

ANNEX C GRAPH RESULTS

1900 Left Cheek High

Date/Time: 2006-11-3 13:31:38

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

Communication System: GSM 1900MHz Frequency: 1909.8 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(5.4 5.4, 5.4)

Cheek High/Area Scan (51x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 0.219 mW/g

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

Reference Value = 6.78 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.093 mW/g

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

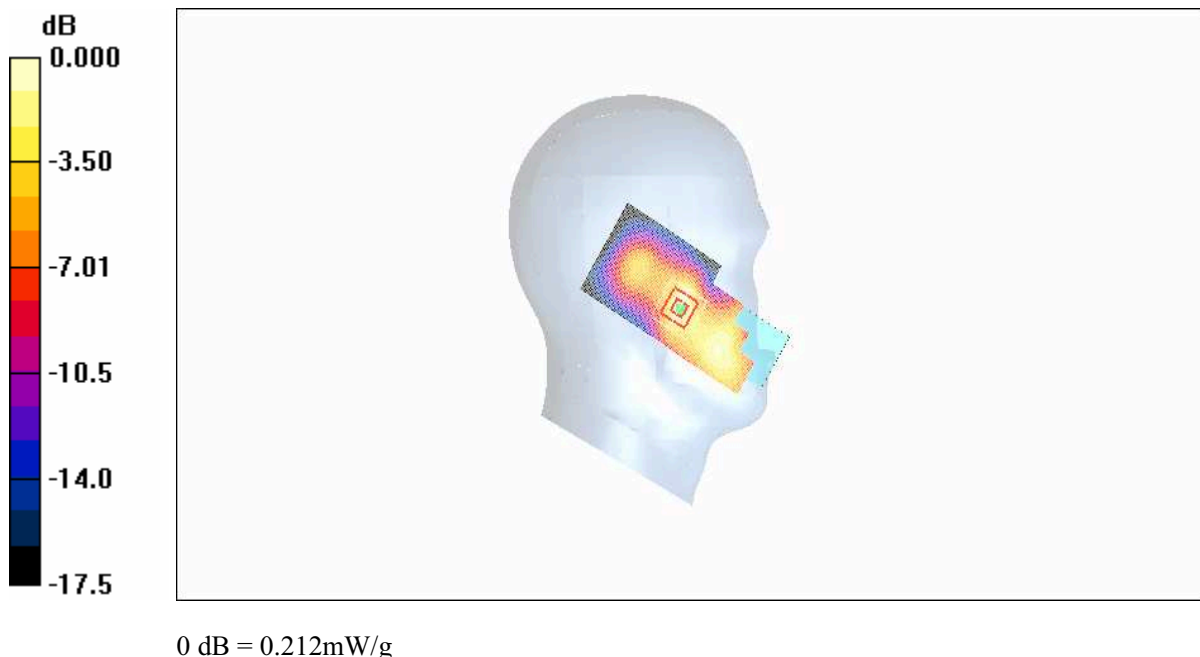


Fig. 1 Left Hand Touch Cheek PCS 1900MHz CH810

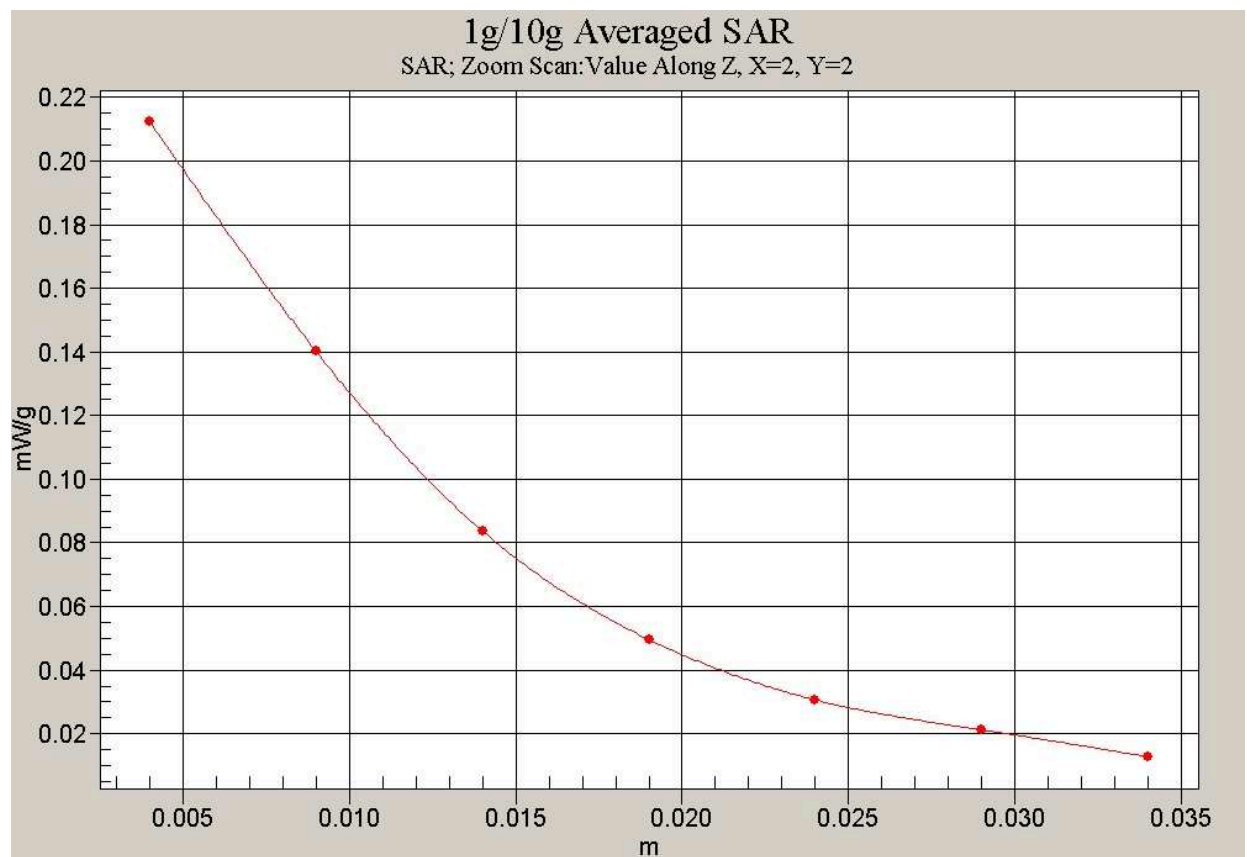


Fig. 2 Z-Scan at power reference point (PCS 1900MHz CH810)

1900 Left Cheek Middle

Date/Time: 2006-11-3 13:49:06

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Cheek Middle/Area Scan (51x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

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

Reference Value = 7.39 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.335 W/kg

SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.113 mW/g

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

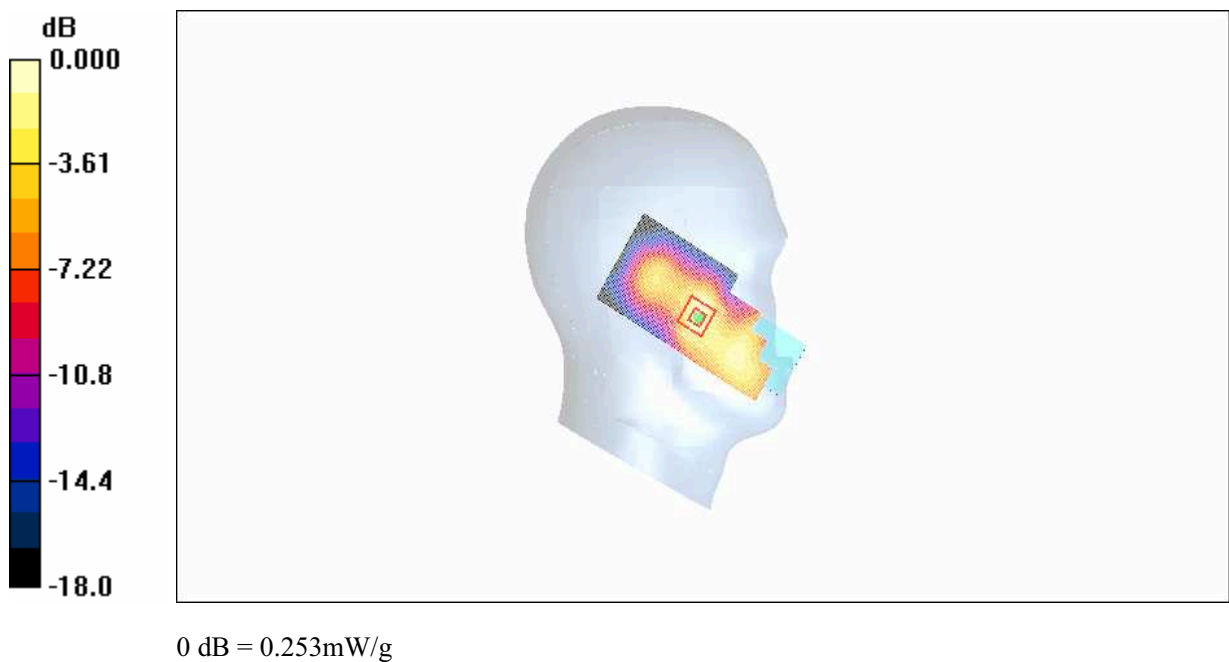


Fig. 3 Left Hand Touch Cheek PCS 1900MHz CH661

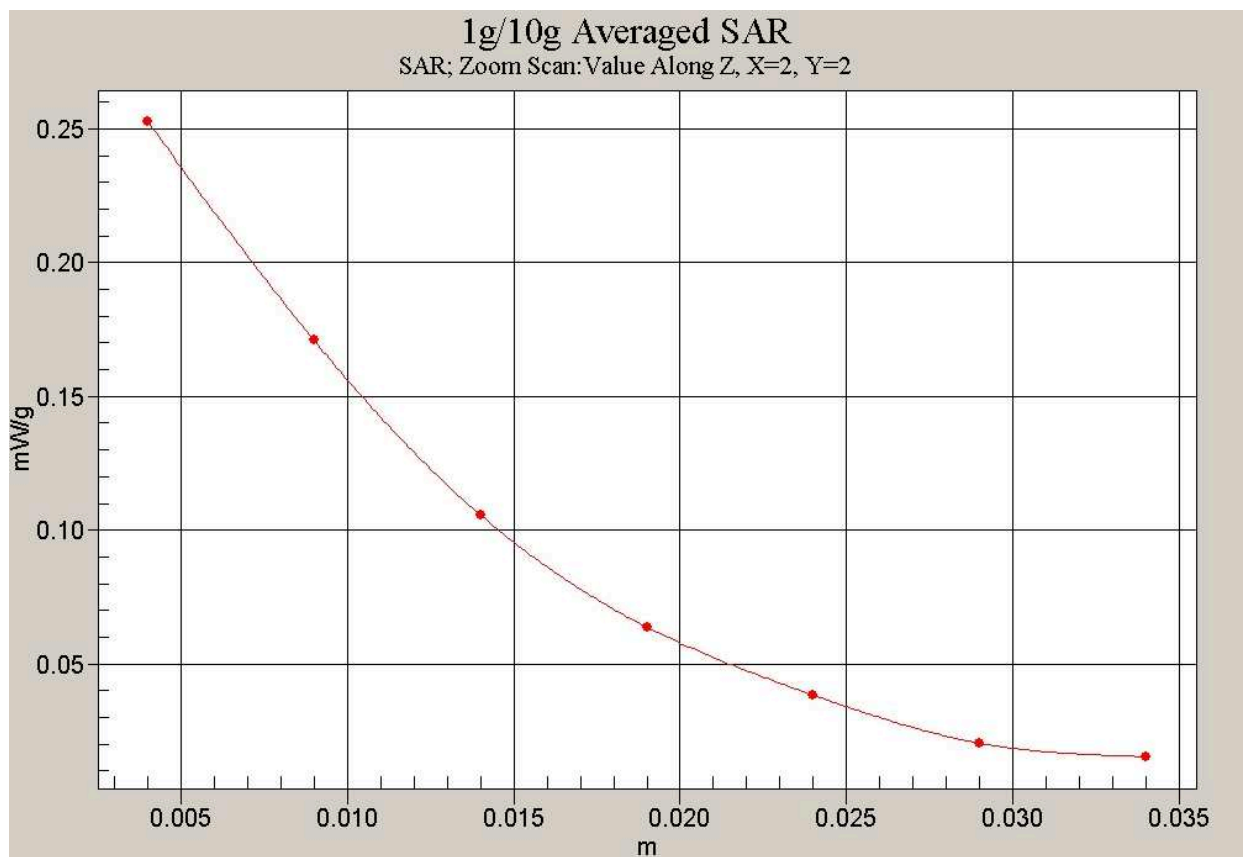


Fig. 4 Z-Scan at power reference point (PCS 1900MHz CH661)

1900 Left Cheek Low

Date/Time: 2006-11-3 14:13:18

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

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

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Cheek Low/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 7.77 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.347 W/kg

SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.254 mW/g

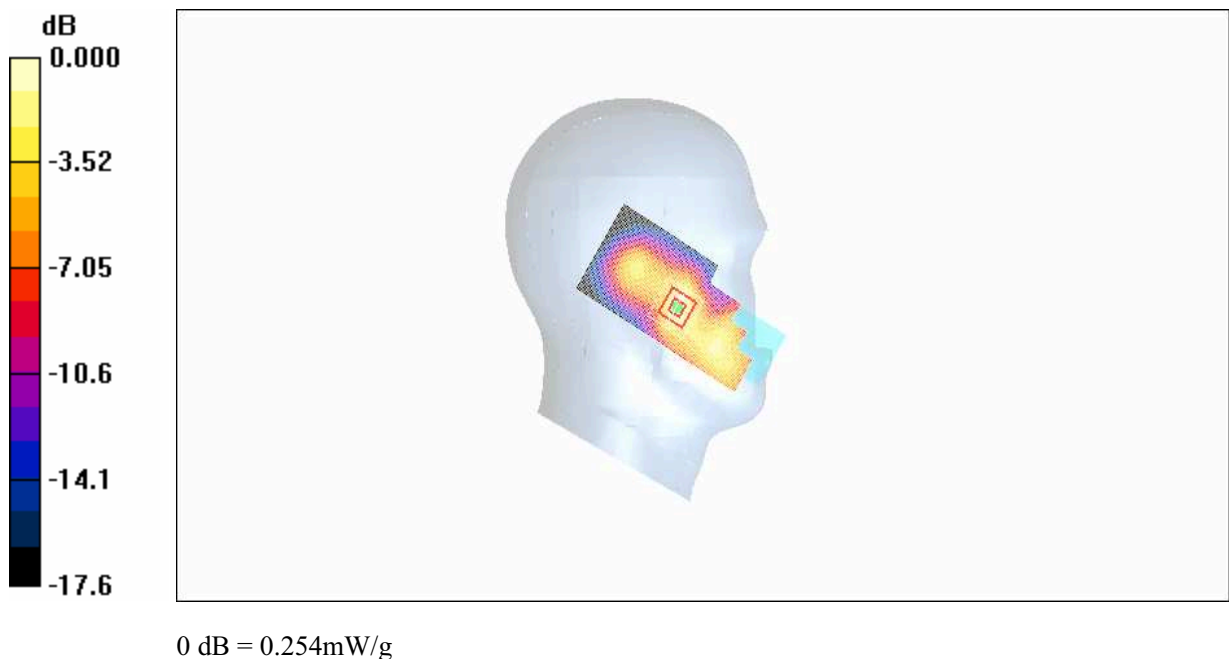


Fig. 5 Left Hand Touch Cheek PCS 1900MHz CH512

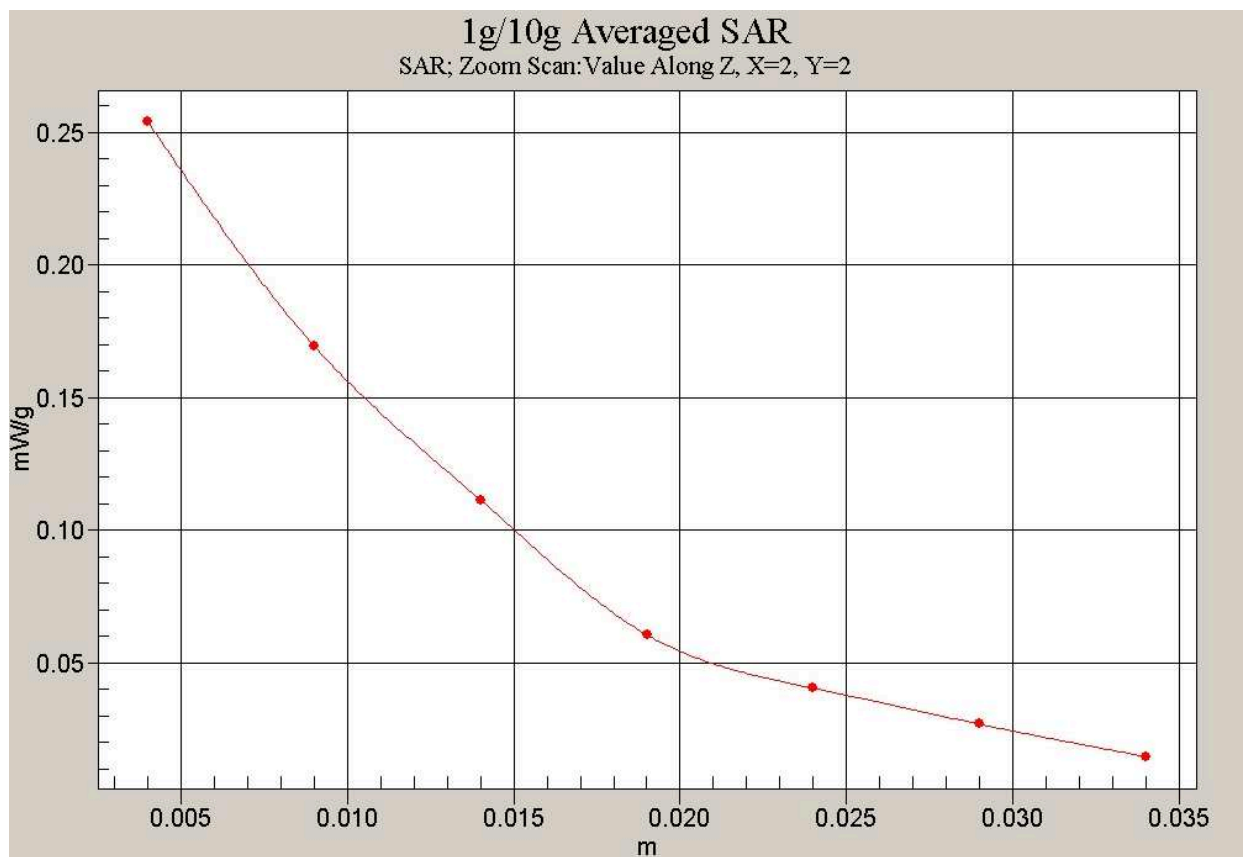


Fig. 6 Z-Scan at power reference point (PCS 1900MHz CH512)

1900 Left Tilt High

Date/Time: 2006-11-3 15:11:49

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

Communication System: GSM 1900MHz Frequency: 1909.8 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Tilt High/Area Scan (51x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

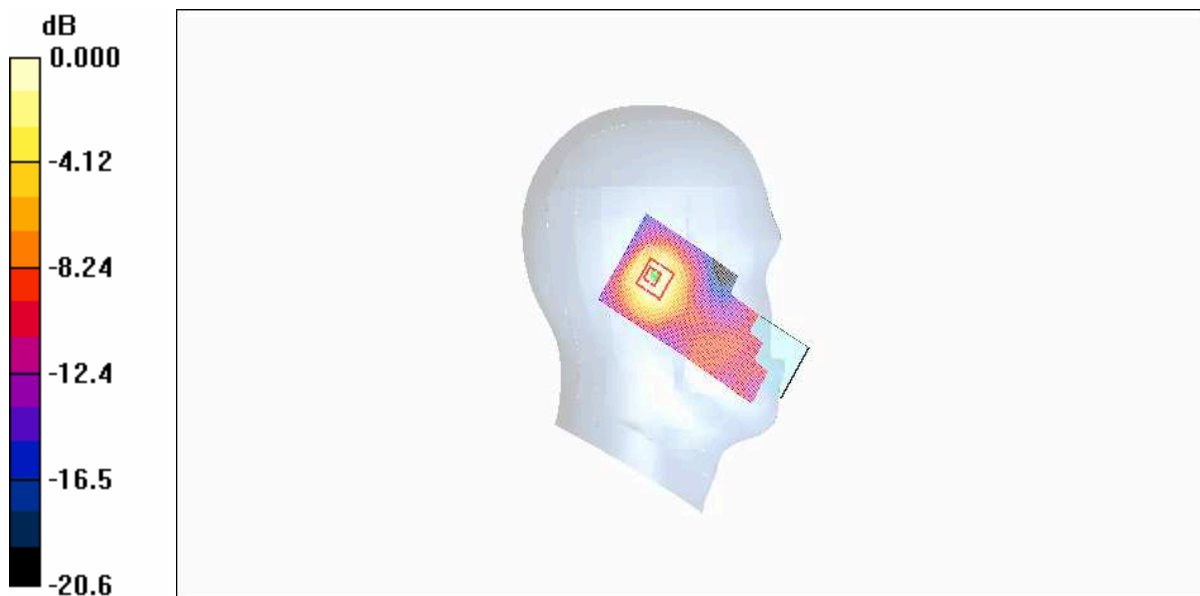
Tilt High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.37 V/m; Power Drift = -0.106 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.070 mW/g

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



0 dB = 0.141mW/g

Fig. 7 Left Hand Tilt 15° PCS 1900MHz CH810

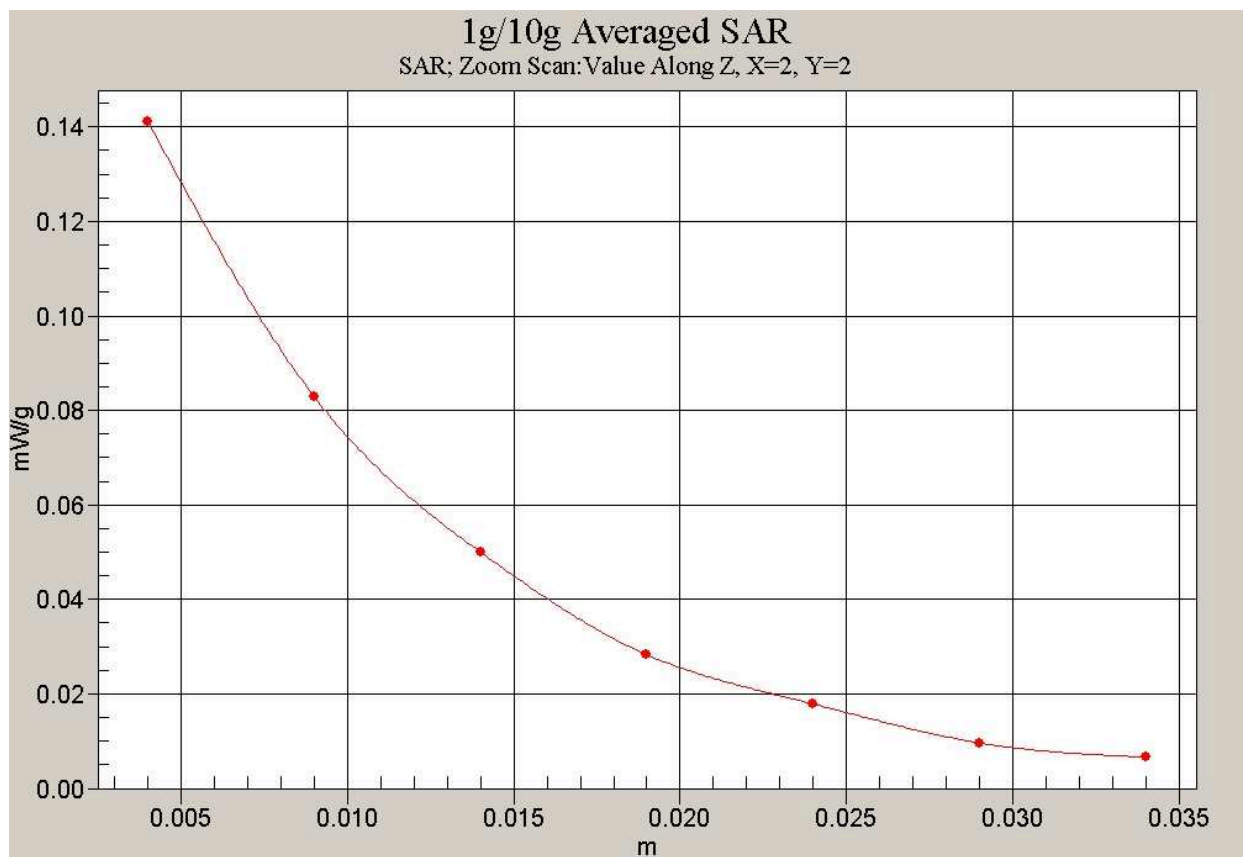


Fig. 8 Z-Scan at power reference point (PCS 1900MHz CH810)

1900 Left Tilt Middle

Date/Time: 2006-11-3 14:45:54

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Tilt Middle/Area Scan (51x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.173 mW/g

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

Reference Value = 10.3 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.174 mW/g



Fig. 9 Left Hand Tilt 15°PCS 1900MHz CH661

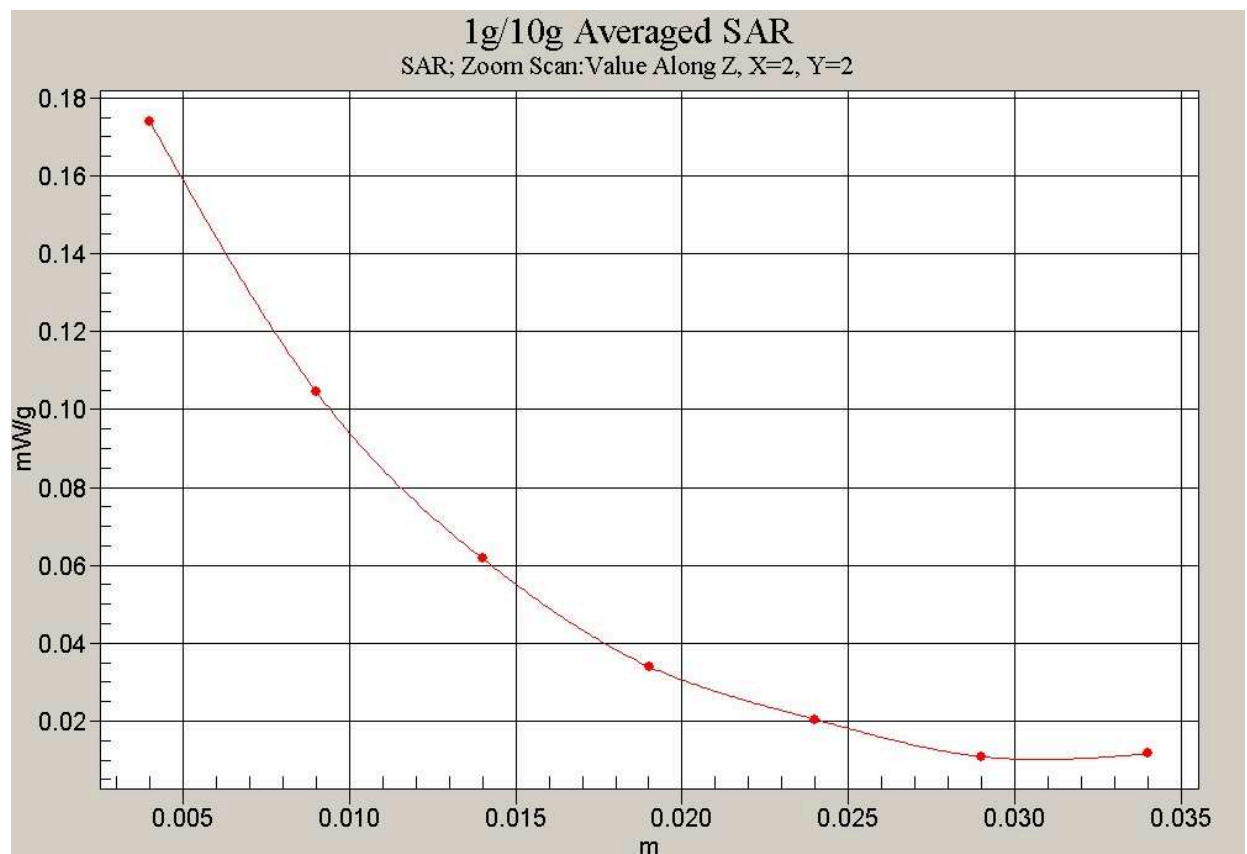


Fig. 10 Z-Scan at power reference point (PCS 1900MHz CH661)

1900 Left Tilt Low

Date/Time: 2006-11-3 15:30:04

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

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

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Tilt Low/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

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

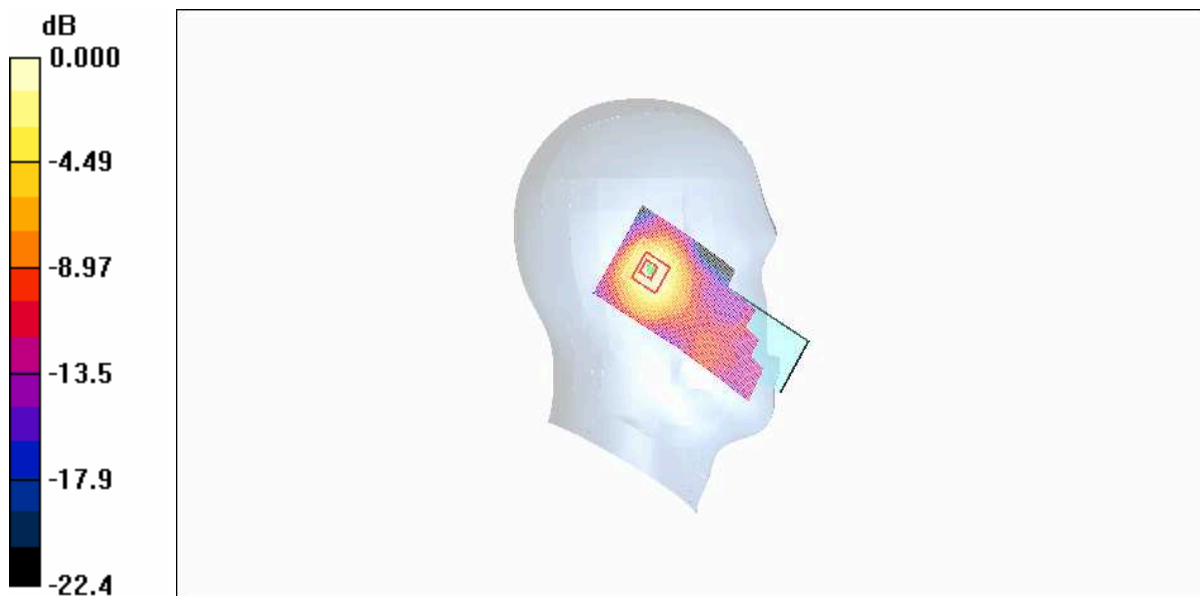
Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.299 W/kg

SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.185 mW/g



0 dB = 0.185mW/g

Fig. 11 Left Hand Tilt 15°PCS 1900MHz CH512

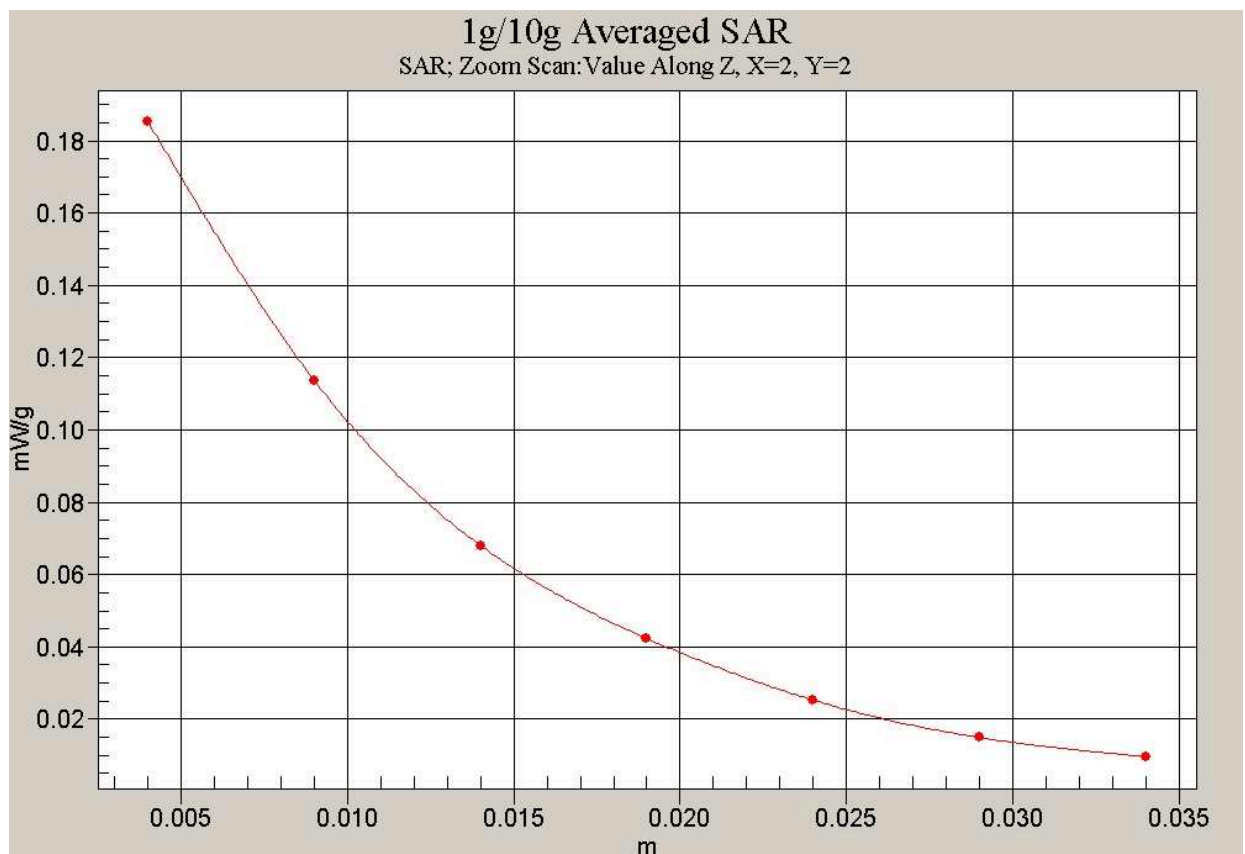


Fig. 12 Z-Scan at power reference point (PCS 1900MHz CH512)

1900 Right Cheek High

Date/Time: 2006-11-3 16:34:56

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

Communication System: GSM 1900MHz Frequency: 1909.8 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Cheek High/Area Scan (51x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

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

Reference Value = 5.60 V/m; Power Drift = -0.145 dB

Peak SAR (extrapolated) = 0.179 W/kg

SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.126 mW/g



0 dB = 0.126mW/g

Fig. 13 Right Hand Touch Cheek PCS 1900MHz CH810

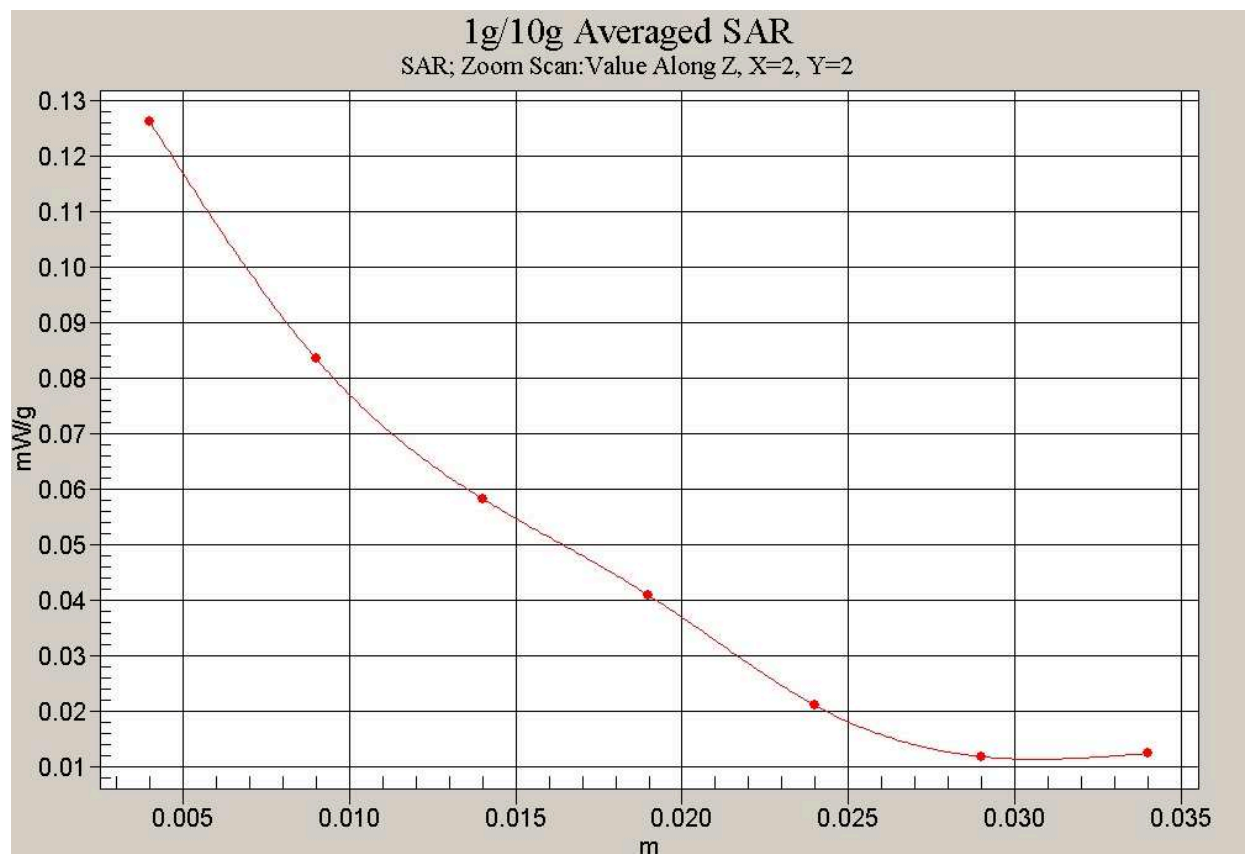


Fig. 14 Z-Scan at power reference point (PCS 1900MHz CH810)

1900 Right Cheek Middle

Date/Time: 2006-11-3 16:50:20

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Cheek Middle/Area Scan (51x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.158 mW/g

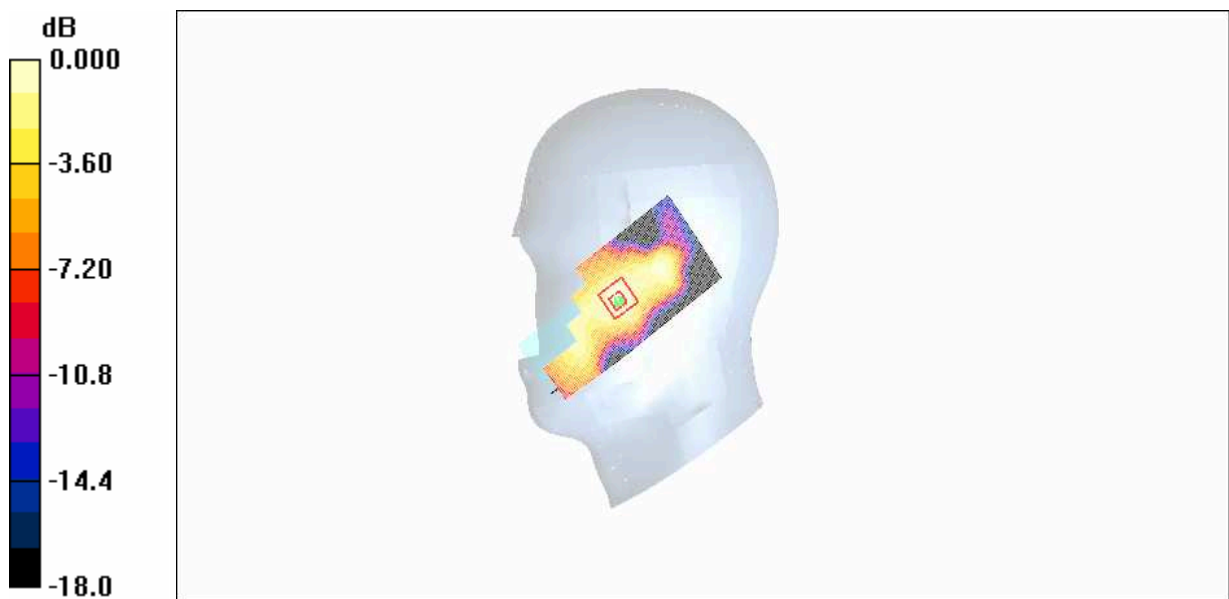
Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.03 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (measured) = 0.149 mW/g



0 dB = 0.149mW/g

Fig.15 Right Hand Touch Cheek PCS 1900MHz CH661

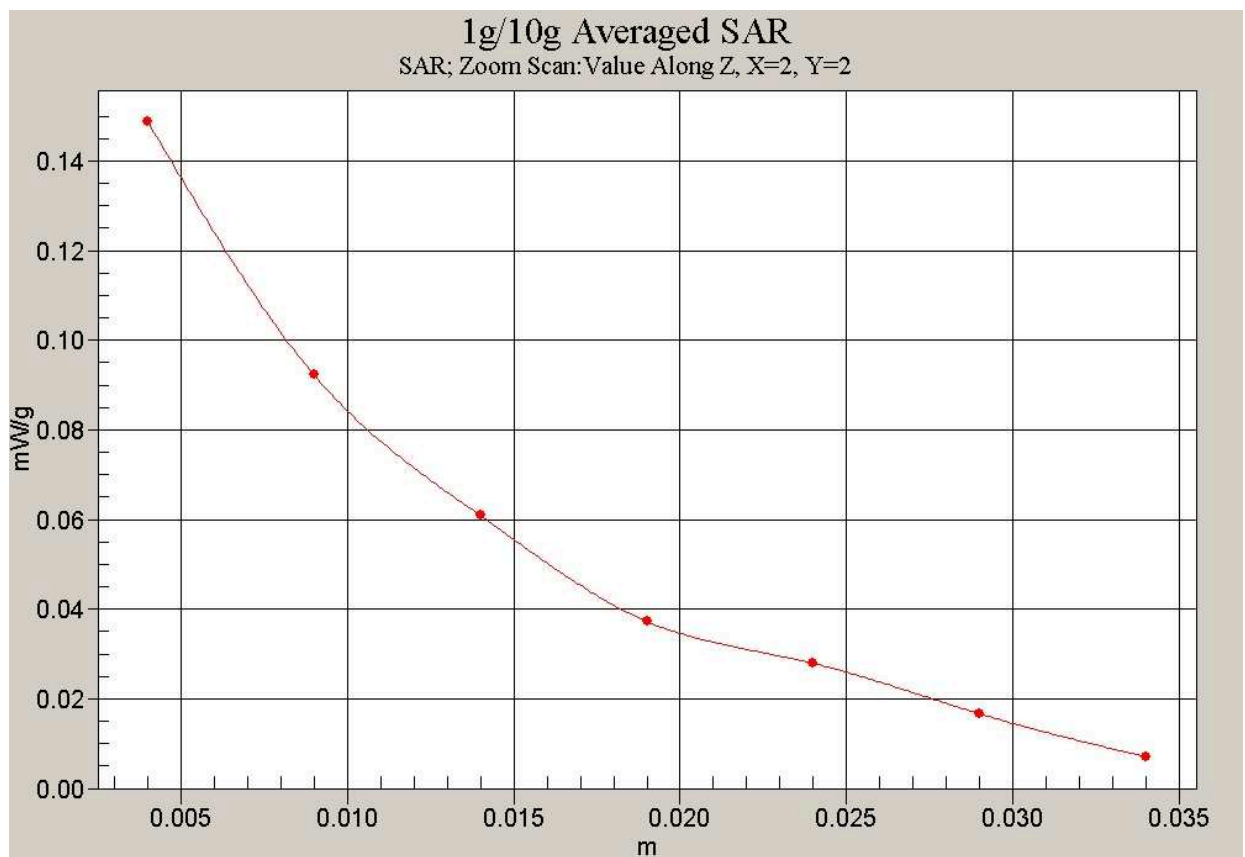


Fig. 16 Z-Scan at power reference point (PCS 1900MHz CH661)

1900 Right Cheek Low

Date/Time: 2006-11-3 17:06:28

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

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

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Cheek Low/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.158 mW/g

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

Reference Value = 6.29 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.084 mW/g

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

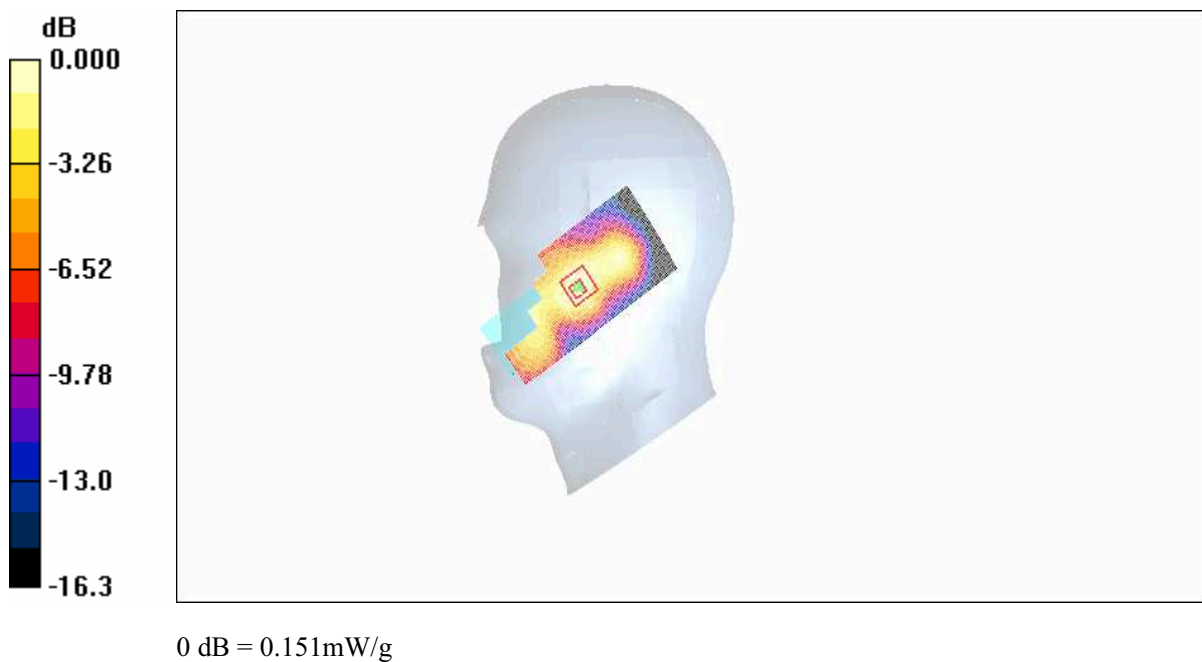


Fig. 17 Right Hand Touch Cheek PCS 1900MHz CH512

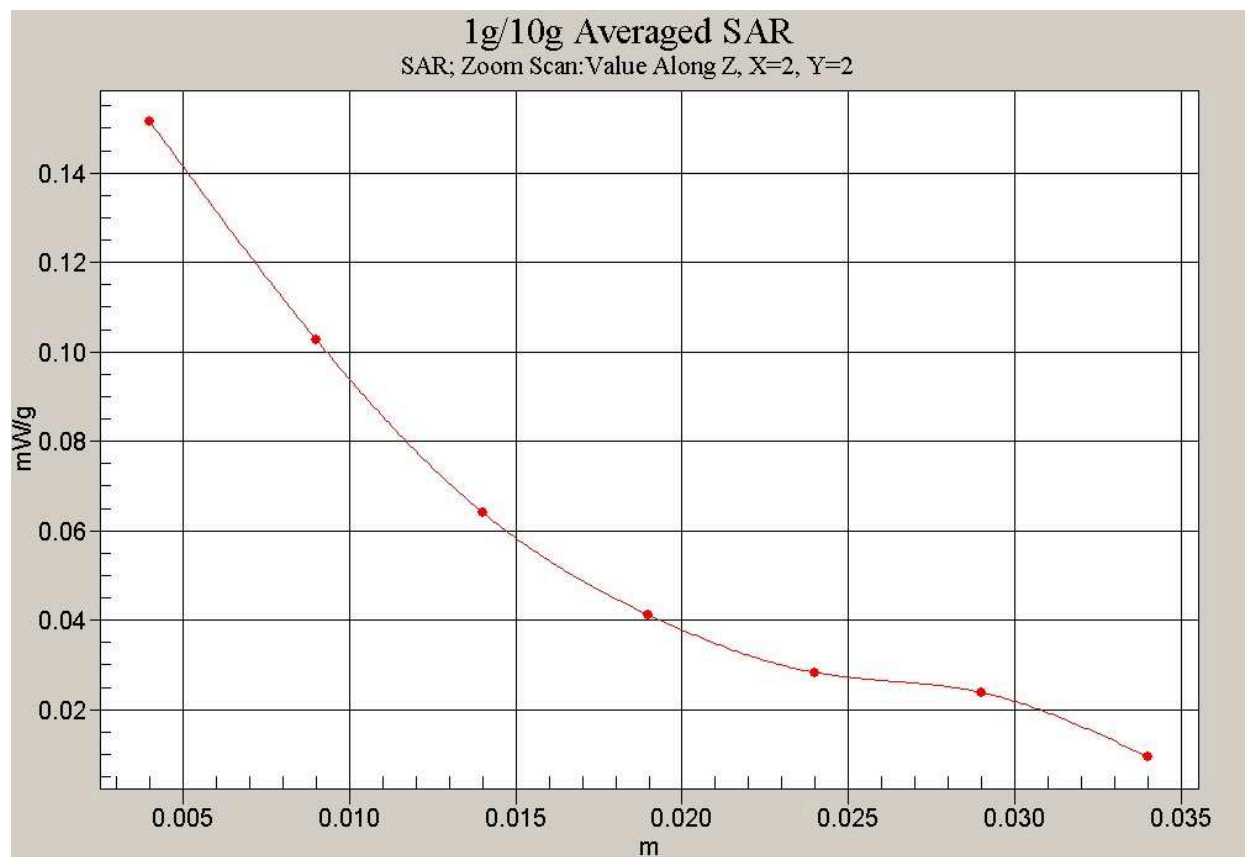


Fig. 18 Z-Scan at power reference point (PCS 1900MHz CH512)

1900 Right Tilt High

Date/Time: 2006-11-3 18:05:01

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

Communication System: GSM 1900MHz Frequency: 1909.8 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Tilt High/Area Scan (51x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.220 mW/g

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

Reference Value = 8.89 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.180 mW/g



0 dB = 0.180mW/g

Fig. 19 Right Hand Tilt 15°PCS 1900MHz CH810

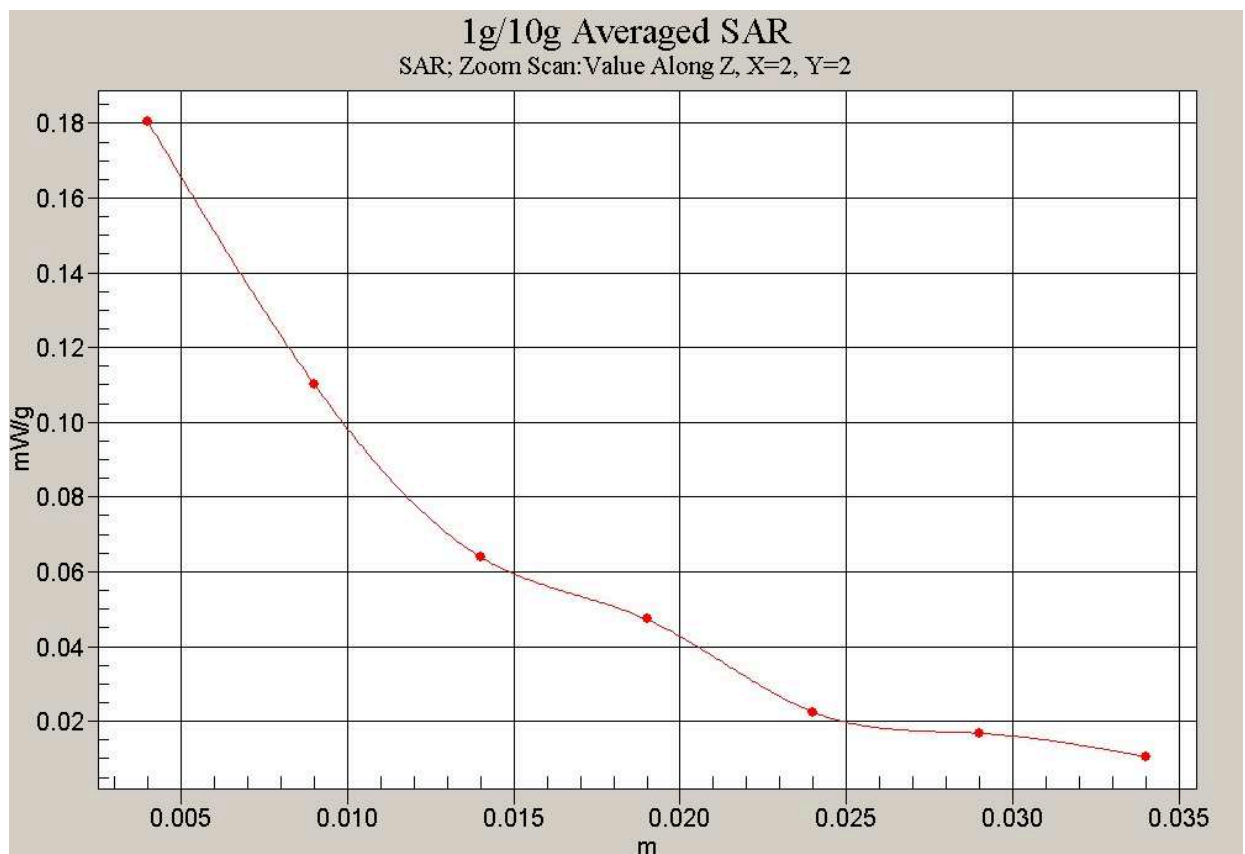


Fig. 20 Z-Scan at power reference point (PCS 1900MHz CH810)

1900 Right Tilt Middle

Date/Time: 2006-11-3 17:51:17

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Tilt Middle/Area Scan (51x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

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

Reference Value = 10.0 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.112 mW/g

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

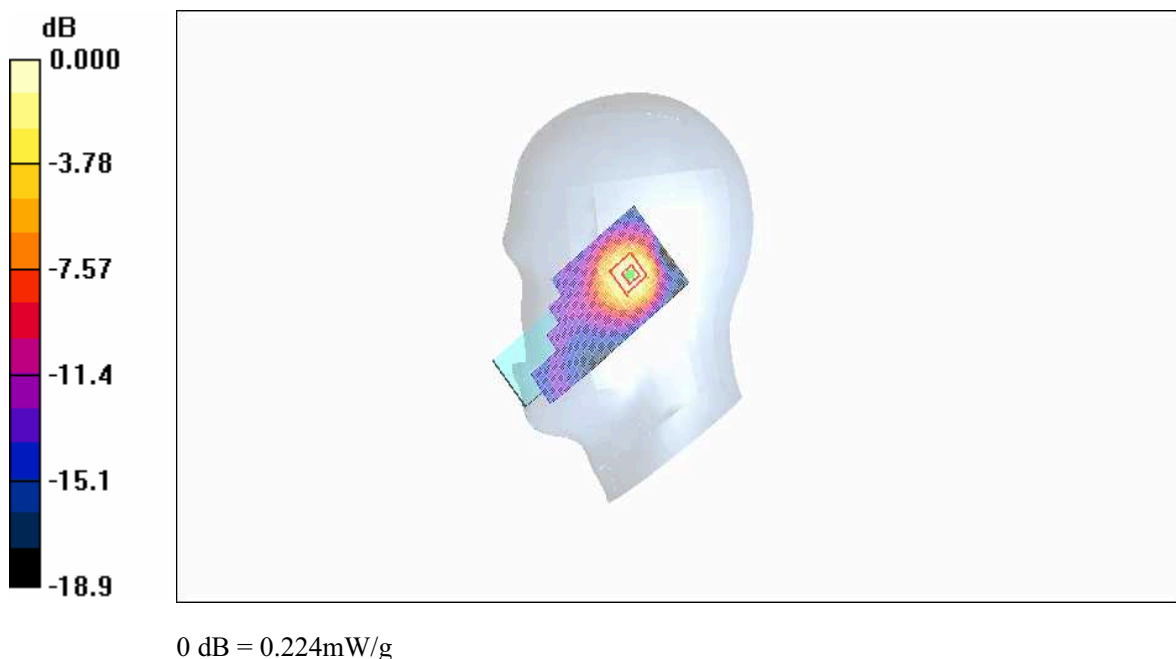


Fig. 21 Right Hand Tilt 15°PCS 1900MHz CH661

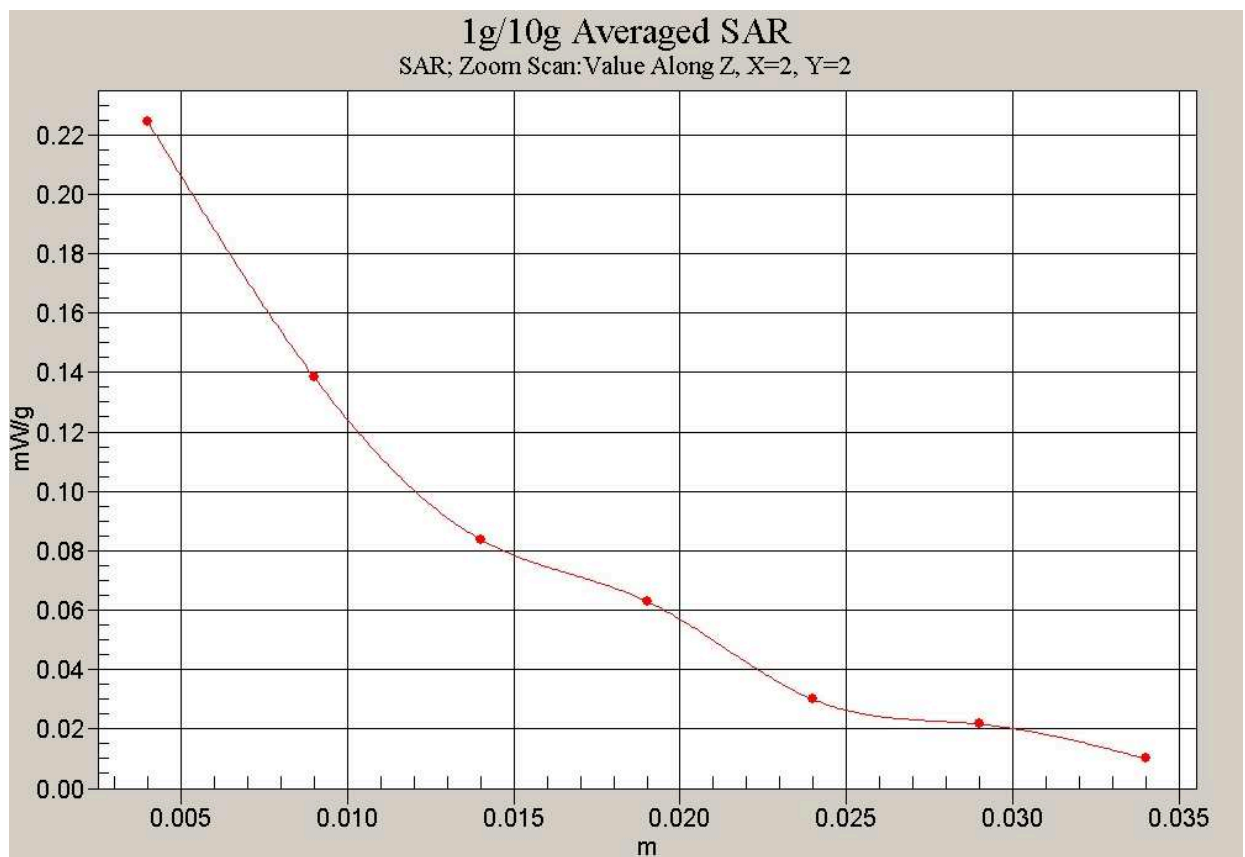


Fig. 22 Z-Scan at power reference point (PCS 1900MHz CH661)

1900 Right Tilt Low

Date/Time: 2006-11-3 17:37:42

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

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

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Tilt Low/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.264 mW/g

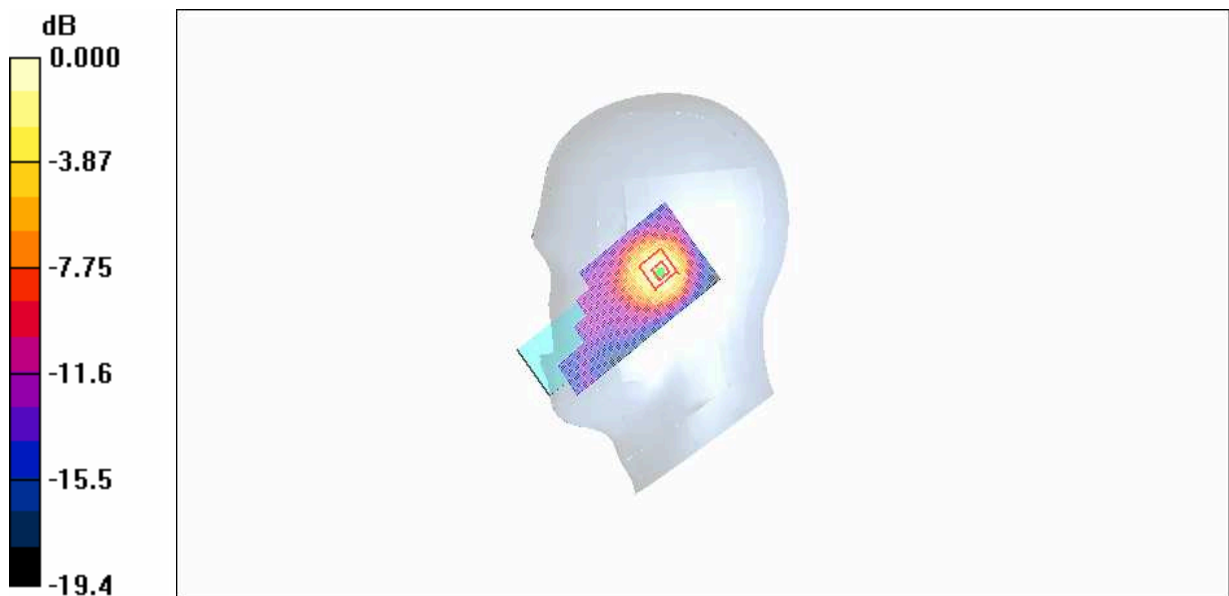
Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.00 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.115 mW/g

Maximum value of SAR (measured) = 0.227 mW/g



0 dB = 0.227mW/g

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

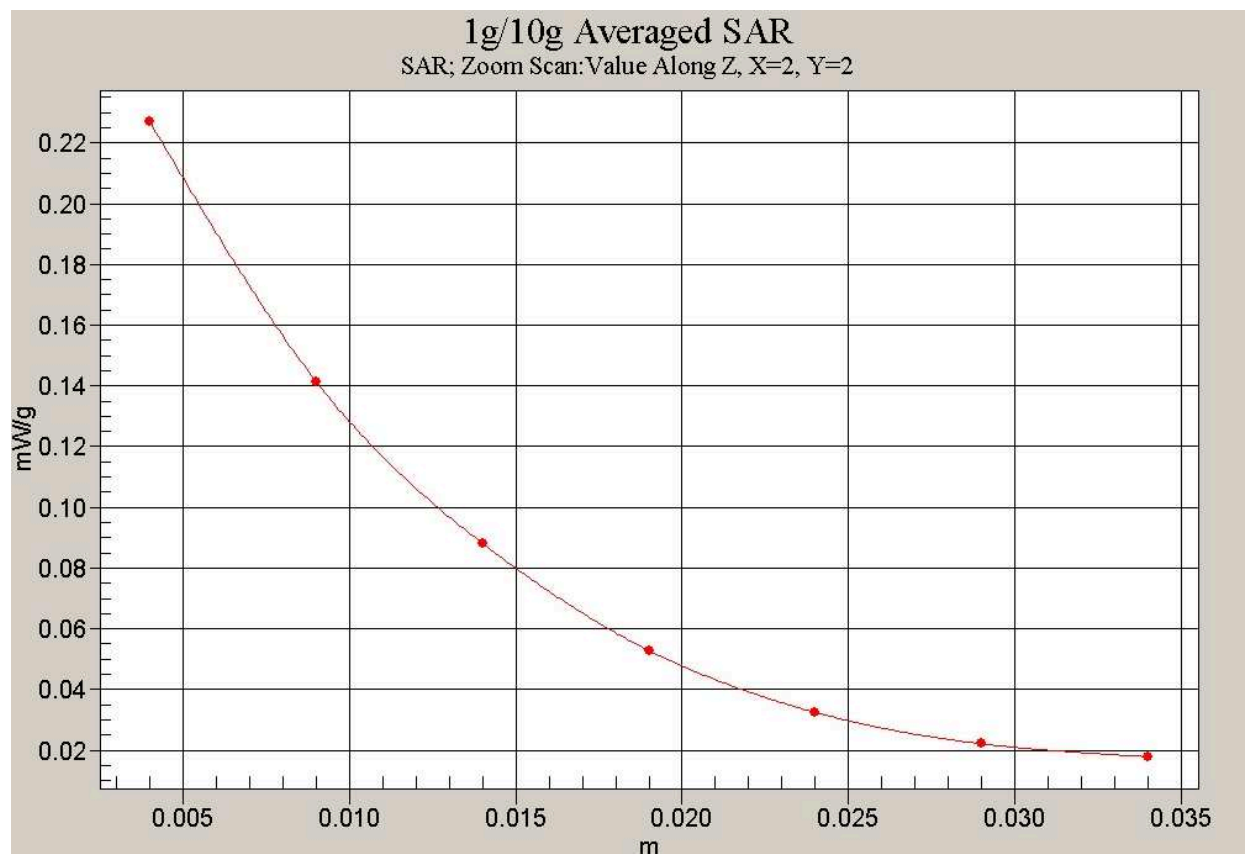


Fig. 24 Z-Scan at power reference point (PCS 1900MHz CH512)

1900 Body Toward Phantom High (Flip open)

Date/Time: 2006-11-3 20:05:16

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.0°C

Communication System: GSM 1900MHz Frequency: 1909.8 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Phantom High/Area Scan (41x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.158 mW/g

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

Reference Value = 3.96 V/m; Power Drift = -0.152 dB

Peak SAR (extrapolated) = 0.235 W/kg

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.090 mW/g

Maximum value of SAR (measured) = 0.157 mW/g

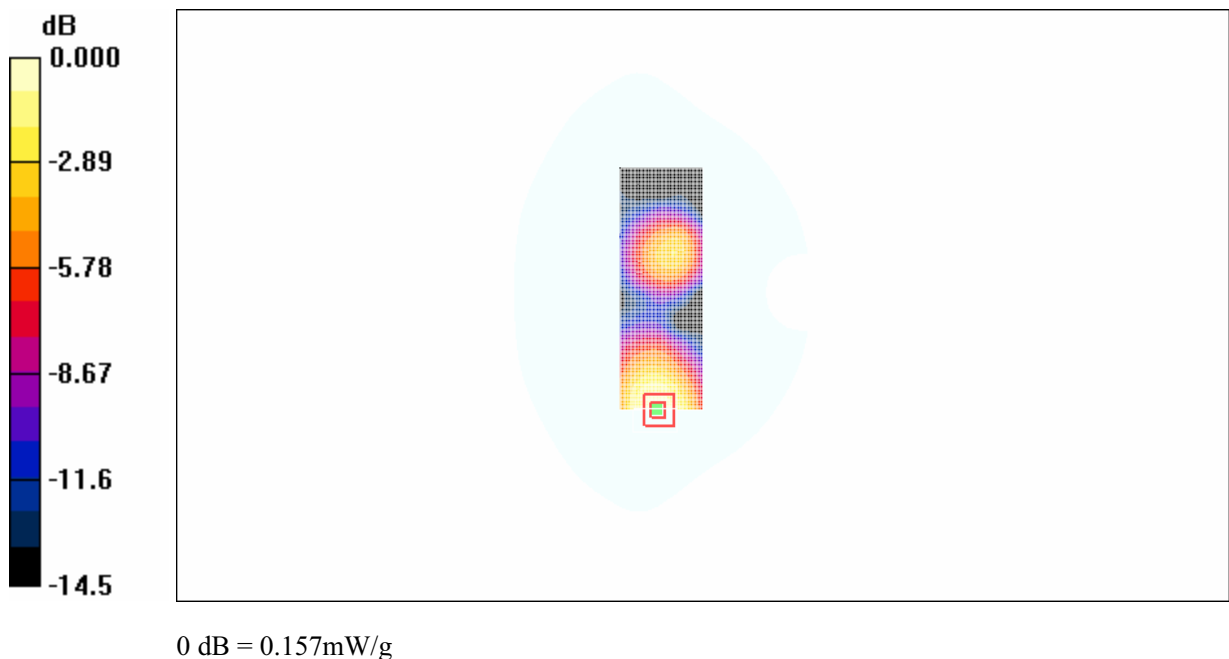


Fig. 25 PCS 1900MHz, Body, Towards Phantom, CH810 (Flip open)

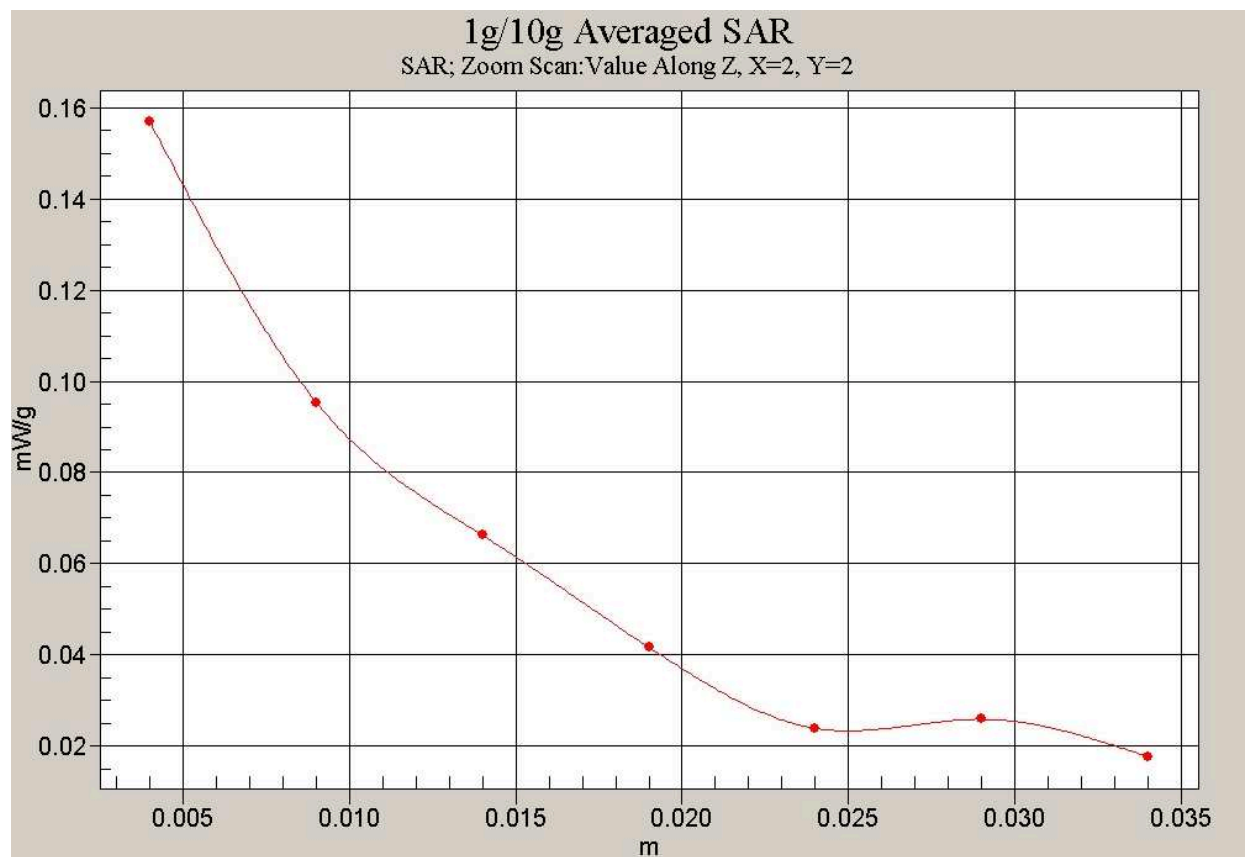


Fig. 26 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Phantom, CH810) (Flip open)

1900 Body Toward Phantom Middle (Flip open)

Date/Time: 2006-11-3 19:50:47

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.0°C

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Phantom Middle/Area Scan (41x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.160 mW/g

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

Reference Value = 4.76 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.090 mW/g

Maximum value of SAR (measured) = 0.156 mW/g

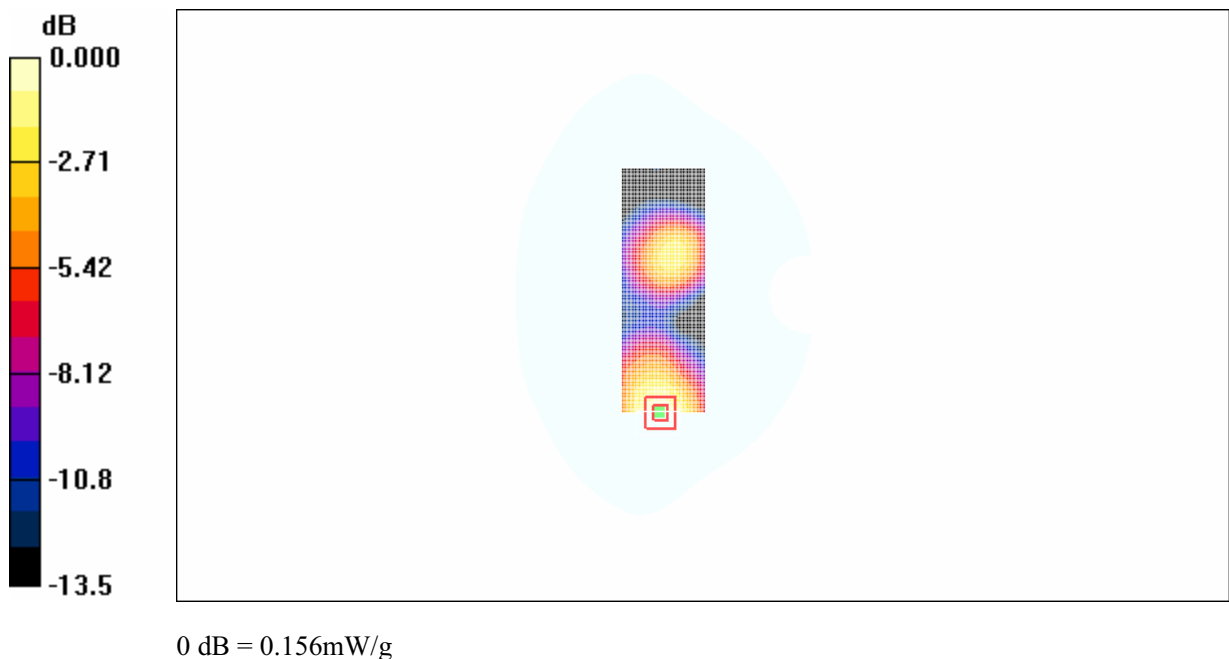


Fig. 27 PCS 1900MHz, Body, Towards Phantom, CH661 (Flip open)

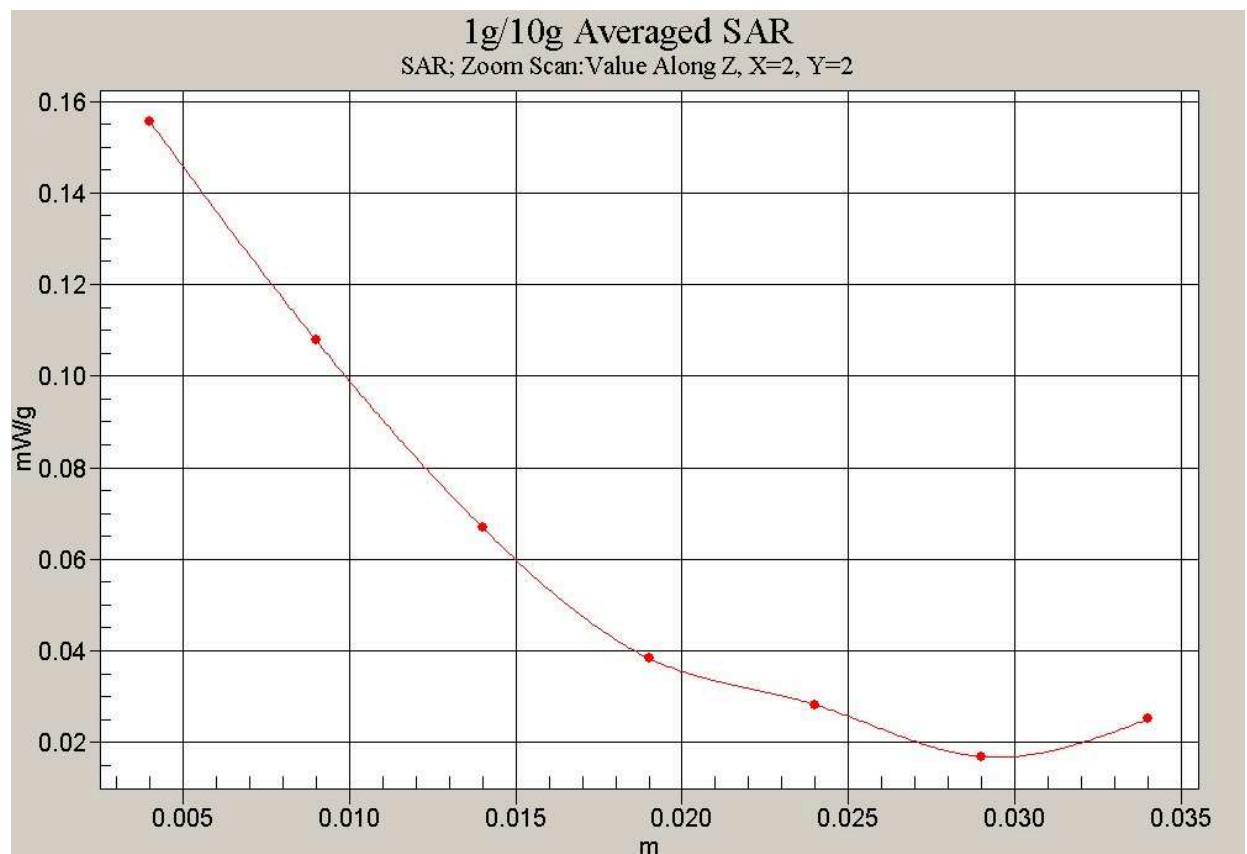


Fig. 28 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Phantom, CH661) (Flip open)

1900 Body Toward Phantom Low (Flip open)

Date/Time: 2006-11-3 19:36:03

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.0°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Phantom Low/Area Scan (41x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.126 mW/g

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

Reference Value = 5.20 V/m; Power Drift = 0.106 dB

Peak SAR (extrapolated) = 0.186 W/kg

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

Maximum value of SAR (measured) = 0.125 mW/g

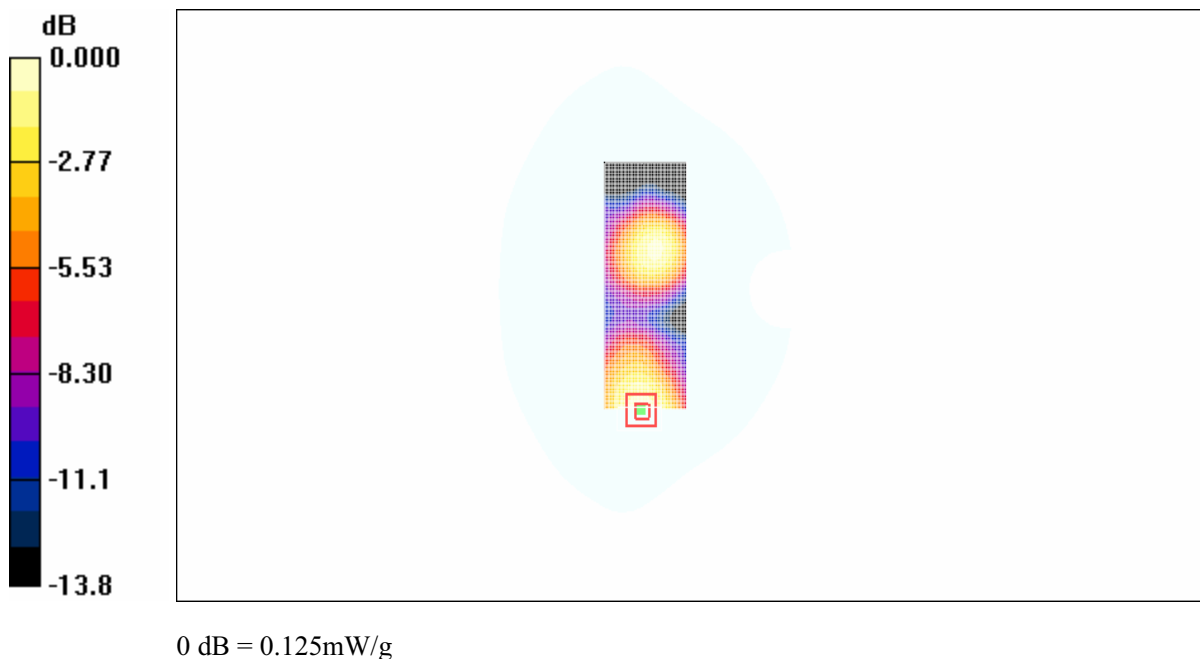


Fig. 29 PCS 1900MHz, Body, Towards Phantom, CH512 (Flip open)

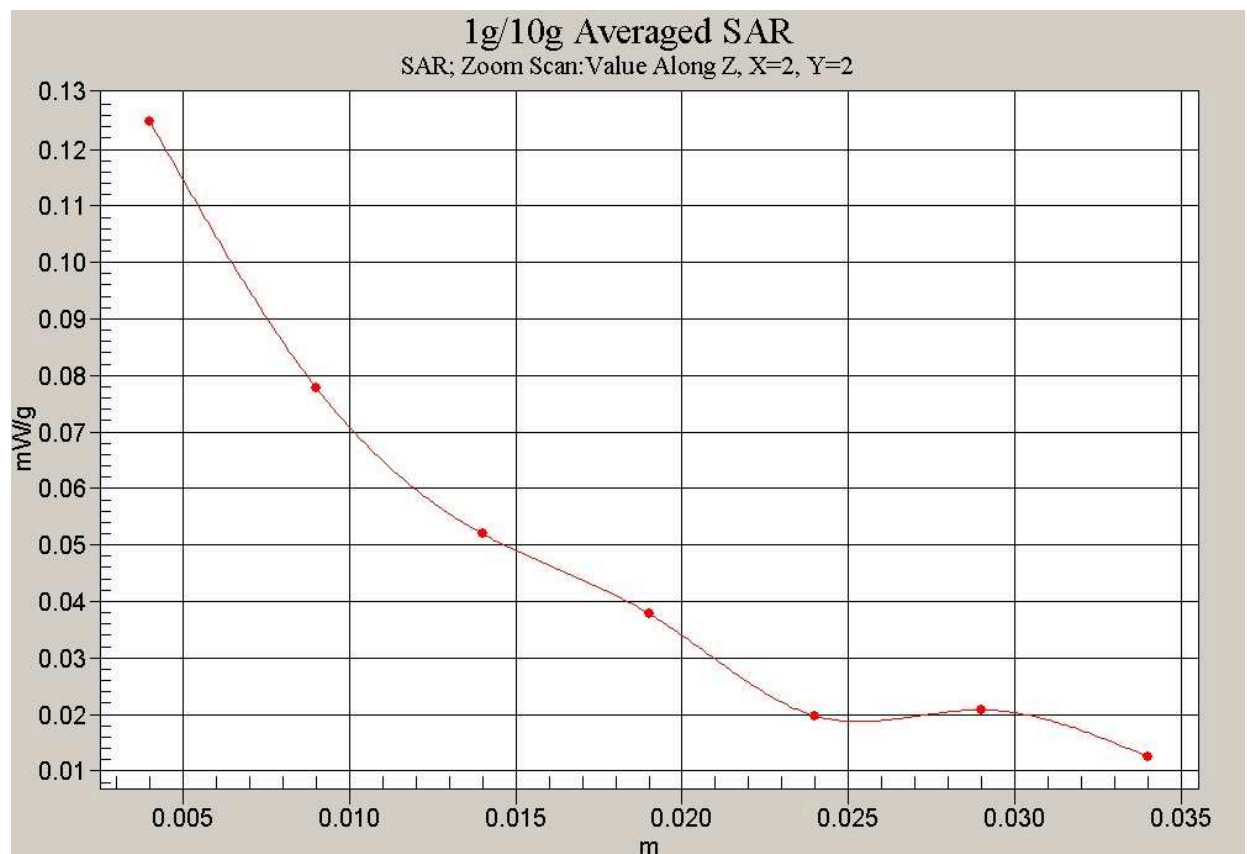


Fig. 30 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Phantom, CH512) (Flip open)

1900 Body Toward Ground High (Flip open)

Date/Time: 2006-11-3 19:00:05

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.0°C

Communication System: GSM 1900MHz Frequency: 1909.8 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Ground High/Area Scan (41x111x1): Measurement grid: dx=10mm, dy=10mm

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

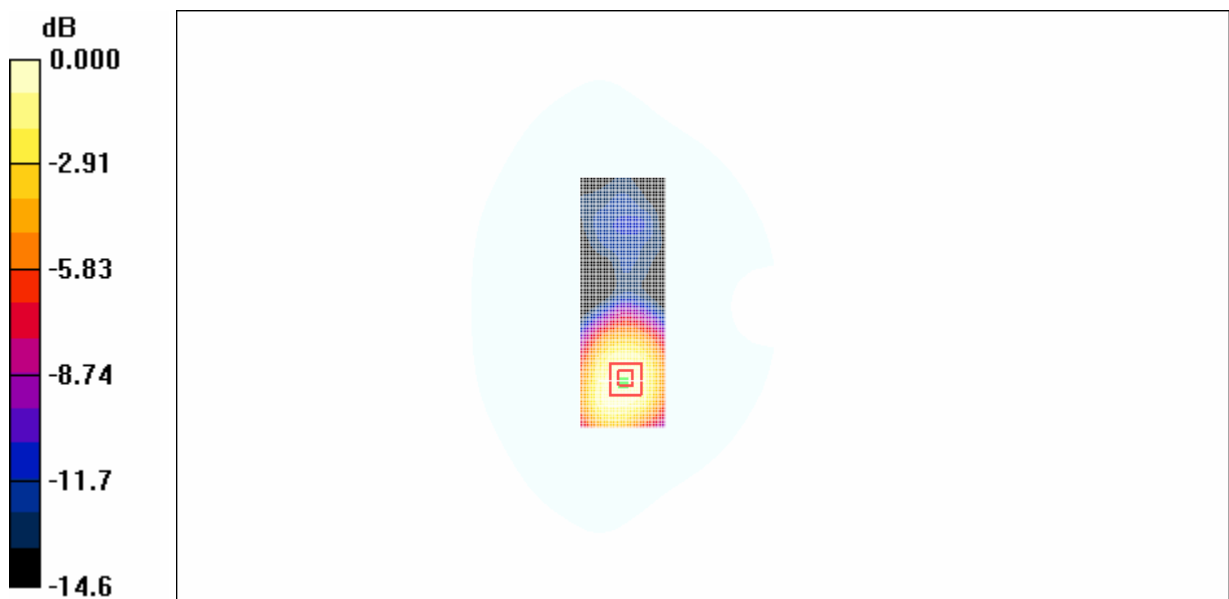
Toward Ground High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.55 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.174 mW/g

Maximum value of SAR (measured) = 0.296 mW/g



0 dB = 0.296mW/g

Fig. 31 PCS 1900MHz, Body, Towards Ground, CH810 (Flip open)

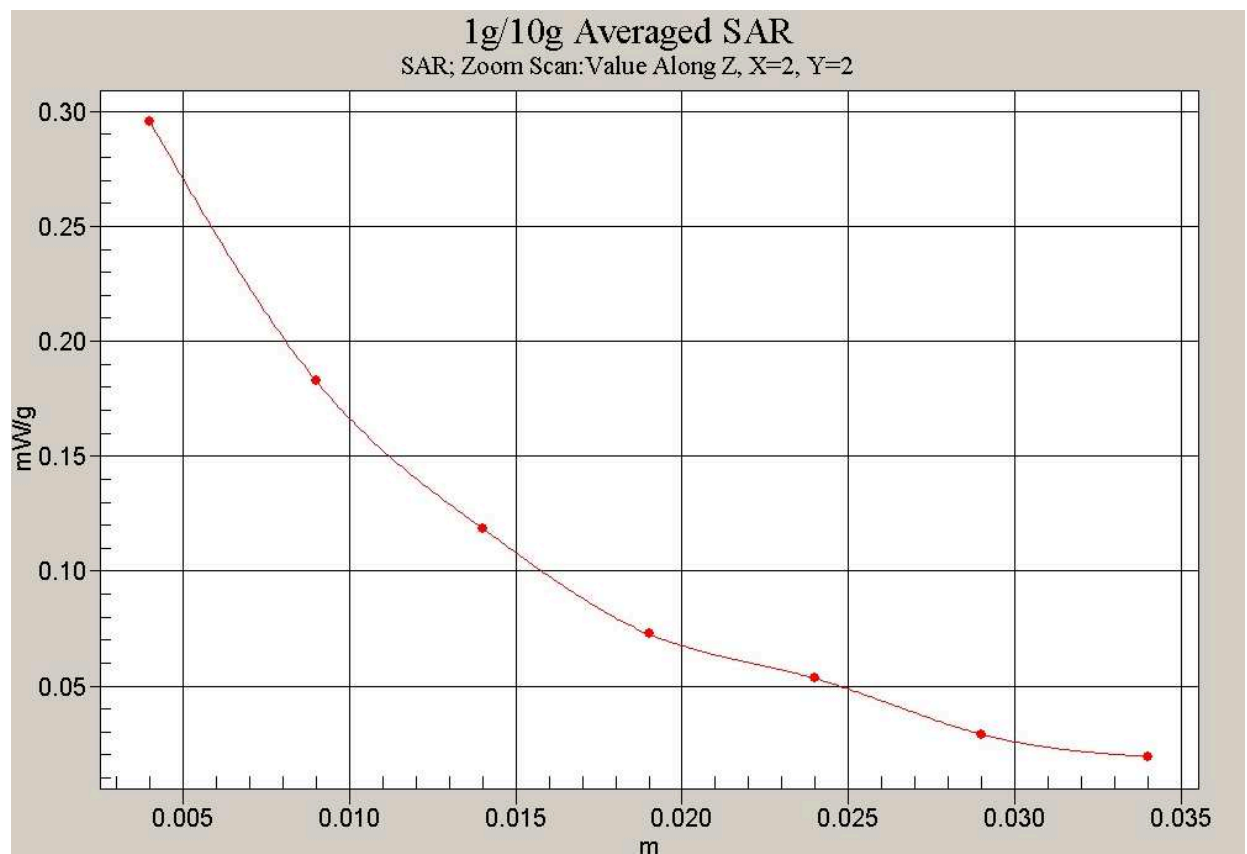


Fig. 32 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Ground, CH810) (Flip open)

1900 Body Toward Ground Middle (Flip open)

Date/Time: 2006-11-3 18:41:17

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.0°C

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Ground Middle/Area Scan (41x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

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

Reference Value = 4.63 V/m; Power Drift = 0.200 dB

Peak SAR (extrapolated) = 0.436 W/kg

SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.176 mW/g

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

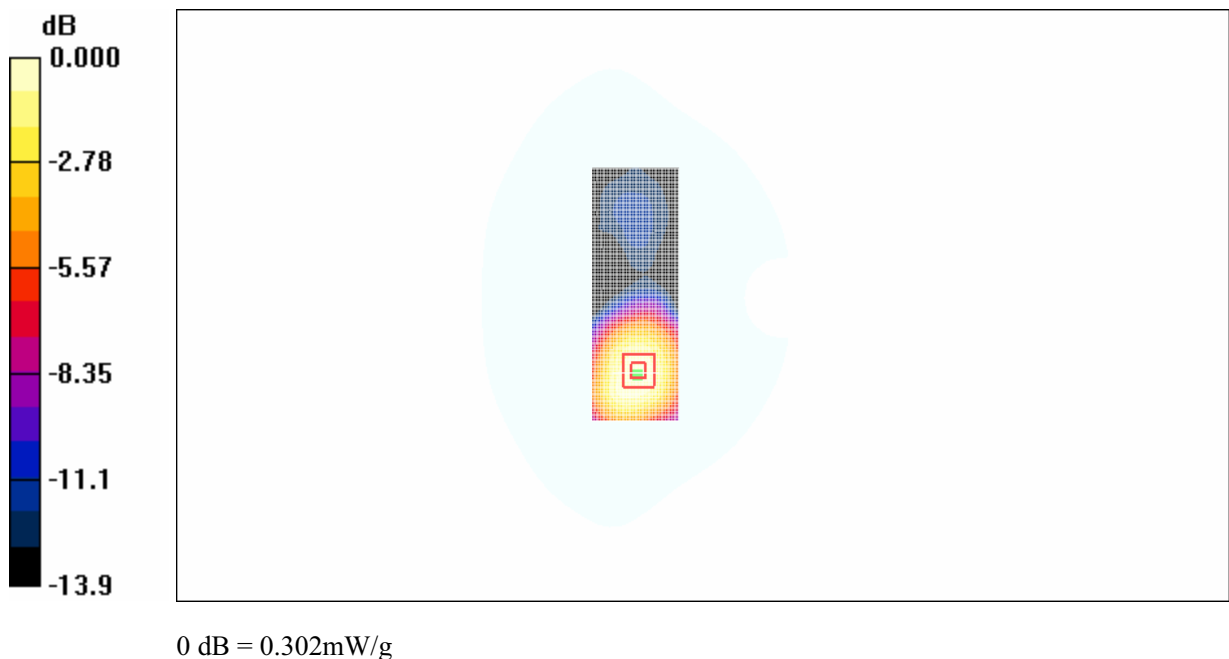


Fig. 33 PCS 1900MHz, Body, Towards Ground, CH661 (Flip open)

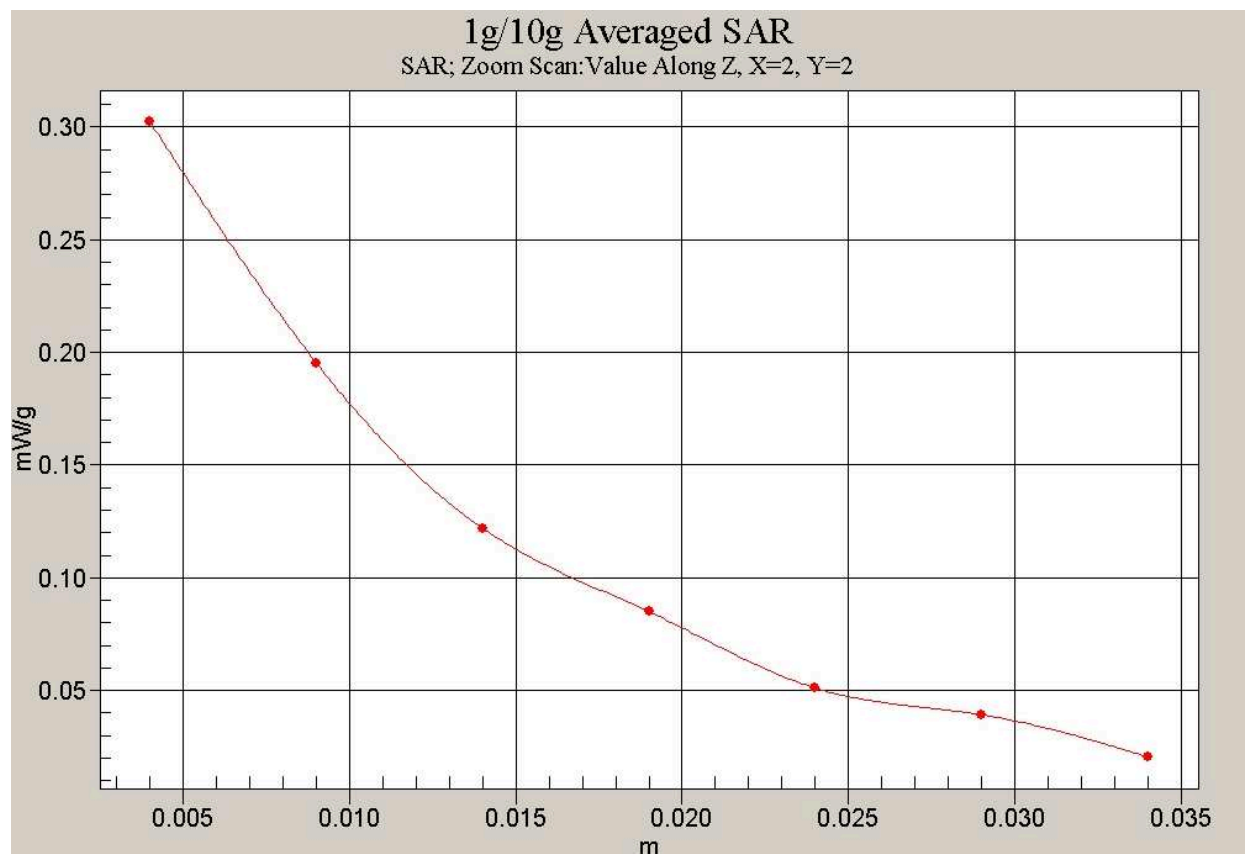


Fig. 34 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Ground, CH661) (Flip open)

1900 Body Toward Ground Low (Flip open)

Date/Time: 2006-11-3 19:14:12

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3°C Liquid Temperature: 22.0°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Ground Low/Area Scan (41x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.248 mW/g

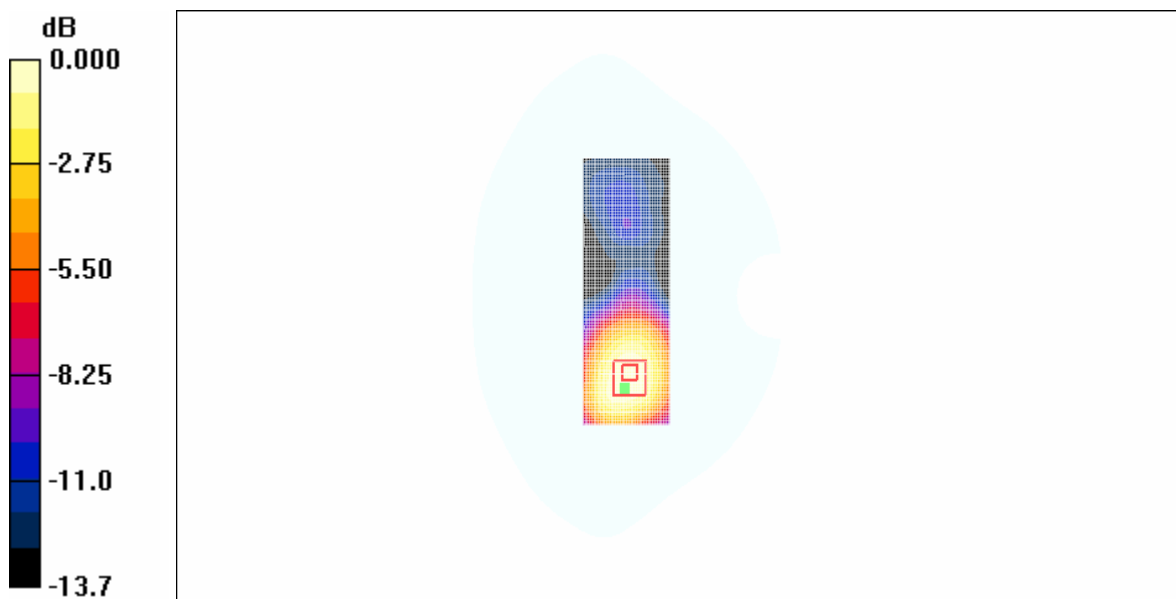
Toward Ground Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.56 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 0.374 W/kg

SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.149 mW/g

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



0 dB = 0.251mW/g

Fig. 35 PCS 1900MHz, Body, Towards Ground, CH512 (Flip open)

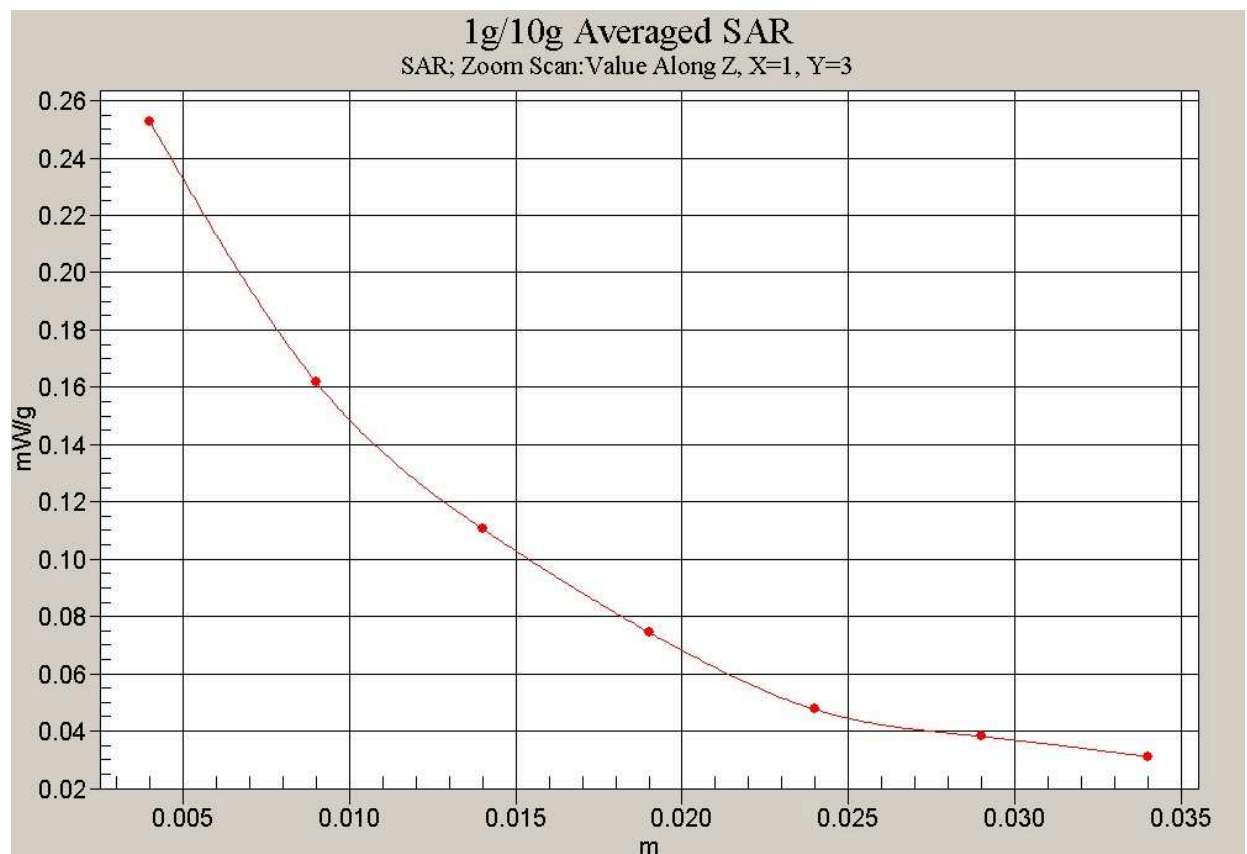


Fig. 36 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Ground, CH512) (Flip open)

1900 Body Toward Ground Middle (Flip open with headset)

Date/Time: 2006-11-25 11:22:16

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Ground Middle/Area Scan (41x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.299 mW/g

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

Reference Value = 4.62 V/m; Power Drift = -0.112 dB

Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.174 mW/g

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

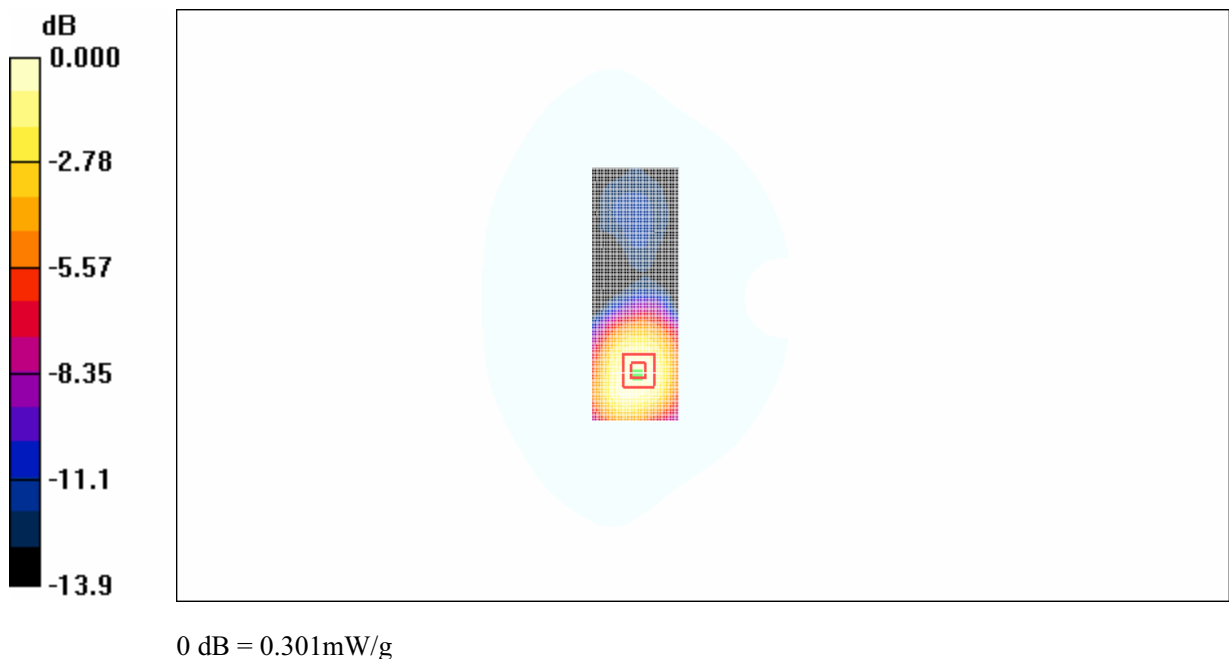


Fig. 37 PCS 1900MHz, Body Towards Ground, CH661 (Flip open with headset)

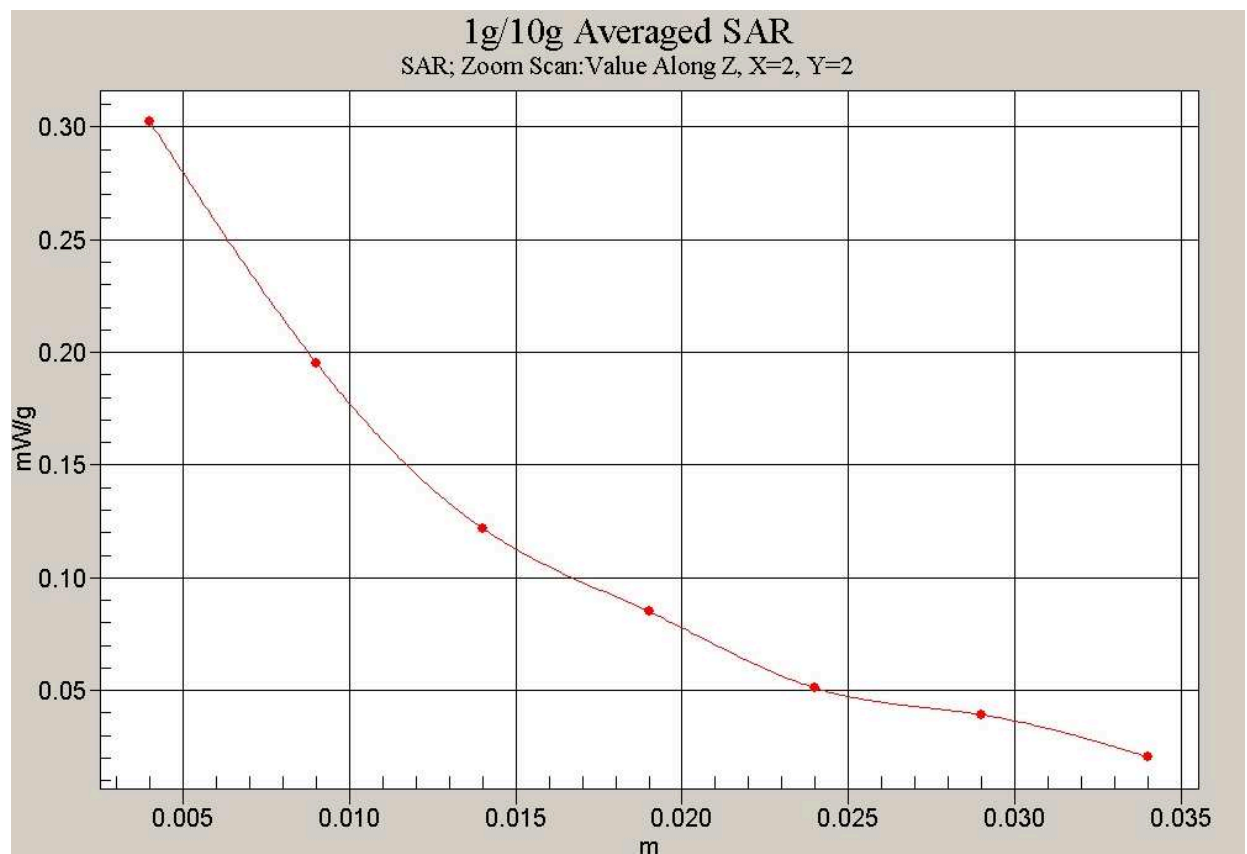


Fig. 38 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Ground, CH661) (Flip open with headset)

1900 Body Toward Phantom High (Flip closed)

Date/Time: 2006-11-25 8:13:44

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

Communication System: GSM 1900MHz Frequency: 1909.8 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Phantom High/Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.059 mW/g

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

Reference Value = 6.00 V/m; Power Drift = -0.198 dB

Peak SAR (extrapolated) = 0.078 W/kg

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.057 mW/g

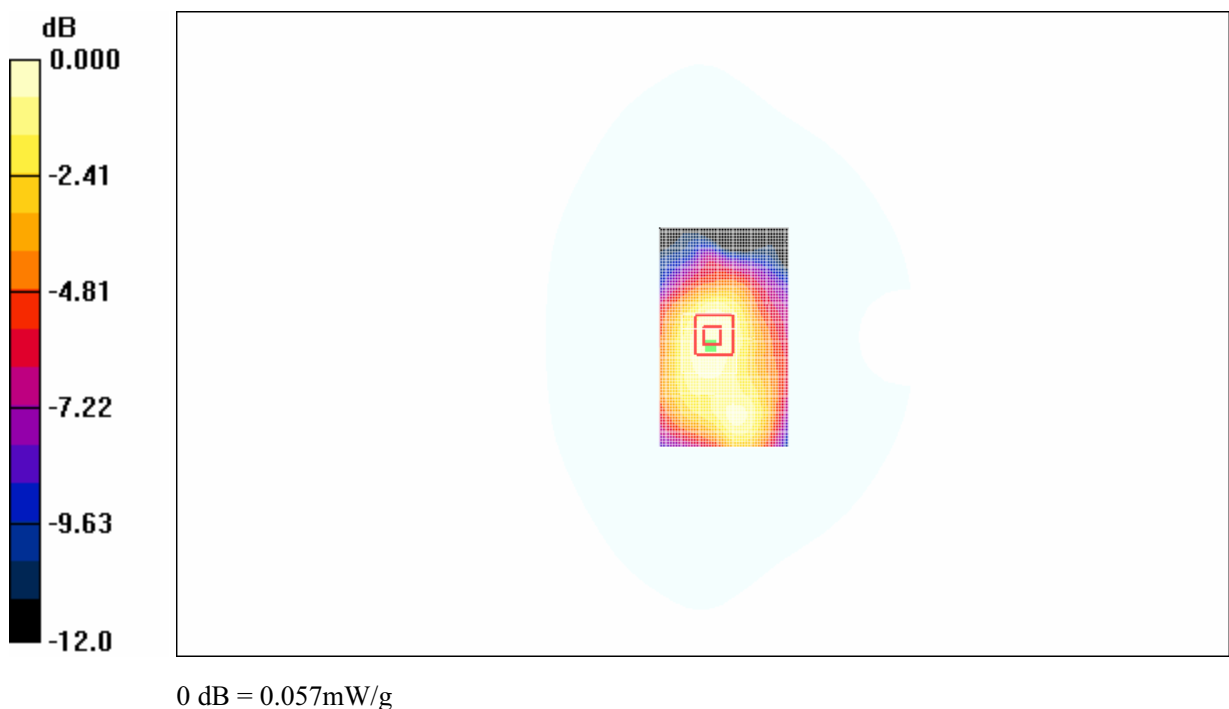


Fig. 39 PCS 1900MHz, Body, Towards Phantom, CH810 (Flip closed)

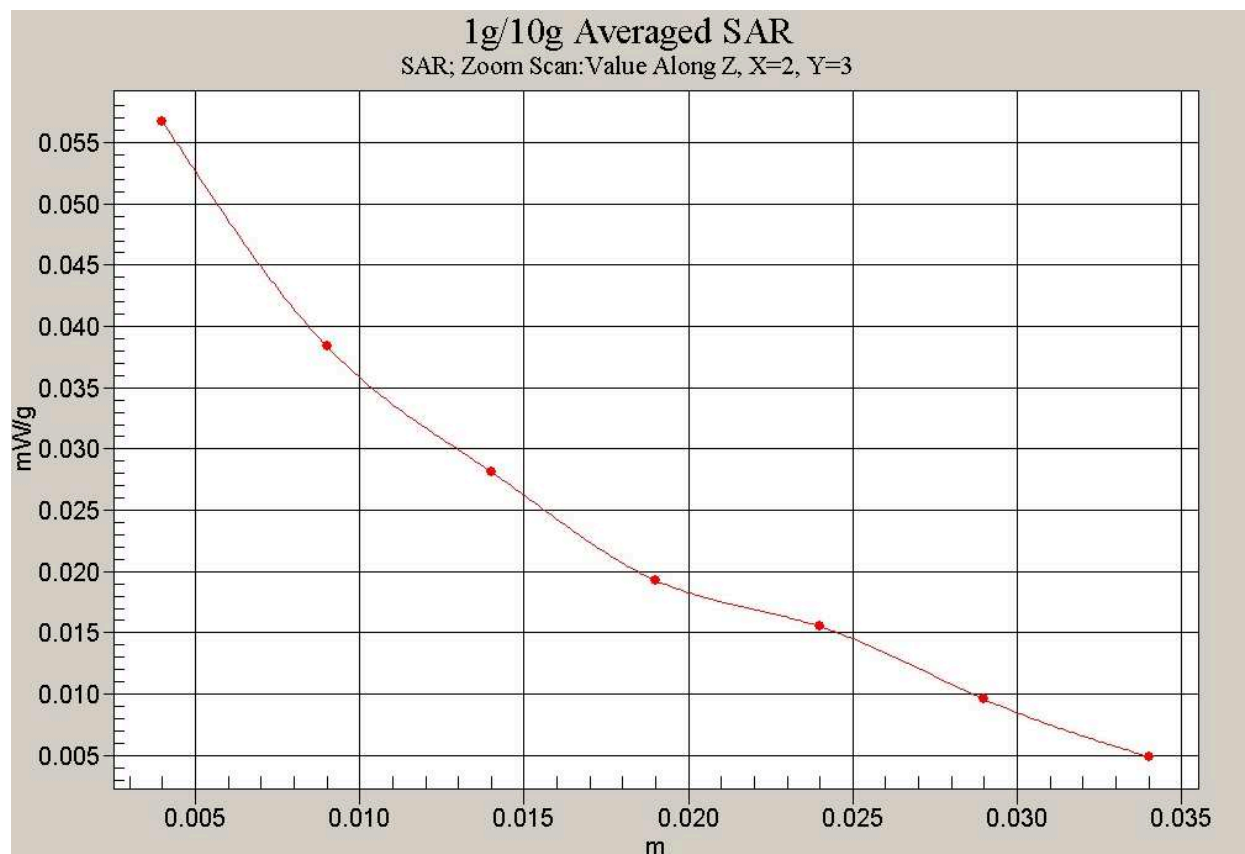


Fig. 40 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Phantom, CH810) (Flip closed)

1900 Body Toward Phantom Middle (Flip closed)

Date/Time: 2006-11-25 9:06:55

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

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

Maximum value of SAR (interpolated) = 0.055 mW/g

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

Reference Value = 5.78 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.084 W/kg

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.045 mW/g

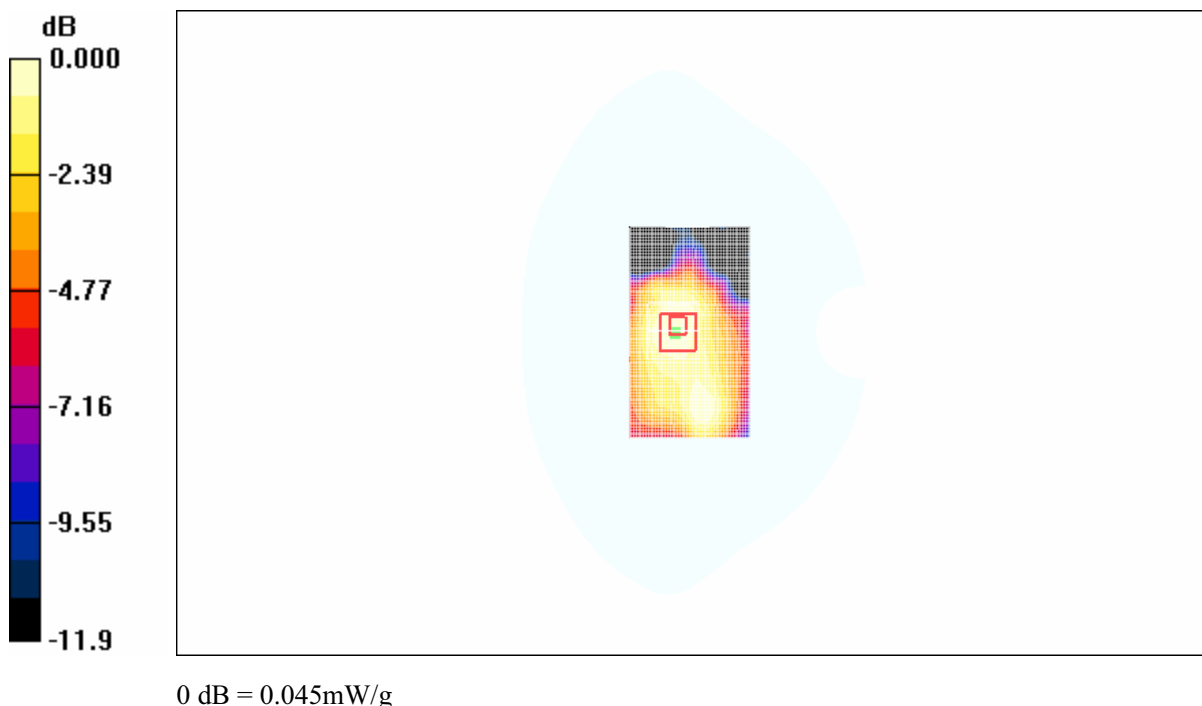


Fig. 41 PCS 1900MHz, Body, Towards Phantom, CH661 (Flip closed)

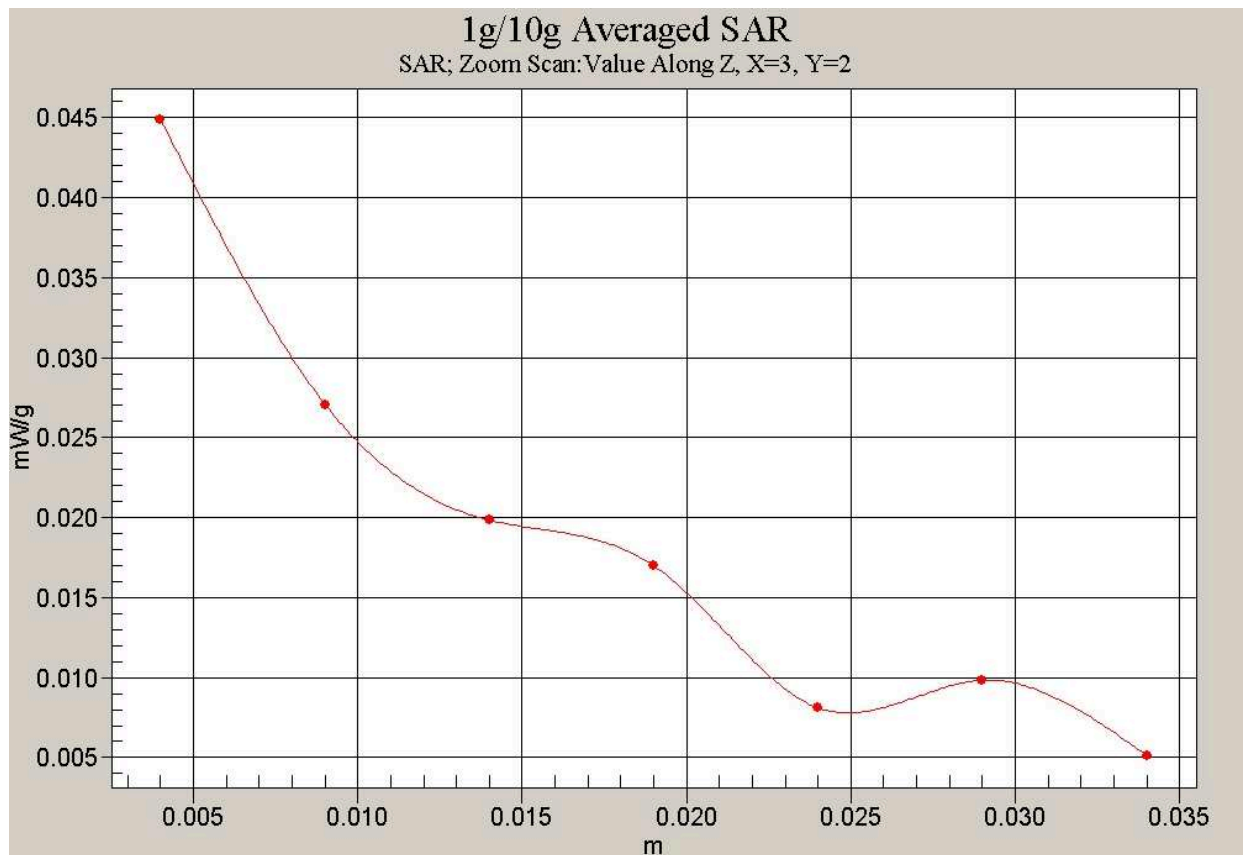


Fig. 42 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Phantom, CH661) (Flip closed)

1900 Body Toward Phantom Low (Flip closed)

Date/Time: 2006-11-25 8:54:55

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

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

Maximum value of SAR (interpolated) = 0.054 mW/g

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

Reference Value = 5.56 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.069 W/kg

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.047 mW/g

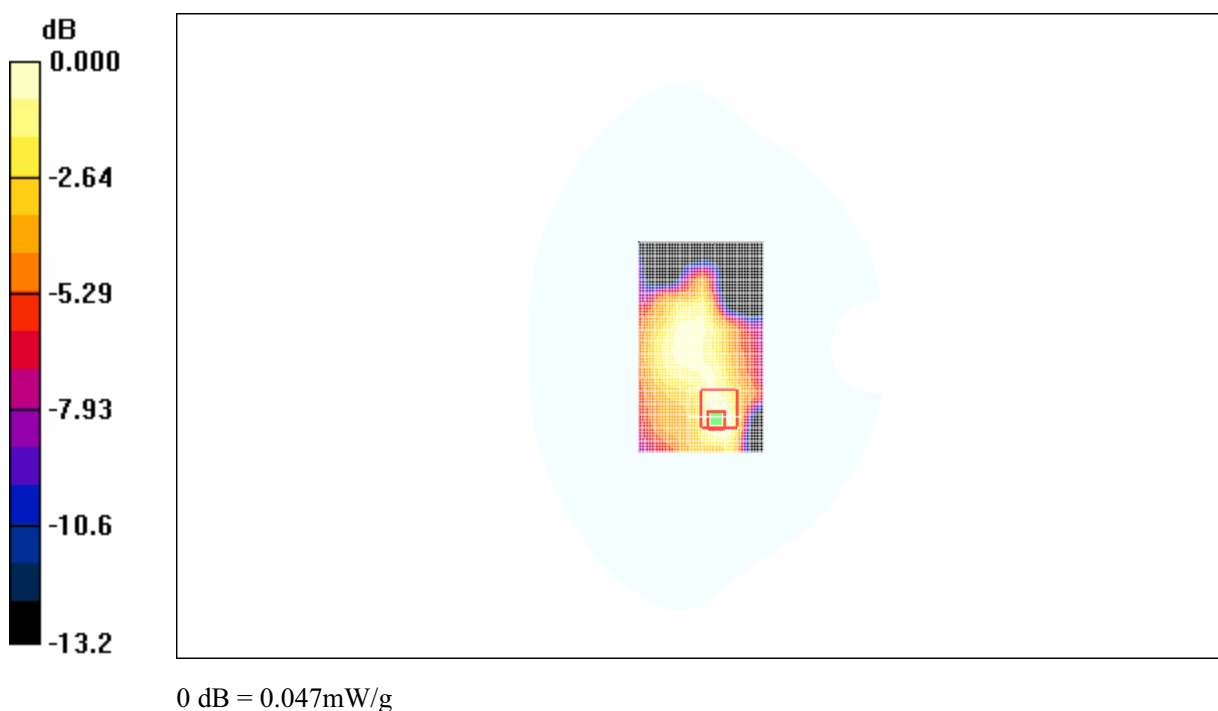


Fig. 43 PCS 1900MHz, Body, Towards Phantom, CH512 (Flip closed)

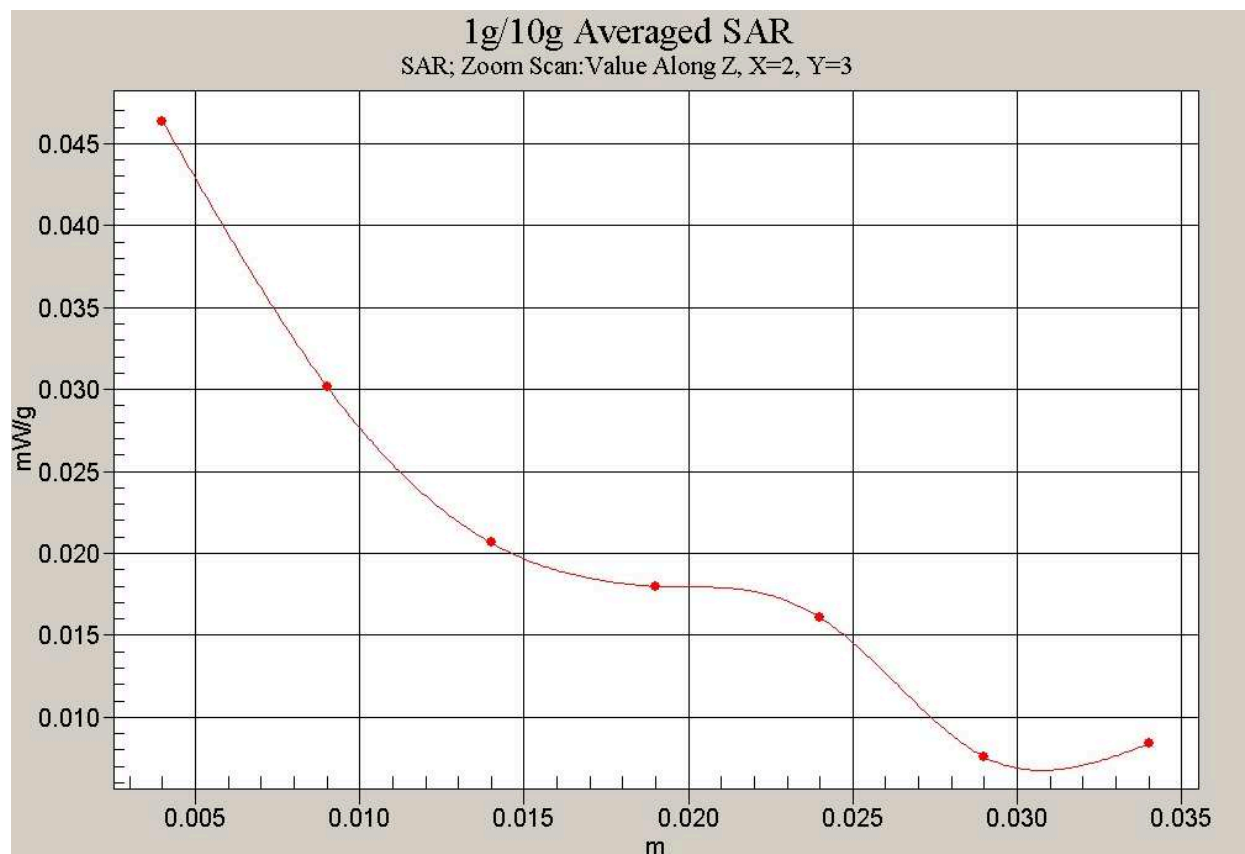


Fig. 44 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Phantom, CH512) (Flip closed)

1900 Body Toward Ground High (Flip closed)

Date/Time: 2006-11-25 9:37:31

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

Communication System: GSM 1900MHz Frequency: 1909.8 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

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

Maximum value of SAR (interpolated) = 0.250 mW/g

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

Reference Value = 12.8 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.146 mW/g

Maximum value of SAR (measured) = 0.248 mW/g

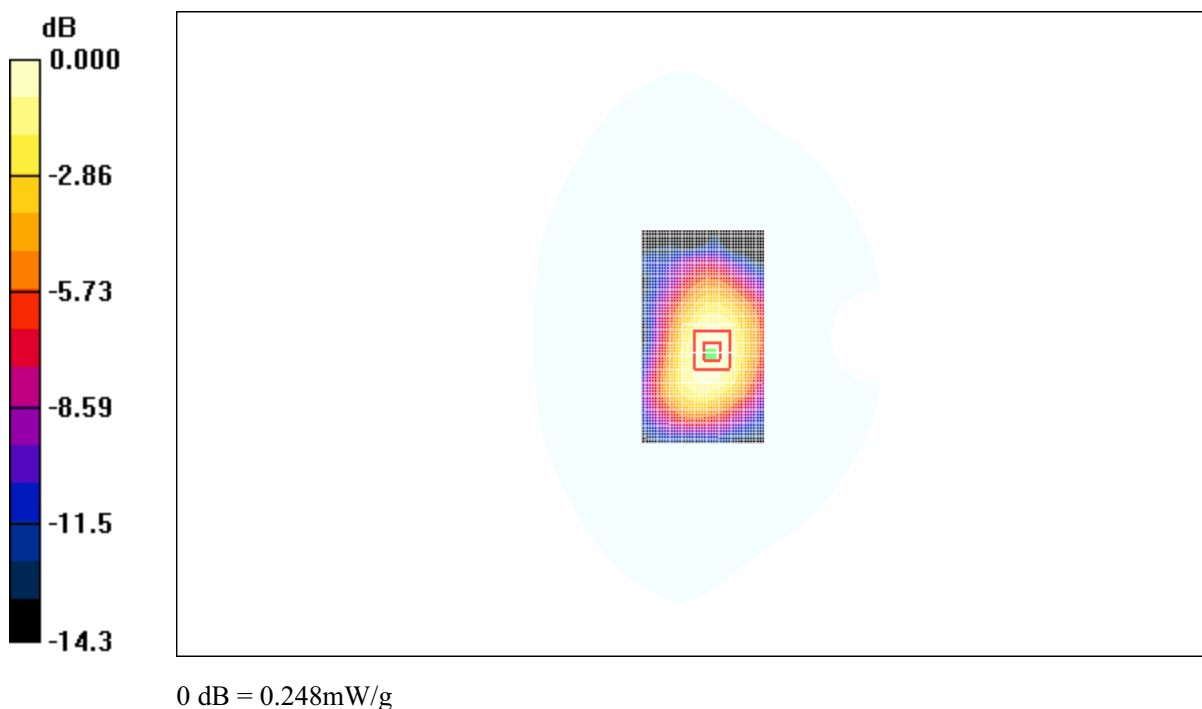


Fig. 45 PCS 1900MHz, Body, Towards Ground, CH810 (Flip closed)

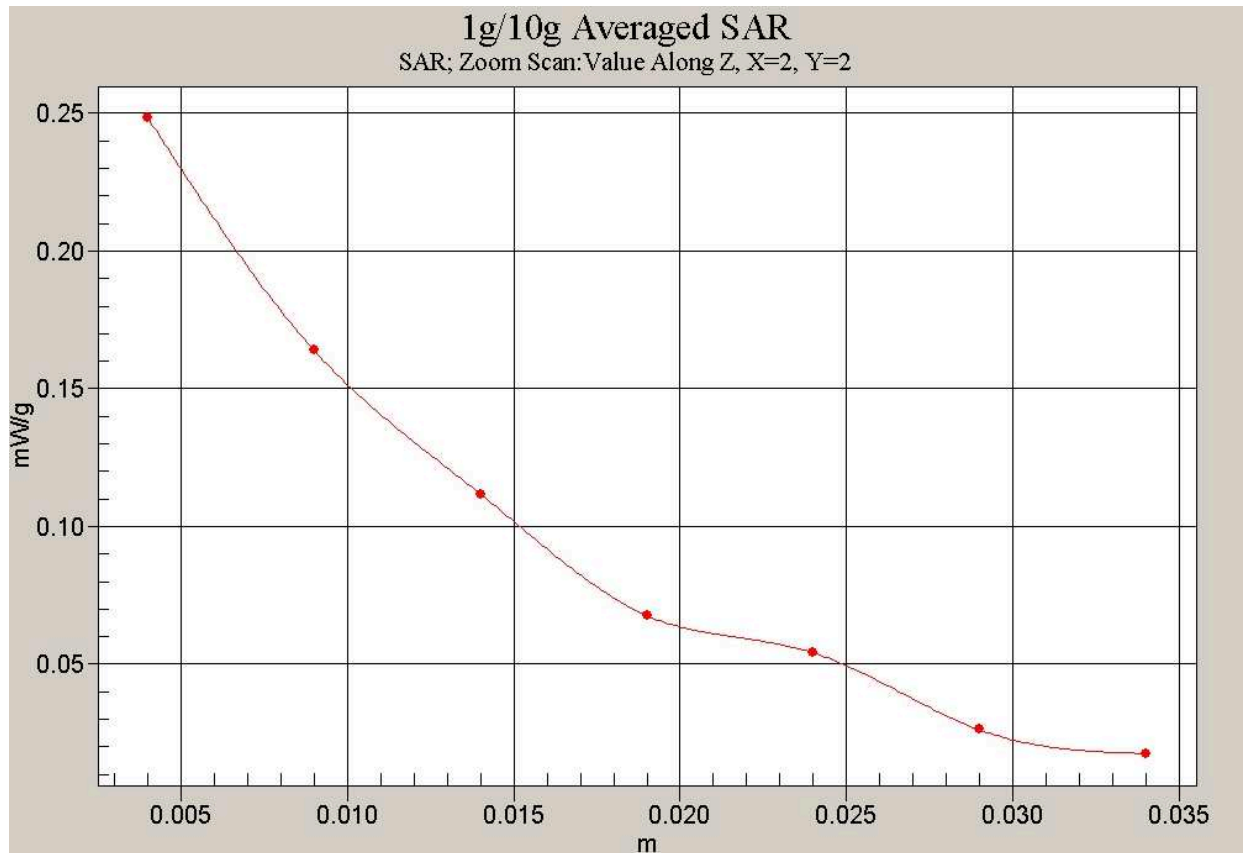


Fig. 46 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Ground, CH810) (Flip closed)

1900 Body Toward Ground Middle (Flip closed)

Date/Time: 2006-11-25 10:11:50

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

Communication System: GSM 1900MHz Frequency: 1880 MHz Duty Cycle: 1:8.3

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

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

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

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

Reference Value = 12.3 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.220 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.234 mW/g

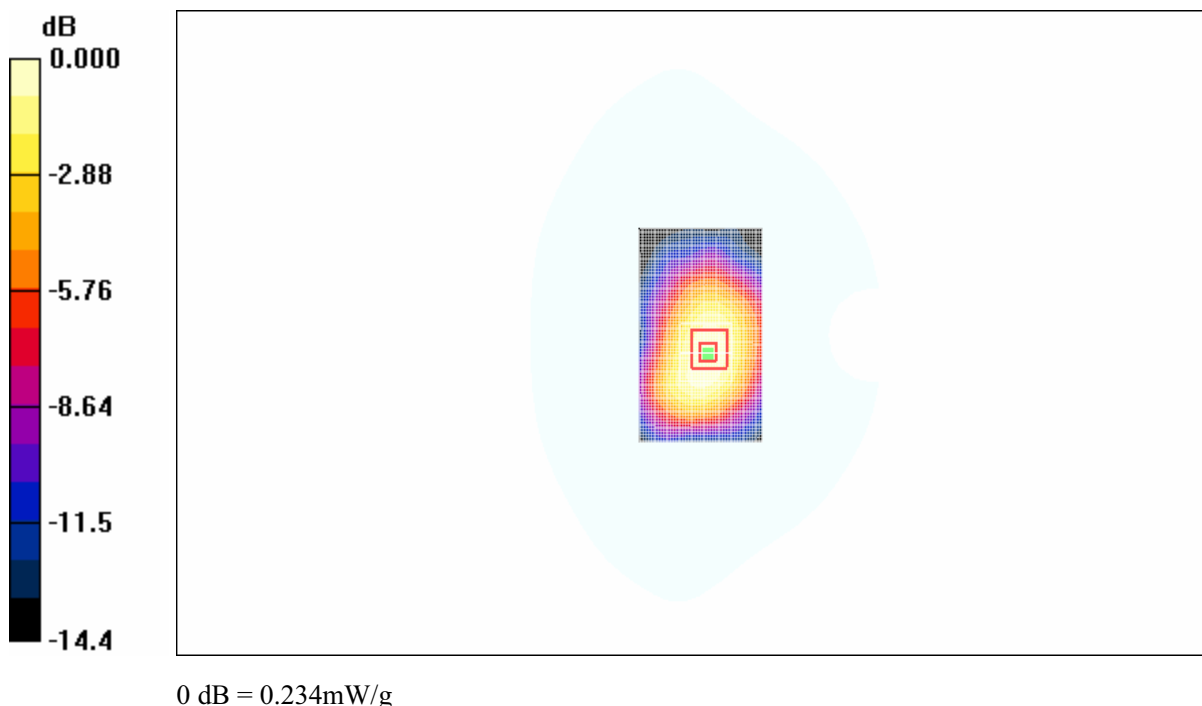


Fig. 47 PCS 1900MHz, Body, Towards Ground, CH661 (Flip closed)

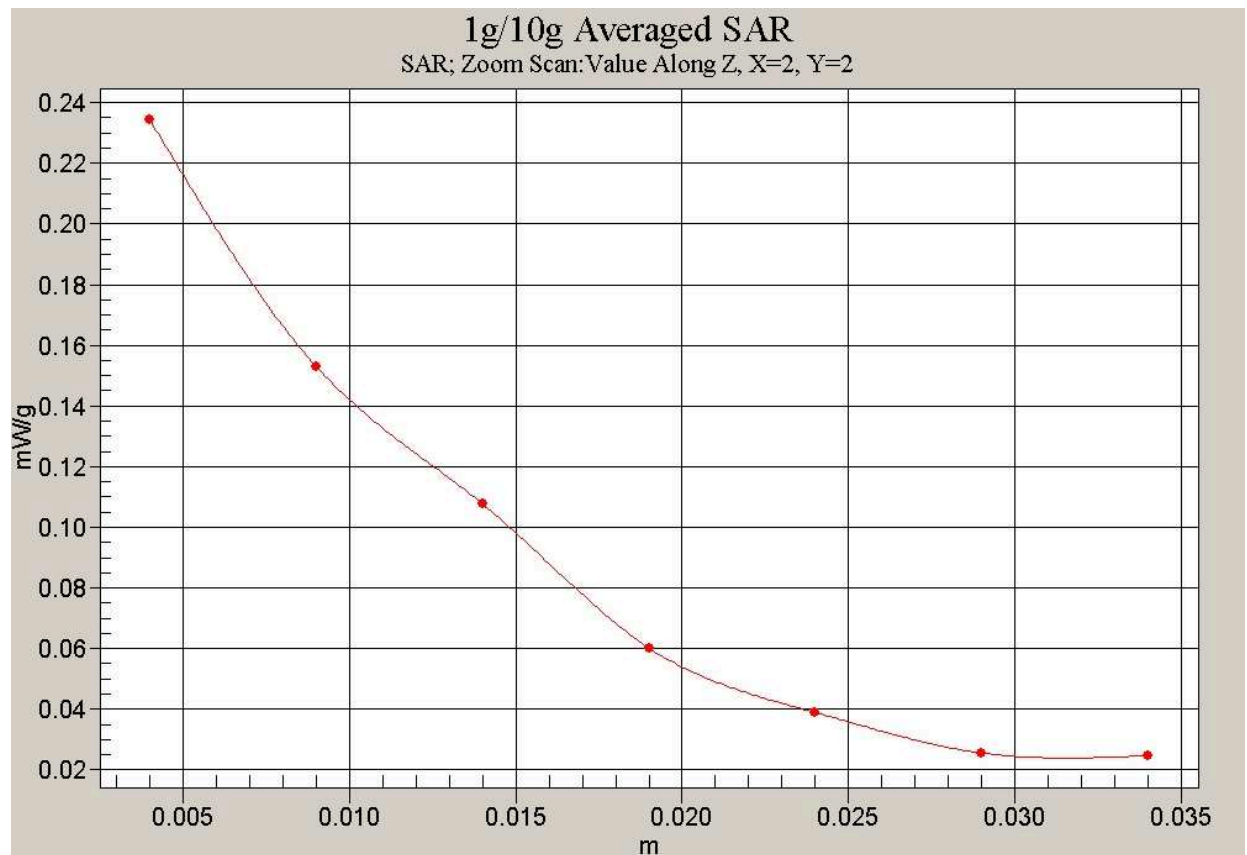


Fig. 48 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Ground, CH661) (Flip closed)

1900 Body Toward Ground Low (Flip closed)

Date/Time: 2006-11-25 10:48:52

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

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

Maximum value of SAR (interpolated) = 0.228 mW/g

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

Reference Value = 12.2 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.132 mW/g

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

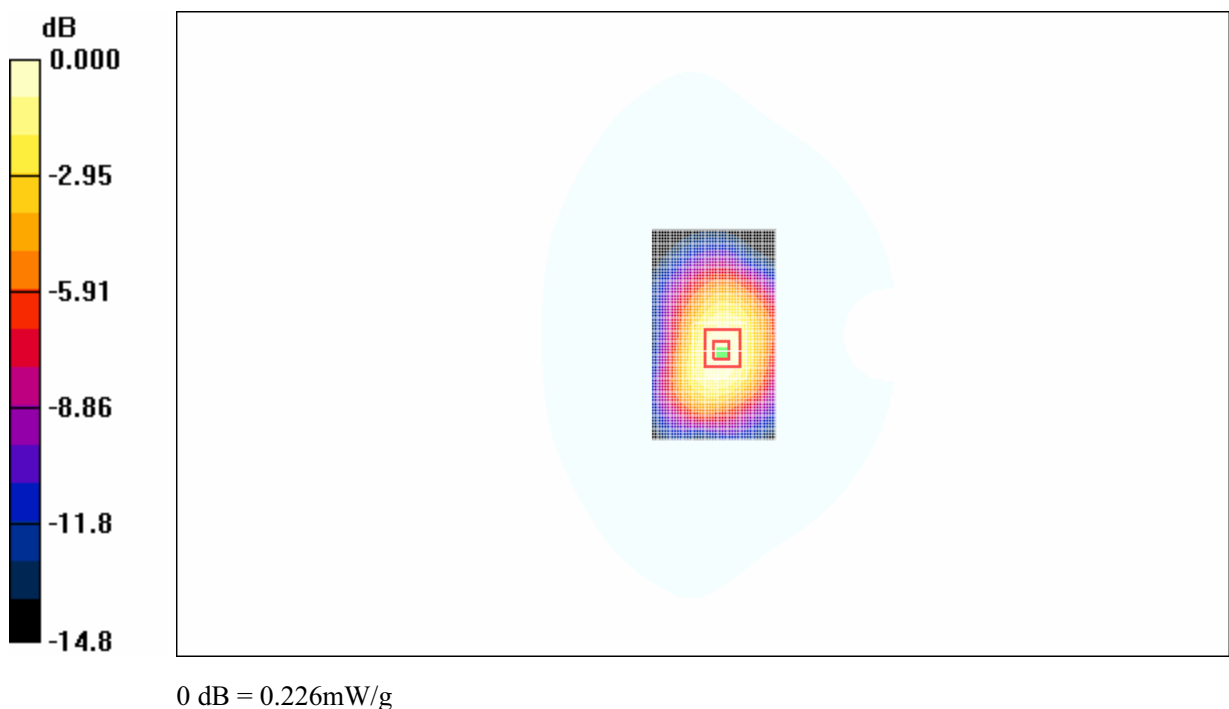


Fig. 49 PCS 1900MHz, Body, Towards Ground, CH512 (Flip closed)

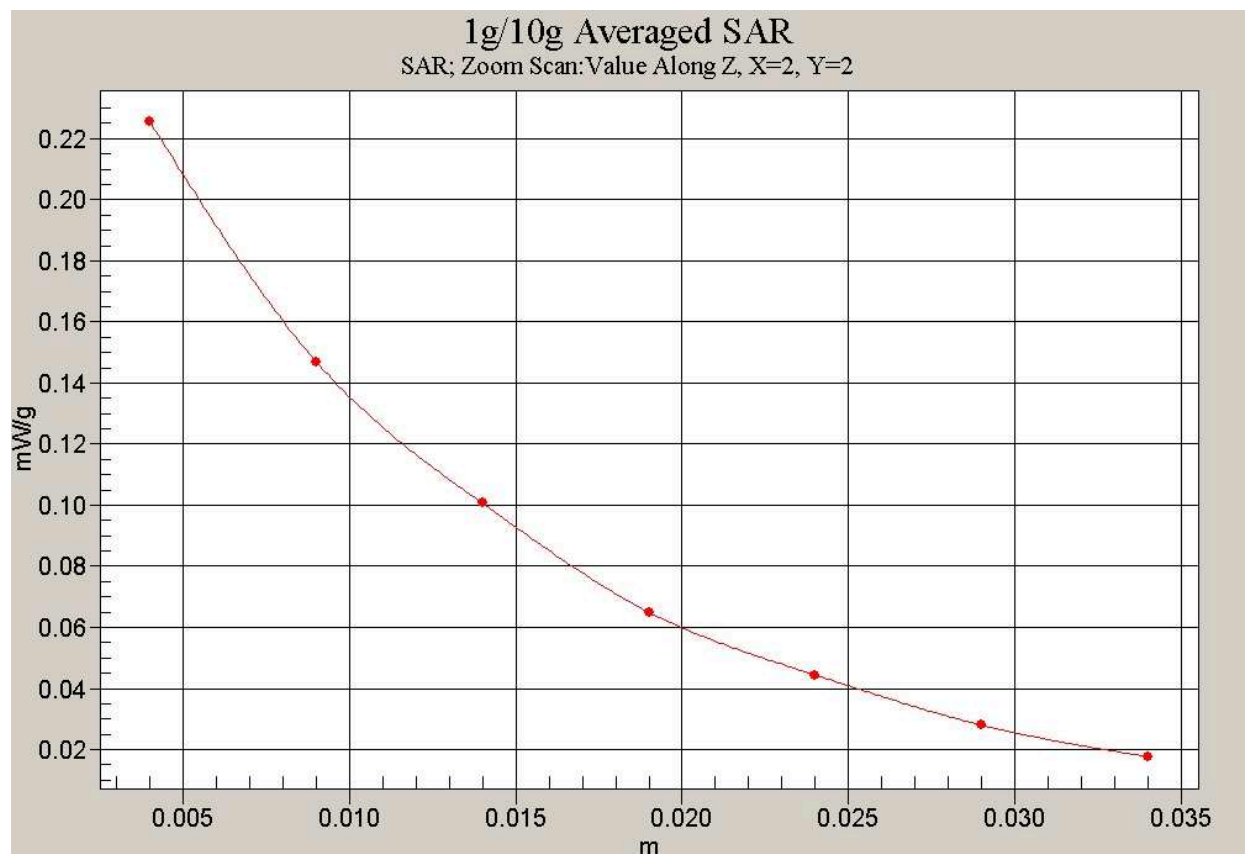


Fig. 50 Z-Scan at power reference point
(PCS 1900MHz, Body Towards Ground, CH512) (Flip closed)

1900 GPRS Body Toward Phantom High (Flip open)

Date/Time: 2006-11-25 12:36:29

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Phantom High/Area Scan (41x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

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

Reference Value = 4.07 V/m; Power Drift = -0.185 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.248 mW/g

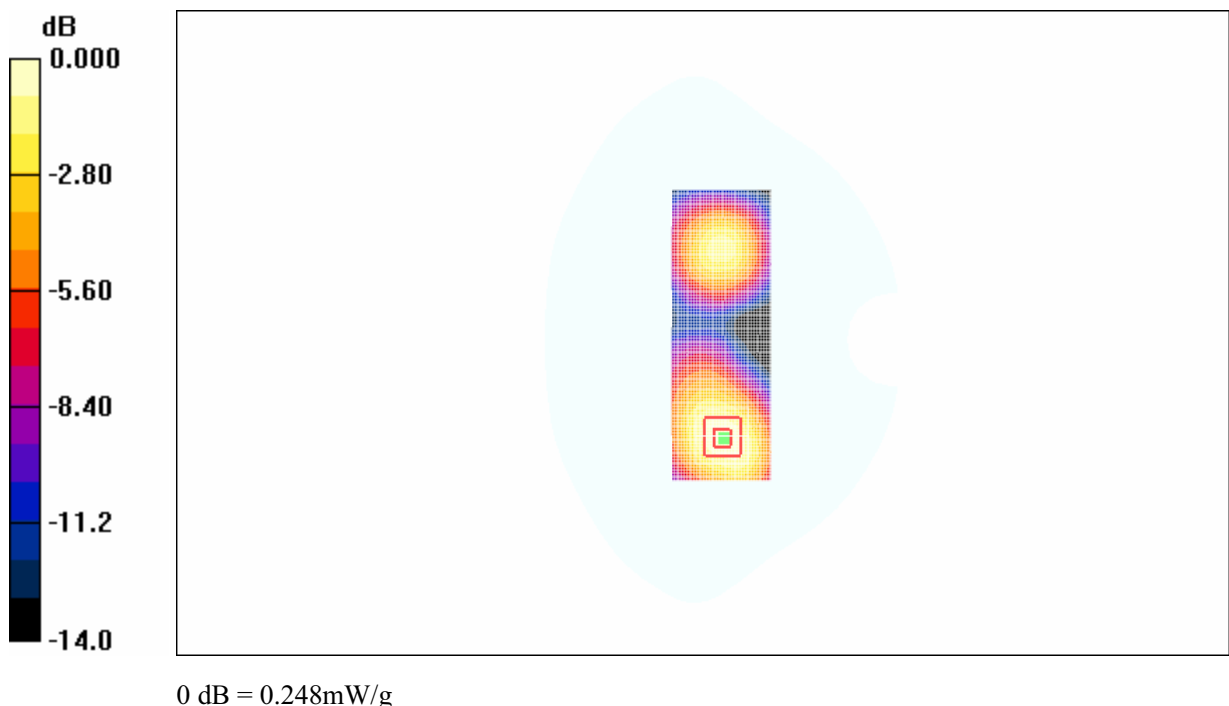


Fig. 51 PCS 1900MHz GPRS, Body, Towards Phantom, CH810 (Flip open)

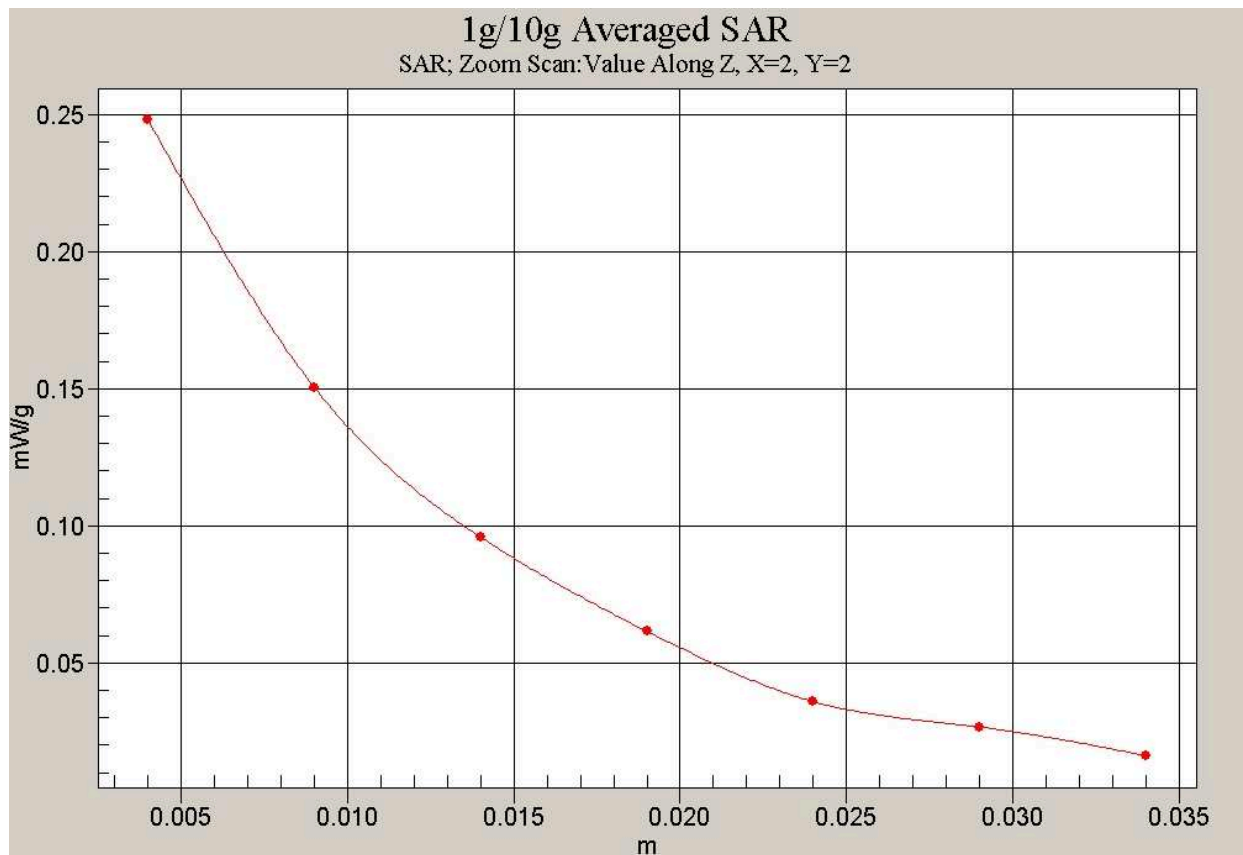


Fig. 52 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Phantom, CH810) (Flip open)

1900 GPRS Body Toward Phantom Middle (Flip open)

Date/Time: 2006-11-26 12:11:03

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Phantom Middle/Area Scan (41x111x1): Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 5.12 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.128 mW/g

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

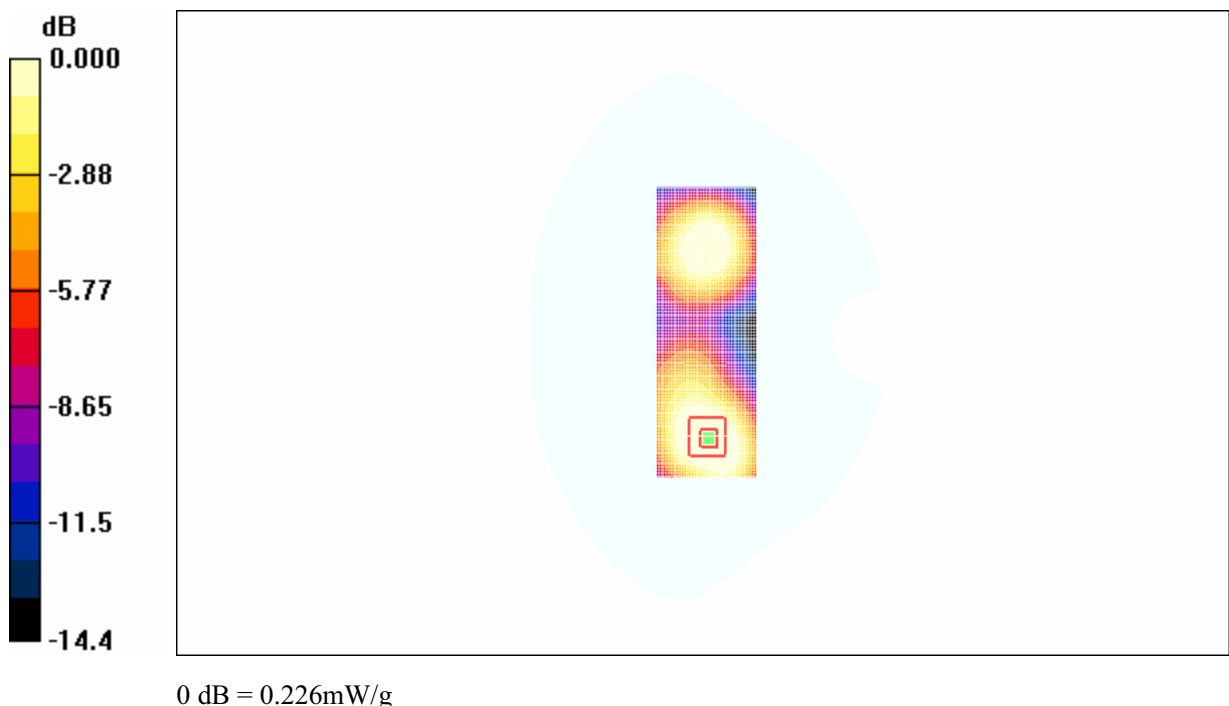


Fig. 53 PCS 1900MHz GPRS, Body, Towards Phantom, CH661 (Flip open)

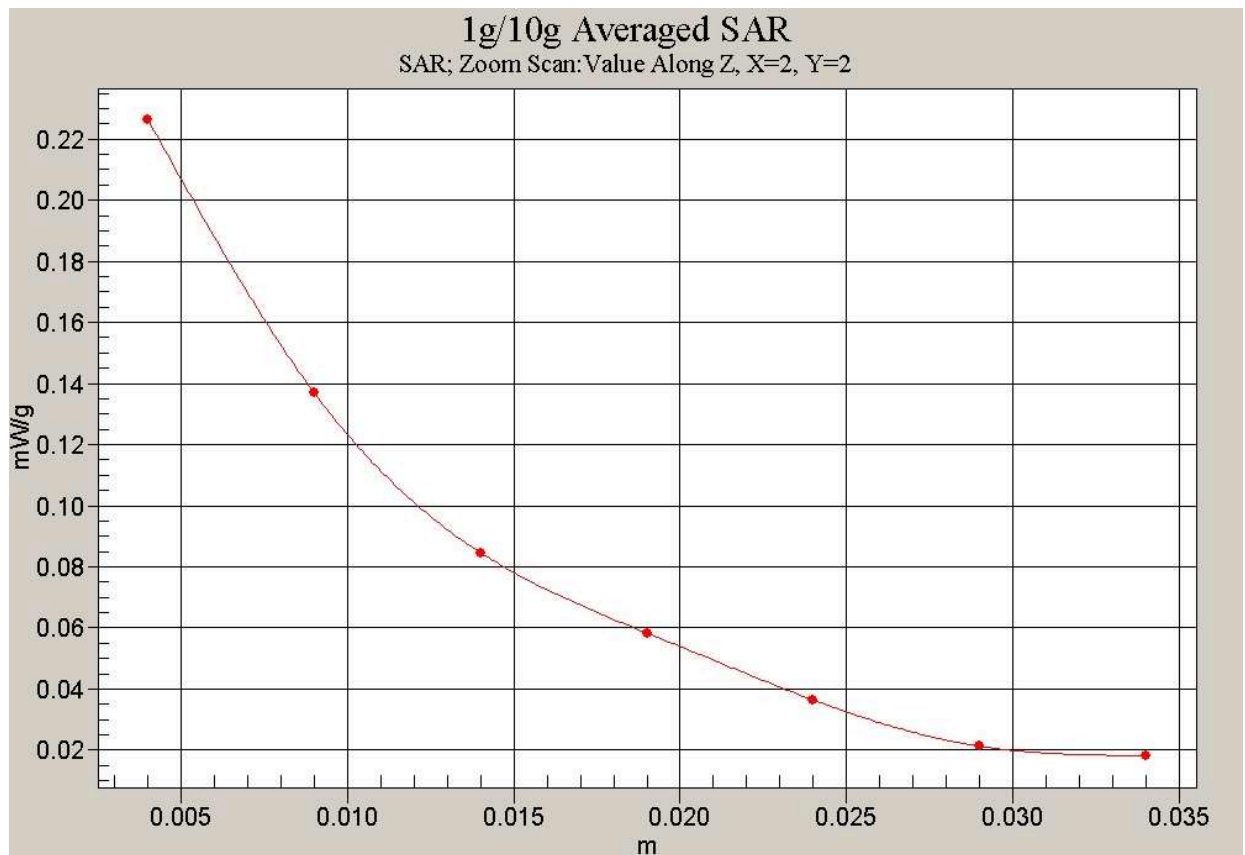


Fig. 54 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Phantom, CH661) (Flip open)

1900 GPRS Body Toward Phantom Low (Flip open)

Date/Time: 2006-11-25 13:51:33

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Phantom High/Area Scan (41x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.171 mW/g

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

Reference Value = 4.35 V/m; Power Drift = 0.157 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.099 mW/g

Maximum value of SAR (measured) = 0.166 mW/g

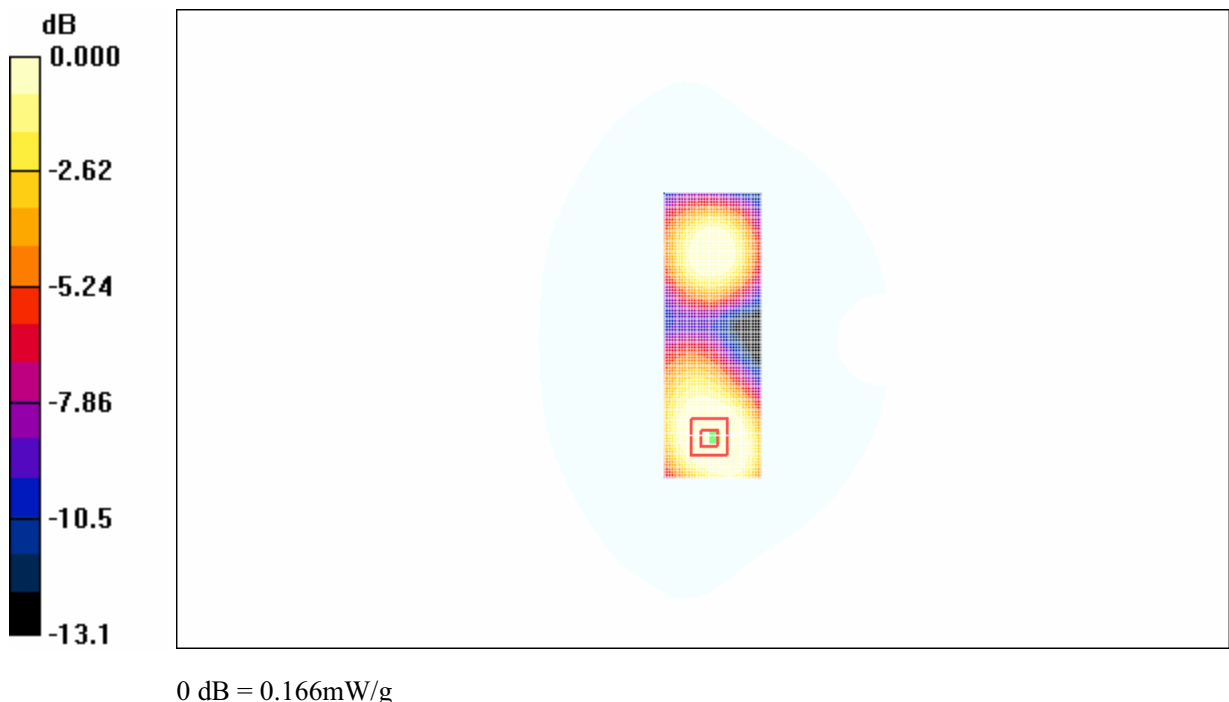


Fig. 55 PCS 1900MHz, Body, Towards Phantom, CH512 (Flip open)

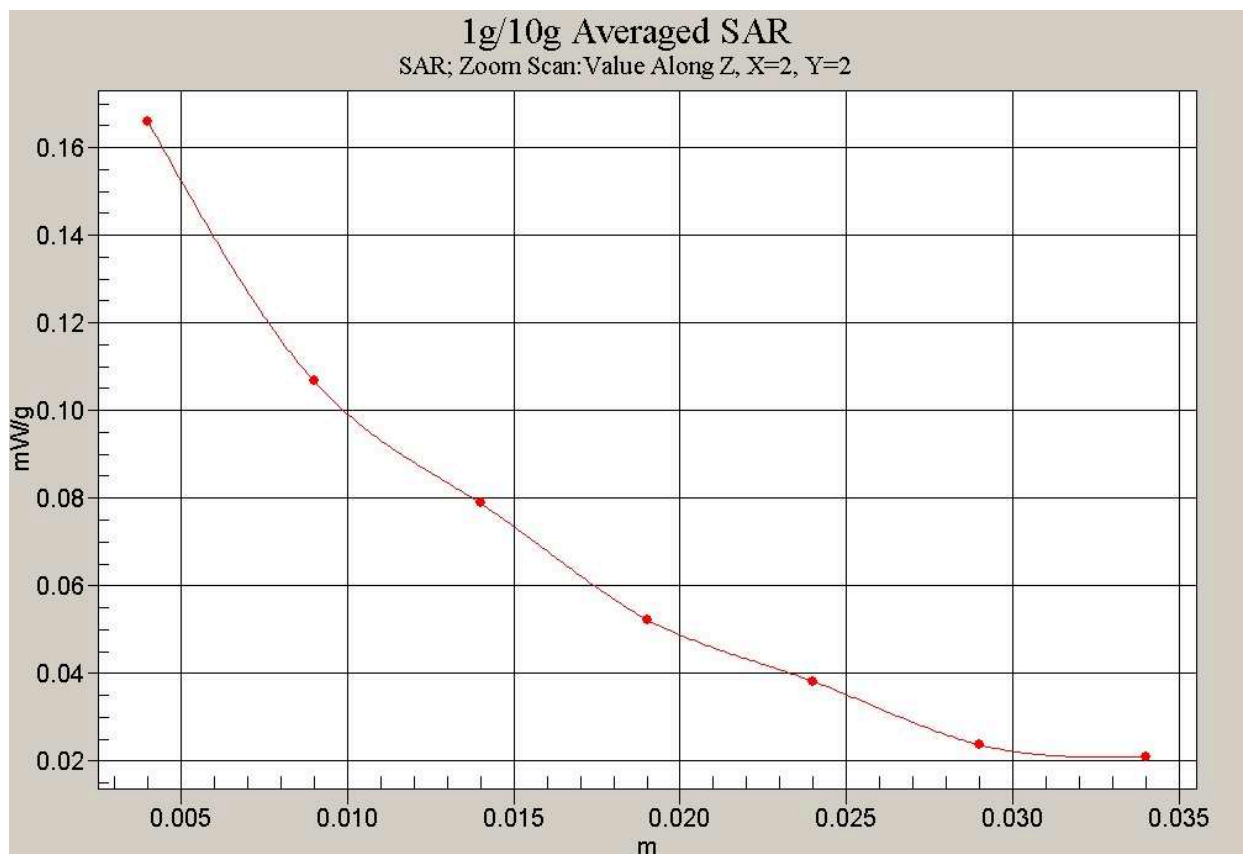


Fig. 56 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Phantom, CH512) (Flip open)

1900 GPRS Body Toward Ground High (Flip open)

Date/Time: 2006-11-25 14:48:46

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Ground High/Area Scan (41x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.401 mW/g

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

Reference Value = 6.26 V/m; Power Drift = -0.172 dB

Peak SAR (extrapolated) = 0.579 W/kg

SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.235 mW/g

Maximum value of SAR (measured) = 0.404 mW/g

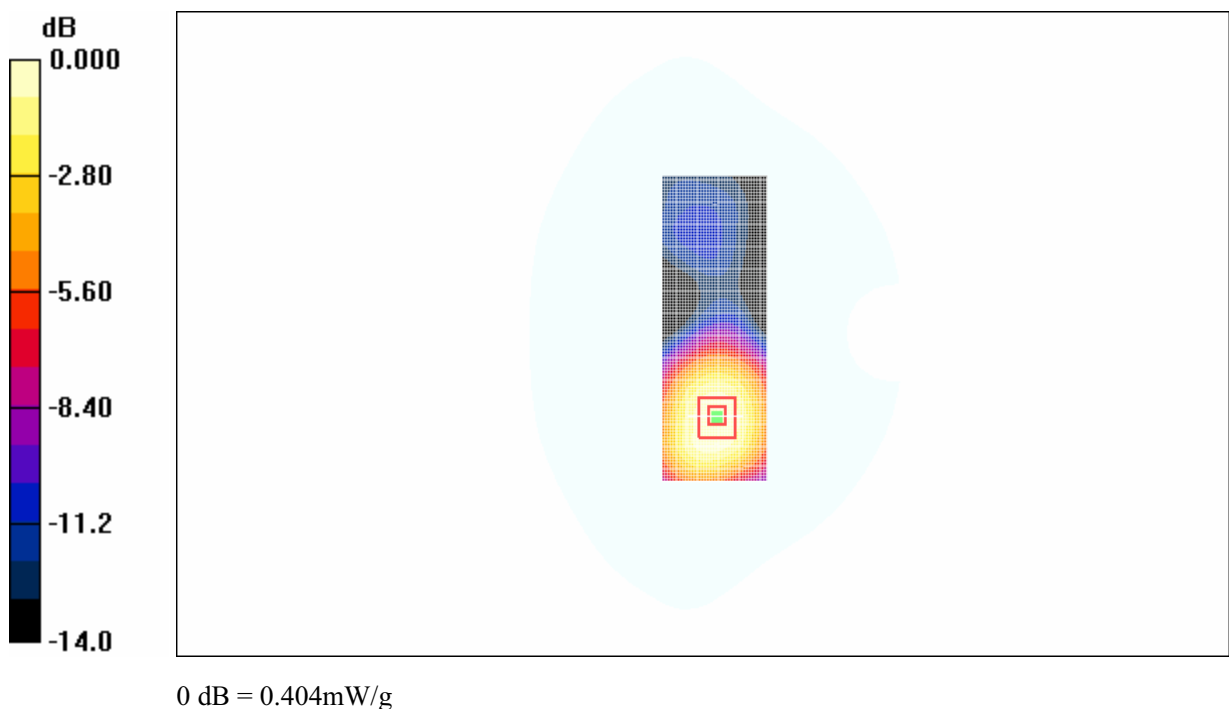


Fig. 57 PCS 1900MHz, Body, Towards Ground, CH810 (Flip open)

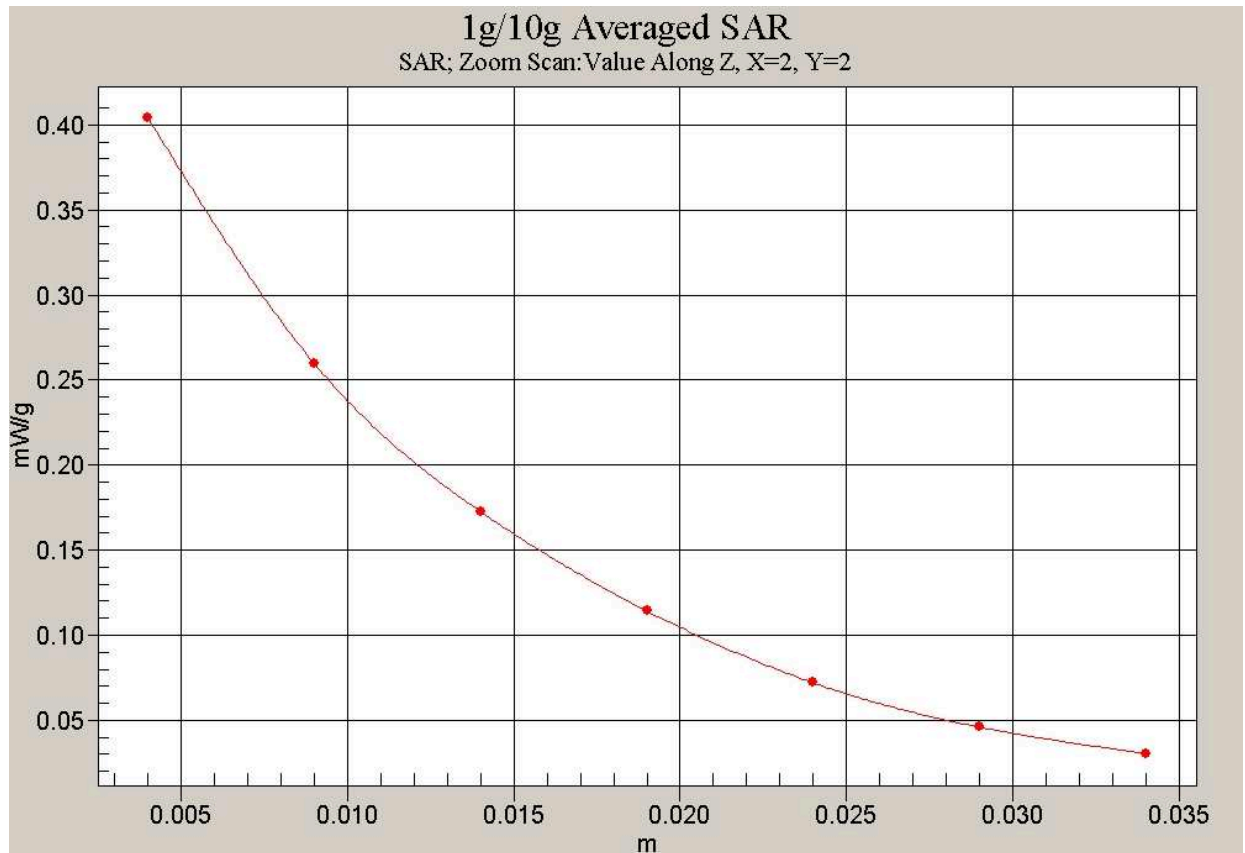


Fig. 58 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Ground, CH810) (Flip open)

1900 GPRS Body Toward Ground Middle (Flip open)

Date/Time: 2006-11-25 15:11:16

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Ground Middle/Area Scan (41x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

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

Reference Value = 6.22 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 0.568 W/kg

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.234 mW/g

Maximum value of SAR (measured) = 0.395 mW/g

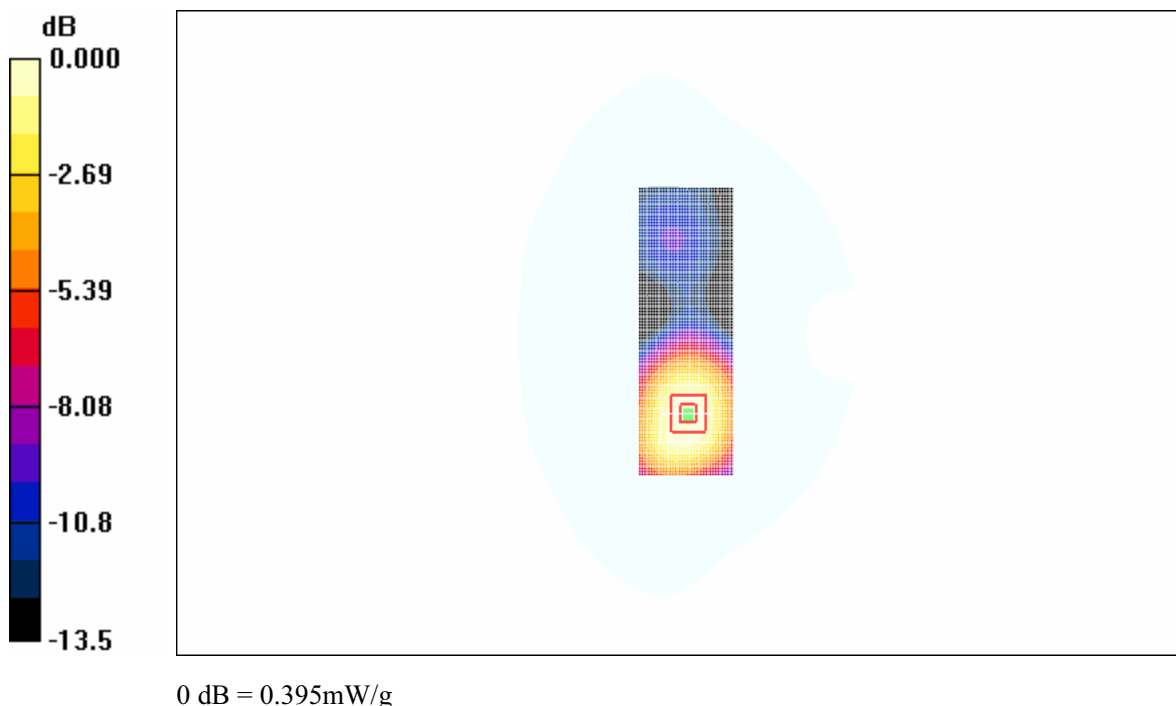


Fig. 59 PCS 1900MHz GPRS, Body, Towards Ground, CH661 (Flip open)

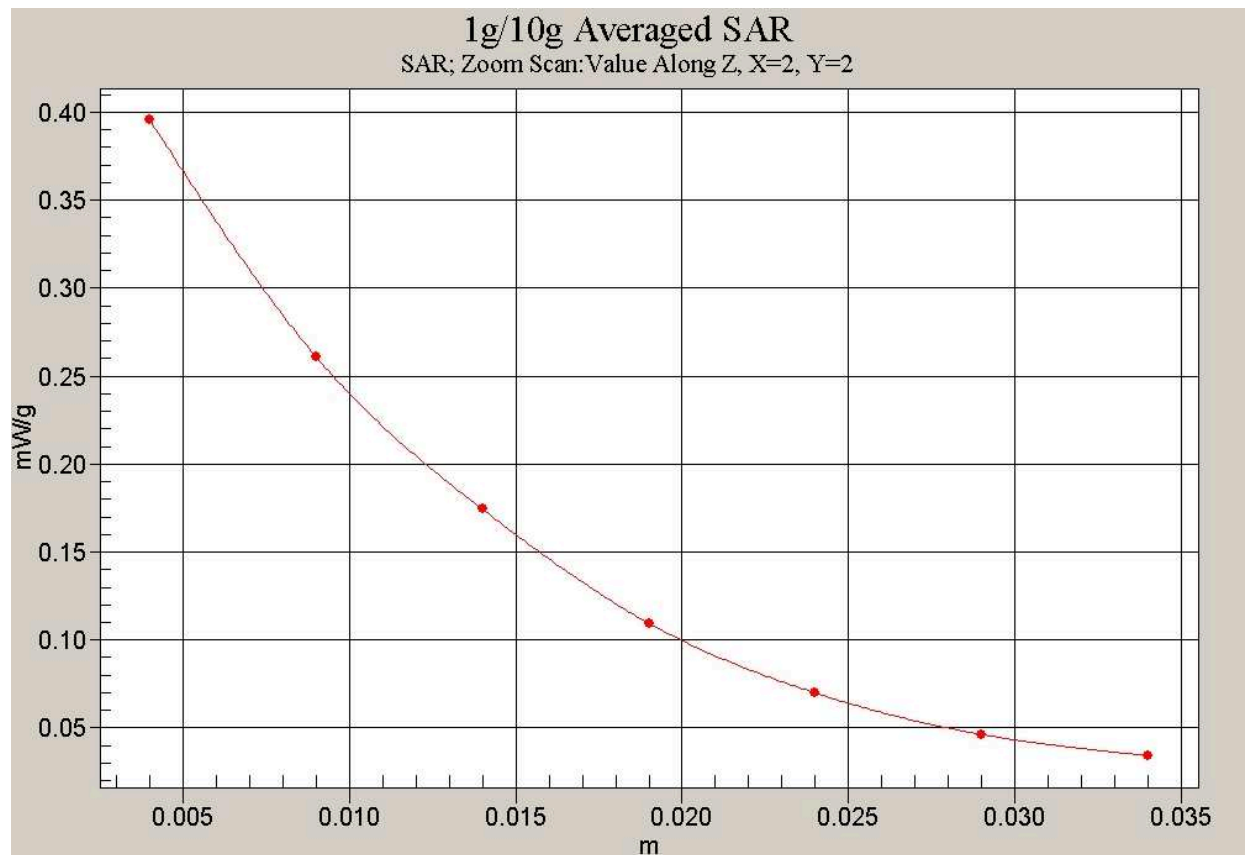


Fig. 60 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Ground, CH661) (Flip open)

1900 GPRS Body Toward Ground Low (Flip open)

Date/Time: 2006-11-25 15:40:01

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Ground Low/Area Scan (41x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.346 mW/g

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

Reference Value = 6.42 V/m; Power Drift = 0.175 dB

Peak SAR (extrapolated) = 0.510 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.212 mW/g

Maximum value of SAR (measured) = 0.355 mW/g

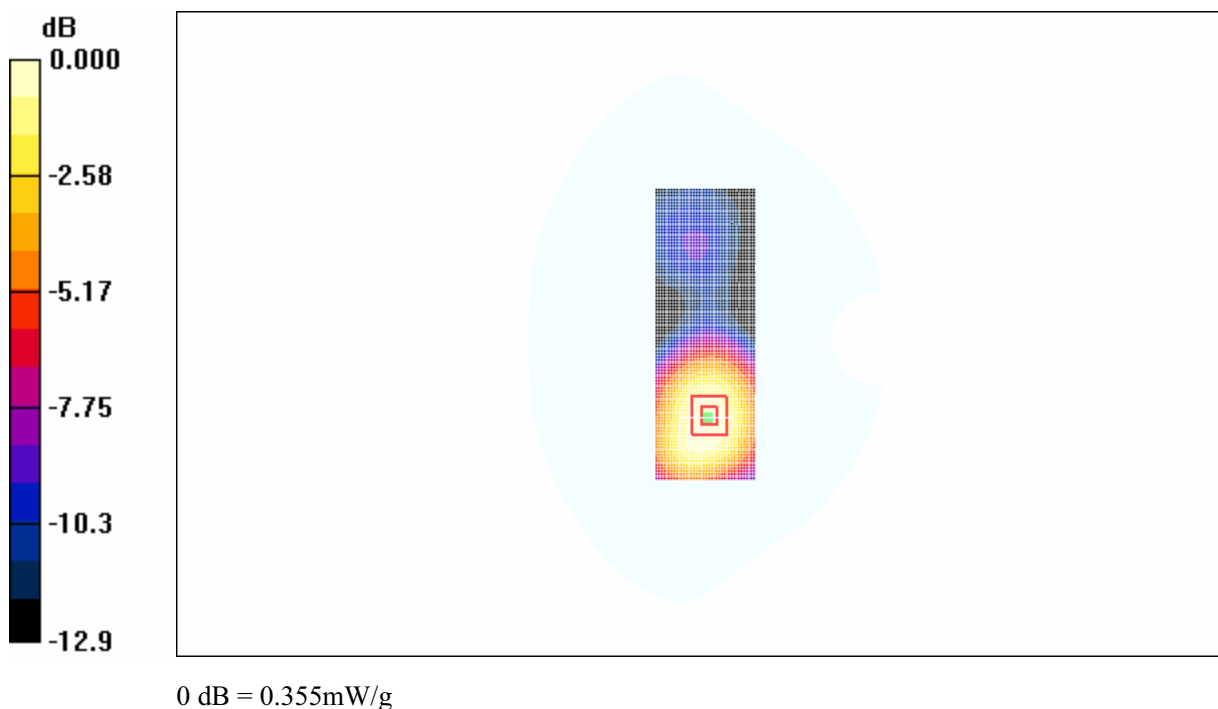


Fig. 61 PCS 1900MHz, Body, Towards Ground, CH512 (Flip open)

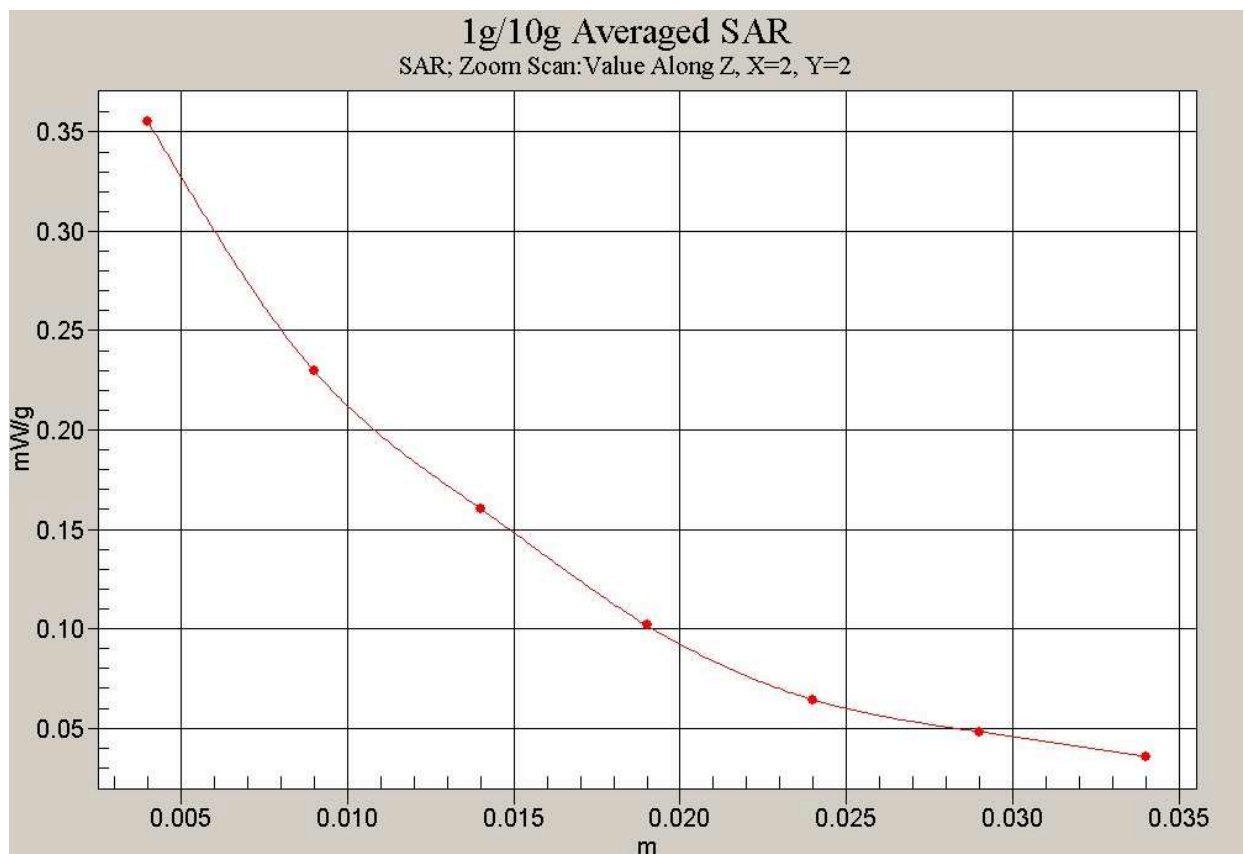


Fig. 62 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Ground, CH512) (Flip open)

1900 GPRS Body Toward Phantom High (Flip closed)

Date/Time: 2006-11-25 16:16:50

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Phantom High/Area Scan (51x81x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 0.135 mW/g

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

Reference Value = 7.37 V/m; Power Drift = 0.173 dB

Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.128 mW/g

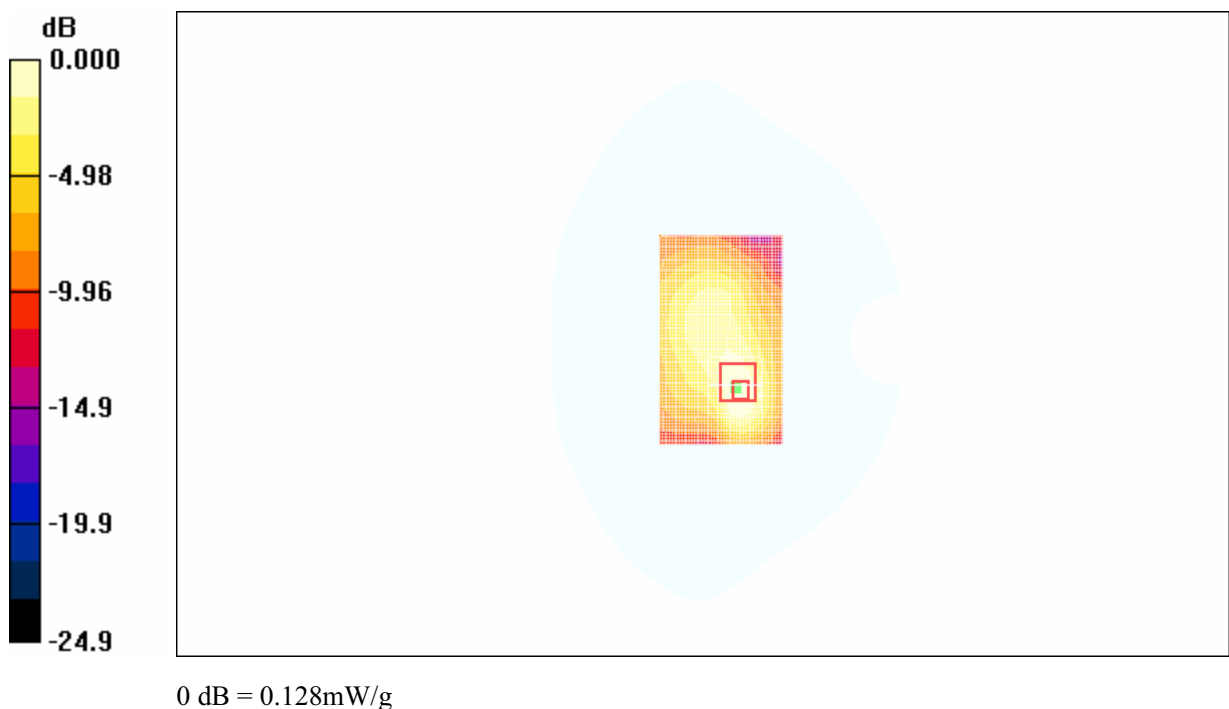


Fig. 63 PCS 1900MHz GPRS, Body, Towards Phantom, CH810 (Flip closed)

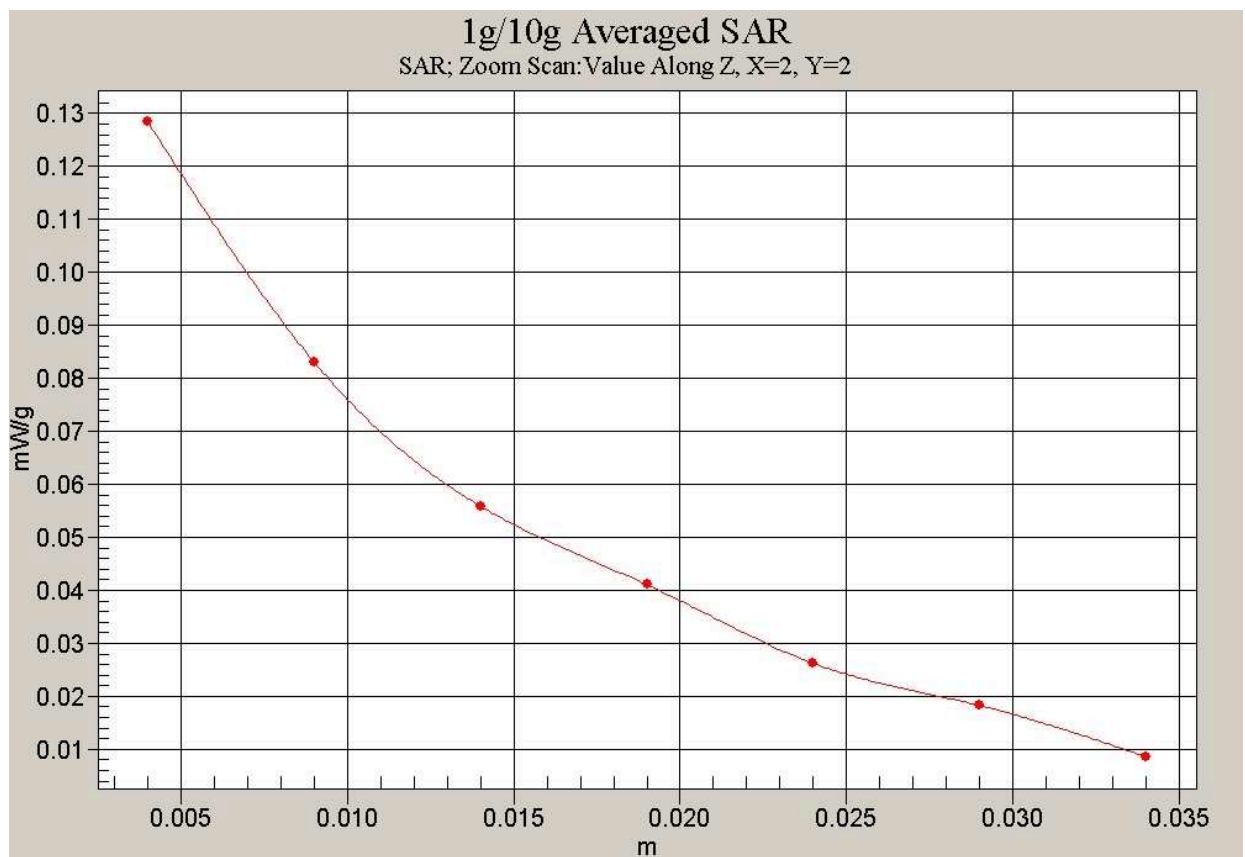


Fig. 64 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Phantom, CH810) (Flip closed)

1900 GPRS Body Toward Phantom Middle (Flip closed)

Date/Time: 2006-11-25 16:44:06

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

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

Maximum value of SAR (interpolated) = 0.115 mW/g

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

Reference Value = 7.21 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 0.198 W/kg

SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.067 mW/g

Maximum value of SAR (measured) = 0.128 mW/g

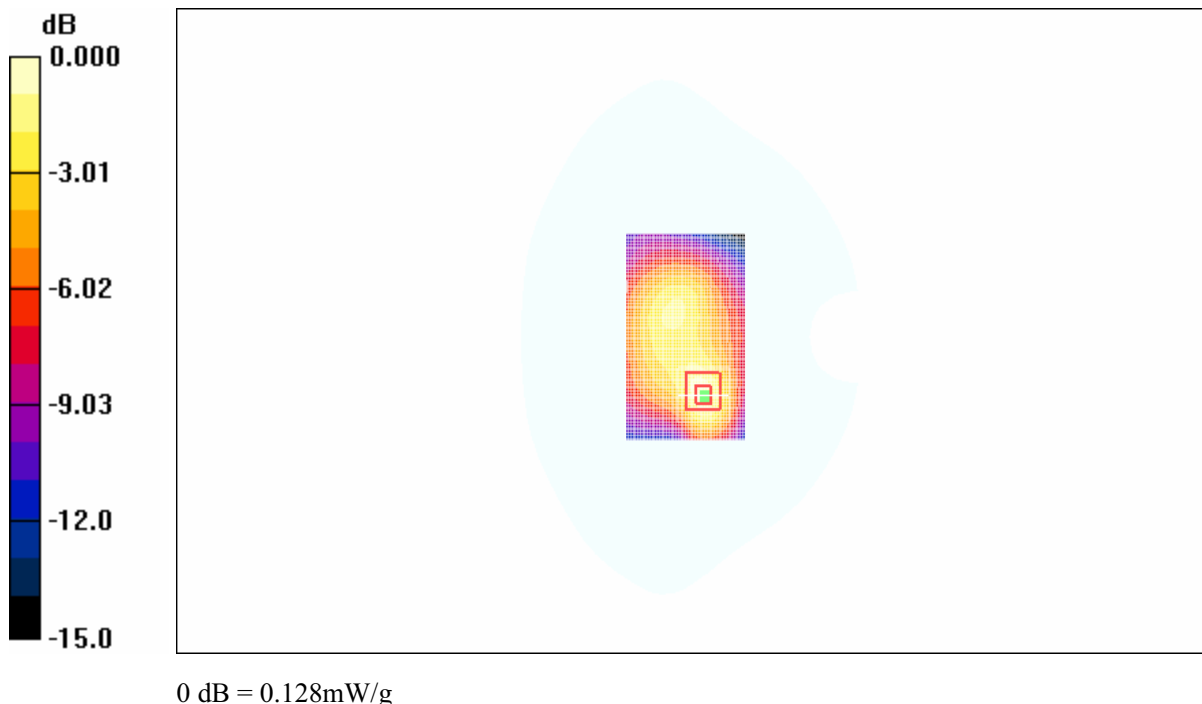


Fig. 65 PCS 1900MHz GPRS, Body, Towards Phantom, CH661 (Flip closed)

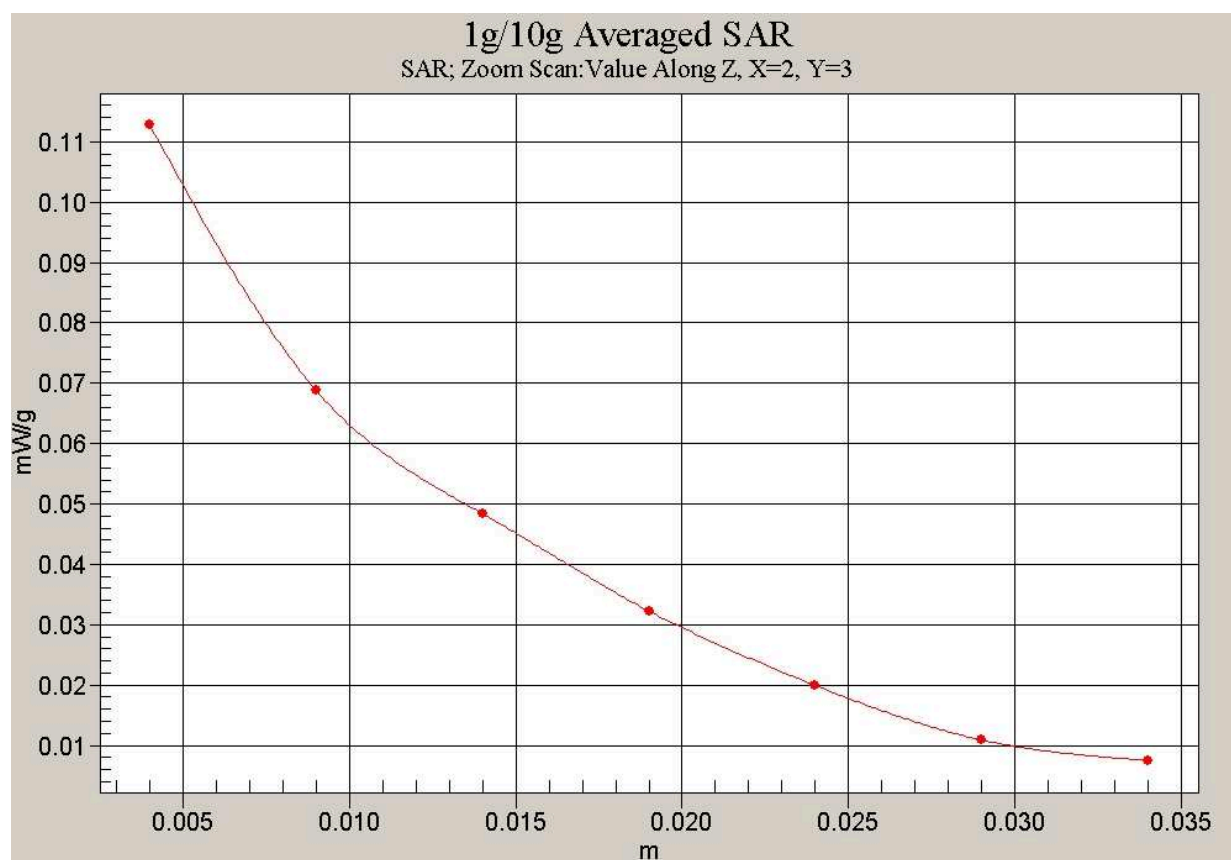


Fig. 66 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Phantom, CH661) (Flip closed)

1900 GPRS Body Toward Phantom Low (Flip closed)

Date/Time: 2006-11-25 17:14:35

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

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

Maximum value of SAR (interpolated) = 0.095 mW/g

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

Reference Value = 7.33 V/m; Power Drift = 0.200 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.055 mW/g

Maximum value of SAR (measured) = 0.090 mW/g

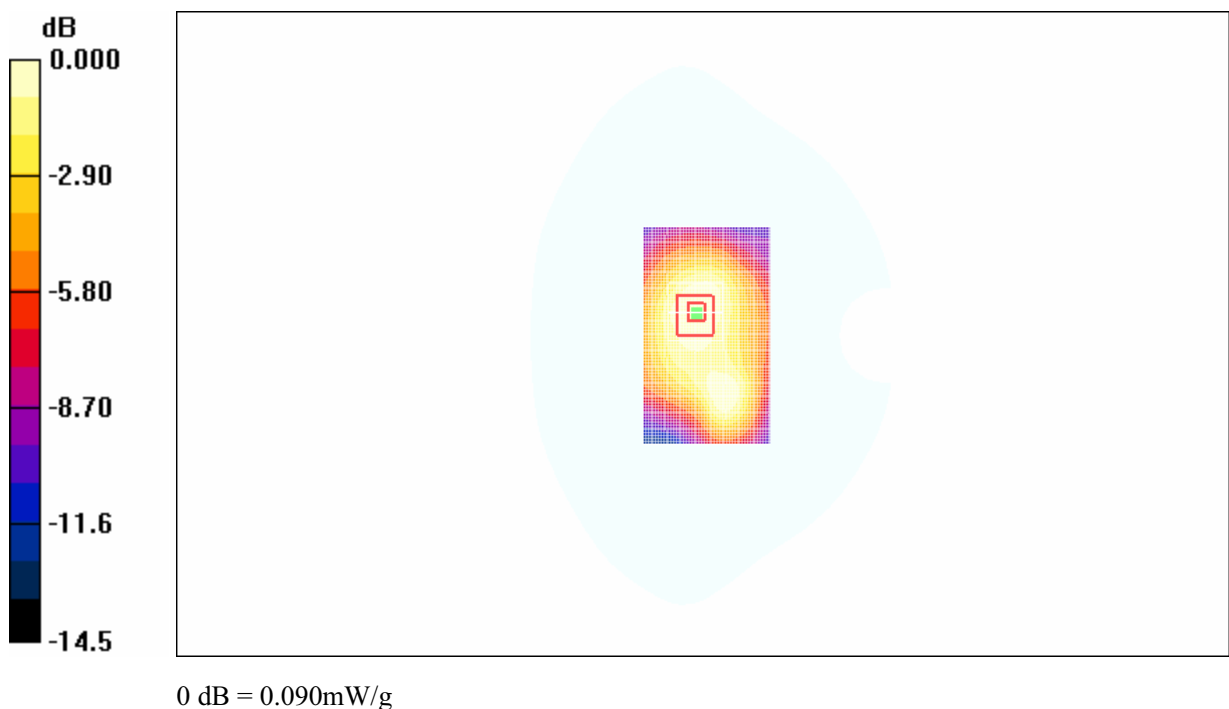


Fig. 67 PCS 1900MHz, Body, Towards Phantom, CH512 (Flip closed)

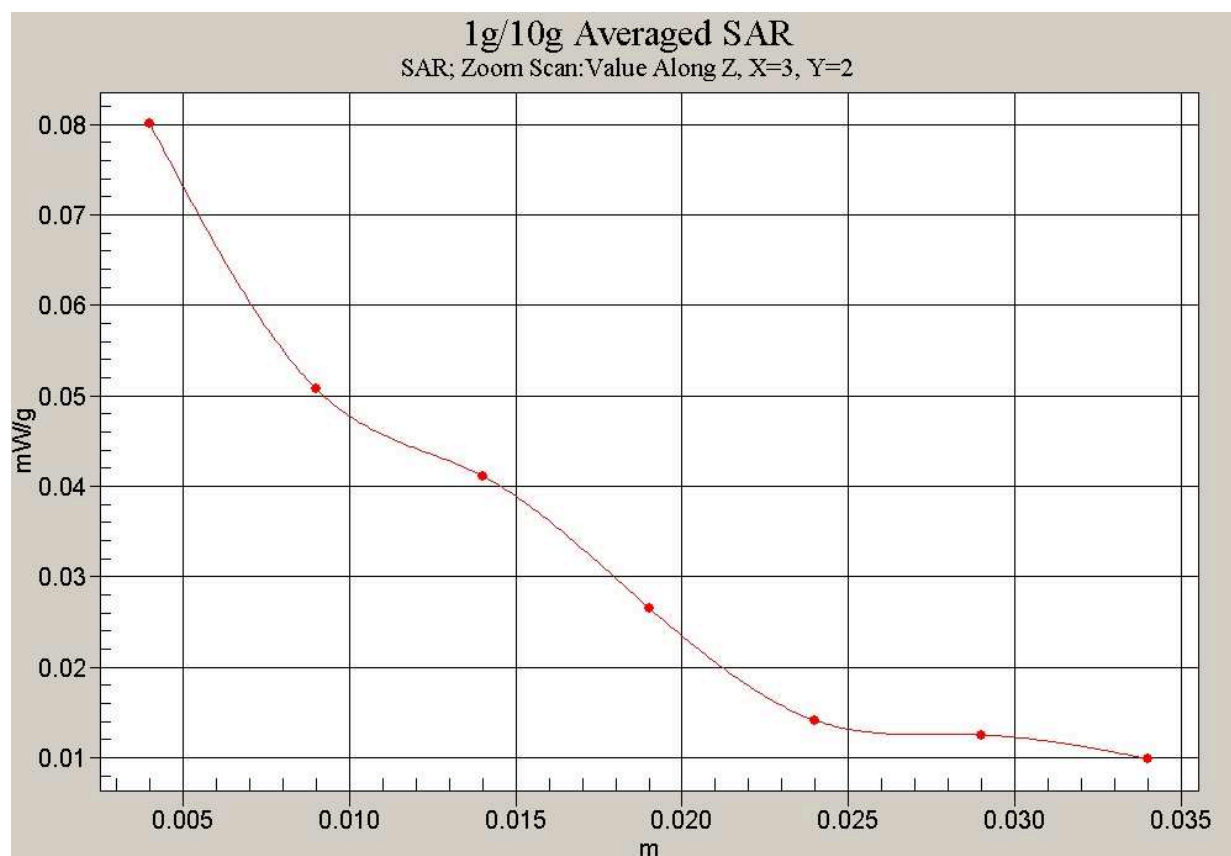


Fig. 68 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Phantom, CH512) (Flip closed)

1900 GPRS Body Toward Ground High (Flip closed)

Date/Time: 2006-11-25 17:52:13

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

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

Maximum value of SAR (interpolated) = 0.459 mW/g

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

Reference Value = 16.7 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.623 W/kg

SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.266 mW/g

Maximum value of SAR (measured) = 0.447 mW/g

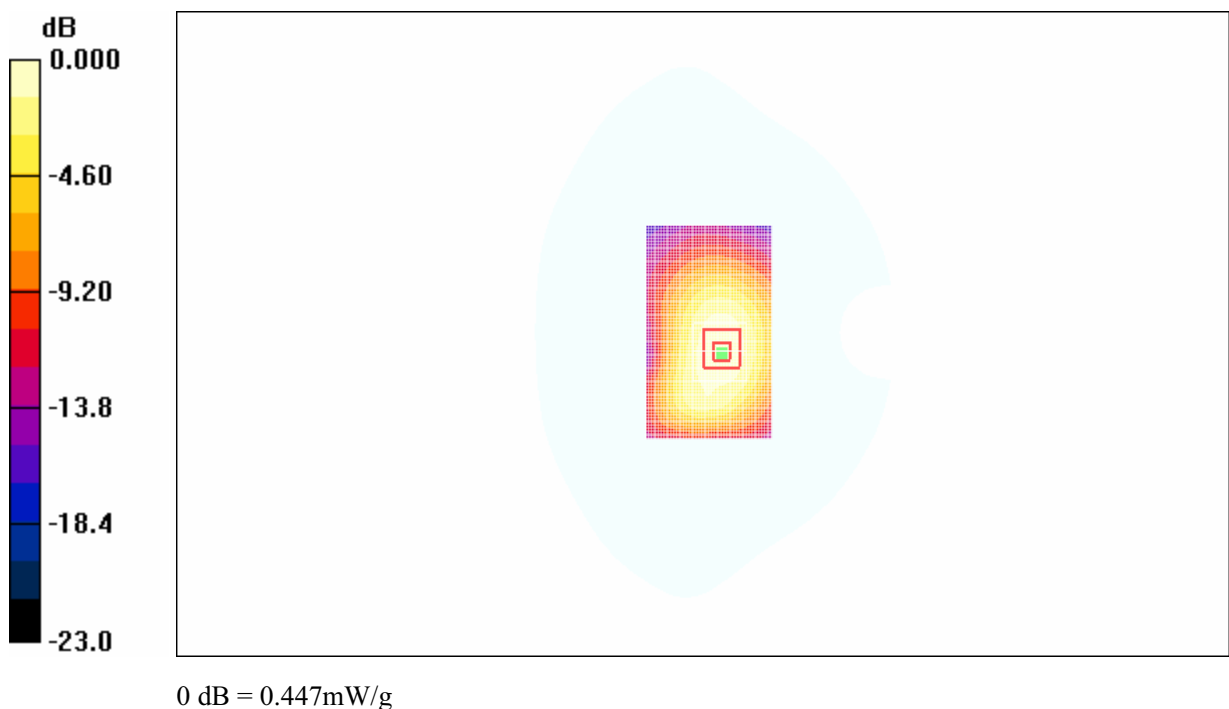


Fig. 69 PCS 1900MHz, Body, Towards Ground, CH810 (Flip closed)

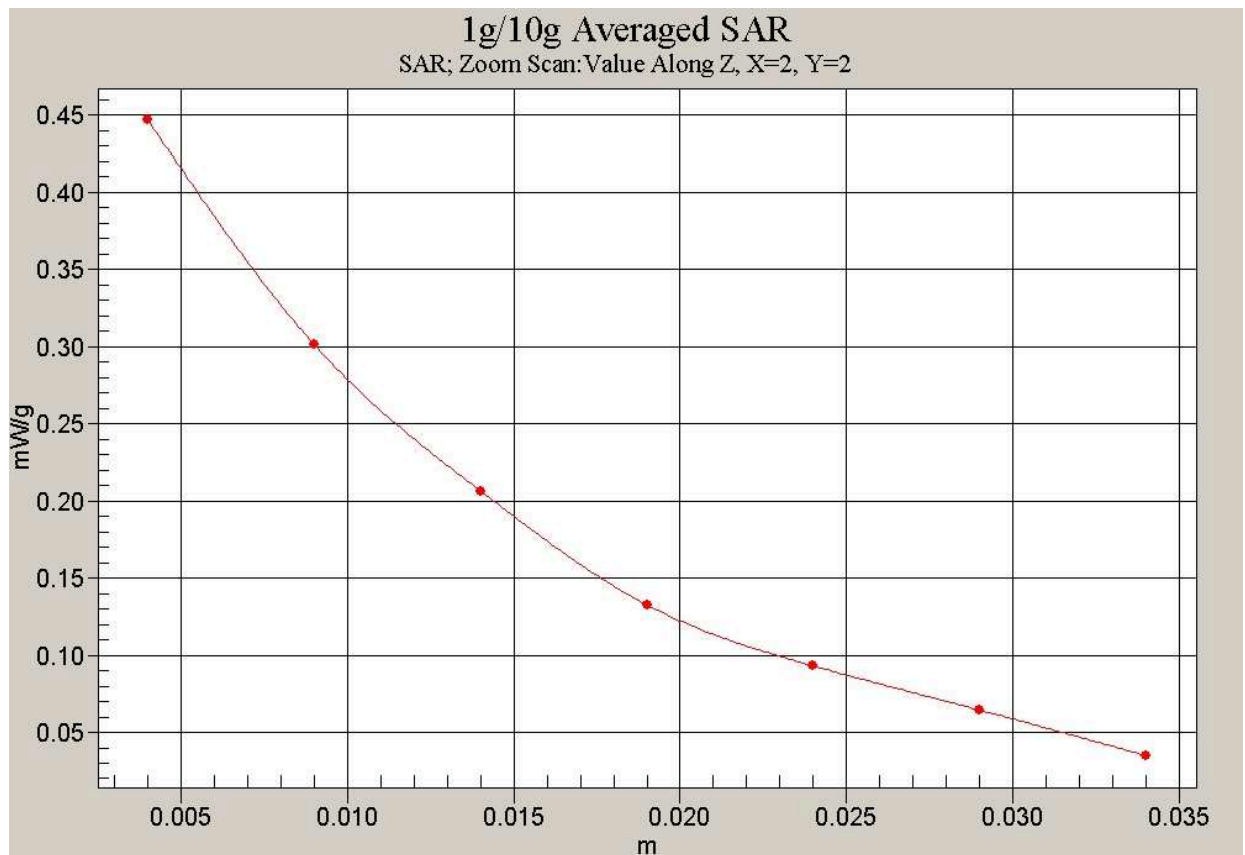


Fig. 70 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Ground, CH810) (Flip closed)

1900 GPRS Body Toward Ground Middle (Flip closed)

Date/Time: 2006-11-25 18:24:44

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

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

Maximum value of SAR (interpolated) = 0.440 mW/g

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

Reference Value = 16.6 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.621 W/kg

SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 0.442 mW/g

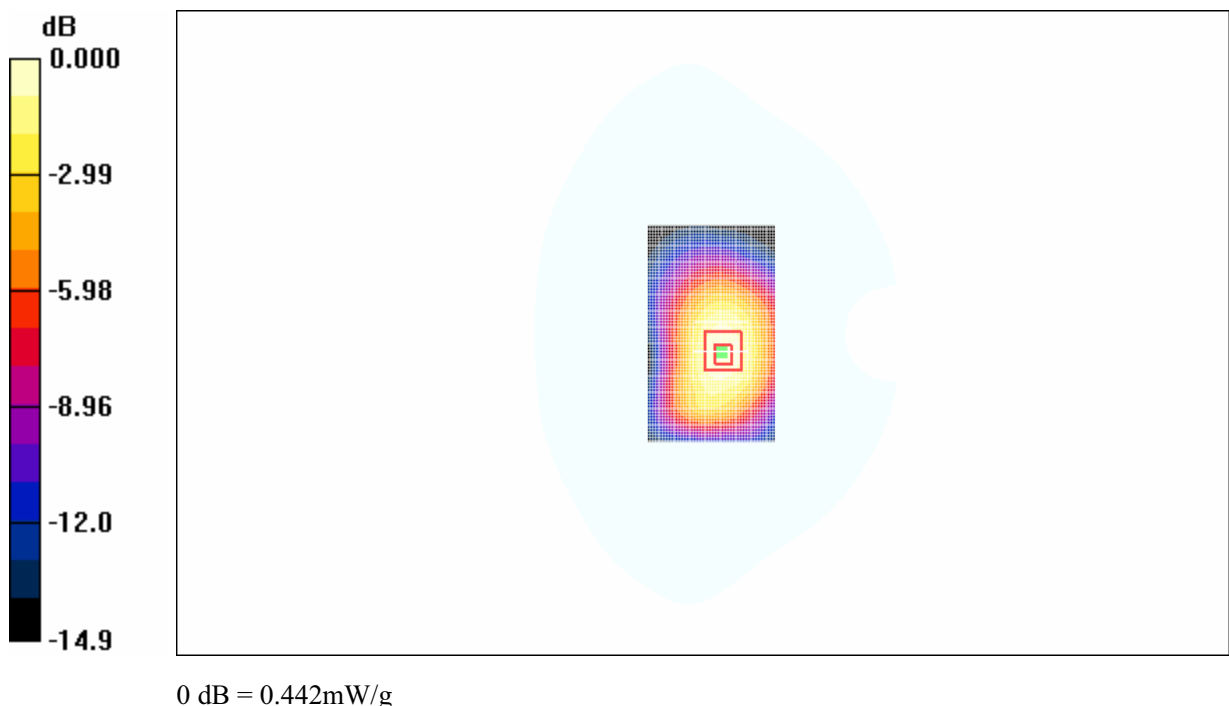


Fig. 71 PCS 1900MHz GPRS, Body, Towards Ground, CH661 (Flip closed)

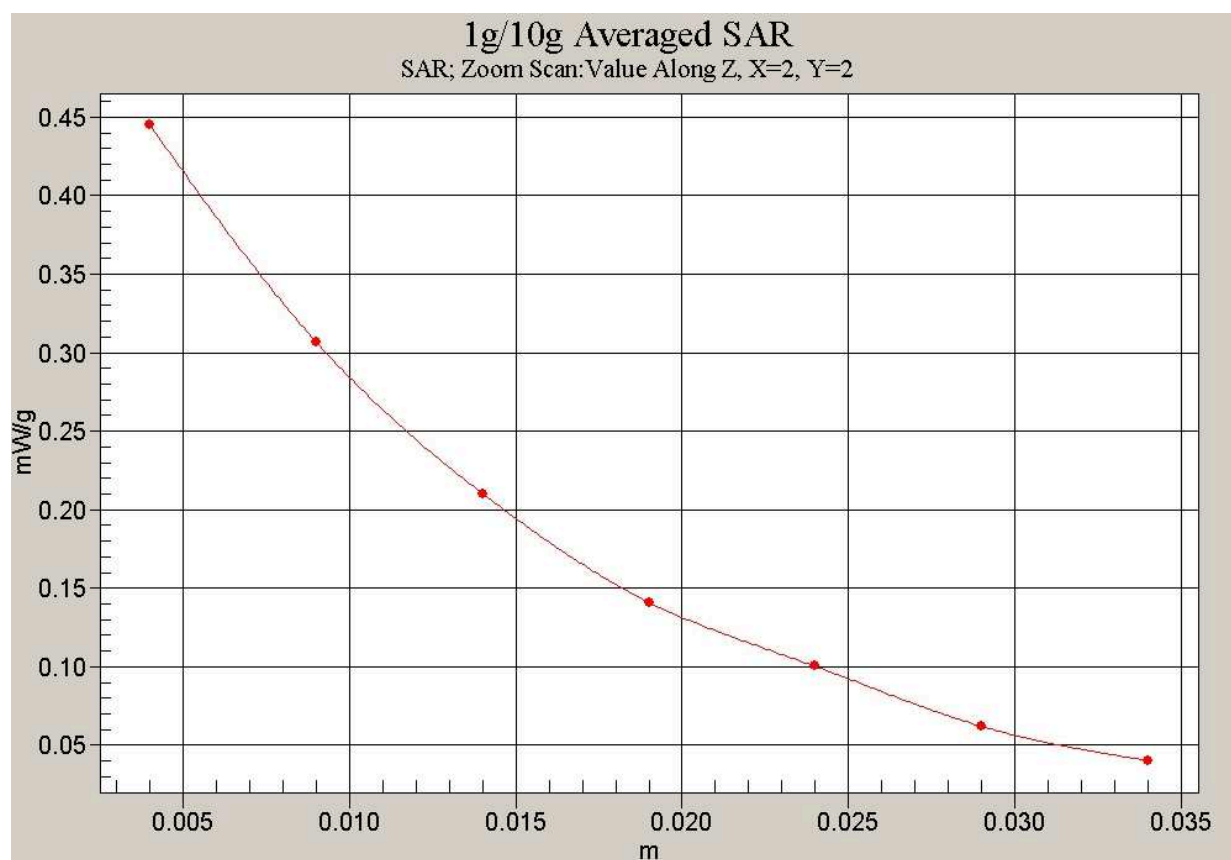


Fig. 72 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Ground, CH661) (Flip closed)

1900 GPRS Body Toward Ground Low (Flip closed)

Date/Time: 2006-11-25 18:51:22

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Ground Low/Area Scan (41x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.377 mW/g

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

Reference Value = 15.7 V/m; Power Drift = -0.200 dB

Peak SAR (extrapolated) = 0.545 W/kg

SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.224 mW/g

Maximum value of SAR (measured) = 0.373 mW/g

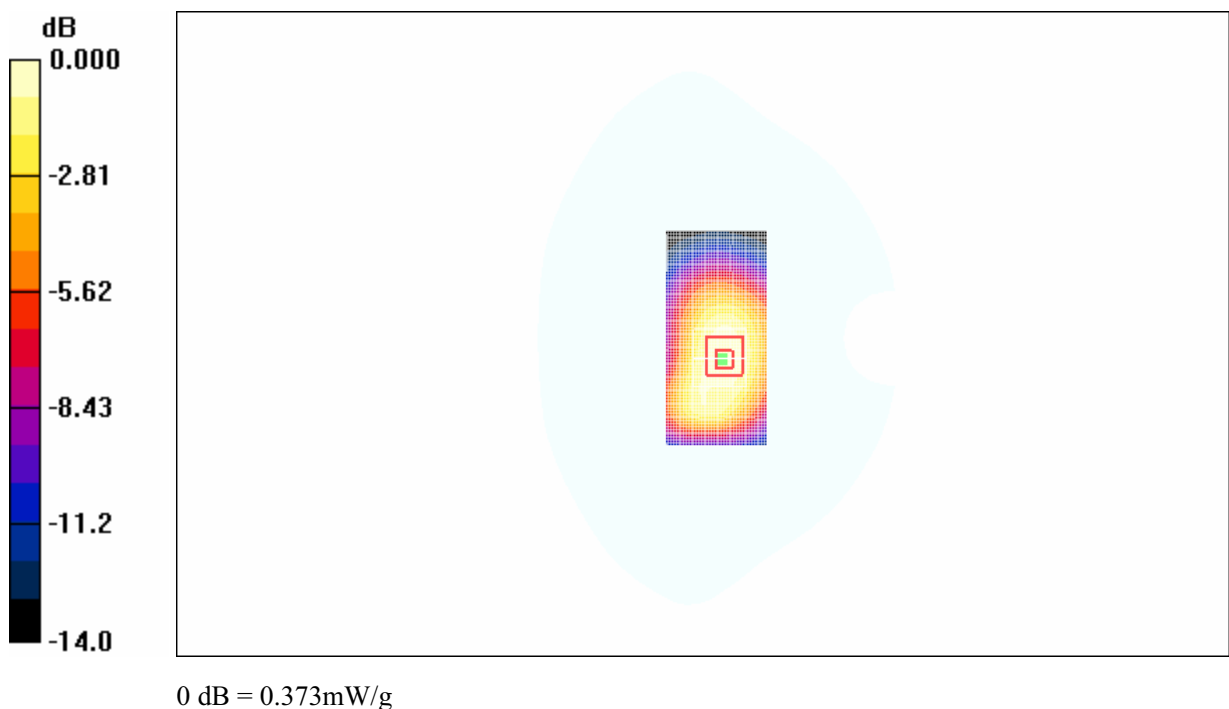


Fig. 73 PCS 1900MHz, Body, Towards Ground, CH512 (Flip closed)

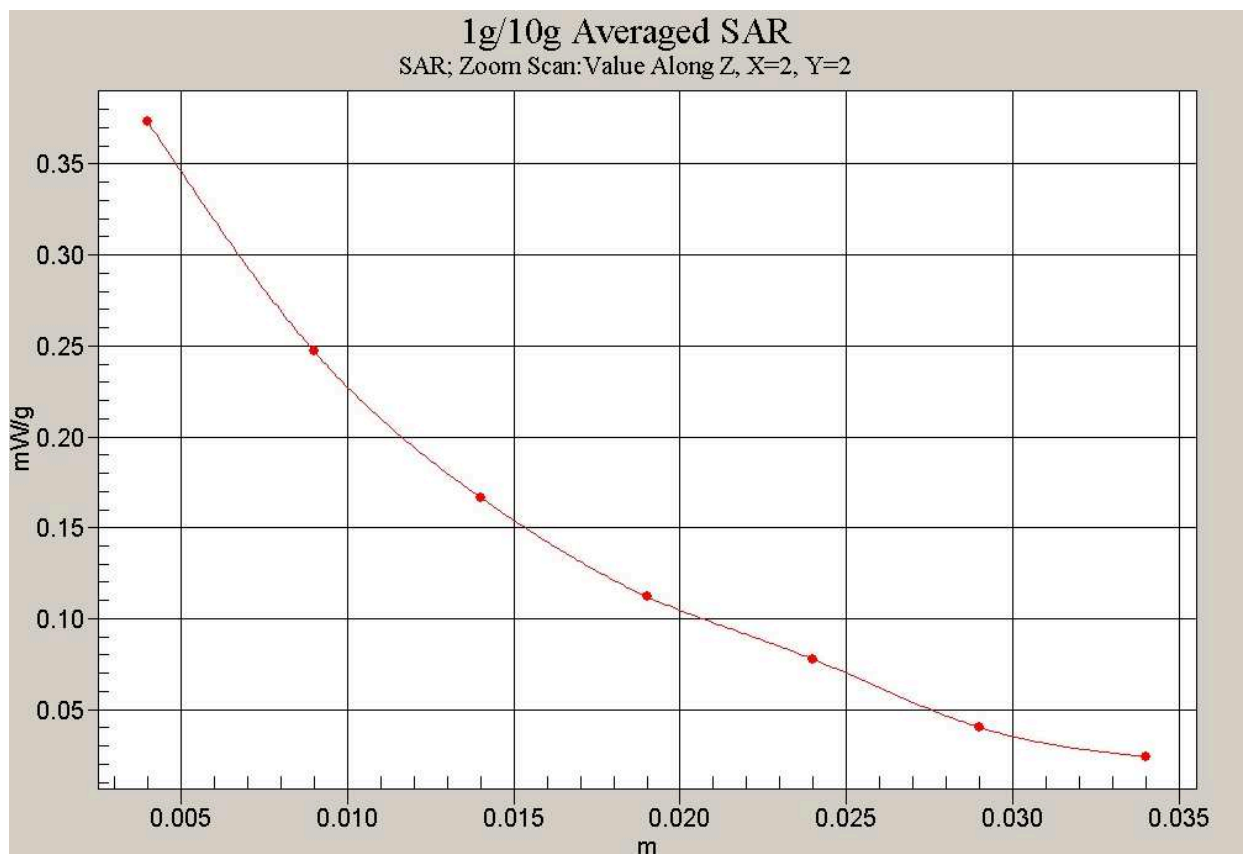


Fig. 74 Z-Scan at power reference point
(PCS 1900MHz GPRS, Body Towards Ground, CH512) (Flip closed)

1900 Left Cheek Low with Bluetooth

Date/Time: 2006-11-3 18:24:21

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

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

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

Cheek Low/Area Scan (51x111x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.264 mW/g

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

Reference Value = 7.79 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.255 mW/g



0 dB = 0.255mW/g

Fig. 75 Left Hand Touch Cheek with Bluetooth PCS 1900MHz CH512

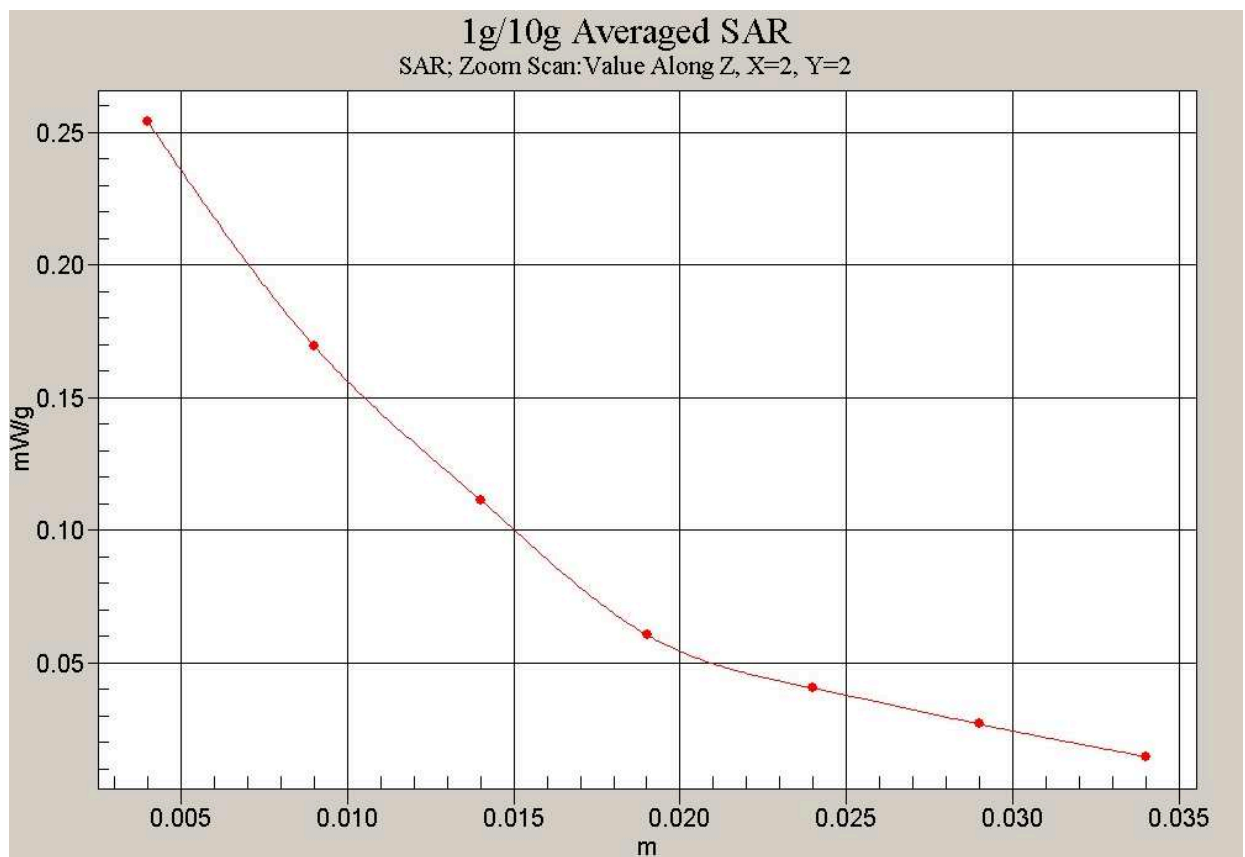


Fig. 76 Z-Scan at power reference point (PCS 1900MHz CH512 with Bluetooth)

1900 Body GPRS Toward Phantom High with Bluetooth (flip open)

Date/Time: 2006-11-25 19:36:49

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

Toward Phantom High/Area Scan (41x111x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

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

Reference Value = 4.08 V/m; Power Drift = 0.116 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.139 mW/g

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

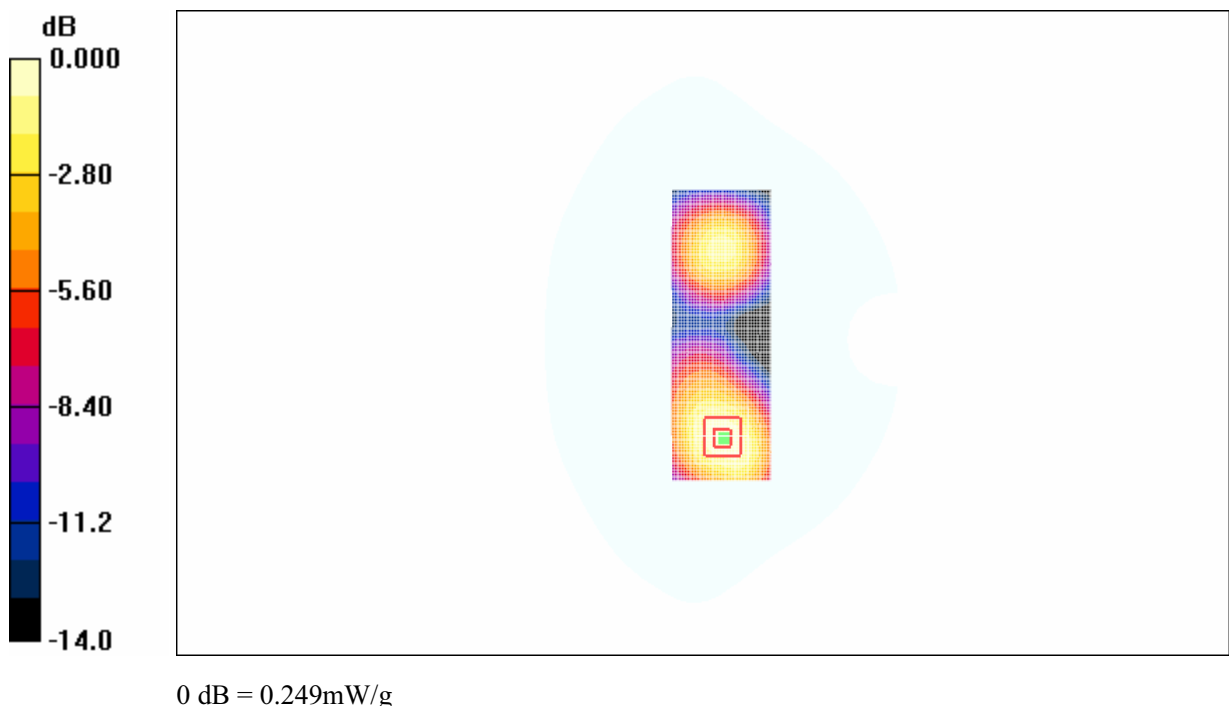


Fig. 77 PCS 1900MHz GPRS, Body with Bluetooth, Towards Phantom, CH810 (Flip open)

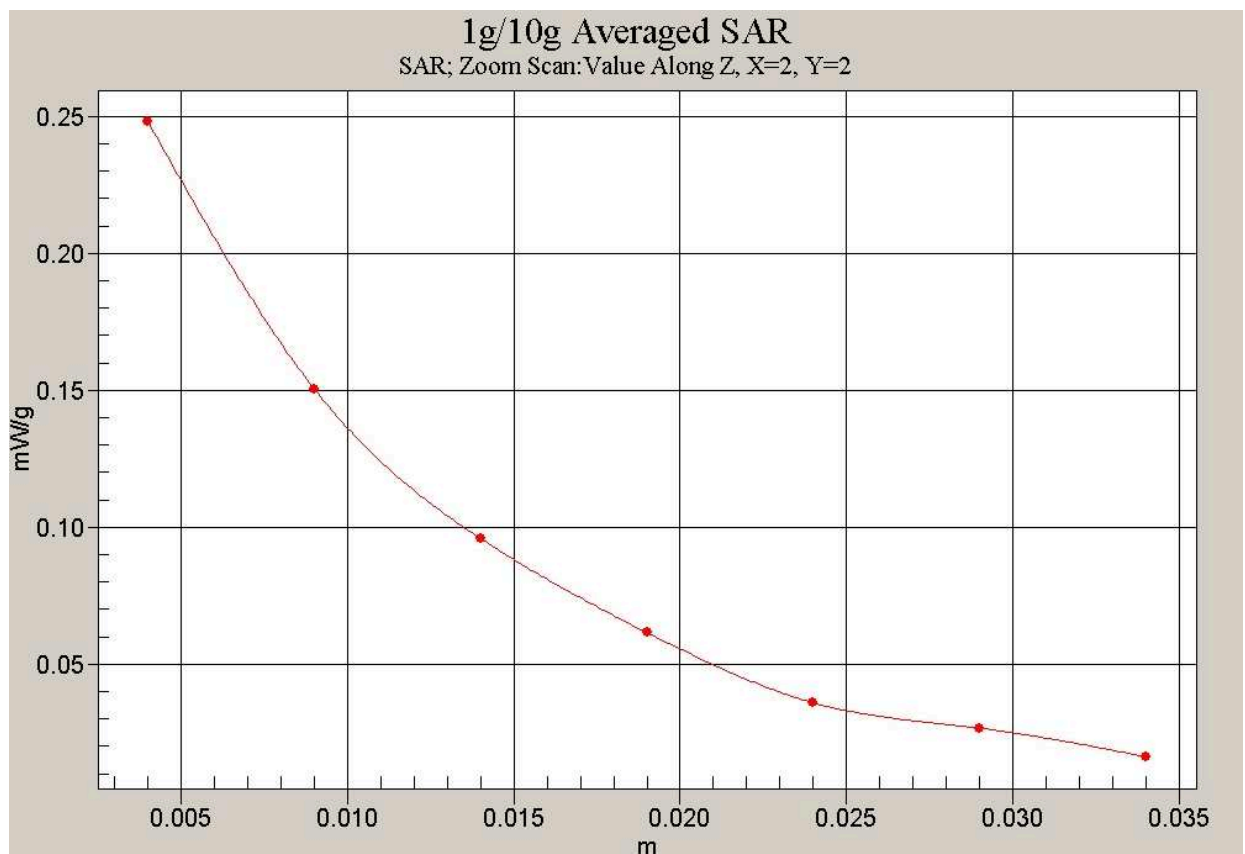


Fig. 78 Z-Scan at power reference point (PCS 1900MHz GPRS, Body with Bluetooth, Towards Phantom, CH810) (Flip open)

1900 GPRS Body Toward Ground High with Bluetooth (Flip closed)

Date/Time: 2006-11-25 19:59:11

Electronics: DAE3 Sn536

Medium: Body 1900

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 55.6$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

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

Probe: ET3DV6 - SN1736 ConvF(4.88, 4.88, 4.88)

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

Maximum value of SAR (interpolated) = 0.463 mW/g

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

Reference Value = 16.8V/m; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 0.624 W/kg

SAR(1 g) = 0.415 mW/g; SAR(10 g) = 0.267 mW/g

Maximum value of SAR (measured) = 0.448 mW/g

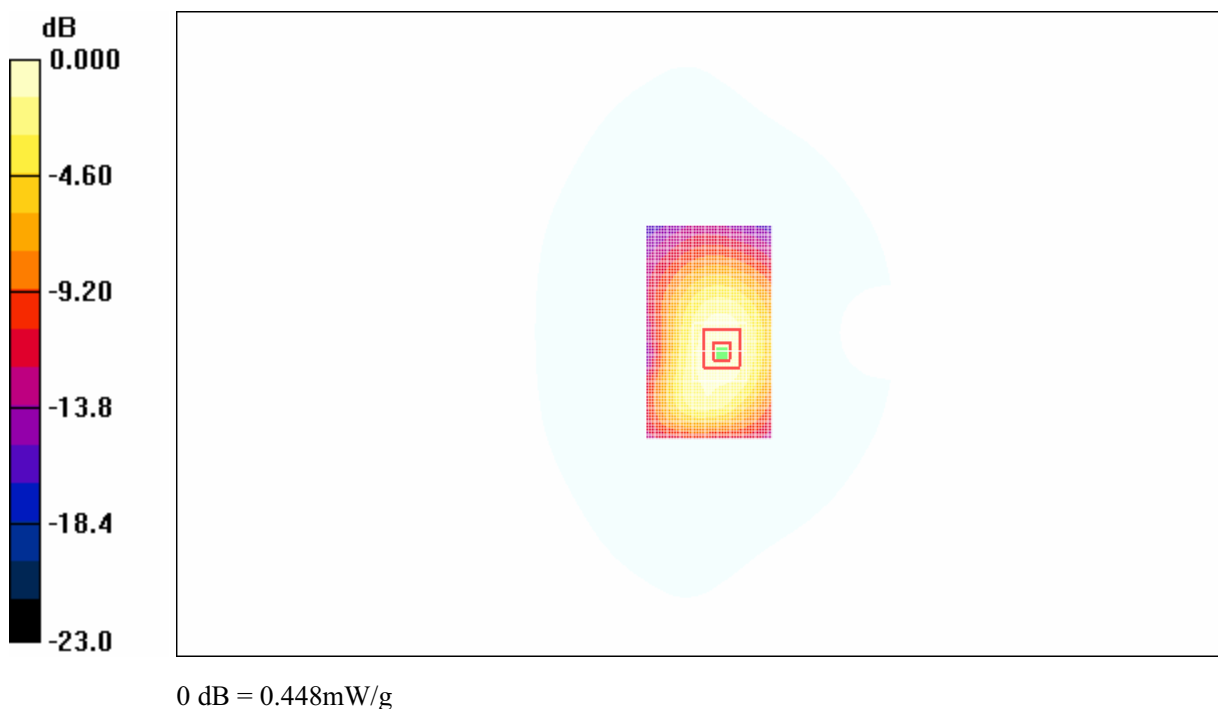


Fig. 79 PCS 1900MHz GPRS, Body with Bluetooth, Towards Ground, CH810 (Flip closed)

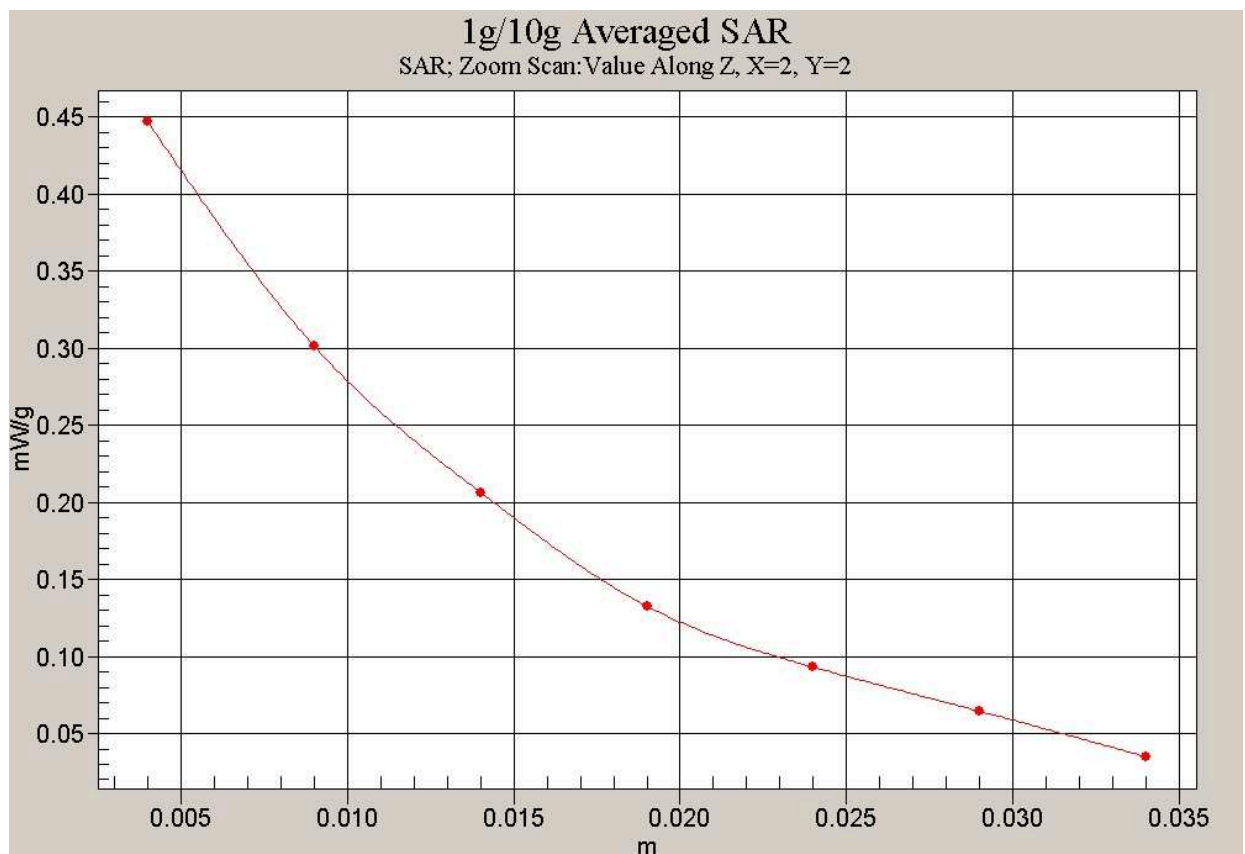


Fig. 80 Z-Scan at power reference point (PCS 1900MHz GPRS, Body with Bluetooth, Towards Ground, CH810) (Flip closed)

ANNEX D SYSTEM VALIDATION RESULTS

1900MHzDAE536Probe1736

Date/Time: 2006-11-3 08:47:37

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

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

Communication System: CW Frequency: 1900 MHz Duty Cycle: 1:1

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

System Validation/Area Scan (101x101x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 11.2 mW/g

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

Reference Value = 92.1 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 9.91 mW/g; SAR(10 g) = 5.27 mW/g

Maximum value of SAR (measured) = 11.3 mW/g

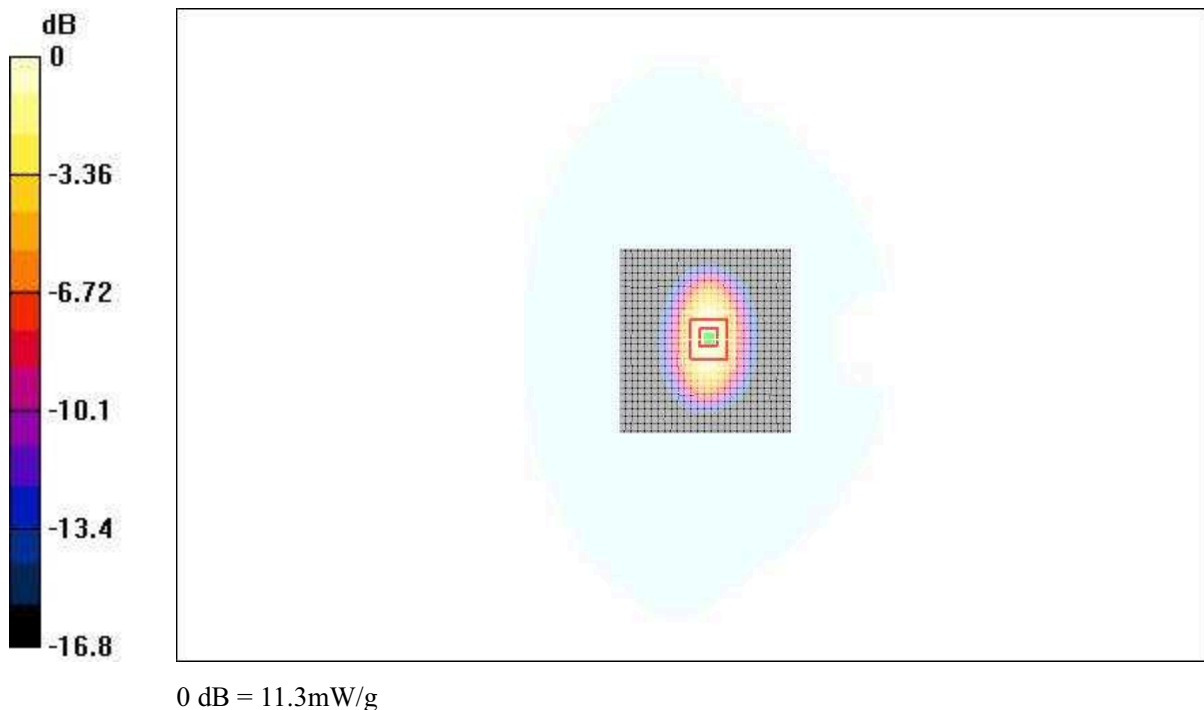


Fig.81 validation 1900MHz 250mW

1900MHzDAE536Probe1736

Date/Time: 2006-11-25 07:37:37

Electronics: DAE3 Sn536

Medium: Head 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.0°C Liquid Temperature: 22.1°C

Communication System: CW Frequency: 1900 MHz Duty Cycle: 1:1

Probe: ET3DV6 - SN1736 ConvF(5.4, 5.4, 5.4)

System Validation/Area Scan (101x101x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 10.9 mW/g

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

Reference Value = 91.5 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 16.1 W/kg

SAR(1 g) = 9.89 mW/g; SAR(10 g) = 5.21 mW/g

Maximum value of SAR (measured) = 10.6 mW/g

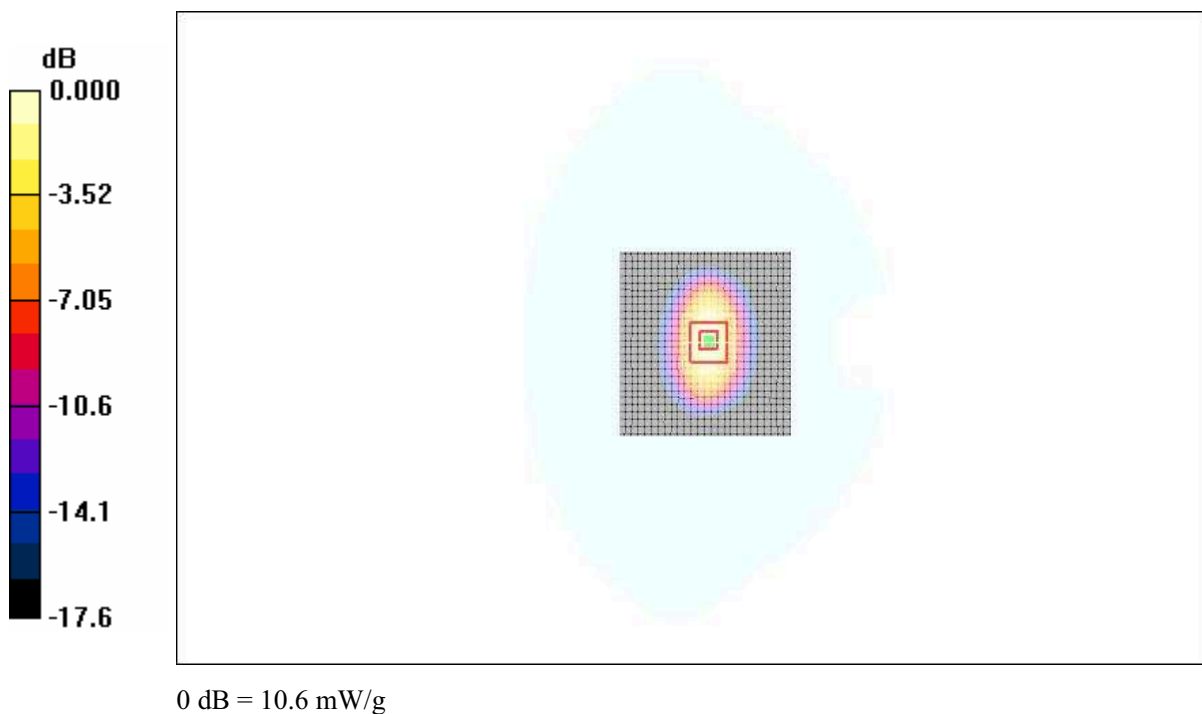


Fig.82 validation 1900MHz 250mW

**Telecommunication Metrology Center
of Ministry of Information Industry**

No. SAR2006015

Page 111 of 119

ANNEX E PROBE CALIBRATION CERTIFICATE

**Calibration Laboratory of
Schmid & Partner
Engineering AG**
Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Federal Office of Metrology and Accreditation
The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 108**

Client **TMC-Auden**

Certificate No: **ET3-1736_Nov05**

CALIBRATION CERTIFICATE

Object **ET3DV6 - SN:1736**

Calibration procedure(s) **QA CAL-01.v5
Calibration procedure for dosimetric E-field probes**

Calibration date: **November 25, 2005**

Condition of the calibrated item **In Tolerance**

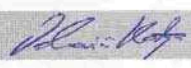
This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	3-May-05 (METAS, No. 251-00466)	May-06
Power sensor E4412A	MY41495277	3-May-05 (METAS, No. 251-00466)	May-06
Power sensor E4412A	MY41498087	3-May-05 (METAS, No. 251-00466)	May-06
Reference 20 dB Attenuator	SN: S5086 (20b)	3-May-05 (METAS, No. 251-00467)	May-06
Reference Probe ES3DV2	SN: S5086 (20b)	3-May-05 (METAS, No. 251-00467)	May-06
DAE4	SN: 3013	7-Jan-05 (SPEAG, No. ES3-3013_Jan05)	Jan-06
Reference Probe ES3DV2	SN: 907	21-Jun-05 (SPEAG, No. DAE4-907_Jun05)	Jun-06

Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (SPEAG, in house check Dec-03)	In house check: Dec-05
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Nov-04)	In house check: Nov 05

Calibrated by:	Name Nico Vetterli	Function Laboratory Technician	Signature 
Approved by:	Katja Pokovic	Technical Manager	

Issued: November 25, 2005

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Federal Office of Metrology and Accreditation
The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 108

Glossary:

TSL	tissue simulating liquid
NORM _{x,y,z}	sensitivity in free space
ConF	sensitivity in TSL / NORM _{x,y,z}
DCP	diode compression point
Polarization ϕ	ϕ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis

Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2003, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", December 2003
- CENELEC EN 50361, "Basic standard for the measurement of Specific Absorption Rate related to human exposure to electromagnetic fields from mobile phones (300 MHz - 3 GHz), July 2001

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}:** Assessed for E-field polarization $\vartheta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not effect the E²-field uncertainty inside TSL (see below *ConvF*).
- NORM(f)_{x,y,z} = NORM_{x,y,z} * frequency_response** (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of *ConvF*.
- DCP_{x,y,z}:** DCP are numerical linearization parameters assessed based on the data of power sweep (no uncertainty required). DCP does not depend on frequency nor media.
- ConvF and Boundary Effect Parameters:** Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z} * *ConvF* whereby the uncertainty corresponds to that given for *ConvF*. A frequency dependent *ConvF* is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy):** in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset:** The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.

ET3DV6 SN:1736

November 25, 2005

Probe ET3DV6

SN:1736

Manufactured:	September 27, 2002
Last calibrated:	July 14, 2005
Recalibrated:	November 25, 2005

Calibrated for DASY Systems

(Note: non-compatible with DASY2 system!)

ET3DV6 SN:1736

November 25, 2005

DASY - Parameters of Probe: ET3DV6 SN:1736

Sensitivity in Free Space^A

Diode Compression^B

NormX	1.97 ± 10.1%	$\mu V/(V/m)^2$	DCP X	93 mV
NormY	1.75 ± 10.1%	$\mu V/(V/m)^2$	DCP Y	93 mV
NormZ	1.97 ± 10.1%	$\mu V/(V/m)^2$	DCP Z	93 mV

Sensitivity in Tissue Simulating Liquid (Conversion Factors)

Please see Page 8.

Boundary Effect

TSL 900 MHz Typical SAR gradient: 5 % per mm

Sensor Center to Phantom Surface Distance		3.7 mm	4.7 mm
SAR _{be} [%]	Without Correction Algorithm	9.6	5.0
SAR _{be} [%]	With Correction Algorithm	0.1	0.3

TSL 1810 MHz Typical SAR gradient: 10 % per mm

Sensor Center to Phantom Surface Distance		3.7 mm	4.7 mm
SAR _{be} [%]	Without Correction Algorithm	13.2	8.8
SAR _{be} [%]	With Correction Algorithm	0.6	0.1

Sensor Offset

Probe Tip to Sensor Center **2.7 mm**

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of NormX,Y,Z do not affect the E²-field uncertainty inside TSL (see Page 8).

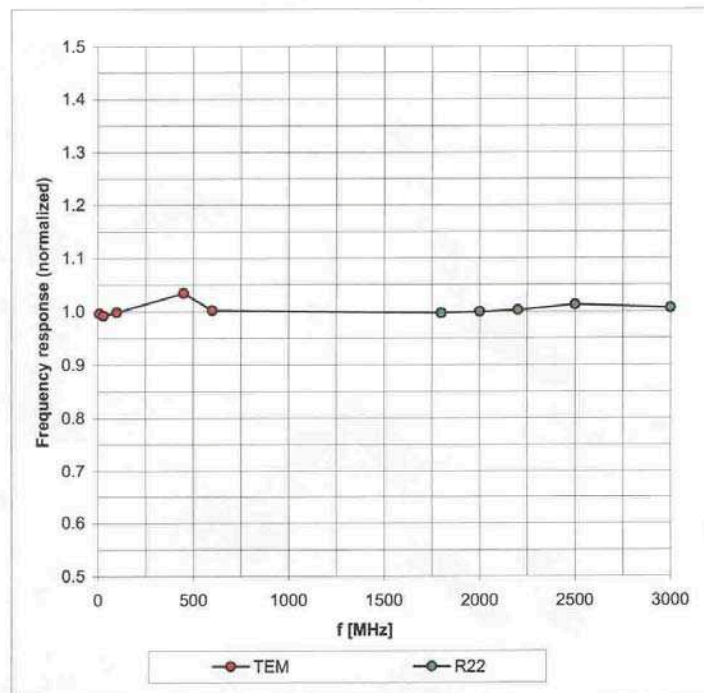
^B Numerical linearization parameter: uncertainty not required.

ET3DV6 SN:1736

November 25, 2005

Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide: R22)

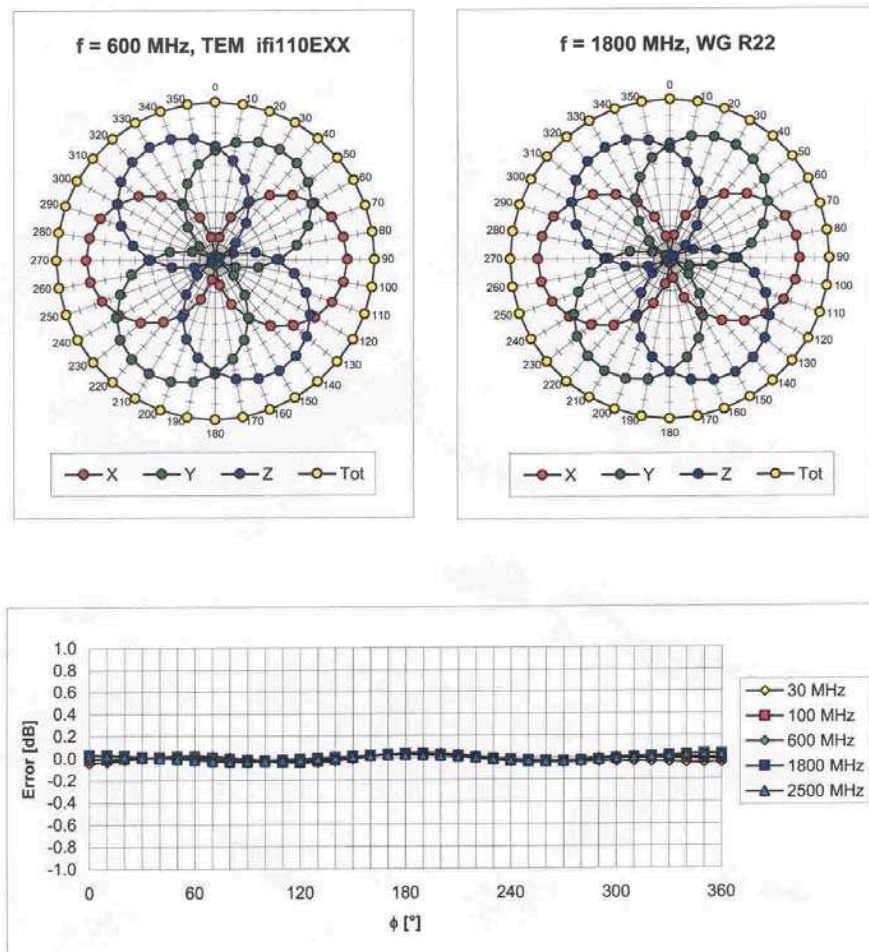


Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

ET3DV6 SN:1736

November 25, 2005

Receiving Pattern (ϕ), $\vartheta = 0^\circ$

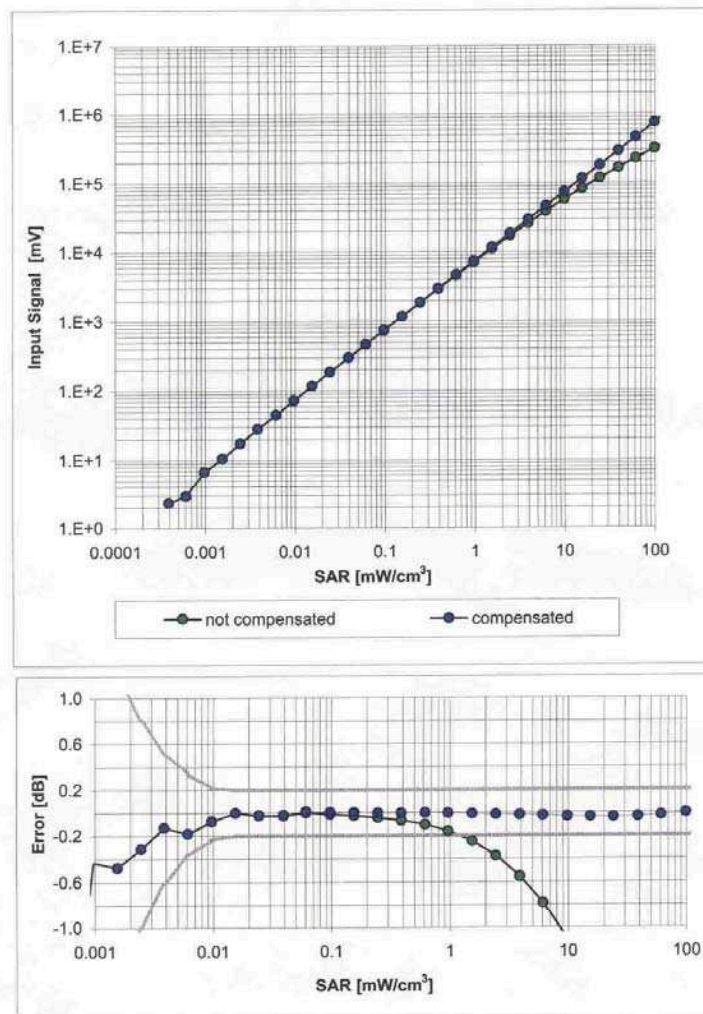


Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

ET3DV6 SN:1736

November 25, 2005

Dynamic Range $f(\text{SAR}_{\text{head}})$
(Waveguide R22, $f = 1800 \text{ MHz}$)

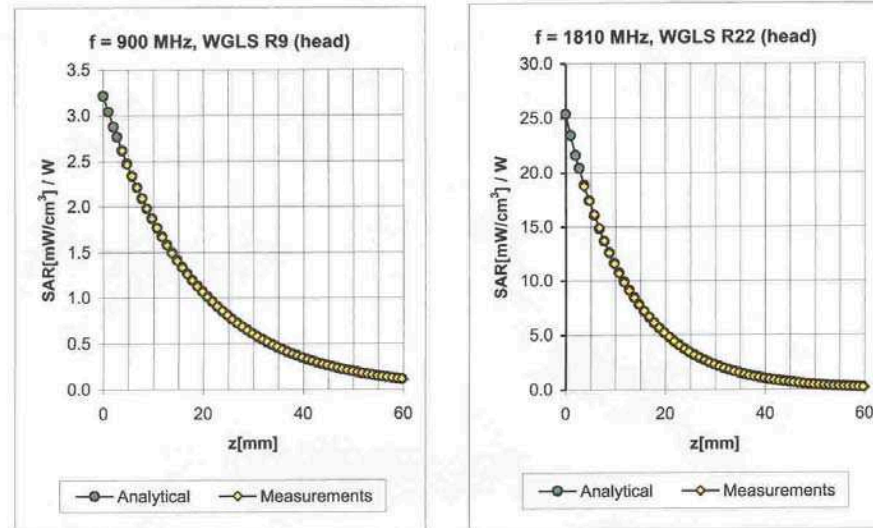


Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

ET3DV6 SN:1736

November 25, 2005

Conversion Factor Assessment



f [MHz]	Validity [MHz] ^c	TSL	Permittivity	Conductivity	Alpha	Depth	ConvF Uncertainty
900	± 50 / ± 100	Head	41.5 ± 5%	0.97 ± 5%	0.56	1.85	6.51 ± 11.0% (k=2)
1810	± 50 / ± 100	Head	40.0 ± 5%	1.40 ± 5%	0.57	2.47	5.40 ± 11.0% (k=2)
2450	± 50 / ± 100	Head	39.2 ± 5%	1.80 ± 5%	0.62	2.29	4.67 ± 11.8% (k=2)
450	± 50 / ± 100	Body	56.7 ± 5%	0.94 ± 5%	0.12	1.61	7.74 ± 13.3% (k=2)
900	± 50 / ± 100	Body	55.0 ± 5%	1.05 ± 5%	0.47	2.15	6.45 ± 11.0% (k=2)
1810	± 50 / ± 100	Body	53.3 ± 5%	1.52 ± 5%	0.53	2.78	4.88 ± 11.0% (k=2)
2450	± 50 / ± 100	Body	52.7 ± 5%	1.95 ± 5%	0.65	2.11	4.35 ± 11.8% (k=2)

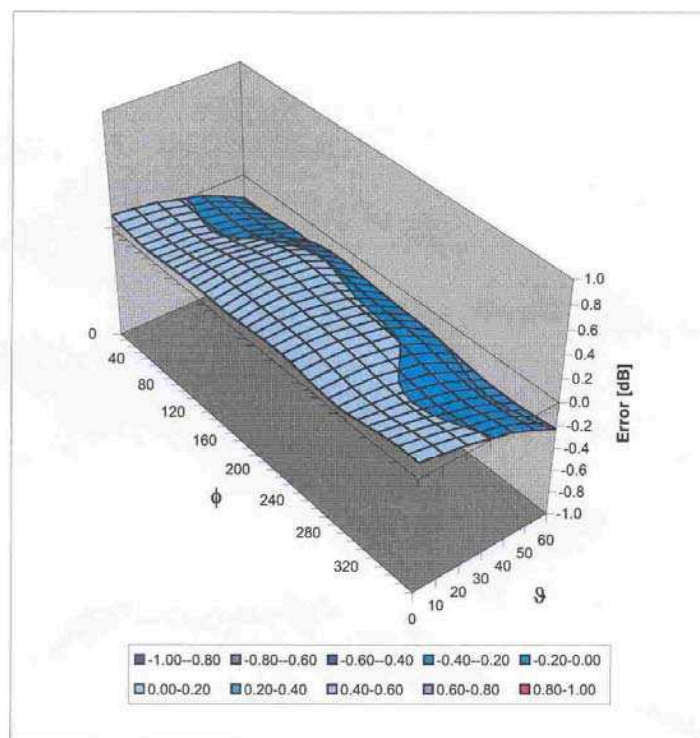
^c The validity of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2). The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

ET3DV6 SN:1736

November 25, 2005

Deviation from Isotropy in HSL

Error (ϕ , ϑ), $f = 900$ MHz



Uncertainty of Spherical Isotropy Assessment: $\pm 2.6\%$ ($k=2$)