

### 850 Body Towards Ground Middle with GPRS

Date/Time: 2011-5-15 15:01:54

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:2

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

**Toward Ground Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.35 mW/g

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

Reference Value = 35.3 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.911 mW/g**

Maximum value of SAR (measured) = 1.35 mW/g

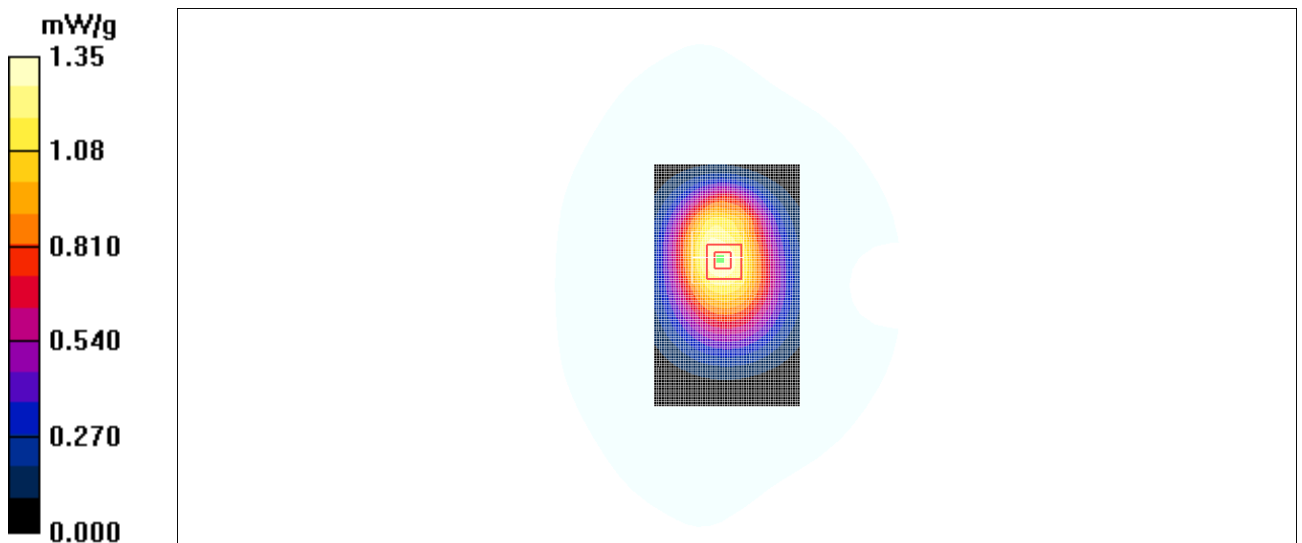


Fig. 41 850 MHz CH190

### 850 Body Towards Ground Low with GPRS

Date/Time: 2011-5-15 14:31:04

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:2

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

**Toward Ground Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.43 mW/g

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

Reference Value = 36.6 V/m; Power Drift = -0.154 dB

Peak SAR (extrapolated) = 1.71 W/kg

**SAR(1 g) = 1.30 mW/g; SAR(10 g) = 0.946 mW/g**

Maximum value of SAR (measured) = 1.40 mW/g

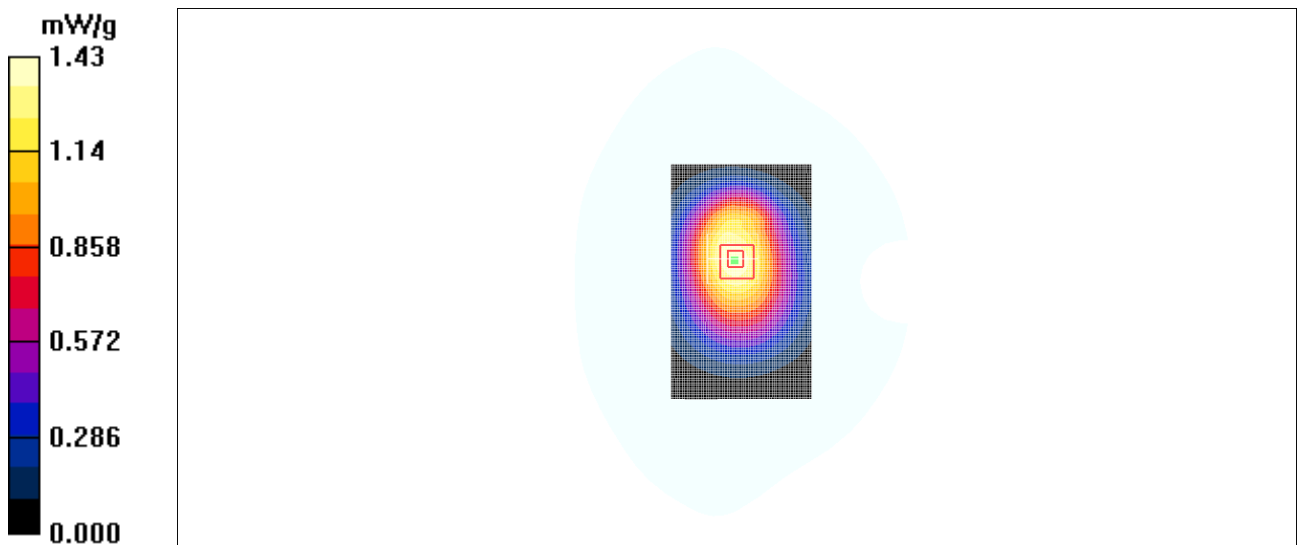
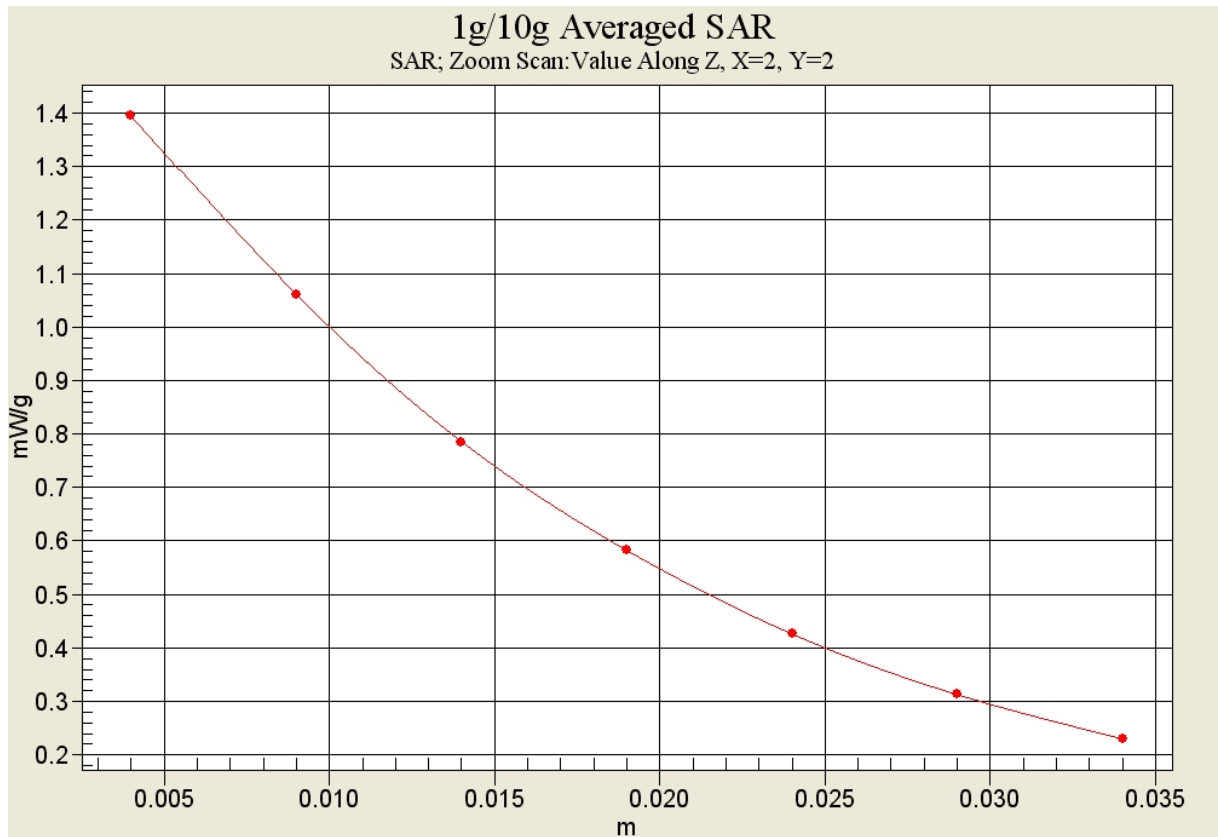


Fig. 42 850 MHz CH128



**Fig. 42-1 Z-Scan at power reference point (850 MHz CH128)**

### 850 Body Left Side High with GPRS

Date/Time: 2011-5-15 15:32:54

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 54.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 848.8 MHz Duty Cycle: 1:2

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

**Left Side High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.946 mW/g

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

Reference Value = 29.4 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.569 mW/g**

Maximum value of SAR (measured) = 0.867 mW/g

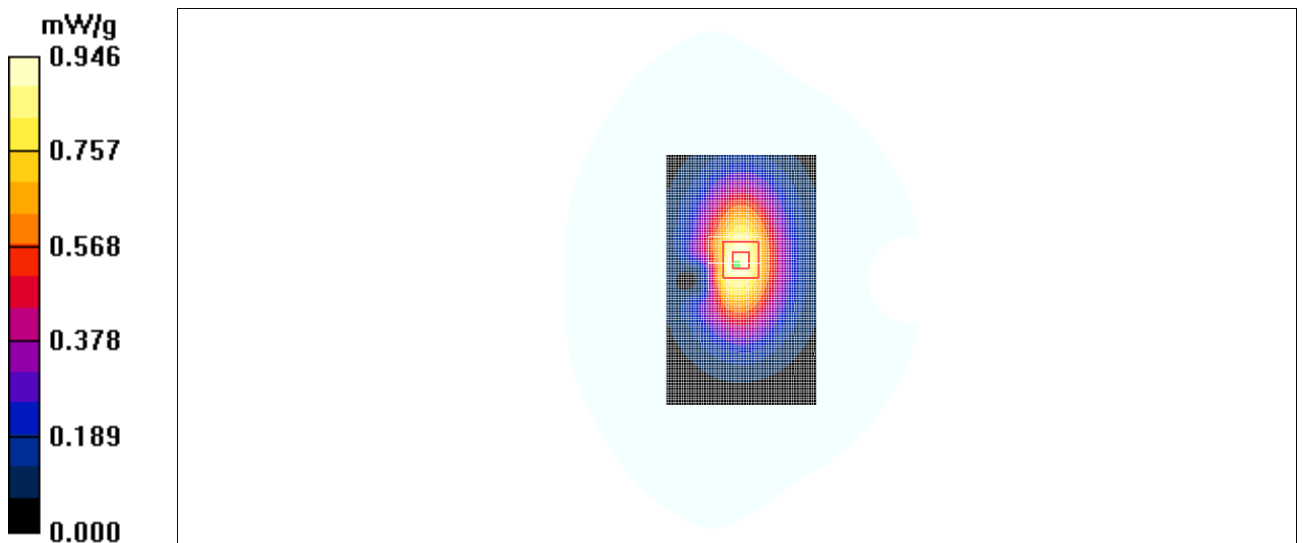


Fig. 43 850 MHz CH251

### 850 Body Left Side Middle with GPRS

Date/Time: 2011-5-15 15:48:22

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:2

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

**Left Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 29.7 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.874 mW/g; SAR(10 g) = 0.591 mW/g**

Maximum value of SAR (measured) = 0.934 mW/g

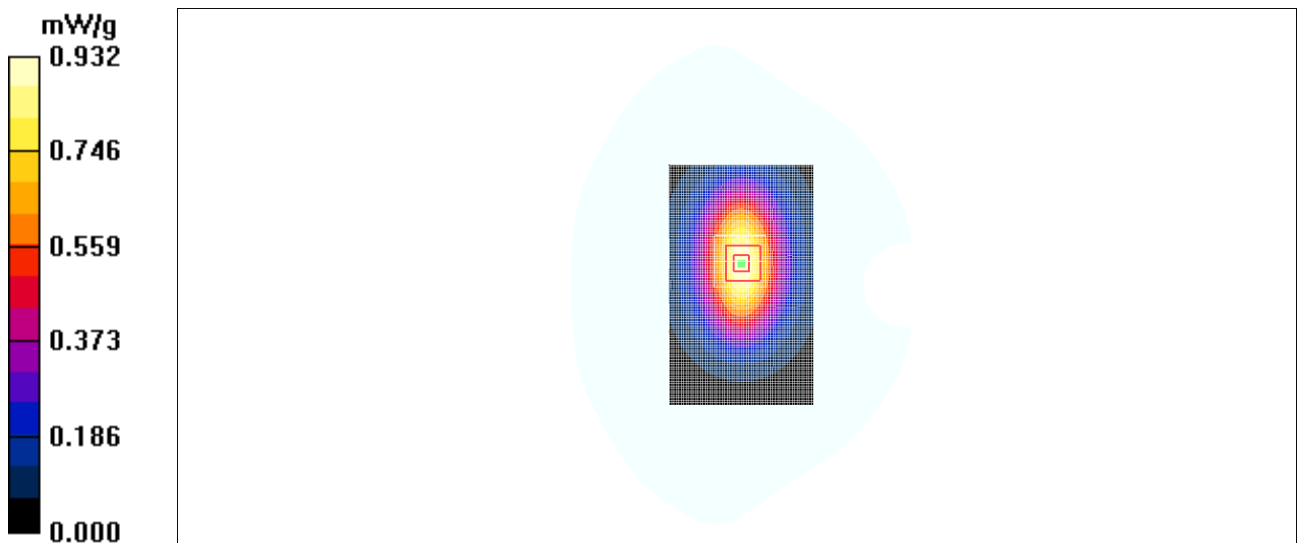


Fig. 44 850 MHz CH190

**850 Body Left Side Low with GPRS**

Date/Time: 2011-5-15 15:17:31

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.93 \text{ mho/m}$ ;  $\epsilon_r = 55.8$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.0^\circ\text{C}$       Liquid Temperature:  $22.5^\circ\text{C}$

Communication System: GSM 850 GPRS Frequency:  $824.2 \text{ MHz}$  Duty Cycle: 1:2

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

**Left Side Low/Area Scan (61x101x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) =  $0.957 \text{ mW/g}$

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

Reference Value =  $29.9 \text{ V/m}$ ; Power Drift =  $-0.048 \text{ dB}$

Peak SAR (extrapolated) =  $2.46 \text{ W/kg}$

**SAR(1 g) =  $0.874 \text{ mW/g}$ ; SAR(10 g) =  $0.593 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.955 \text{ mW/g}$

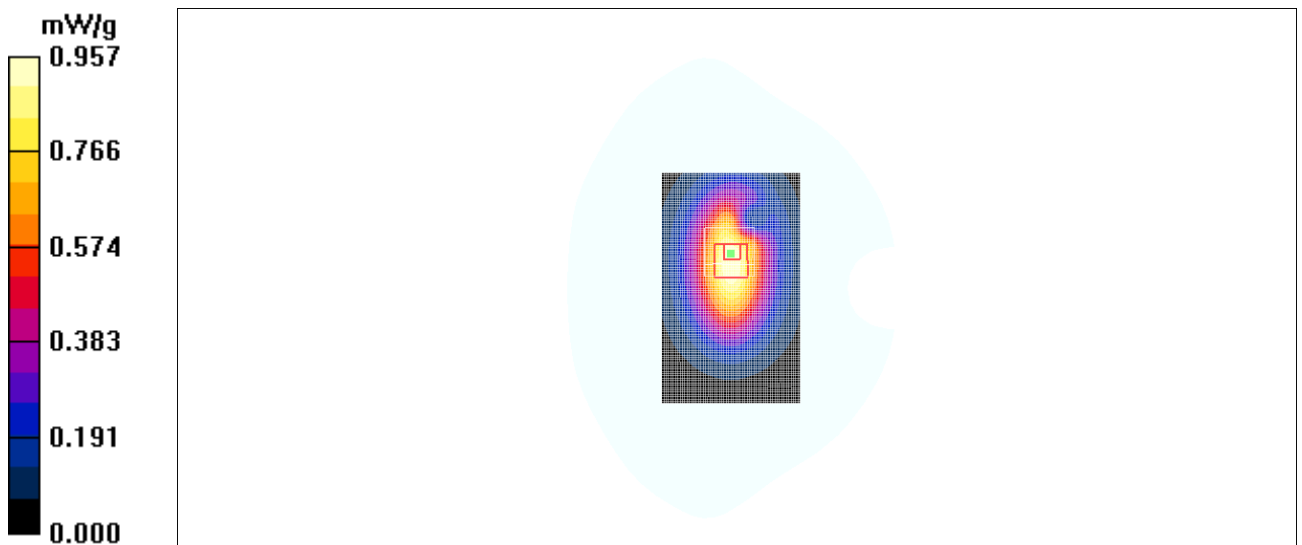


Fig. 45 850 MHz CH128

### 850 Body Right Side High with GPRS

Date/Time: 2011-5-15 16:20:21

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.94$  mho/m;  $\epsilon_r = 54.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 848.8 MHz Duty Cycle: 1:2

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

**Right Side High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.952 mW/g

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

Reference Value = 30.0 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.590 mW/g**

Maximum value of SAR (measured) = 0.933 mW/g

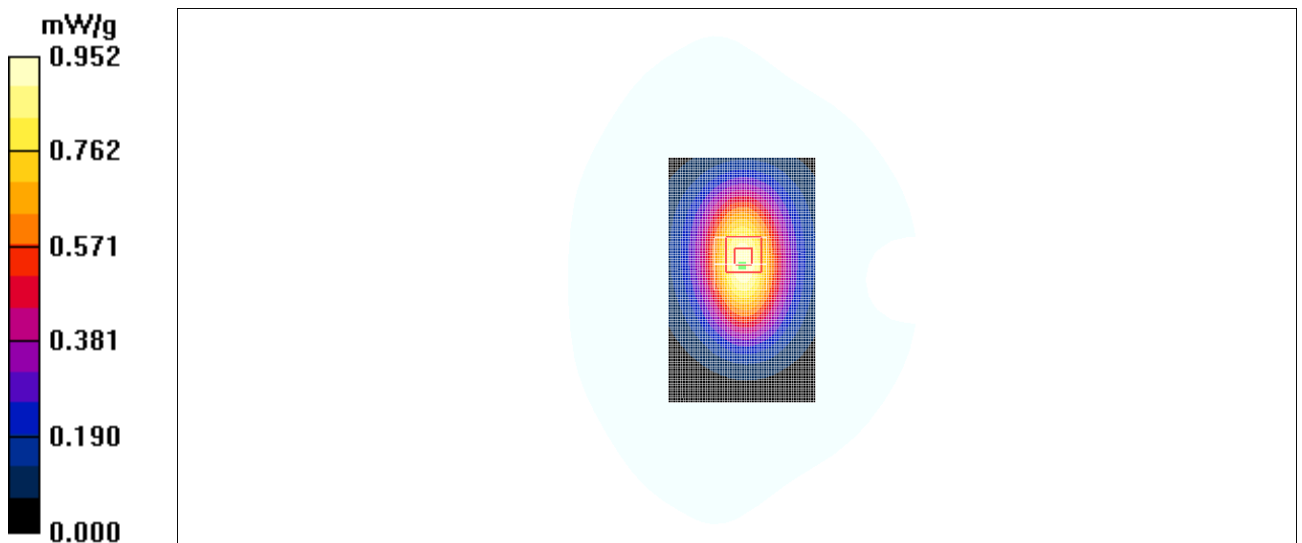


Fig. 46 850 MHz CH251

**850 Body Right Side Middle with GPRS**

Date/Time: 2011-5-15 16:35:45

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 836.6 MHz Duty Cycle: 1:2

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

**Right Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

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

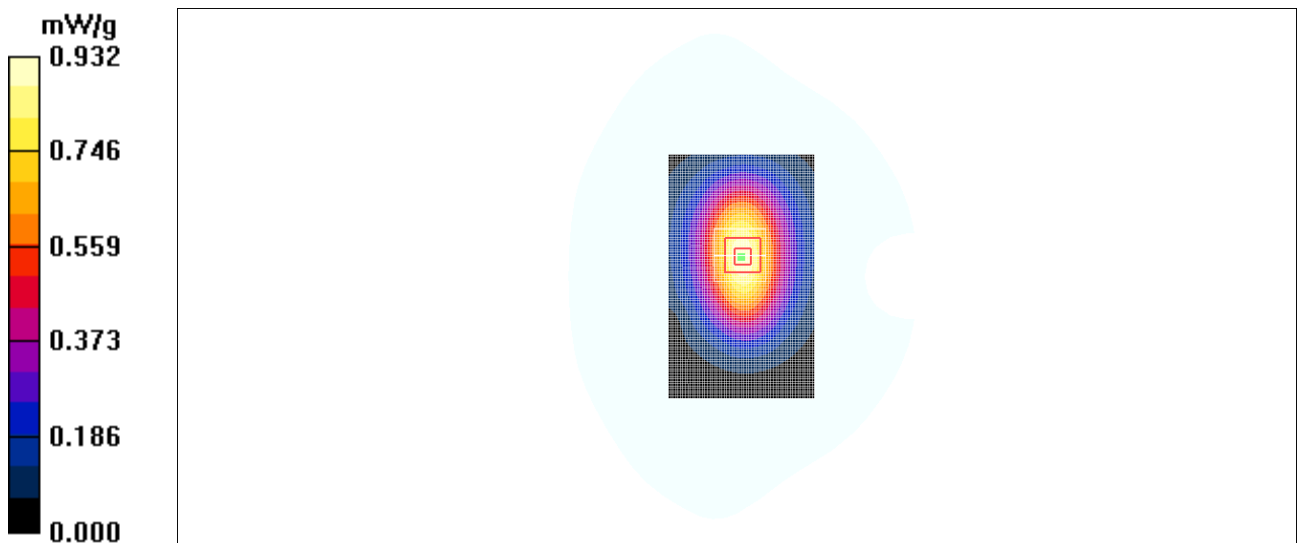
**Right Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.7 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.596 mW/g**

Maximum value of SAR (measured) = 0.918 mW/g



**Fig. 47 850 MHz CH190**



### 850 Body Right Side Low with GPRS

Date/Time: 2011-5-15 16:04:56

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:2

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

**Right Side Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 30.1 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 2.41 W/kg

**SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.589 mW/g**

Maximum value of SAR (measured) = 0.922 mW/g

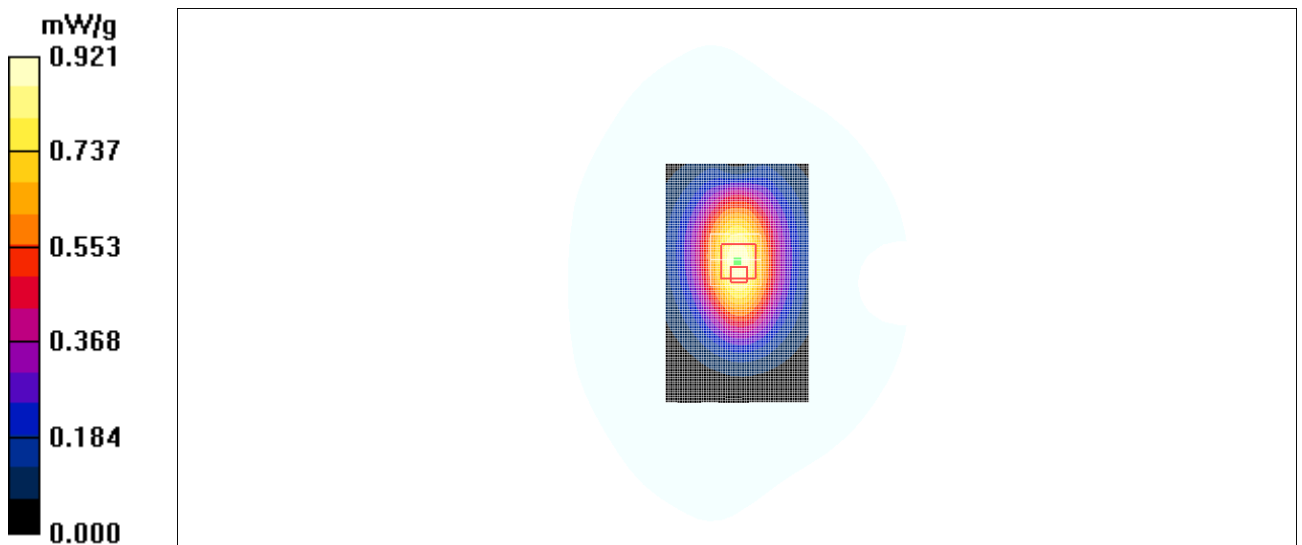


Fig. 48 850 MHz CH128

**850 Body Bottom Side Low with GPRS**

Date/Time: 2011-5-15 16:51:29

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:2

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

**Bottom Side Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.106 mW/g

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

Reference Value = 10.2 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.178 W/kg

**SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.059 mW/g**

Maximum value of SAR (measured) = 0.108 mW/g

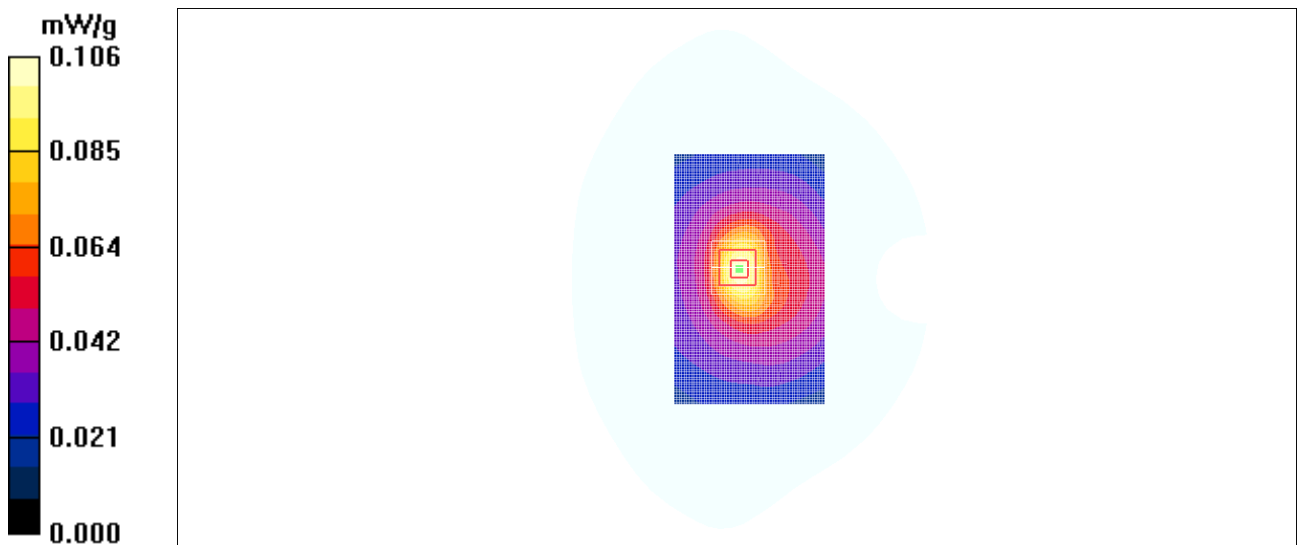


Fig. 49 850 MHz CH128

### 850 Body Towards Ground Low with EGPRS

Date/Time: 2011-5-15 17:08:03

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 850 GPRS Frequency: 824.2 MHz Duty Cycle: 1:2

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

**Toward Ground Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.34 mW/g

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

Reference Value = 33.0 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 1.64 W/kg

**SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.904 mW/g**

Maximum value of SAR (measured) = 1.31 mW/g

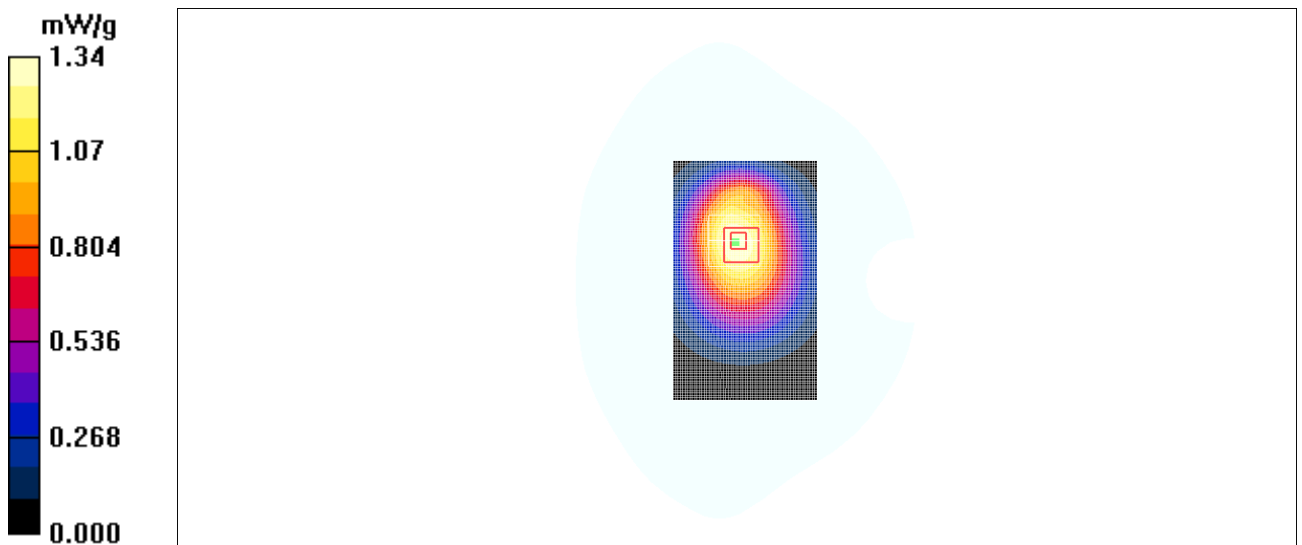


Fig. 50 850 MHz CH128

**850 Body Towards Ground Low with Headset\_CCB3160A10C0**

Date/Time: 2011-5-15 17:24:55

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°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 (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.08 mW/g

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

Reference Value = 30.7 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.730 mW/g**

Maximum value of SAR (measured) = 1.07 mW/g

**Toward Ground Low/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.7 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.539 mW/g**

Maximum value of SAR (measured) = 0.955 mW/g

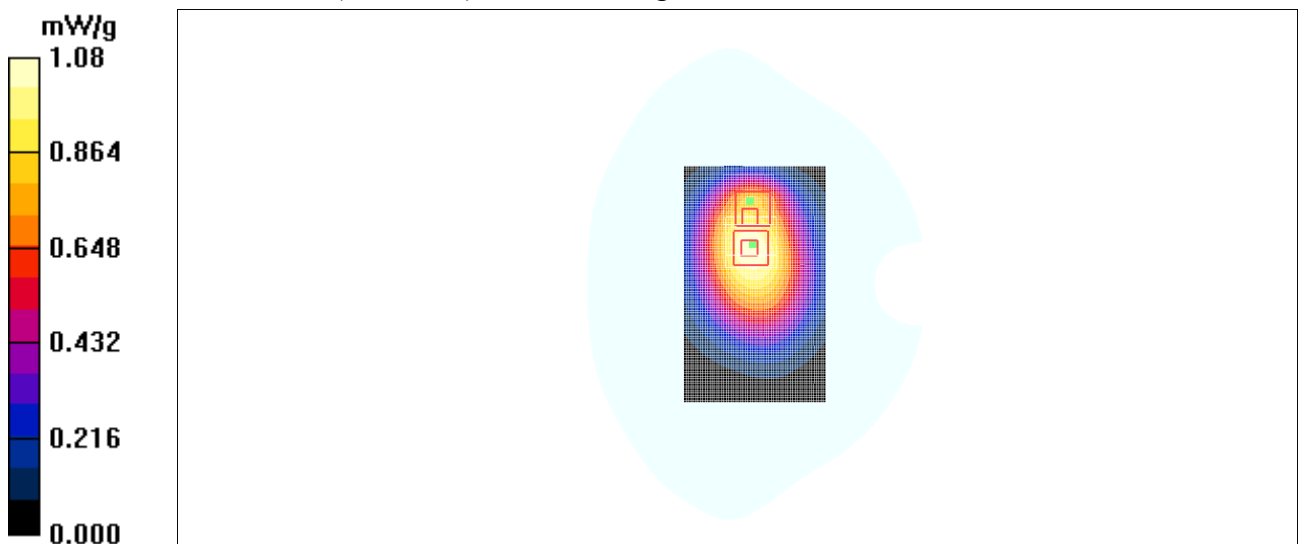


Fig. 51 850 MHz CH128

**850 Body Towards Ground Low with Headset\_CCB3160A10C2**

Date/Time: 2011-5-15 17:41:36

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 55.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°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 (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.949 mW/g

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

Reference Value = 23.4 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.893 mW/g; SAR(10 g) = 0.626 mW/g**

Maximum value of SAR (measured) = 0.947 mW/g

**Toward Ground Low C3/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.4 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.555 mW/g**

Maximum value of SAR (measured) = 0.934 mW/g

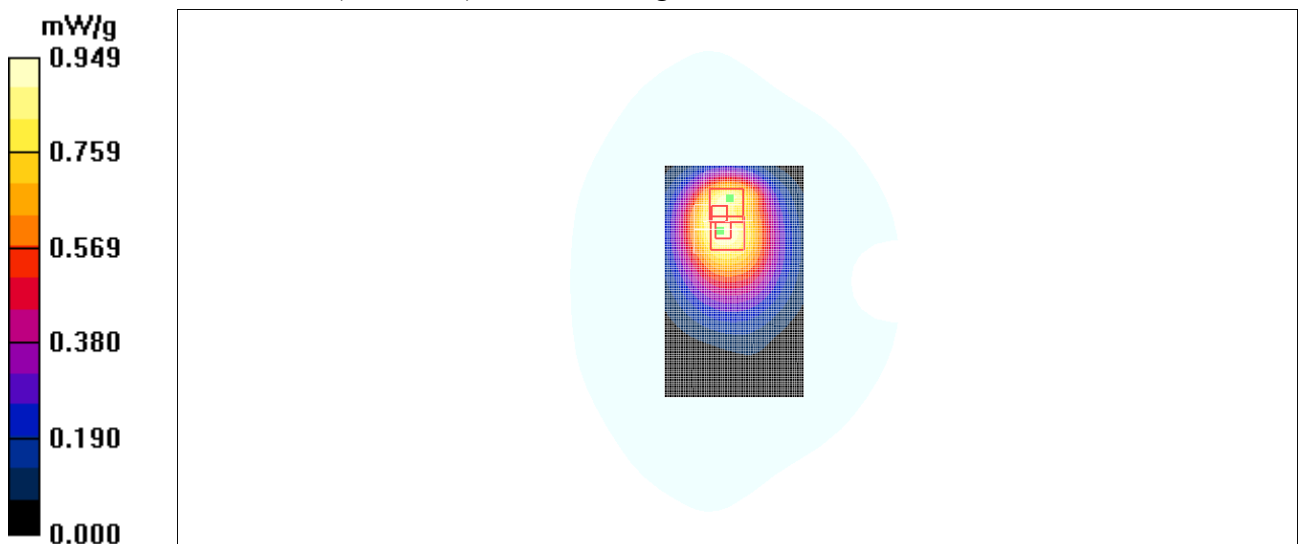


Fig. 52 850 MHz CH128

### 1900 Body Towards Phantom Middle with GPRS

Date/Time: 2011-5-16 13:48:15

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.50$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1880 MHz Duty Cycle: 1:2

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

**Toward Phantom Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.885 mW/g

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

Reference Value = 11.3 V/m; Power Drift = 0.00376 dB

Peak SAR (extrapolated) = 0.994 W/kg

**SAR(1 g) = 0.689 mW/g; SAR(10 g) = 0.410 mW/g**

Maximum value of SAR (measured) = 0.860 mW/g

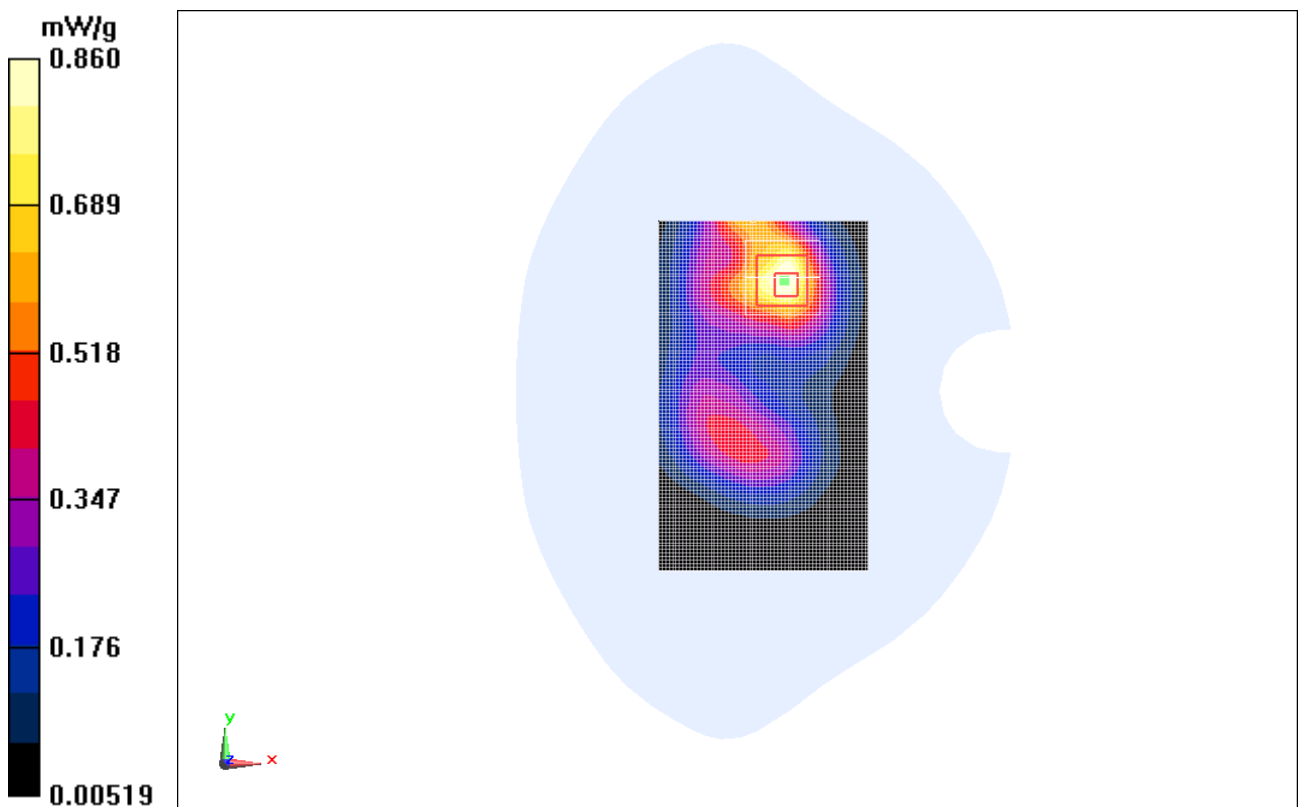


Fig. 53 1900 MHz CH661

### 1900 Body Towards Ground Middle with GPRS

Date/Time: 2011-5-16 14:04:20

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.50$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1880 MHz Duty Cycle: 1:2

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

**Toward Ground Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.943 mW/g

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

Reference Value = 13.2 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 1.4 W/kg

**SAR(1 g) = 0.855 mW/g; SAR(10 g) = 0.503 mW/g**

Maximum value of SAR (measured) = 0.920 mW/g

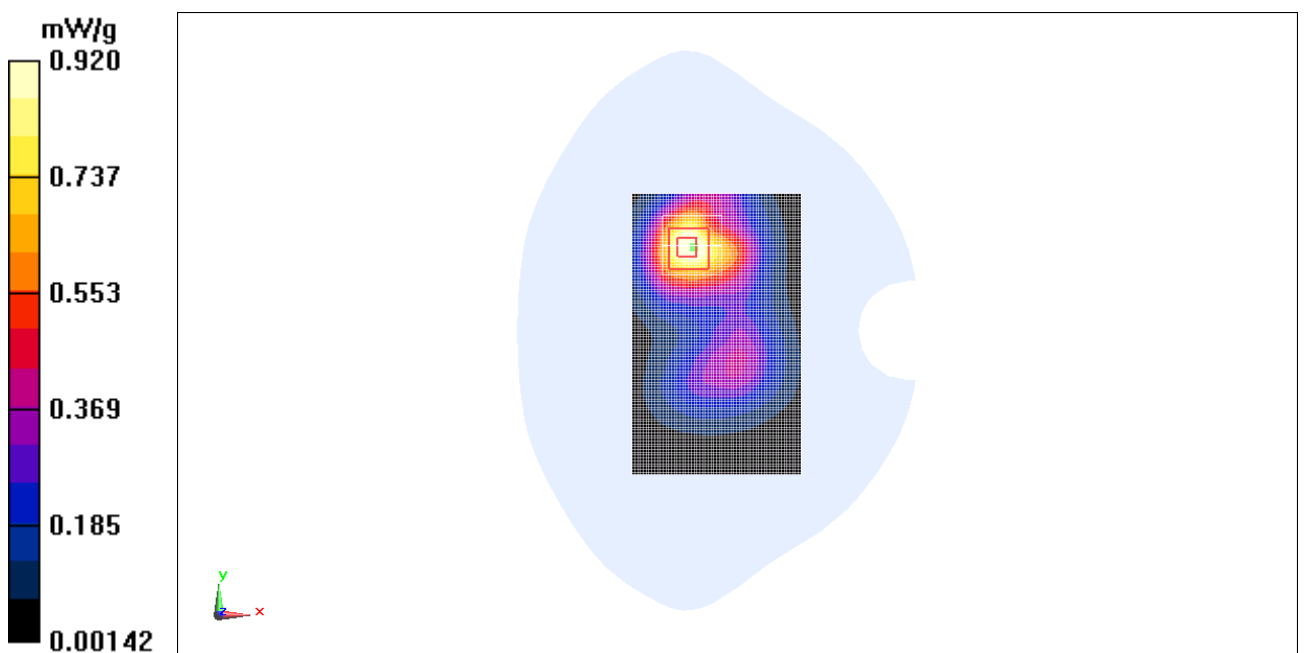


Fig. 54 1900 MHz CH661

**1900 Body Left Side Middle with GPRS**

Date/Time: 2011-5-16 14:20:24

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.50$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1880 MHz Duty Cycle: 1:2

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

**Left Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.179 mW/g

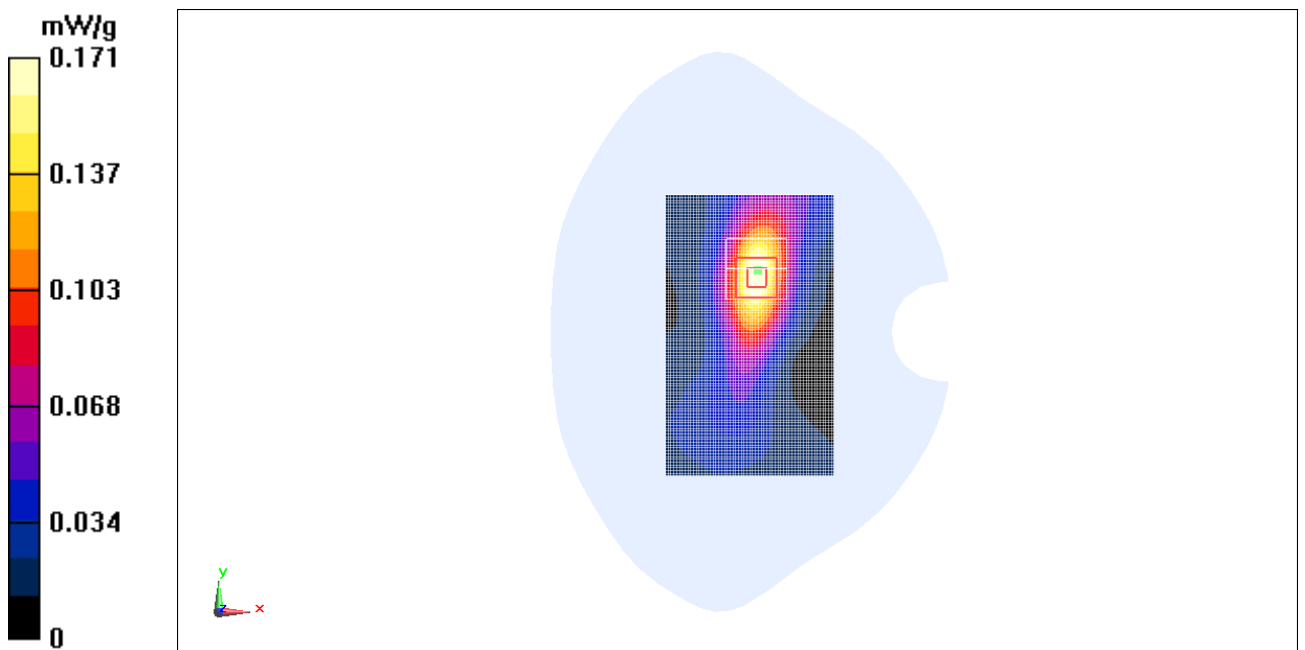
**Left Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.04 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 0.393 W/kg

**SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.092 mW/g**

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



**Fig. 55 1900 MHz CH661**



**1900 Body Right Side Middle with GPRS**

Date/Time: 2011-5-16 14:36:41

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.50 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $23.0^\circ\text{C}$       Liquid Temperature:  $22.5^\circ\text{C}$

Communication System: GSM 1900MHz GPRS Frequency: 1880 MHz Duty Cycle: 1:2

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

**Right Side Middle/Area Scan (61x101x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.319 mW/g

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

Reference Value = 12.4 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.621 W/kg

**SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.165 mW/g**

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



**Fig. 56 1900 MHz CH661**

**1900 Body Bottom Side High with GPRS**

Date/Time: 2011-5-16 15:08:26

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1909.8 MHz Duty Cycle: 1:2

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

**Bottom Side High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 8.84 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 1.77 W/kg

**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.544 mW/g**

Maximum value of SAR (measured) = 1.13 mW/g

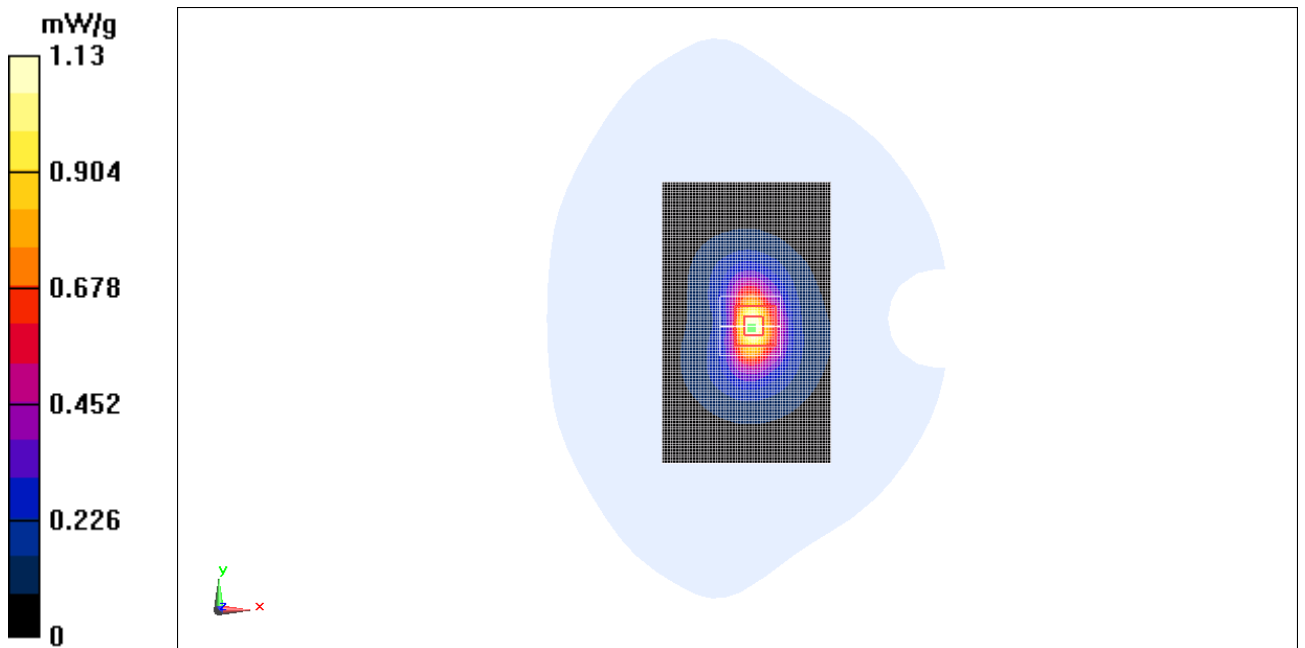
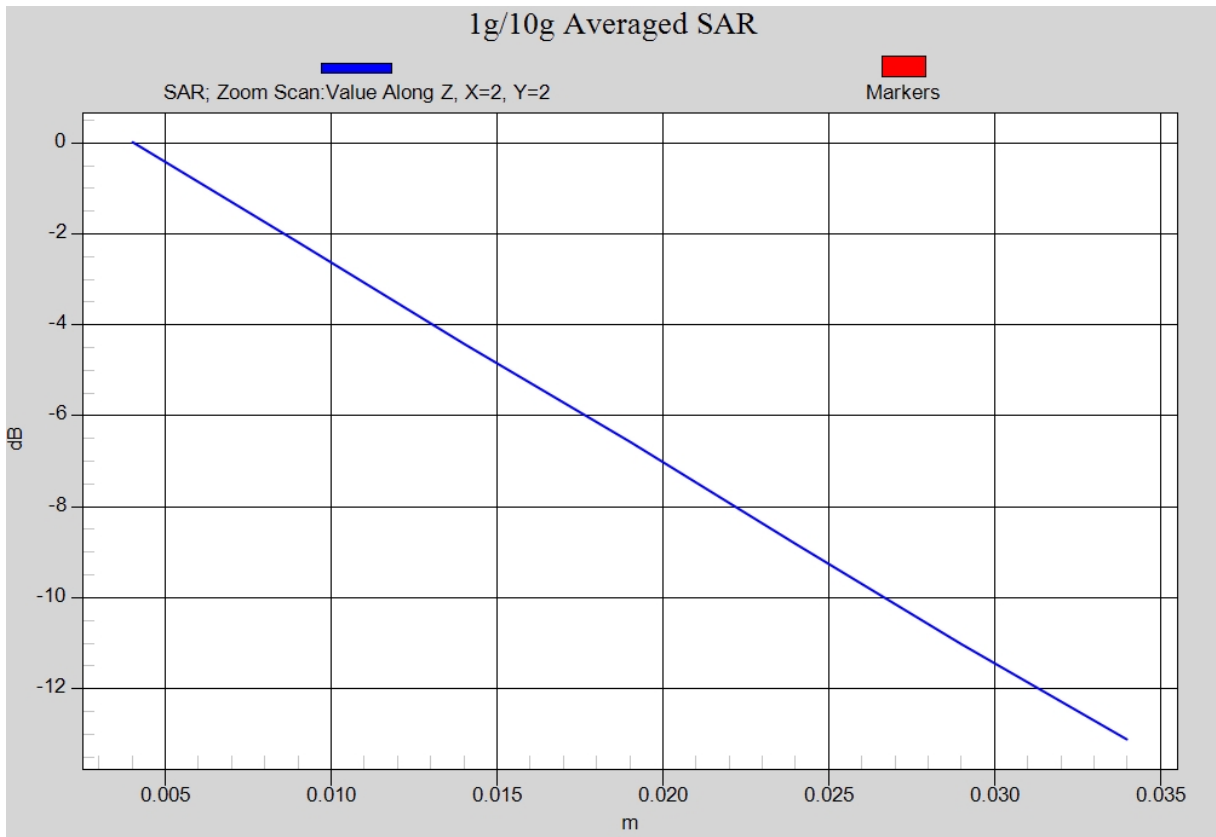


Fig. 57 1900 MHz CH810



**Fig. 57-1 Z-Scan at power reference point (1900 MHz CH810)**

**1900 Body Bottom Side Middle with GPRS**

Date/Time: 2011-5-16 14:53:01

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.50$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1880 MHz Duty Cycle: 1:2

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

**Bottom Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.08 mW/g

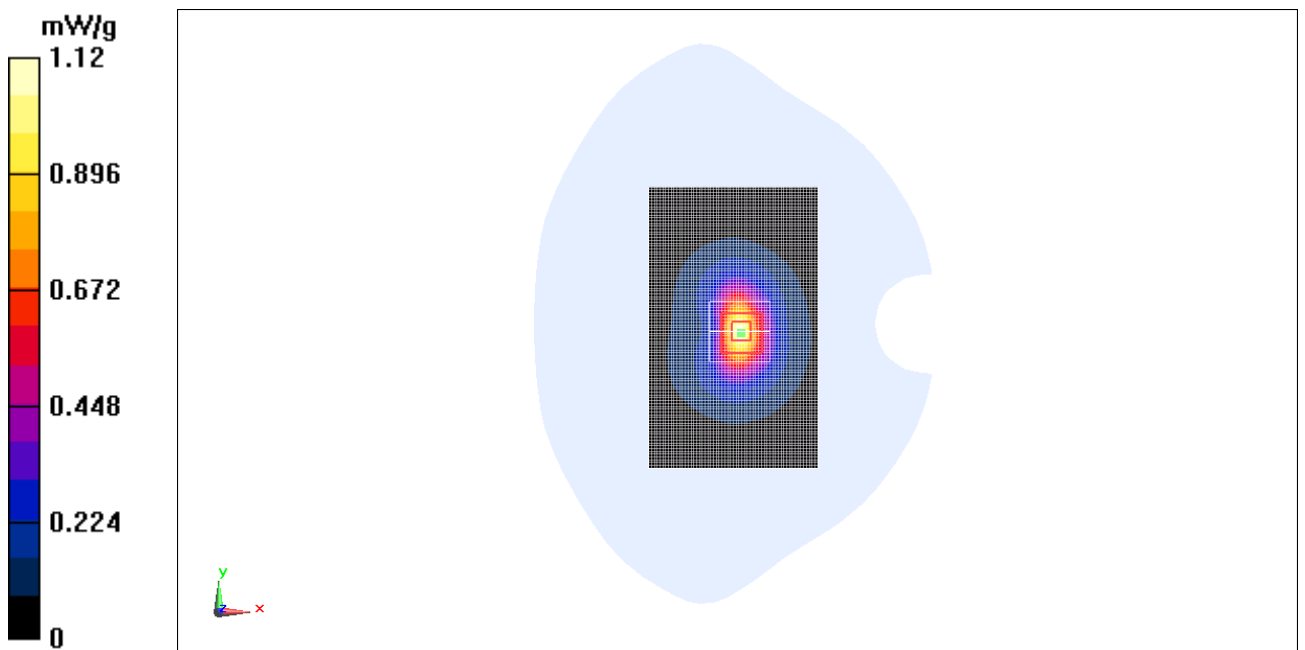
**Bottom Side Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25 V/m; Power Drift = -0.170 dB

Peak SAR (extrapolated) = 1.7 W/kg

**SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.521 mW/g**

Maximum value of SAR (measured) = 1.12 mW/g



**Fig. 58 1900 MHz CH661**

**1900 Body Bottom Side Low with GPRS**

Date/Time: 2011-5-16 15:23:52

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1850.2 MHz Duty Cycle: 1:2

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

**Bottom Side Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.989 mW/g

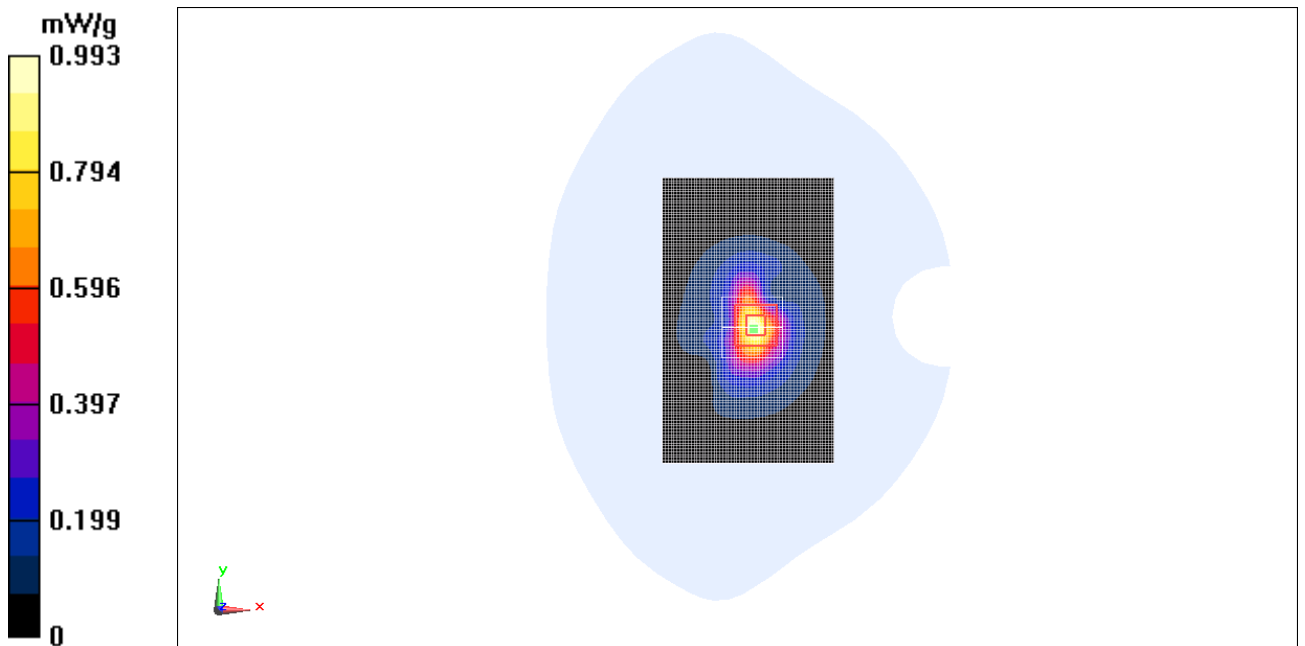
**Bottom Side Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.1 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.874 mW/g; SAR(10 g) = 0.475 mW/g**

Maximum value of SAR (measured) = 0.993 mW/g



**Fig. 59 1900 MHz CH512**

**1900 Body Bottom Side High with EGPRS**

Date/Time: 2011-5-16 15:40:27

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

Communication System: GSM 1900MHz GPRS Frequency: 1909.8 MHz Duty Cycle: 1:2

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

**Bottom Side High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.907 mW/g

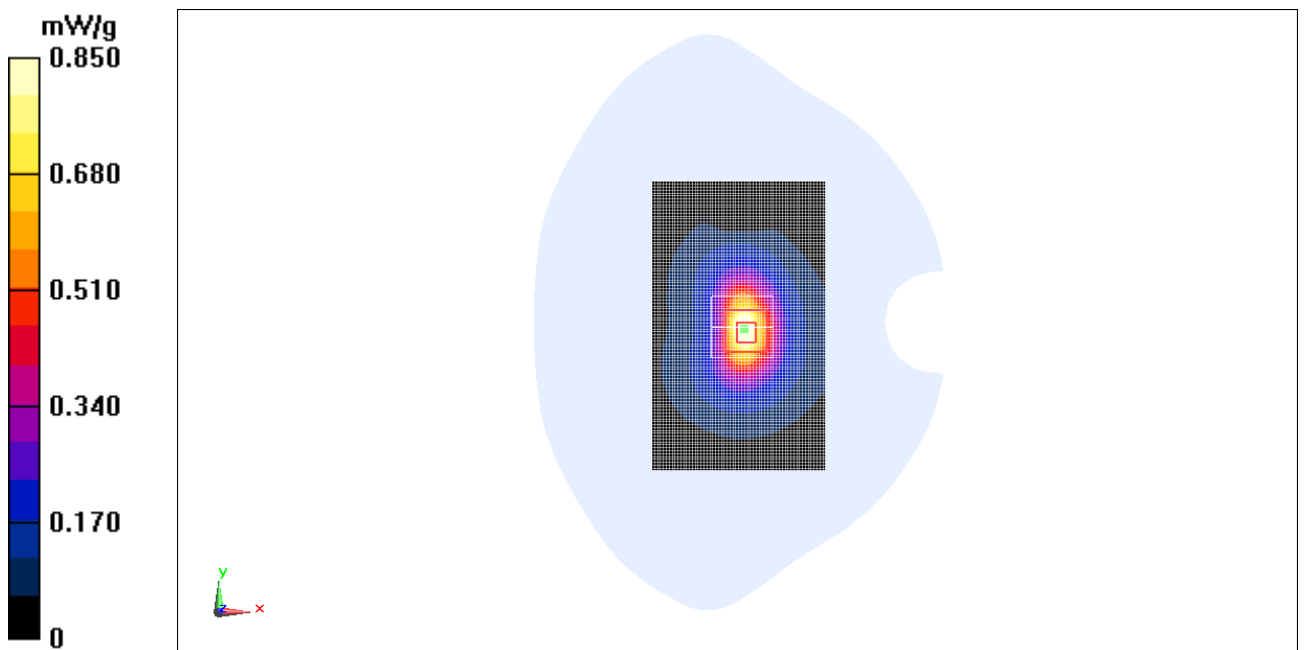
**Bottom Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.9 V/m; Power Drift = 0.116 dB

Peak SAR (extrapolated) = 2.23 W/kg

**SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.450 mW/g**

Maximum value of SAR (measured) = 0.850 mW/g



**Fig. 60 1900 MHz CH810**

**1900 Body Bottom Side High with Headset\_CCB3160A10C0**

Date/Time: 2011-5-16 15:57:44

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

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

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

**Bottom Side High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.651 mW/g

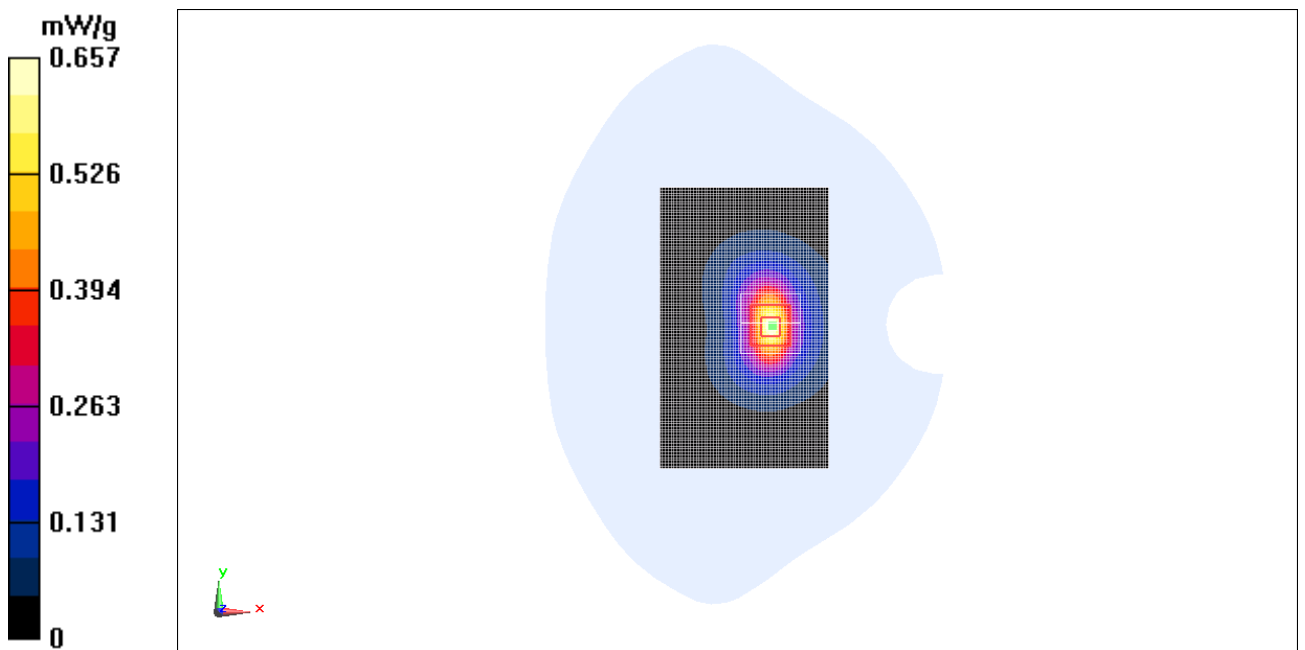
**Bottom Side High/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.992 W/kg

**SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.314 mW/g**

Maximum value of SAR (measured) = 0.657 mW/g



**Fig. 61 1900 MHz CH810**

**1900 Body Bottom Side High with Headset\_CCB3160A10C2**

Date/Time: 2011-5-16 16:14:35

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0°C      Liquid Temperature: 22.5°C

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

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

**Bottom Side High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.748 mW/g

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

Reference Value = 13.5 V/m; Power Drift = -0.173 dB

Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.361 mW/g**

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

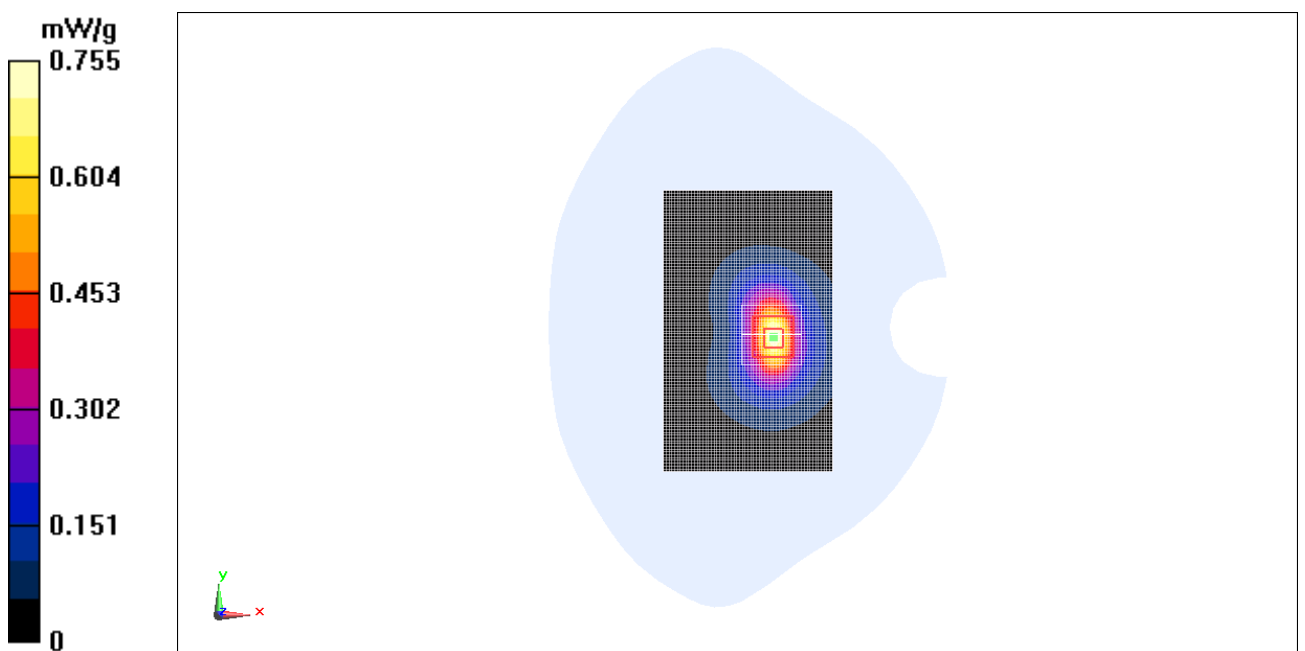


Fig. 62 1900 MHz CH810



### WCDMA1700 Body Towards Phantom High

Date/Time: 2011-5-17 13:57:38

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Toward Phantom High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.42 mW/g

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

Reference Value = 17 V/m; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 2.21 W/kg

**SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.692 mW/g**

Maximum value of SAR (measured) = 1.49 mW/g

**Toward Phantom High/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17 V/m; Power Drift = -0.063 dB

Peak SAR (extrapolated) = 2.29 W/kg

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.626 mW/g**

Maximum value of SAR (measured) = 1.52 mW/g

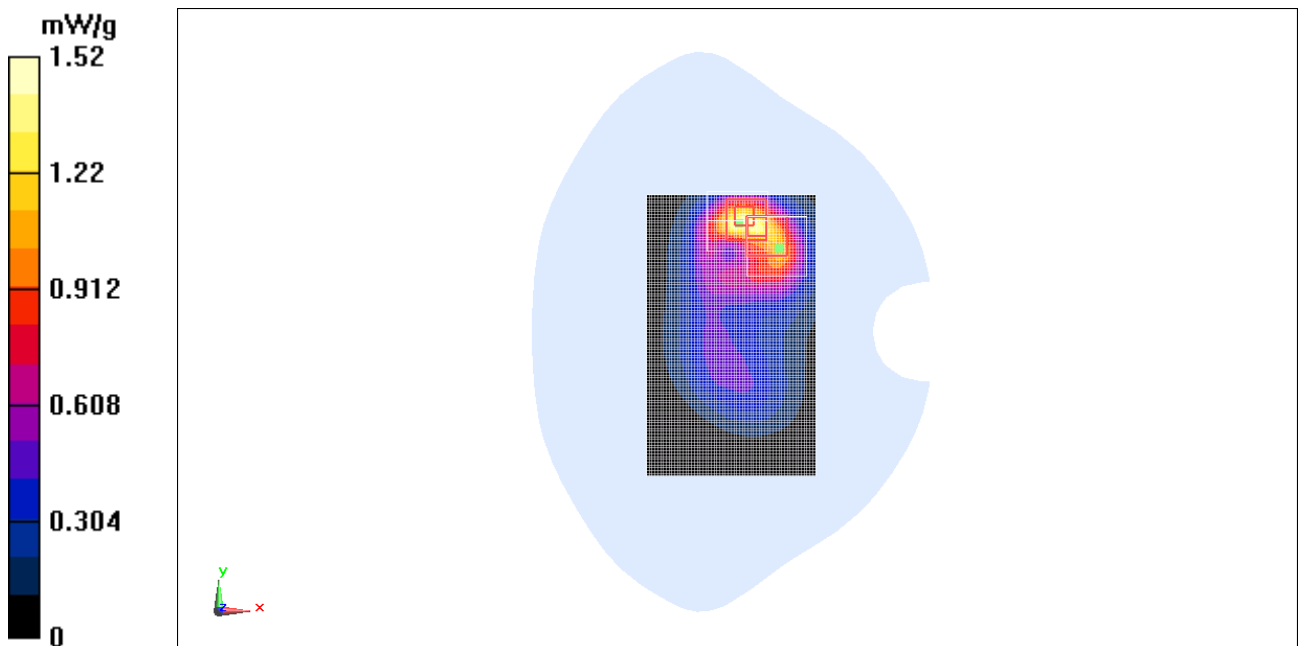


Fig. 63 1700 MHz CH1513

### WCDMA 1700 Body Towards Phantom Middle

Date/Time: 2011-5-17 14:12:59

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1732.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Toward Phantom Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 1.55 mW/g

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

Reference Value = 17.6 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 2.31 W/kg

**SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.745 mW/g**

Maximum value of SAR (measured) = 1.61 mW/g

**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 2.34 W/kg

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.649 mW/g**

Maximum value of SAR (measured) = 1.56 mW/g

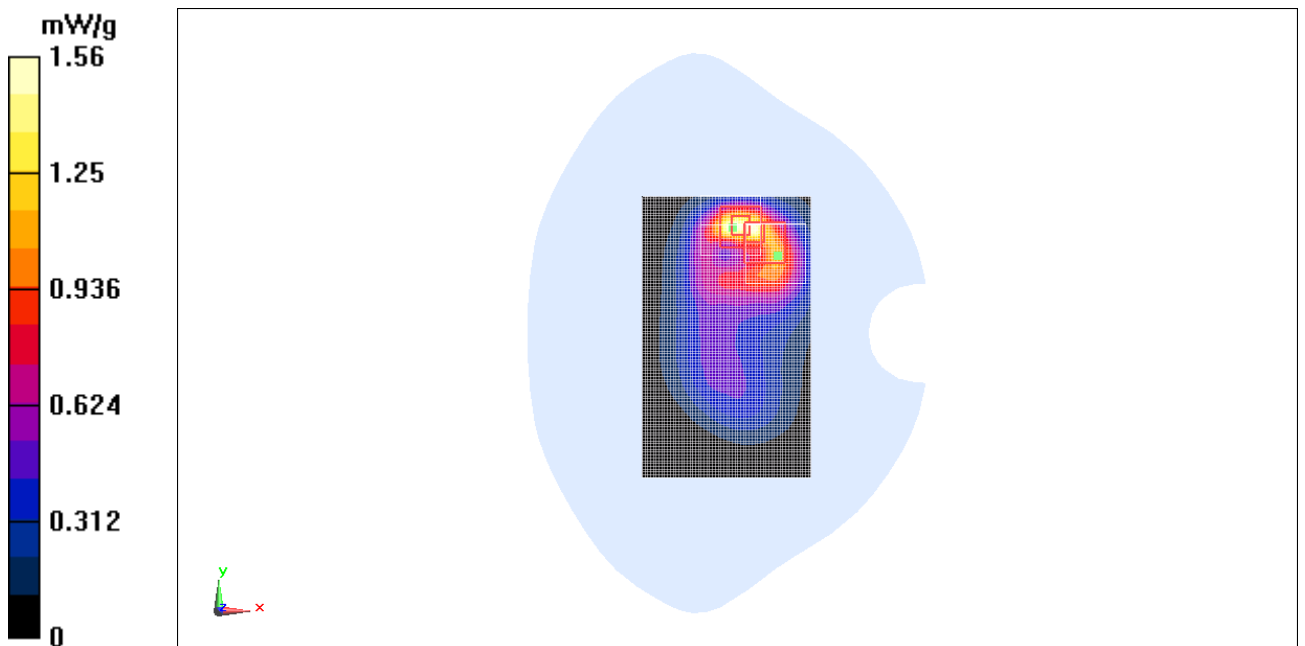


Fig. 64 1700 MHz CH1412

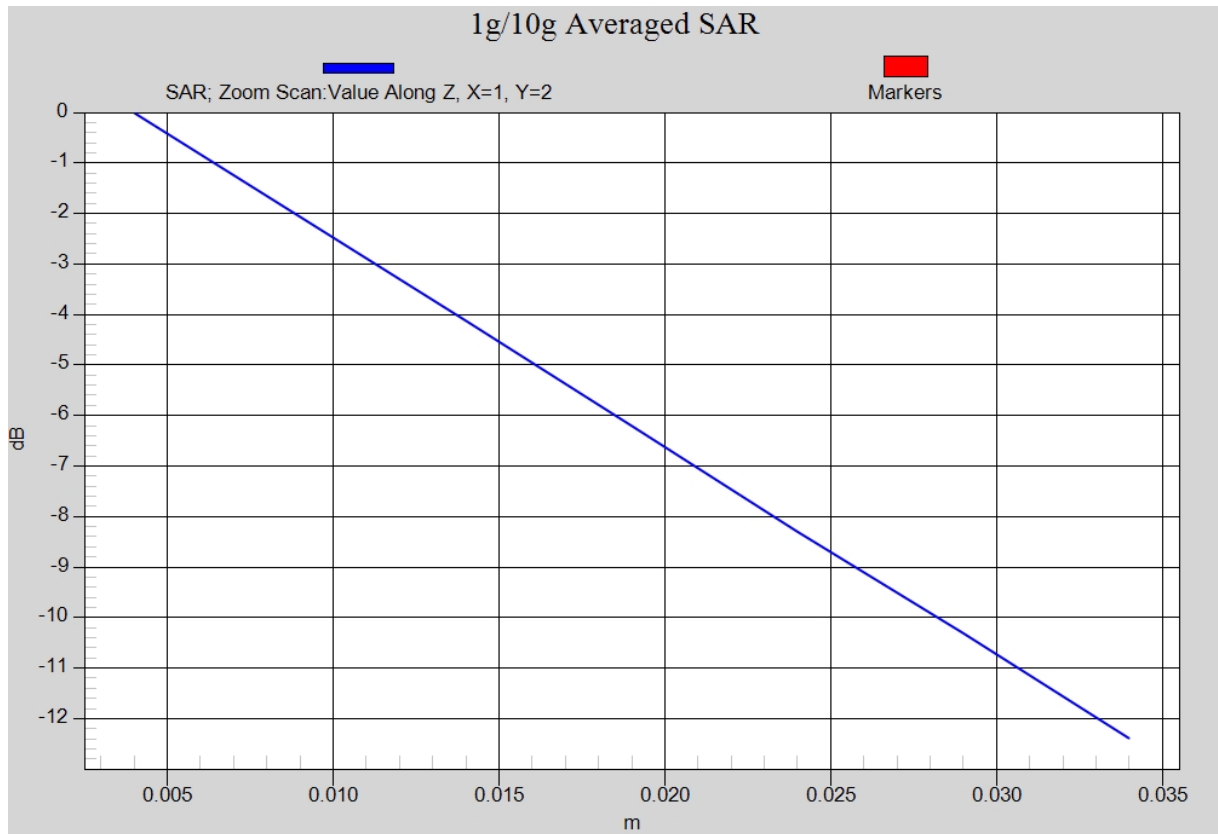


Fig. 64-1 Z-Scan at power reference point (850 MHz CH1412)

**WCDMA 1700 Body Towards Phantom Low**

Date/Time: 2011-5-17 13:42:17

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1712.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Toward Phantom Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.35 mW/g

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

Reference Value = 16.7 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 1.97 W/kg

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.642 mW/g**

Maximum value of SAR (measured) = 1.38 mW/g

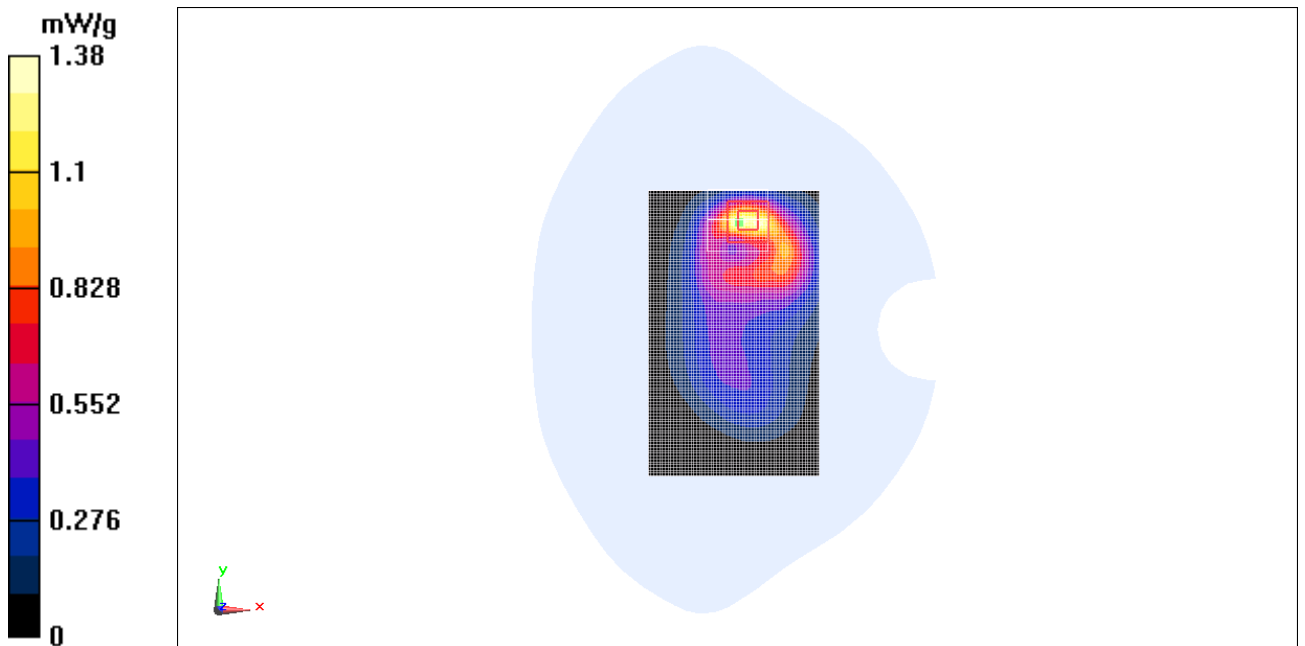


Fig. 65 1700 MHz CH1312

### WCDMA 1700 Body Towards Ground High

Date/Time: 2011-5-17 14:44:46

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Toward Ground High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.34 mW/g

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

Reference Value = 13.4 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 2.06 W/kg

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.687 mW/g**

Maximum value of SAR (measured) = 1.32 mW/g

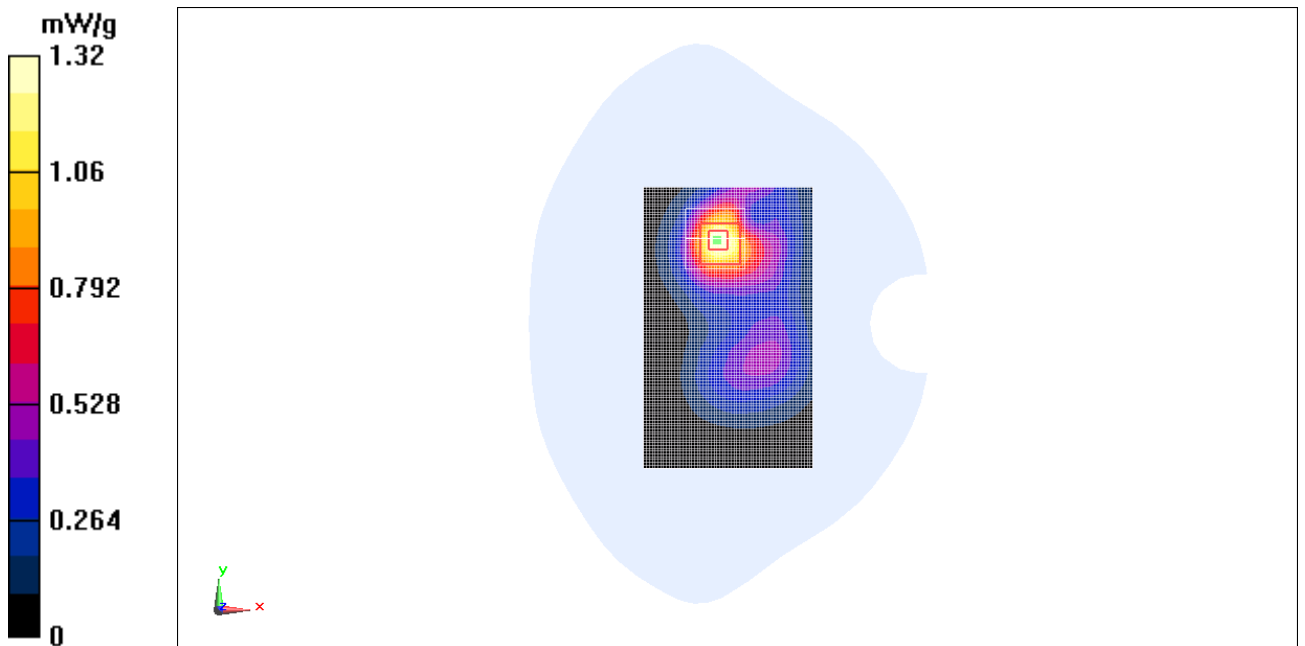


Fig. 66 1700 MHz CH1513

**WCDMA 1700 Body Towards Ground Middle**

Date/Time: 2011-5-17 15:00:07

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1732.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Toward Ground Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.36 mW/g

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

Reference Value = 14.2 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 2.09 W/kg

**SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.699 mW/g**

Maximum value of SAR (measured) = 1.33 mW/g

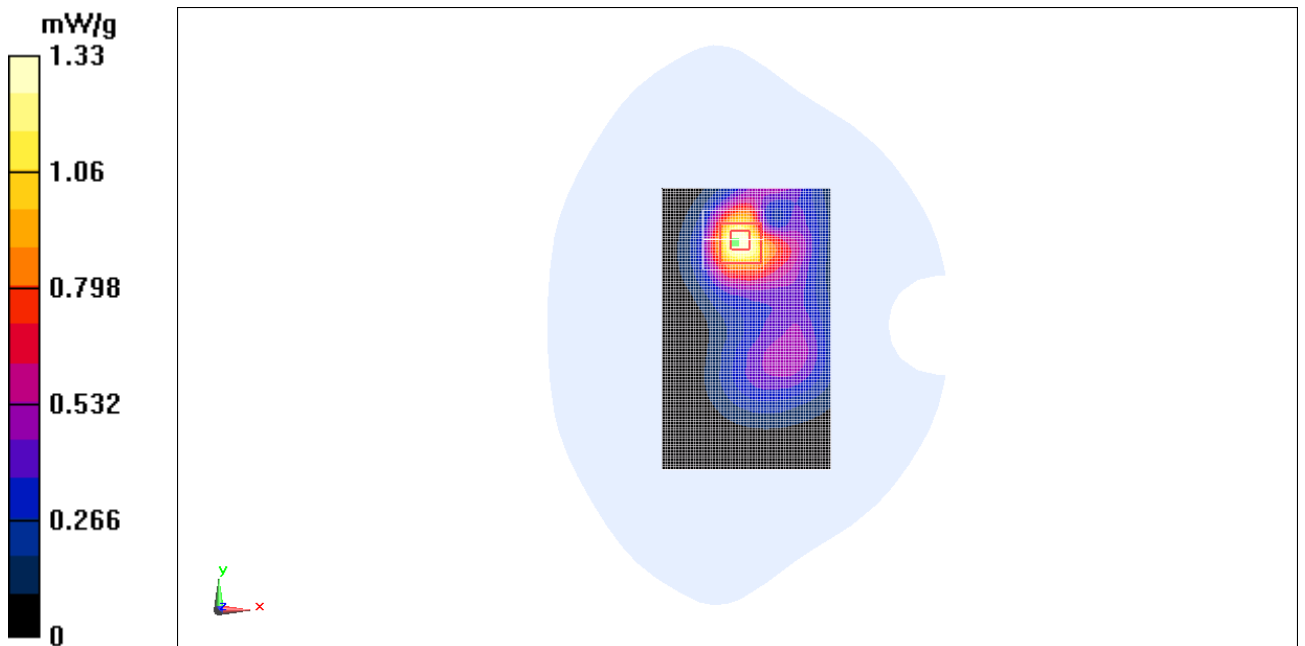


Fig. 67 1700 MHz CH1412

**WCDMA 1700 Body Towards Ground Low**

Date/Time: 2011-5-17 14:29:21

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1712.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Toward Ground Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.15 mW/g

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

Reference Value = 13.8 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.585 mW/g**

Maximum value of SAR (measured) = 1.11 mW/g

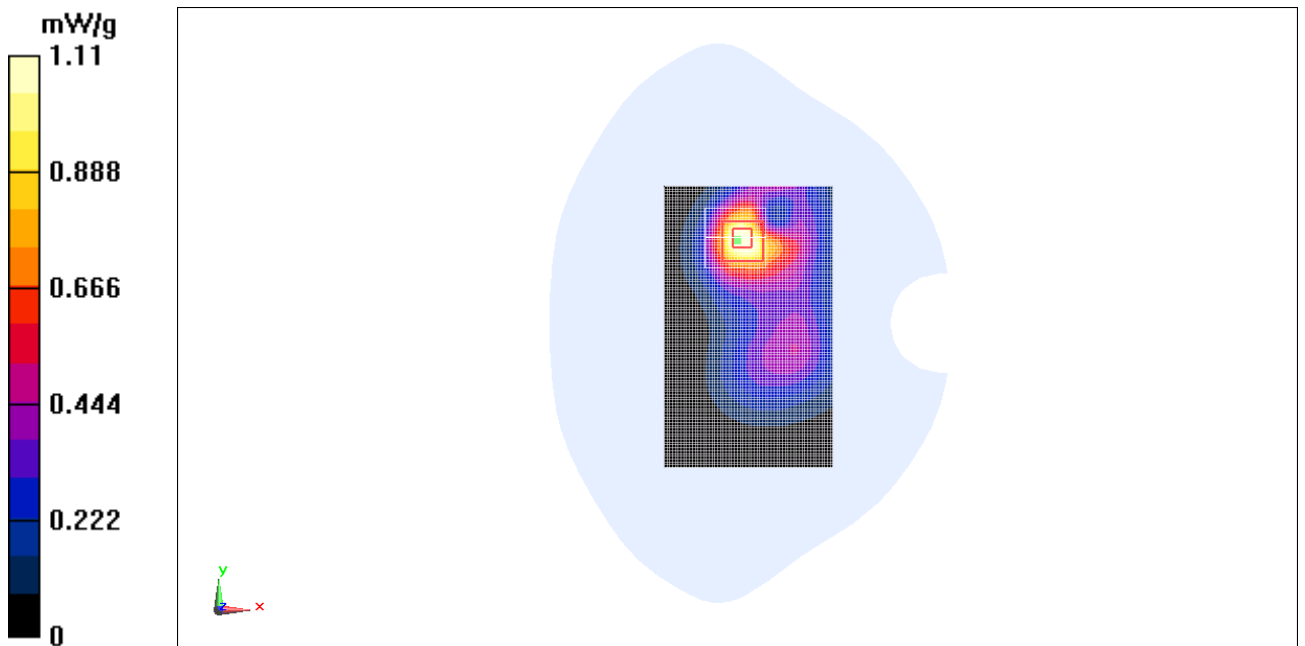


Fig. 68 1700 MHz CH1312

**WCDMA 1700 Body Left Side Low**

Date/Time: 2011-5-17 15:15:58

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1712.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Left Side Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.317 mW/g

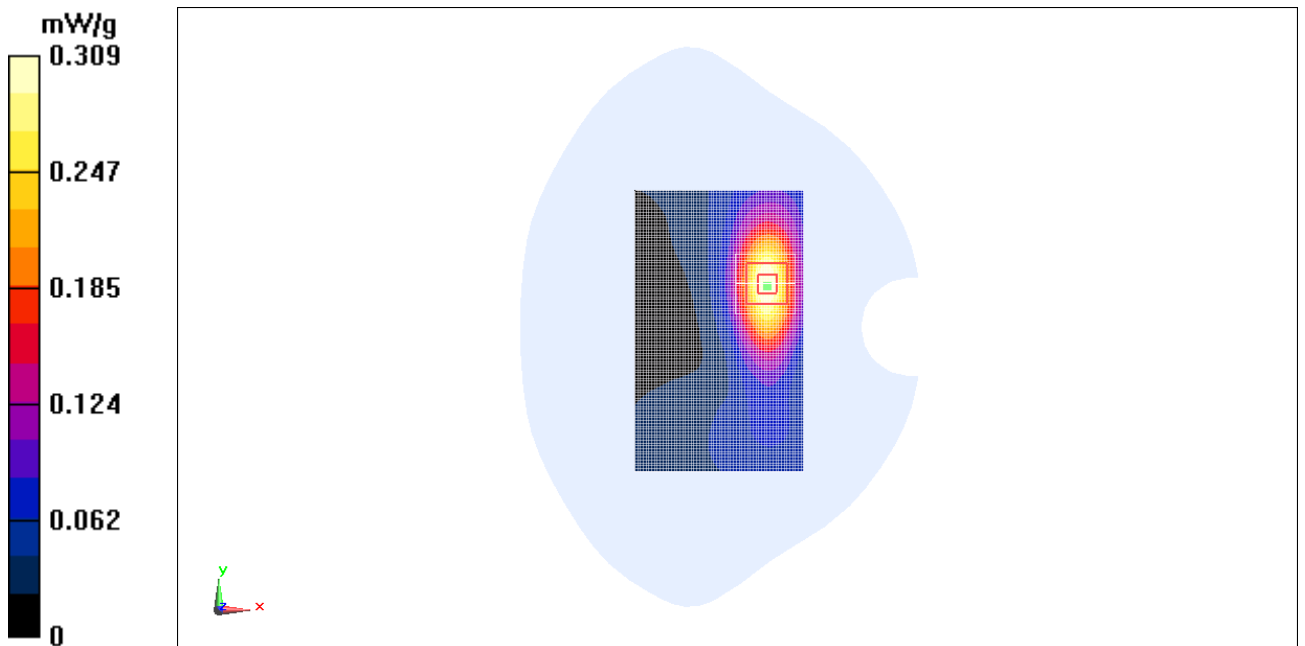
**Left Side Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.73 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 0.450 W/kg

**SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.172 mW/g**

Maximum value of SAR (measured) = 0.309 mW/g



**Fig. 69 1700 MHz CH1312**



**WCDMA 1700 Body Right Side Low**

Date/Time: 2011-5-17 15:31:30

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1712.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Right Side Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 12.4 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.646 W/kg

**SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.250 mW/g**

Maximum value of SAR (measured) = 0.443 mW/g

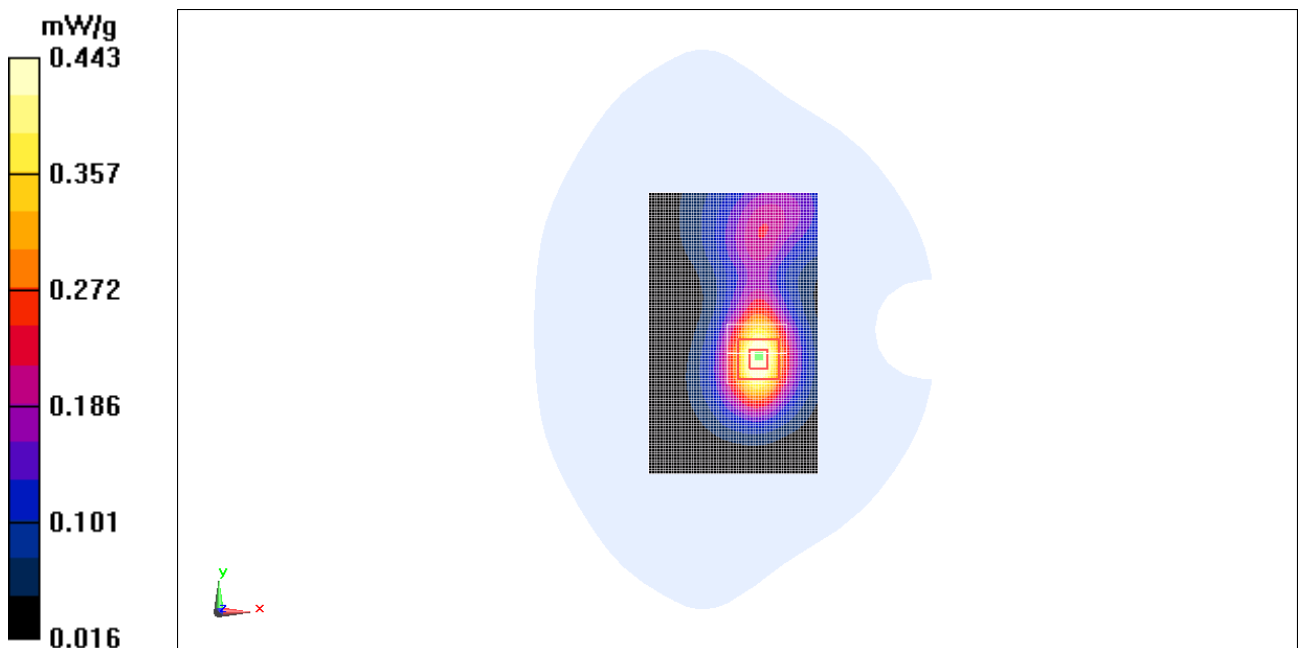


Fig. 70 1700 MHz CH1312

**WCDMA 1700 Body Bottom Side High**

Date/Time: 2011-5-17 16:02:34

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1752.6 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Bottom Side High/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 12.2 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 1.86 W/kg

**SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.557 mW/g**

Maximum value of SAR (measured) = 1.24 mW/g

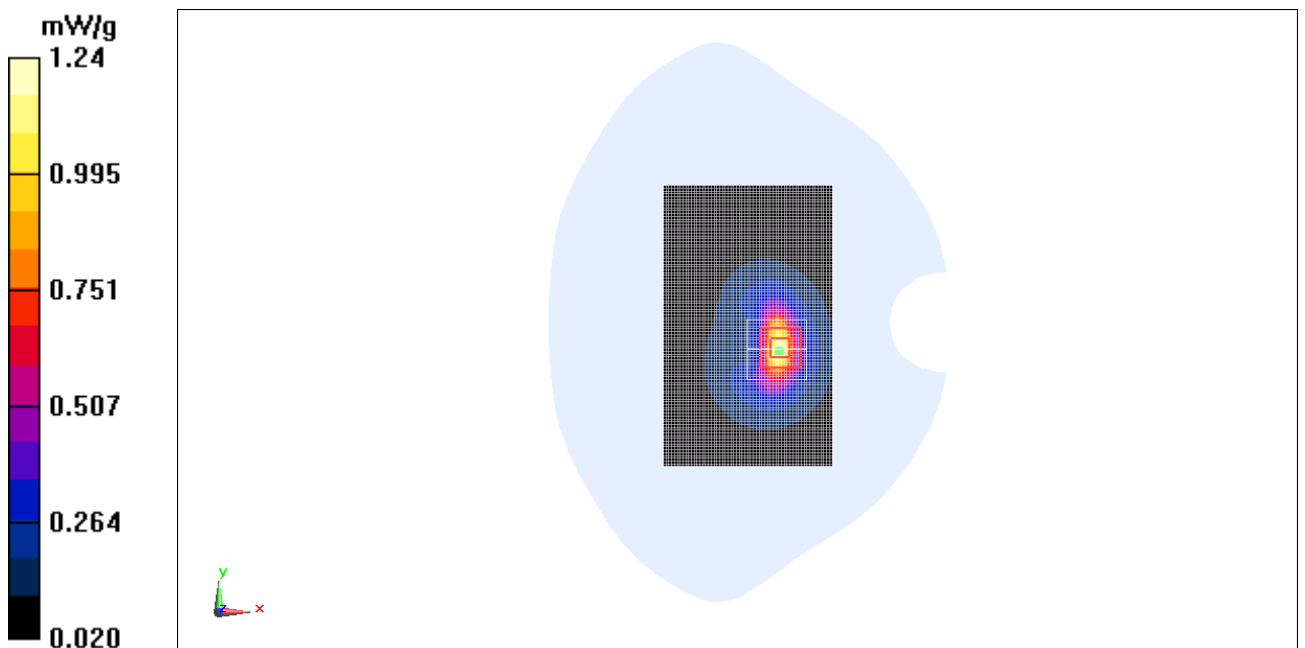


Fig. 71 1700 MHz CH1513

**WCDMA 1700 Body Bottom Side Middle**

Date/Time: 2011-5-17 16:17:56

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1732.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Bottom Side Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.35 mW/g

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

Reference Value = 12.6 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 2.07 W/kg

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.615 mW/g**

Maximum value of SAR (measured) = 1.36 mW/g

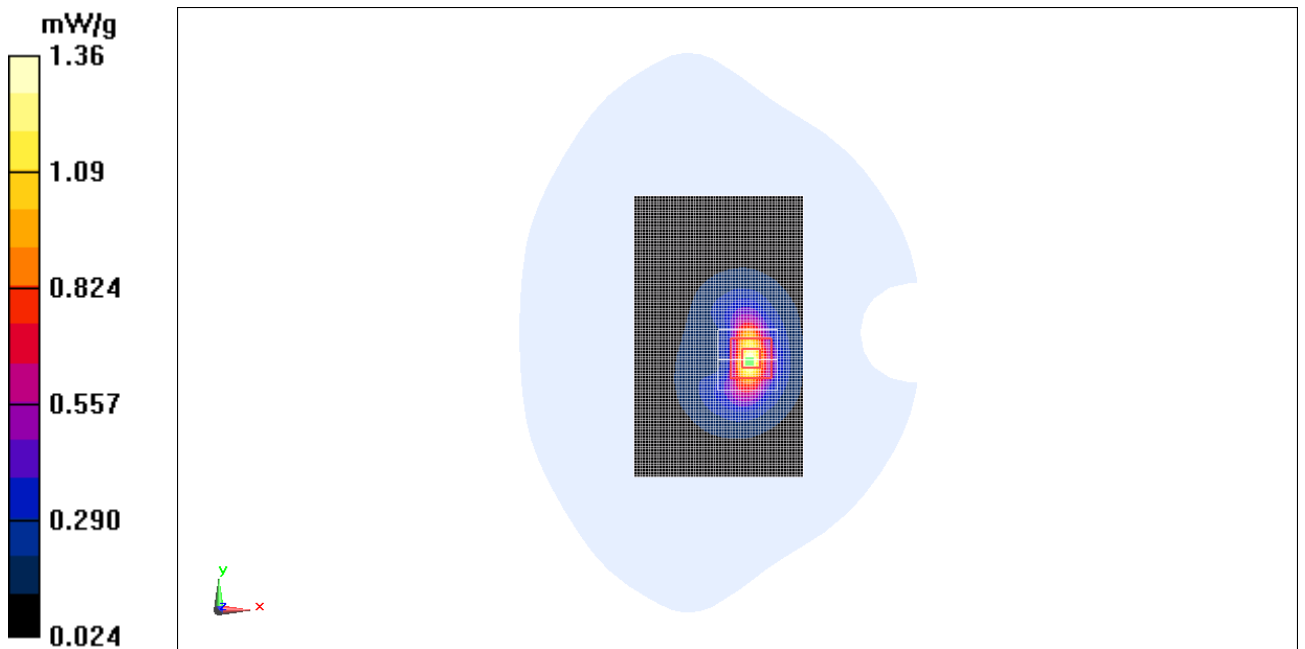


Fig. 72 1700 MHz CH1412

**WCDMA 1700 Body Bottom Side Low**

Date/Time: 2011-5-17 15:47:11

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1712.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Bottom Side Low/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.13 mW/g

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

Reference Value = 11.2 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 1.7 W/kg

**SAR(1 g) = 0.992 mW/g; SAR(10 g) = 0.514 mW/g**

Maximum value of SAR (measured) = 1.14 mW/g

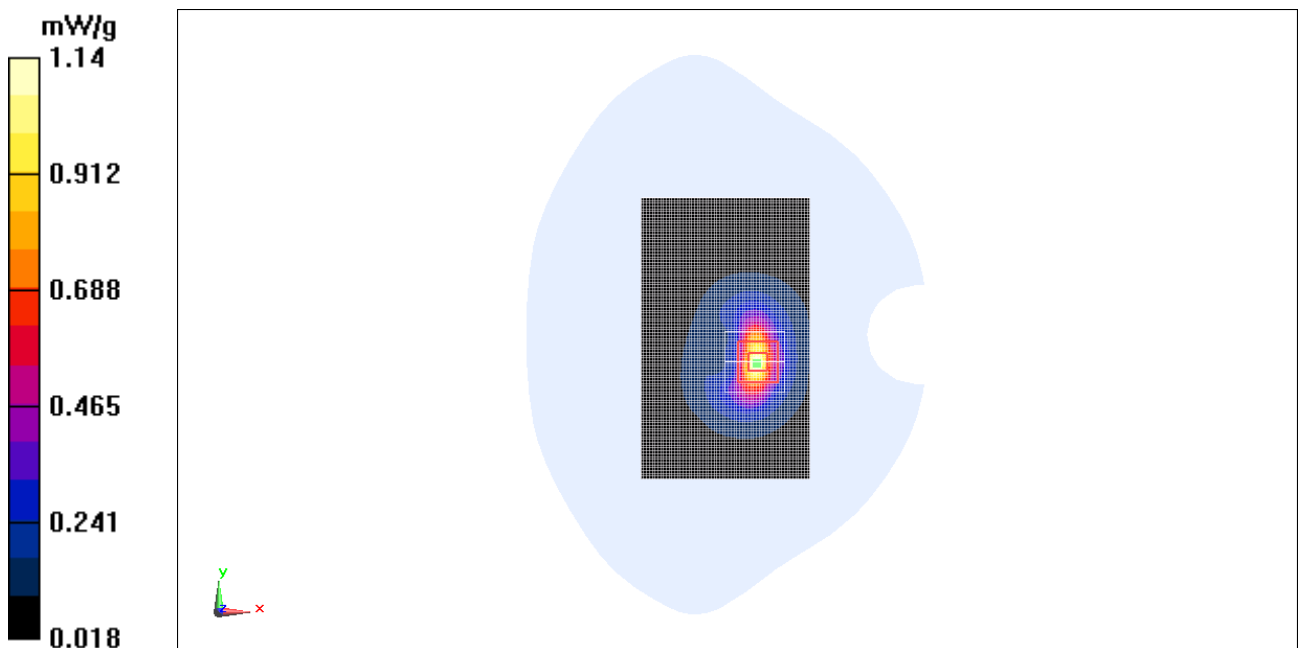


Fig. 73 1700 MHz CH1312

**WCDMA 1700 Body Towards Phantom Middle with Headset\_CCB3160A10C0**

Date/Time: 2011-5-17 16:34:50

Electronics: DAE4 Sn771

Medium: Body 1800 MHz

Medium parameters used (interpolated):  $f = 1732.4$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.0 °C      Liquid Temperature: 22.5 °C

Communication System: WCDMA 1700 Frequency: 1732.4 MHz Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(4.97, 4.97, 4.97)

**Toward Phantom Middle/Area Scan (61x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.36 mW/g

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

Reference Value = 18.8 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 2.1 W/kg

**SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.692 mW/g**

Maximum value of SAR (measured) = 1.44 mW/g

**Toward Phantom Middle/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 1.87 W/kg

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.609 mW/g**

Maximum value of SAR (measured) = 1.2 mW/g

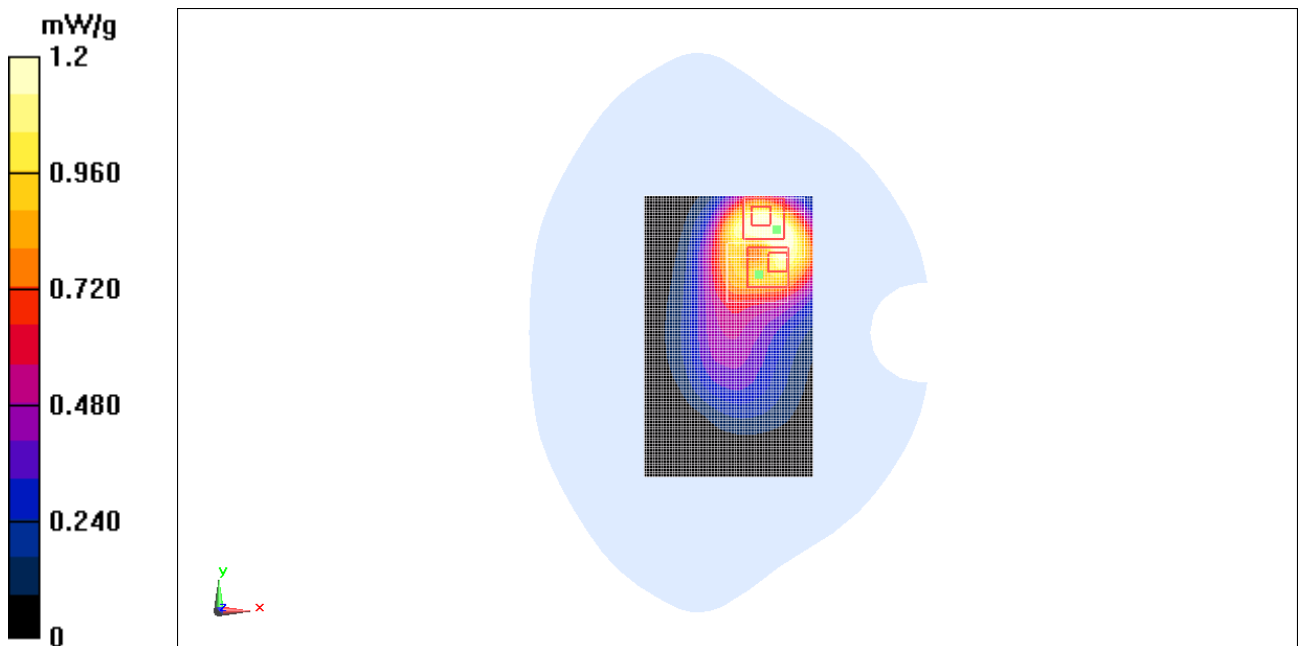


Fig. 74 1700 MHz CH1412