

850 Left Tilt Low

Date/Time: 2008-12-10 10:41:58

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used: $f = 825$ MHz; $\sigma = 0.867$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ 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 - SN3149 ConvF(6.56, 6.56, 6.56)

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

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

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

Reference Value = 15.5 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 0.338 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.169 mW/g

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

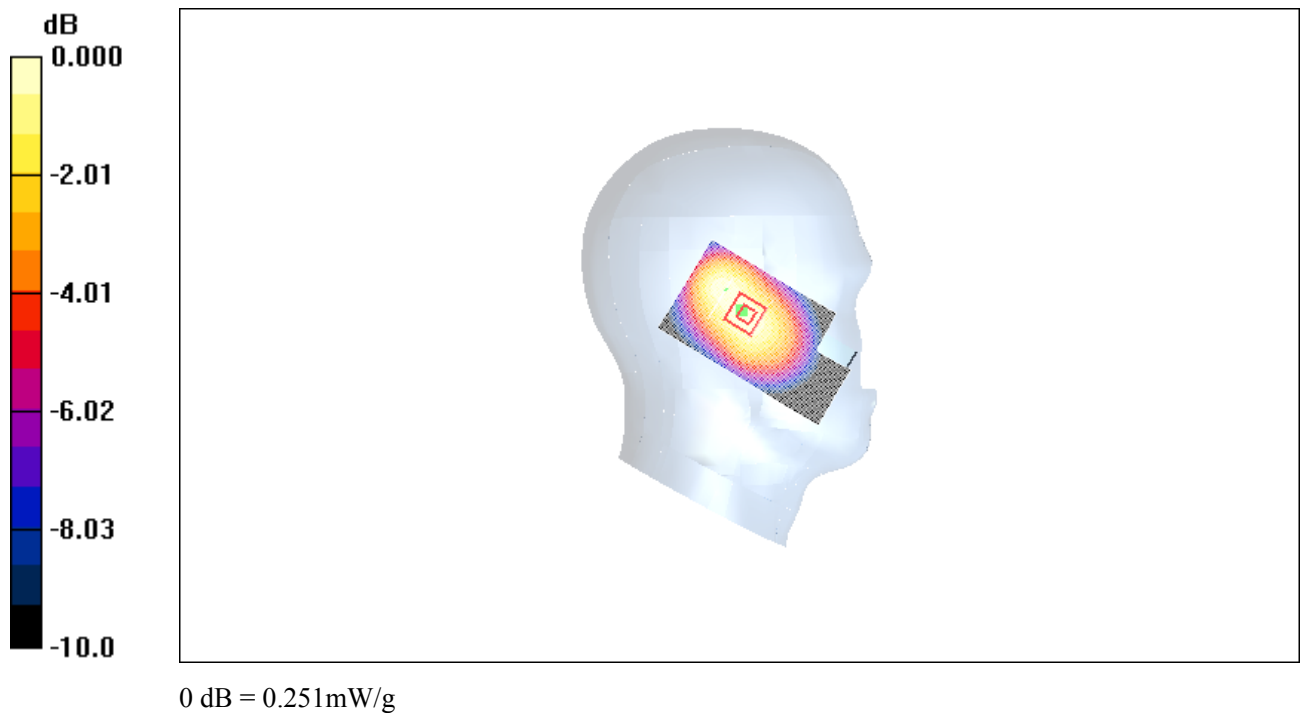


Fig. 87 850 MHz CH128

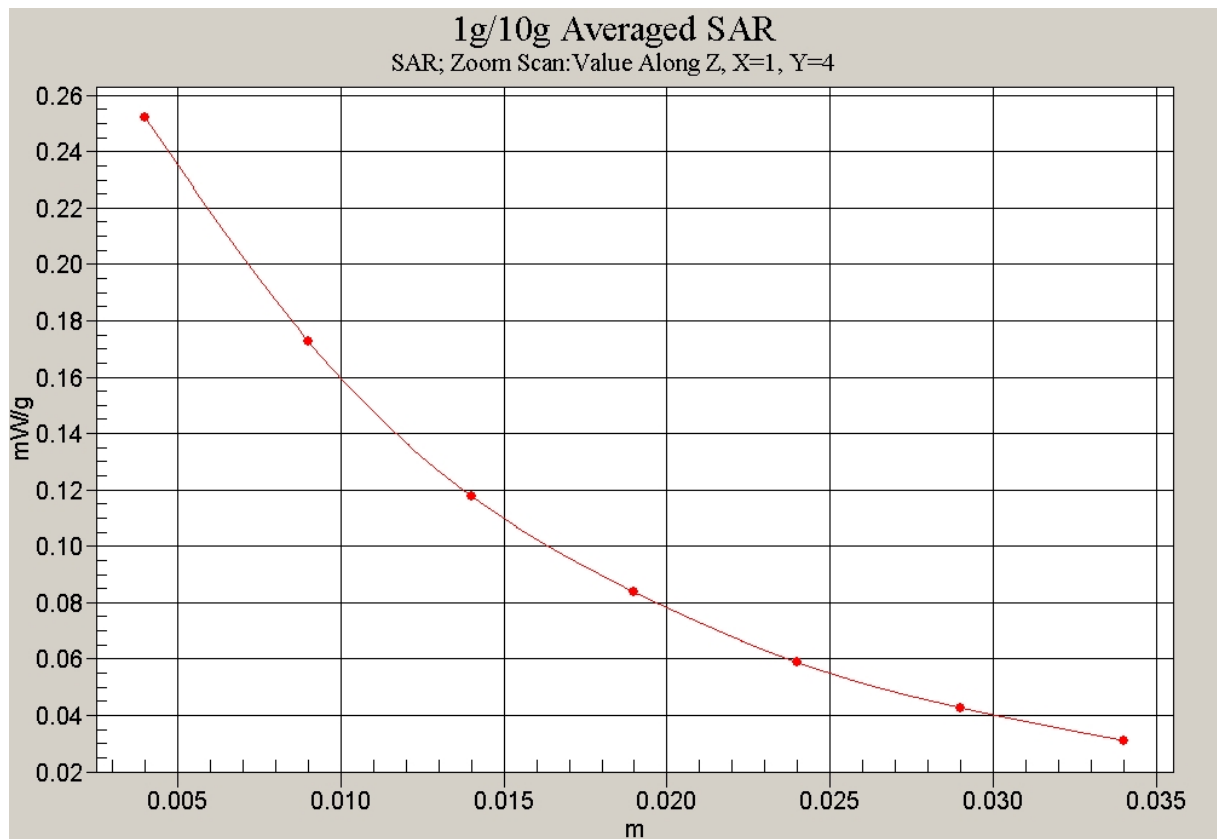


Fig. 88 Z-Scan at power reference point (850 MHz CH128)

850 Right Cheek High

Date/Time: 2008-12-10 11:21:38

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ 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 - SN3149 ConvF(6.56, 6.56, 6.56)

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

Maximum value of SAR (interpolated) = 0.431 mW/g

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

Reference Value = 17.0 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.299 mW/g

Maximum value of SAR (measured) = 0.425 mW/g

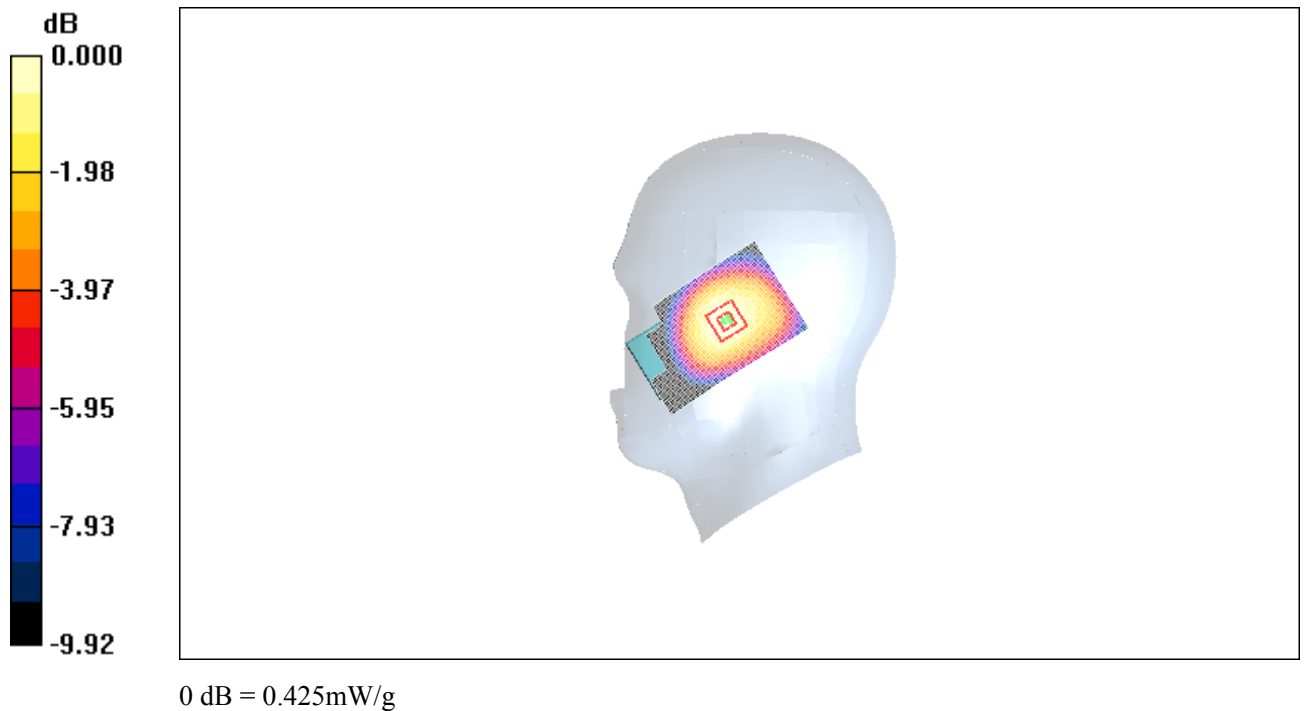


Fig. 89 850 MHz CH251

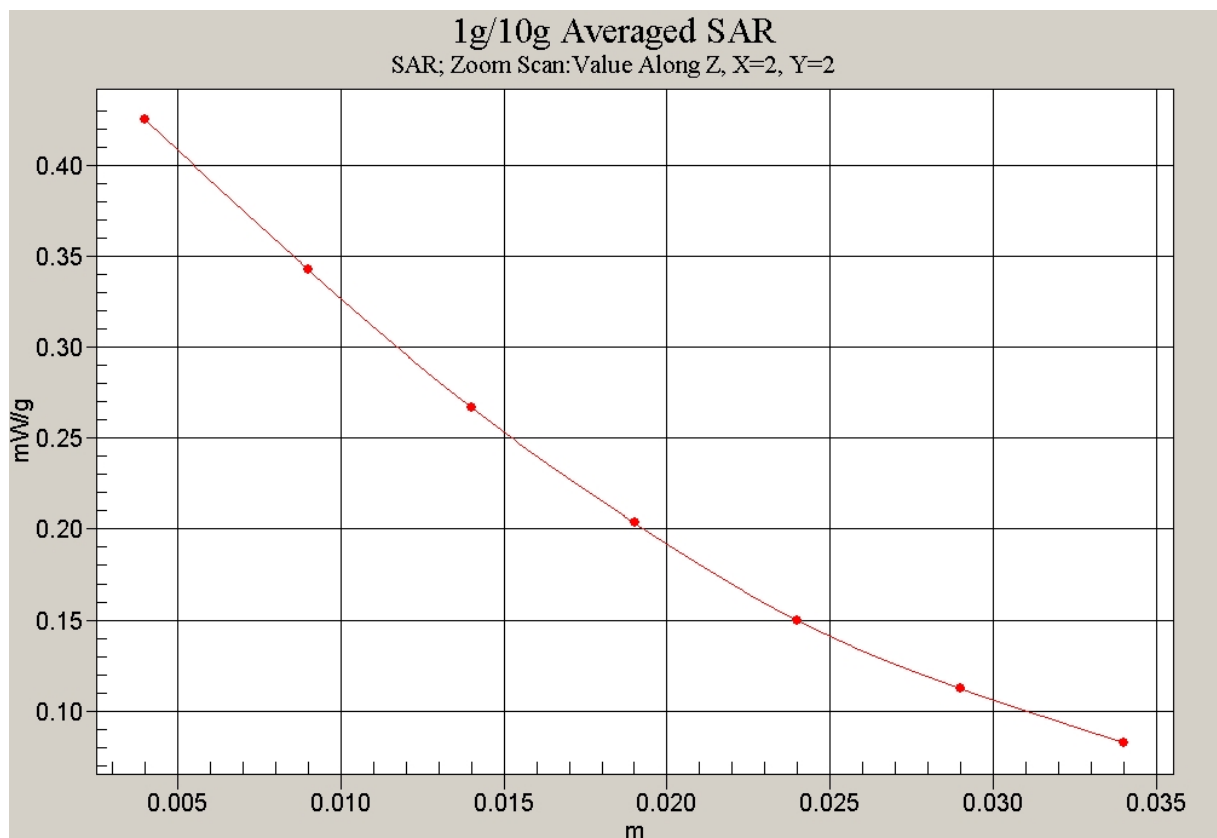


Fig. 90 Z-Scan at power reference point (850 MHz CH251)

850 Right Cheek Middle

Date/Time: 2008-12-10 11:34:20

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ 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 - SN3149 ConvF(6.56, 6.56, 6.56)

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

Maximum value of SAR (interpolated) = 0.383 mW/g

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

Reference Value = 16.3 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.267 mW/g

Maximum value of SAR (measured) = 0.378 mW/g

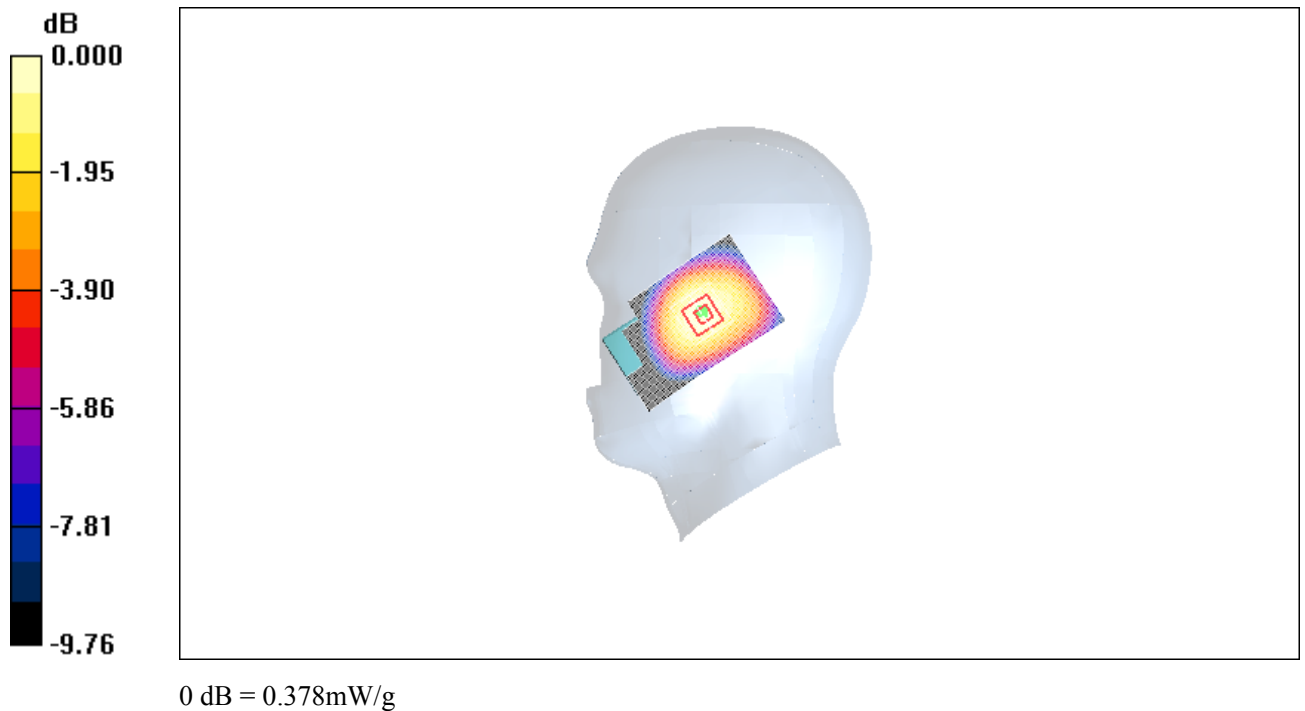


Fig. 91 850 MHz CH190

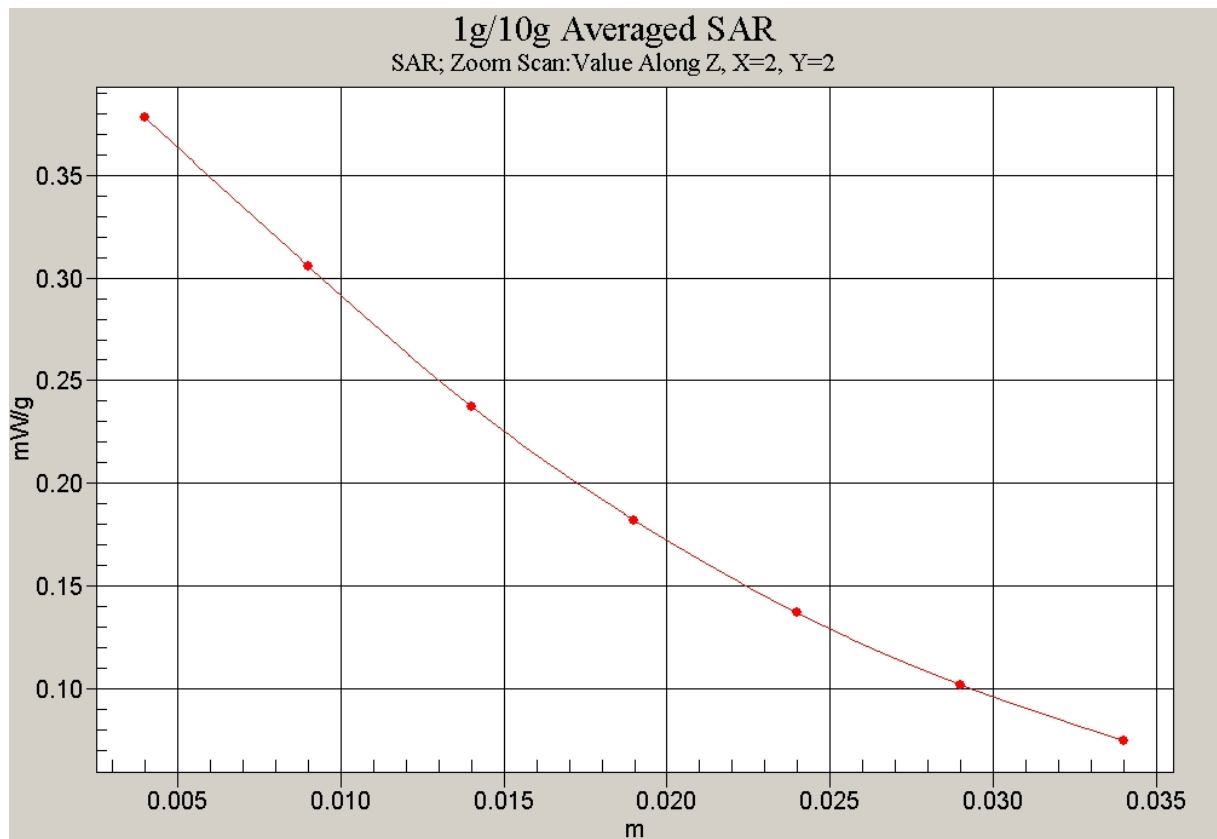


Fig. 92 Z-Scan at power reference point (850 MHz CH190)

850 Right Cheek Low

Date/Time: 2008-12-10 11:48:40

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.867 \text{ mho/m}$; $\epsilon_r = 40.6$; $\rho = 1000 \text{ kg/m}^3$

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(6.56, 6.56, 6.56)

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

Maximum value of SAR (interpolated) = 0.376 mW/g

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

Reference Value = 16.2 V/m ; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.350 mW/g ; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 0.368 mW/g

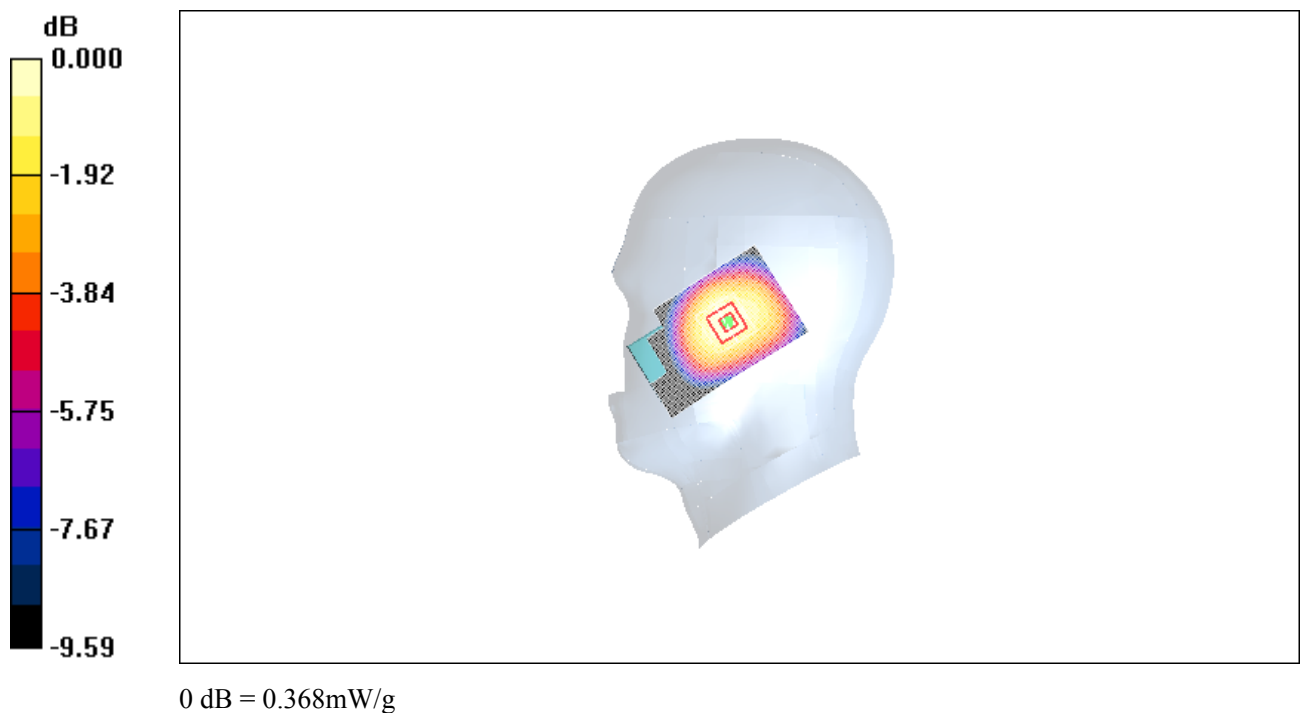


Fig. 93 850 MHz CH128

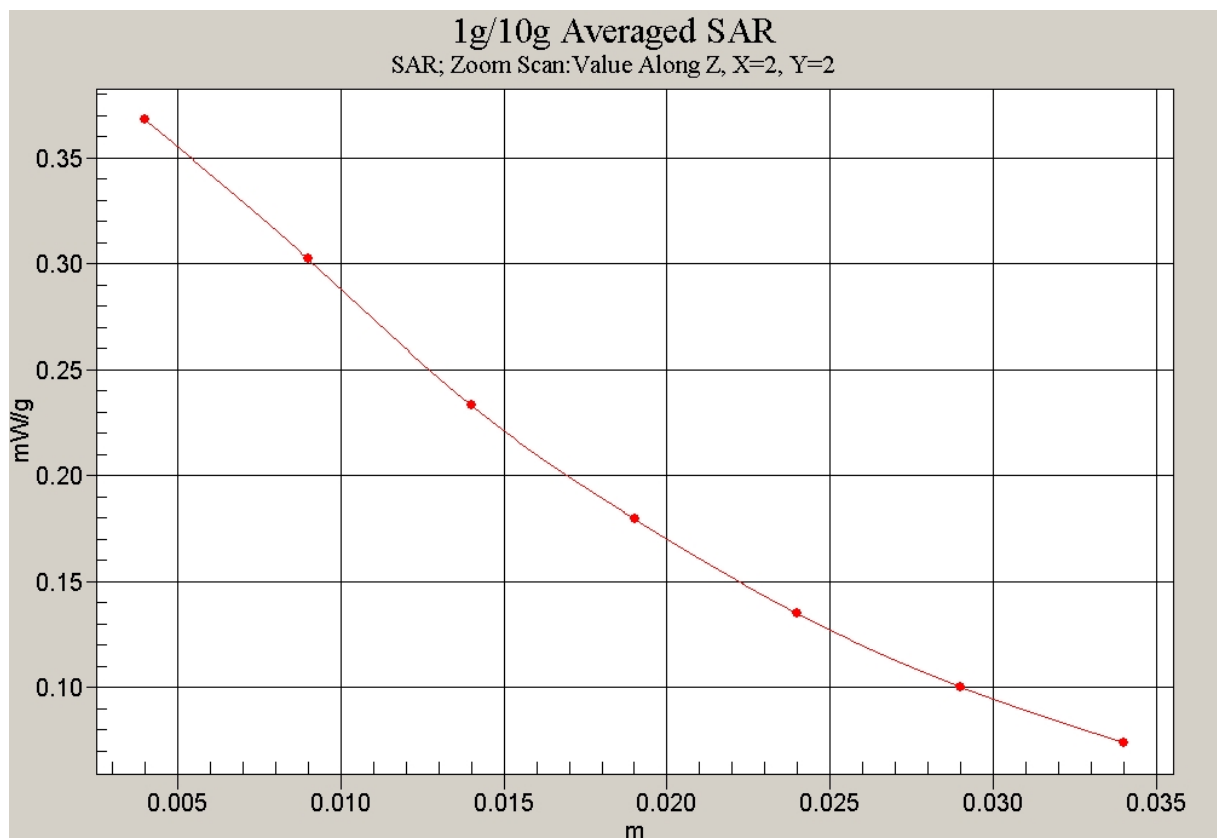


Fig.94 Z-Scan at power reference point (850 MHz CH128)

850 Right Tilt High

Date/Time: 2008-12-10 12:30:42

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ 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 - SN3149 ConvF(6.56, 6.56, 6.56)

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

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

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

Reference Value = 16.5 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.186 mW/g

Maximum value of SAR (measured) = 0.266 mW/g

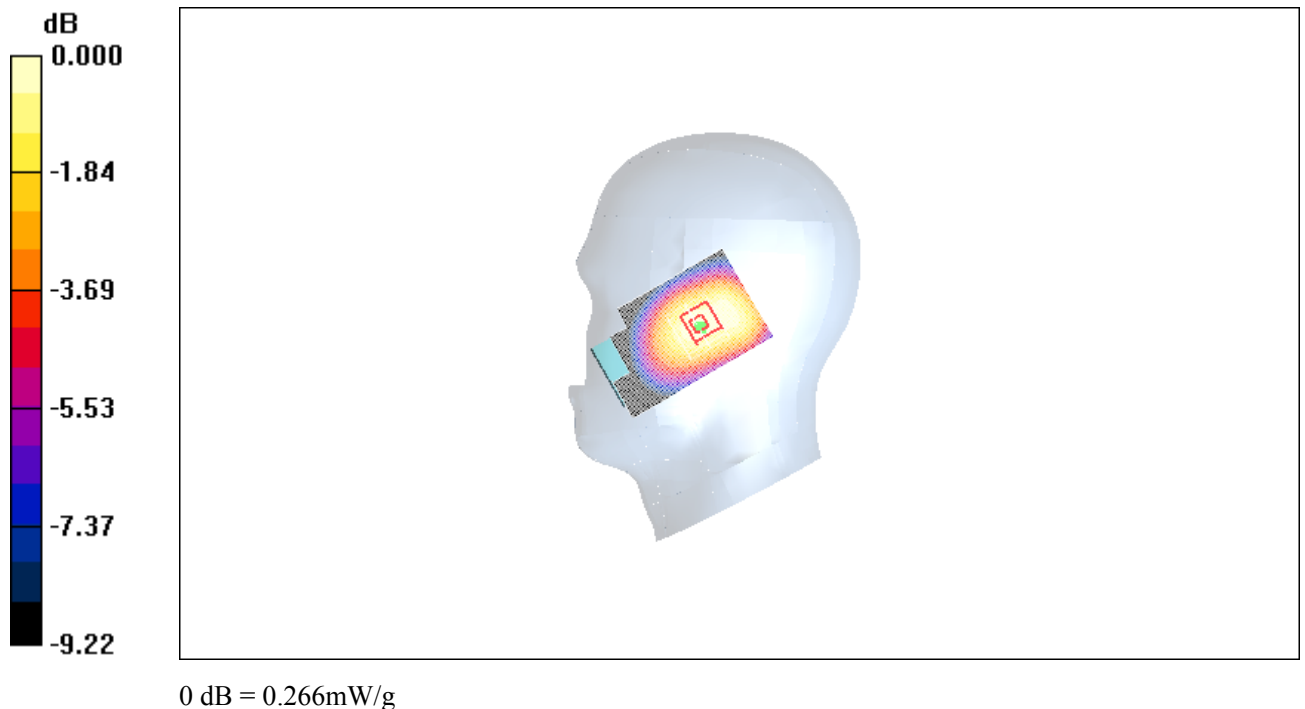


Fig.95 850 MHz CH251

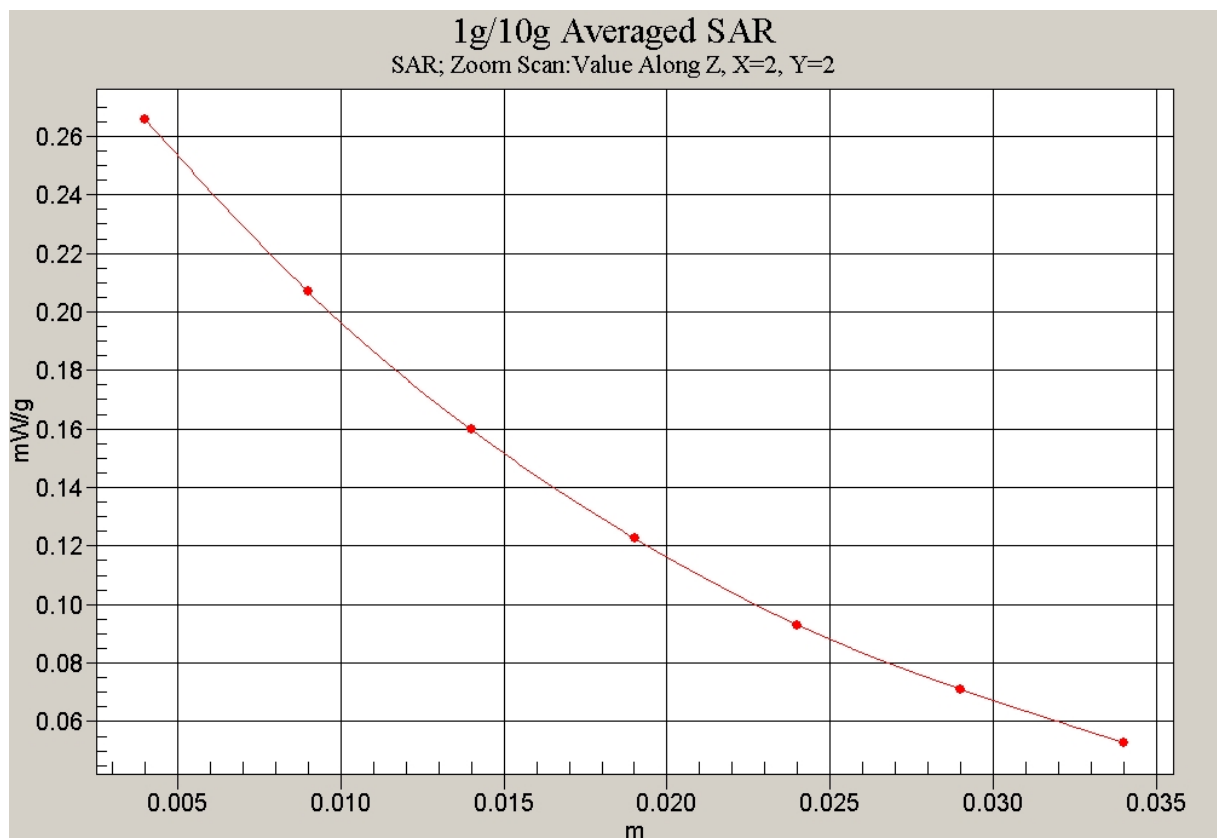


Fig.96 Z-Scan at power reference point (850 MHz CH251)

850 Right Tilt Middle

Date/Time: 2008-12-10 1215:39

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ 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 - SN3149 ConvF(6.56, 6.56, 6.56)

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

Maximum value of SAR (interpolated) = 0.235 mW/g

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

Reference Value = 15.4 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.164 mW/g

Maximum value of SAR (measured) = 0.232 mW/g

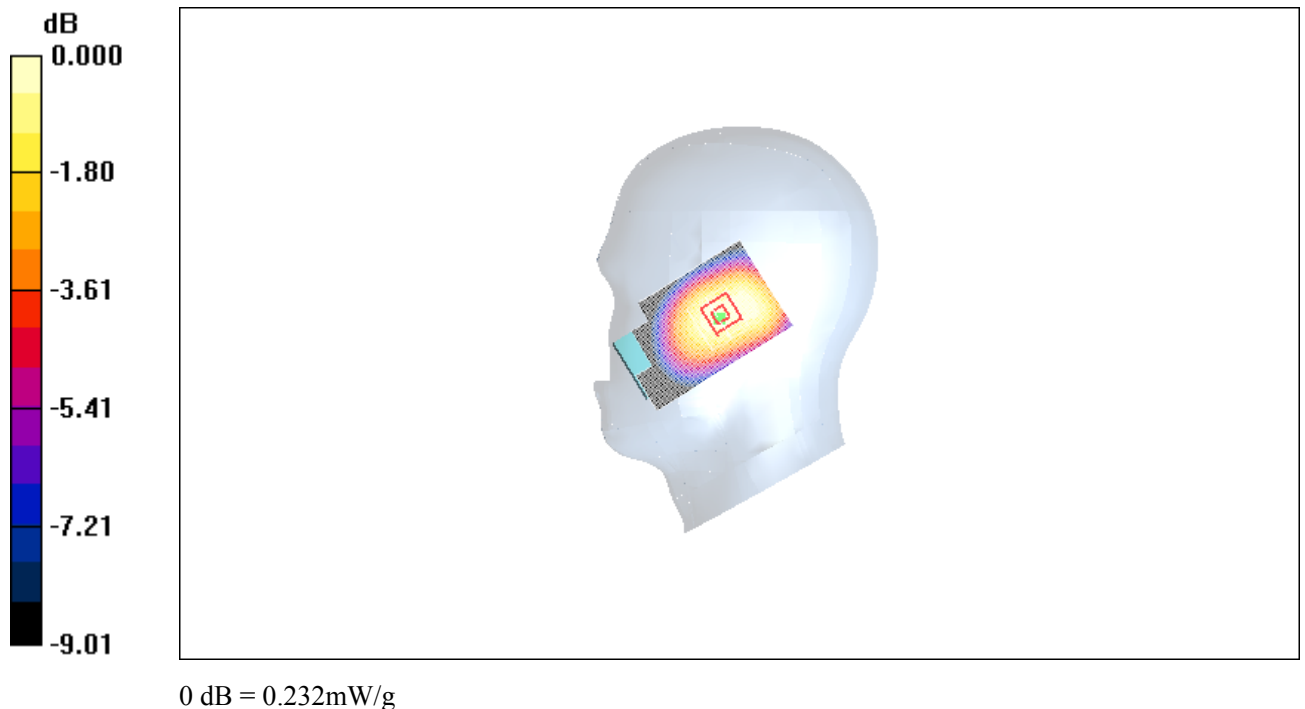


Fig. 97 850 MHz CH190

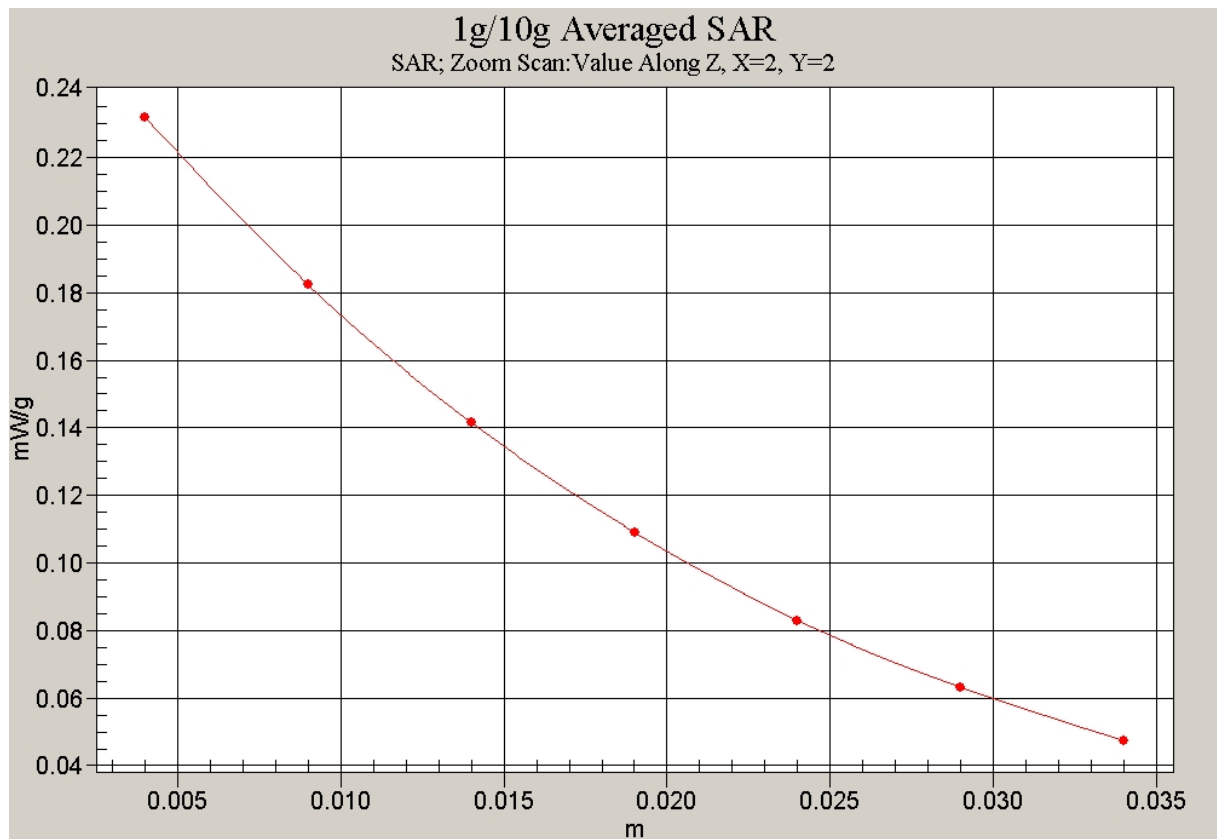


Fig. 98 Z-Scan at power reference point (850 MHz CH190)

850 Right Tilt Low

Date/Time: 2008-12-10 12:03:59

Electronics: DAE4 Sn771

Medium: 850 HEAD

Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.867 \text{ mho/m}$; $\epsilon_r = 40.6$; $\rho = 1000 \text{ kg/m}^3$

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(6.56, 6.56, 6.56)

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

Maximum value of SAR (interpolated) = 0.243 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 = 15.6 V/m ; Power Drift = 0.069 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.229 mW/g ; SAR(10 g) = 0.169 mW/g

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

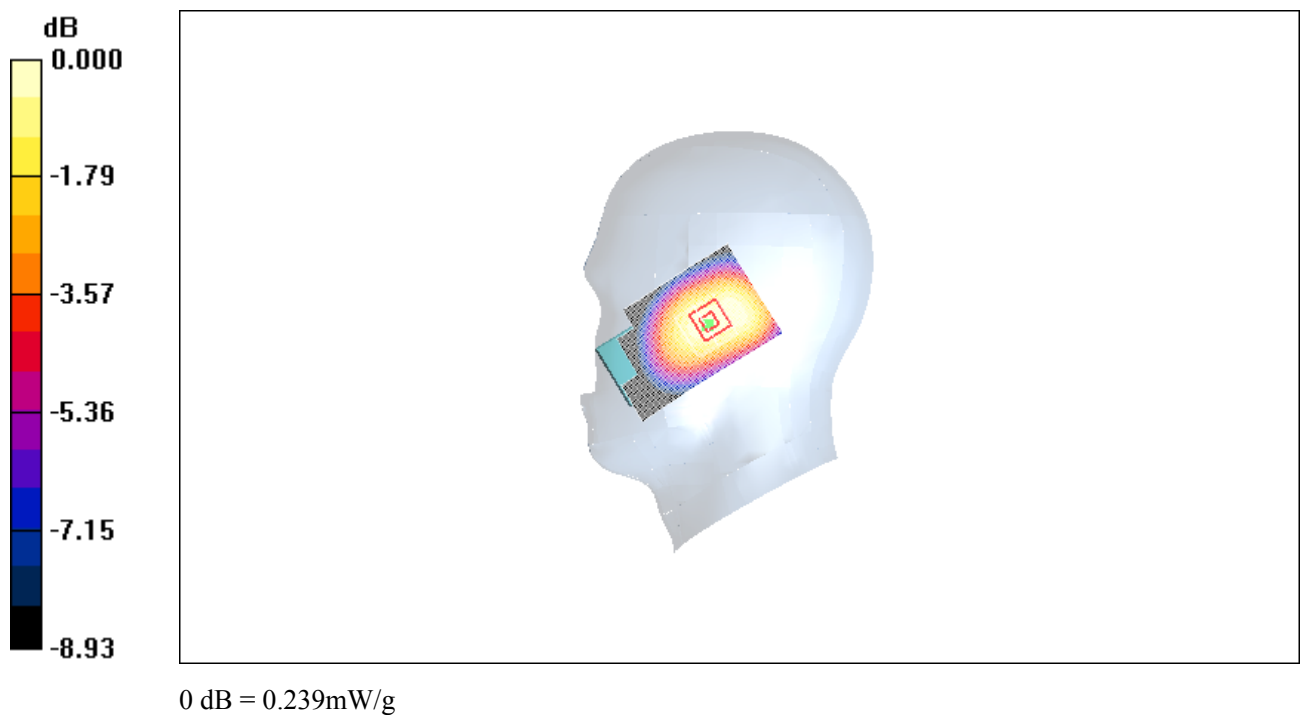


Fig.99 850 MHz CH128

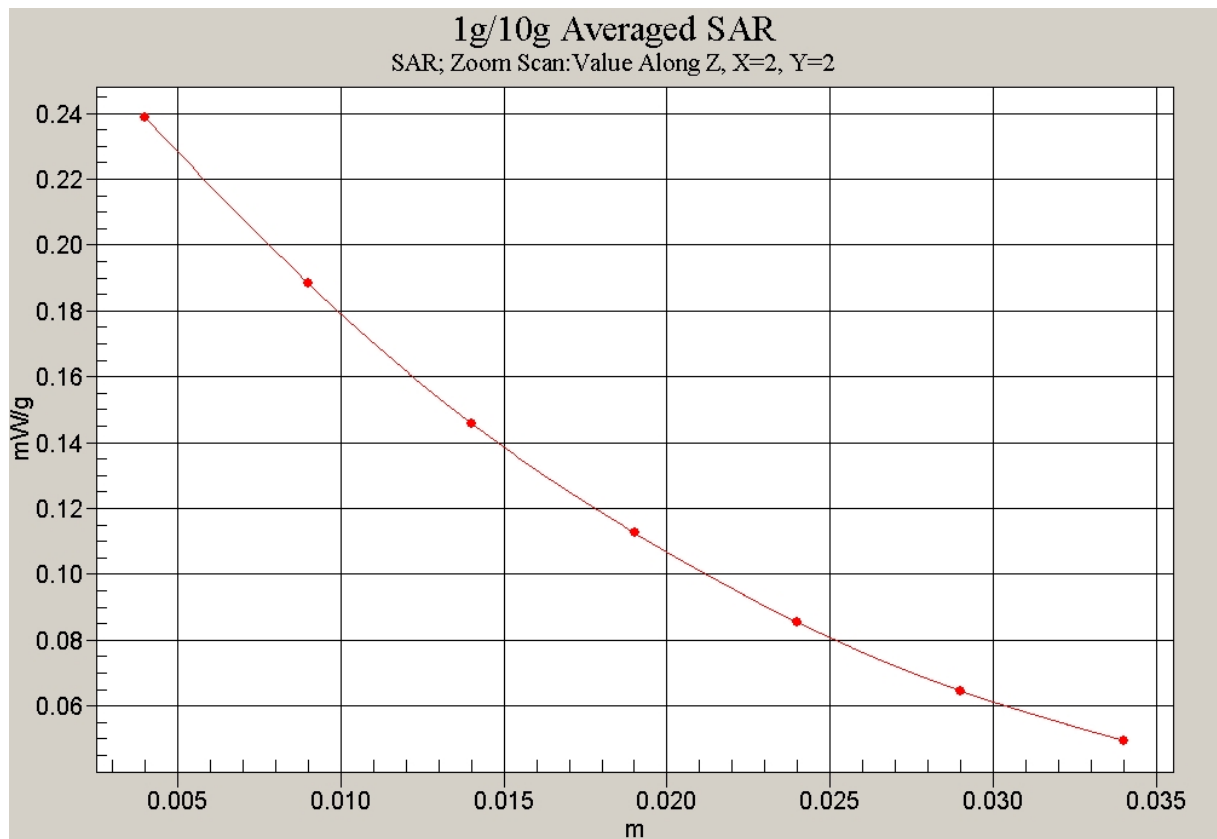


Fig. 100 Z-Scan at power reference point (850 MHz CH128)

850 Body Towards Ground High

Date/Time: 2008-12-10 15:05:33

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ 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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.896 mW/g

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

Reference Value = 29.3 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.606 mW/g

Maximum value of SAR (measured) = 0.900 mW/g

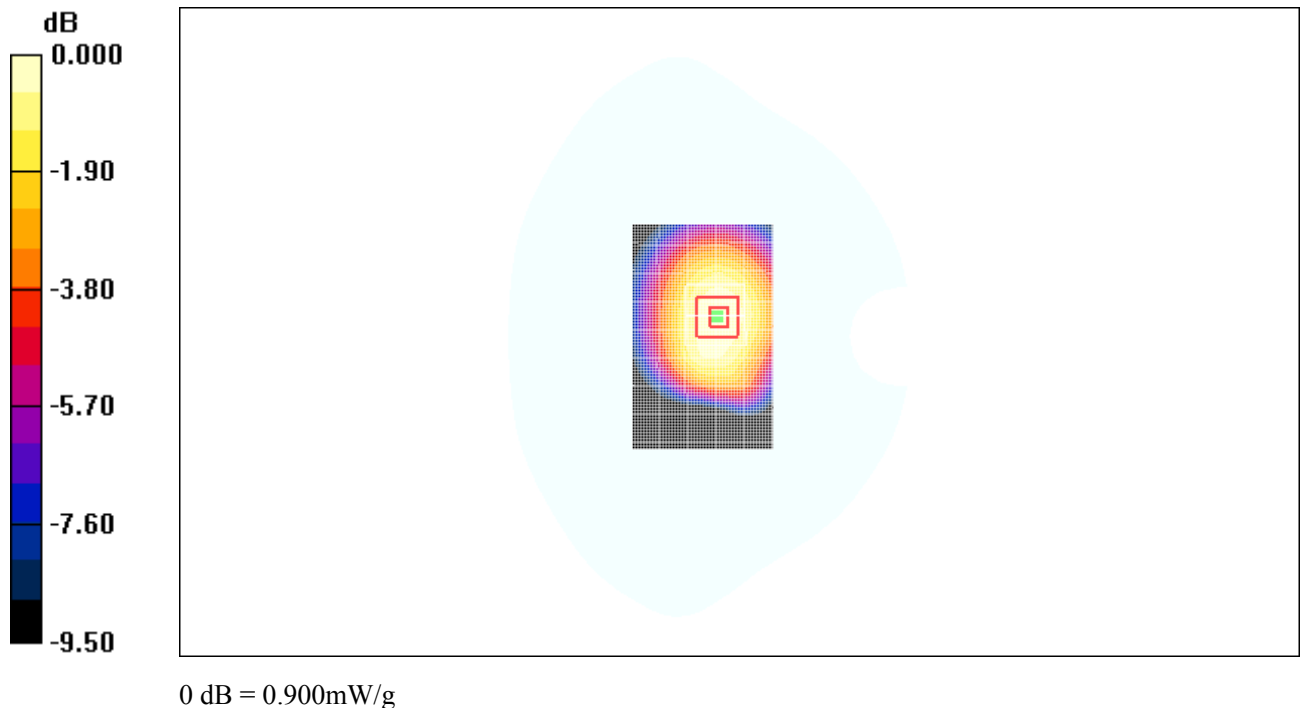


Fig. 101 850 MHz CH251

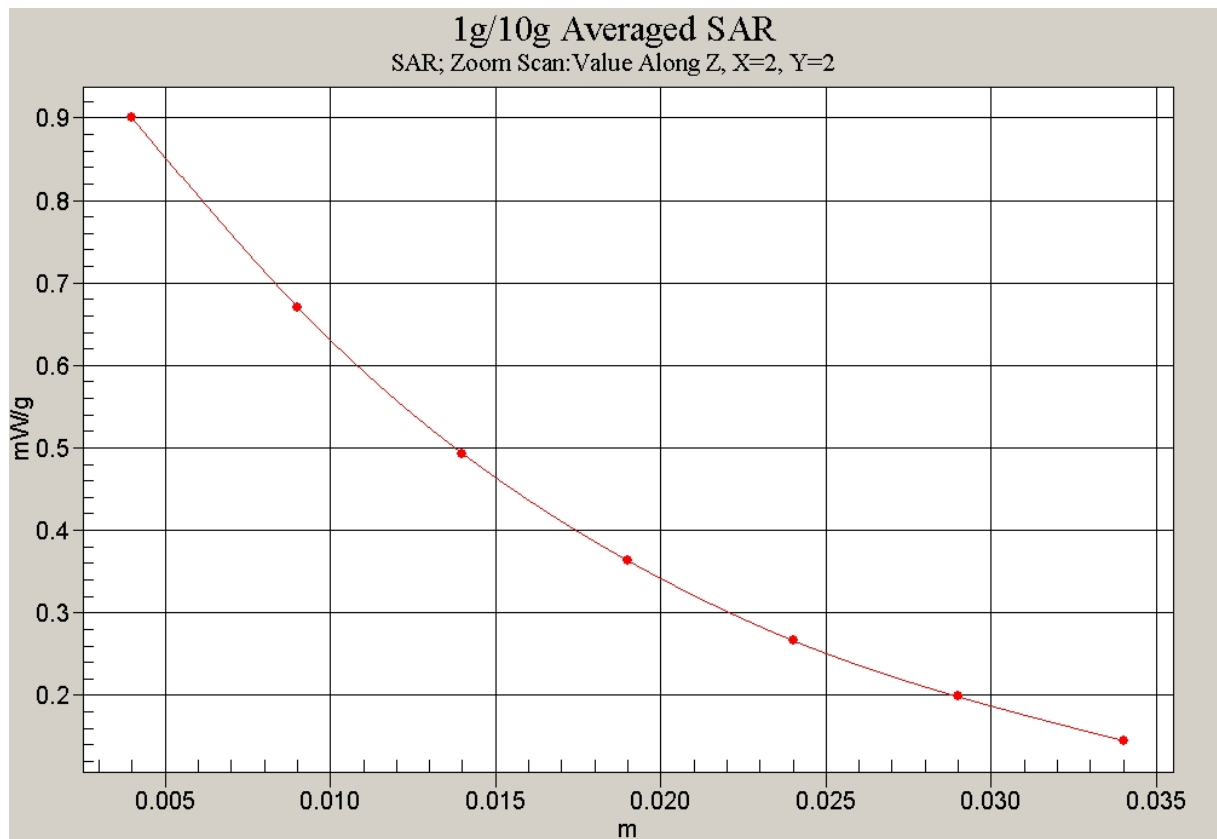


Fig. 102 Z-Scan at power reference point (850 MHz CH251)

850 Body Towards Ground Middle

Date/Time: 2008-12-10 15:19:38

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ 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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.871 mW/g

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

Reference Value = 29.0 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.592 mW/g

Maximum value of SAR (measured) = 0.873 mW/g

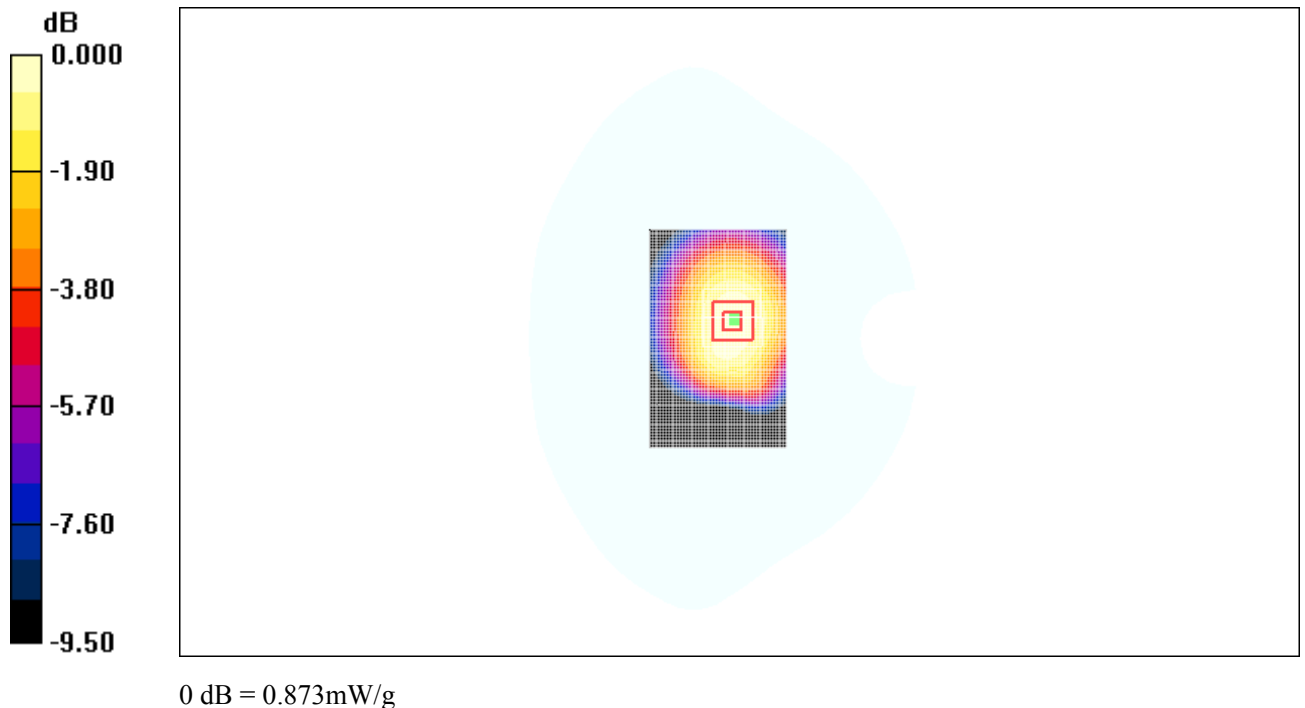


Fig.103 850 MHz CH190

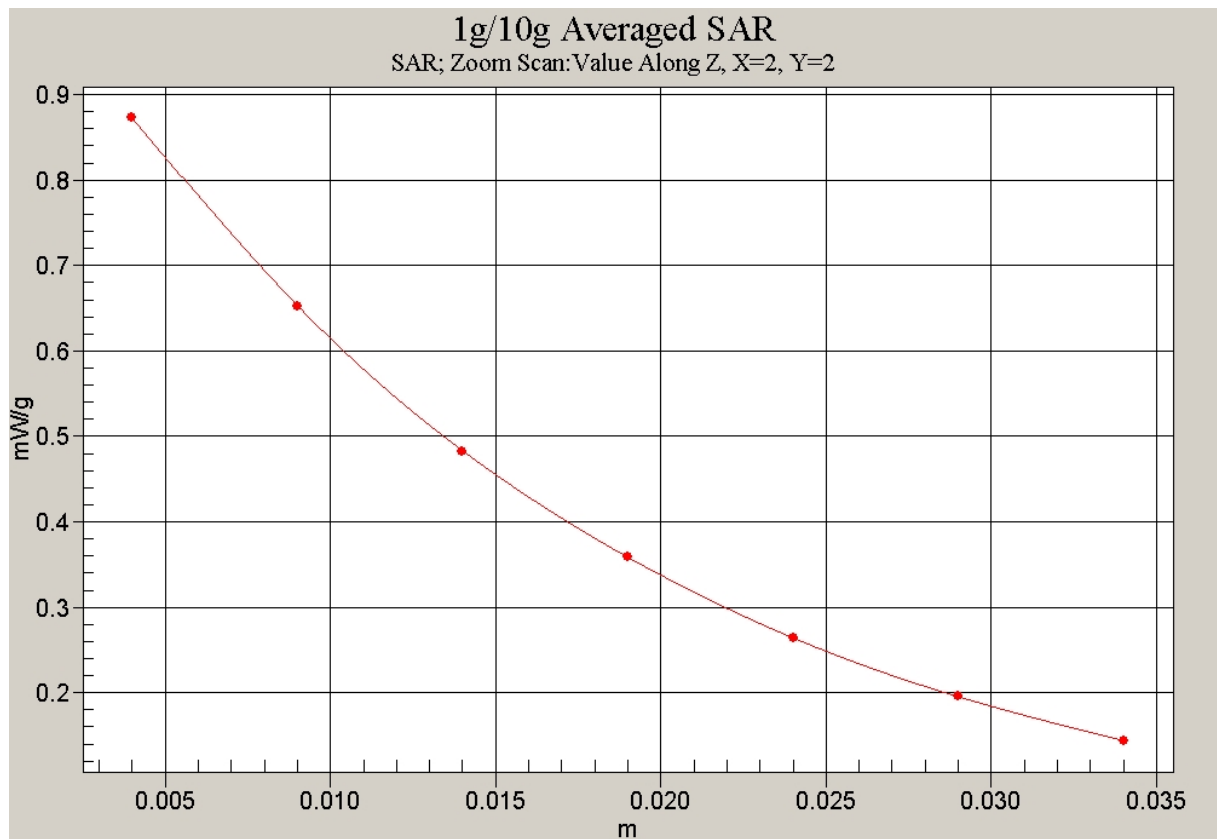


Fig. 104 Z-Scan at power reference point (850 MHz CH190)

850 Body Towards Ground Low

Date/Time: 2008-12-10 15:32:52

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used: $f = 825$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ 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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.846 mW/g

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

Reference Value = 28.9 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.580 mW/g

Maximum value of SAR (measured) = 0.852 mW/g

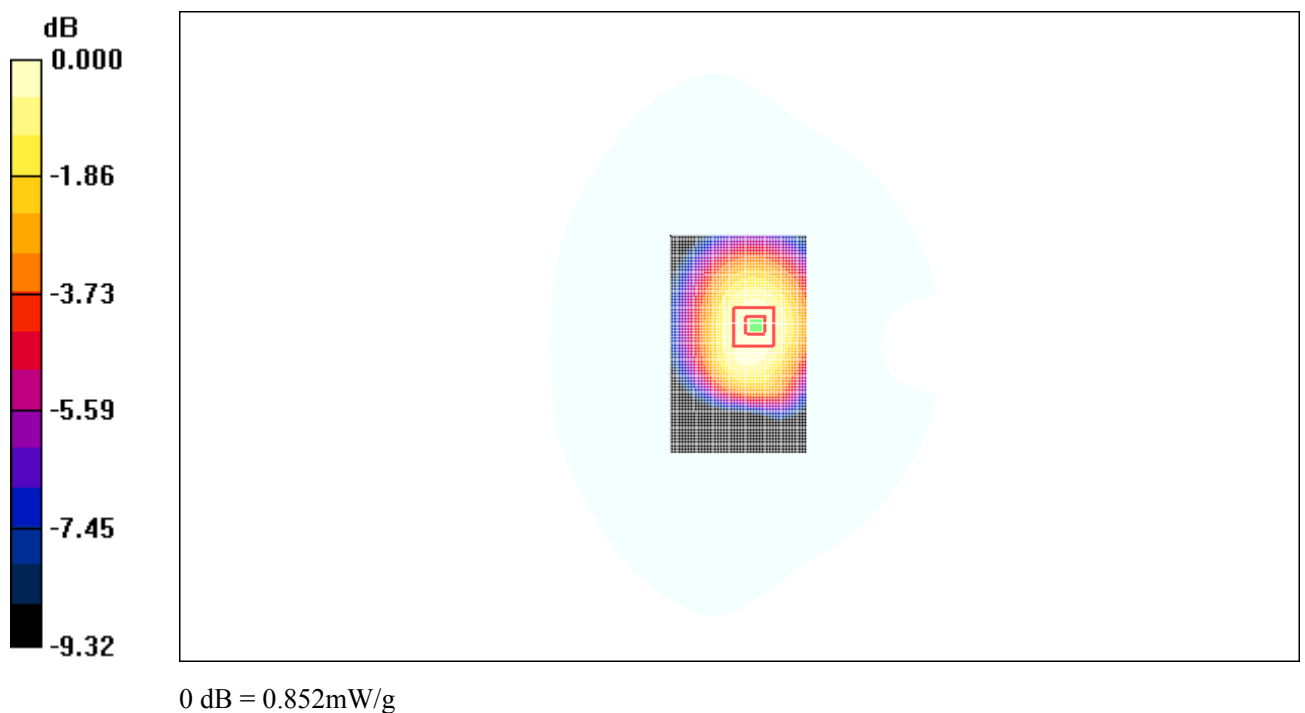


Fig. 105 850 MHz CH128

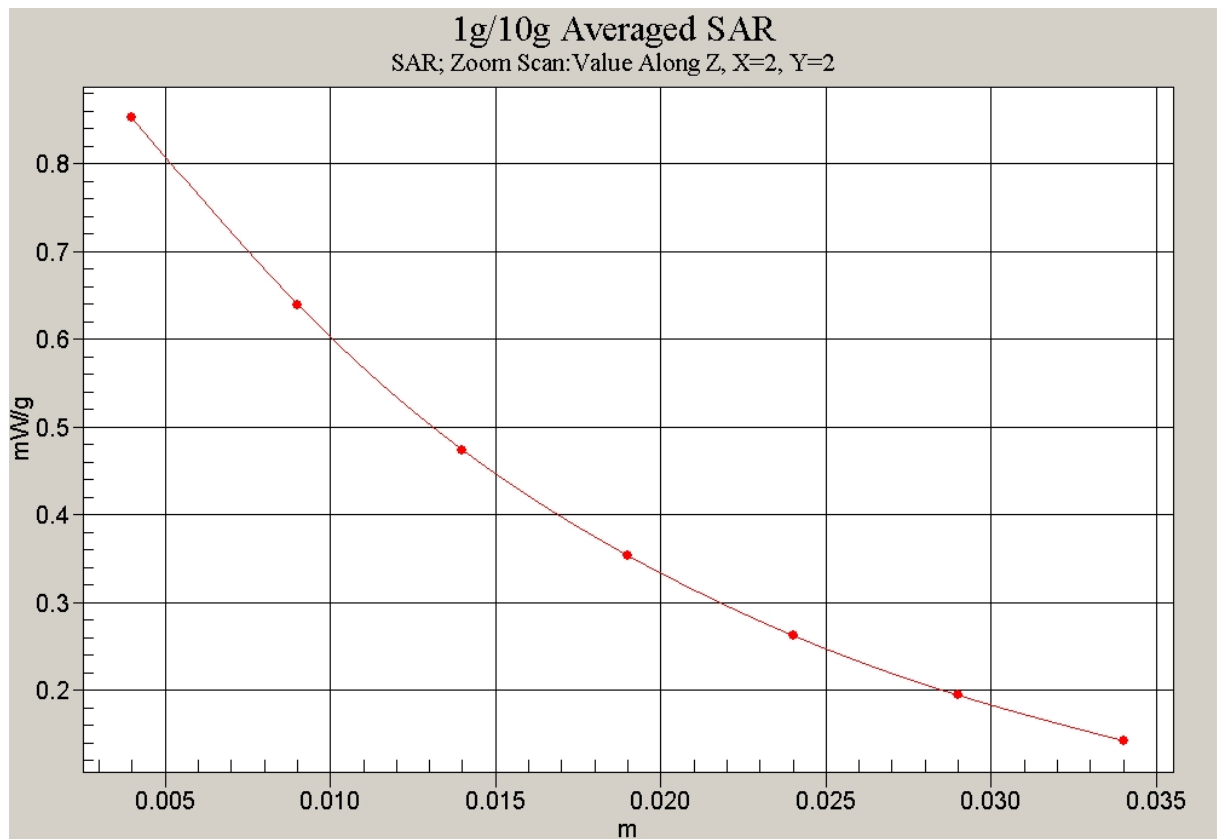


Fig. 106 Z-Scan at power reference point (850 MHz CH128)

850 Body Towards Phantom High

Date/Time: 2008-12-10 16:13:13

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ 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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.387 mW/g

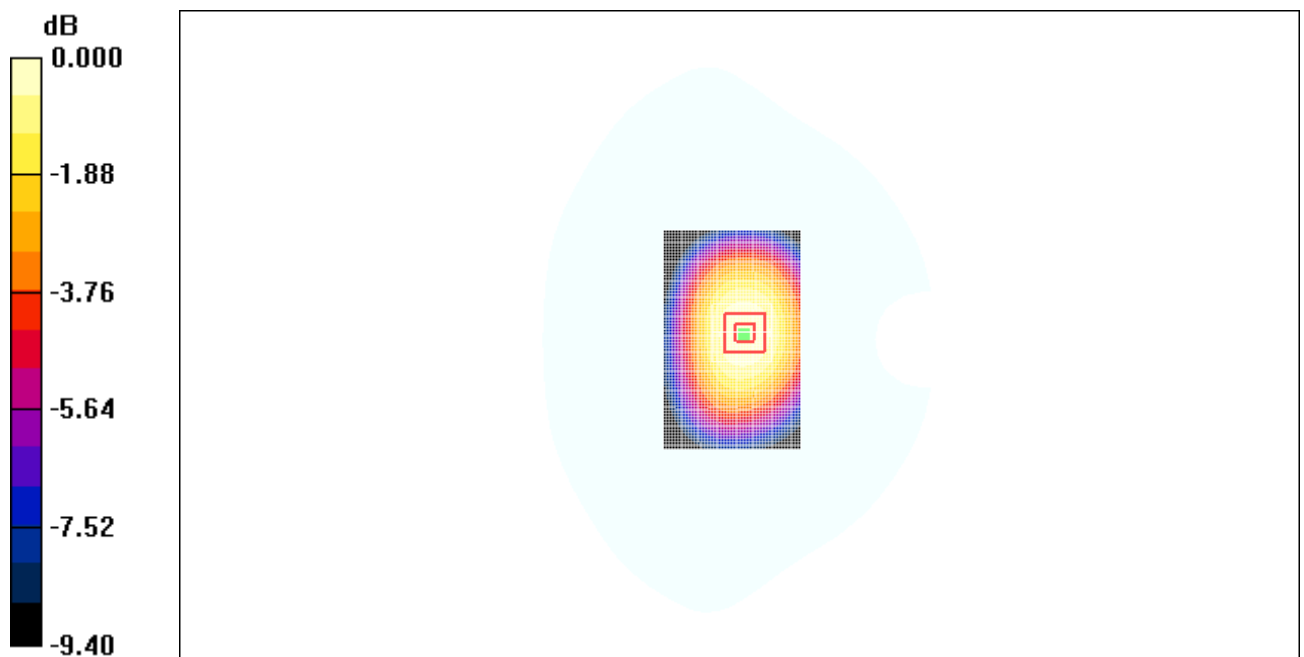
Toward Phantom High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 19.8 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.269 mW/g

Maximum value of SAR (measured) = 0.385 mW/g



0 dB = 0.385mW/g

Fig. 107 850 MHz CH251

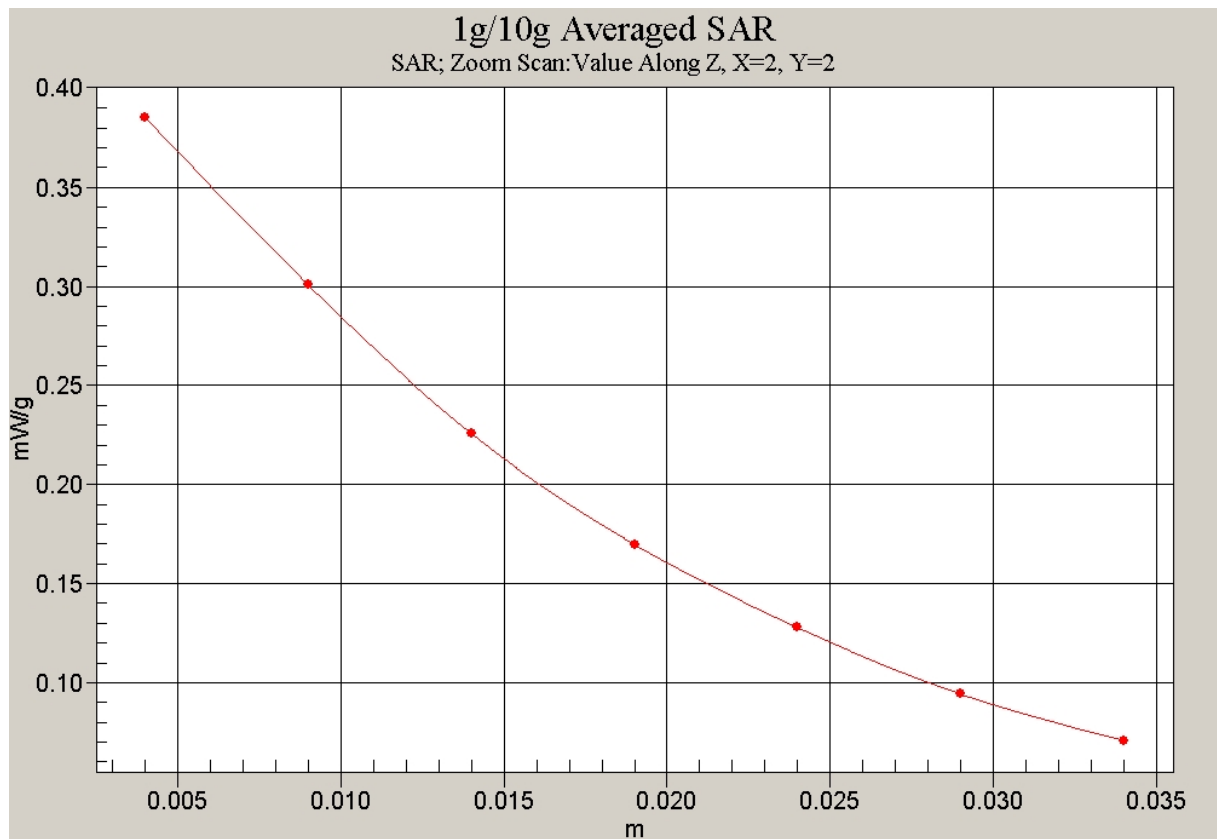


Fig. 108 Z-Scan at power reference point (850 MHz CH251)

850 Body Towards Phantom Middle

Date/Time: 2008-12-10 15:59:43

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ 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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.333 mW/g

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

Reference Value = 18.3 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.394 W/kg

SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 0.332 mW/g

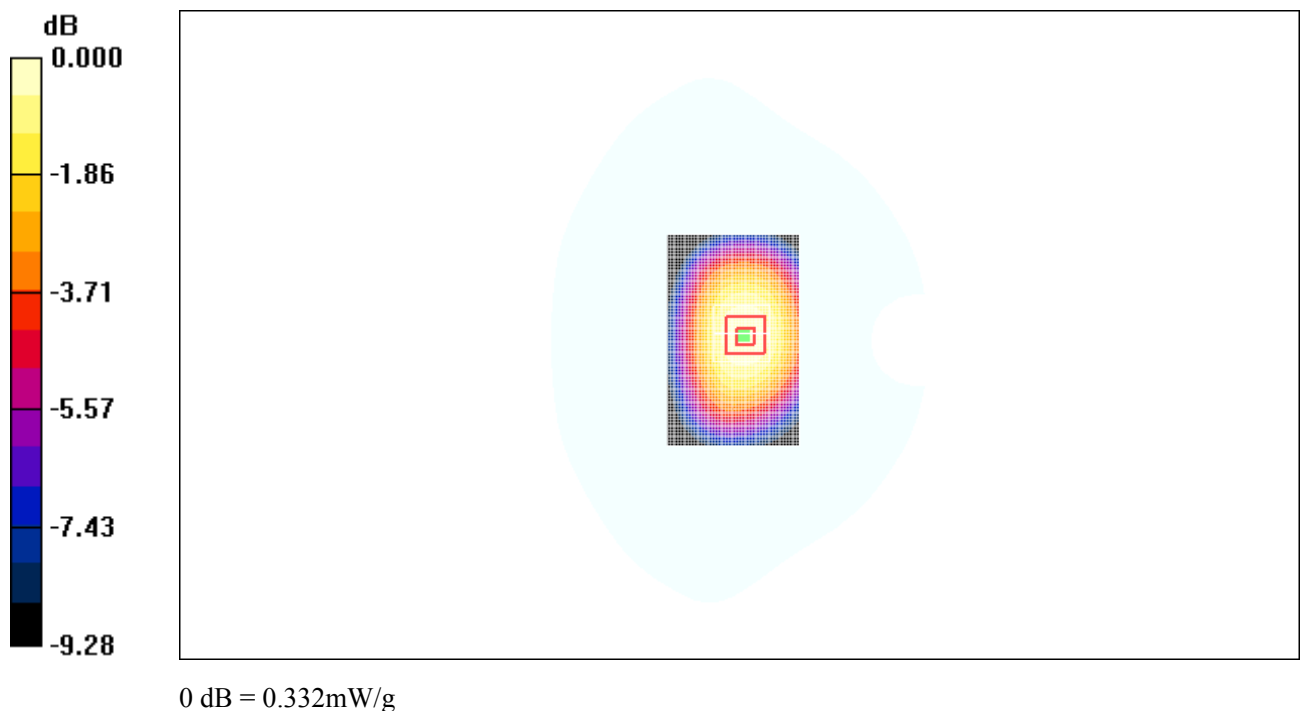


Fig. 109 850 MHz CH190

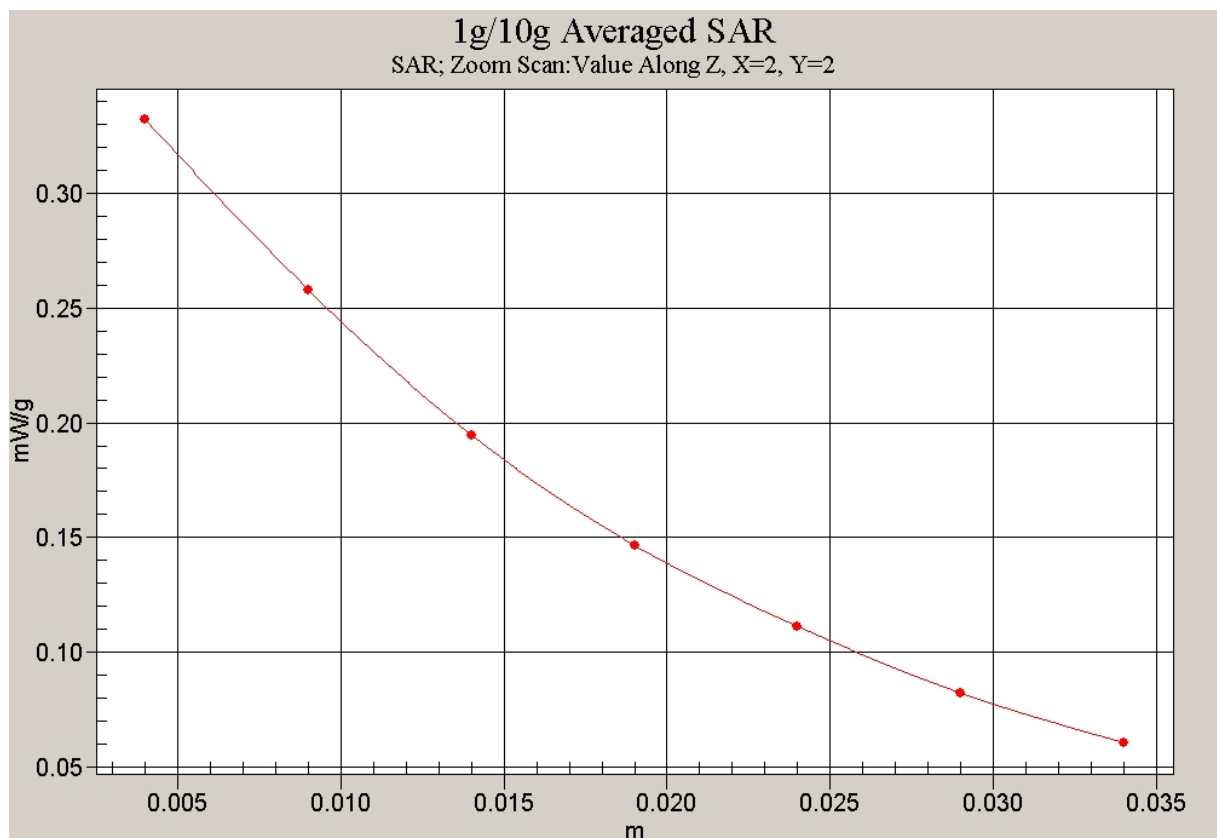


Fig. 110 Z-Scan at power reference point (850 MHz CH190)

850 Body Towards Phantom Low

Date/Time: 2008-12-10 15:46:04

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used: $f = 825$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ 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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.333 mW/g

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

Reference Value = 18.6 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.234 mW/g

Maximum value of SAR (measured) = 0.332 mW/g

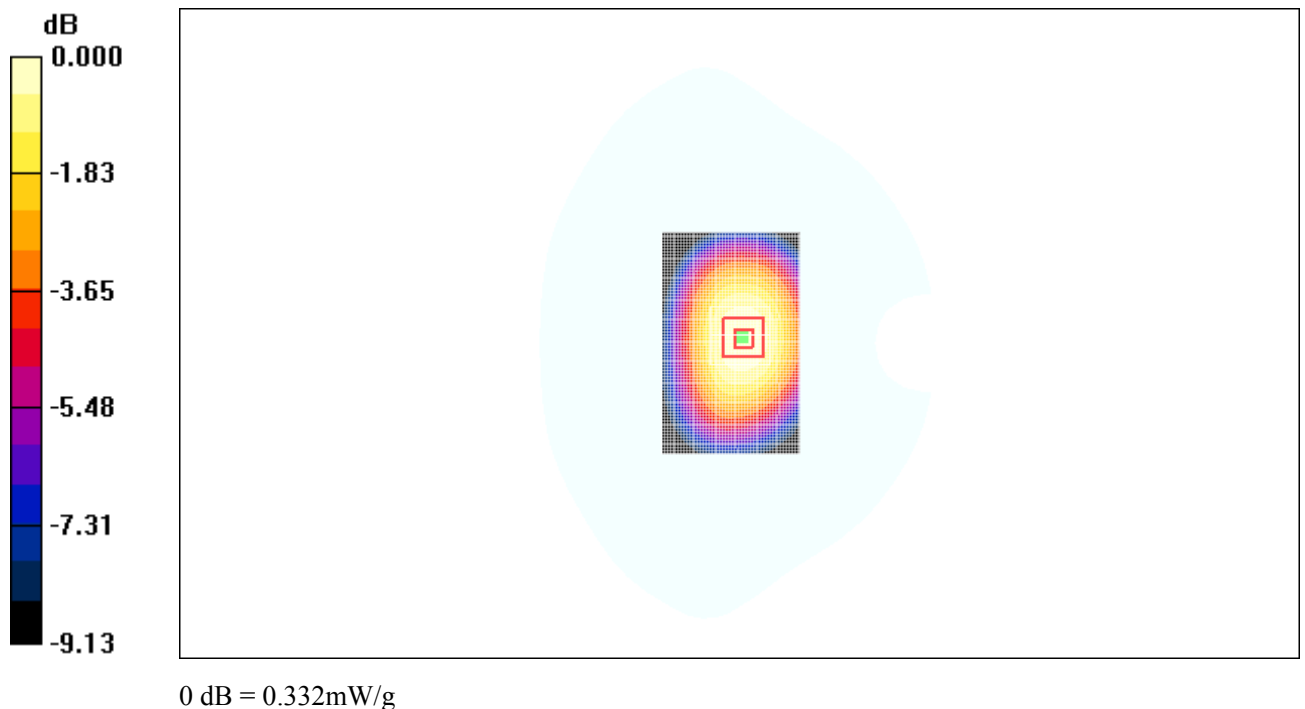


Fig.111 850 MHz CH128

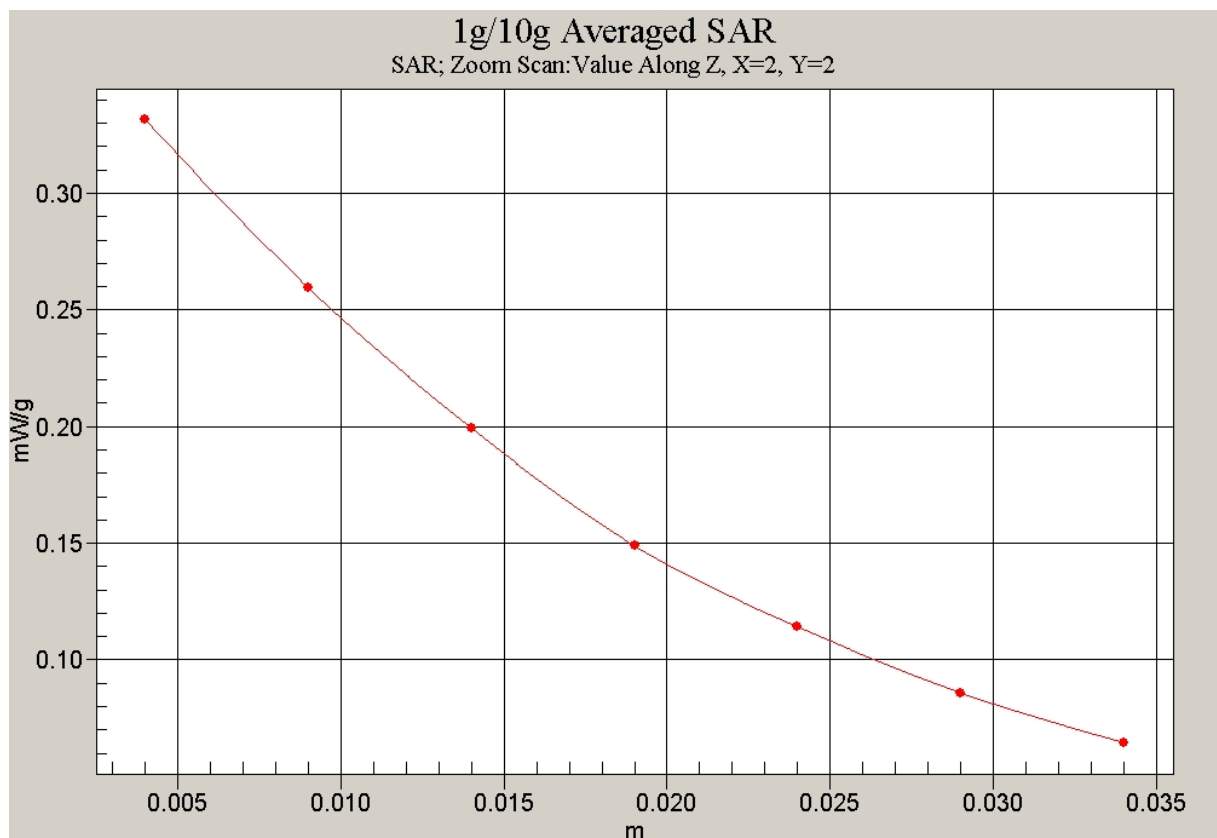


Fig. 112 Z-Scan at power reference point (850 MHz CH128)

850 Body Towards Ground High with GPRS

Date/Time: 2008-12-10 16:35:31

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

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 (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.23 mW/g

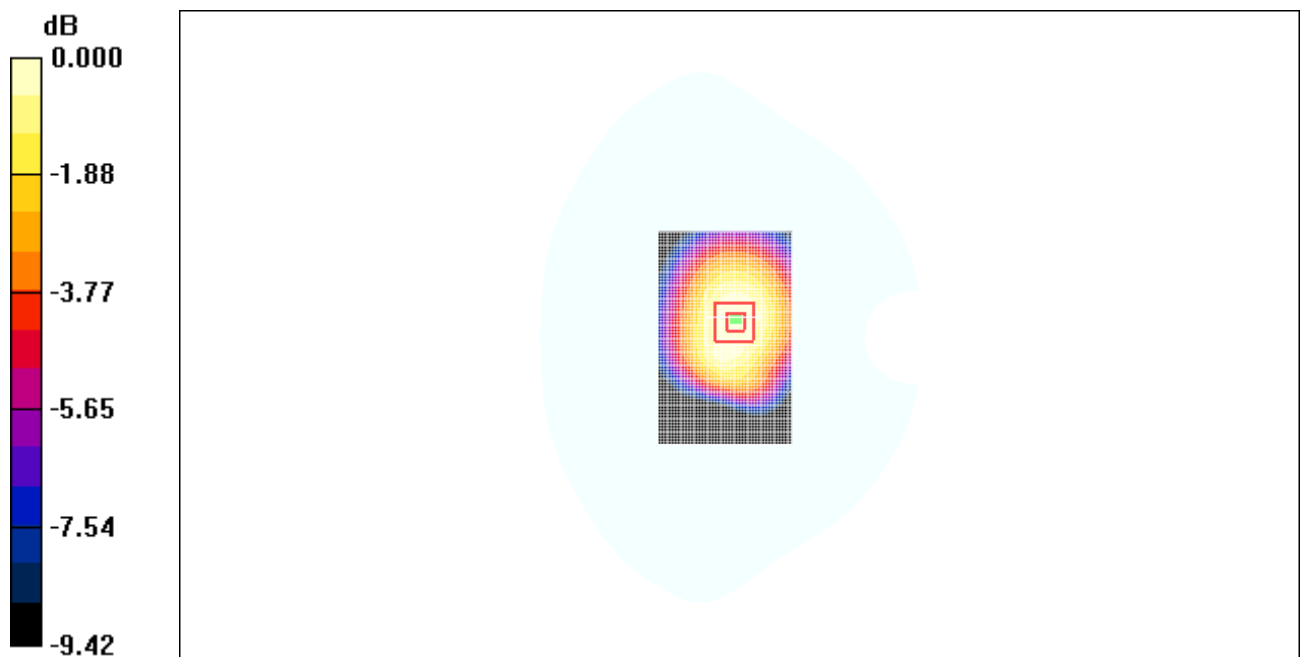
Toward Ground High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.0 V/m; Power Drift = -0.097 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.837 mW/g

Maximum value of SAR (measured) = 1.23 mW/g



0 dB = 1.23mW/g

Fig. 113 850 MHz CH251

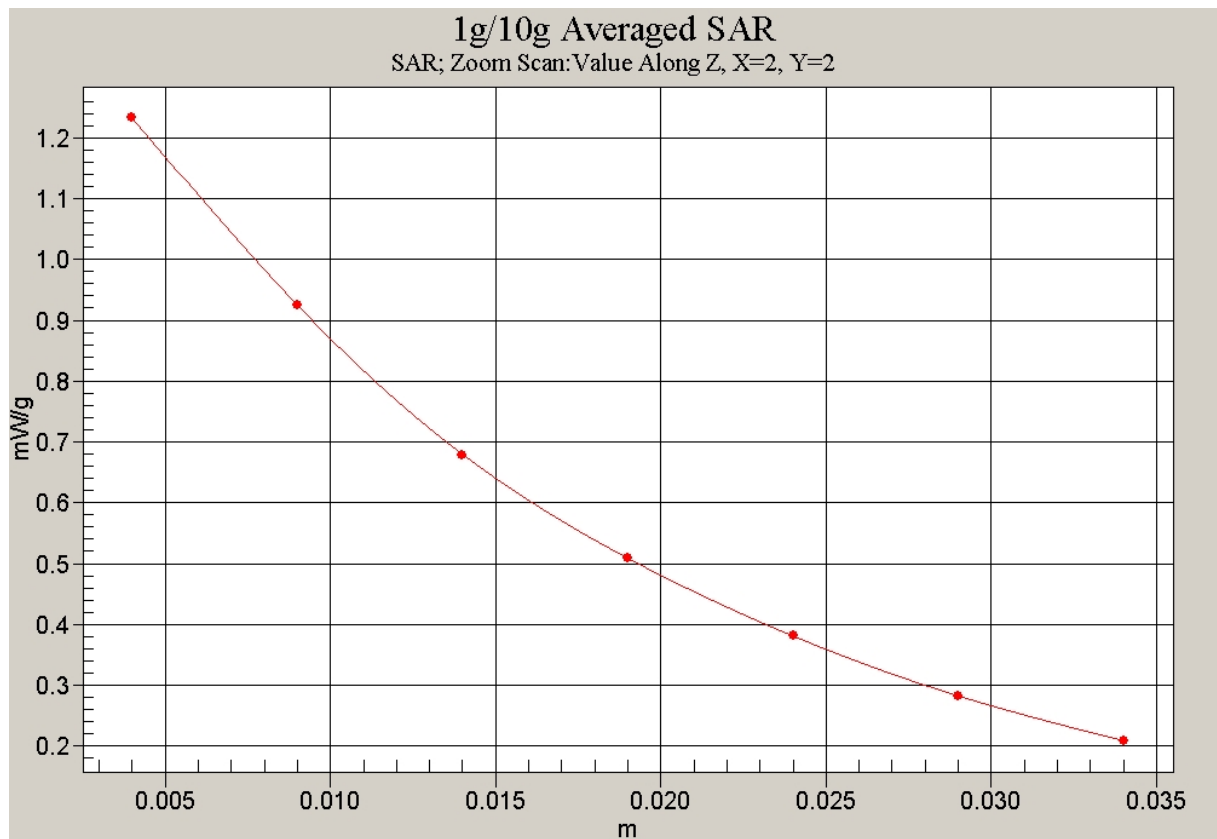


Fig. 114 Z-Scan at power reference point (850 MHz CH251)

850 Body Towards Ground Middle with GPRS

Date/Time: 2008-12-10 16:50:09

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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 (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.19 mW/g

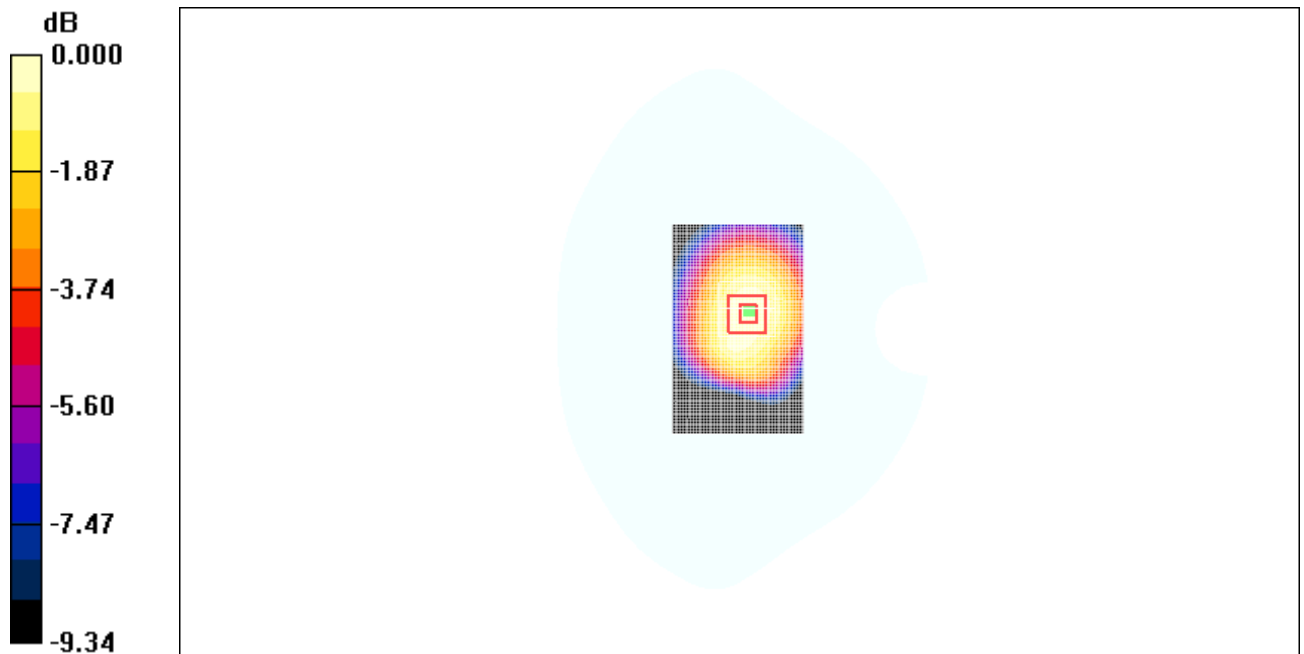
Toward Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.6 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.828 mW/g

Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21mW/g

Fig. 115 850 MHz CH190

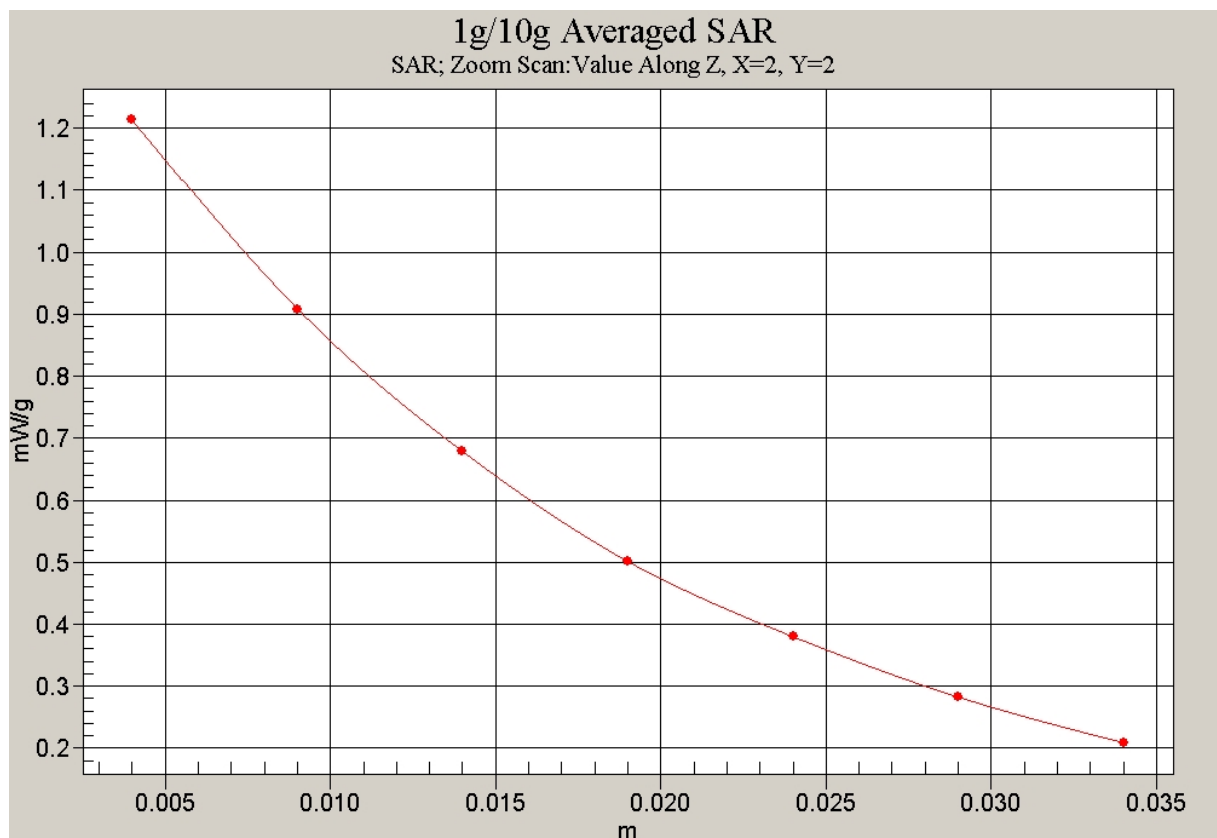


Fig. 116 Z-Scan at power reference point (850 MHz CH190)

850 Body Towards Ground Low with GPRS

Date/Time: 2008-12-10 17:02:04

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used: $f = 825$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

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 (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.16 mW/g

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

Reference Value = 34.3 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.803 mW/g

Maximum value of SAR (measured) = 1.17 mW/g

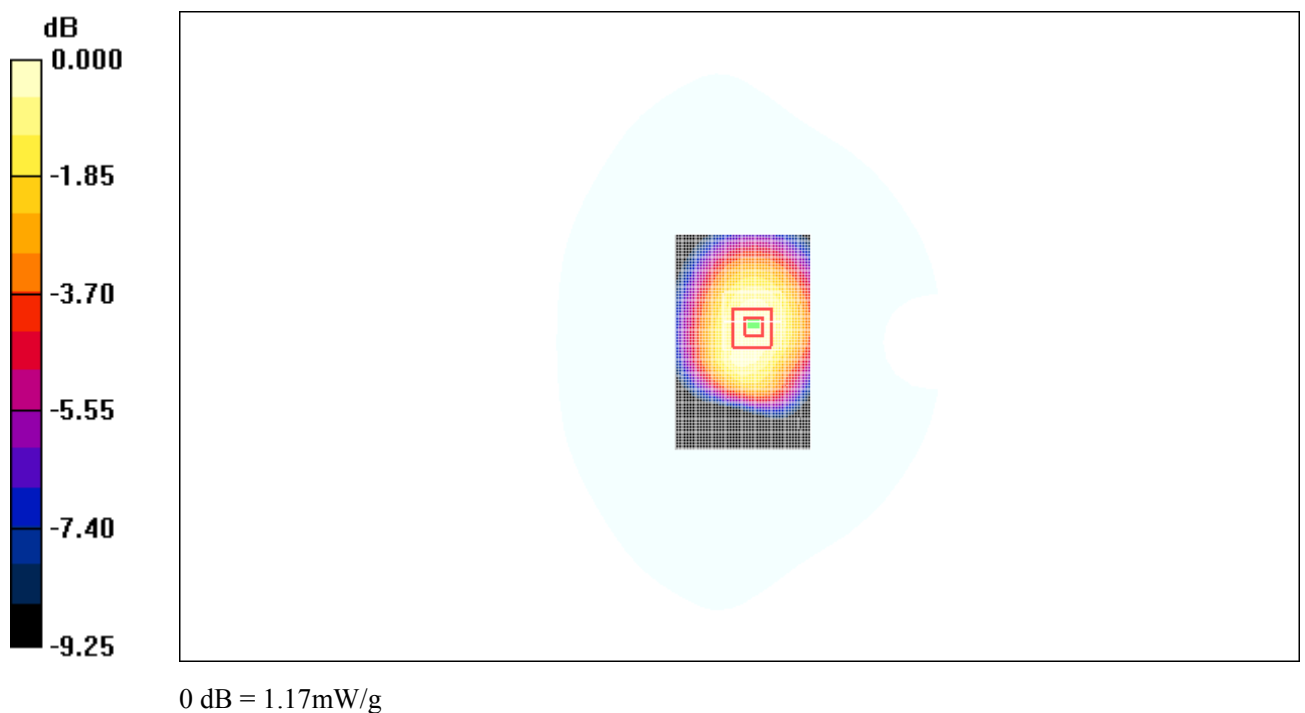


Fig. 117 850 MHz CH128

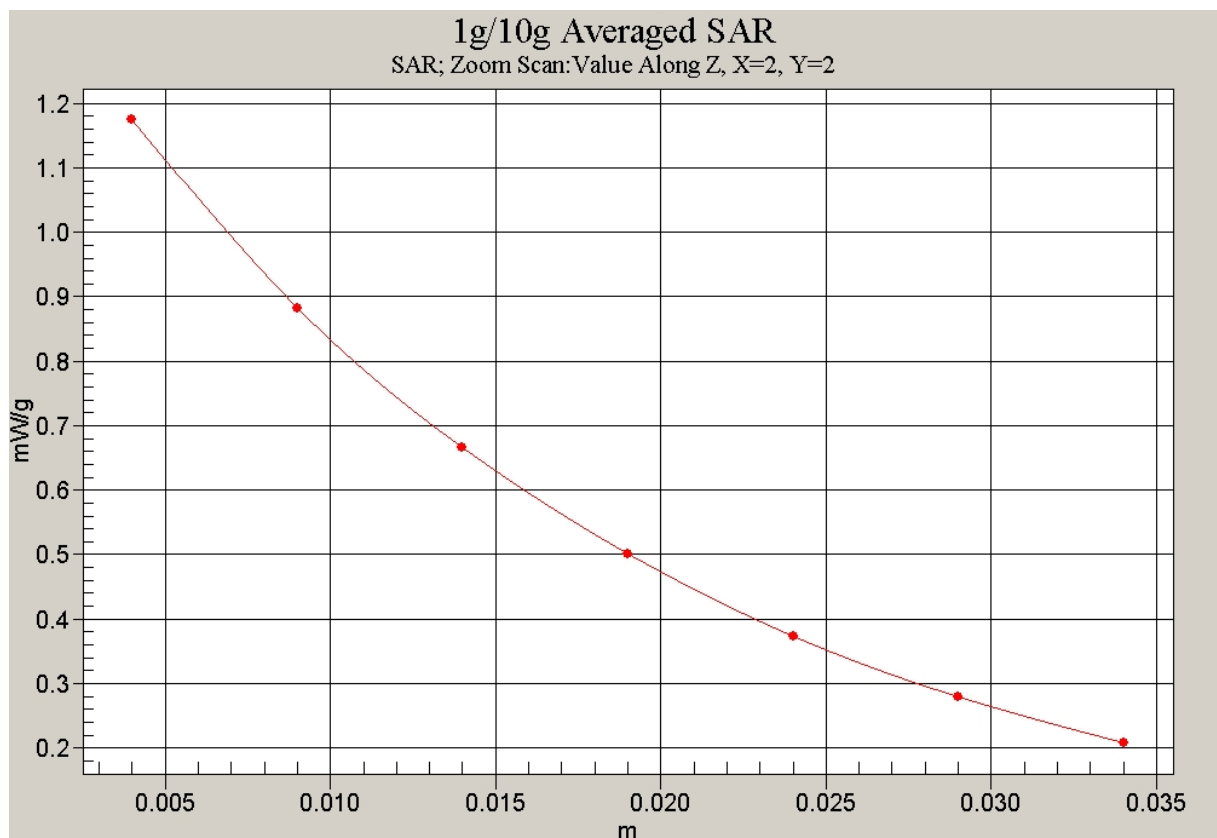


Fig. 118 Z-Scan at power reference point (850 MHz CH128)

850 Body Towards Phantom High with GPRS

Date/Time: 2008-12-10 17:42:22

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

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 (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.587 mW/g

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

Reference Value = 24.7 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.690 W/kg

SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 0.582 mW/g

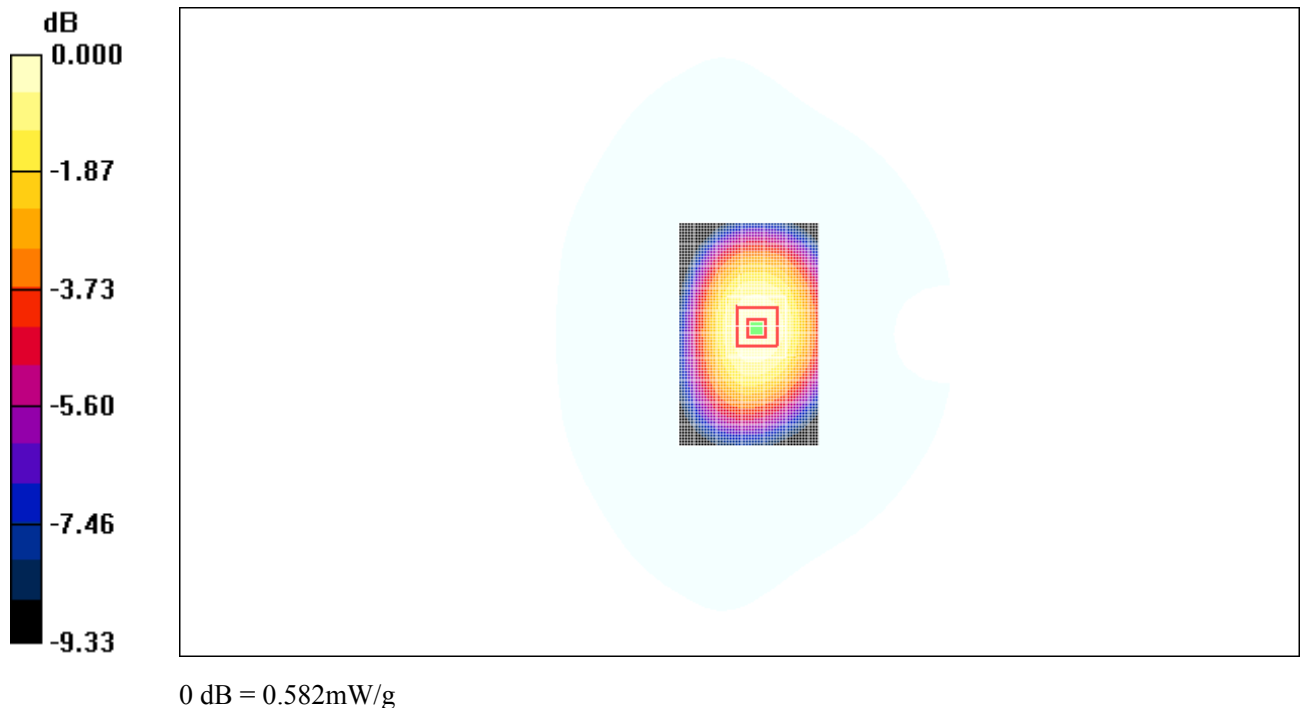


Fig. 119 850 MHz CH251

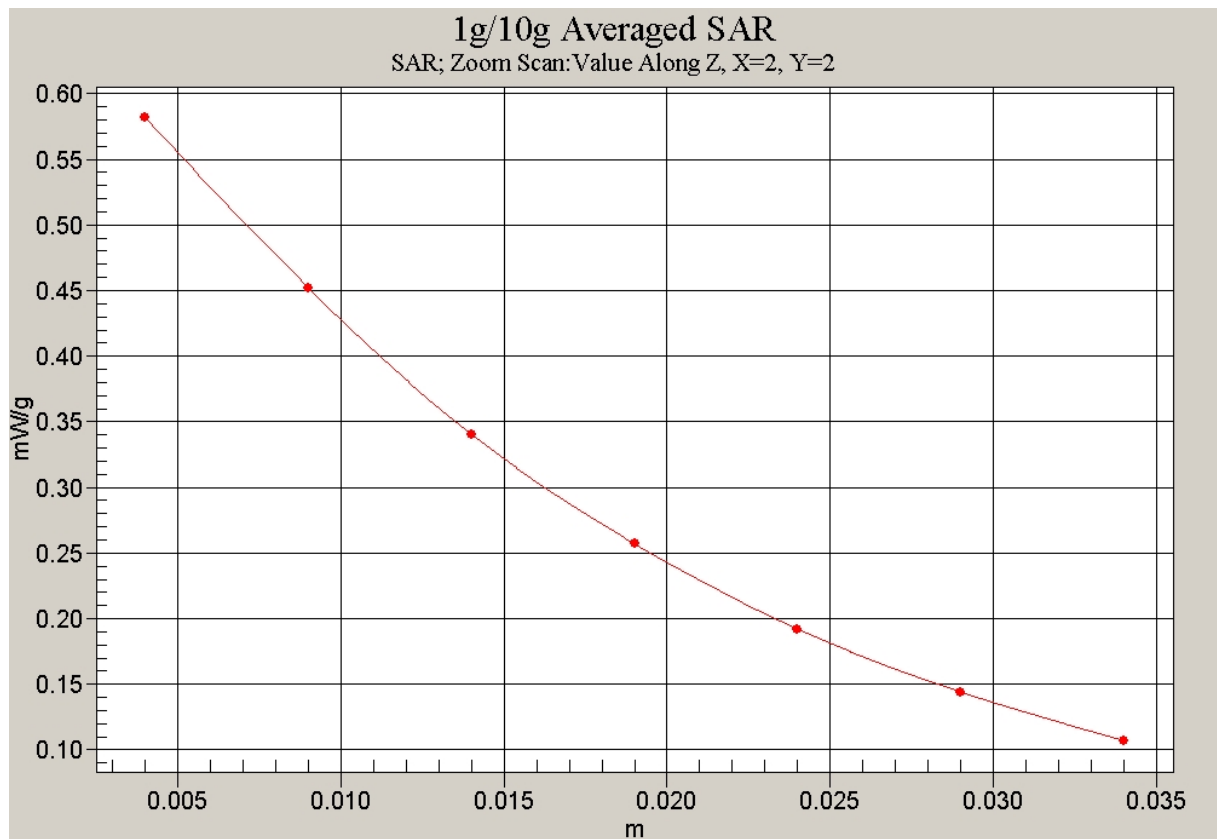


Fig. 120 Z-Scan at power reference point (850 MHz CH251)

850 Body Towards Phantom Middle with GPRS

Date/Time: 2008-12-10 17:29:42

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

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 (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.491 mW/g

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

Reference Value = 22.5 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.577 W/kg

SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.344 mW/g

Maximum value of SAR (measured) = 0.489 mW/g

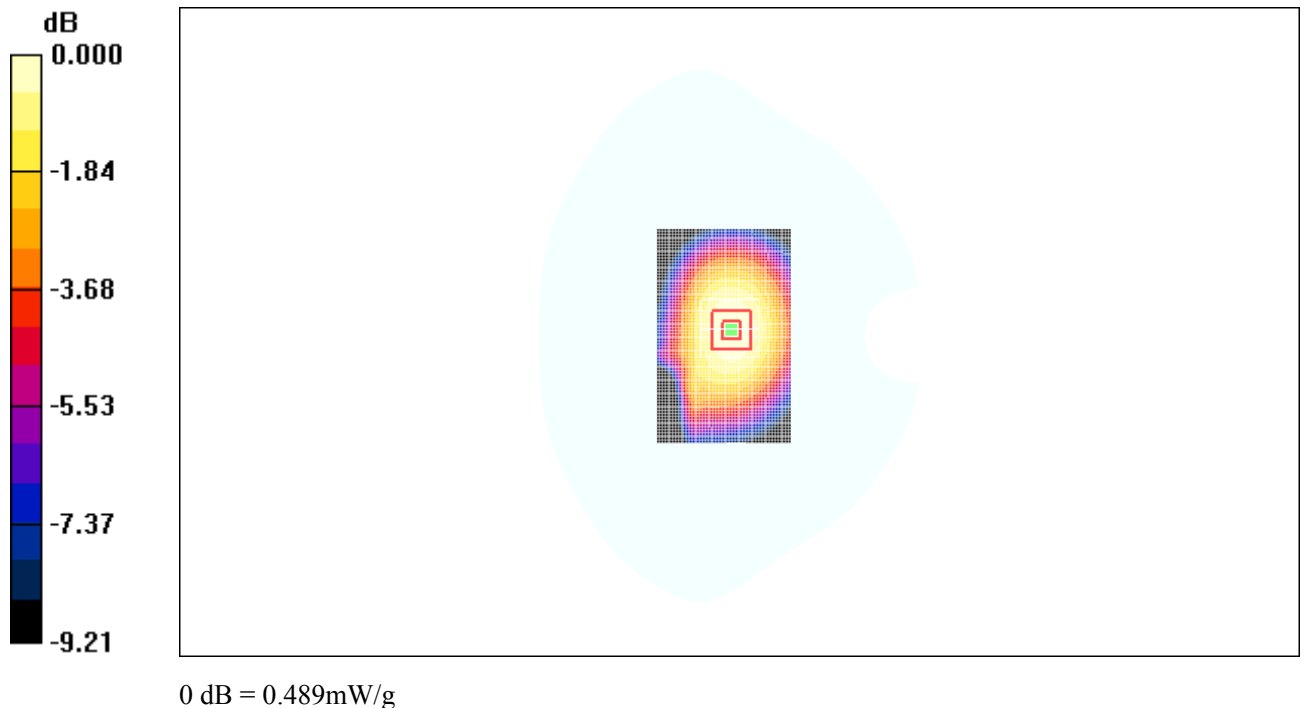


Fig. 121 850 MHz CH190

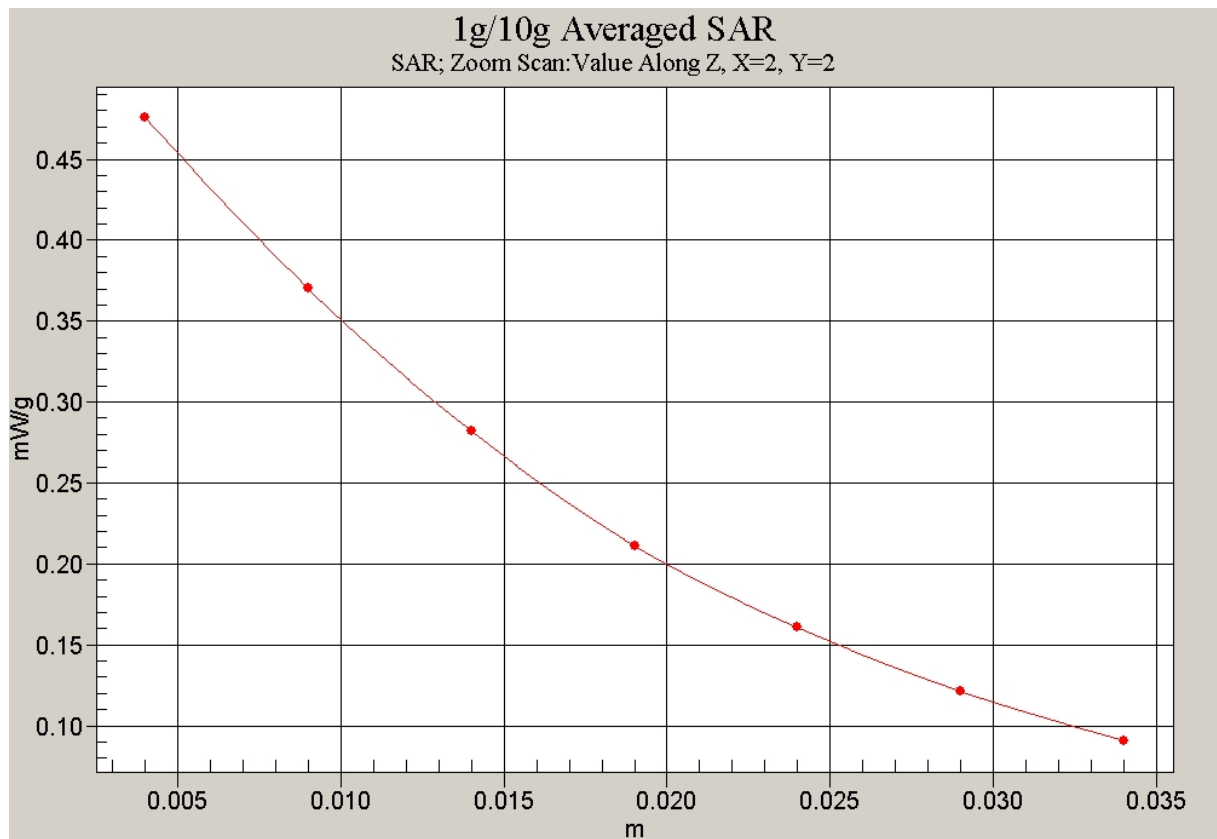


Fig. 122 Z-Scan at power reference point (850 MHz CH190)

850 Body Towards Phantom Low with GPRS

Date/Time: 2008-12-10 17:15:37

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used: $f = 825$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

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

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

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

Reference Value = 22.2 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 0.476 mW/g

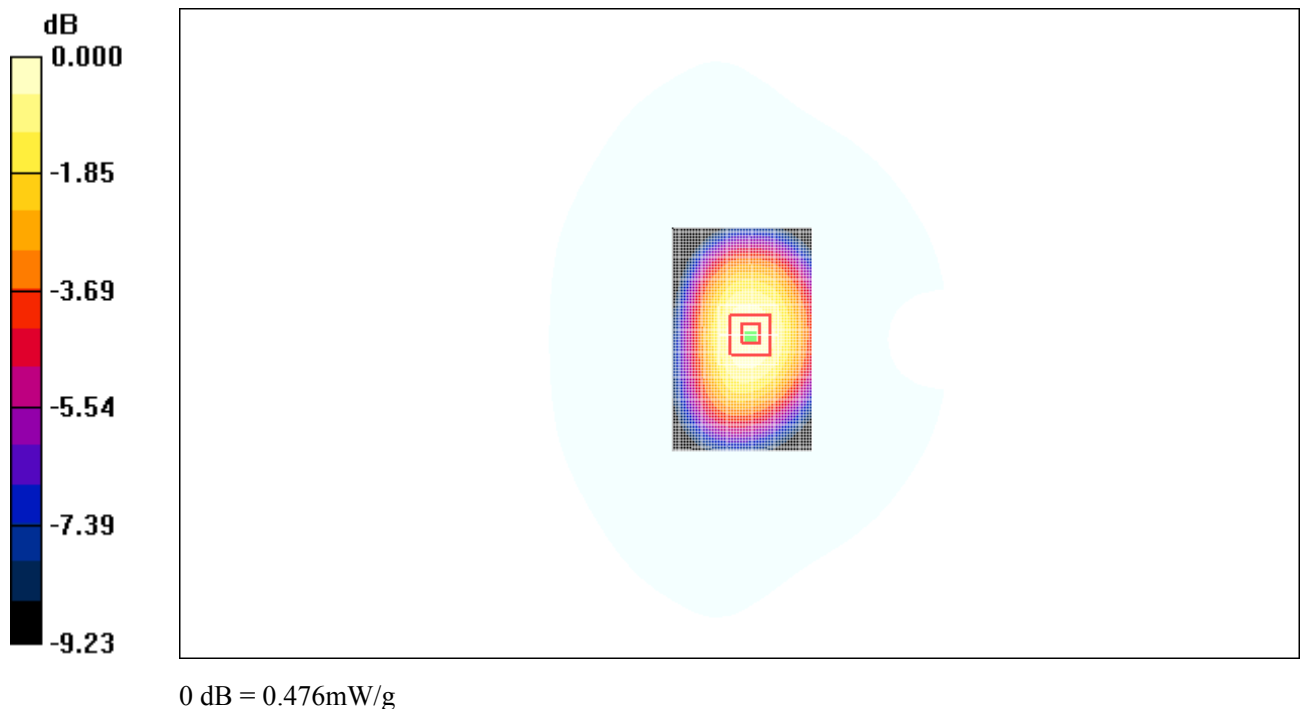


Fig. 123 850 MHz CH128

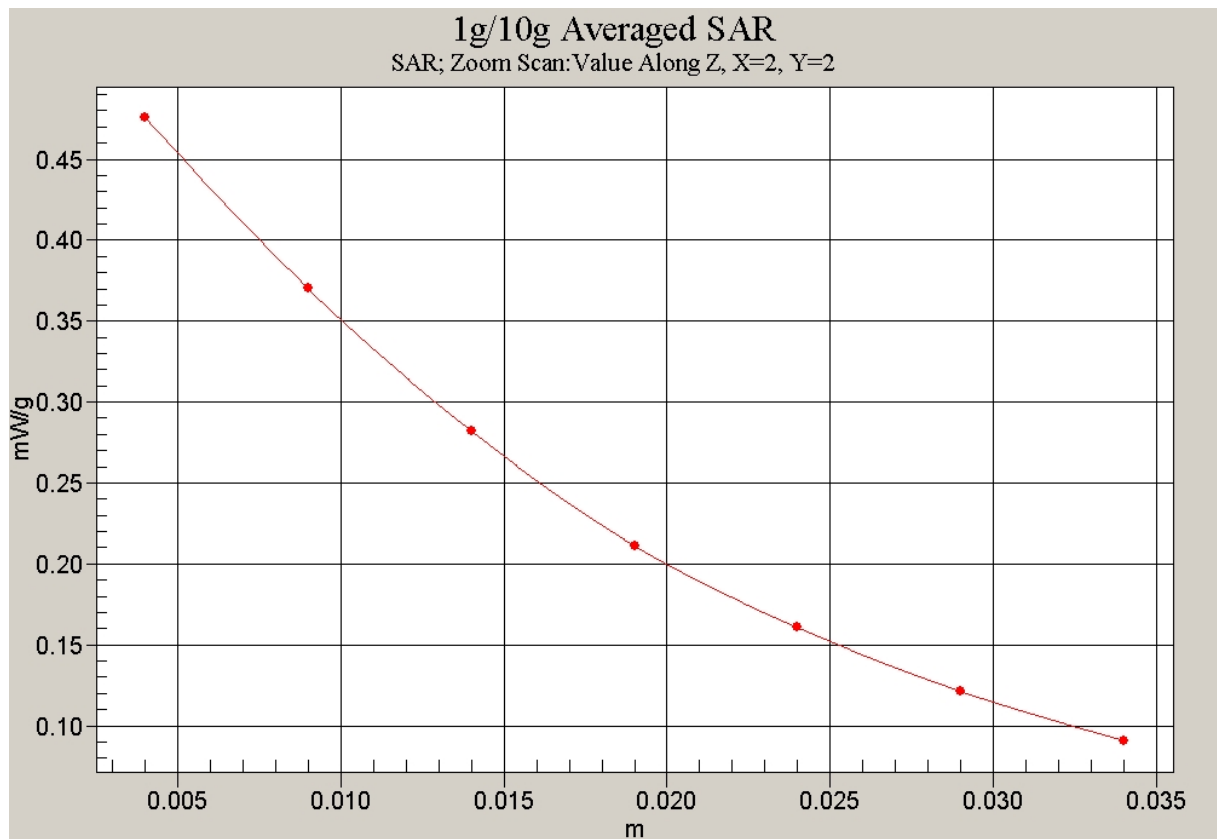


Fig. 124 Z-Scan at power reference point (850 MHz CH128)

850 Body Towards Ground High with EGPRS

Date/Time: 2008-12-10 18:09:12

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

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 (51x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.457 mW/g

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

Reference Value = 21.1 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.307 mW/g

Maximum value of SAR (measured) = 0.451 mW/g

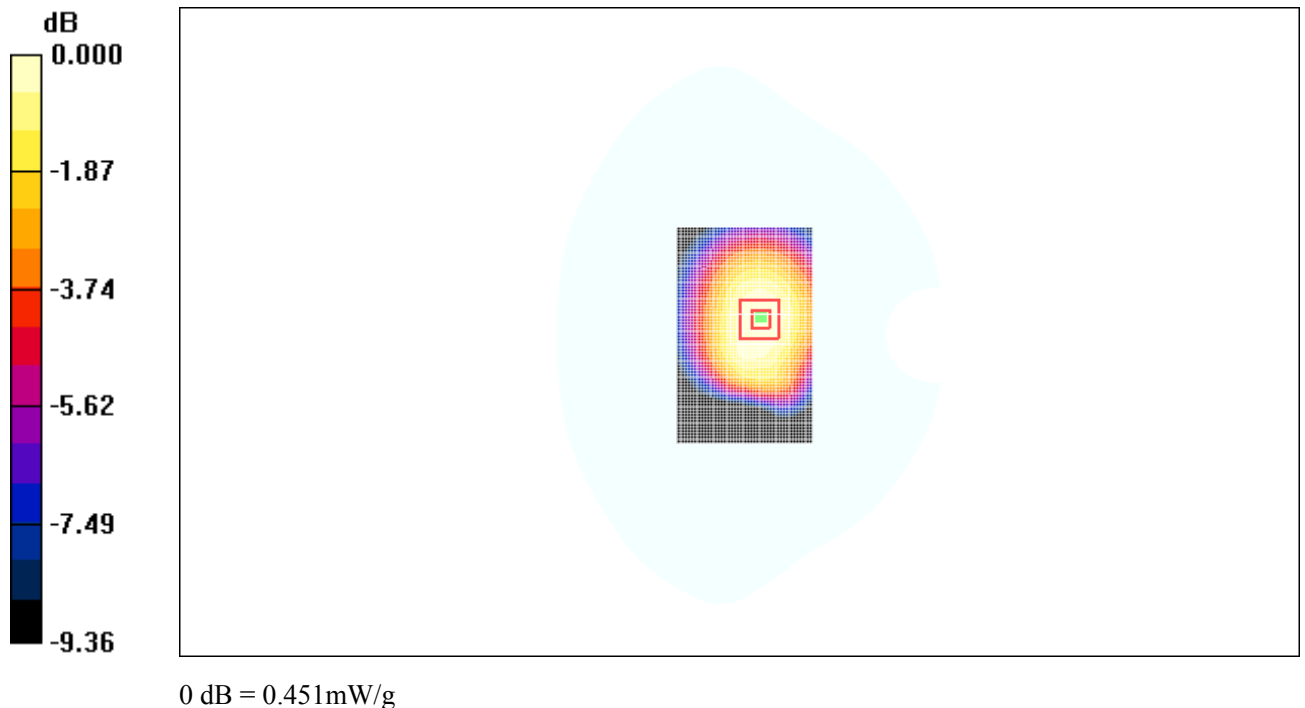


Fig. 125 850 MHz CH251

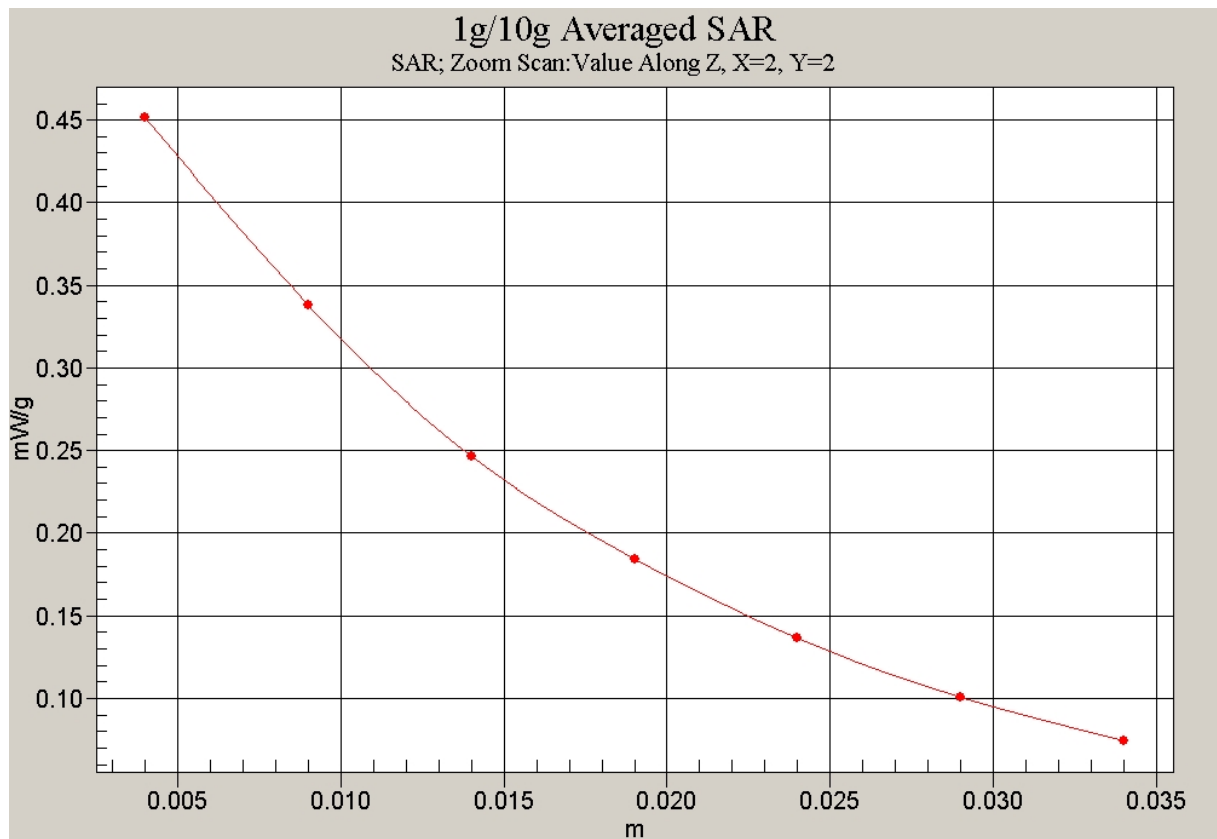


Fig. 126 Z-Scan at power reference point (850 MHz CH251)

850 Body Towards Ground High with Headset

Date/Time: 2008-12-10 18:27:18

Electronics: DAE4 Sn771

Medium: 850 Body

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ 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 - SN3149 ConvF(6.22, 6.22, 6.22)

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

Maximum value of SAR (interpolated) = 0.713 mW/g

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

Reference Value = 24.8 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.837 W/kg

SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.483 mW/g

Maximum value of SAR (measured) = 0.709 mW/g

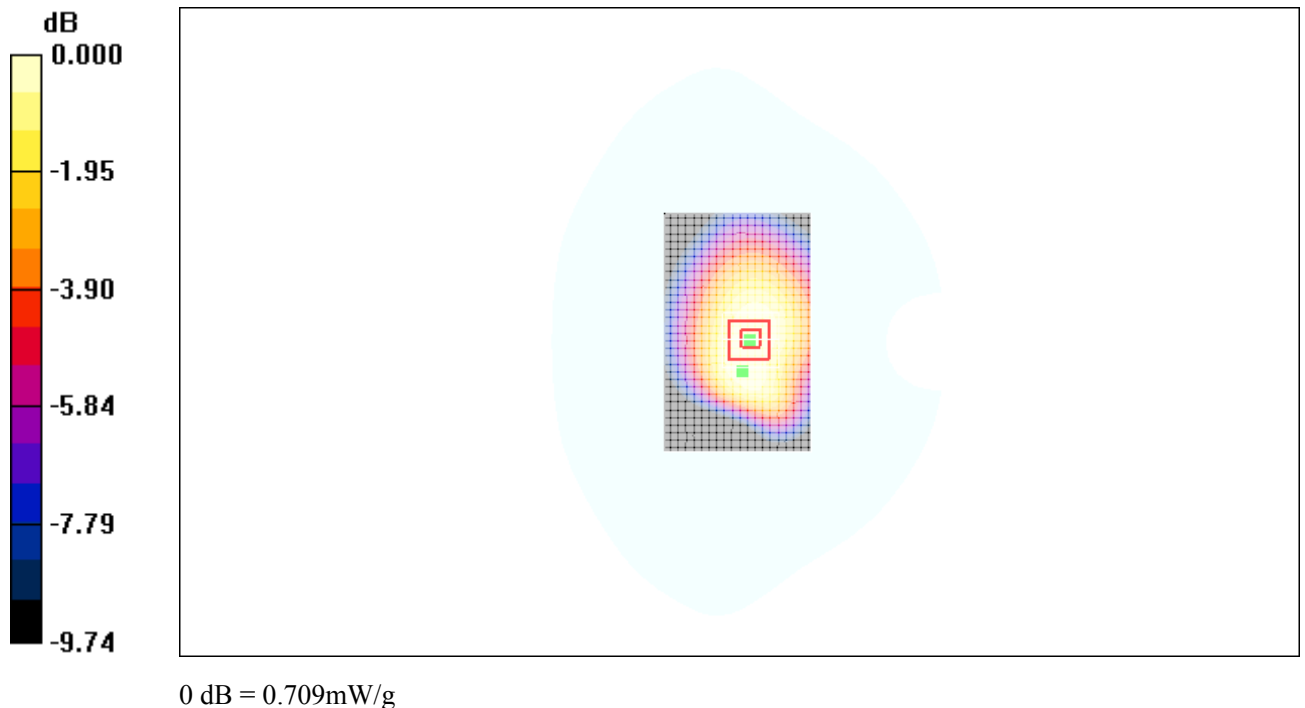


Fig. 127 850 MHz CH251

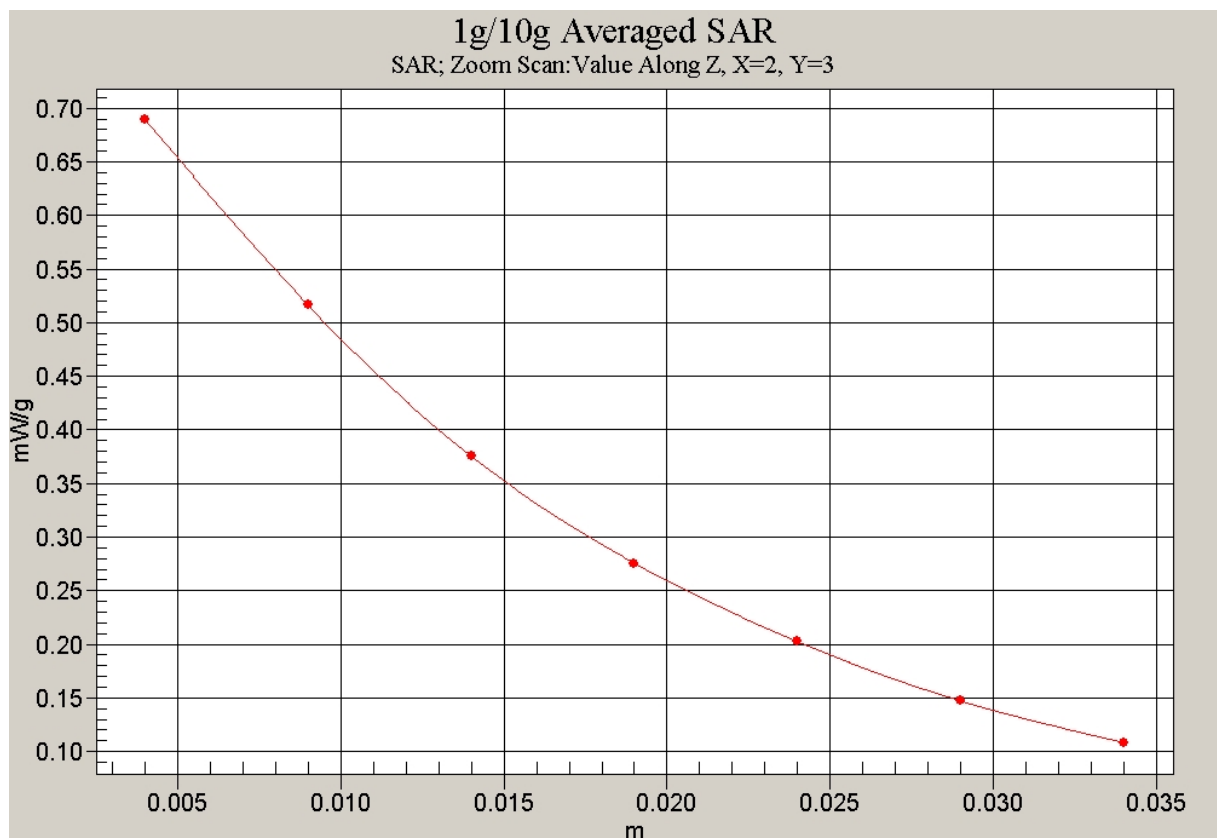


Fig. 128 Z-Scan at power reference point (850 MHz CH251)

1900 Left Cheek High

Date/Time: 2008-12-11 21:10:37

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

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) = 0.554 mW/g

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

Reference Value = 16.1 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.859 W/kg

SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 0.531 mW/g

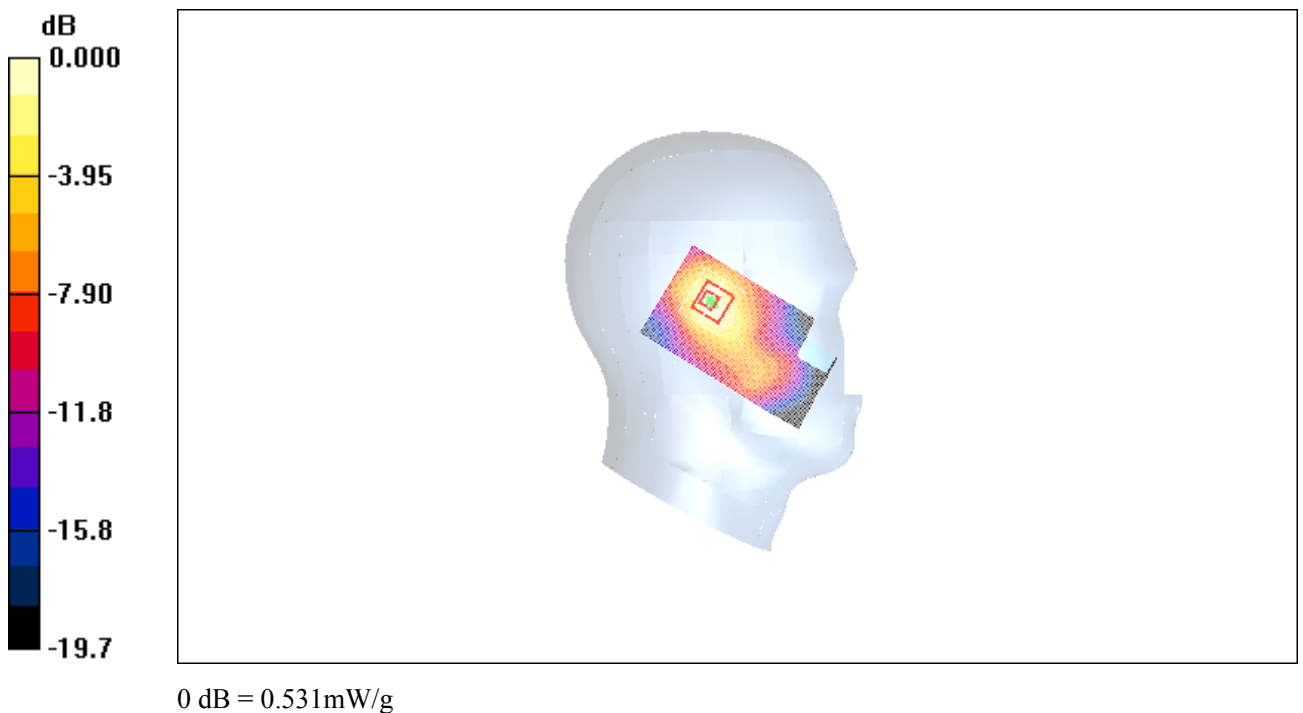


Fig. 129 1900 MHz CH810

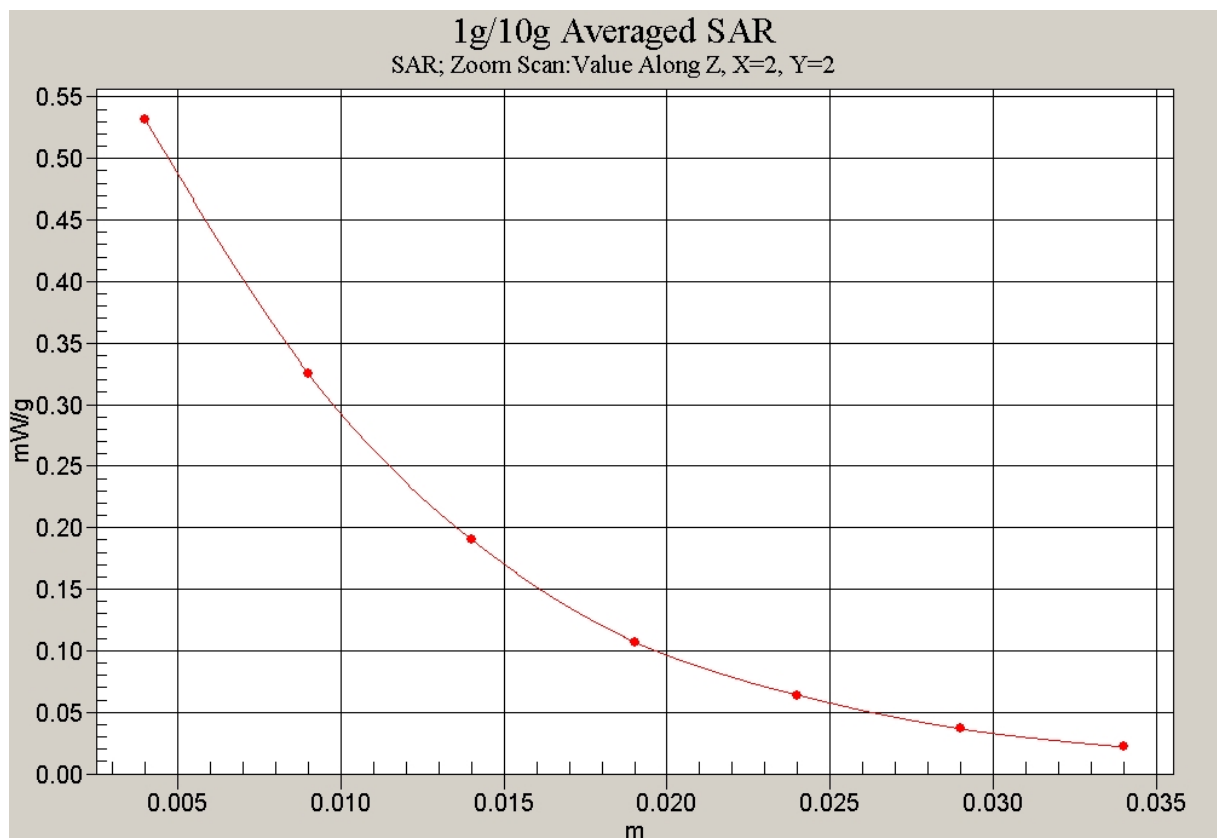


Fig. 130 Z-Scan at power reference point (1900 MHz CH810)

1900 Left Cheek Middle

Date/Time: 2008-12-11 21:23:47

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³

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: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.750 mW/g

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

Reference Value = 17.9 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.358 mW/g

Maximum value of SAR (measured) = 0.679 mW/g

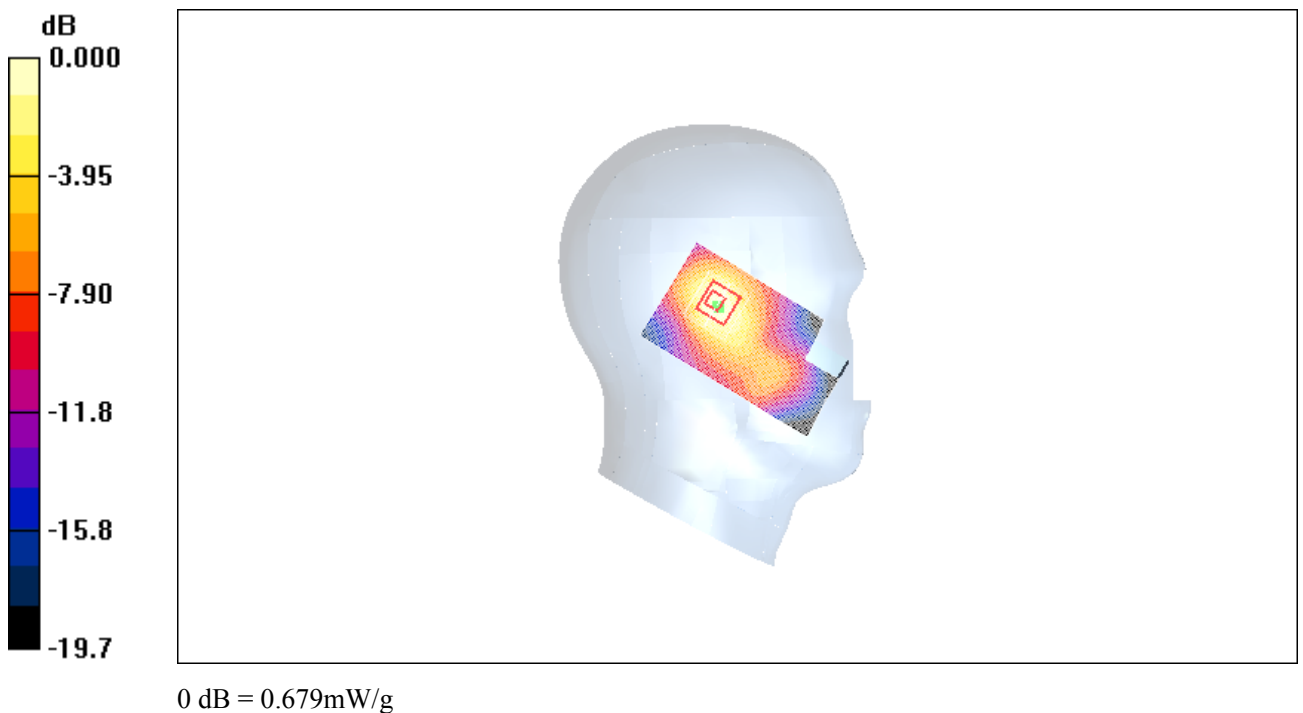


Fig. 131 1900 MHz CH661

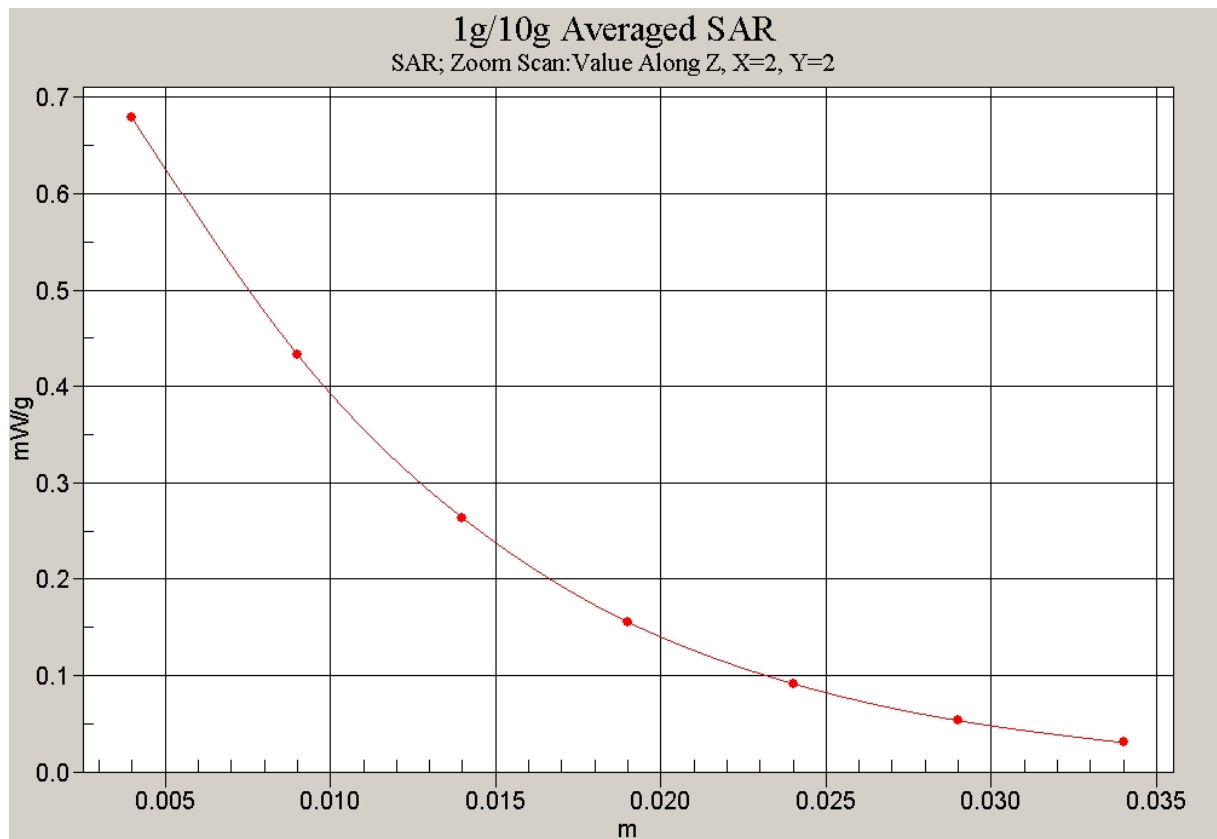


Fig. 132 Z-Scan at power reference point (1900 MHz CH661)

1900 Left Cheek Low

Date/Time: 2008-12-11 21:37:06

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

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) = 0.660 mW/g

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

Reference Value = 16.7 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 0.979 W/kg

SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.315 mW/g

Maximum value of SAR (measured) = 0.608 mW/g

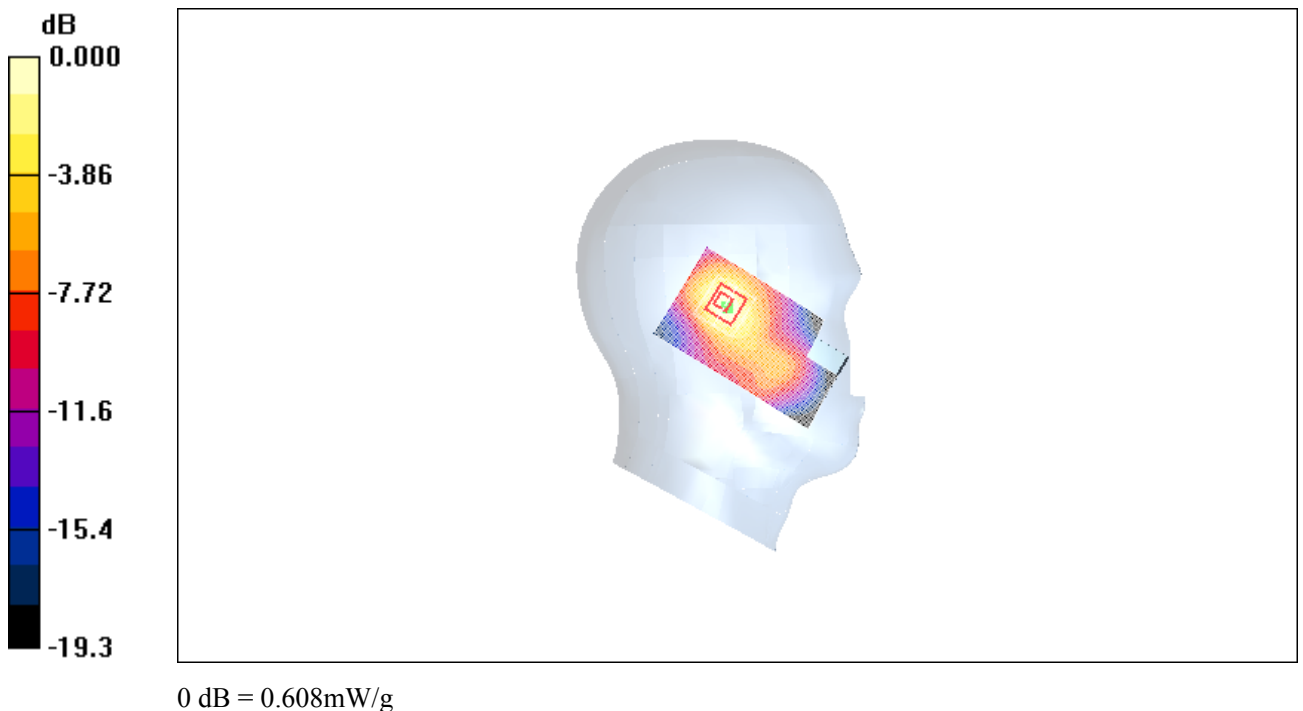


Fig. 133 1900 MHz CH512

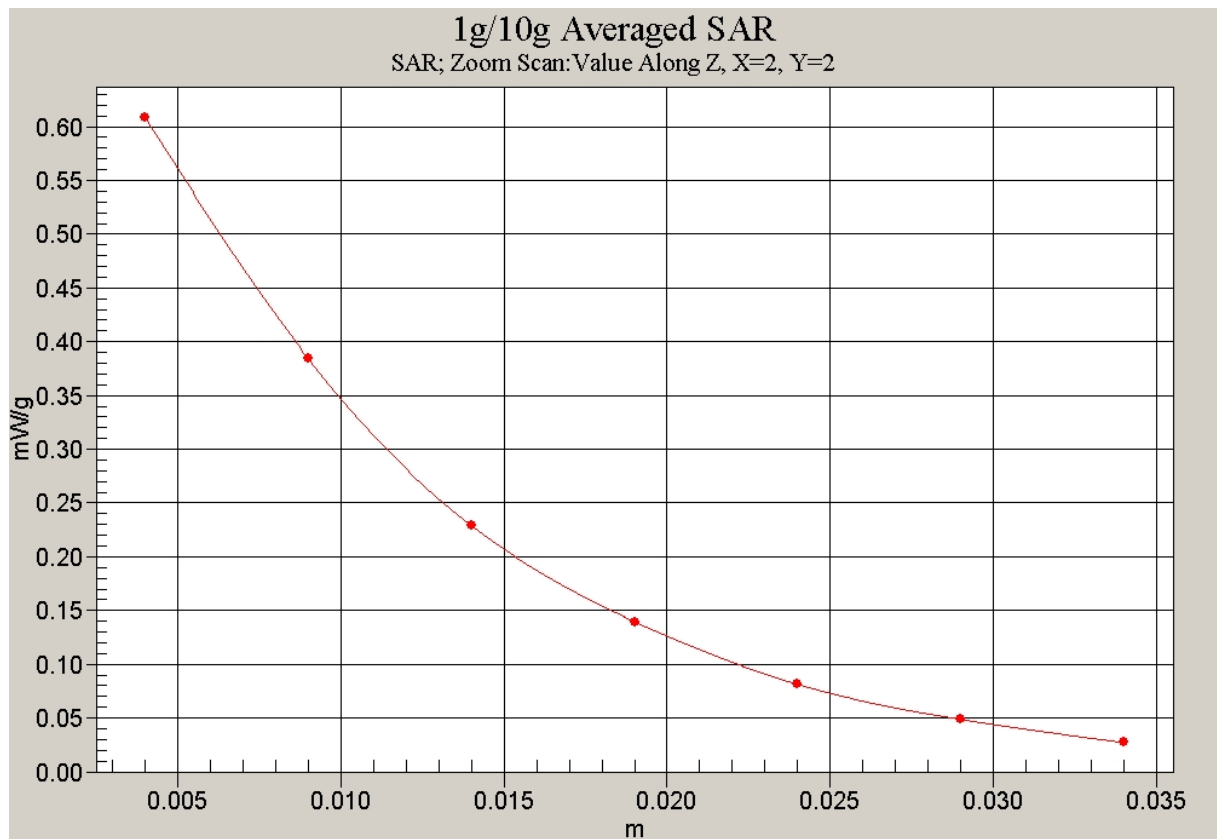


Fig. 134 Z-Scan at power reference point (1900 MHz CH512)

1900 Left Tilt High

Date/Time: 2008-12-11 22:27:18

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

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) = 0.630 mW/g

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

Reference Value = 19.0 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.315 mW/g

Maximum value of SAR (measured) = 0.631 mW/g

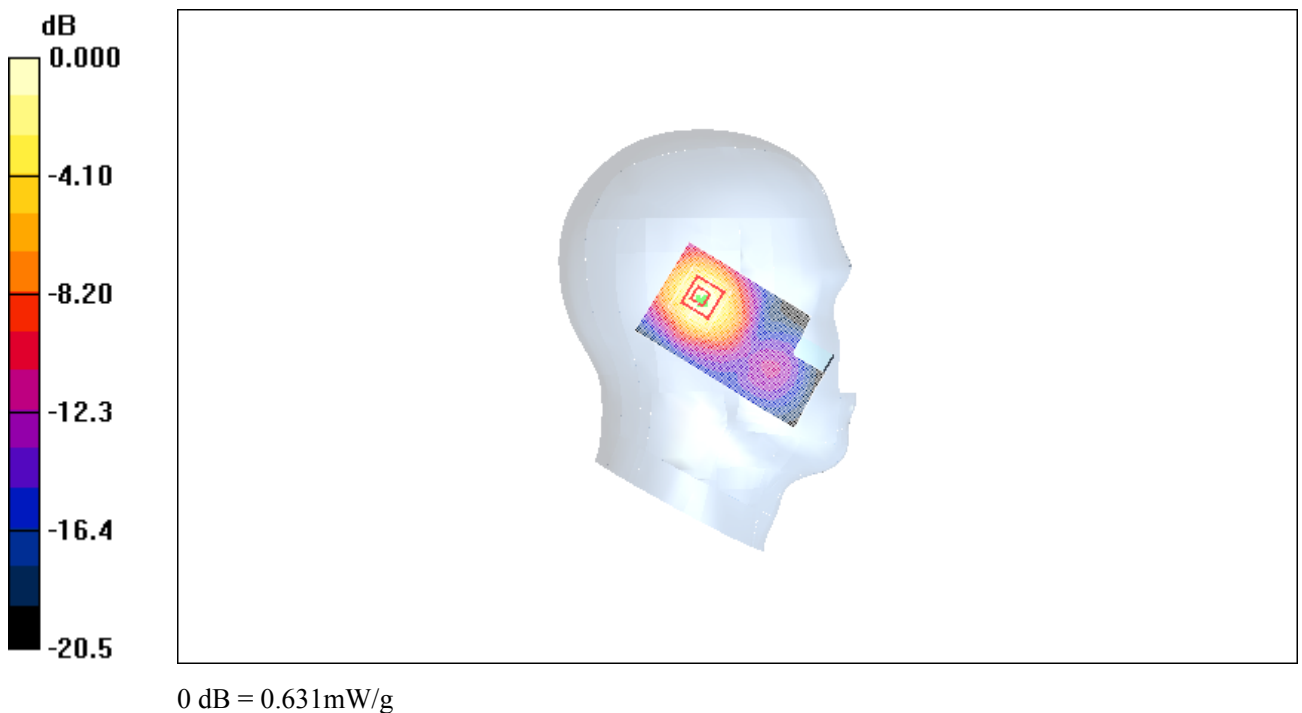


Fig.135 1900 MHz CH810

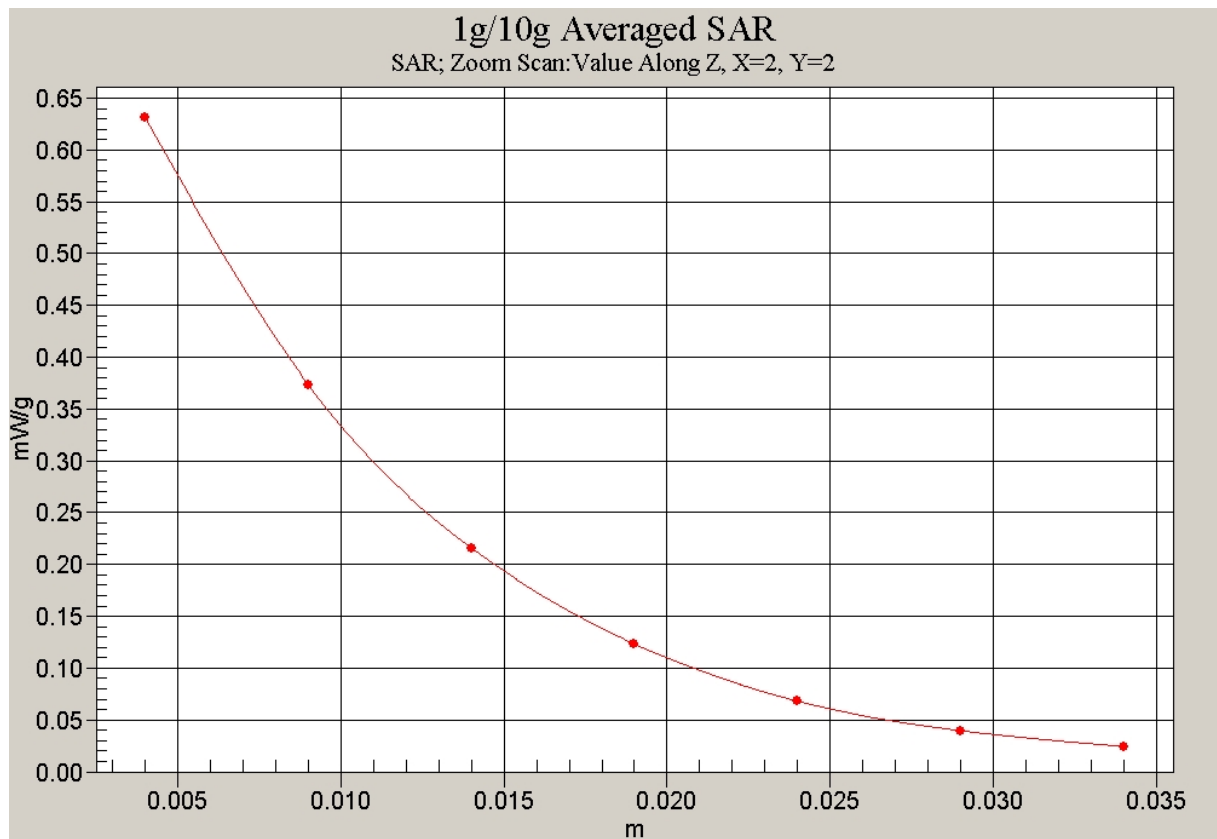


Fig. 136 Z-Scan at power reference point (1900 MHz CH810)

1900 Left Tilt Middle

Date/Time: 2008-12-11 22:03:49

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³

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) = 0.854 mW/g

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

Reference Value = 21.8 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.424 mW/g

Maximum value of SAR (measured) = 0.858 mW/g

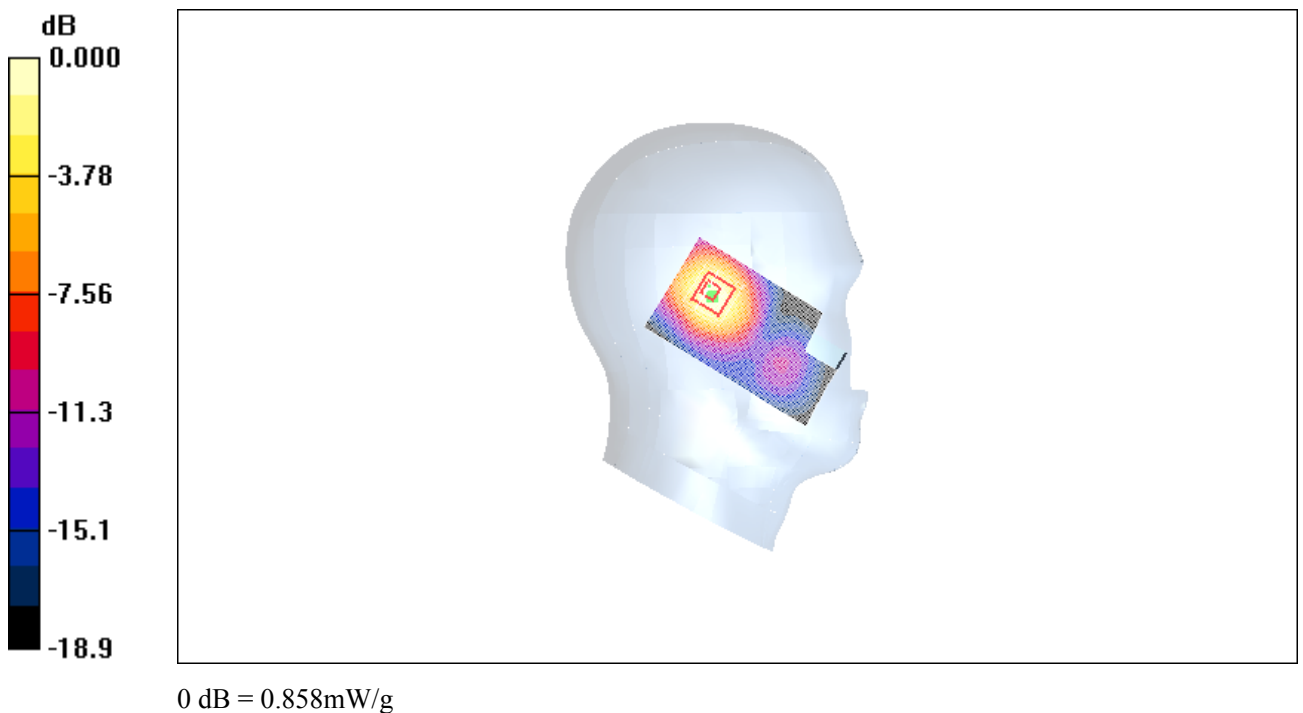


Fig. 137 1900 MHz CH661

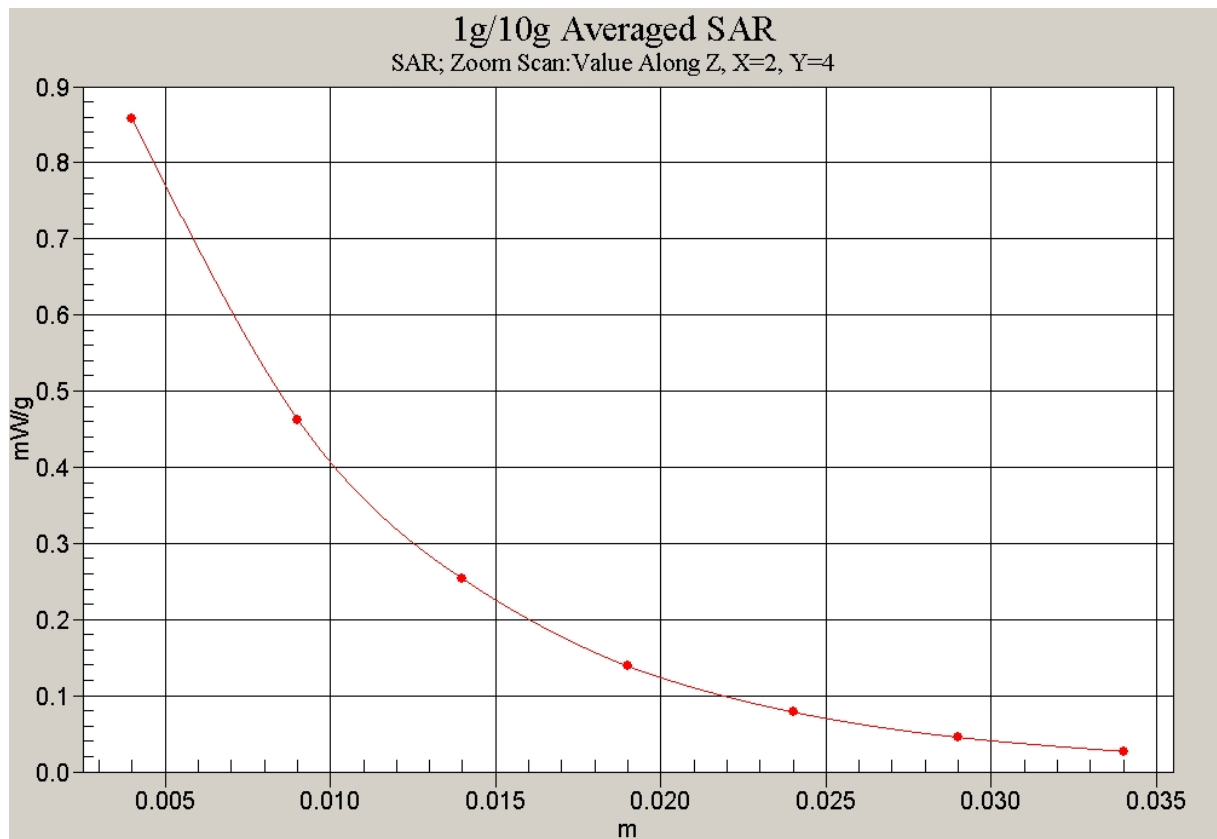


Fig. 138 Z-Scan at power reference point (1900 MHz CH661)

1900 Left Tilt Low

Date/Time: 2008-12-11 21:50:35

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

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) = 0.779 mW/g

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

Reference Value = 21.0 V/m; Power Drift = 0.200 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.717 mW/g; SAR(10 g) = 0.385 mW/g

Maximum value of SAR (measured) = 0.771 mW/g

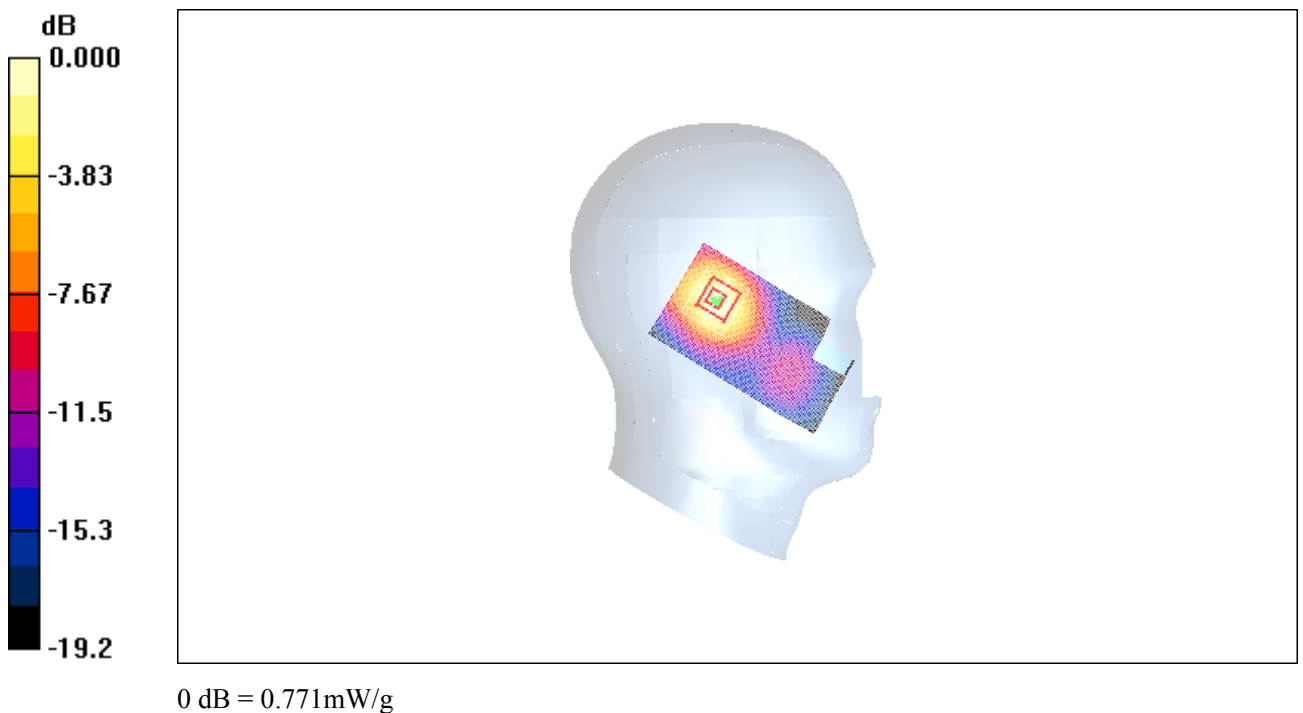


Fig. 139 1900 MHz CH512

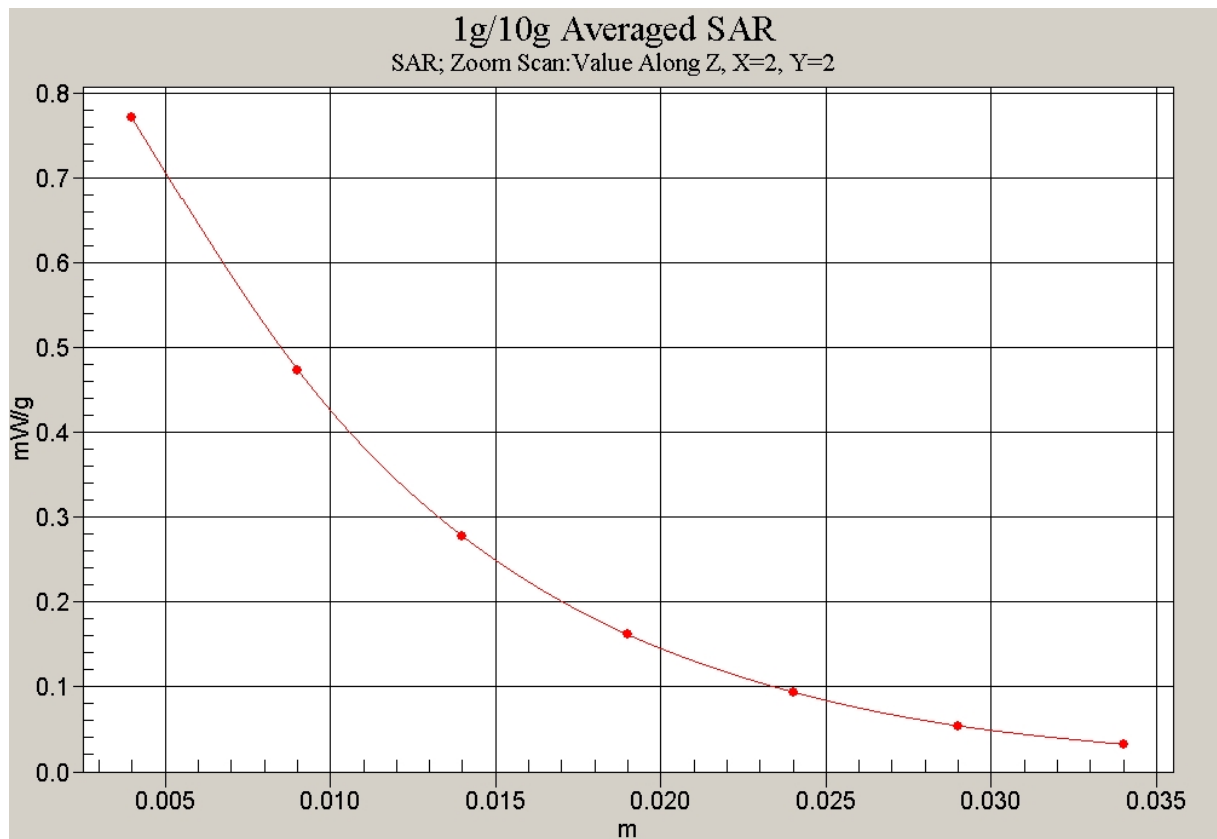


Fig. 140 Z-Scan at power reference point (1900 MHz CH512)

1900 Right Cheek High

Date/Time: 2008-12-11 19:51:42

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

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: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.426 mW/g

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

Reference Value = 17.3 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.654 W/kg

SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.224 mW/g

Maximum value of SAR (measured) = 0.420 mW/g

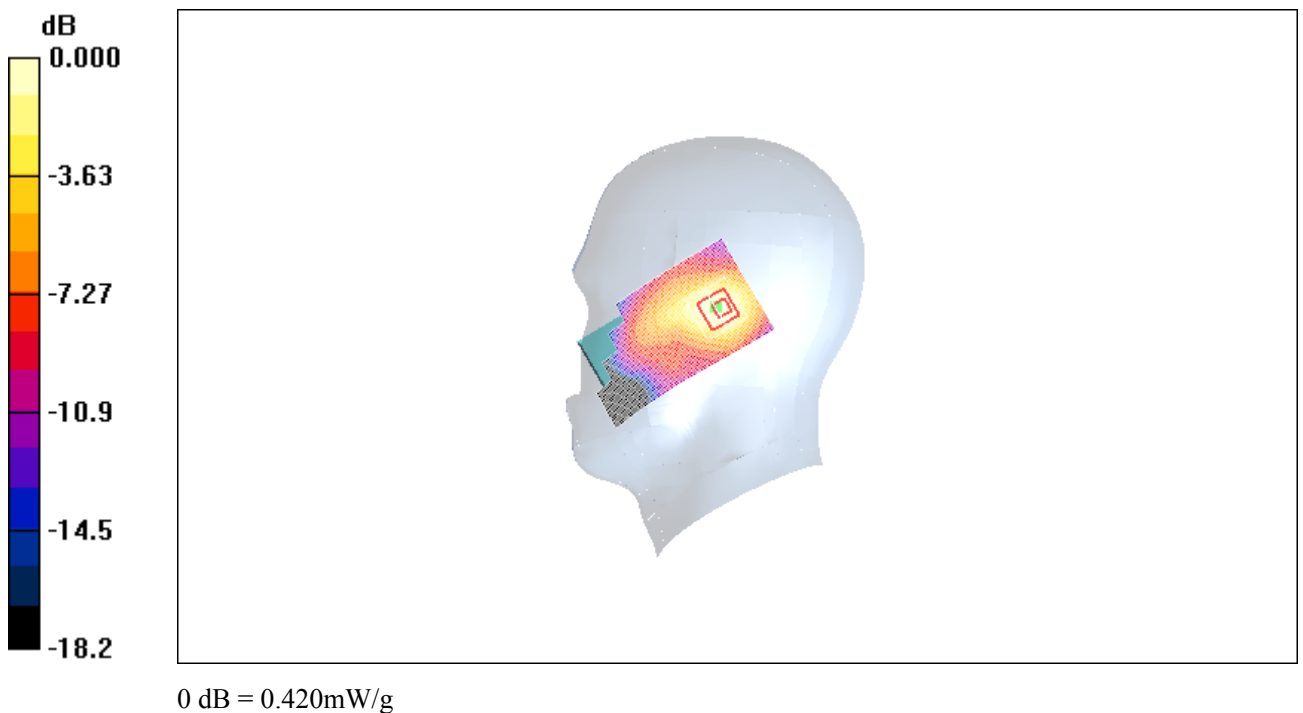


Fig. 141 1900 MHz CH810

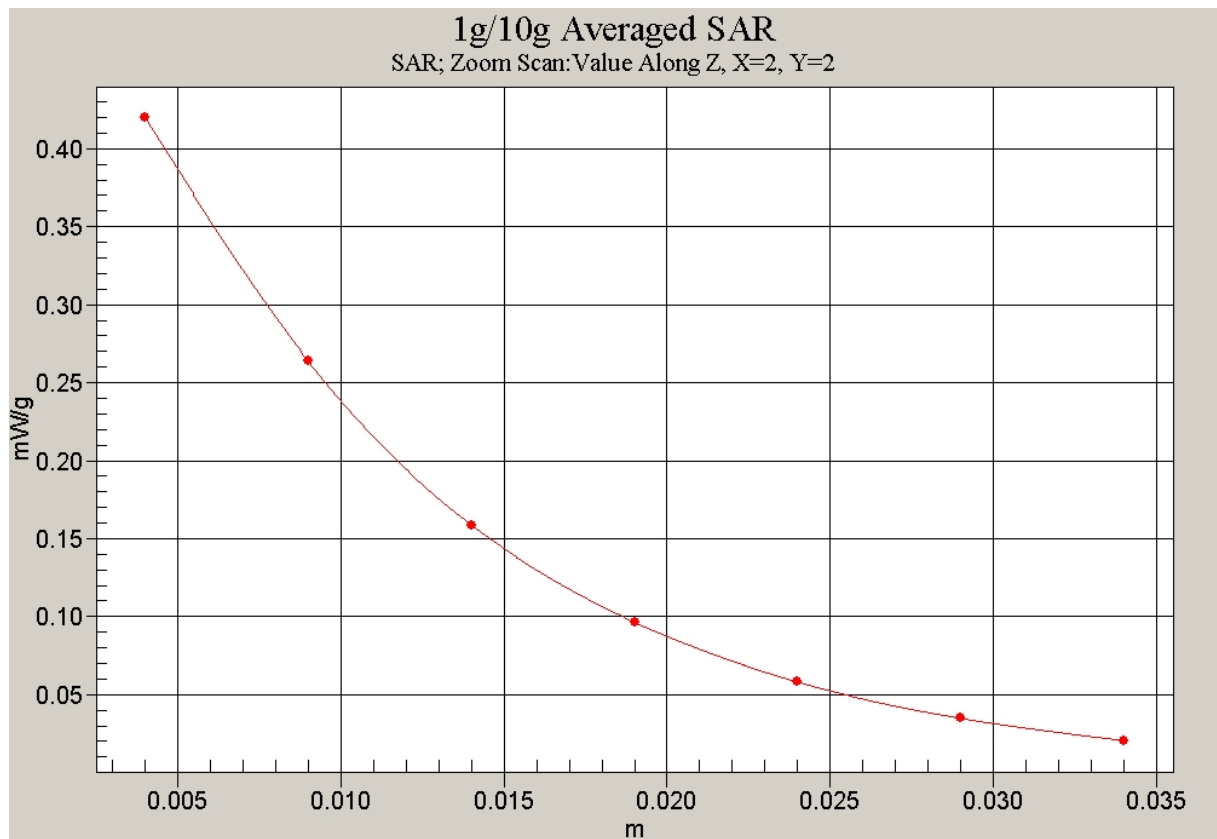


Fig. 142 Z-Scan at power reference point (1900 MHz CH810)

1900 Right Cheek Middle

Date/Time: 2008-12-11 20:04:23

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³

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: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.577 mW/g

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

Reference Value = 20.2 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.860 W/kg

SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.305 mW/g

Maximum value of SAR (measured) = 0.571 mW/g

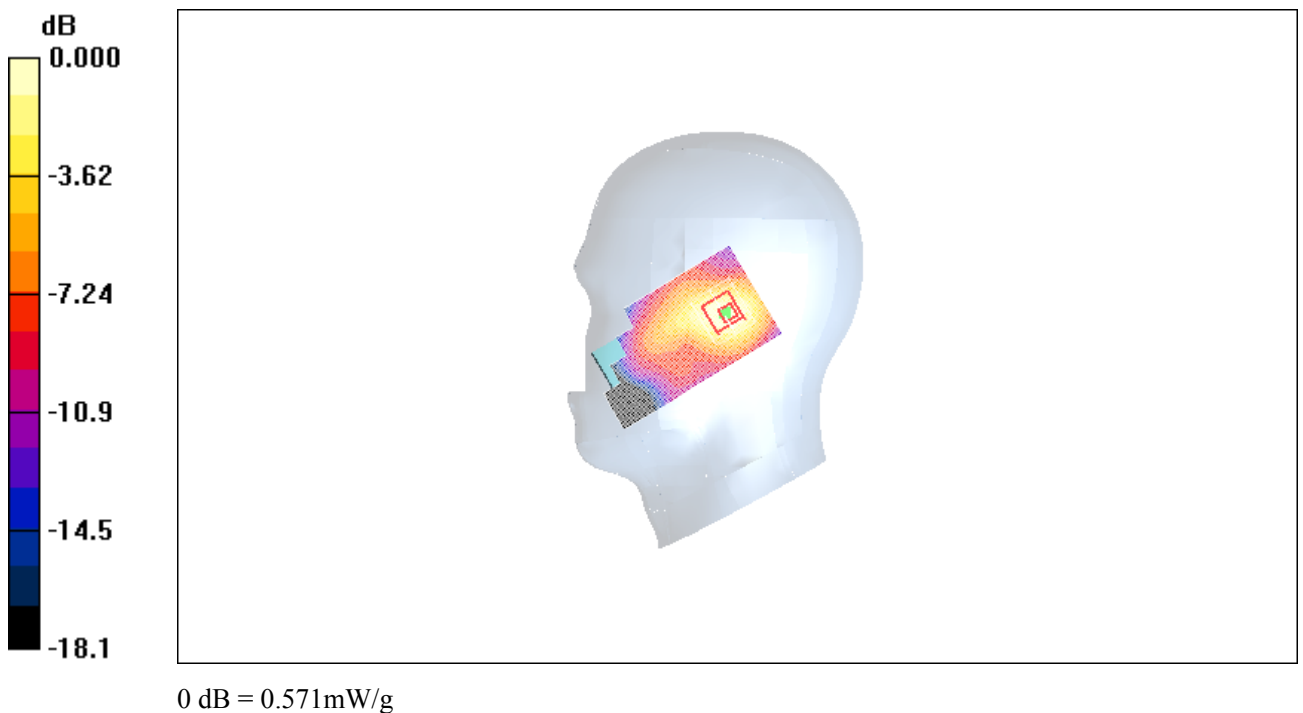


Fig. 143 1900 MHz CH661

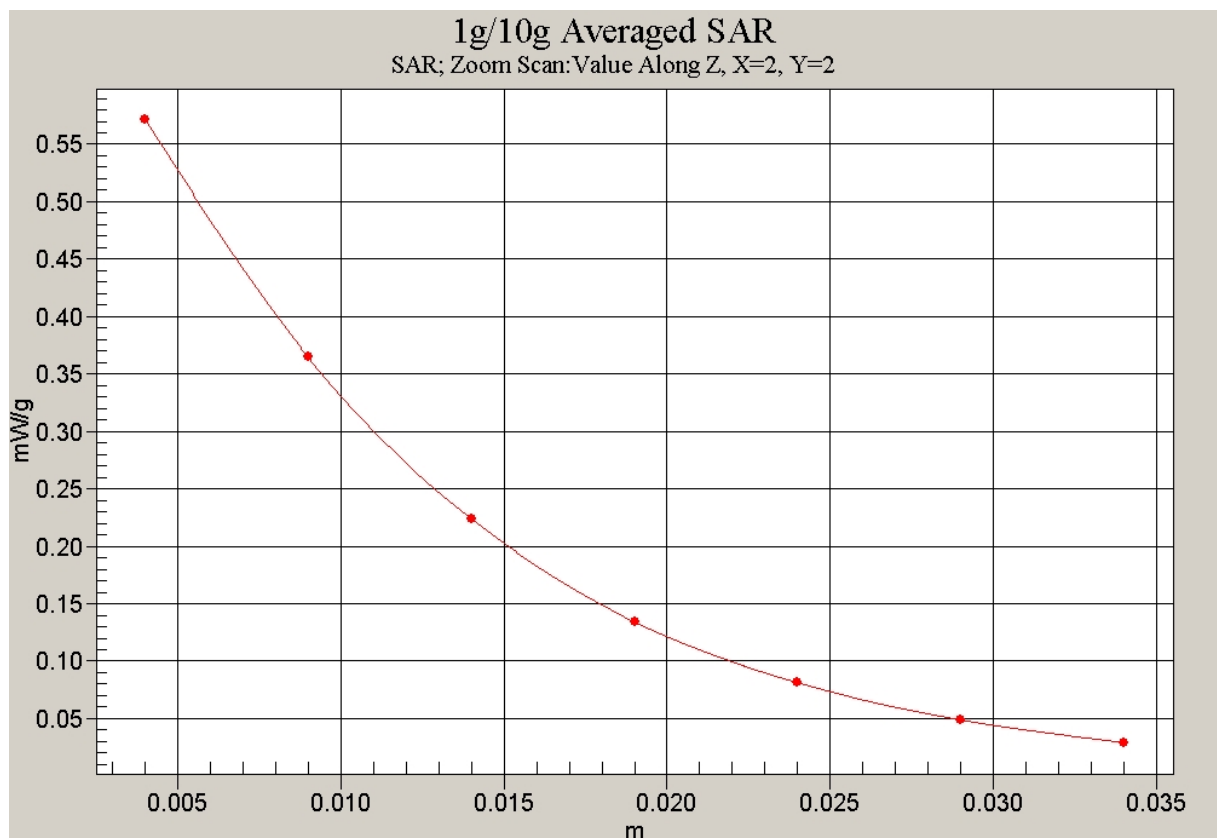


Fig.144 Z-Scan at power reference point (1900 MHz CH661)

1900 Right Cheek Low

Date/Time: 2008-12-11 20:17:02

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.36$ mho/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

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) = 0.518 mW/g

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

Reference Value = 19.3 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.777 W/kg

SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.273 mW/g

Maximum value of SAR (measured) = 0.523 mW/g

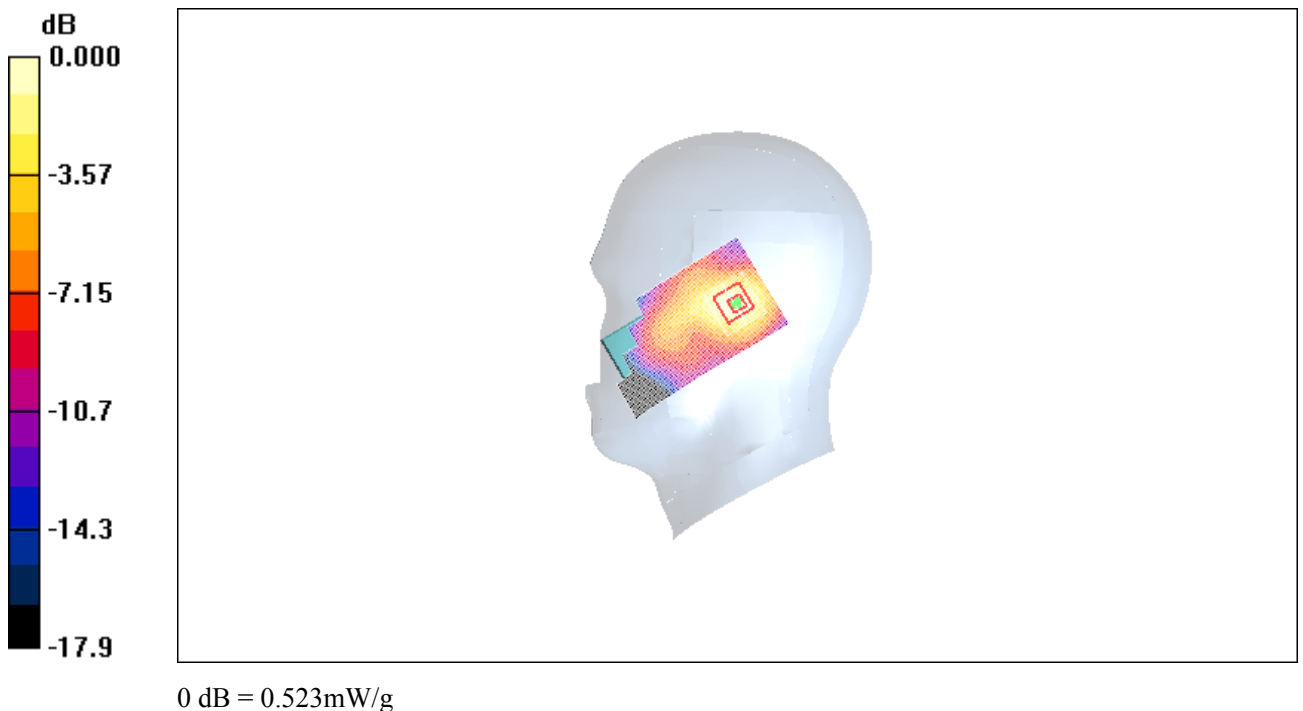


Fig. 145 1900 MHz CH512

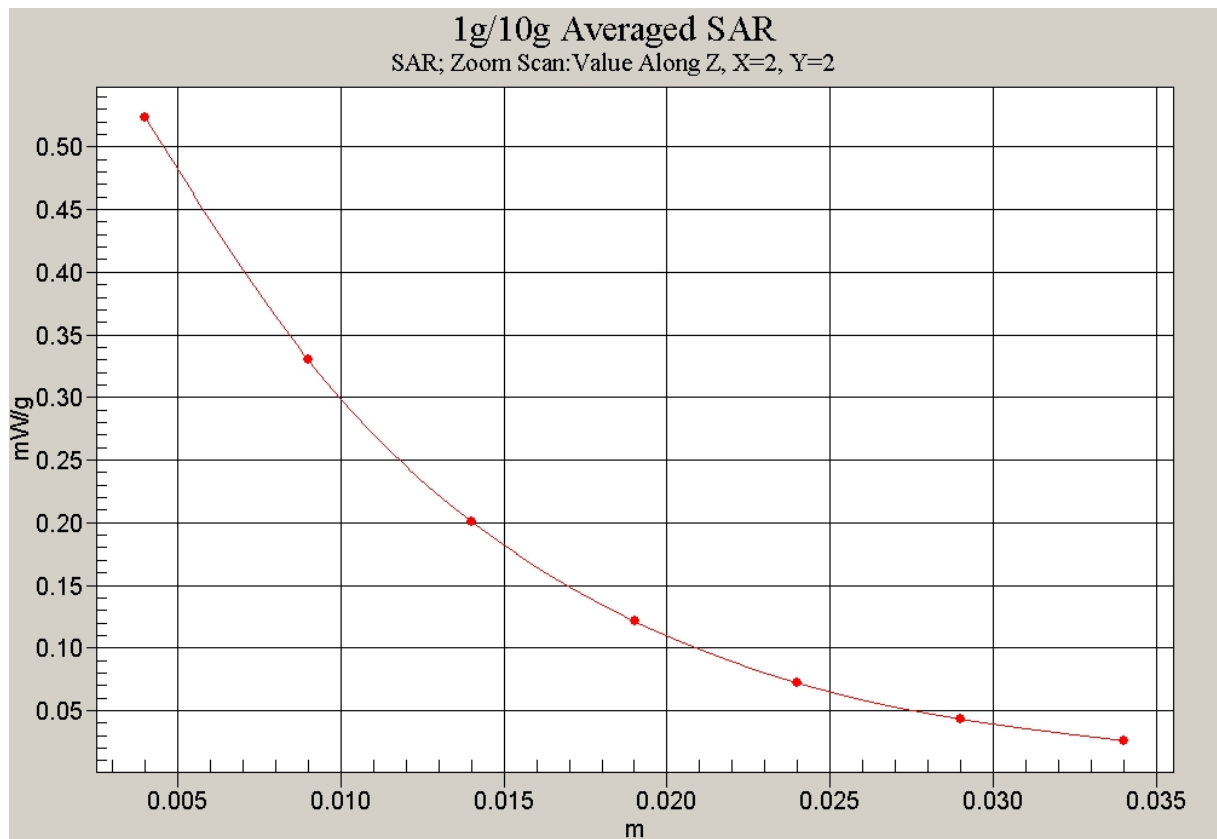


Fig. 146 Z-Scan at power reference point (1900 MHz CH512)