

Fig. 244 Z-Scan at power reference point (1900 MHz CH512) – Slide down

**1900 Right Tilt High – Slide down**

Date/Time: 2009-2-9 17:21:39

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) = 0.240 mW/g

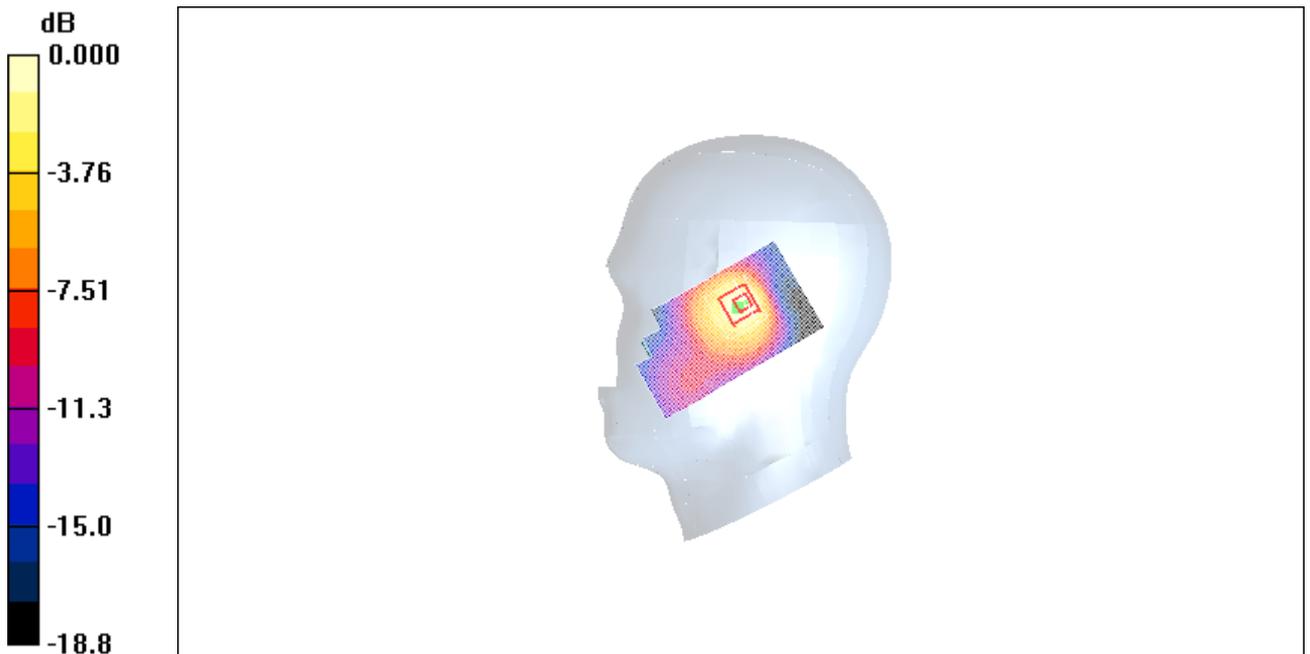
**Tilt High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.44 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.381 W/kg

**SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.124 mW/g**

Maximum value of SAR (measured) = 0.249 mW/g



0 dB = 0.249mW/g

**Fig. 245 1900 MHz CH810 – Slide down**

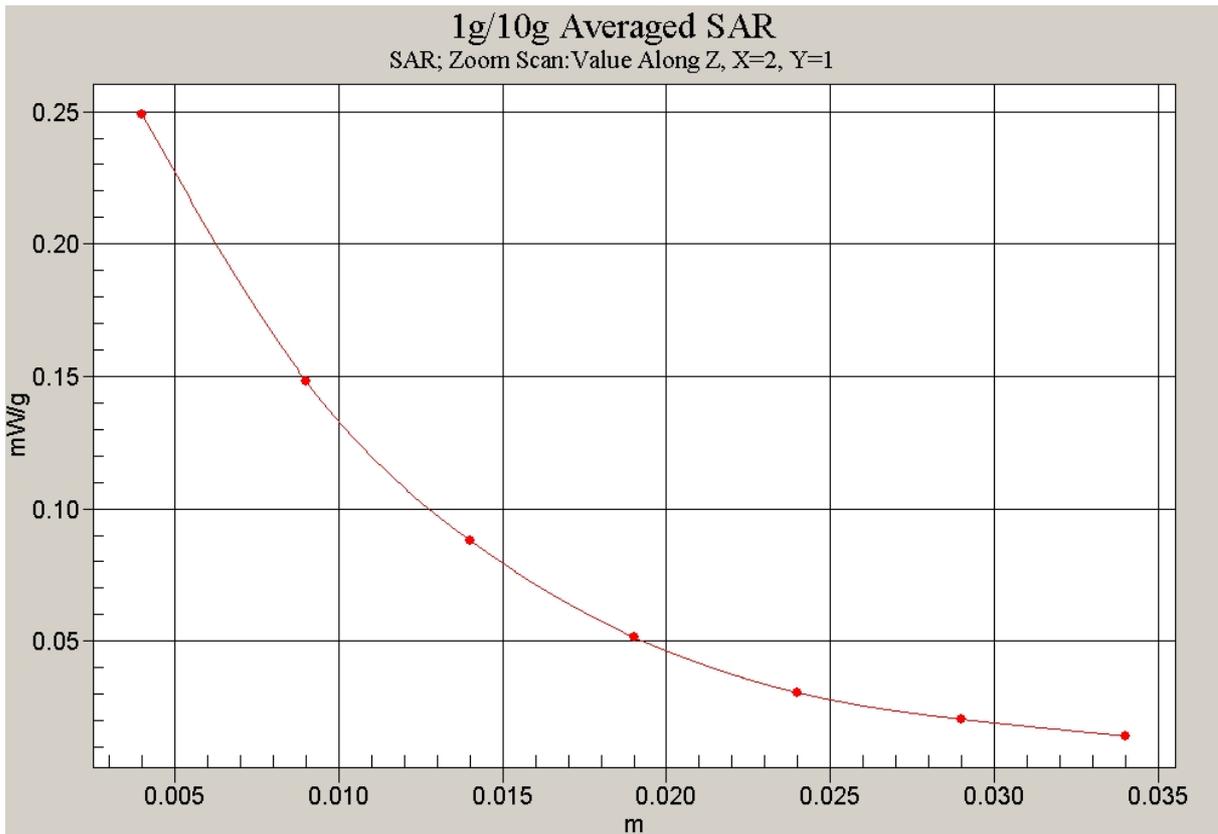


Fig. 246 Z-Scan at power reference point (1900 MHz CH810) – Slide down

**1900 Right Tilt Middle – Slide down**

Date/Time: 2009-2-9 17:34:14

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) = 0.287 mW/g

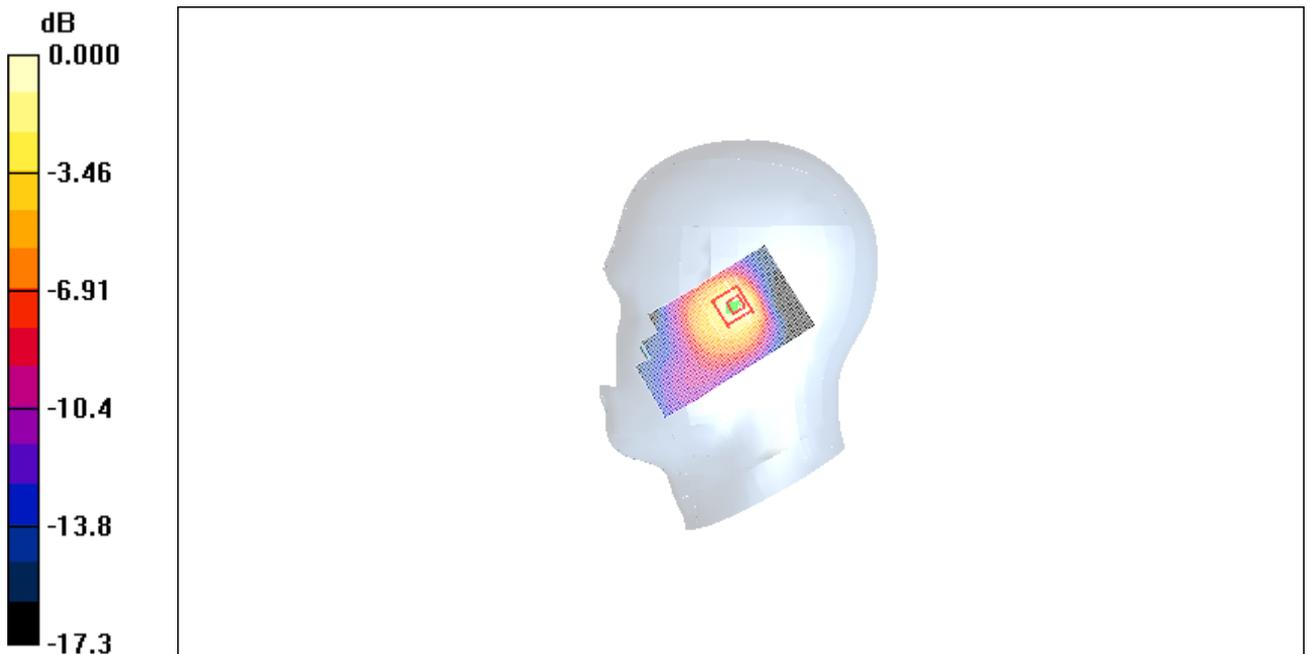
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.05 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.455 W/kg

**SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.146 mW/g**

Maximum value of SAR (measured) = 0.301 mW/g



0 dB = 0.301mW/g

**Fig.247 1900 MHz CH661 – Slide down**

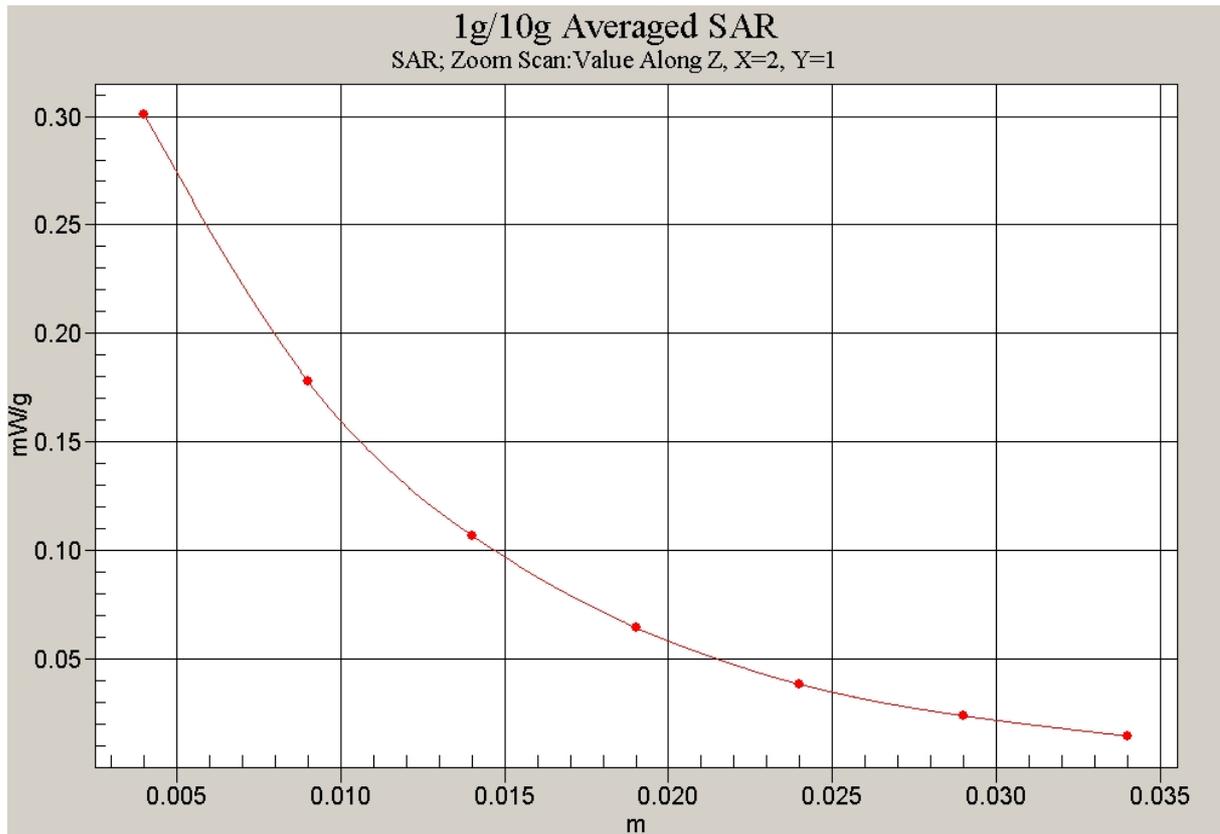


Fig. 248 Z-Scan at power reference point (1900 MHz CH661) – Slide down

**1900 Right Tilt Low – Slide down**

Date/Time: 2009-2-9 17:47:50

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) = 0.276 mW/g

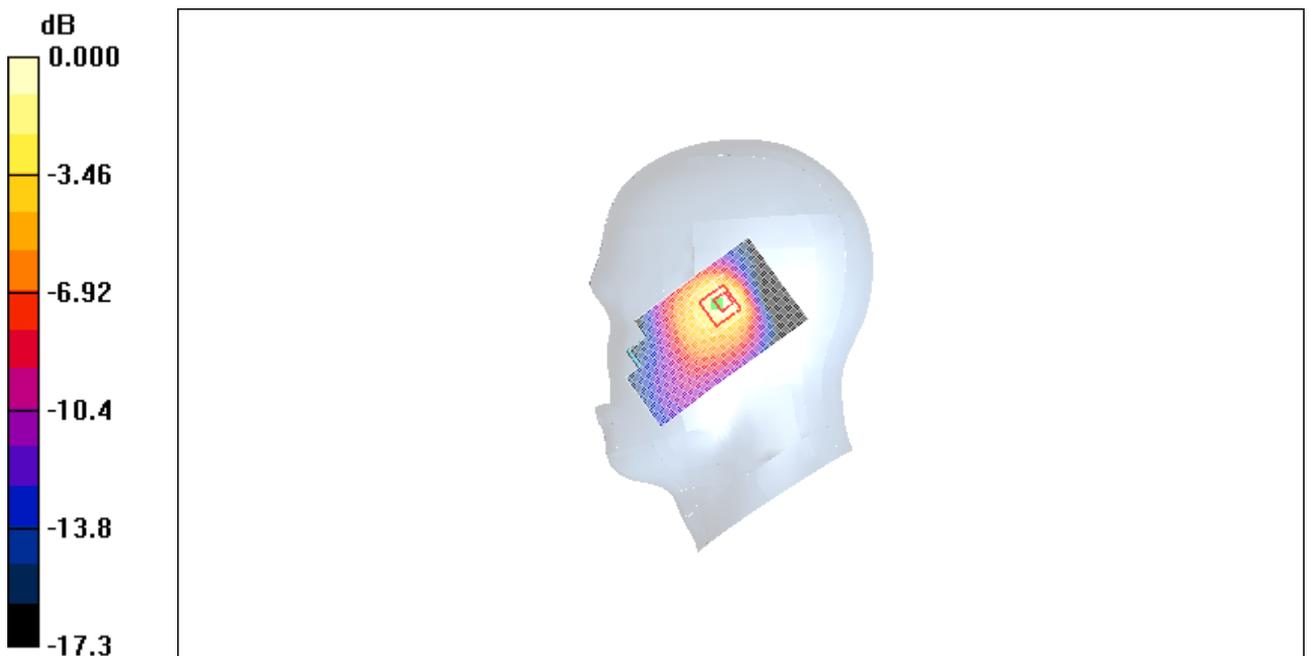
**Tilt Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.64 V/m; Power Drift = 0.080 dB

Peak SAR (extrapolated) = 0.440 W/kg

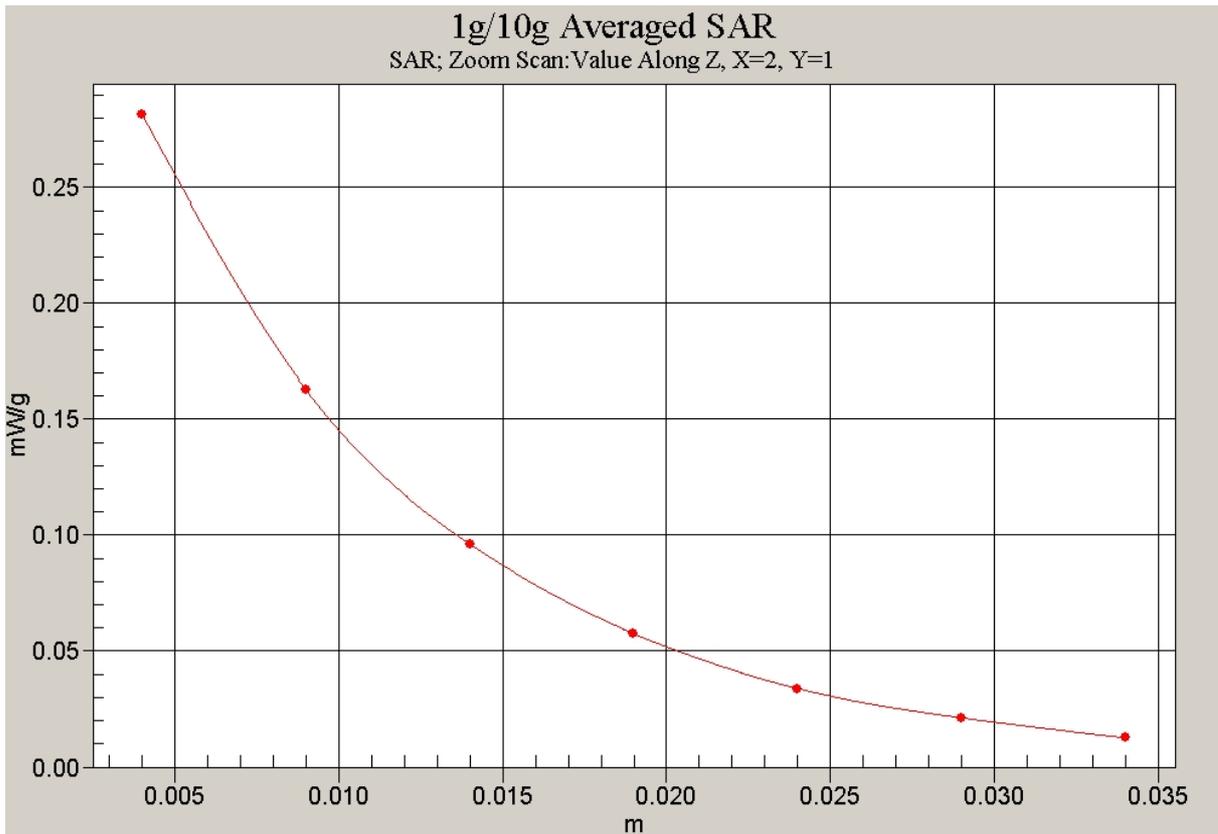
**SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.138 mW/g**

Maximum value of SAR (measured) = 0.281 mW/g



0 dB = 0.281mW/g

**Fig.249 1900 MHz CH512 – Slide down**



**Fig.250 Z-Scan at power reference point (1900 MHz CH512) – Slide down**

**1900 Left Cheek High – Slide up**

Date/Time: 2009-2-9 18:00:37

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.201 mW/g

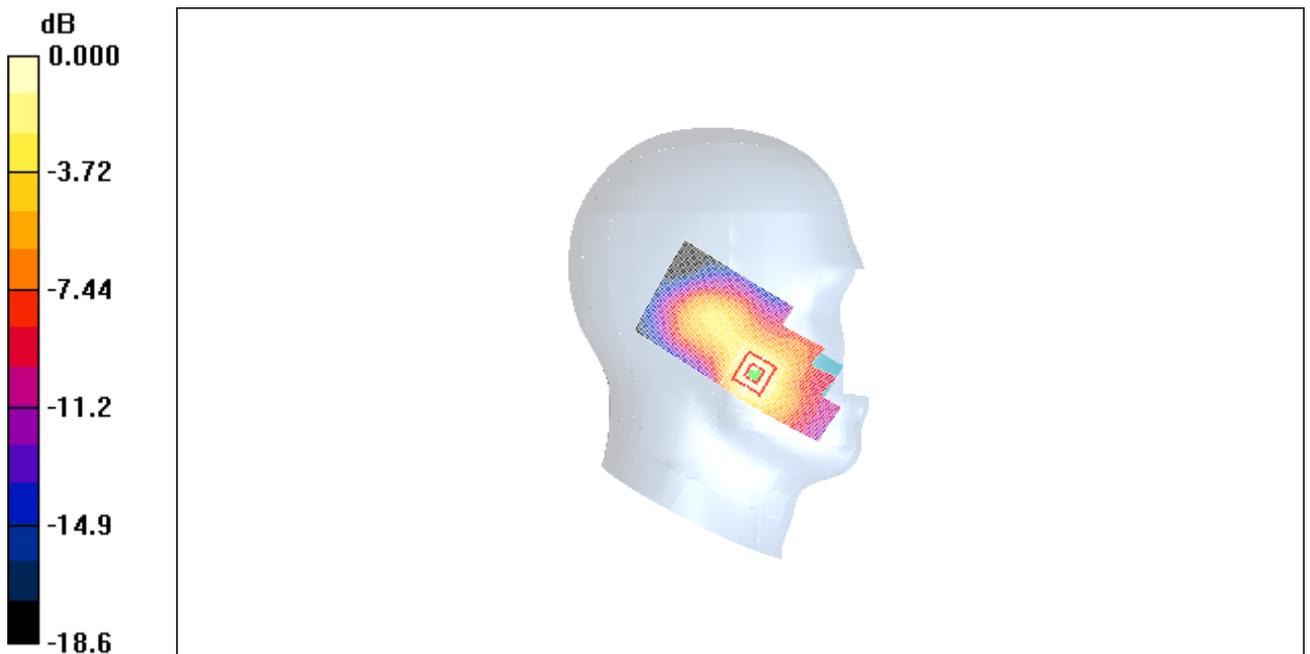
**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.86 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.283 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.109 mW/g**

Maximum value of SAR (measured) = 0.204 mW/g



0 dB = 0.204mW/g

**Fig. 251 1900 MHz CH810 – Slide up**

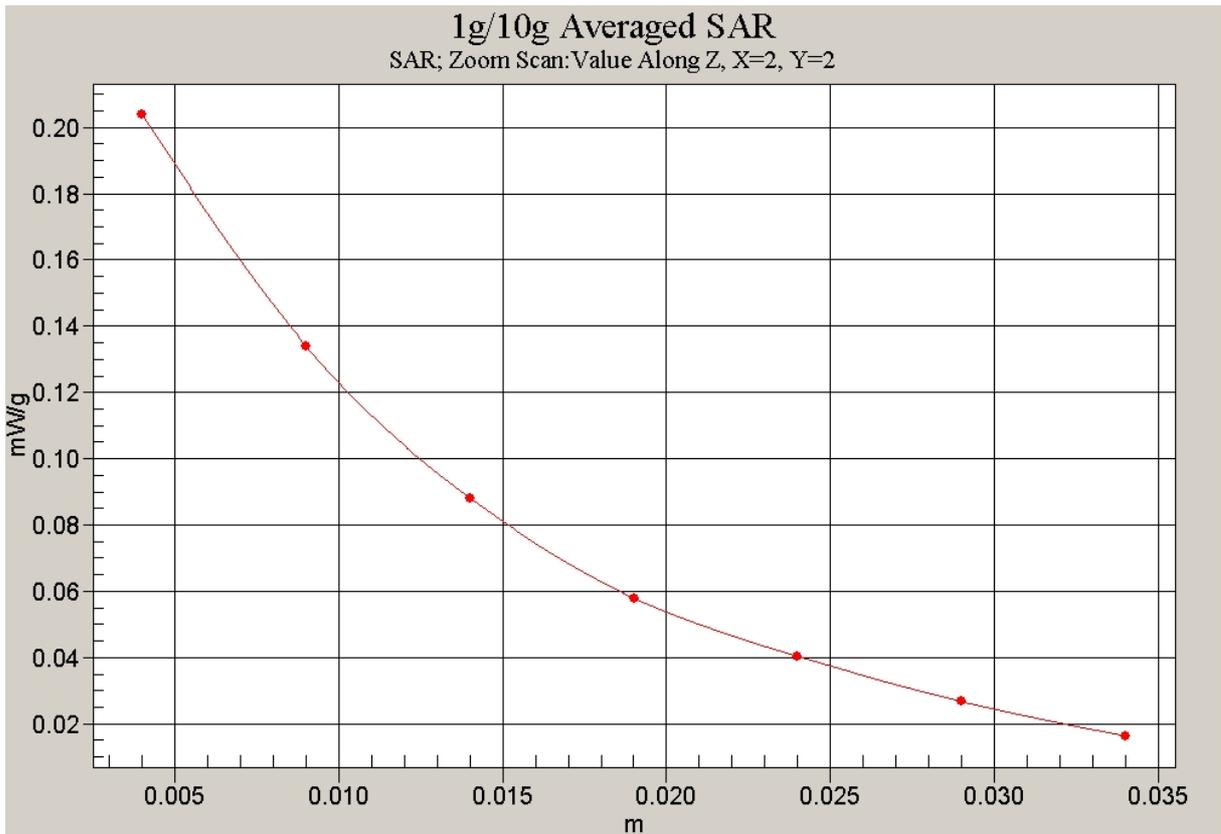


Fig. 252 Z-Scan at power reference point (1900 MHz CH810) – Slide up

**1900 Left Cheek Middle – Slide up**

Date/Time: 2009-2-9 18:13:12

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.279 mW/g

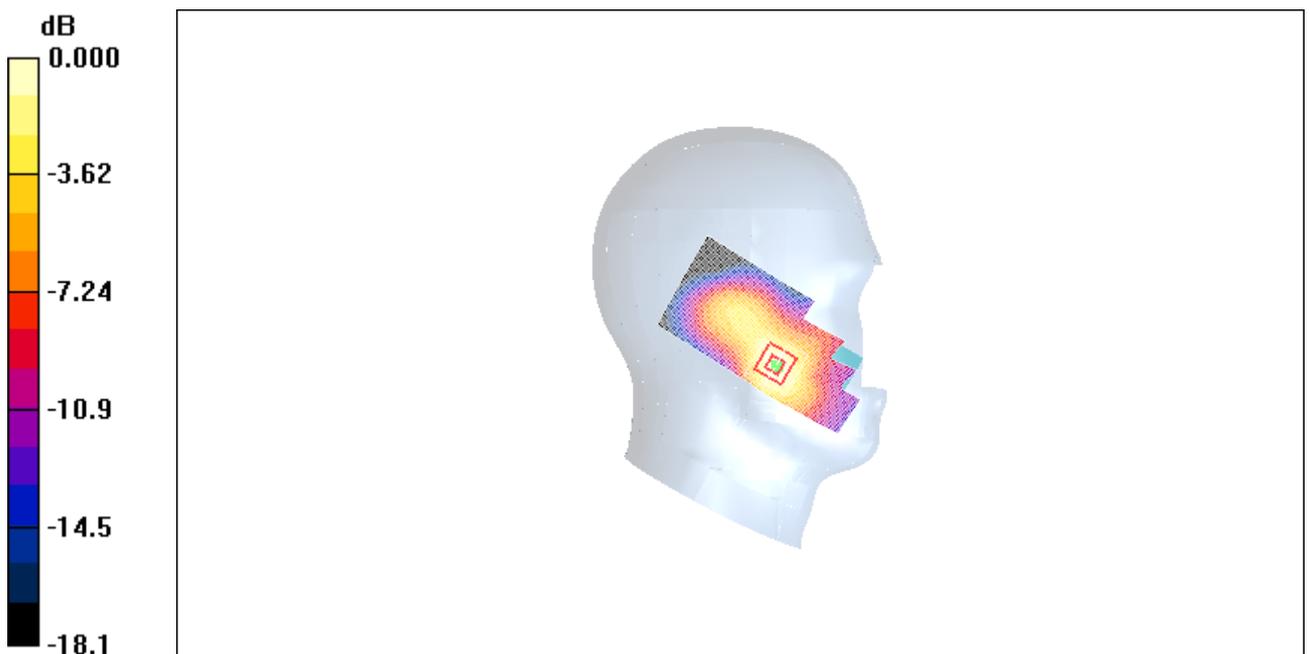
**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.04 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.382 W/kg

**SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.151 mW/g**

Maximum value of SAR (measured) = 0.278 mW/g



0 dB = 0.278mW/g

**Fig. 253 1900 MHz CH661 – Slide up**

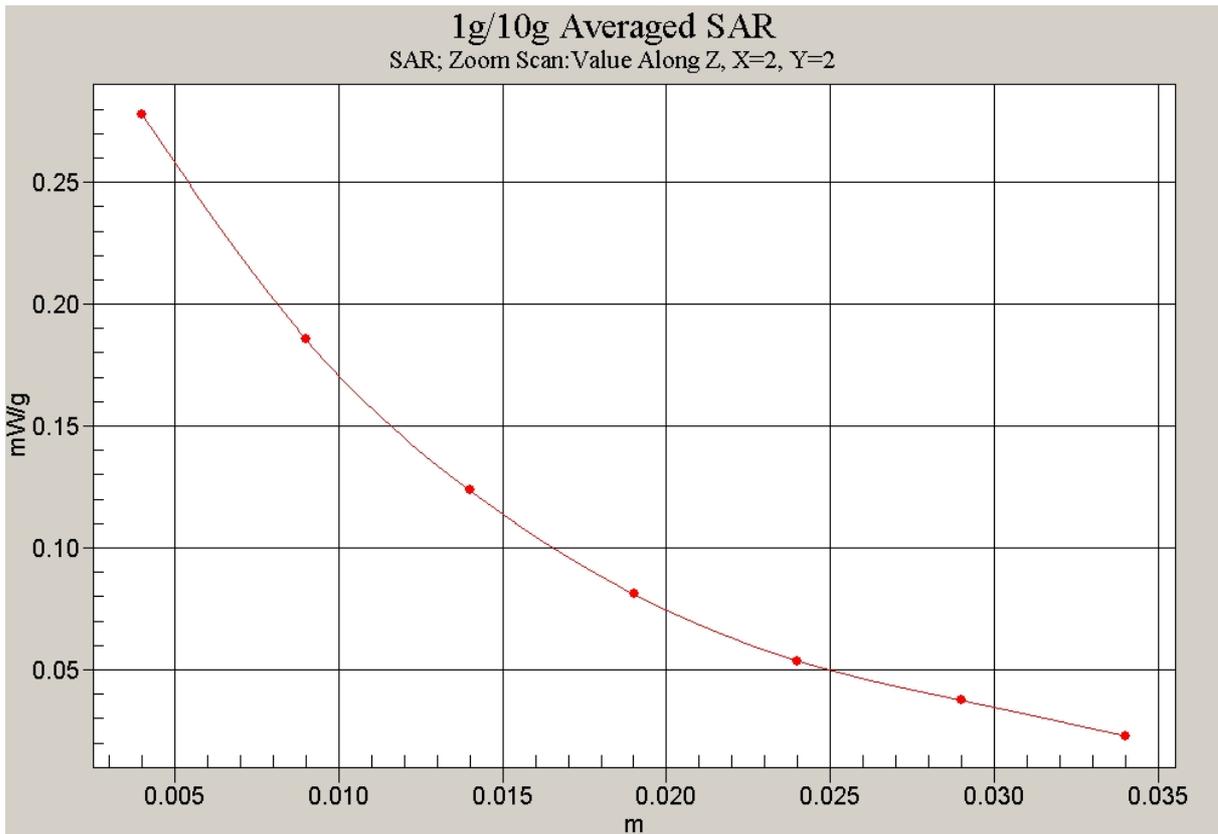


Fig. 254 Z-Scan at power reference point (1900 MHz CH661) – Slide up

**1900 Left Cheek Low – Silde up**

Date/Time: 2009-2-9 18:26:31

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.302 mW/g

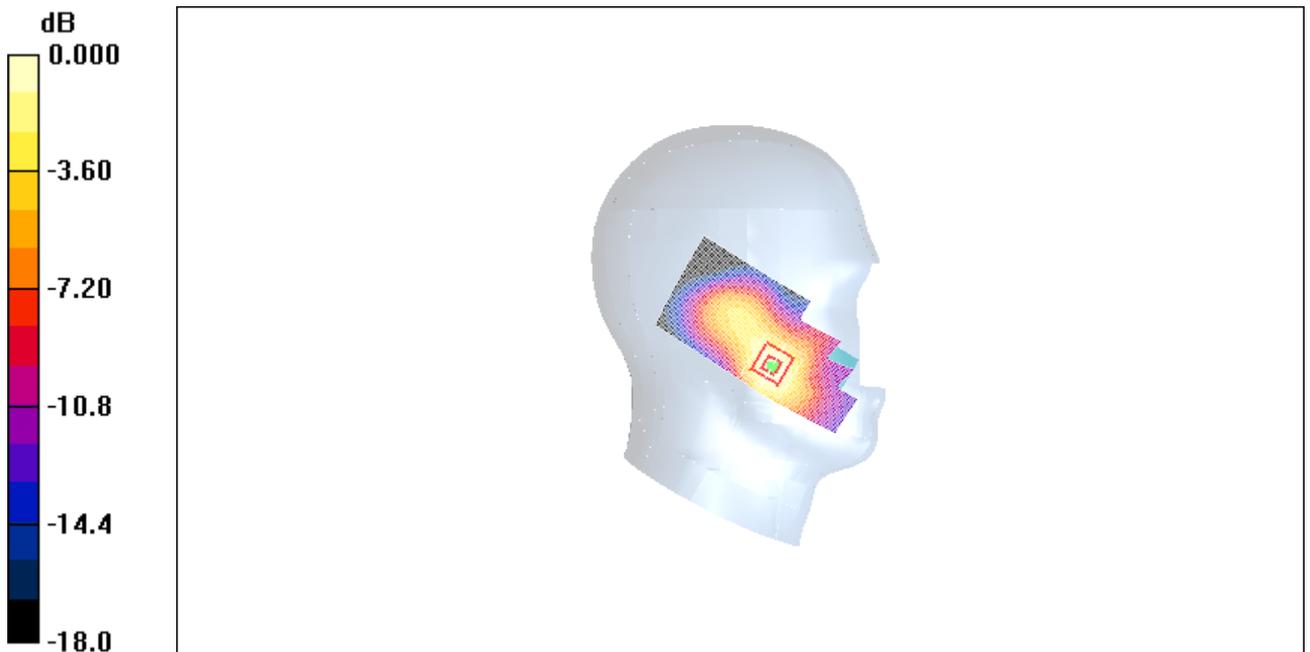
**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.71 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.416 W/kg

**SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.165 mW/g**

Maximum value of SAR (measured) = 0.303 mW/g



0 dB = 0.303mW/g

**Fig. 255 1900 MHz CH512 – Slide up**

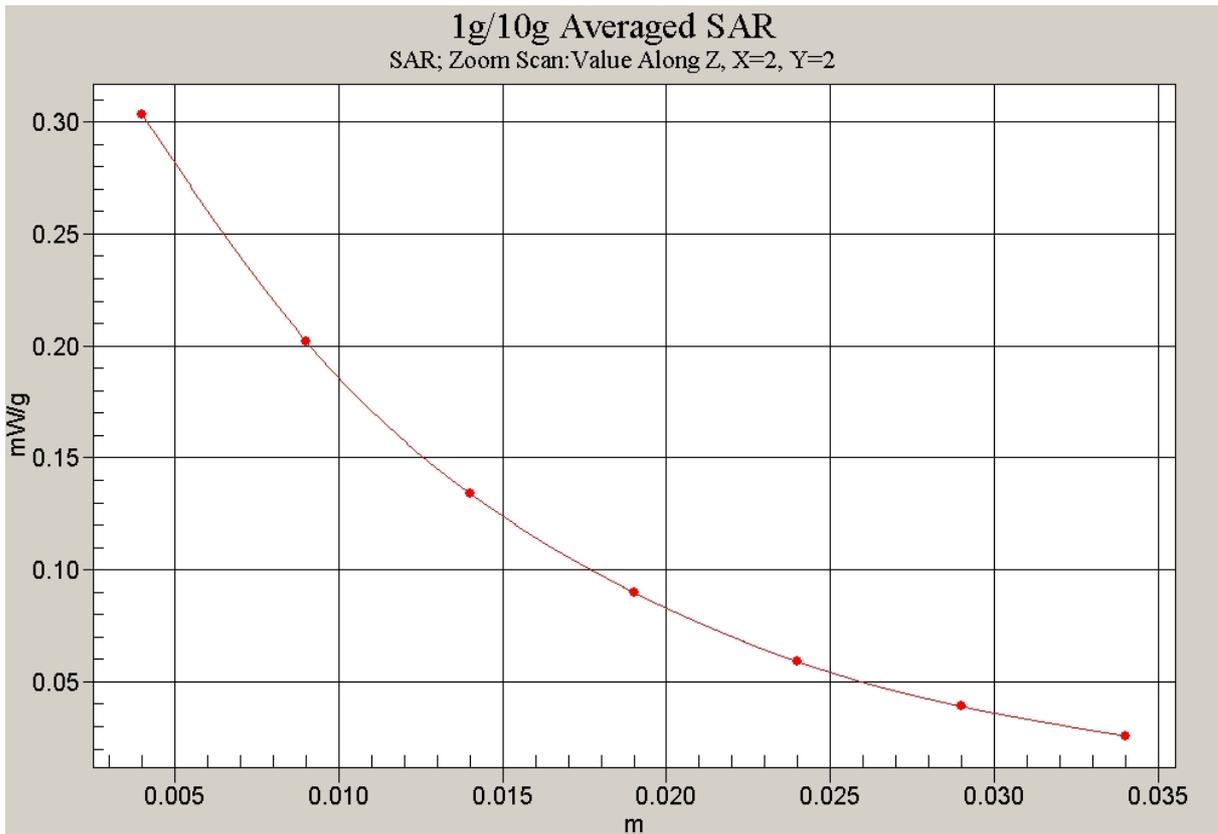


Fig. 256 Z-Scan at power reference point (1900 MHz CH512) – Slide up

**1900 Left Tilt High – Slide up**

Date/Time: 2009-2-9 18:39:42

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

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

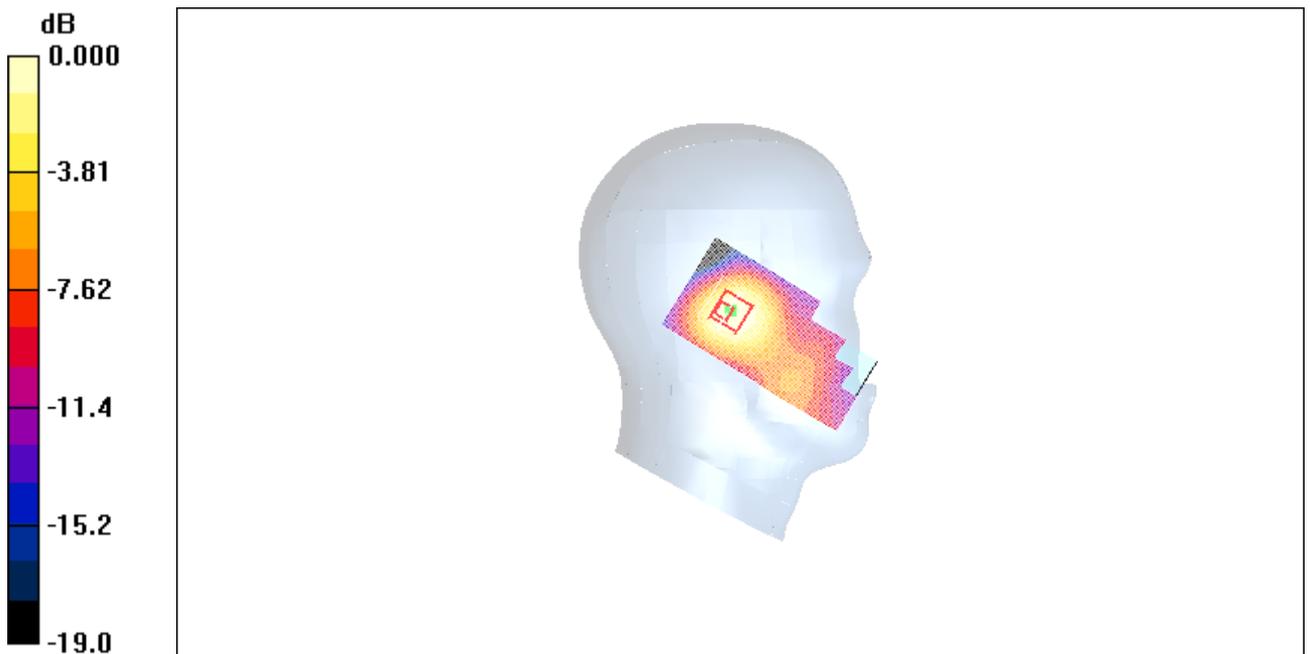
**Tilt High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.47 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.073 mW/g**

Maximum value of SAR (measured) = 0.123 mW/g



0 dB = 0.123mW/g

**Fig.257 1900 MHz CH810 – Slide up**

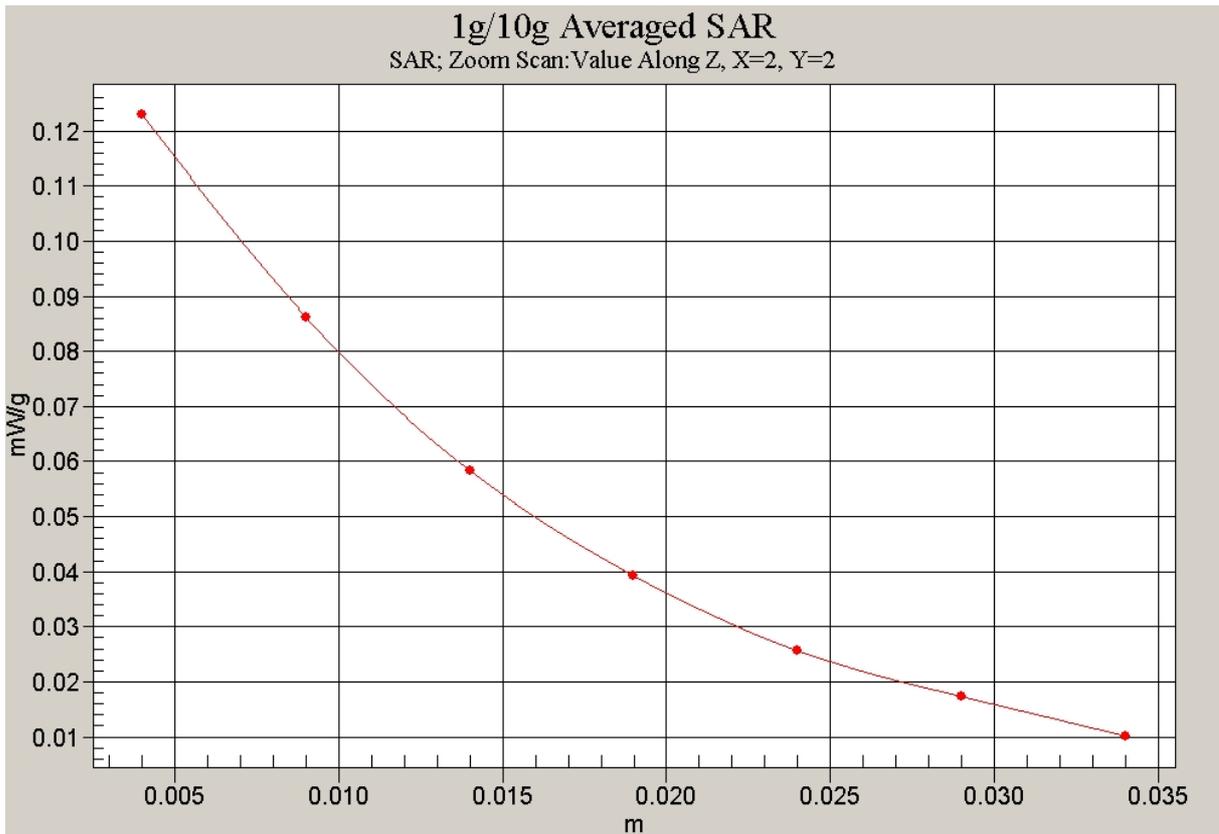


Fig. 258 Z-Scan at power reference point (1900 MHz CH810) – Slide up

**1900 Left Tilt Middle – Slide up**

Date/Time: 2009-2-9 18:52:09

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.183 mW/g

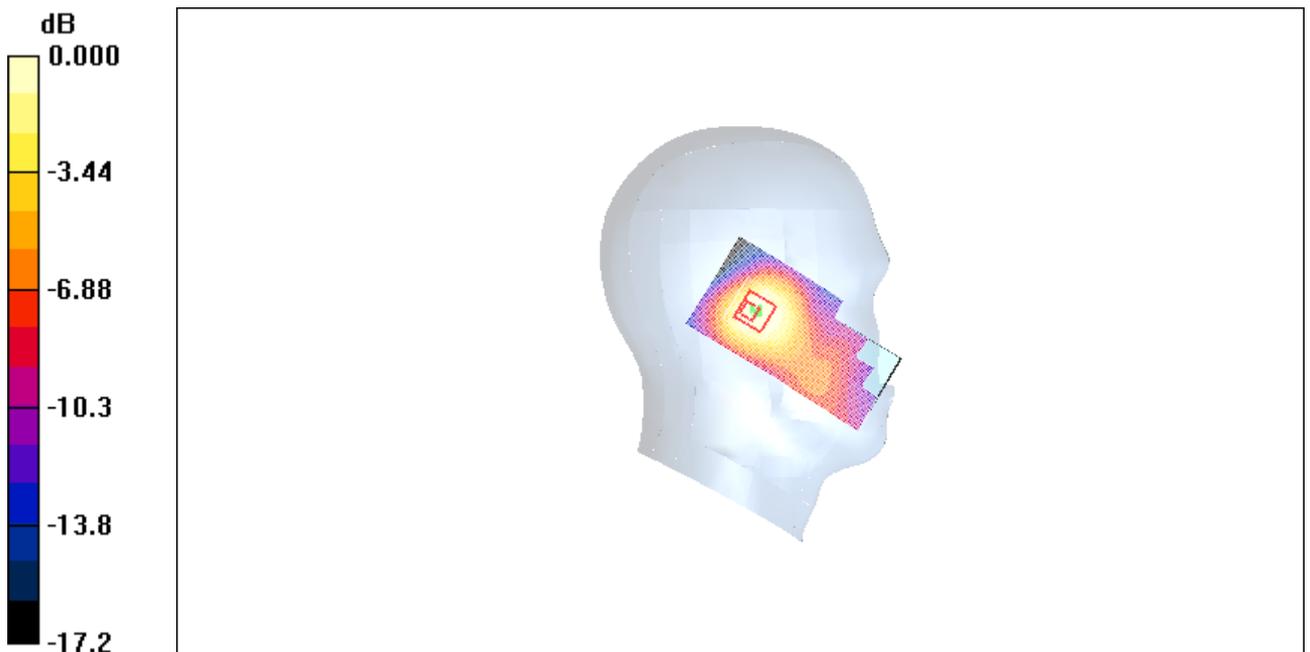
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.18 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.209 W/kg

**SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.092 mW/g**

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



0 dB = 0.151mW/g

**Fig. 259 1900 MHz CH661 – Slide up**

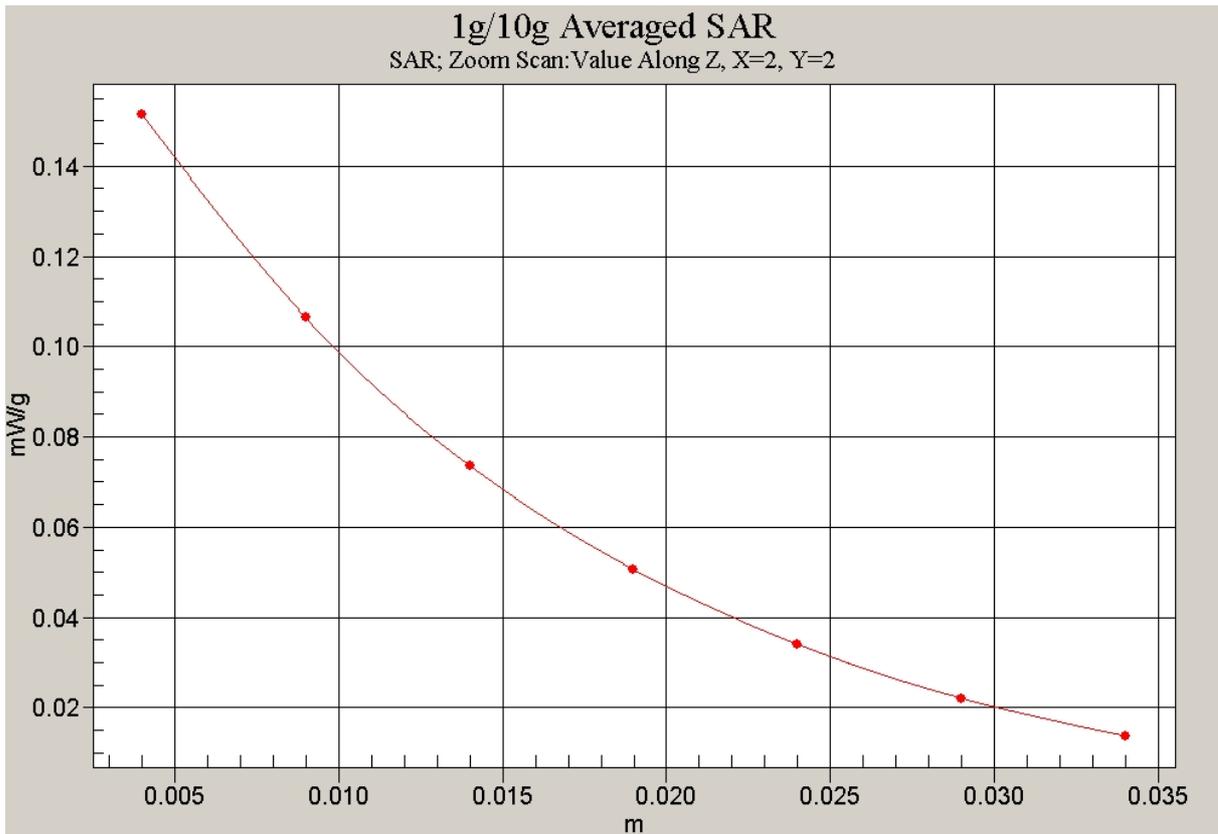


Fig. 260 Z-Scan at power reference point (1900 MHz CH661) – Slide up

**1900 Left Tilt Low – Slide up**

Date/Time: 2009-2-9 19:05:22

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.187 mW/g

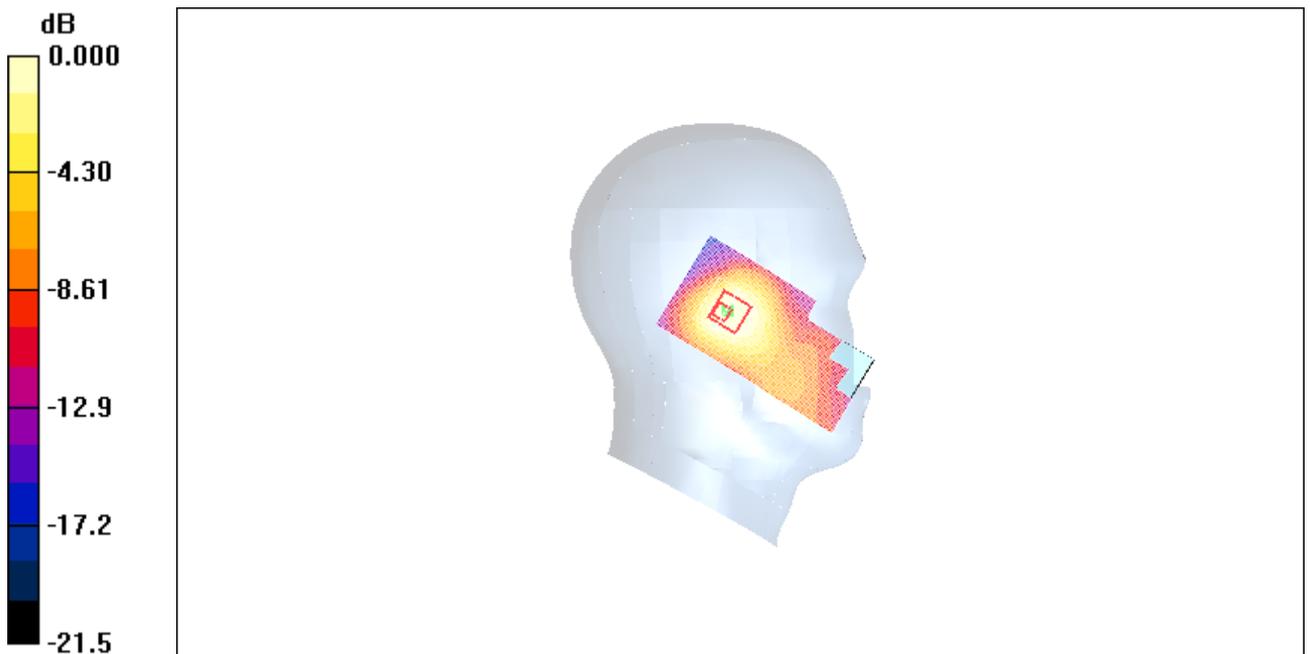
**Tilt Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.10 V/m; Power Drift = 0.121 dB

Peak SAR (extrapolated) = 0.207 W/kg

**SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.094 mW/g**

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



0 dB = 0.151mW/g

**Fig. 261 1900 MHz CH512 – Slide up**

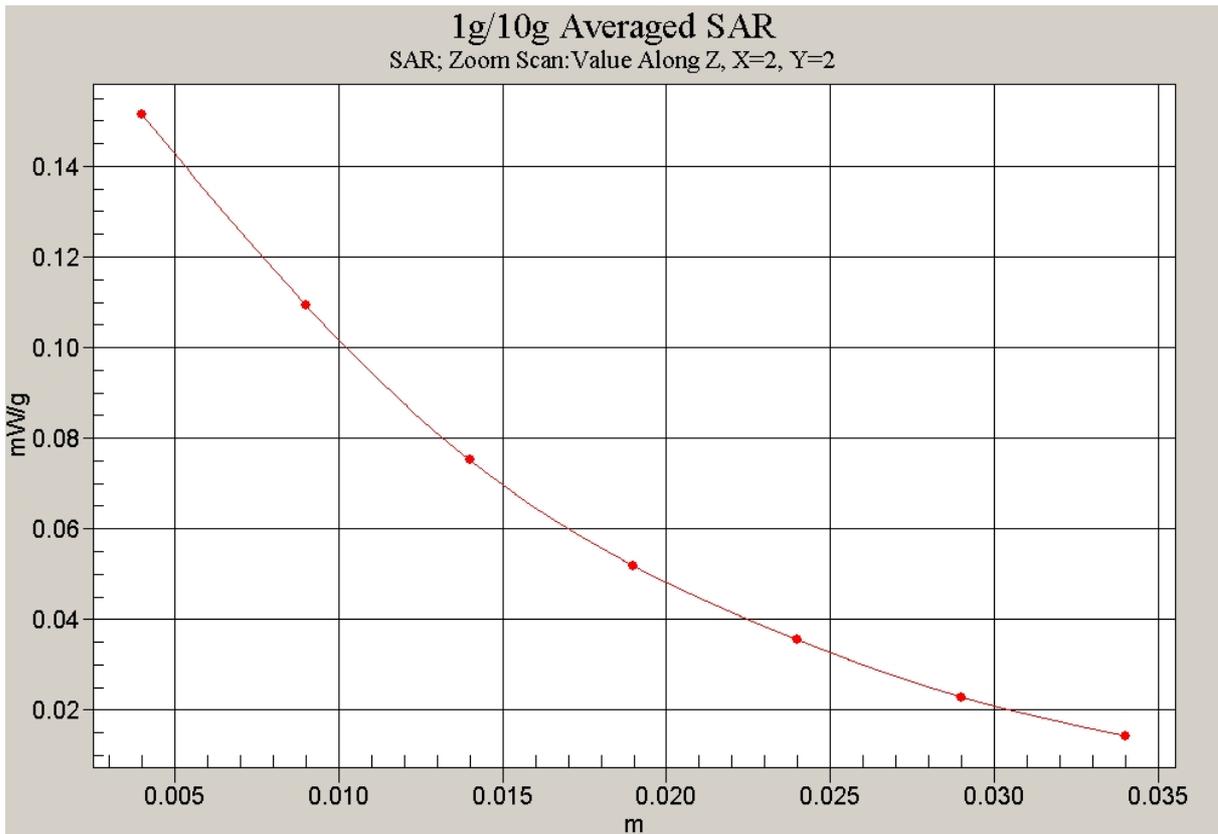


Fig. 262 Z-Scan at power reference point (1900 MHz CH512) – Slide up

**1900 Right Cheek High – Slide up**

Date/Time: 2009-2-9 19:18:27

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.147 mW/g

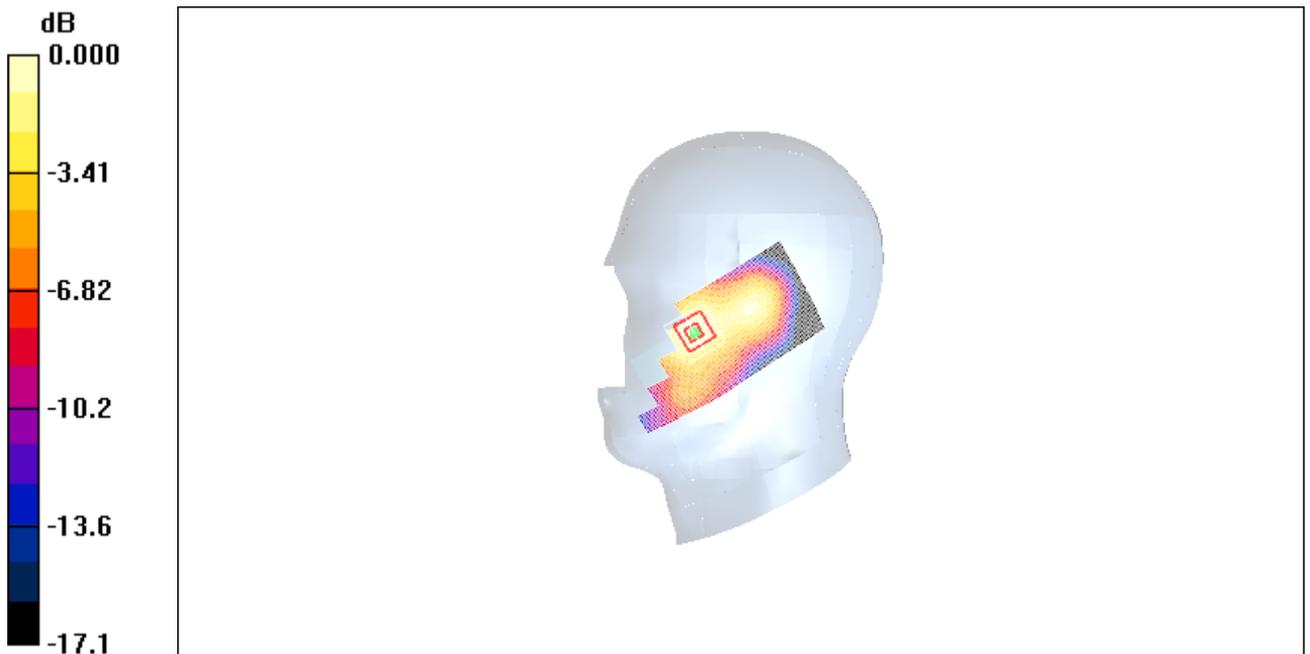
**Cheek High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.95 V/m; Power Drift = 0.200 dB

Peak SAR (extrapolated) = 0.210 W/kg

**SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.146 mW/g



0 dB = 0.146mW/g

**Fig. 263 1900 MHz CH810 – Slide up**

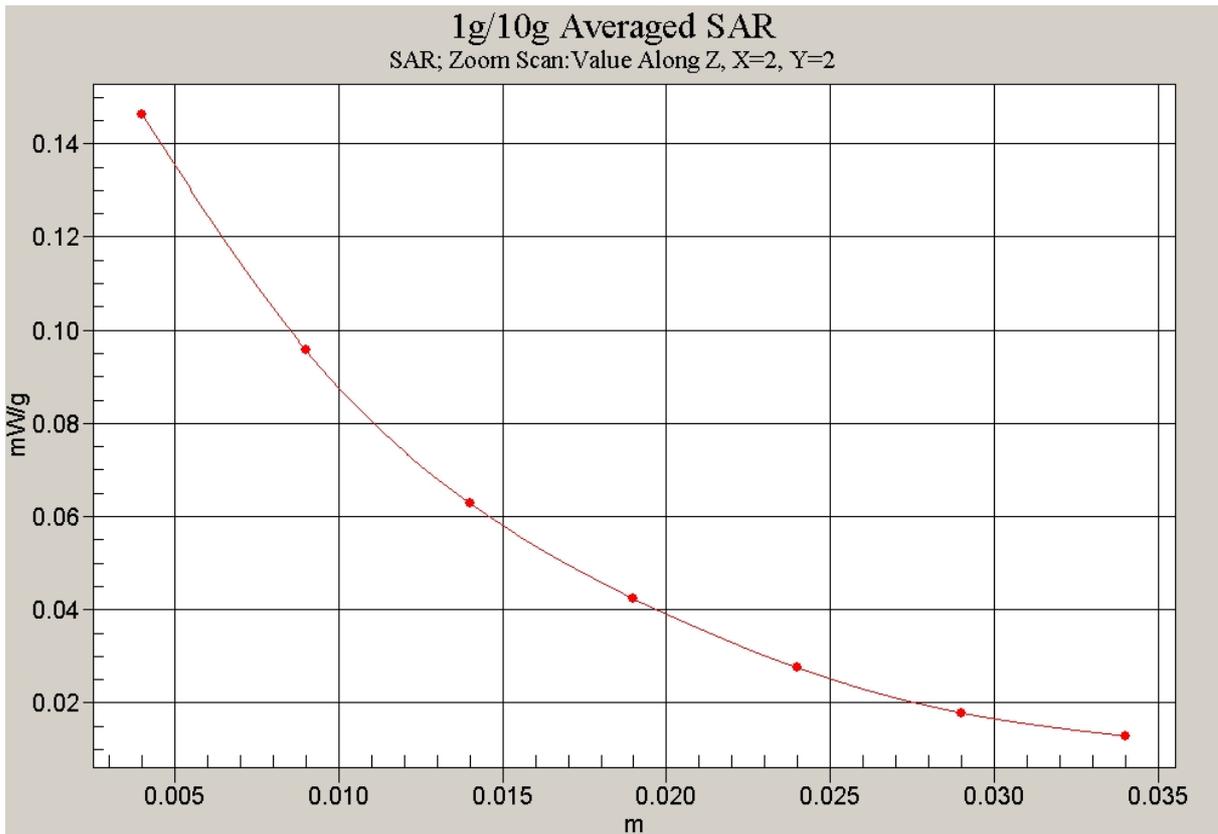


Fig. 264 Z-Scan at power reference point (1900 MHz CH810) – Slide up

**1900 Right Cheek Middle – Slide up**

Date/Time: 2009-2-9 19:31:19

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.201 mW/g

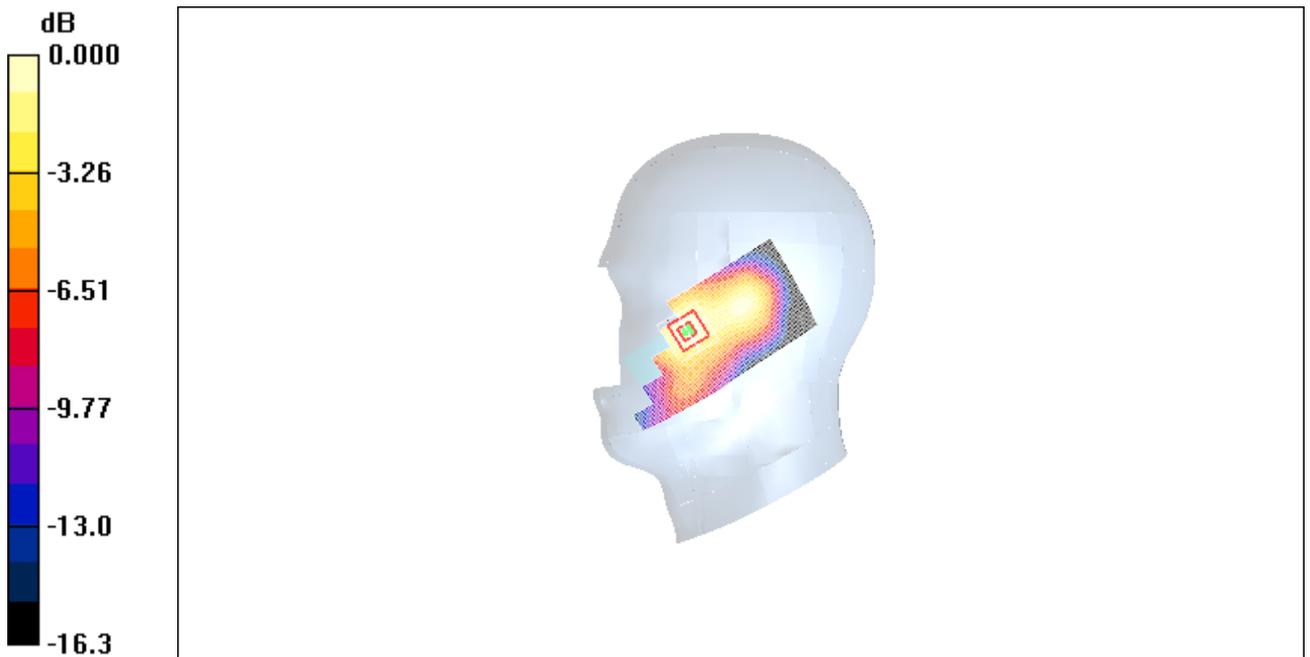
**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.62 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.112 mW/g**

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



0 dB = 0.199mW/g

**Fig. 265 1900 MHz CH661 – Slide up**

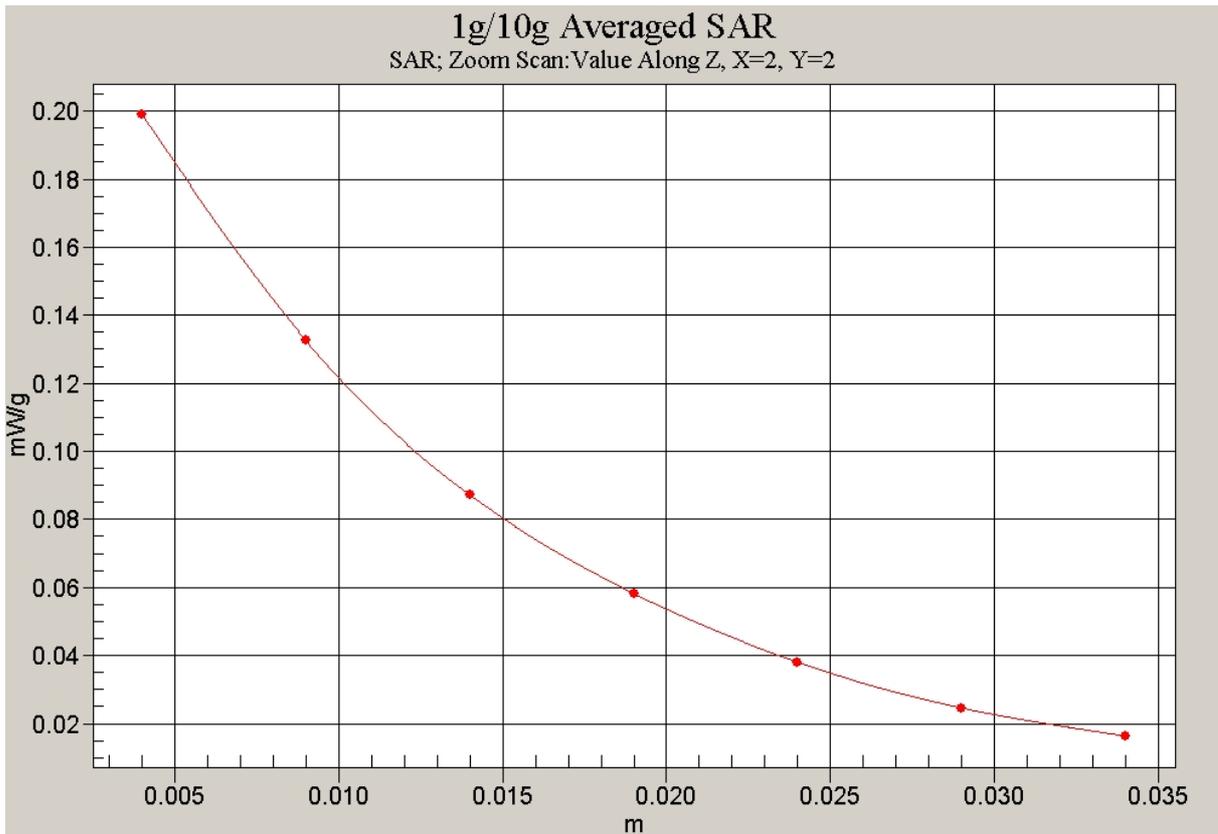


Fig.266 Z-Scan at power reference point (1900 MHz CH661) – Slide up

**1900 Right Cheek Low – Slide up**

Date/Time: 2009-2-9 19:44:36

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.211 mW/g

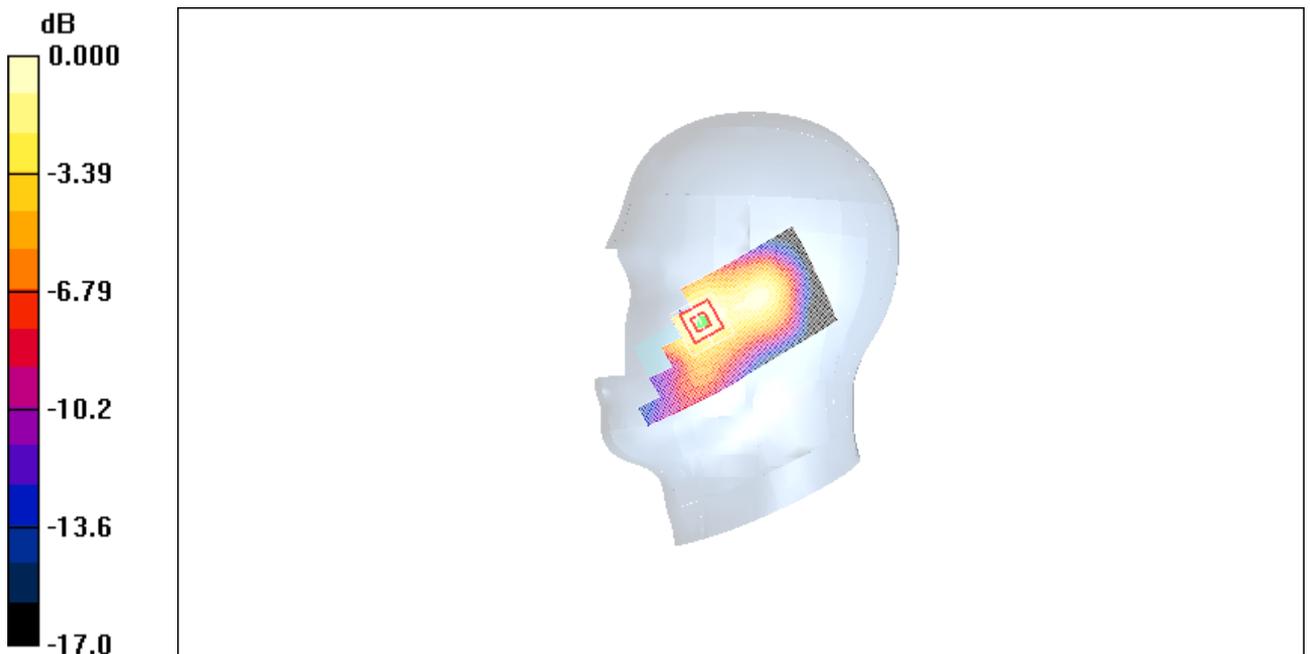
**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.57 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 0.289 W/kg

**SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.119 mW/g**

Maximum value of SAR (measured) = 0.209 mW/g



0 dB = 0.209mW/g

**Fig. 267 1900 MHz CH512 – Slide up**

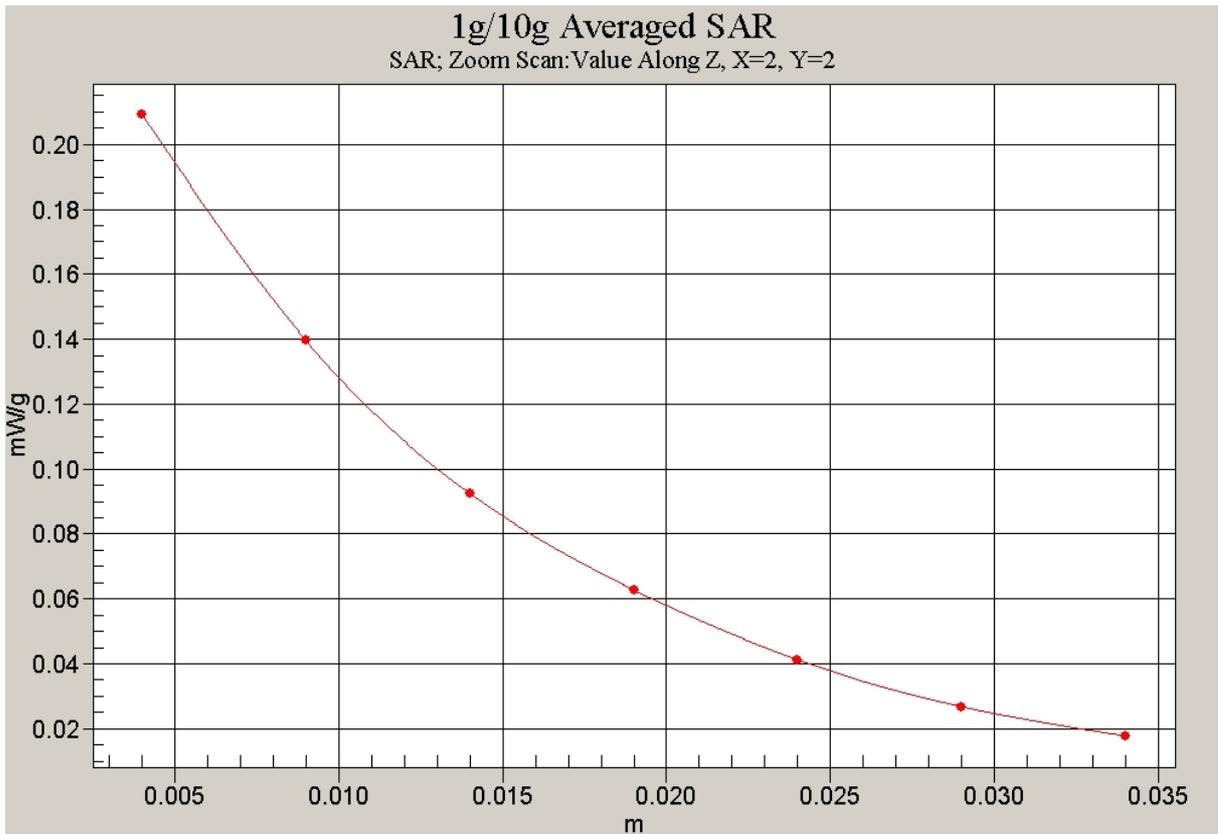


Fig. 268 Z-Scan at power reference point (1900 MHz CH512) – Slide up

**1900 Right Tilt High – Slide up**

Date/Time: 2009-2-9 19:57:24

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.162 mW/g

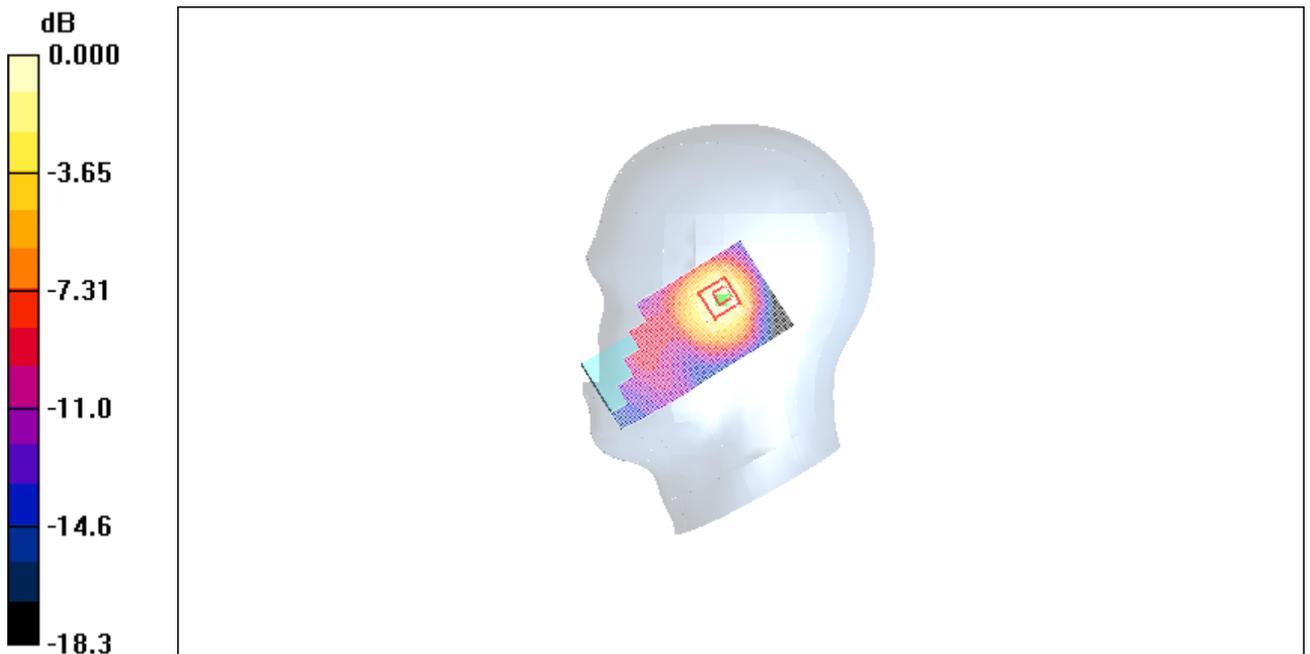
**Tilt High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.24 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.215 W/kg

**SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.081 mW/g**

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



0 dB = 0.141mW/g

**Fig. 269 1900 MHz CH810 – Slide up**

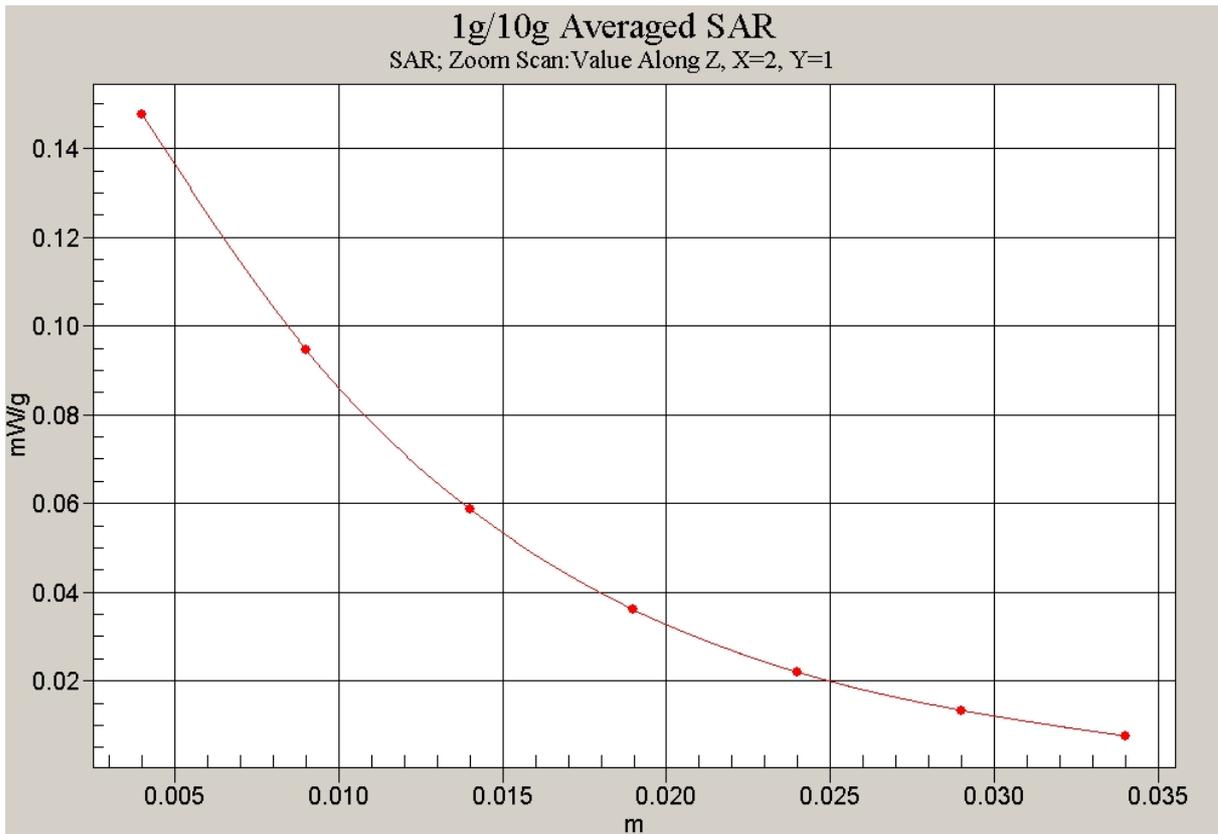


Fig. 270 Z-Scan at power reference point (1900 MHz CH810) – Slide up

**1900 Right Tilt Middle – Slide up**

Date/Time: 2009-2-9 20:10:16

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.224 mW/g

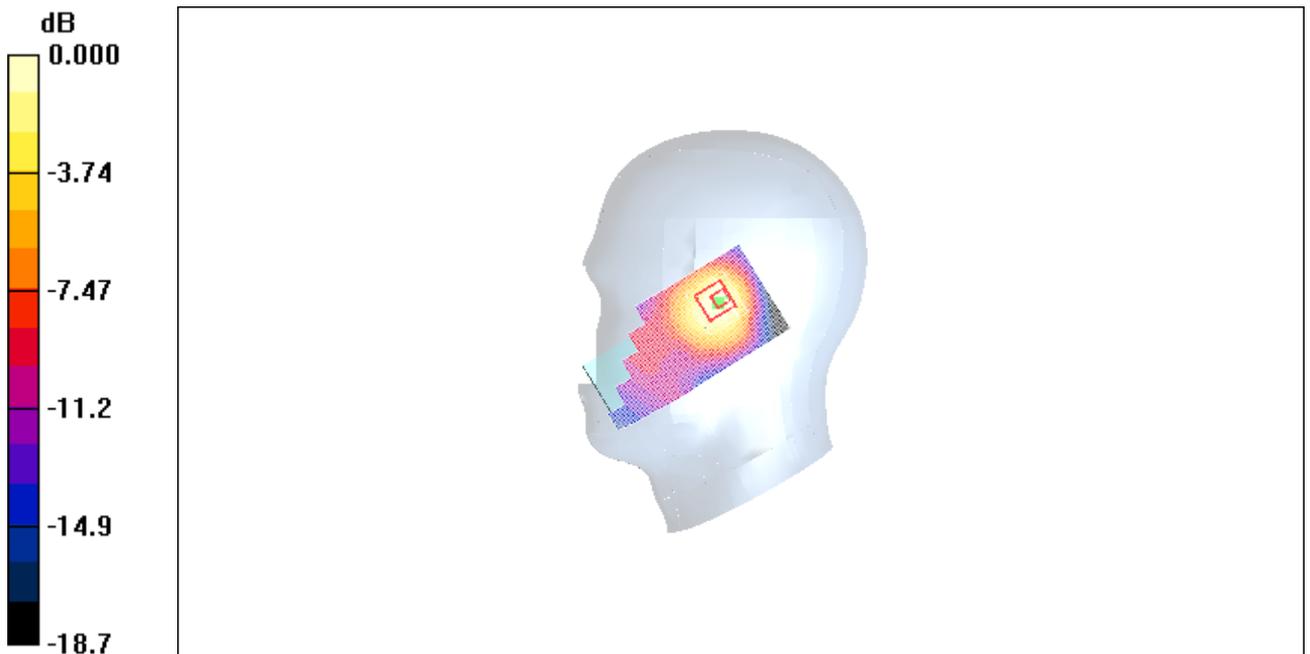
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.38 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.288 W/kg

**SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.112 mW/g**

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



0 dB = 0.189mW/g

**Fig.271 1900 MHz CH661 – Slide up**

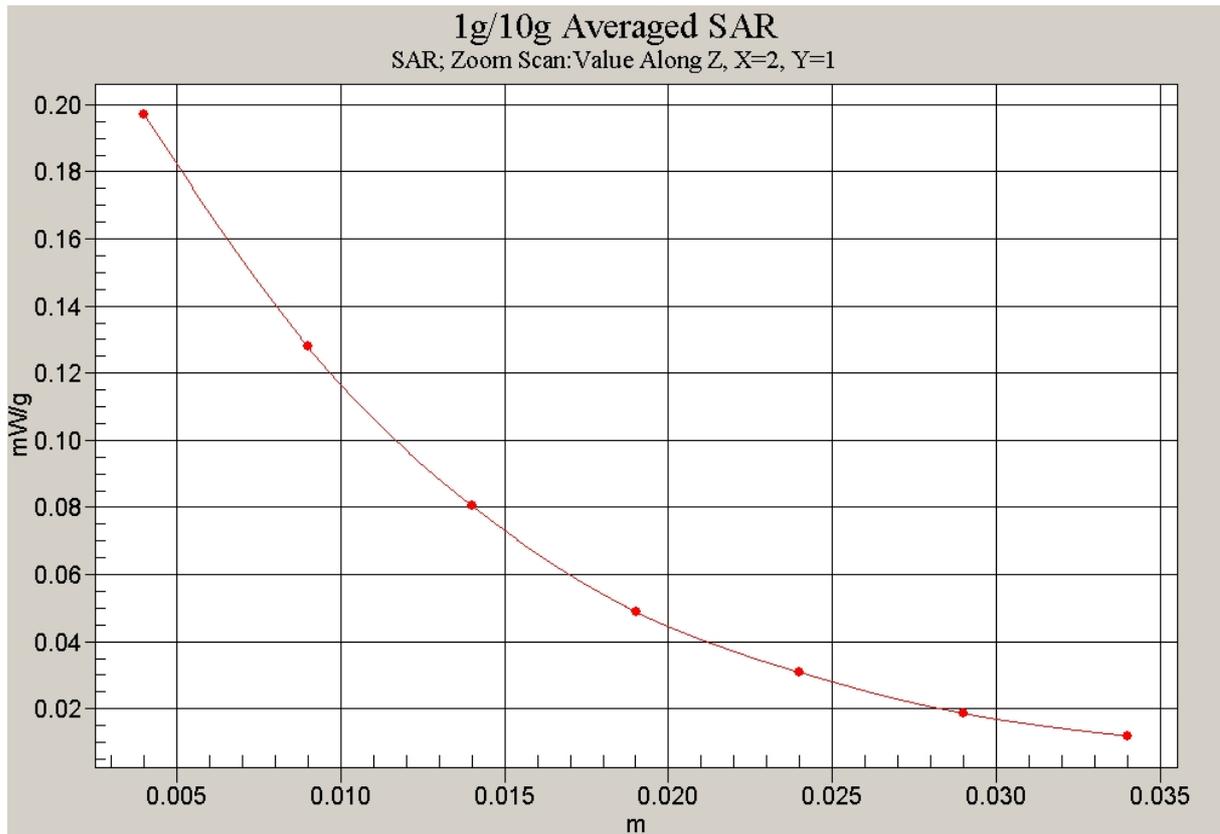


Fig. 272 Z-Scan at power reference point (1900 MHz CH661) – Slide up

**1900 Right Tilt Low – Slide up**

Date/Time: 2009-2-9 20:23:37

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 (51x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.226 mW/g

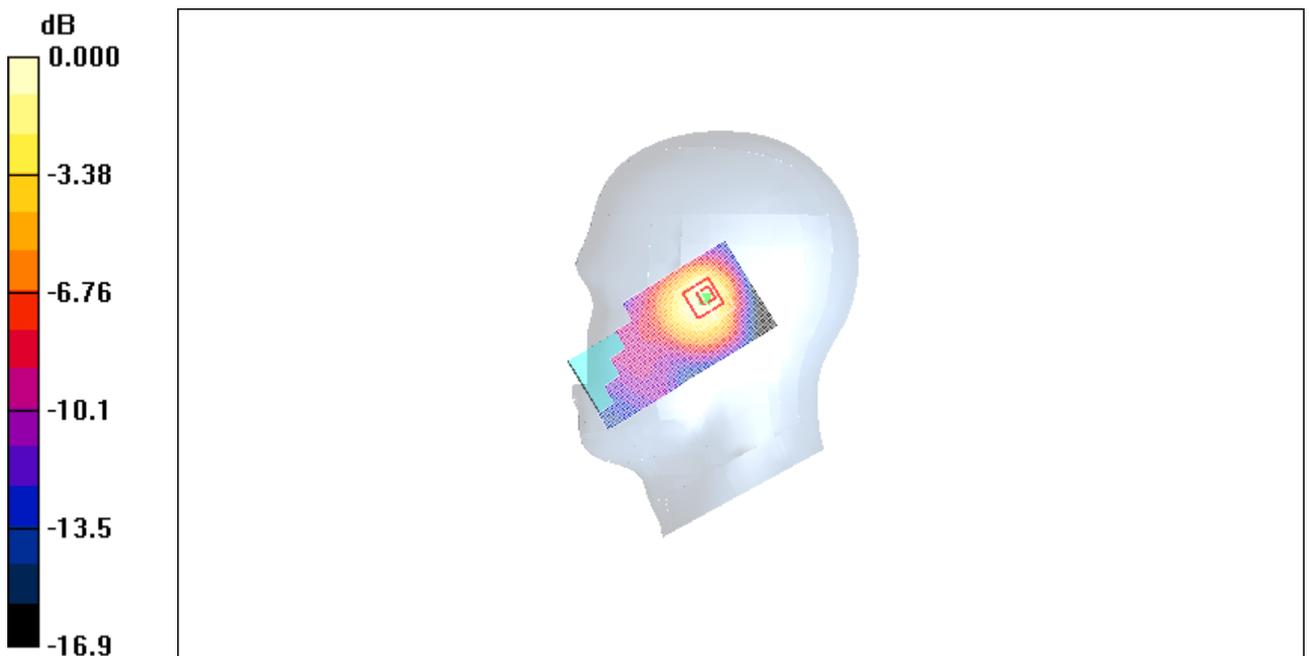
**Tilt Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.34 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.288 W/kg

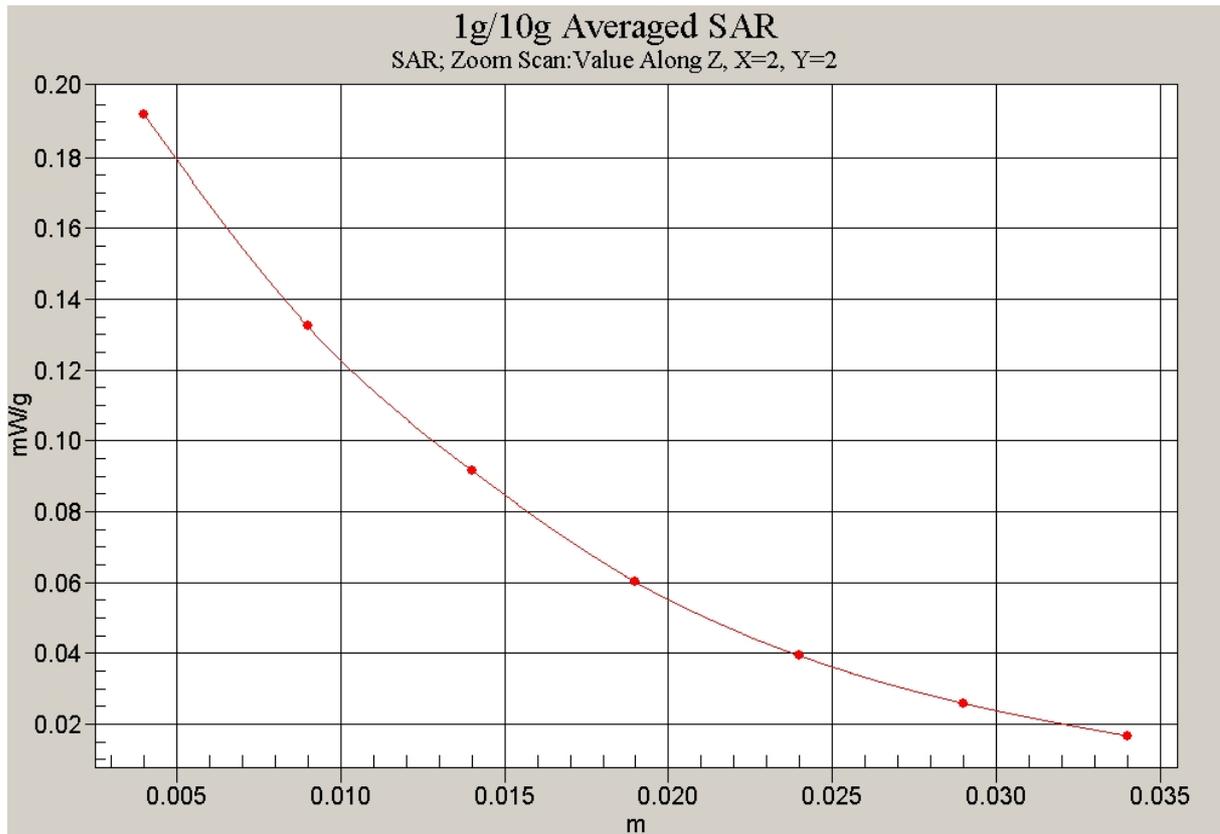
**SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.113 mW/g**

Maximum value of SAR (measured) = 0.192 mW/g



0 dB = 0.192mW/g

**Fig.273 1900 MHz CH512 – Slide up**



**Fig.274 Z-Scan at power reference point (1900 MHz CH512) – Slide up**

**1900 Body Towards Ground High with GPRS – Slide down**

Date/Time: 2009-2-9 20:36:23

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

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

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

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

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

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

Maximum value of SAR (interpolated) = 0.869 mW/g

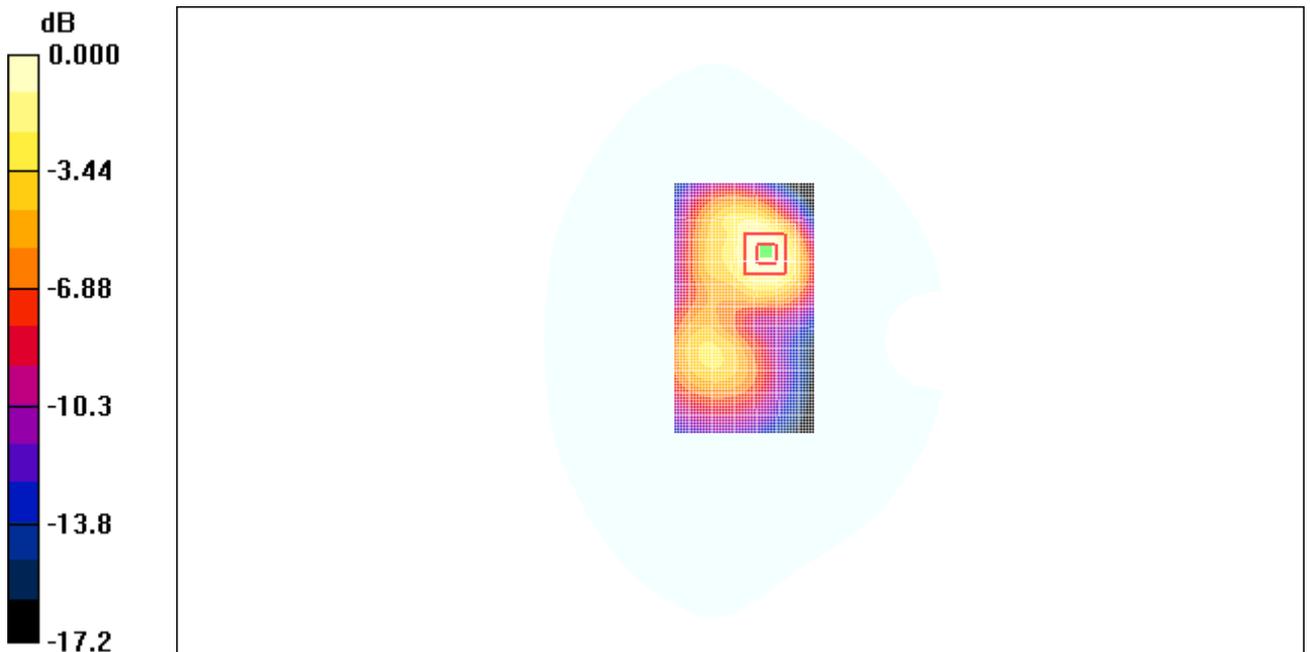
**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 1.39 W/kg

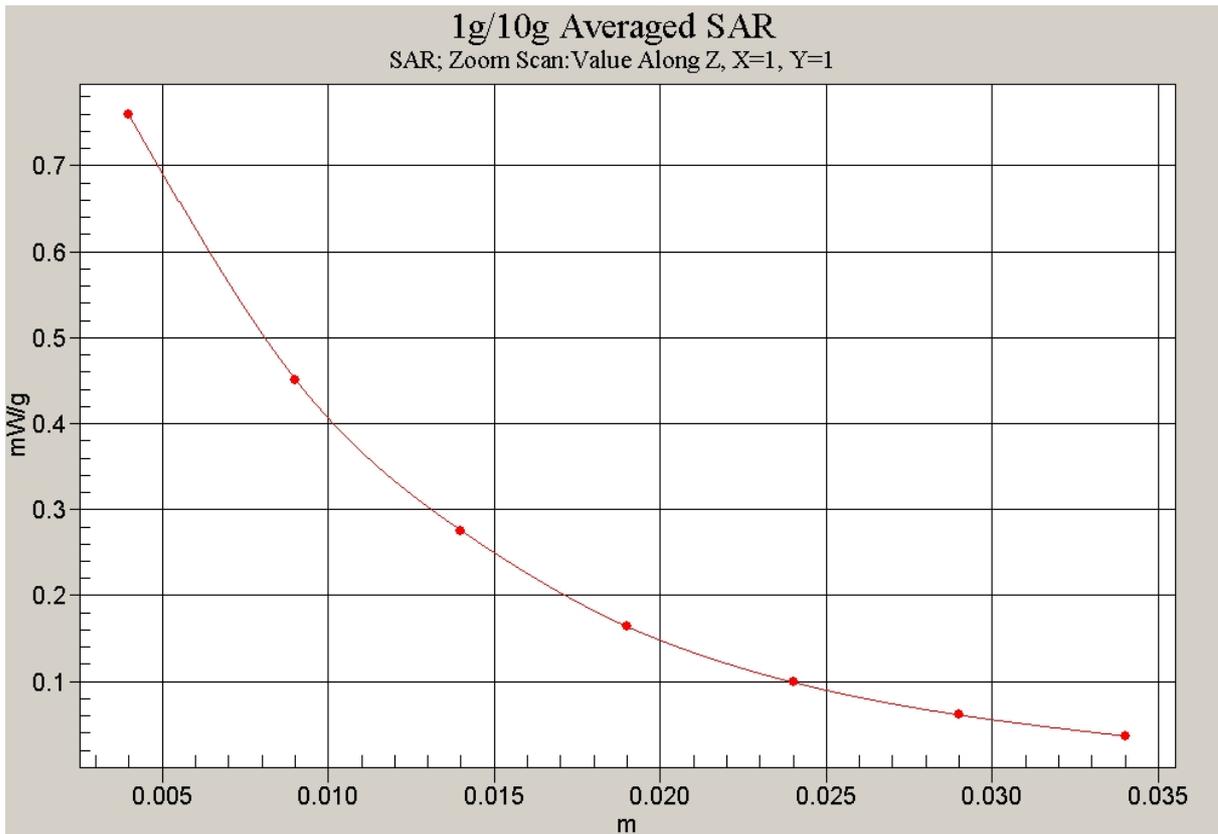
**SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.417 mW/g**

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



0 dB = 0.759mW/g

**Fig. 275 1900 MHz CH810 – Slide down**



**Fig. 276 Z-Scan at power reference point (1900 MHz CH810) – Slide down**

**1900 Body Towards Ground Middle with GPRS – Slide down**

Date/Time: 2009-2-9 20:49:34

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

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

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

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

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

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

Maximum value of SAR (interpolated) = 0.932 mW/g

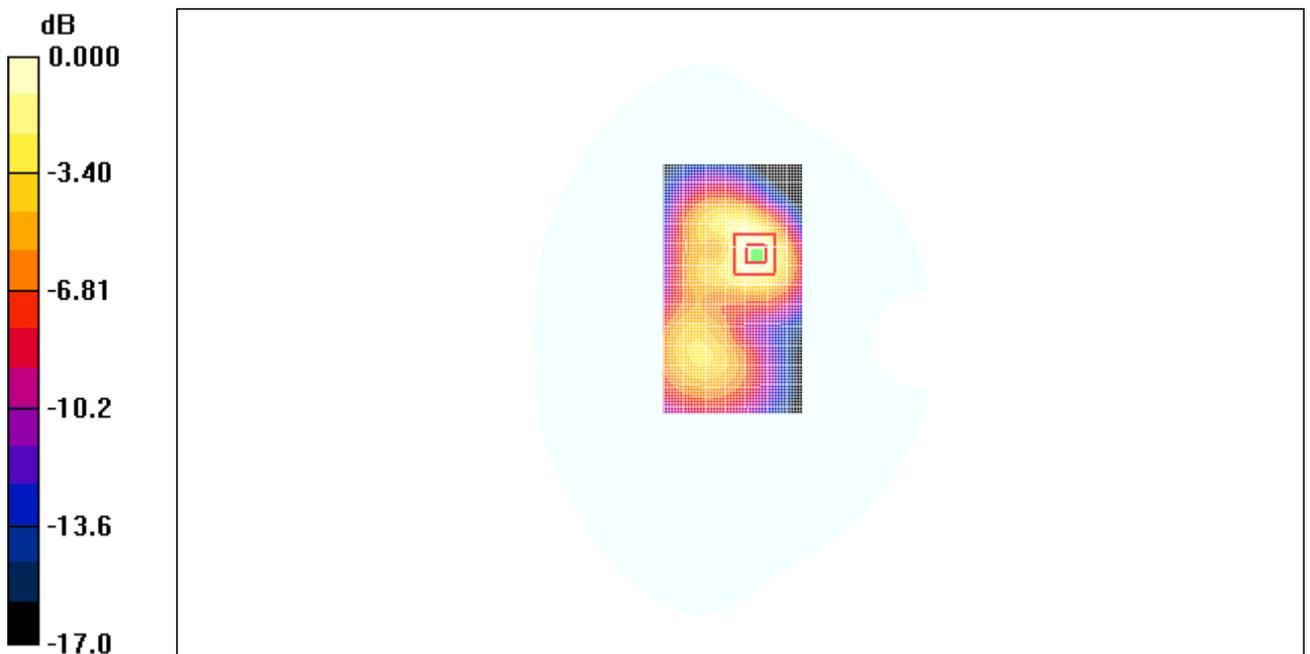
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.449 mW/g**

Maximum value of SAR (measured) = 0.864 mW/g



0 dB = 0.864mW/g

**Fig. 277 1900 MHz CH661 – Slide down**

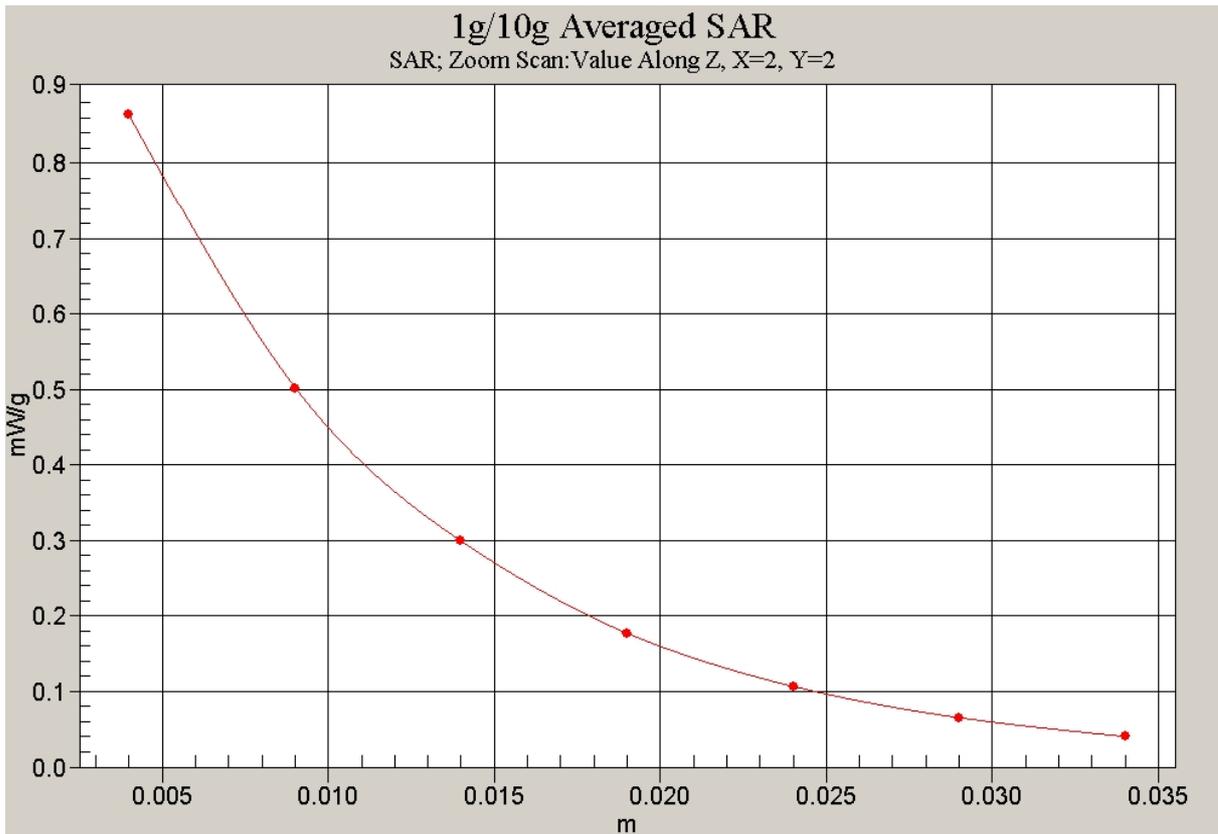


Fig. 278 Z-Scan at power reference point (1900 MHz CH661) – Slide down

**1900 Body Towards Ground Low with GPRS – Slide down**

Date/Time: 2009-2-9 21:02:41

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

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

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

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

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

**Toward Ground Low/Area Scan (51x91x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.796 mW/g

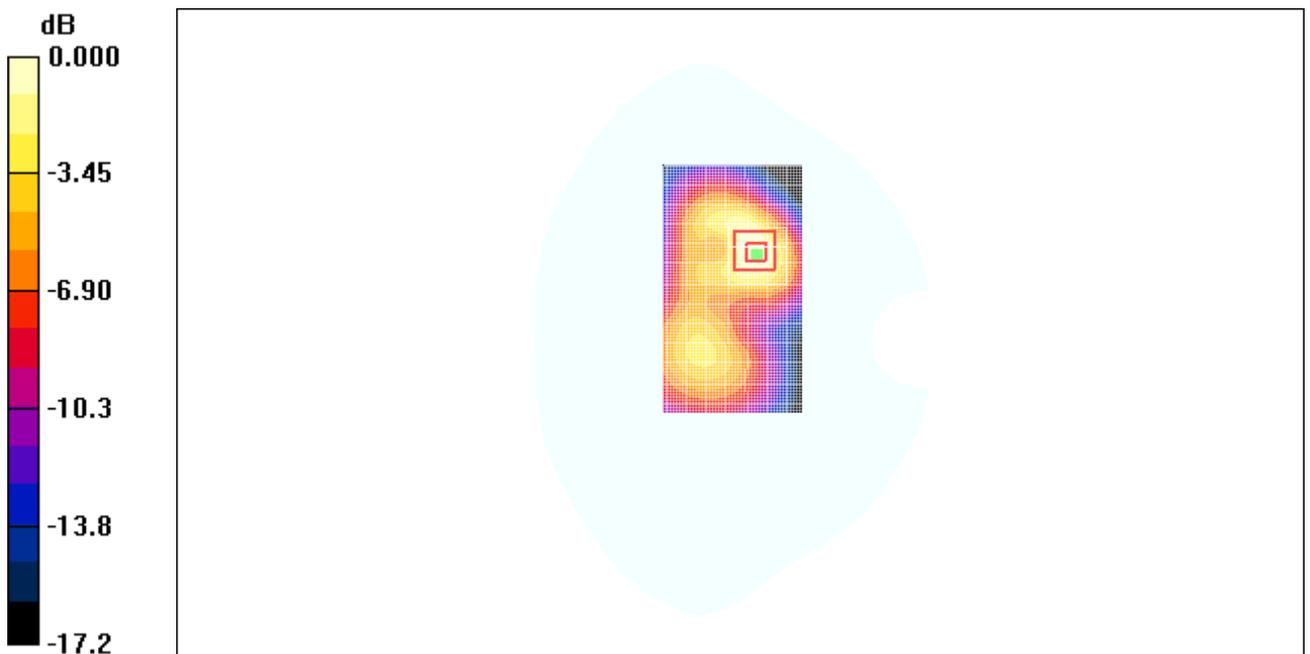
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.387 mW/g**

Maximum value of SAR (measured) = 0.760 mW/g



0 dB = 0.760mW/g

**Fig. 279 1900 MHz CH512 – Slide down**

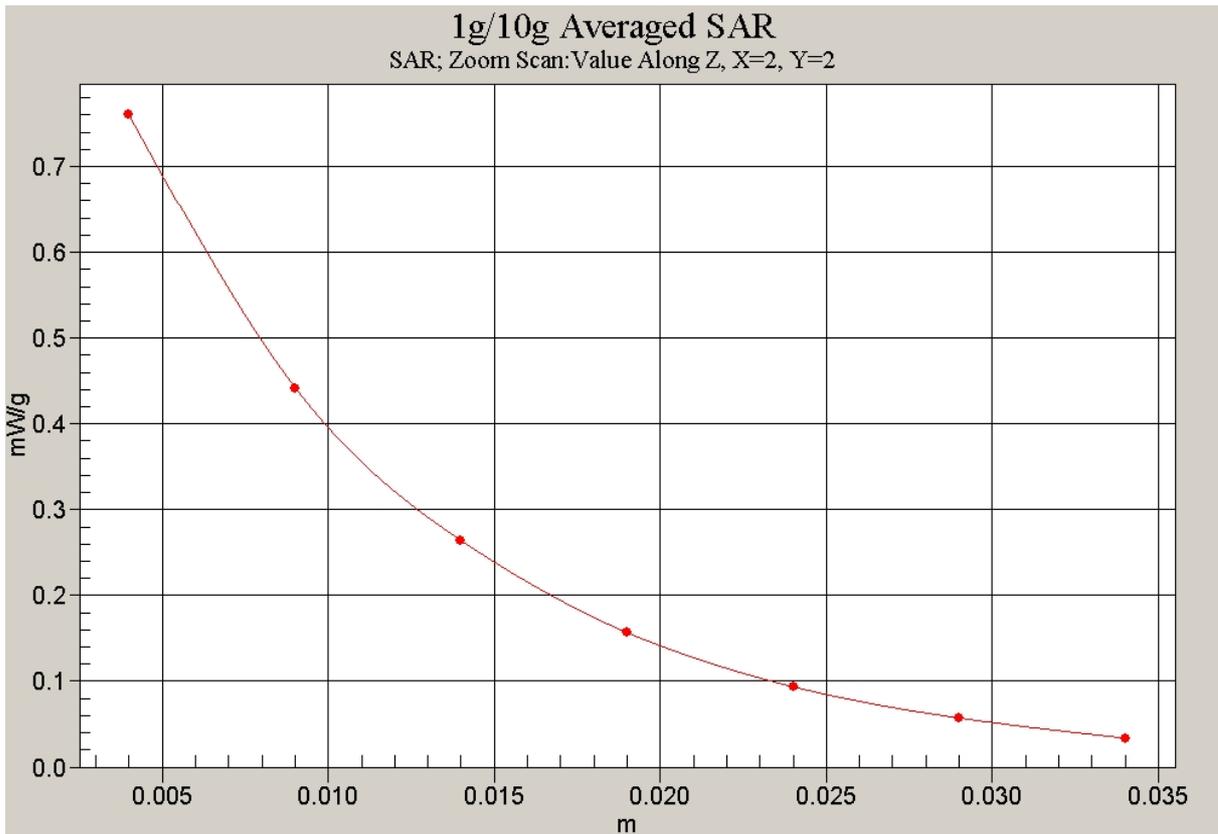


Fig. 280 Z-Scan at power reference point (1900 MHz CH512) – Slide down

**1900 Body Towards Phantom High with GPRS – Slide down**

Date/Time: 2009-2-9 21:15:30

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

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

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

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

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

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

Maximum value of SAR (interpolated) = 0.198 mW/g

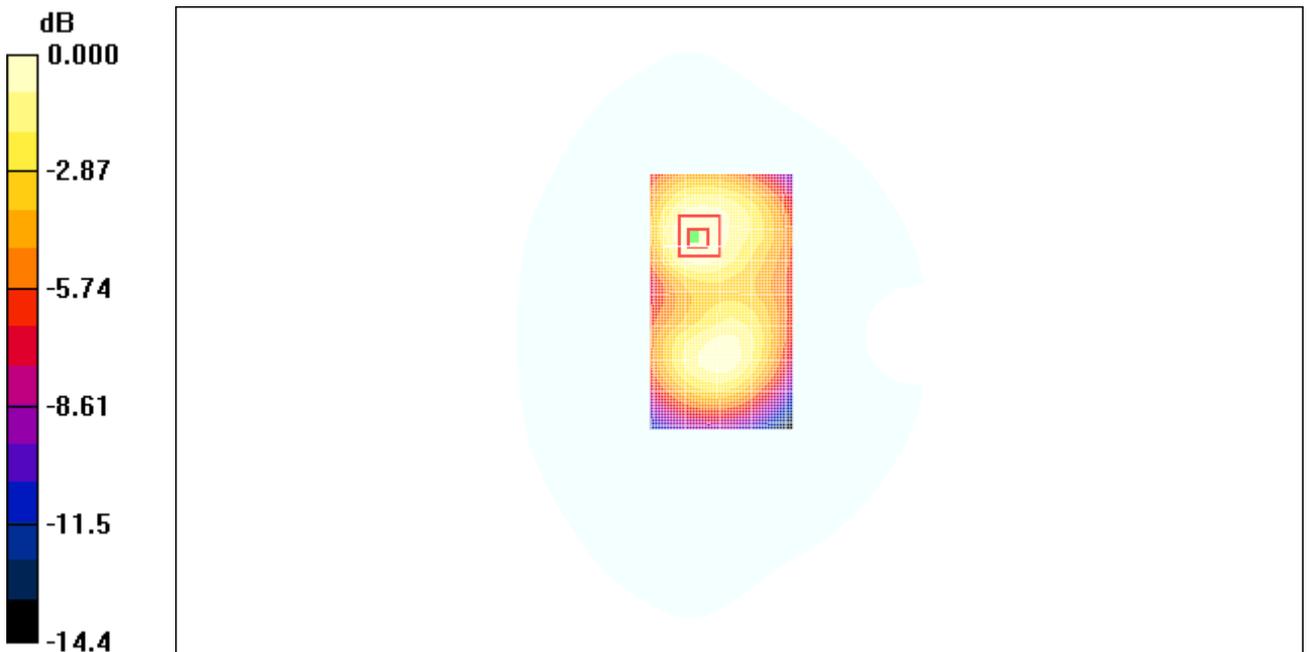
**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.97 V/m; Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.290 W/kg

**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.113 mW/g**

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



0 dB = 0.189mW/g

**Fig. 281 1900 MHz CH810 – Slide down**

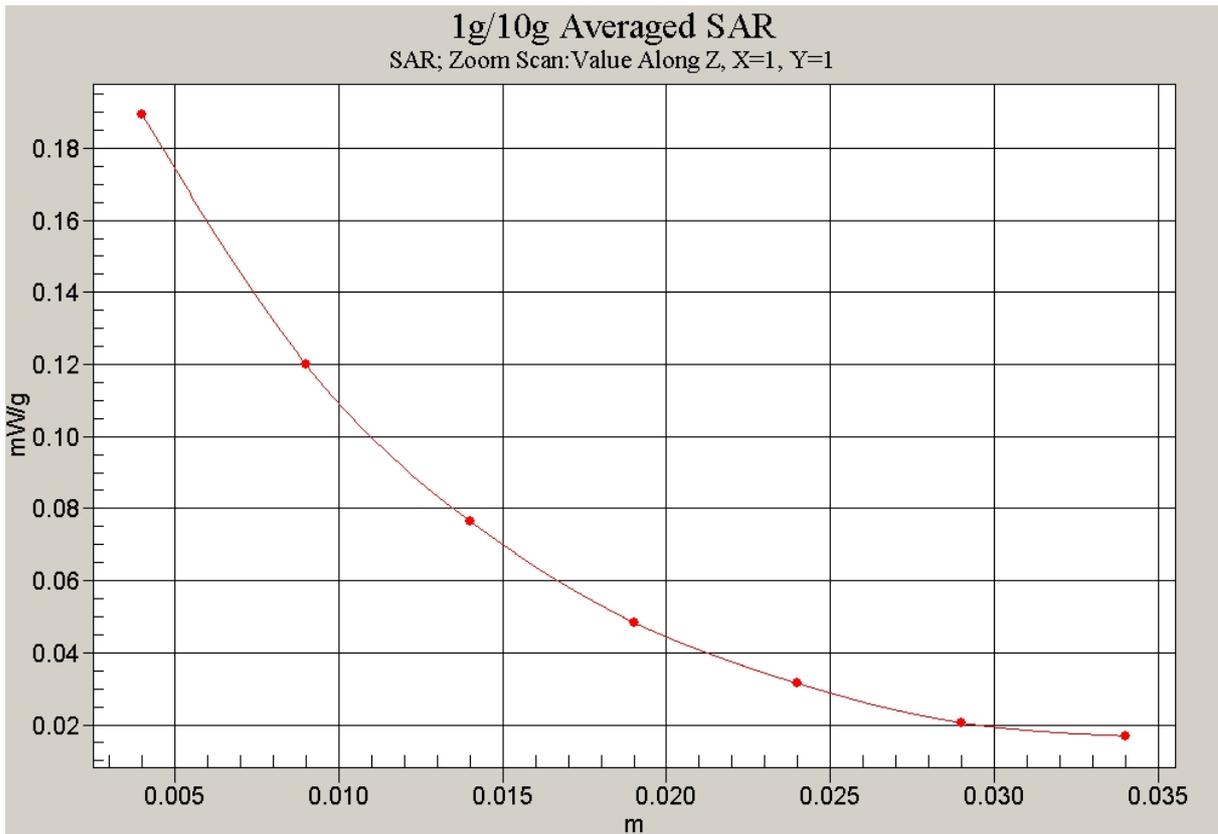


Fig. 282 Z-Scan at power reference point (1900 MHz CH810) – Slide down

**1900 Body Towards Phantom Middle with GPRS – Slide down**

Date/Time: 2009-2-9 21:28:01

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

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

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

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

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

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

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

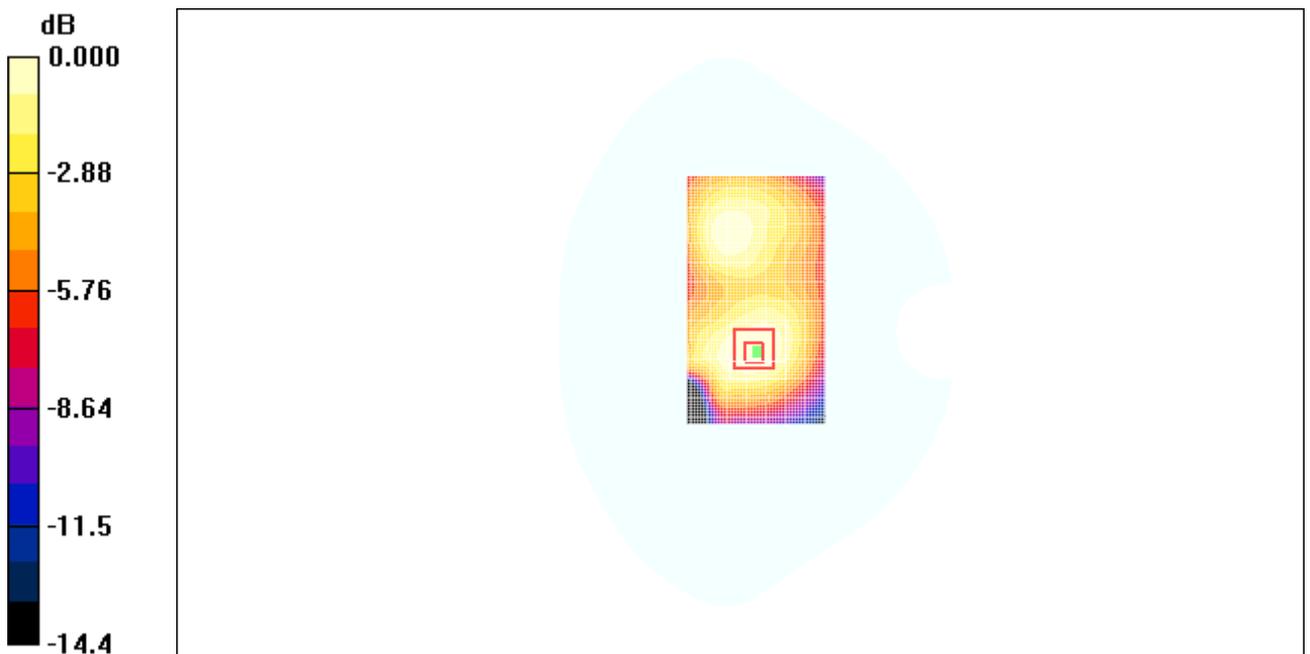
**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.3 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.310 W/kg

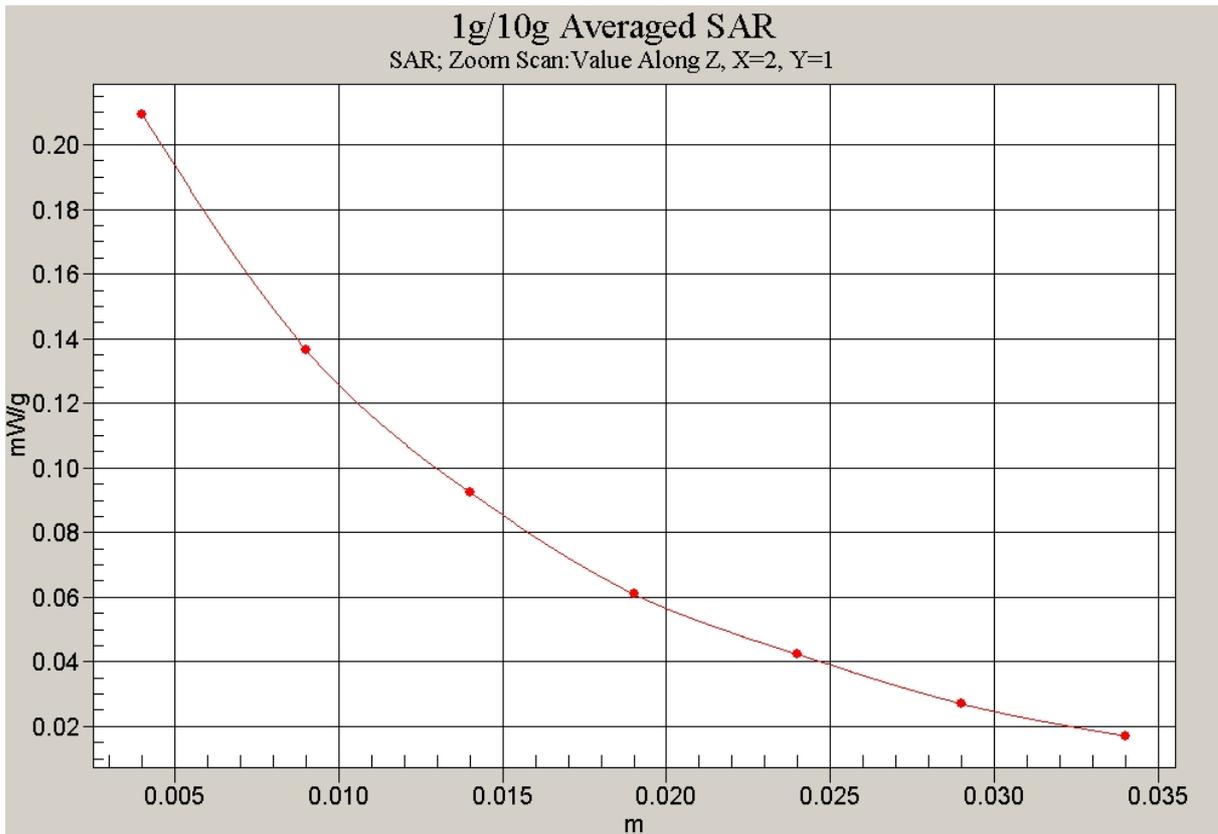
**SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.131 mW/g**

Maximum value of SAR (measured) = 0.209 mW/g



0 dB = 0.209mW/g

**Fig.283 1900 MHz CH661 – Slide down**



**Fig. 284 Z-Scan at power reference point (1900 MHz CH661) – Slide down**

**1900 Body Towards Phantom Low with GPRS – Slide down**

Date/Time: 2009-2-9 21:41:15

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

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

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

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

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

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

Maximum value of SAR (interpolated) = 0.210 mW/g

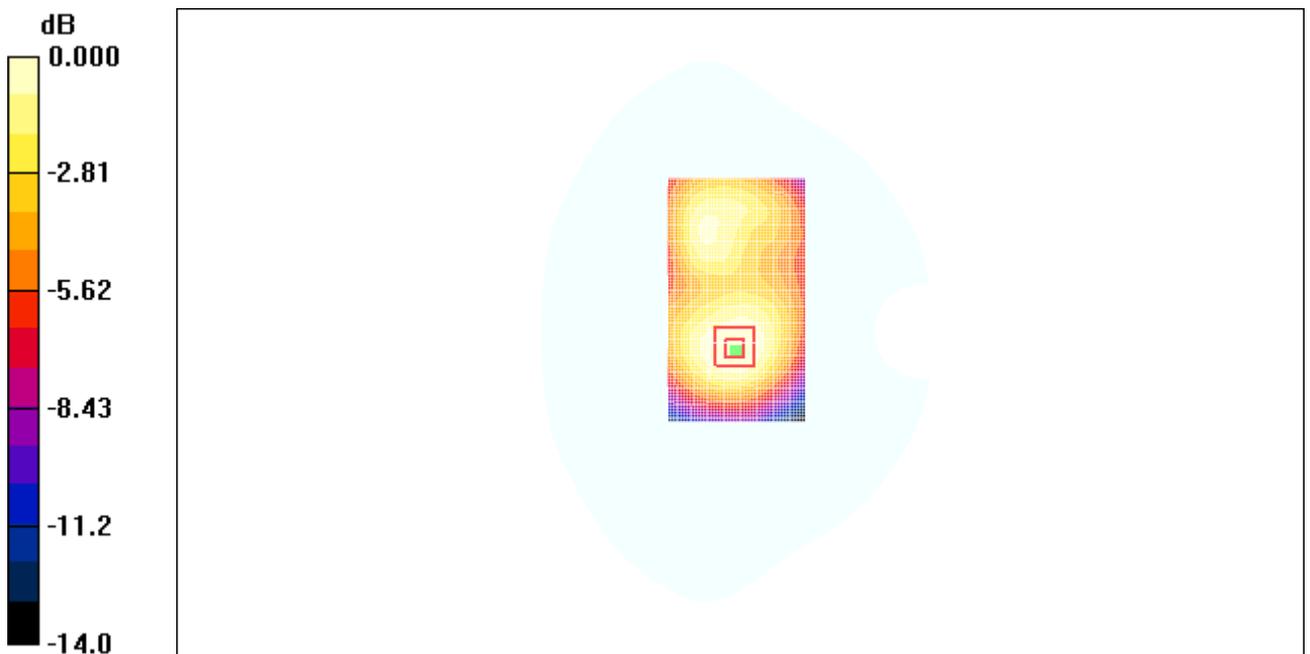
**Toward Phantom Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.4 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 0.286 W/kg

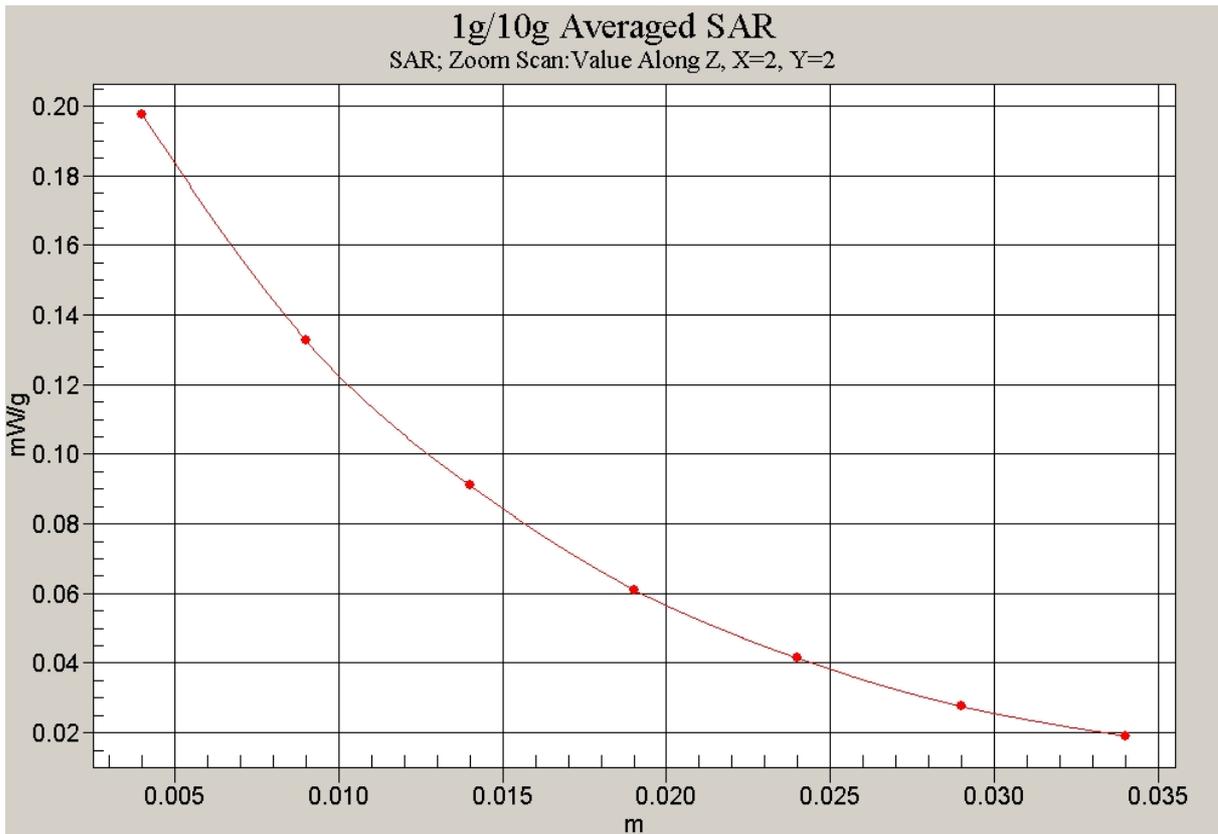
**SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.124 mW/g**

Maximum value of SAR (measured) = 0.198 mW/g



0 dB = 0.198mW/g

**Fig.285 1900 MHz CH512 – Slide down**



**Fig. 286 Z-Scan at power reference point (1900 MHz CH512) – Slide down**

**1900 Body Towards Ground High with GPRS – Slide up**

Date/Time: 2009-2-9 21:54:21

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

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

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

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

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

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

Maximum value of SAR (interpolated) = 0.347 mW/g

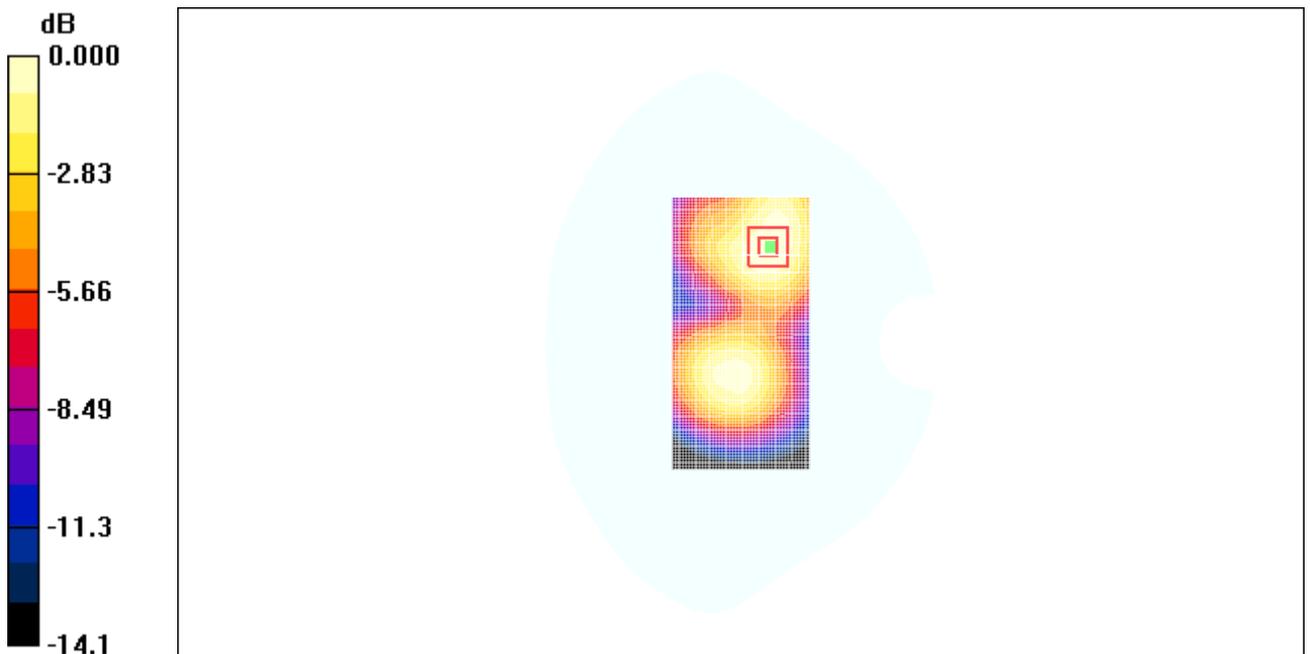
**Toward Ground High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.3 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.508 W/kg

**SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.203 mW/g**

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



0 dB = 0.337mW/g

**Fig. 287 1900 MHz CH810 – Slide up**

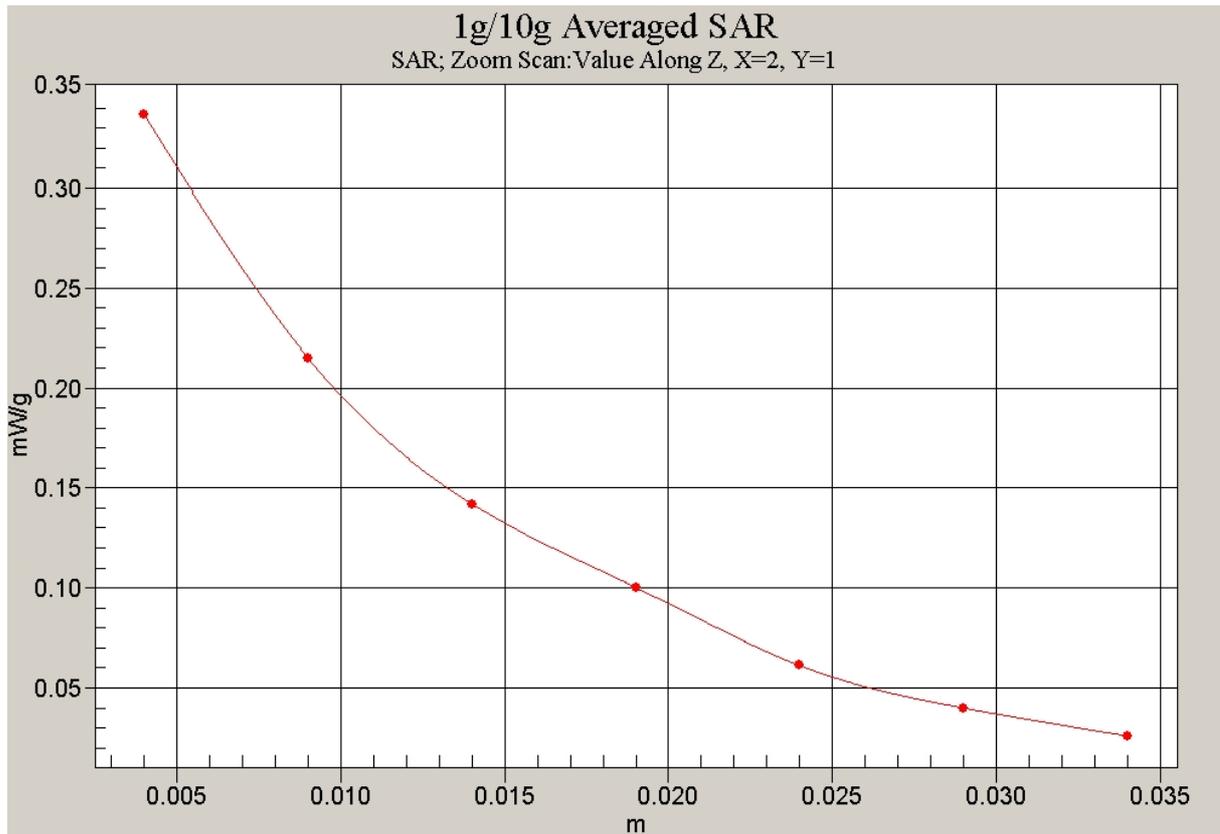


Fig. 288 Z-Scan at power reference point (1900 MHz CH810) – Slide up

**1900 Body Towards Ground Middle with GPRS – Slide up**

Date/Time: 2009-2-9 22:07:04

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

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

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

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

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

**Toward Ground Middle/Area Scan (51x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.575 mW/g

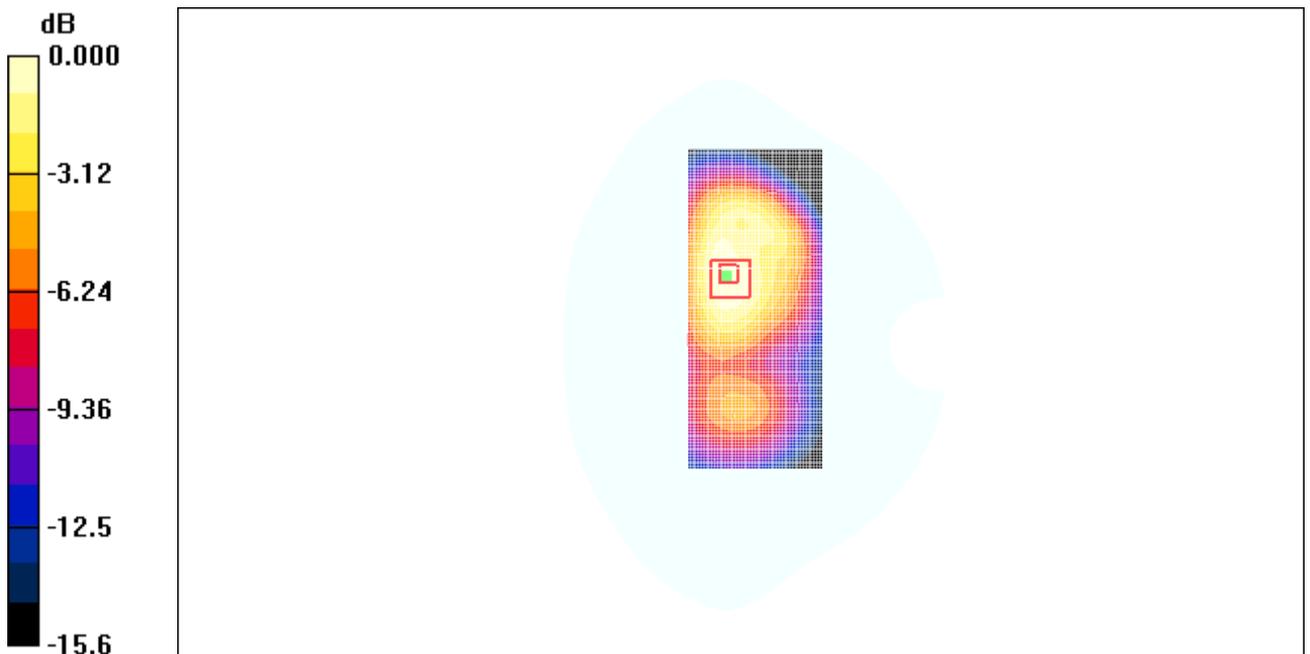
**Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.73 V/m; Power Drift = -0.137 dB

Peak SAR (extrapolated) = 0.806 W/kg

**SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.325 mW/g**

Maximum value of SAR (measured) = 0.550 mW/g



0 dB = 0.550mW/g

**Fig. 289 1900 MHz CH661 – Slide up**

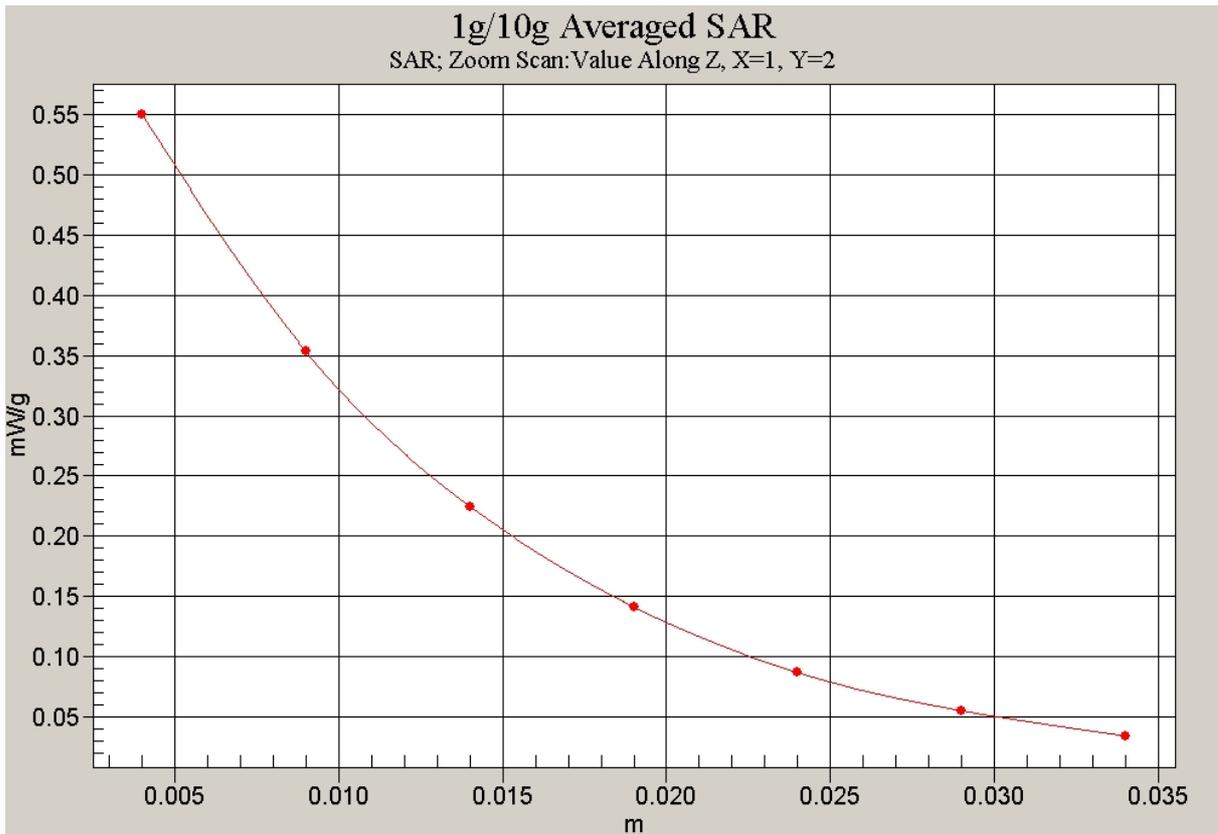


Fig. 290 Z-Scan at power reference point (1900 MHz CH661) – Slide up

**1900 Body Towards Ground Low with GPRS – Slide up**

Date/Time: 2009-2-9 22:20:33

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

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

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

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

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

**Toward Ground Low/Area Scan (51x121x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.573 mW/g

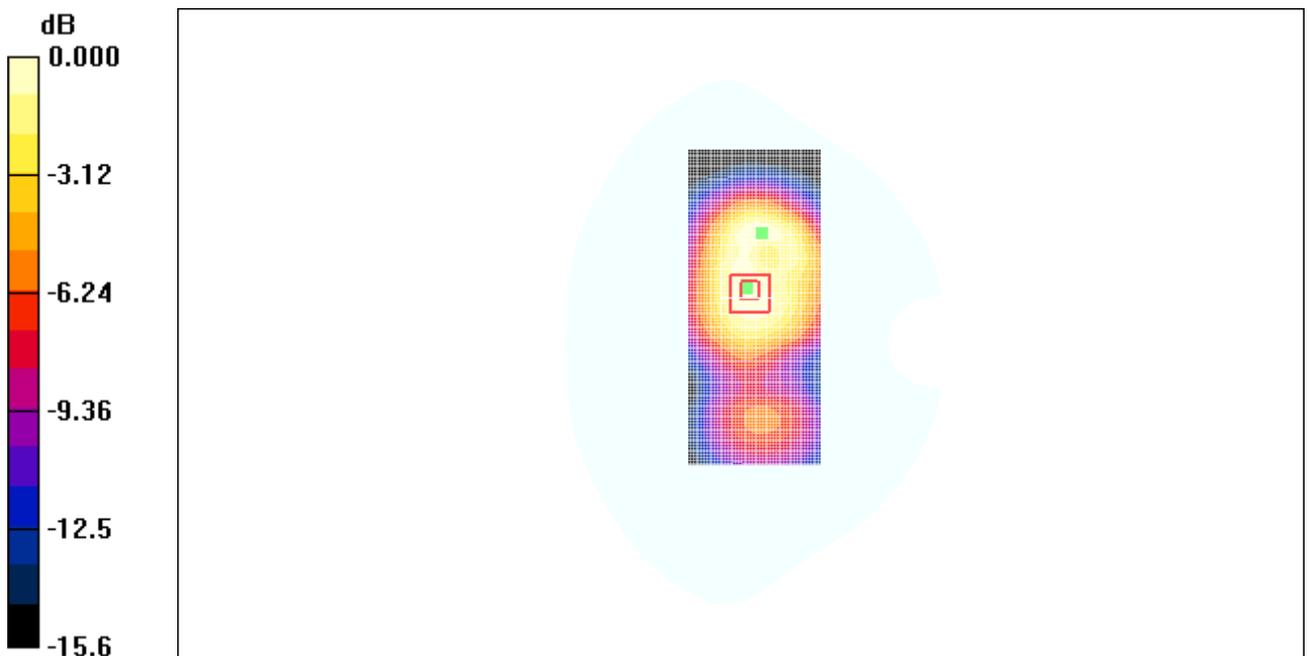
**Toward Ground Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.0 V/m; Power Drift = 0.200 dB

Peak SAR (extrapolated) = 0.847 W/kg

**SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.334 mW/g**

Maximum value of SAR (measured) = 0.563 mW/g



0 dB = 0.563mW/g

**Fig. 291 1900 MHz CH512 – Slide up**

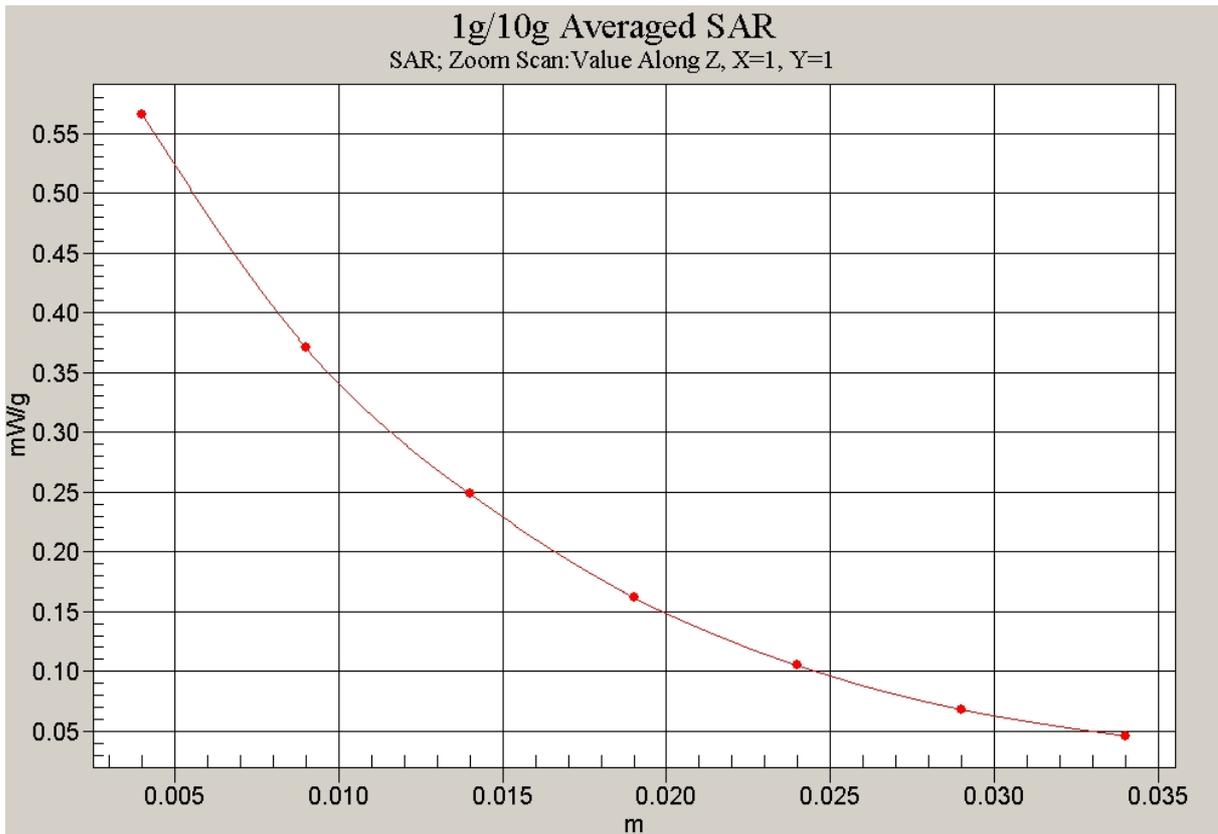


Fig. 292 Z-Scan at power reference point (1900 MHz CH512) – Slide up

**1900 Body Towards Phantom High with GPRS – Slide up**

Date/Time: 2009-2-9 22:33:20

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

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

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

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

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

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

Maximum value of SAR (interpolated) = 0.251 mW/g

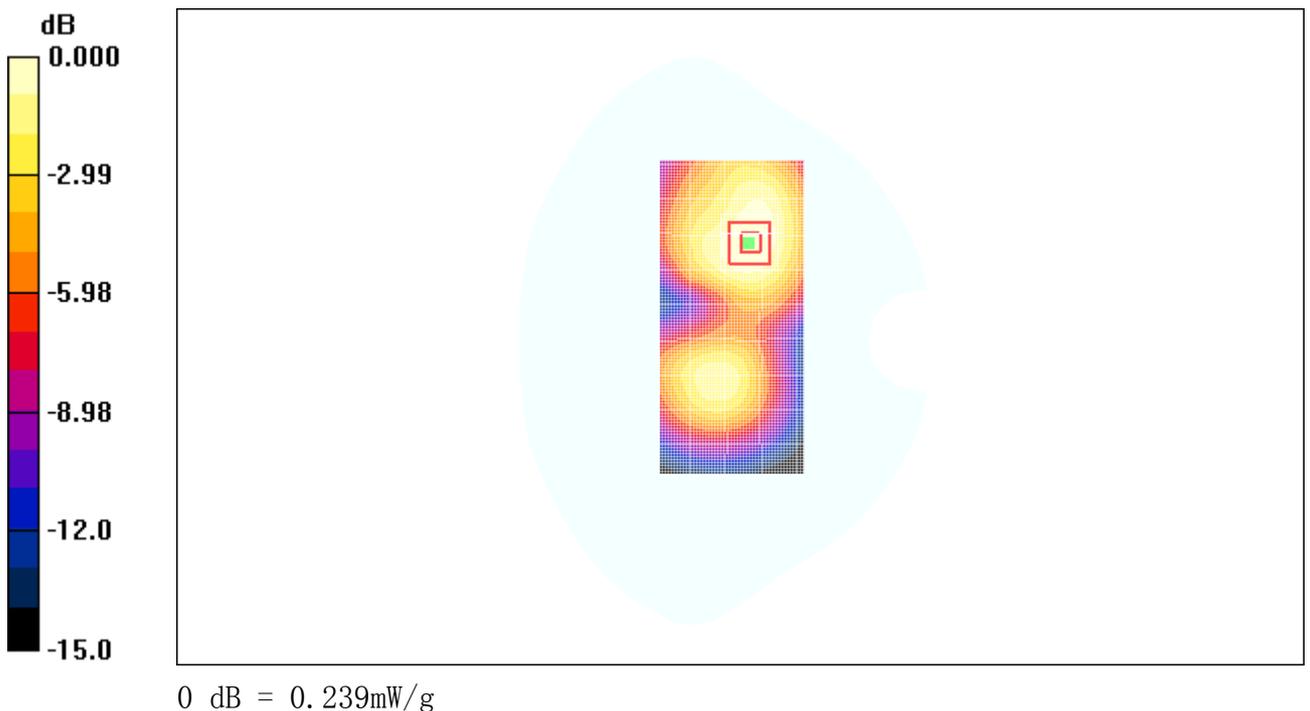
**Toward Phantom High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.82 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.367 W/kg

**SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.145 mW/g**

Maximum value of SAR (measured) = 0.239 mW/g



**Fig. 293 1900 MHz CH810 – Slide up**