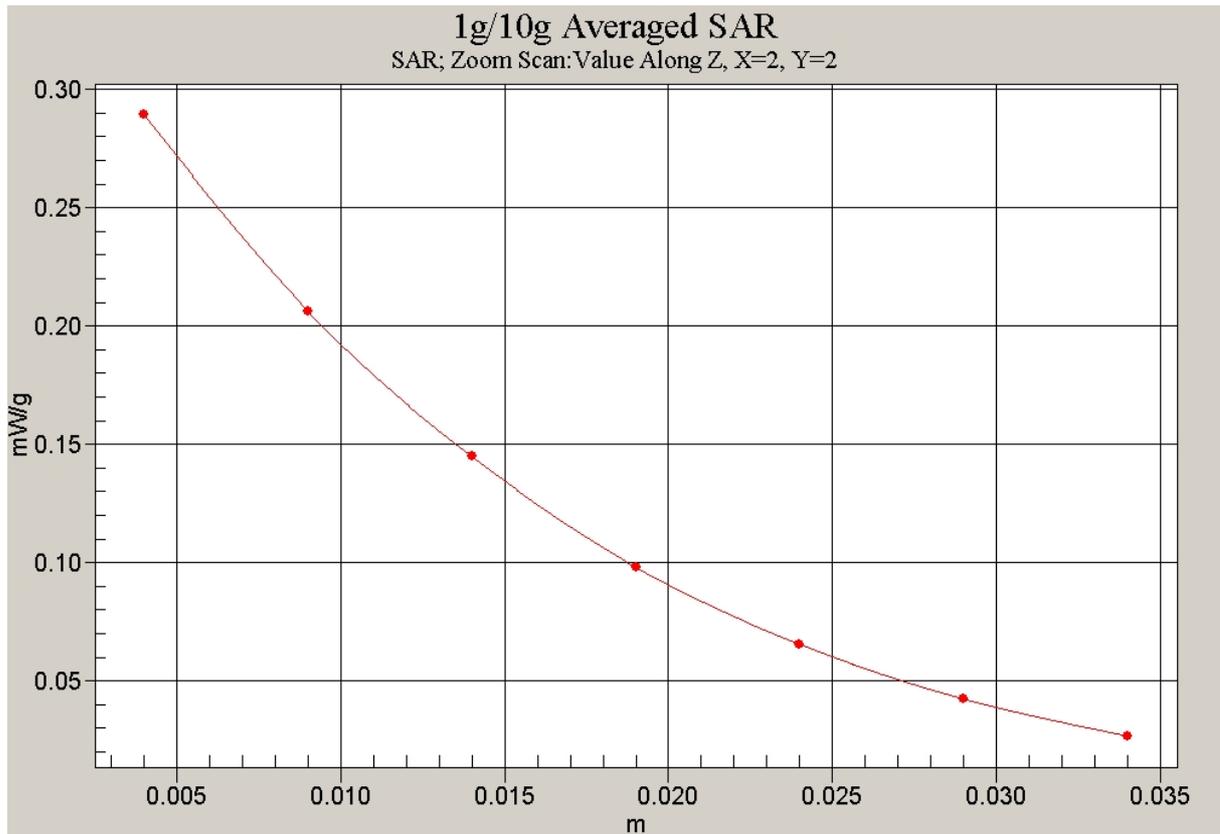
**SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.179 mW/g**

Maximum value of SAR (measured) = 0.289 mW/g



0 dB = 0.289mW/g

**Fig. 231 1900 MHz CH512 – Slide down**



**Fig. 232 Z-Scan at power reference point (1900 MHz CH512) – Slide down**

**1900 Left Tilt High – Slide down**

Date/Time: 2009-2-9 16:03:18

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)

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

Maximum value of SAR (interpolated) = 0.287 mW/g

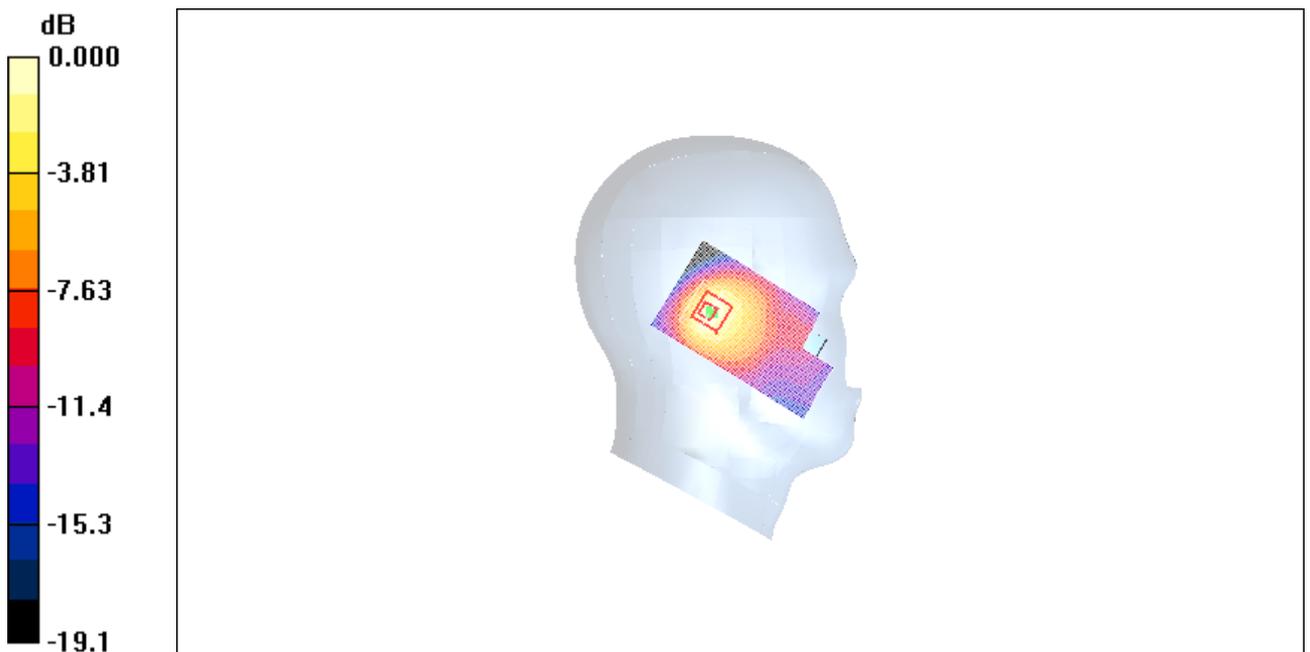
**Tilt High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.402 W/kg

**SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.136 mW/g**

Maximum value of SAR (measured) = 0.268 mW/g



0 dB = 0.268mW/g

**Fig.233 1900 MHz CH810 – Slide down**

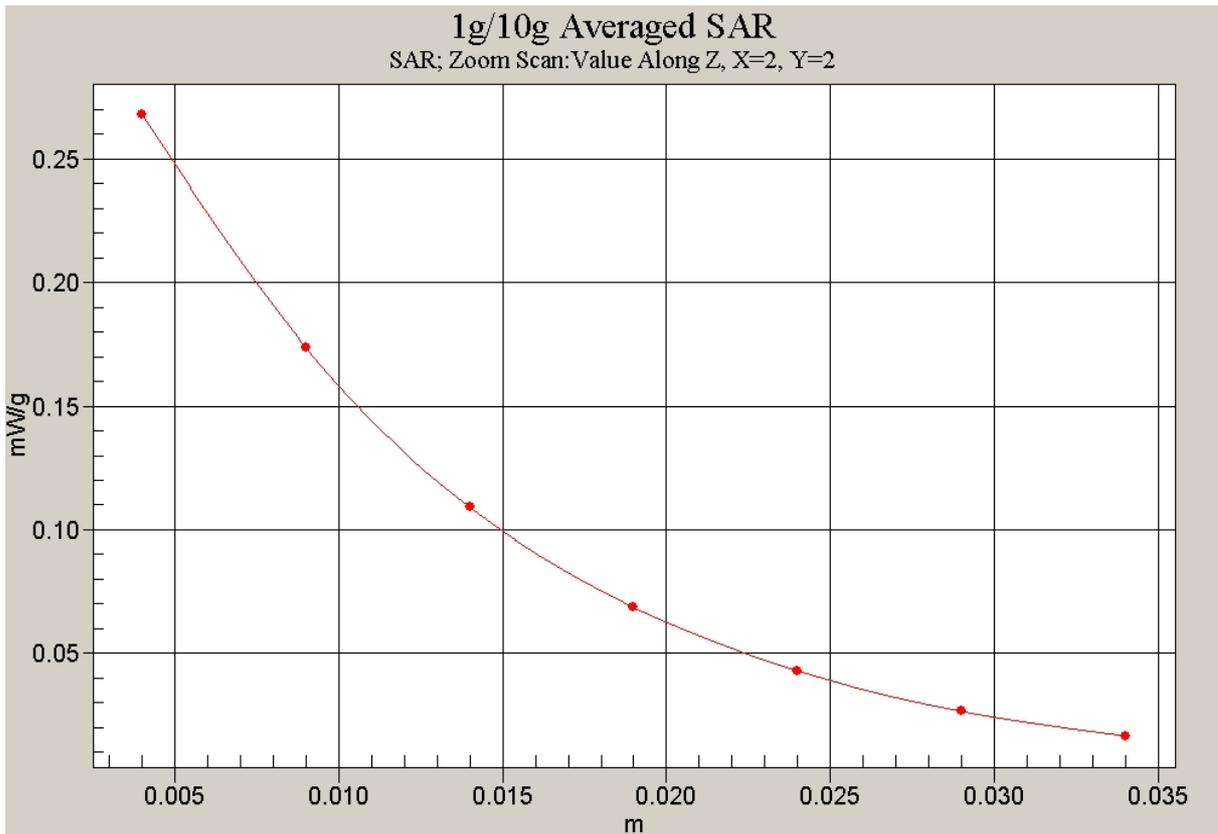


Fig. 234 Z-Scan at power reference point (1900 MHz CH810) – Slide down

**1900 Left Tilt Middle – Slide down**

Date/Time: 2009-2-9 16:16:11

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

Maximum value of SAR (interpolated) = 0.320 mW/g

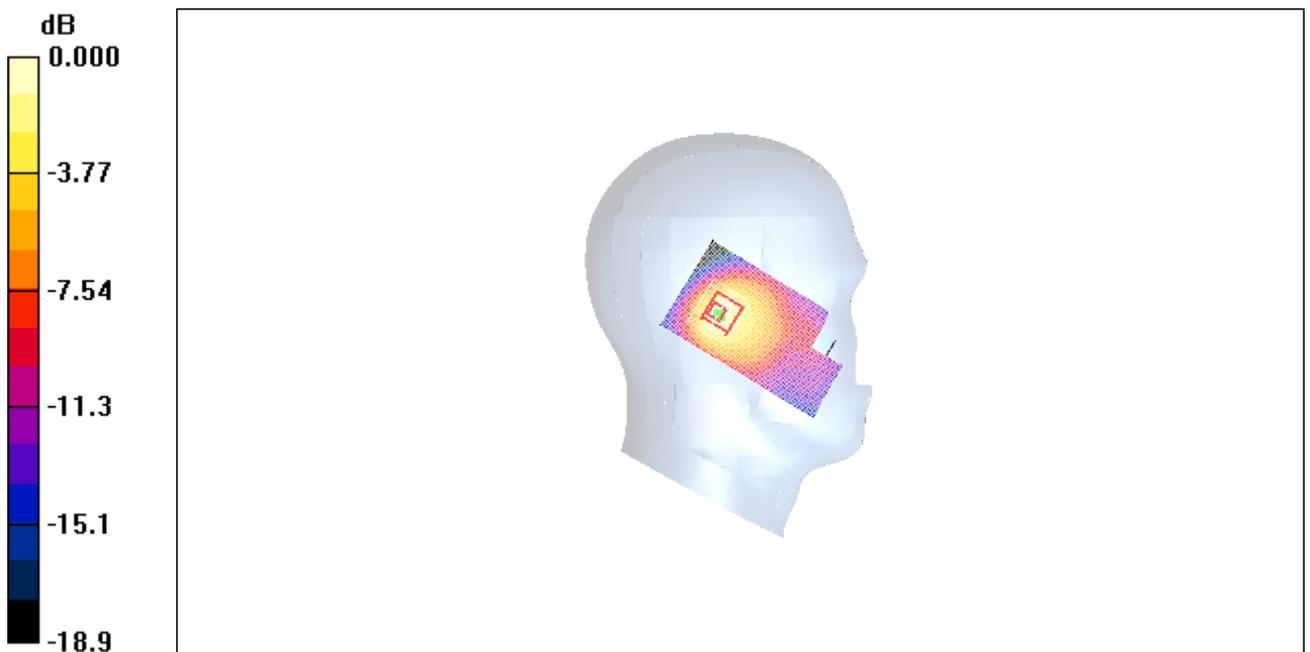
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.0 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.430 W/kg

**SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.150 mW/g**

Maximum value of SAR (measured) = 0.293 mW/g



0 dB = 0.293mW/g

**Fig. 235 1900 MHz CH661 – Slide down**

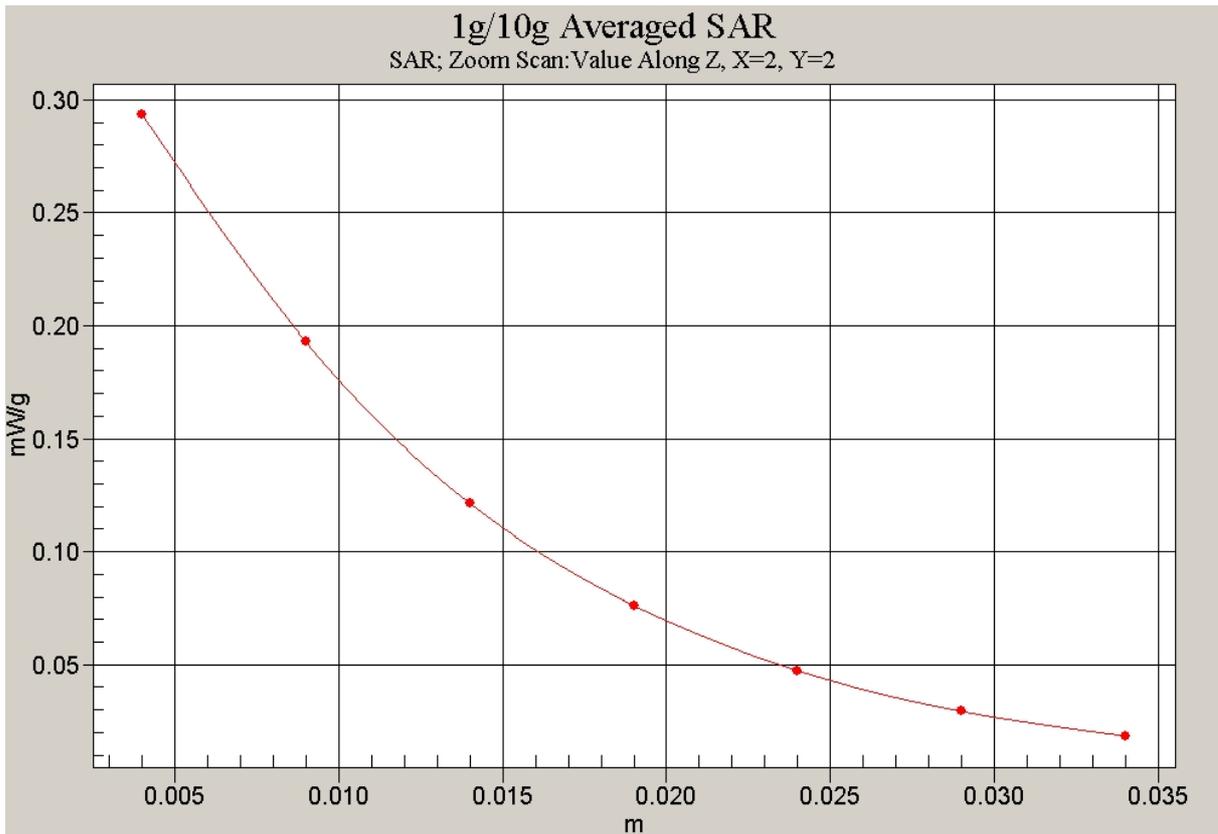


Fig. 236 Z-Scan at power reference point (1900 MHz CH661) – Slide down

**1900 Left Tilt Low – Slide down**

Date/Time: 2009-2-9 16:29:52

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)

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

Maximum value of SAR (interpolated) = 0.283 mW/g

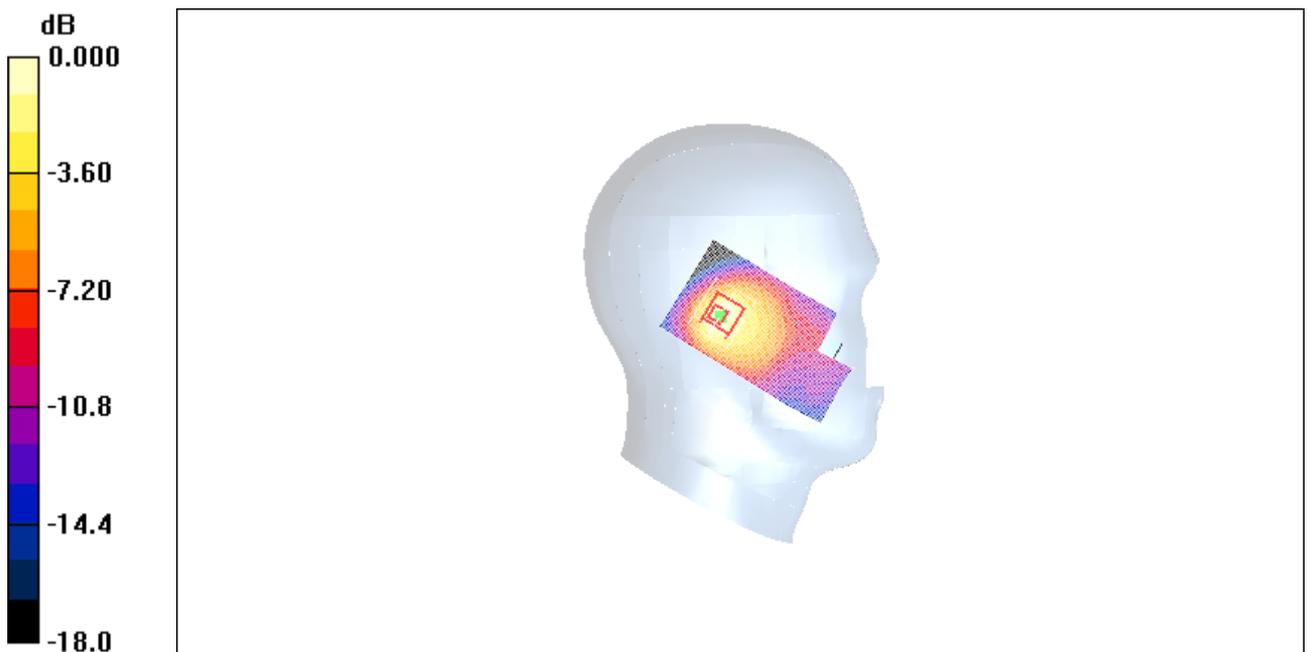
**Tilt Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.387 W/kg

**SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.135 mW/g**

Maximum value of SAR (measured) = 0.260 mW/g



0 dB = 0.260mW/g

**Fig. 237 1900 MHz CH512 – Slide down**

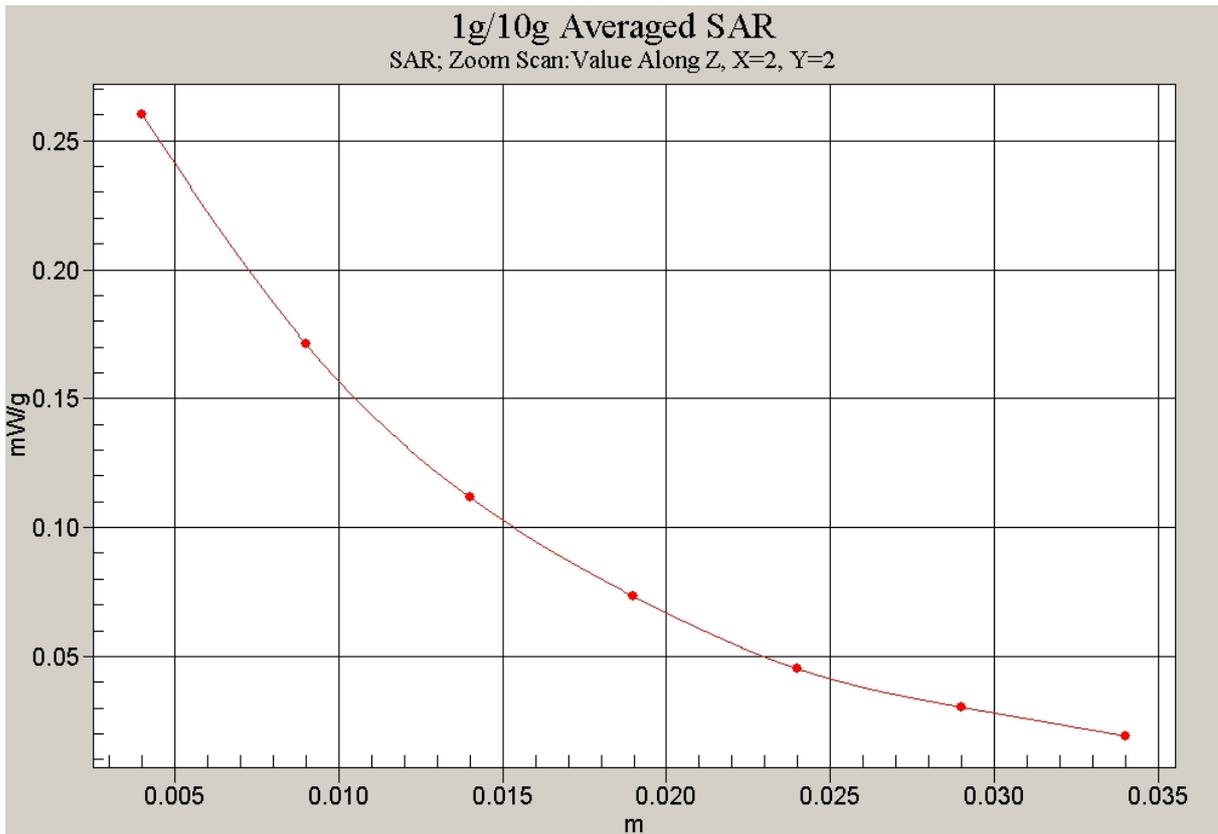


Fig. 238 Z-Scan at power reference point (1900 MHz CH512) – Slide down

**1900 Right Cheek High – Slide down**

Date/Time: 2009-2-9 16:42:13

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

Maximum value of SAR (interpolated) = 0.297 mW/g

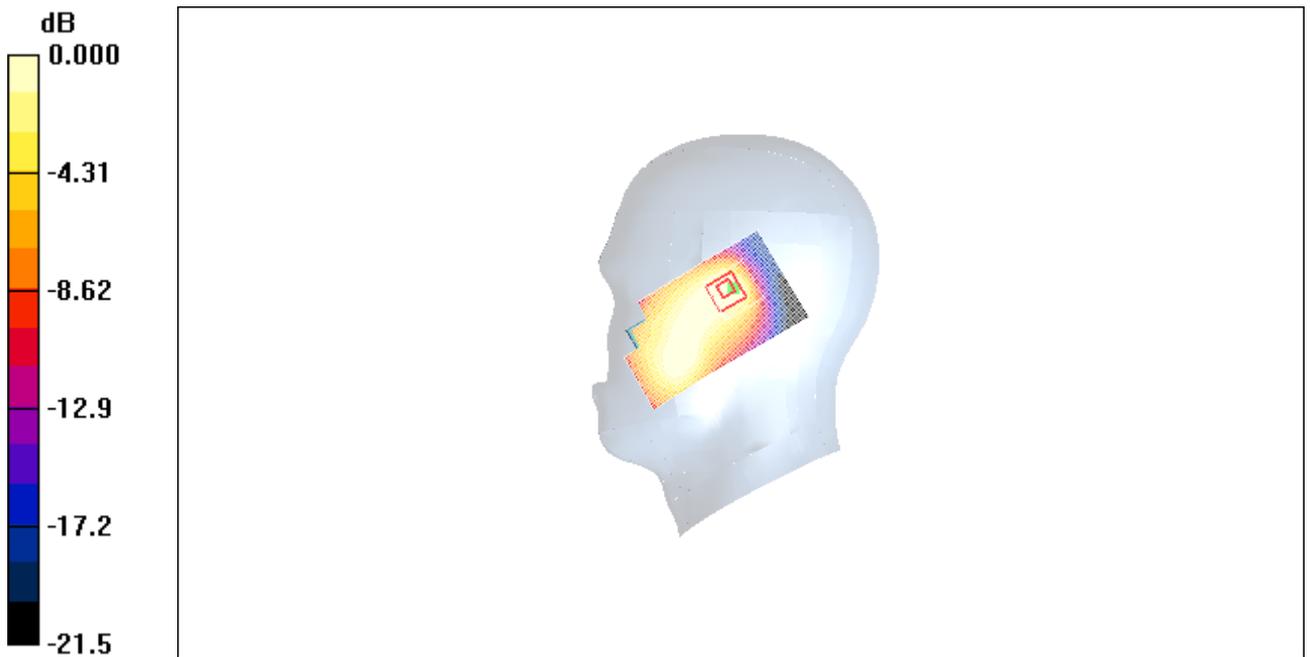
**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.07 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.397 W/kg

**SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.147 mW/g**

Maximum value of SAR (measured) = 0.253 mW/g



0 dB = 0.253mW/g

**Fig. 239 1900 MHz CH810 – Slide down**

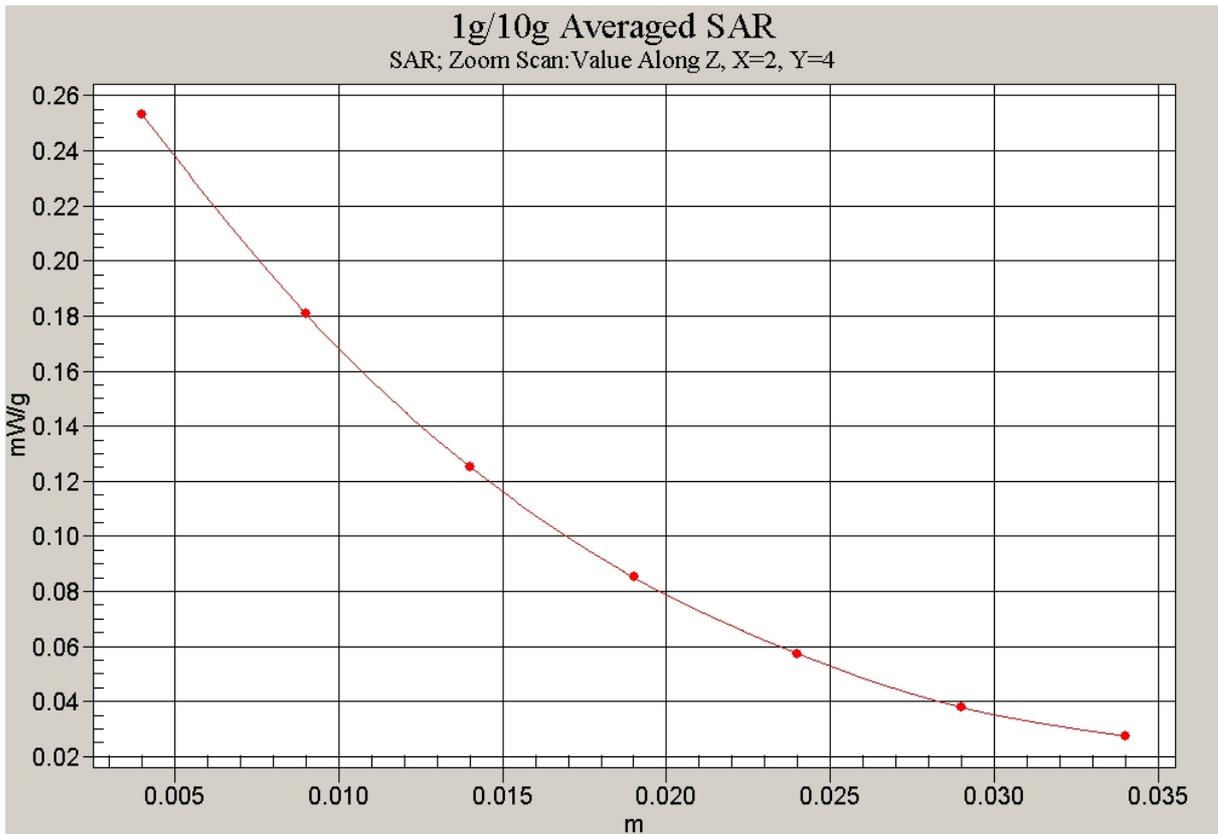


Fig. 240 Z-Scan at power reference point (1900 MHz CH810) – Slide down

**1900 Right Cheek Middle – Slide down**

Date/Time: 2009-2-9 16:55:32

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

Maximum value of SAR (interpolated) = 0.348 mW/g

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

Reference Value = 9.75 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.462 W/kg

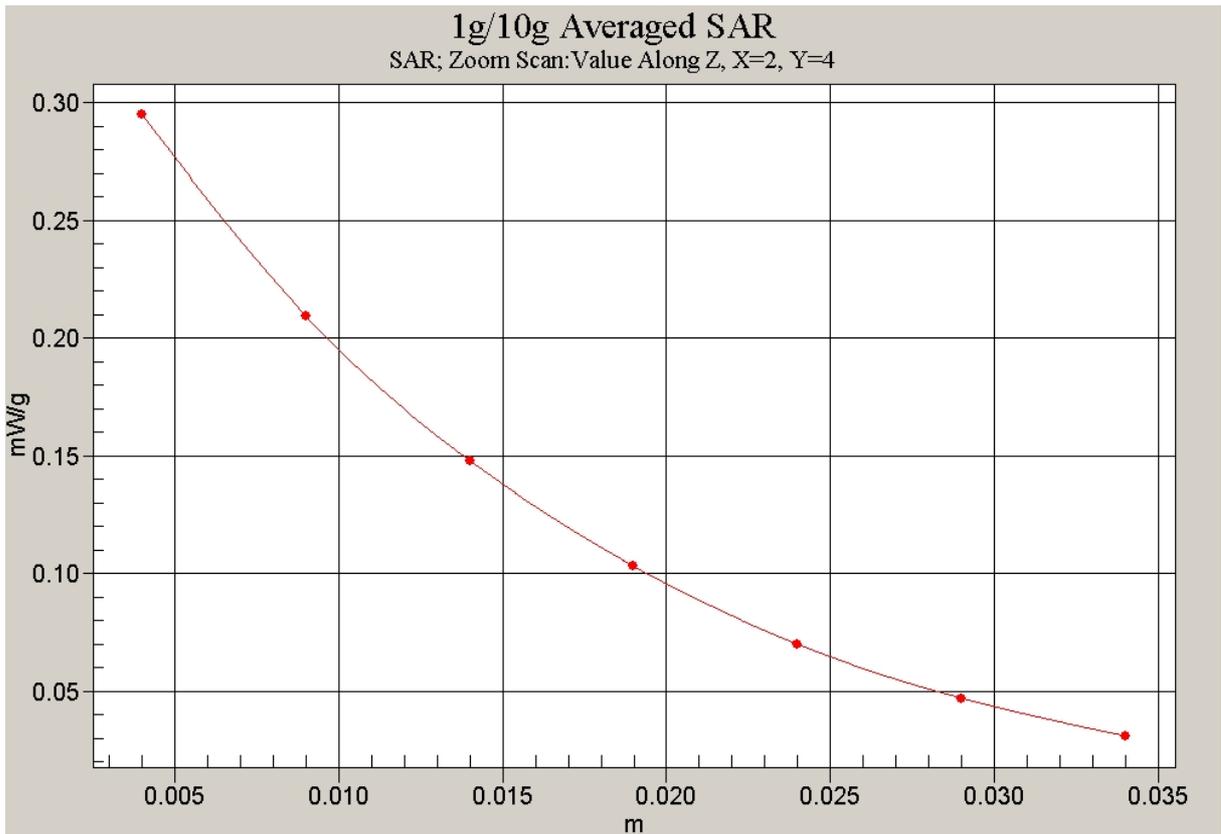
**SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.170 mW/g**

Maximum value of SAR (measured) = 0.295 mW/g



0 dB = 0.295mW/g

**Fig. 241 1900 MHz CH661 – Slide down**



**Fig.242 Z-Scan at power reference point (1900 MHz CH661) – Slide down**

**1900 Right Cheek Low – Slide down**

Date/Time: 2009-2-9 17:08:45

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

Maximum value of SAR (interpolated) = 0.297 mW/g

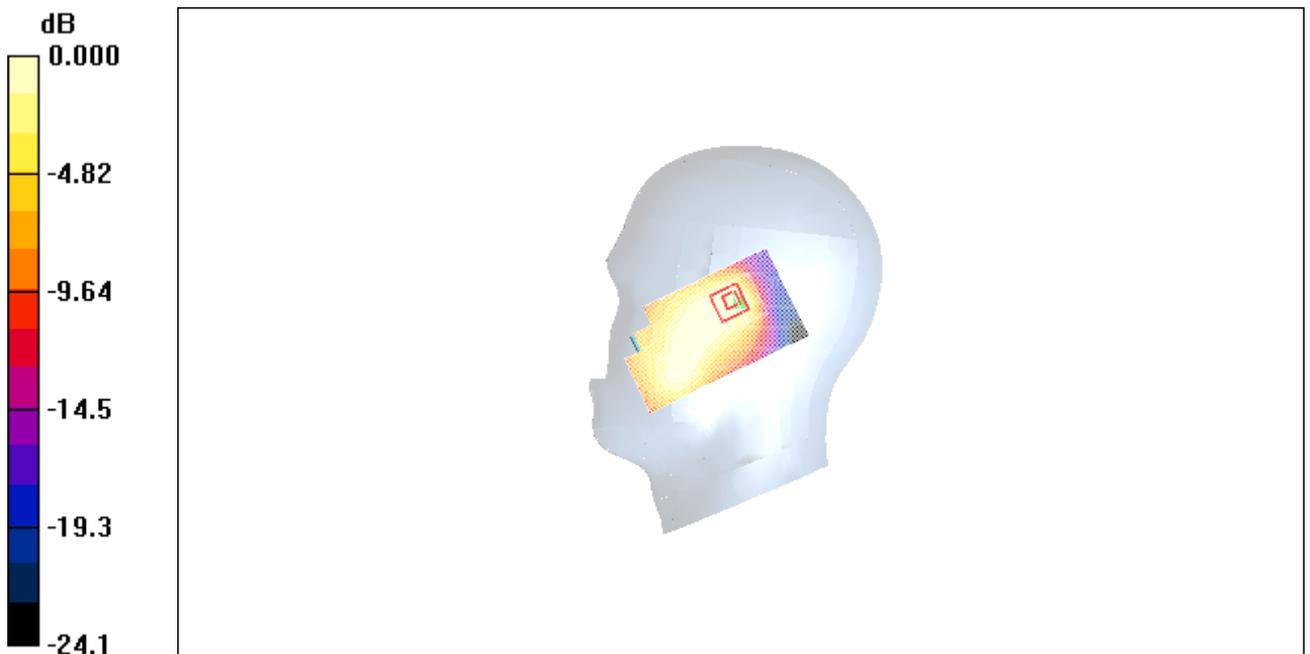
**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.24 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 0.410 W/kg

**SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.150 mW/g**

Maximum value of SAR (measured) = 0.258 mW/g



0 dB = 0.258mW/g

**Fig. 243 1900 MHz CH512 – Slide down**