

### 850 Right Cheek Middle

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.888$  mho/m;  $\epsilon_r = 40.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: GSM; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

Maximum value of SAR (interpolated) = 0.734 mW/g

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

Reference Value = 9.141 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.825 mW/g

**SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.534 mW/g**

Maximum value of SAR (measured) = 0.722 mW/g

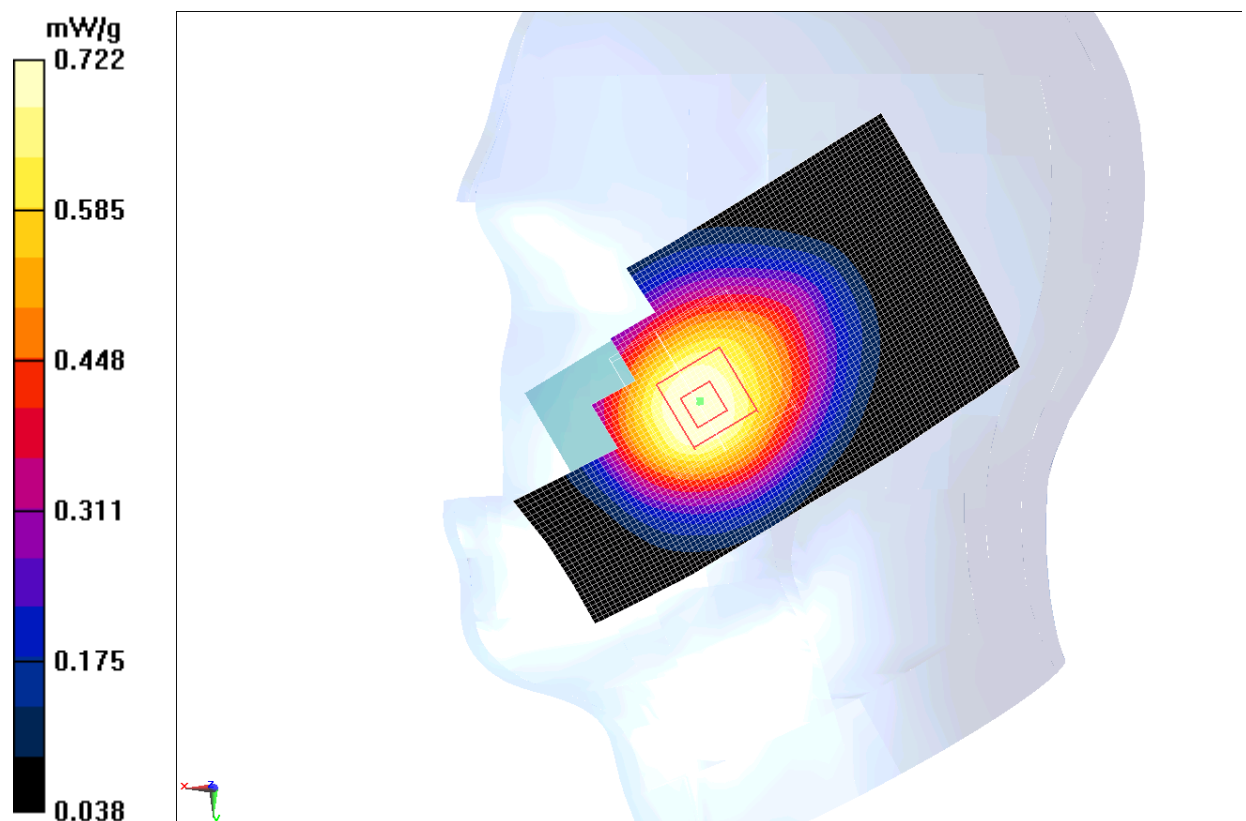


Fig. 8 850 MHz CH190

**850 Right Cheek Low**

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.877 \text{ mho/m}$ ;  $\epsilon_r = 41.065$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.5^\circ\text{C}$       Liquid Temperature:  $22.0^\circ\text{C}$

Communication System: GSM; Frequency:  $824.2 \text{ MHz}$ ; Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

Maximum value of SAR (interpolated) =  $0.794 \text{ mW/g}$

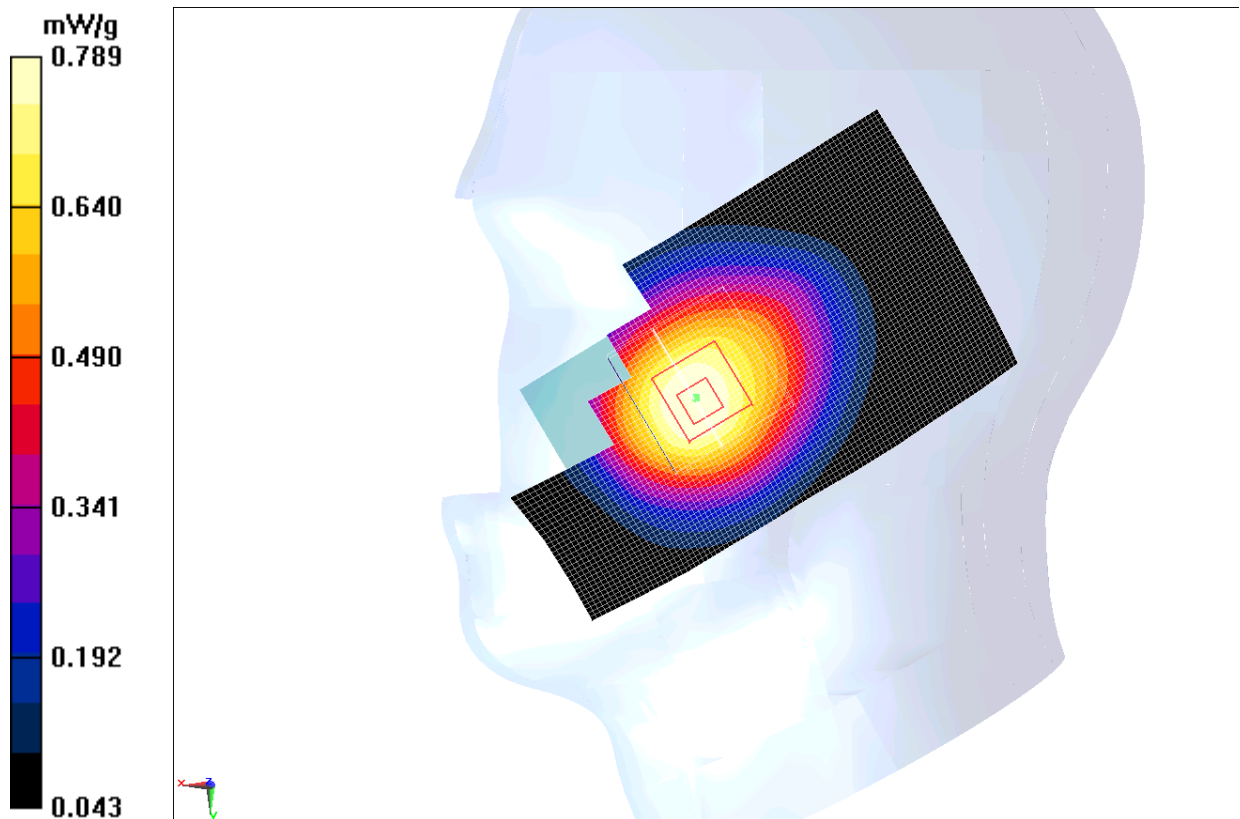
**Cheek Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $9.227 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.898 \text{ mW/g}$

**SAR(1 g) =  $0.754 \text{ mW/g}$ ; SAR(10 g) =  $0.584 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.789 \text{ mW/g}$



**Fig. 9 850 MHz CH128**

### 850 Right Tilt High

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.90$  mho/m;  $\epsilon_r = 40.768$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: GSM 850 Frequency: 848.8 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

Maximum value of SAR (interpolated) = 0.419 mW/g

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

Reference Value = 13.340 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.487 mW/g

**SAR(1 g) = 0.390 mW/g; SAR(10 g) = 0.295 mW/g**

Maximum value of SAR (measured) = 0.409 mW/g

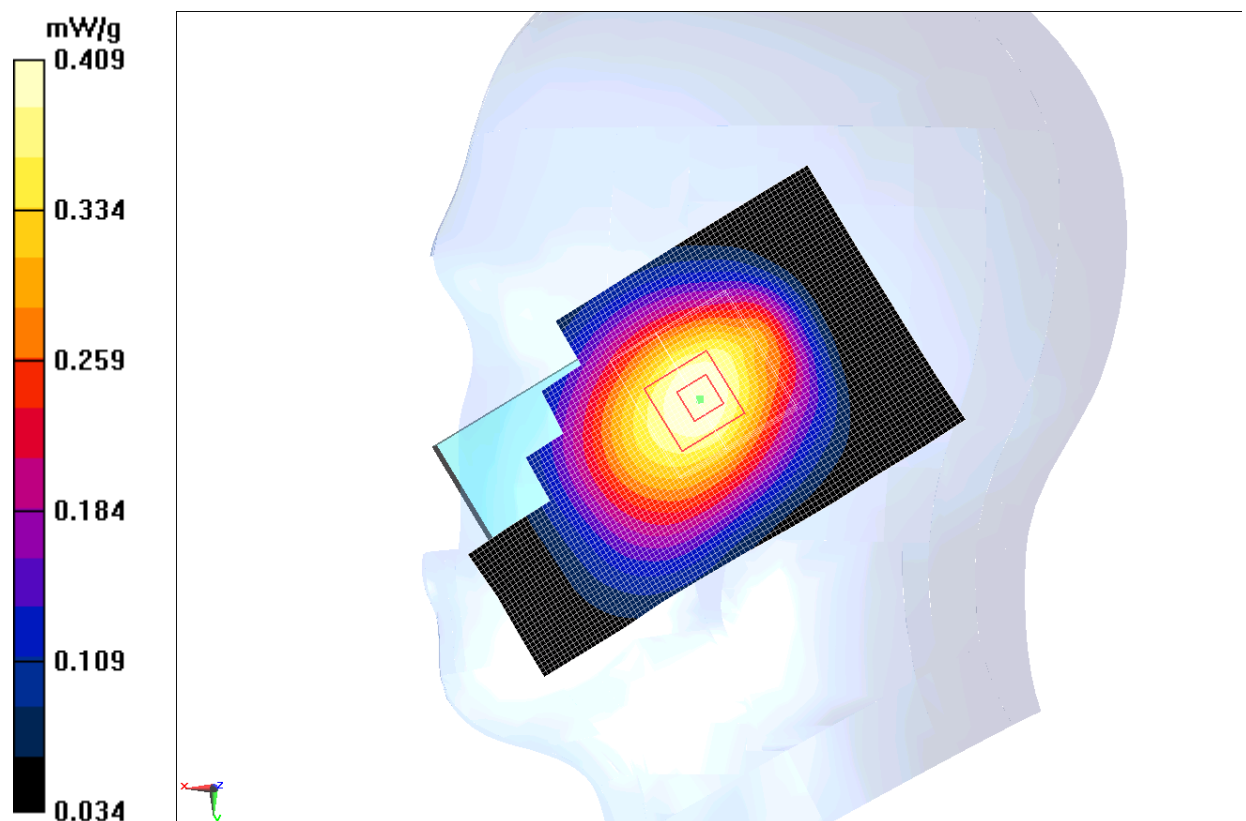


Fig.10 850 MHz CH251

### 850 Right Tilt Middle

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.888$  mho/m;  $\epsilon_r = 40.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: GSM 850 Frequency: 836.6 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

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

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

Reference Value = 13.954 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.525 mW/g

**SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.319 mW/g**

Maximum value of SAR (measured) = 0.444 mW/g

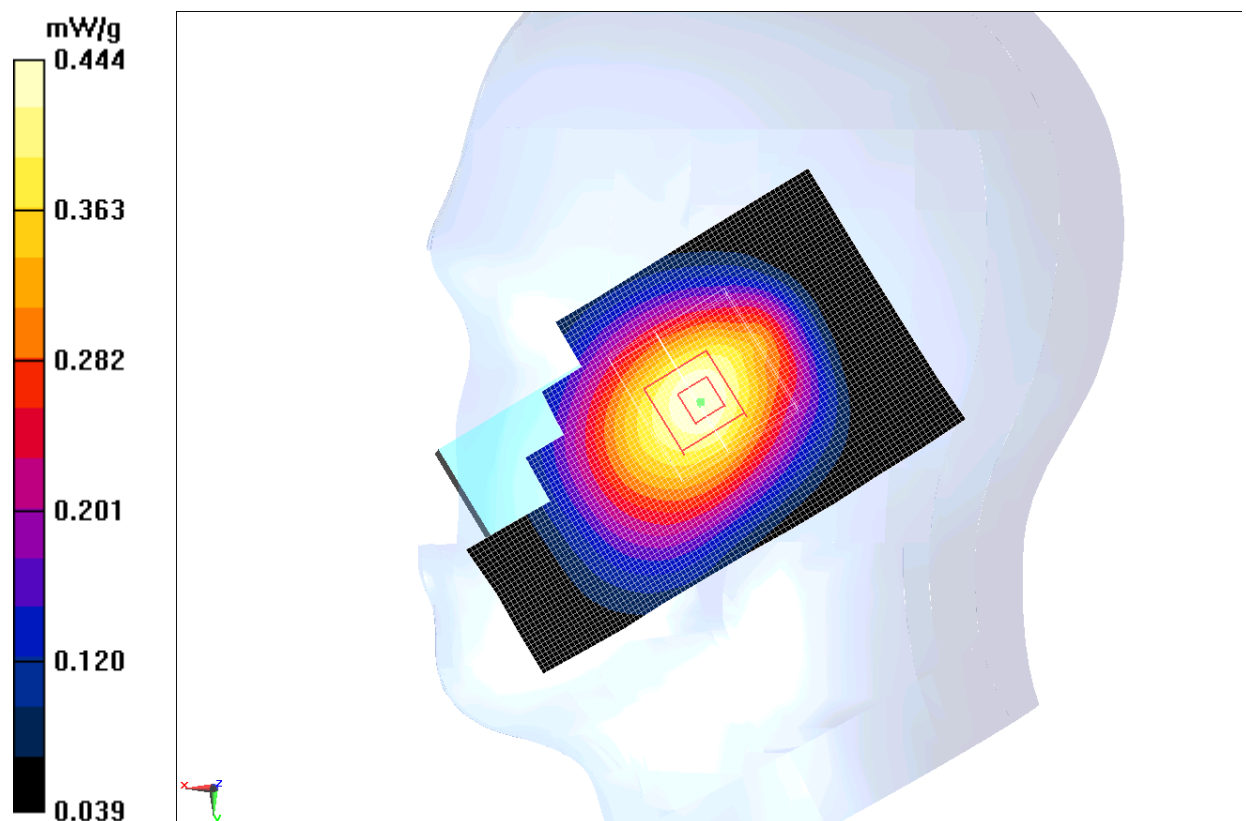


Fig.11 850 MHz CH190

### 850 Right Tilt Low

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.877$  mho/m;  $\epsilon_r = 41.065$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: GSM 850 Frequency: 824.2 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

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

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

Reference Value = 14.806 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.576 mW/g

**SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.349 mW/g**

Maximum value of SAR (measured) = 0.484 mW/g

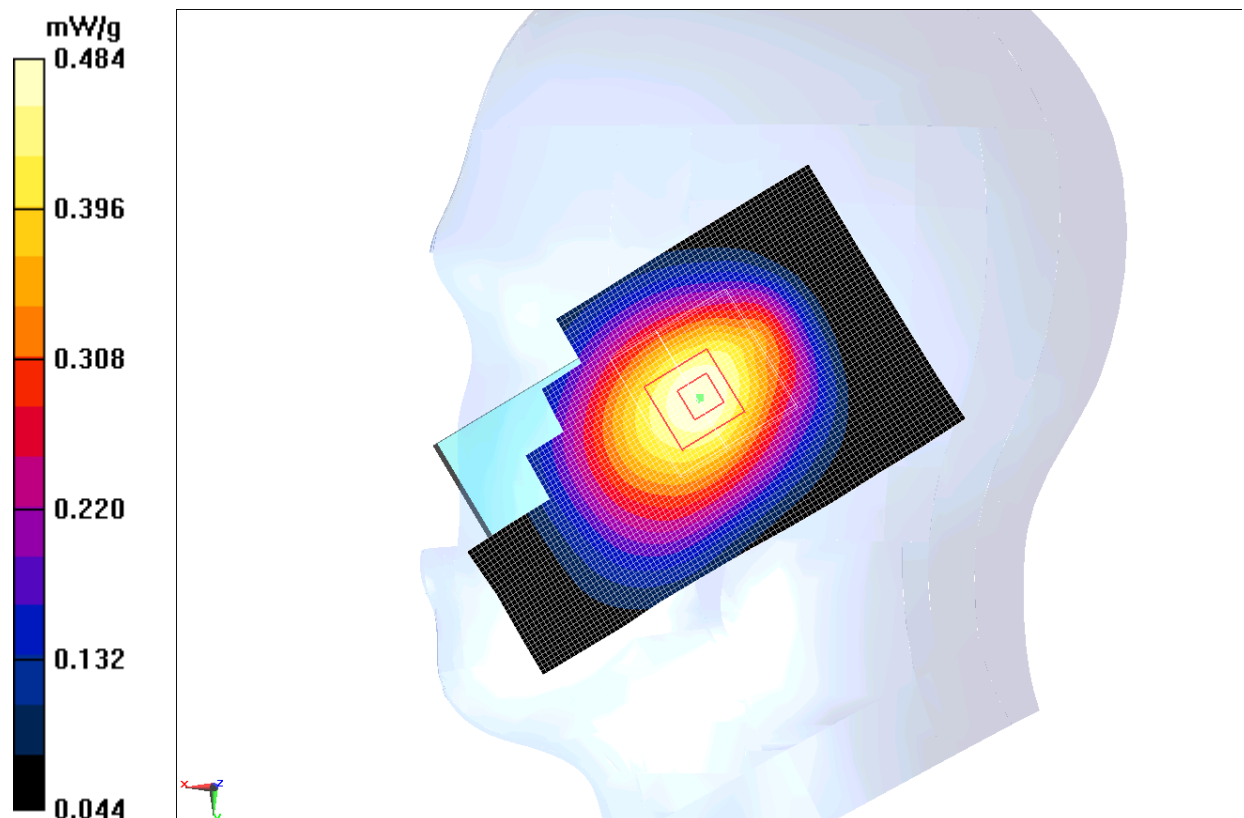


Fig. 12 850 MHz CH128

### 850 Body Towards Phantom Low

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.977 \text{ mho/m}$ ;  $\epsilon_r = 54.684$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.5^\circ\text{C}$       Liquid Temperature:  $22.0^\circ\text{C}$

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

Probe: ES3DV3 - SN3149 ConvF(6.14, 6.14, 6.14)

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

Maximum value of SAR (interpolated) =  $0.717 \text{ mW/g}$

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

Reference Value =  $25.045 \text{ V/m}$ ; Power Drift =  $-0.11 \text{ dB}$

Peak SAR (extrapolated) =  $0.907 \text{ mW/g}$

**SAR(1 g) =  $0.676 \text{ mW/g}$ ; SAR(10 g) =  $0.502 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.718 \text{ mW/g}$

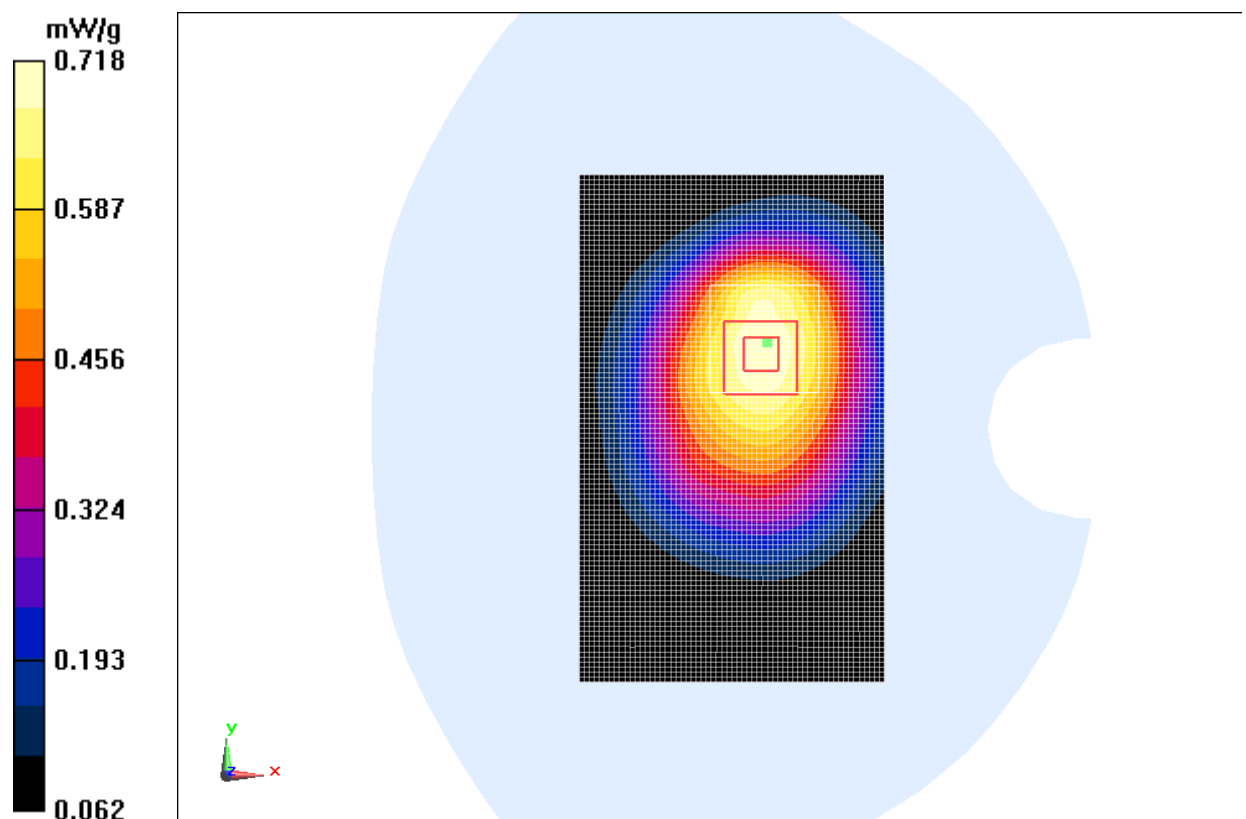


Fig. 13 850 MHz CH128



### 850 Body Towards Ground High

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.003$  mho/m;  $\epsilon_r = 54.441$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

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

Probe: ES3DV3 - SN3149 ConvF(6.14, 6.14, 6.14)

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

Maximum value of SAR (interpolated) = 0.888 mW/g

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

Reference Value = 23.033 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.231 mW/g

**SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.569 mW/g**

Maximum value of SAR (measured) = 0.856 mW/g

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

Reference Value = 23.033 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.058 mW/g

**SAR(1 g) = 0.714 mW/g; SAR(10 g) = 0.466 mW/g**

Maximum value of SAR (measured) = 0.786 mW/g

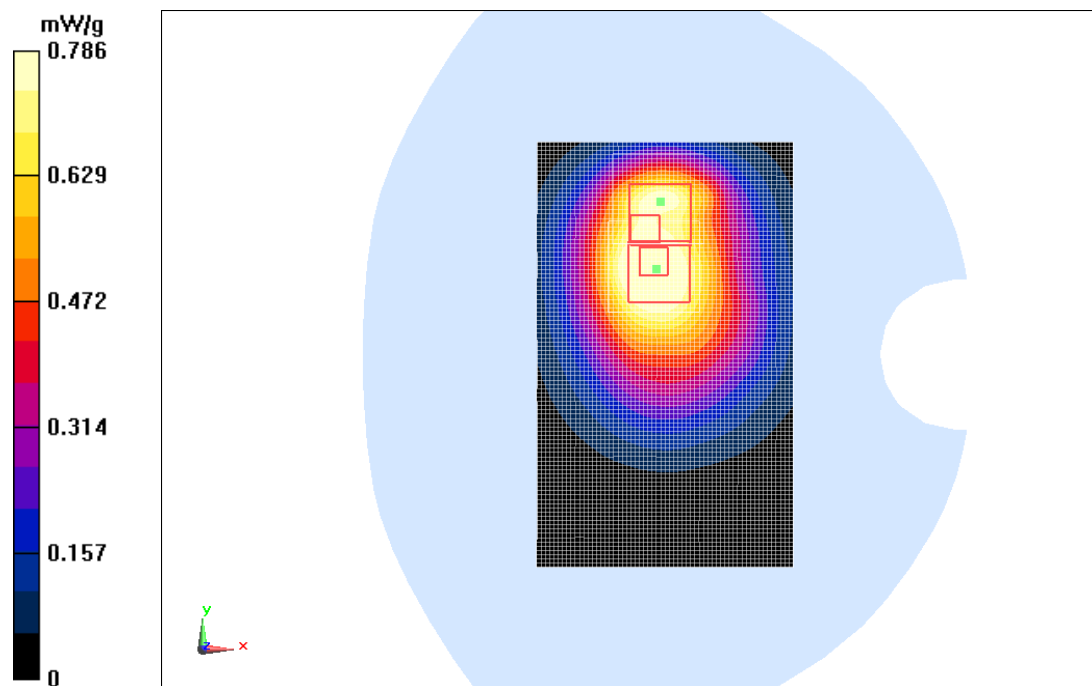


Fig. 14 850 MHz CH251

### 850 Body Towards Ground Middle

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 54.557$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

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

Probe: ES3DV3 - SN3149 ConvF(6.14, 6.14, 6.14)

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

Maximum value of SAR (interpolated) = 0.786 mW/g

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

Reference Value = 22.533 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.101 mW/g

**SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.533 mW/g**

Maximum value of SAR (measured) = 0.820 mW/g

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

Reference Value = 22.533 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.986 mW/g

**SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.438 mW/g**

Maximum value of SAR (measured) = 0.746 mW/g

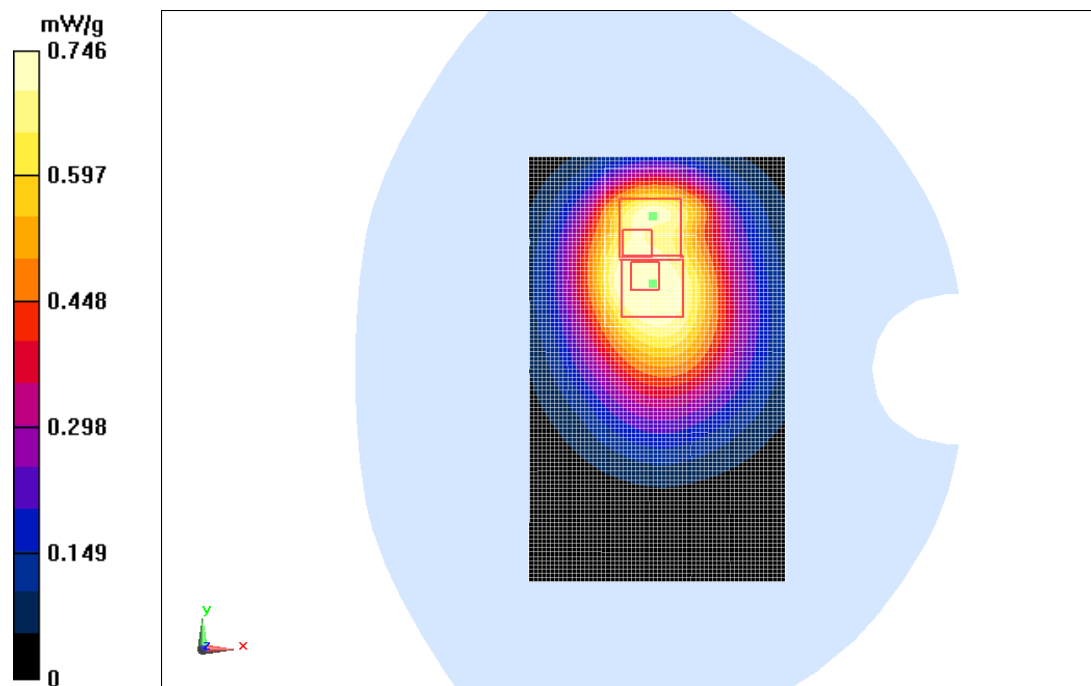


Fig. 15 850 MHz CH190



### 850 Body Towards Ground Low

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 54.684$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

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

Probe: ES3DV3 - SN3149 ConvF(6.14, 6.14, 6.14)

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

Maximum value of SAR (interpolated) = 0.903 mW/g

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

Reference Value = 23.390 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.194 mW/g

**SAR(1 g) = 0.834 mW/g; SAR(10 g) = 0.574 mW/g**

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

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

Reference Value = 23.390 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.043 mW/g

**SAR(1 g) = 0.720 mW/g; SAR(10 g) = 0.474 mW/g**

Maximum value of SAR (measured) = 0.807 mW/g

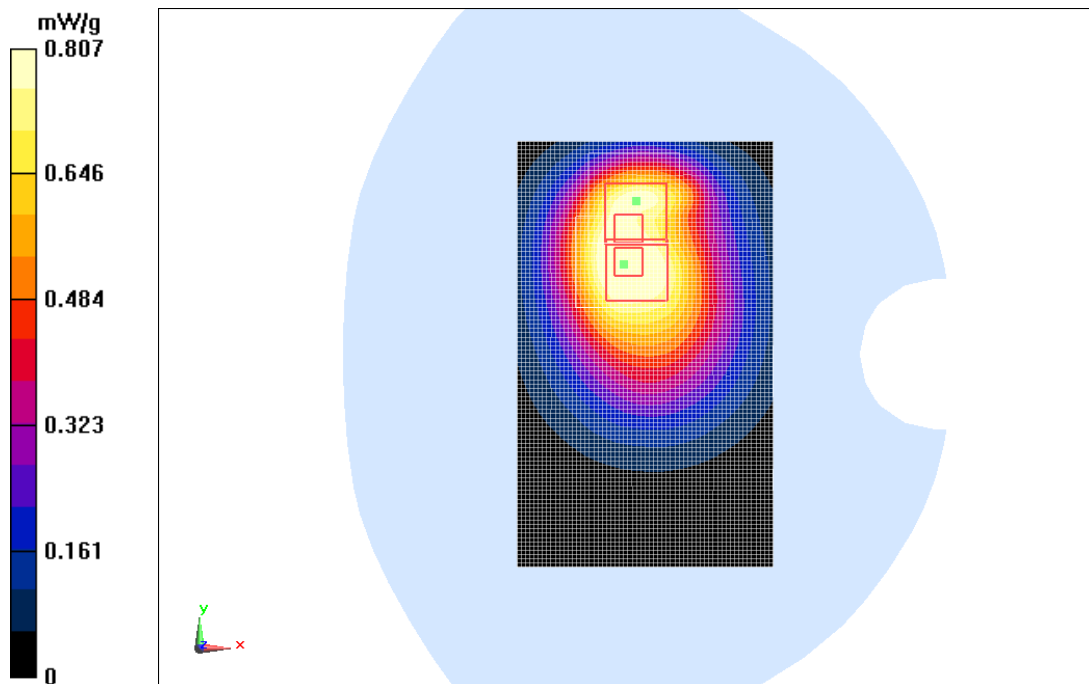
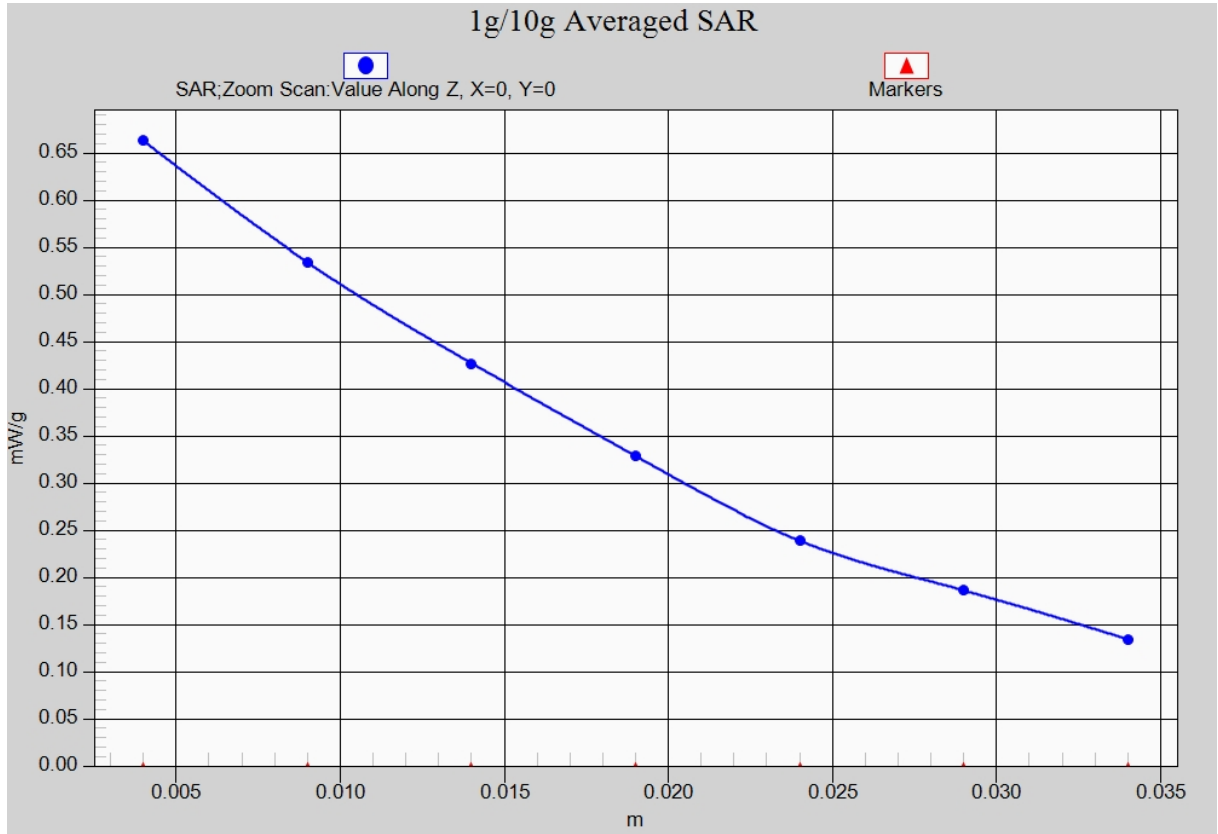


Fig. 16 850 MHz CH128



**Fig. 16-1 Z-Scan at power reference point (850 MHz CH128)**

### 850 Body Left Side Low

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 54.684$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

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

Probe: ES3DV3 - SN3149 ConvF(6.14, 6.14, 6.14)

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

Maximum value of SAR (interpolated) = 0.600 mW/g

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

Reference Value = 22.817 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.850 mW/g

**SAR(1 g) = 0.546 mW/g; SAR(10 g) = 0.364 mW/g**

Maximum value of SAR (measured) = 0.588 mW/g

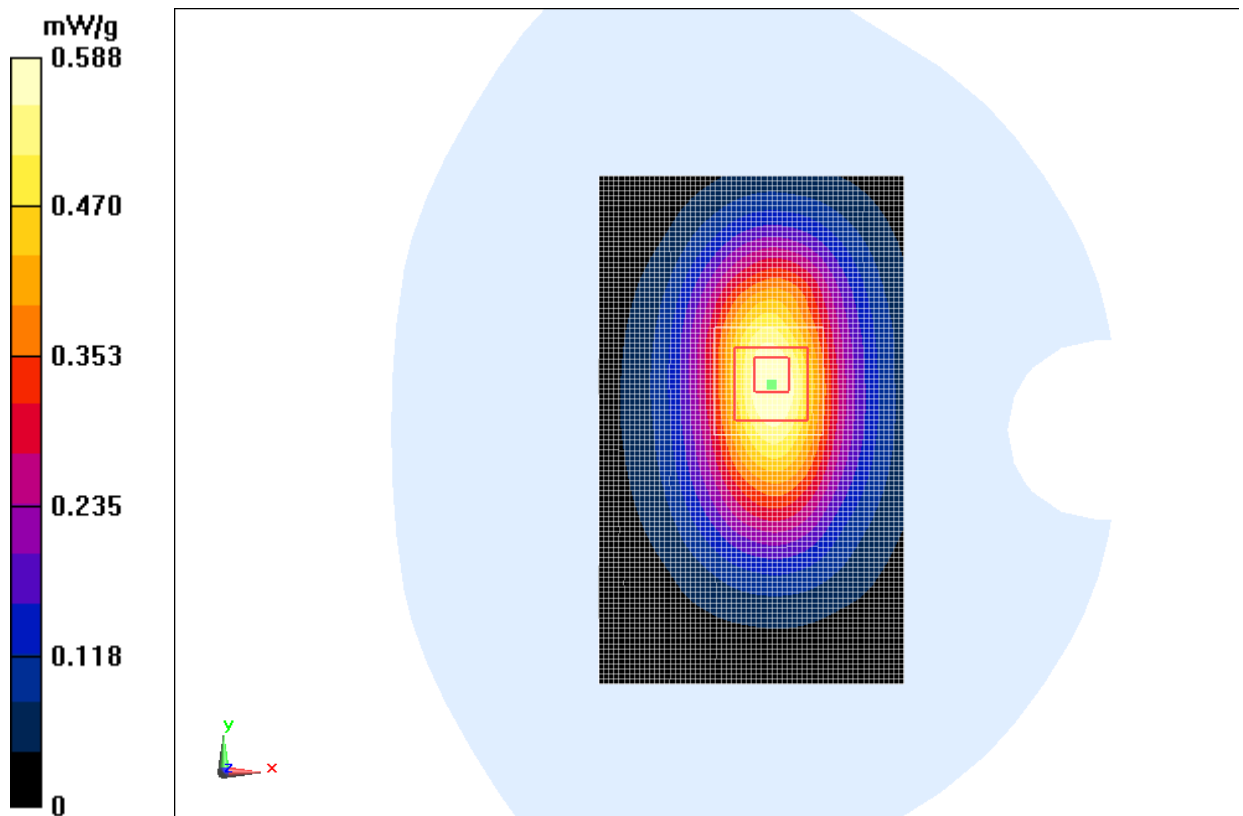


Fig. 17 850 MHz CH128

### 850 Body Right Side Low

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.977 \text{ mho/m}$ ;  $\epsilon_r = 54.684$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.5^\circ\text{C}$       Liquid Temperature:  $22.0^\circ\text{C}$

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

Probe: ES3DV3 - SN3149 ConvF(6.14, 6.14, 6.14)

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

Maximum value of SAR (interpolated) =  $0.501 \text{ mW/g}$

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

Reference Value =  $22.079 \text{ V/m}$ ; Power Drift =  $-0.14 \text{ dB}$

Peak SAR (extrapolated) =  $0.654 \text{ mW/g}$

**SAR(1 g) =  $0.458 \text{ mW/g}$ ; SAR(10 g) =  $0.314 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.492 \text{ mW/g}$

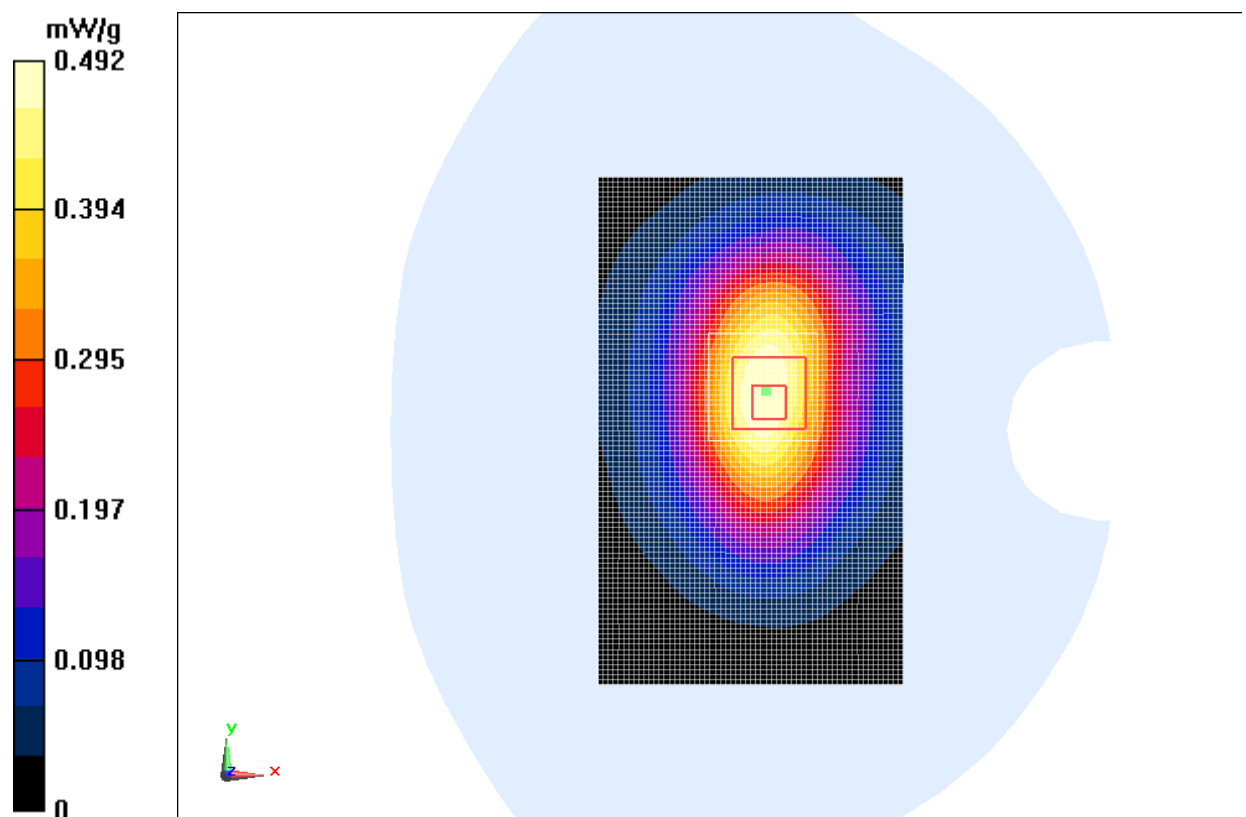


Fig. 18 850 MHz CH128

**850 Body Bottom Side Low**

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.977 \text{ mho/m}$ ;  $\epsilon_r = 54.684$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.5^\circ\text{C}$       Liquid Temperature:  $22.0^\circ\text{C}$

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

Probe: ES3DV3 - SN3149 ConvF(6.14, 6.14, 6.14)

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

Maximum value of SAR (interpolated) =  $0.138 \text{ mW/g}$

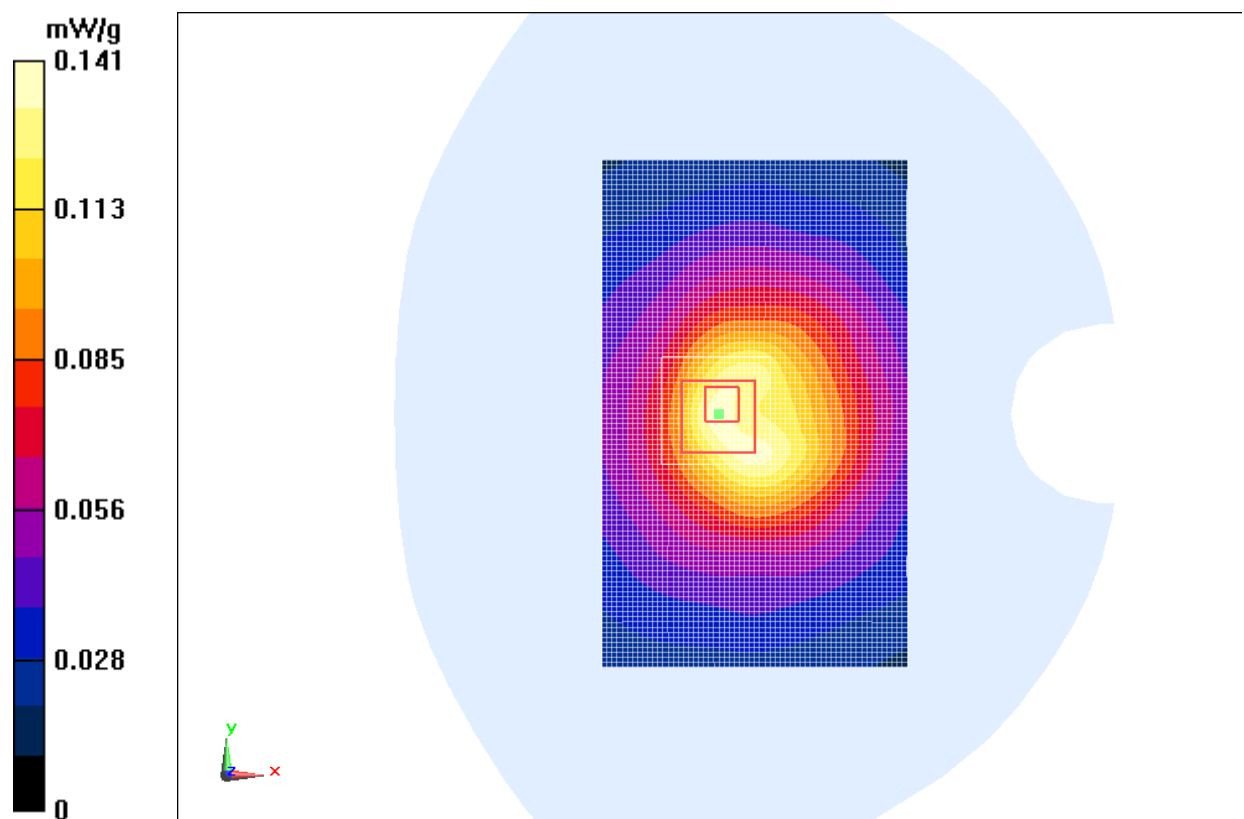
**Bottom Side Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $11.035 \text{ V/m}$ ; Power Drift =  $0.19 \text{ dB}$

Peak SAR (extrapolated) =  $0.226 \text{ mW/g}$

**SAR(1 g) =  $0.129 \text{ mW/g}$ ; SAR(10 g) =  $0.080 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.141 \text{ mW/g}$



**Fig. 19 850 MHz CH128**

### 850 Body Towards Ground Low with EGPRS

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 54.684$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

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

Probe: ES3DV3 - SN3149 ConvF(6.14, 6.14, 6.14)

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

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

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

Reference Value = 25.017 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.025 mW/g

**SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.534 mW/g**

Maximum value of SAR (measured) = 0.804 mW/g

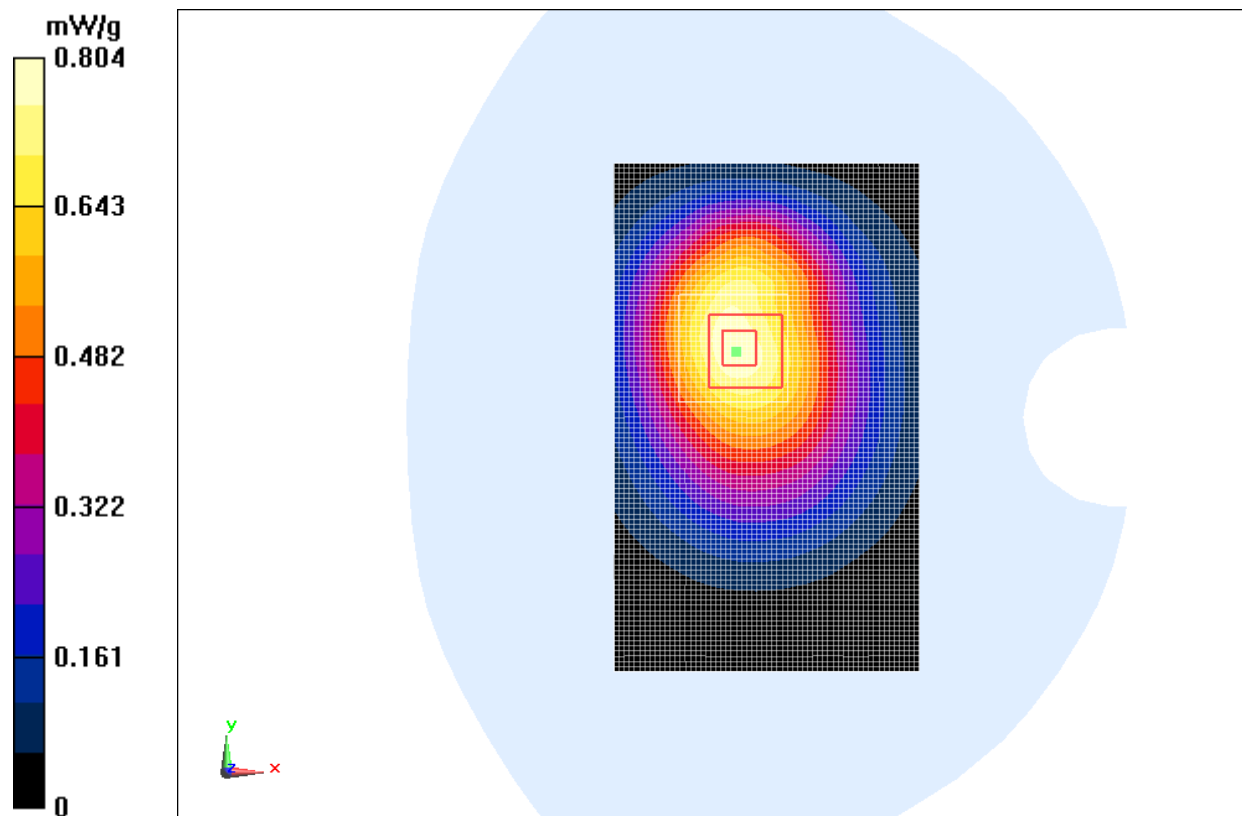


Fig. 20 850 MHz CH128



### 850 Body Towards Ground Low with Headset CCB3160A11C2

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.977 \text{ mho/m}$ ;  $\epsilon_r = 54.684$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.5^\circ\text{C}$       Liquid Temperature:  $22.0^\circ\text{C}$

Communication System: GSM 850 Frequency:  $824.2 \text{ MHz}$  Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(6.14, 6.14, 6.14)

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

Maximum value of SAR (interpolated) =  $0.829 \text{ mW/g}$

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

Reference Value =  $23.339 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$

Peak SAR (extrapolated) =  $1.073 \text{ mW/g}$

**SAR(1 g) =  $0.766 \text{ mW/g}$ ; SAR(10 g) =  $0.533 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.815 \text{ mW/g}$

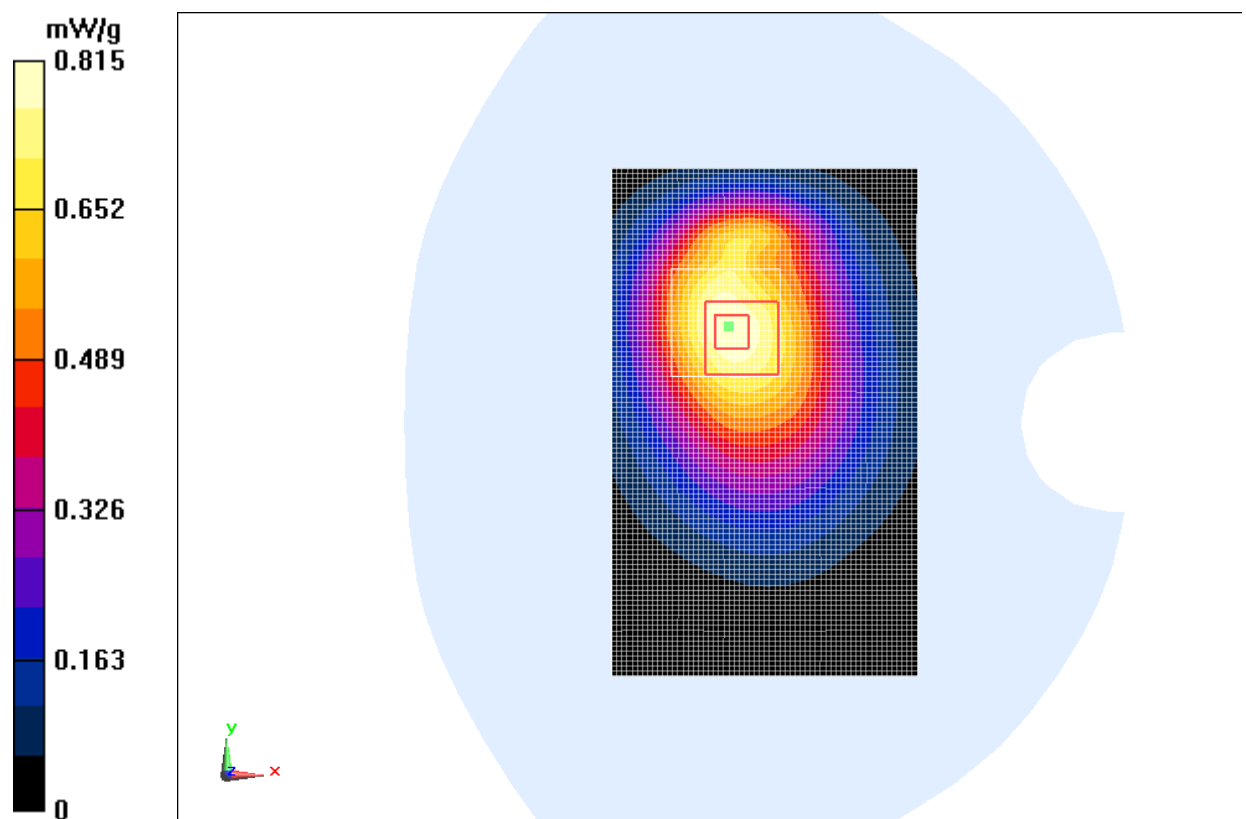


Fig. 21 850 MHz CH128

**850 Body Towards Ground Low with Headset CCB3160A11C4**

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 54.684$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: GSM 850 Frequency: 824.2 MHz Duty Cycle: 1:8.3

Probe: ES3DV3 - SN3149 ConvF(6.14, 6.14, 6.14)

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

Maximum value of SAR (interpolated) = 0.805 mW/g

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

Reference Value = 21.542 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.055 mW/g

**SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.510 mW/g**

Maximum value of SAR (measured) = 0.794 mW/g

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

Reference Value = 21.542 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.027 mW/g

**SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.432 mW/g**

Maximum value of SAR (measured) = 0.736 mW/g

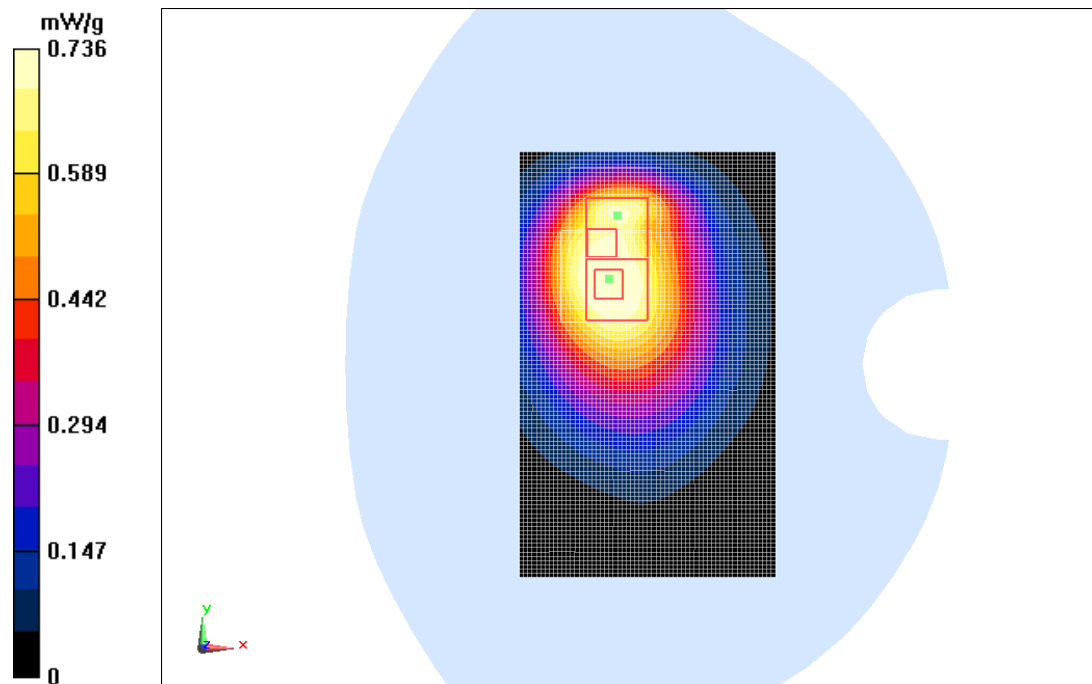


Fig. 22 850 MHz CH128

### 1900 Left Cheek High

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.401$  mho/m;  $\epsilon_r = 41.046$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Cheek High/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.705 mW/g

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

Reference Value = 8.357 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.185 mW/g

**SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.369 mW/g**

Maximum value of SAR (measured) = 0.742 mW/g

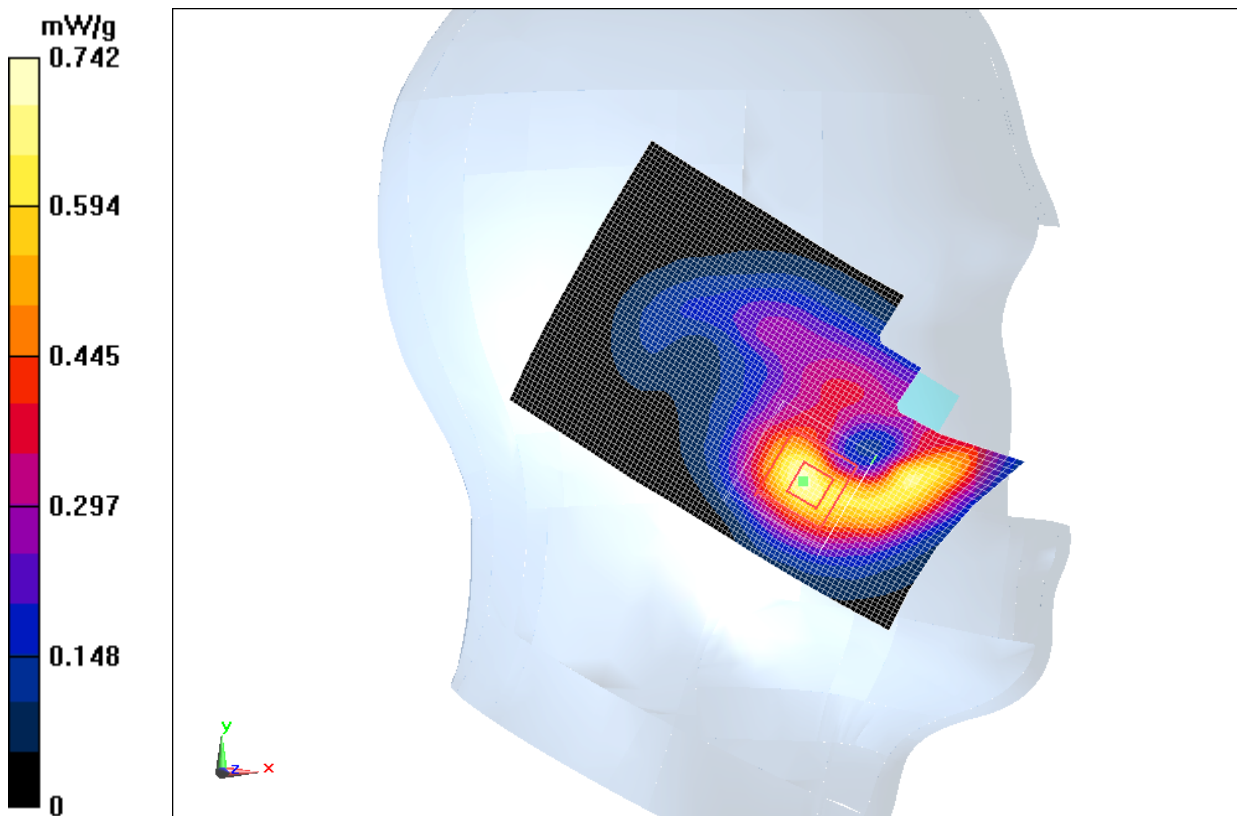


Fig. 23 1900 MHz CH810

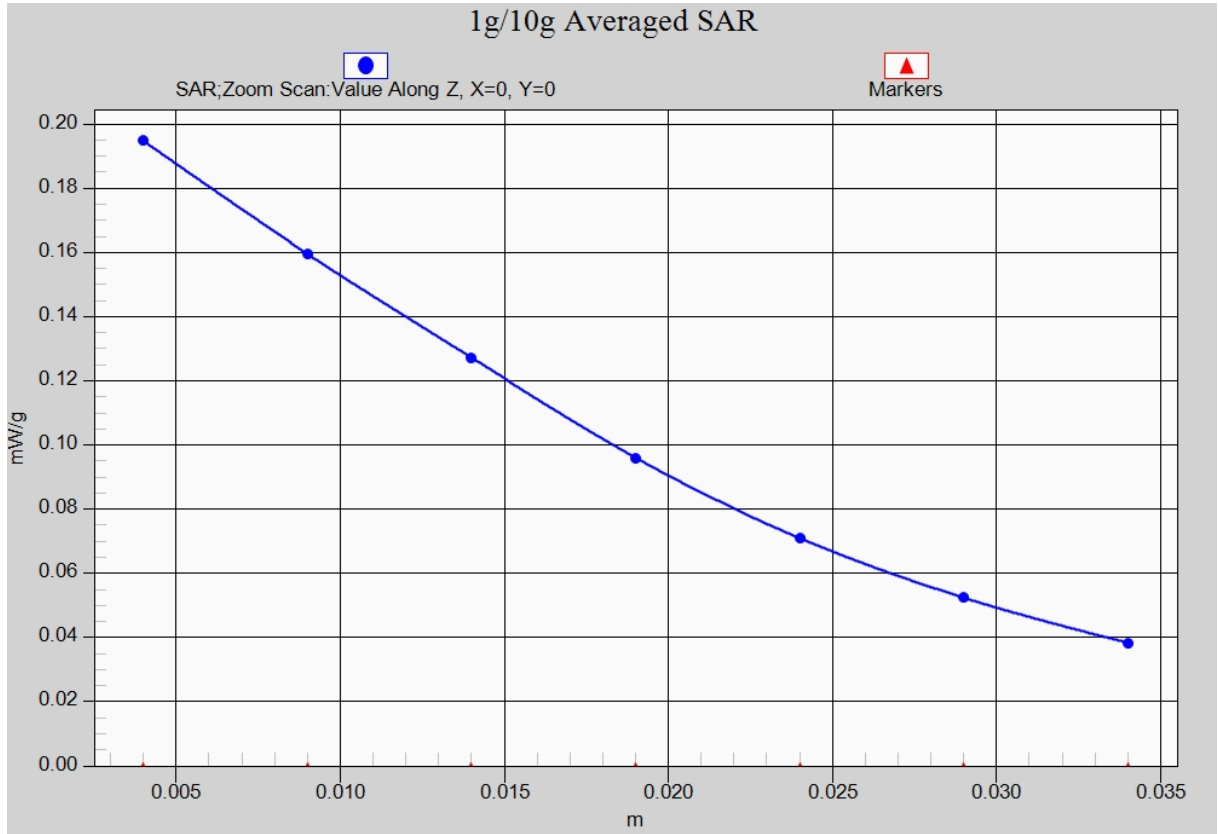


Fig. 23-1 Z-Scan at power reference point (1900 MHz CH810)

**1900 Left Cheek Middle**

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head GSM1900

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.373$  mho/m;  $\epsilon_r = 41.158$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Cheek Middle/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.588 mW/g

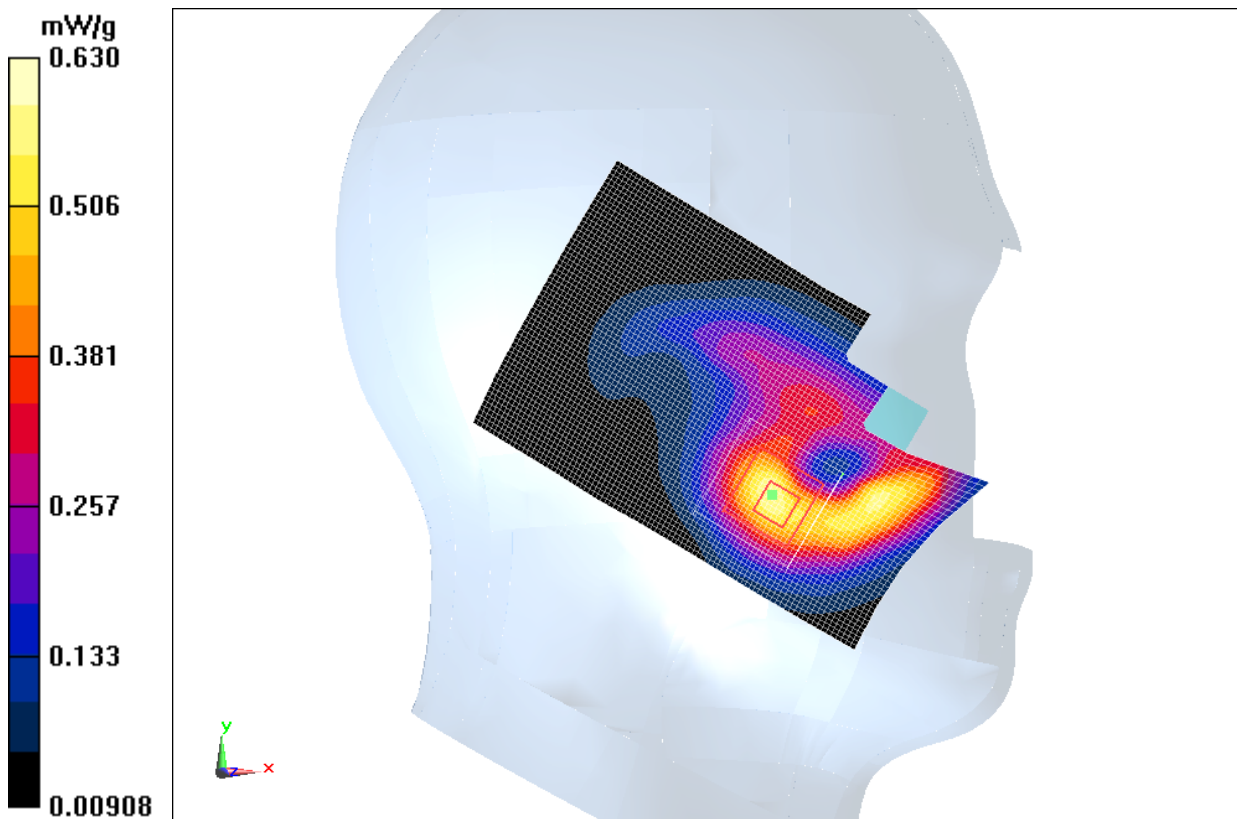
**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.882 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.003 mW/g

**SAR(1 g) = 0.578 mW/g; SAR(10 g) = 0.314 mW/g**

Maximum value of SAR (measured) = 0.630 mW/g



**Fig. 24 1900 MHz CH661**

### 1900 Left Cheek Low

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.343$  mho/m;  $\epsilon_r = 41.251$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Cheek Low/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.543 mW/g

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

Reference Value = 6.266 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.889 mW/g

**SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.287 mW/g**

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

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

Reference Value = 6.266 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.801 mW/g

**SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.243 mW/g**

Maximum value of SAR (measured) = 0.525 mW/g

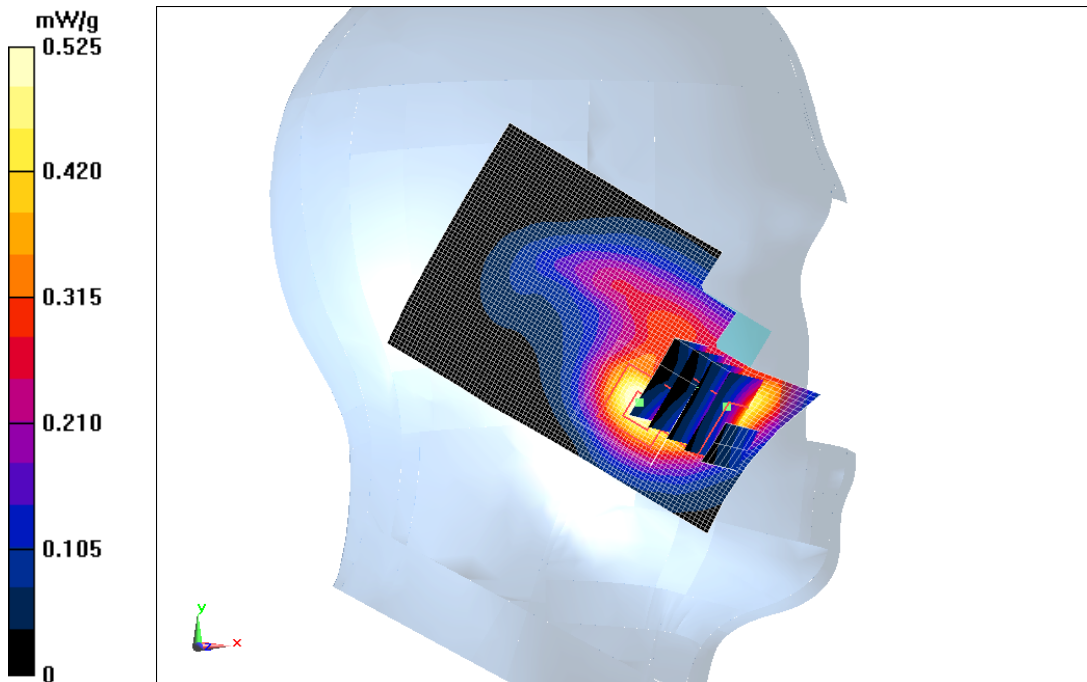


Fig. 25 1900 MHz CH512



### 1900 Left Tilt High

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.401$  mho/m;  $\epsilon_r = 41.046$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Tilt High/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 10.005 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.257 mW/g

**SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.097 mW/g**

Maximum value of SAR (measured) = 0.182 mW/g

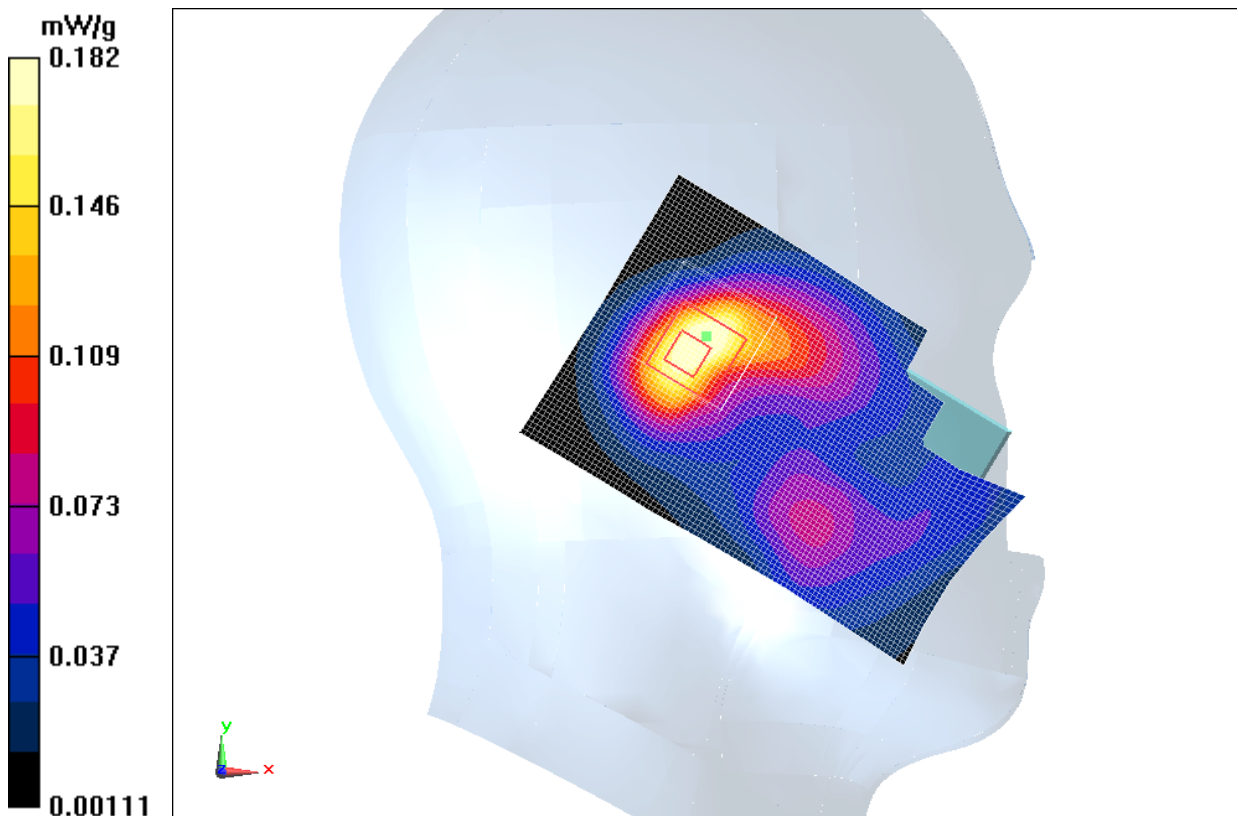


Fig. 26 1900 MHz CH810

**1900 Left Tilt Middle**

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.373$  mho/m;  $\epsilon_r = 41.158$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Tilt Middle/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.186 mW/g

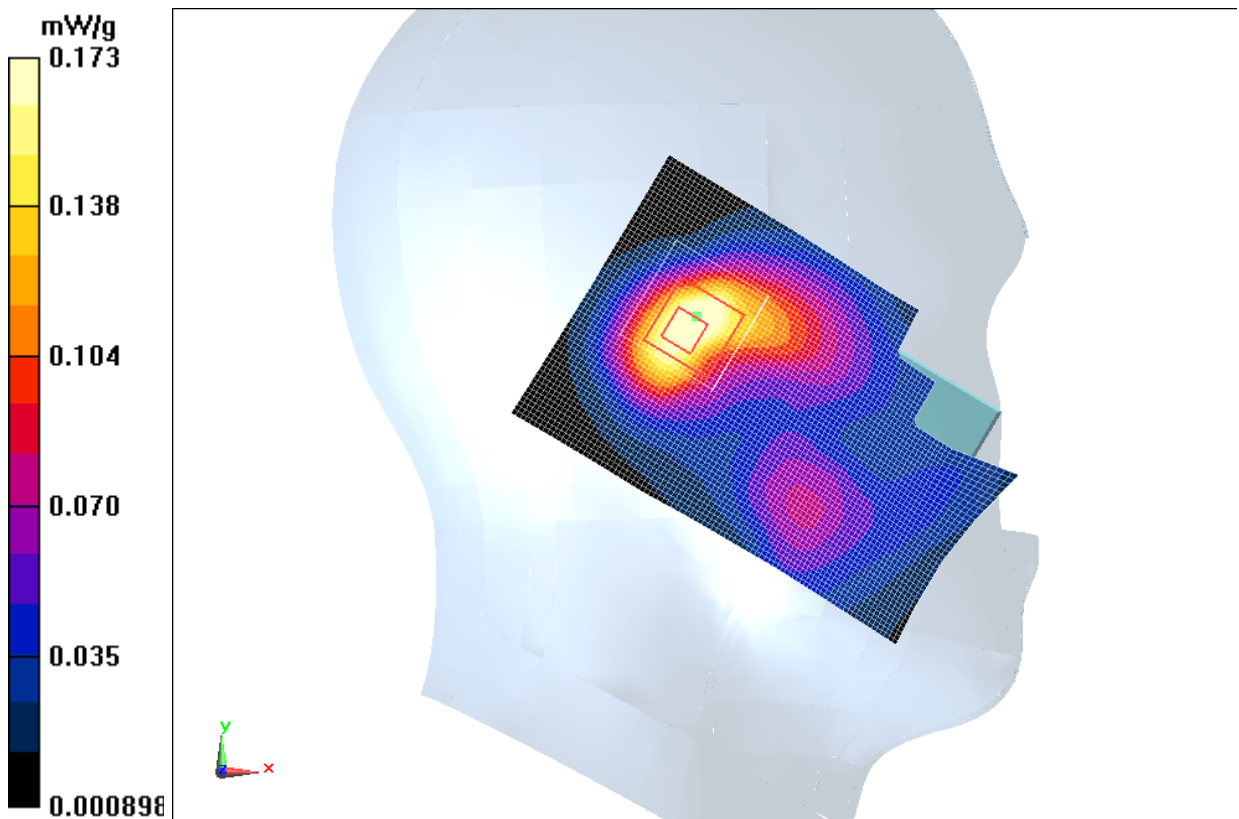
**Tilt Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.724 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.246 mW/g

**SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.096 mW/g**

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



**Fig. 27 1900 MHz CH661**

**1900 Left Tilt Low**

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.343$  mho/m;  $\epsilon_r = 41.251$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Tilt Low/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.177 mW/g

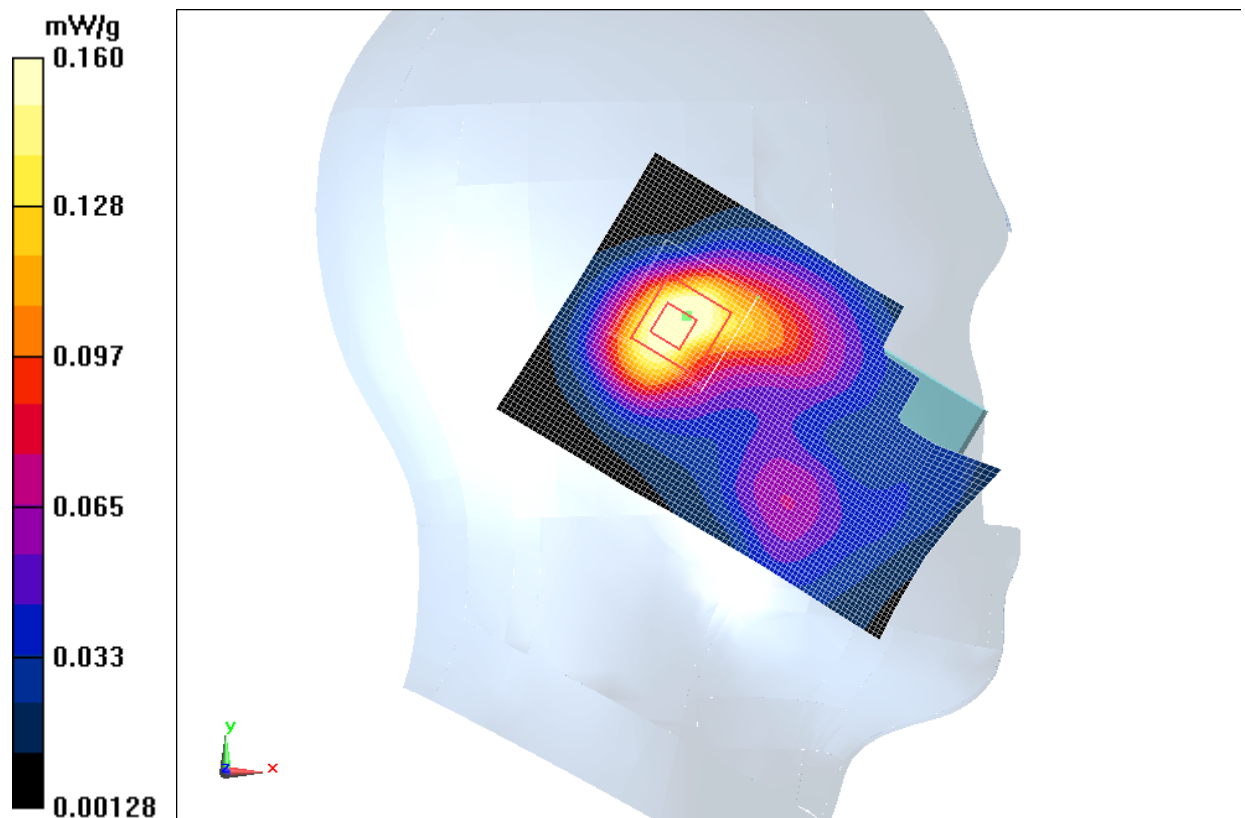
**Tilt Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.674 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.231 mW/g

**SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.092 mW/g**

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



**Fig. 28 1900 MHz CH512**

### 1900 Right Cheek High

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.401$  mho/m;  $\epsilon_r = 41.046$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Cheek High/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.632 mW/g

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

Reference Value = 9.104 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.914 mW/g

**SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.346 mW/g**

Maximum value of SAR (measured) = 0.624 mW/g

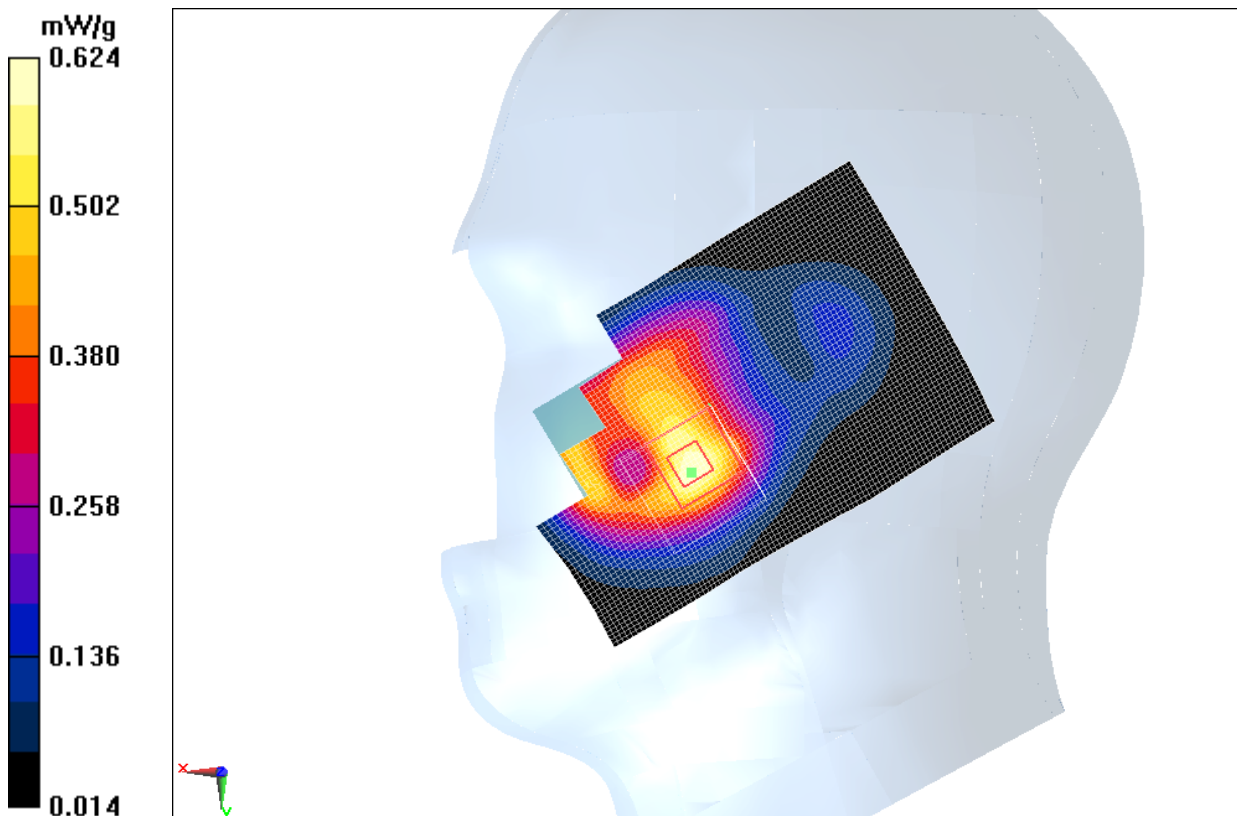


Fig. 29 1900 MHz CH810

**1900 Right Cheek Middle**

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.373$  mho/m;  $\epsilon_r = 41.158$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Cheek Middle/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.522 mW/g

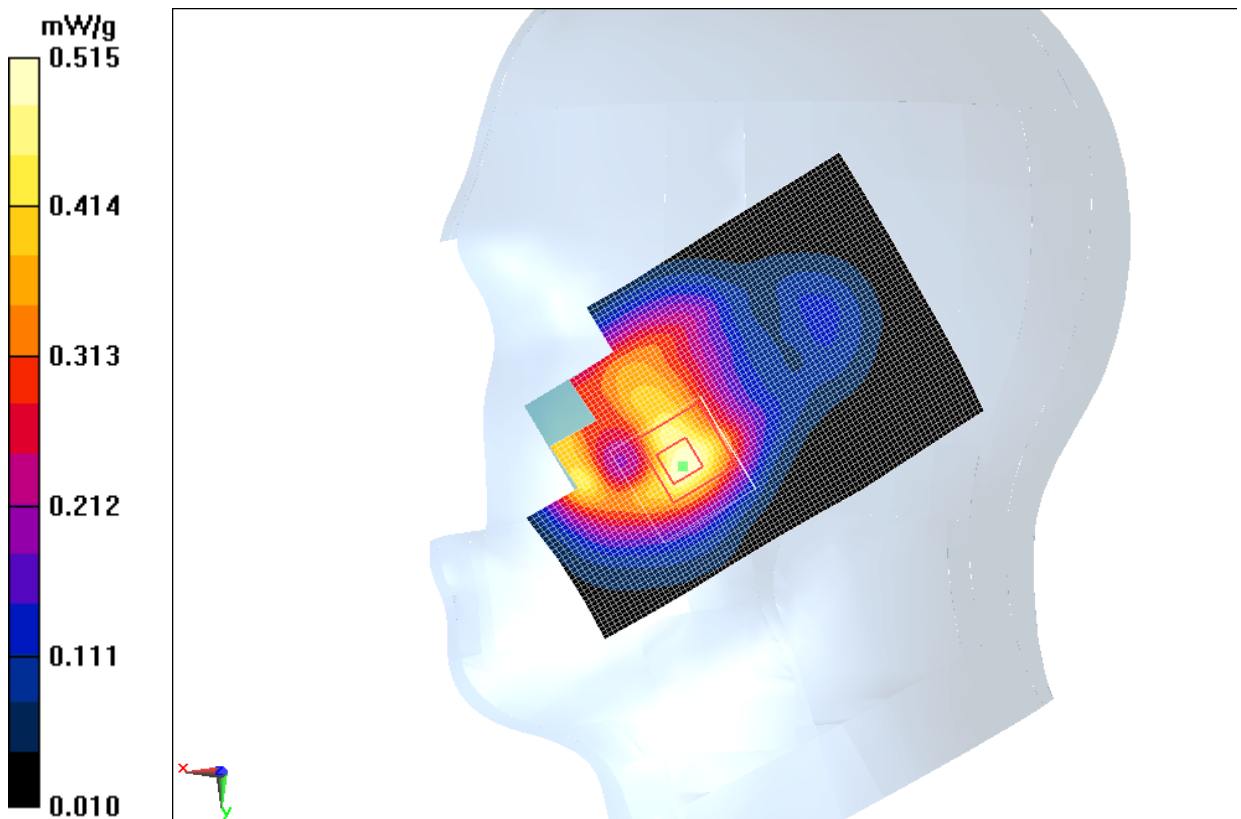
**Cheek Middle/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.051 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.735 mW/g

**SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.286 mW/g**

Maximum value of SAR (measured) = 0.515 mW/g



**Fig. 30 1900 MHz CH661**

### 1900 Right Cheek Low

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.343$  mho/m;  $\epsilon_r = 41.251$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Cheek Low/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.510 mW/g

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

Reference Value = 7.465 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.710 mW/g

**SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.275 mW/g**

Maximum value of SAR (measured) = 0.498 mW/g

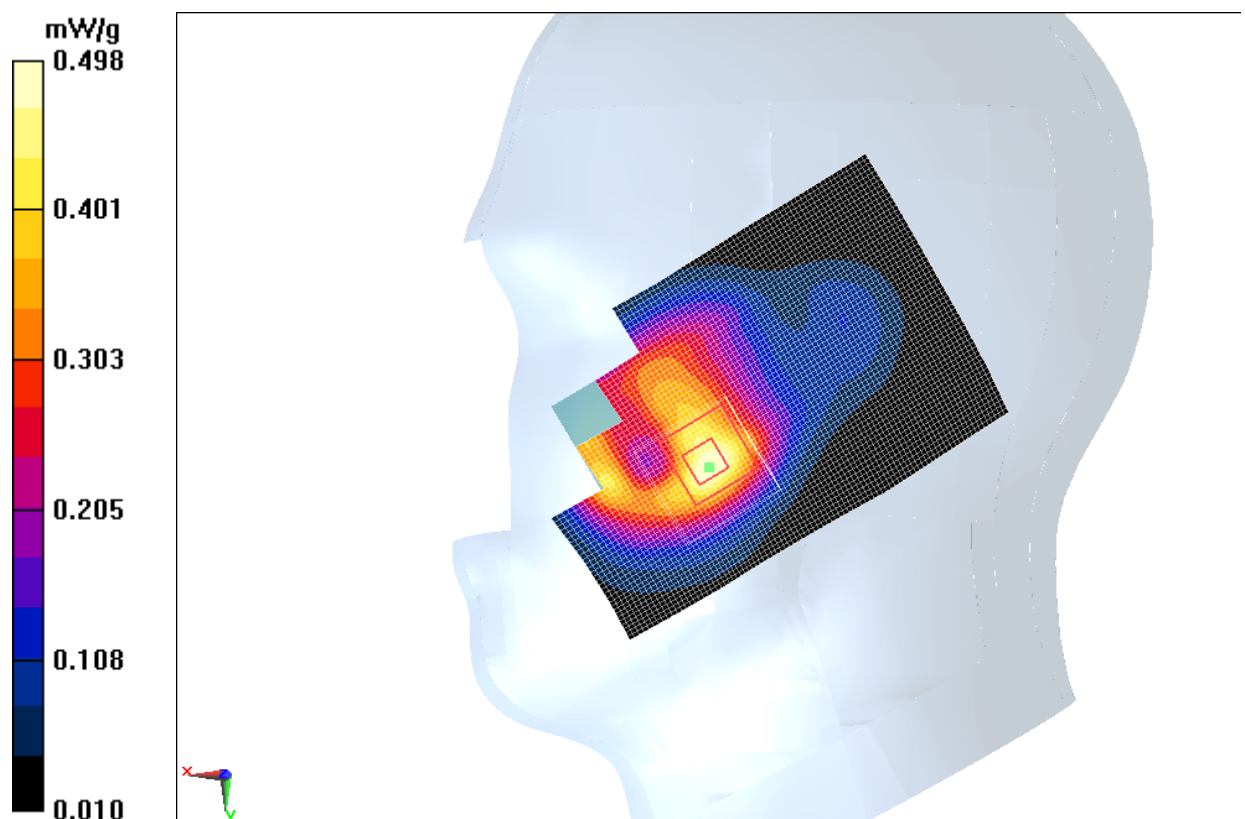


Fig. 31 1900 MHz CH512



### 1900 Right Tilt High

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.401$  mho/m;  $\epsilon_r = 41.046$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Tilt High/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 11.780 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.303 mW/g

**SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.113 mW/g**

Maximum value of SAR (measured) = 0.219 mW/g

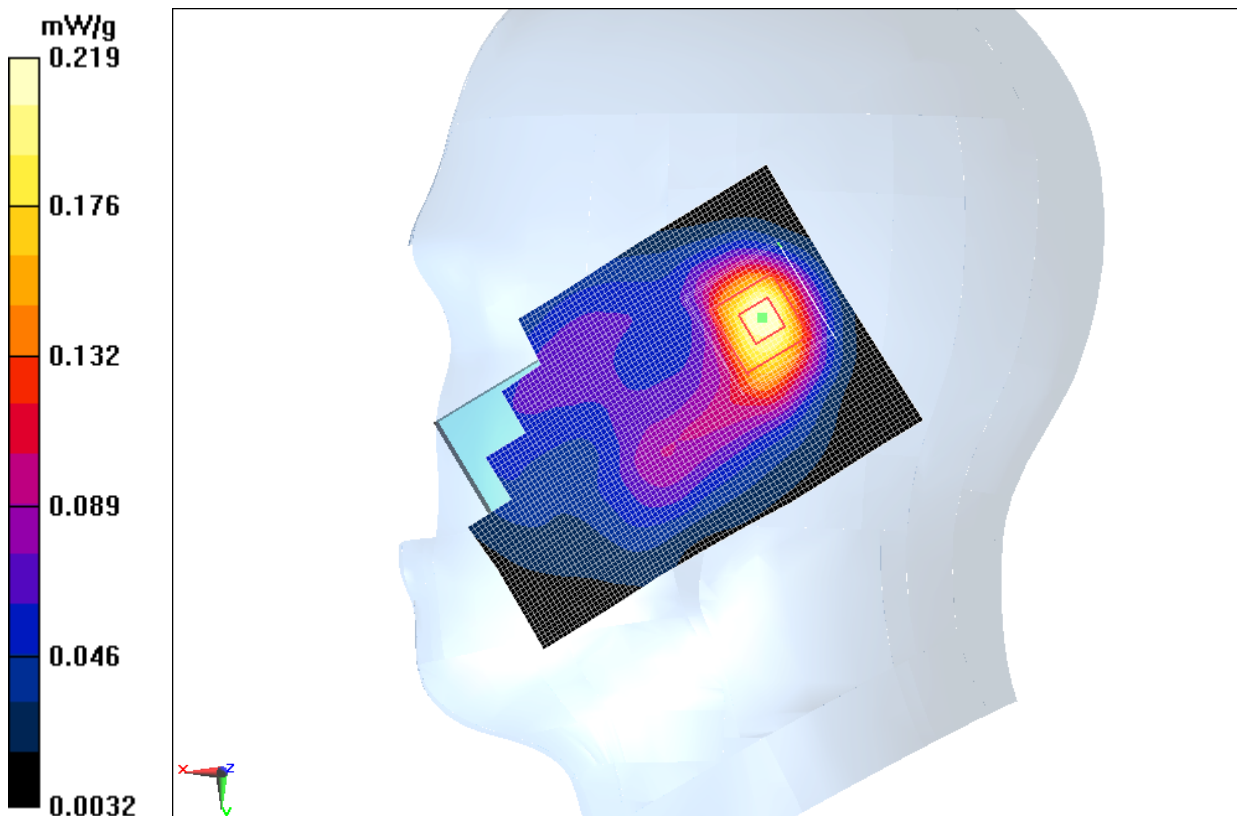


Fig. 32 1900 MHz CH810

### 1900 Right Tilt Middle

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.373$  mho/m;  $\epsilon_r = 41.158$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Tilt Middle/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 10.953 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.263 mW/g

**SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.097 mW/g**

Maximum value of SAR (measured) = 0.186 mW/g

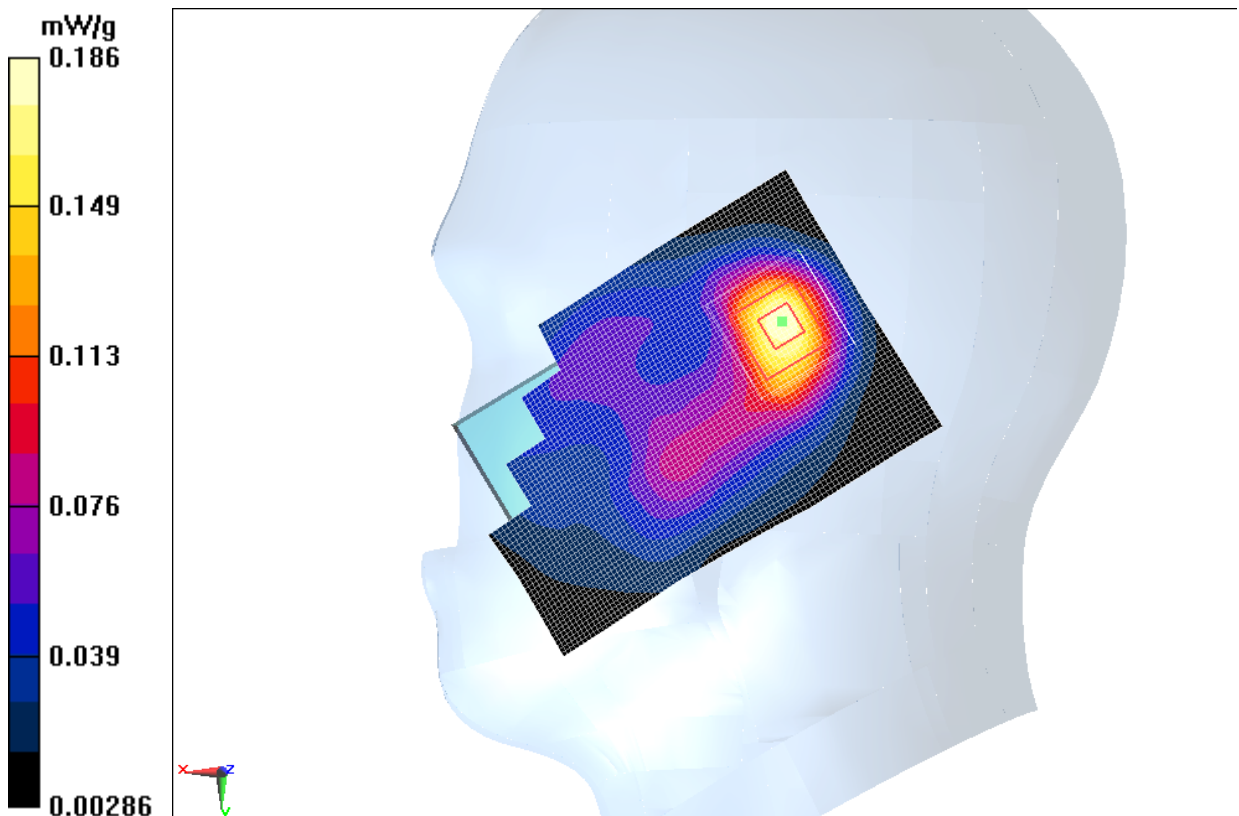


Fig.33 1900 MHz CH661

**1900 Right Tilt Low**

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.343$  mho/m;  $\epsilon_r = 41.251$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(5.19, 5.19, 5.19)

**Tilt Low/Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

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

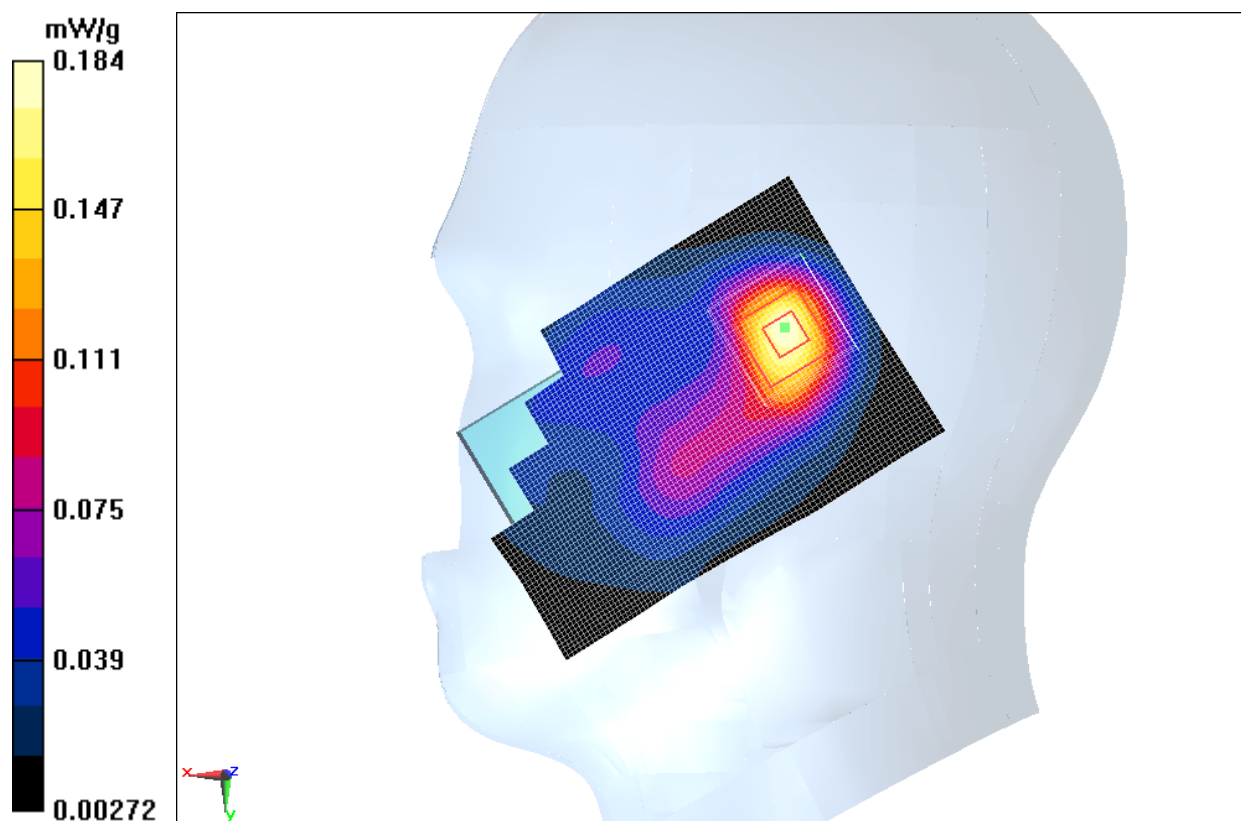
**Tilt Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.013 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.259 mW/g

**SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.097 mW/g**

Maximum value of SAR (measured) = 0.184 mW/g



**Fig. 34 1900 MHz CH512**

### 1900 Body Towards Phantom Low

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.456$  mho/m;  $\epsilon_r = 52.828$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(4.64, 4.64, 4.64)

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

Maximum value of SAR (interpolated) = 0.570 mW/g

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

Reference Value = 10.013 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.864 mW/g

**SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.313 mW/g**

Maximum value of SAR (measured) = 0.621 mW/g

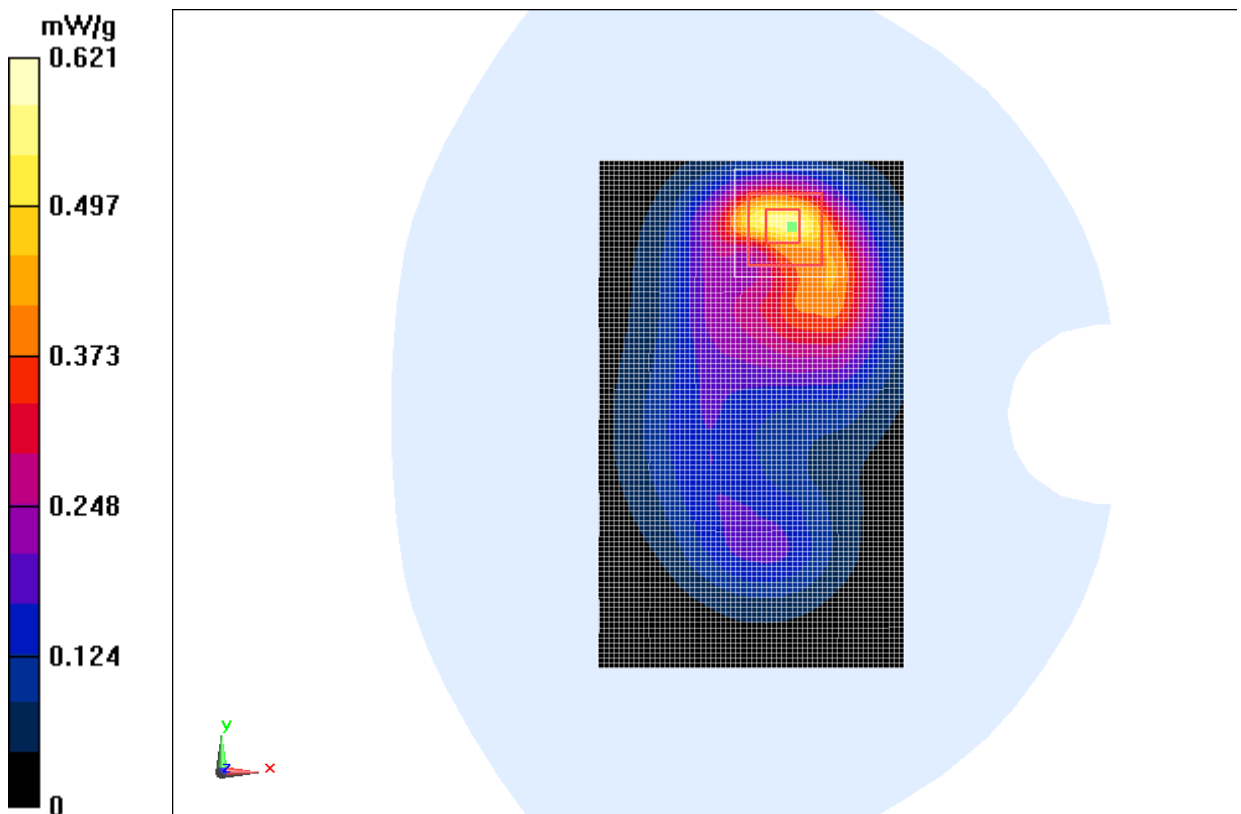


Fig. 35 1900 MHz CH512

### 1900 Body Towards Ground Low

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.456$  mho/m;  $\epsilon_r = 52.828$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(4.64, 4.64, 4.64)

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

Maximum value of SAR (interpolated) = 0.515 mW/g

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

Reference Value = 12.685 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.693 mW/g

**SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.276 mW/g**

Maximum value of SAR (measured) = 0.501 mW/g

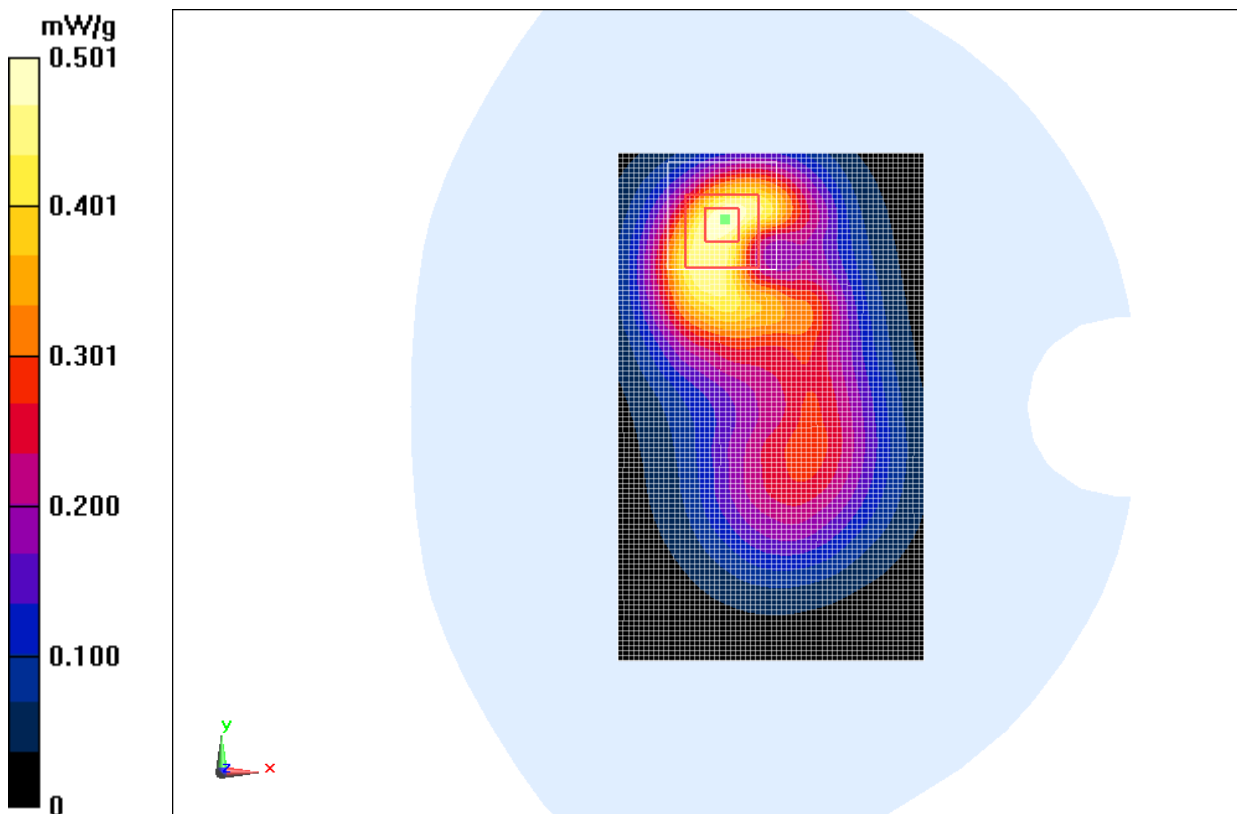


Fig. 36 1900 MHz CH512

**1900 Body Left Side Low**

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.456$  mho/m;  $\epsilon_r = 52.828$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(4.64, 4.64, 4.64)

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

Maximum value of SAR (interpolated) = 0.138 mW/g

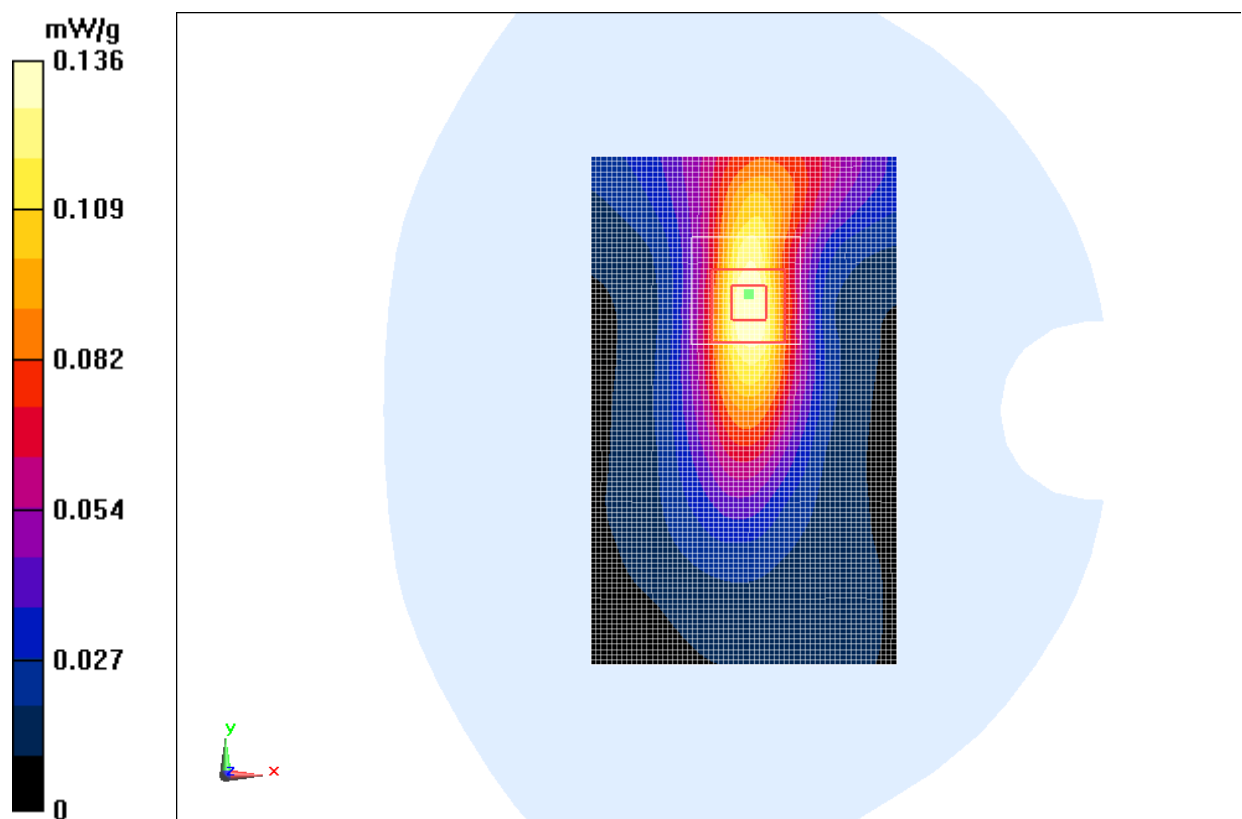
**Left Side Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.192 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.191 mW/g

**SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.075 mW/g**

Maximum value of SAR (measured) = 0.136 mW/g



**Fig. 37 1900 MHz CH512**

**1900 Body Right Side Low**

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.456$  mho/m;  $\epsilon_r = 52.828$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(4.64, 4.64, 4.64)

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

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

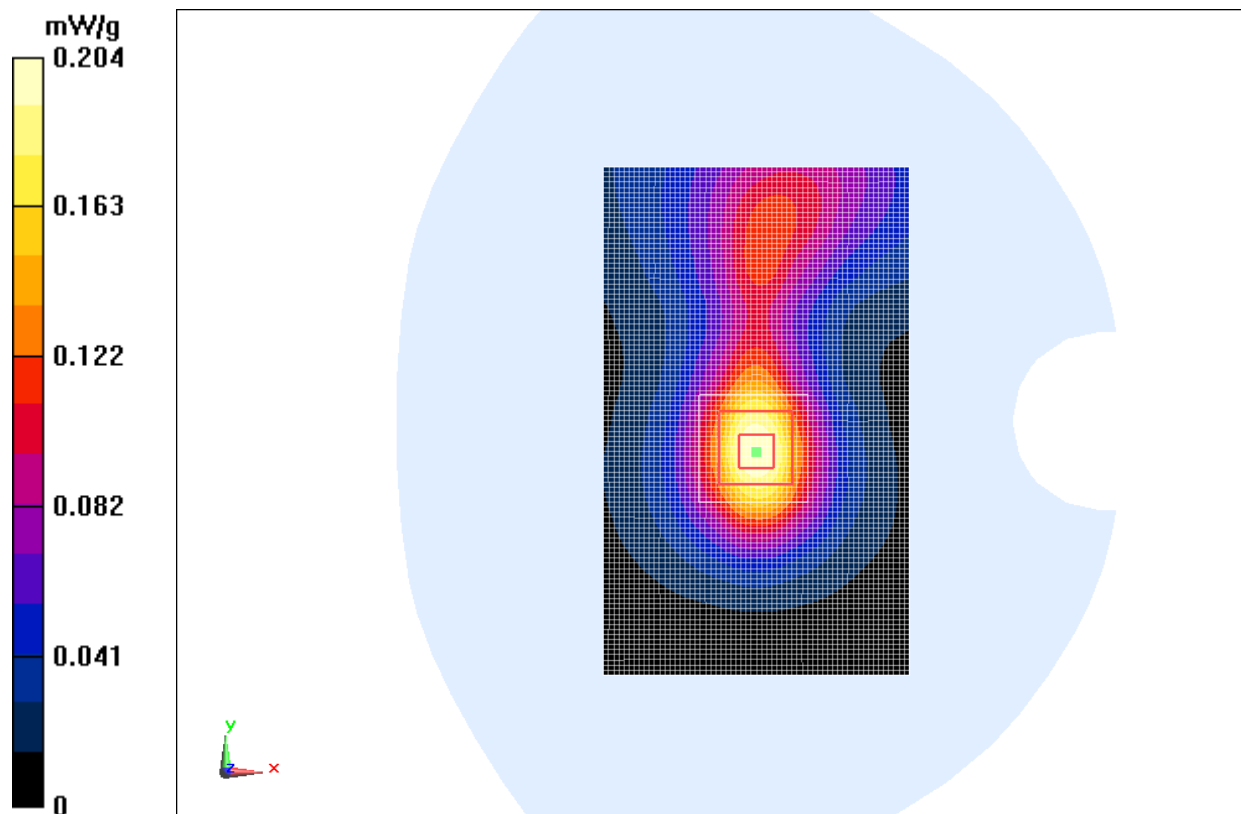
**Right Side Low/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.774 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.278 mW/g

**SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.116 mW/g**

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



**Fig. 38 1900 MHz CH512**



### 1900 Body Bottom Side High

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.519$  mho/m;  $\epsilon_r = 52.571$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(4.64, 4.64, 4.64)

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

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

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

Reference Value = 27.933 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.615 mW/g

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.544 mW/g**

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

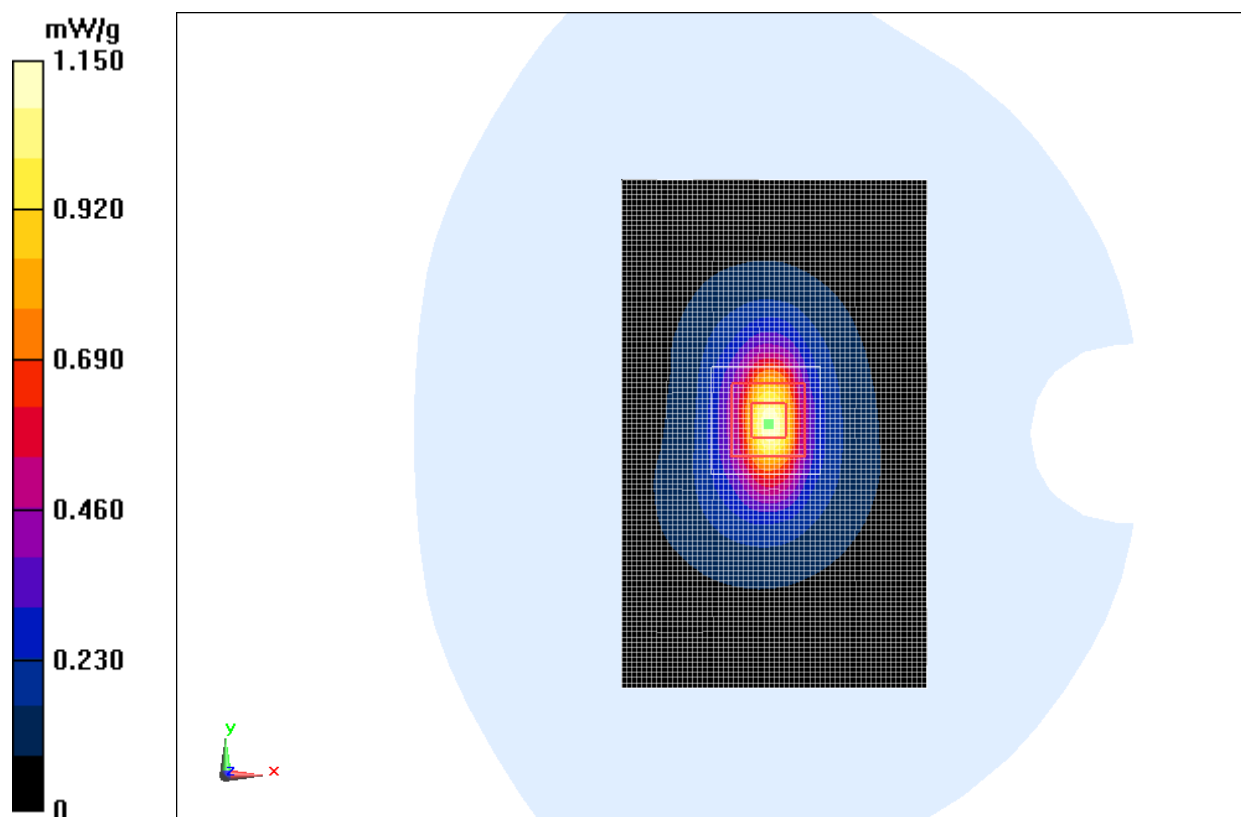
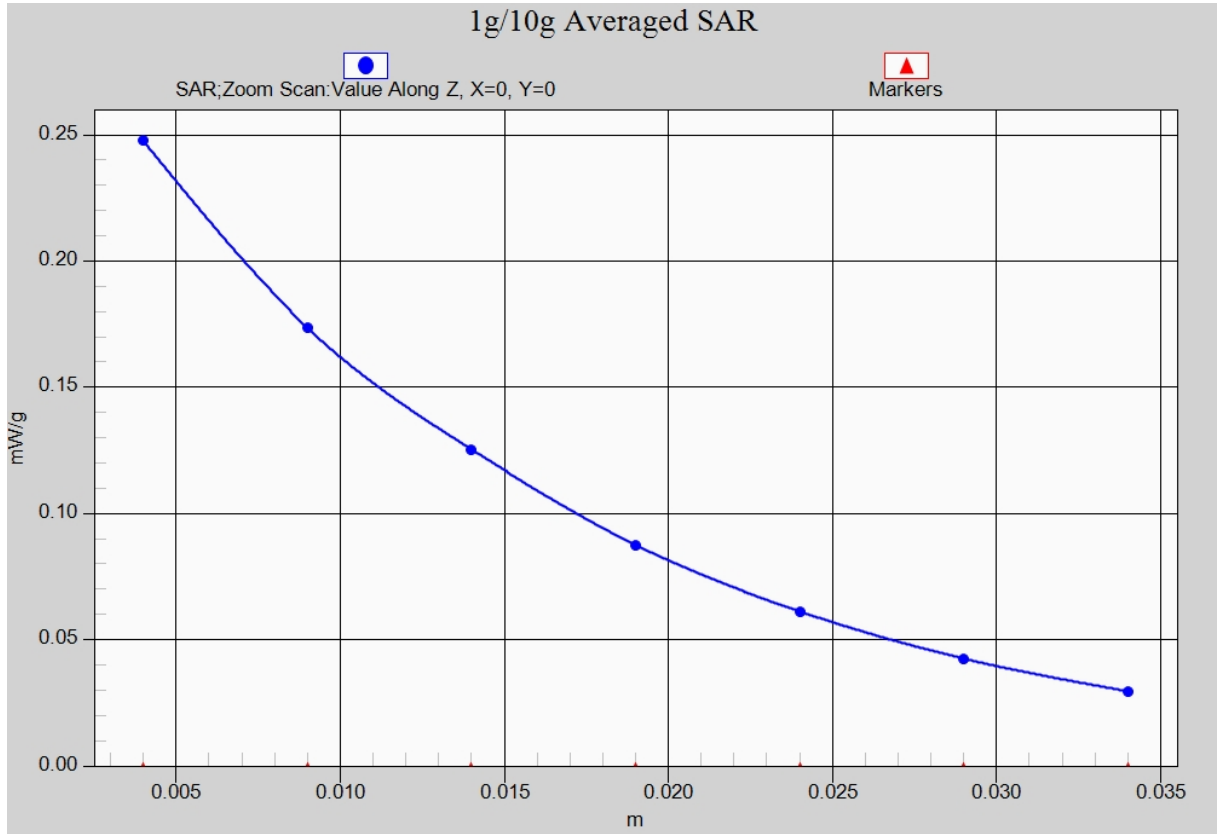


Fig. 39 1900 MHz CH810



**Fig. 39-1 Z-Scan at power reference point (1900 MHz CH810)**

### 1900 Body Bottom Side Middle

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.489$  mho/m;  $\epsilon_r = 52.693$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(4.64, 4.64, 4.64)

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

Maximum value of SAR (interpolated) = 1.00 mW/g

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

Reference Value = 26.541 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.414 mW/g

**SAR(1 g) = 0.890 mW/g; SAR(10 g) = 0.488 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g

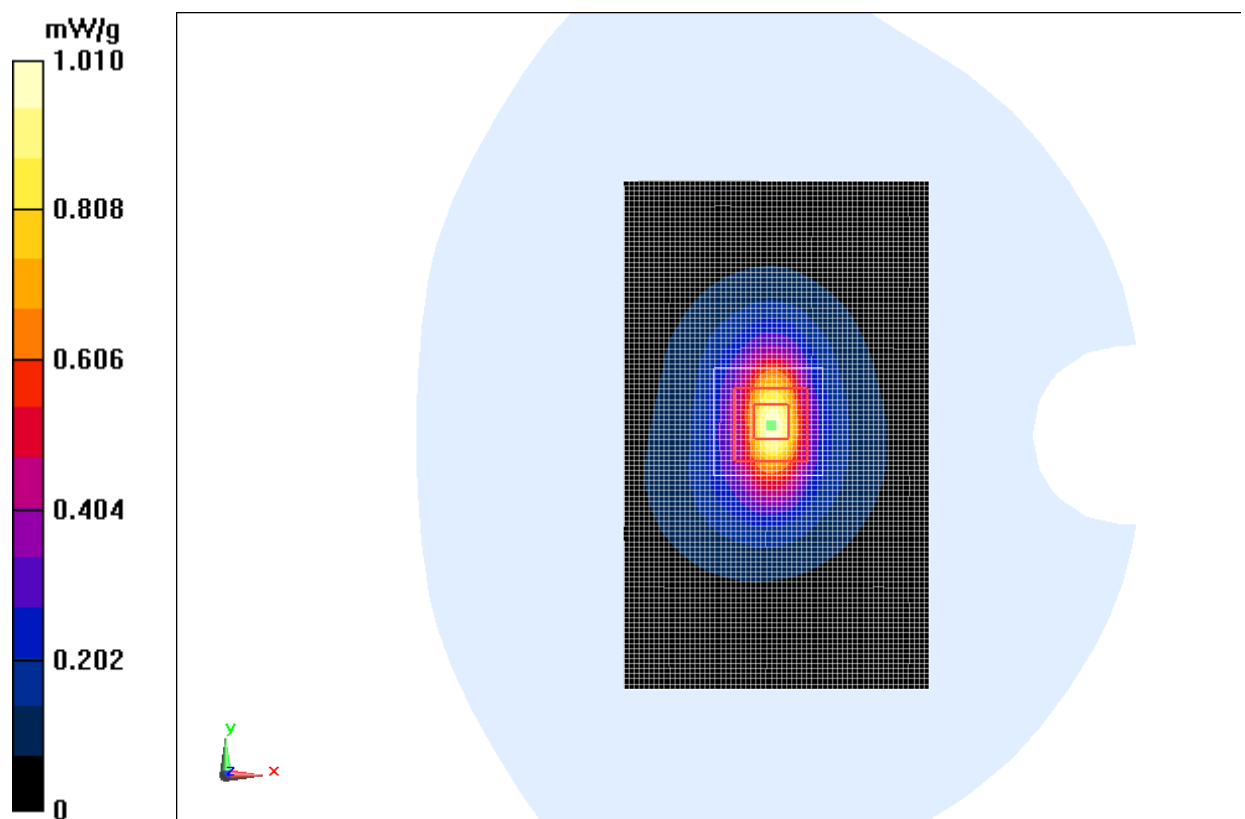


Fig. 40 1900 MHz CH661

### 1900 Body Bottom Side Low

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.456$  mho/m;  $\epsilon_r = 52.828$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(4.64, 4.64, 4.64)

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

Maximum value of SAR (interpolated) = 0.917 mW/g

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

Reference Value = 25.978 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.261 mW/g

**SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.449 mW/g**

Maximum value of SAR (measured) = 0.927 mW/g

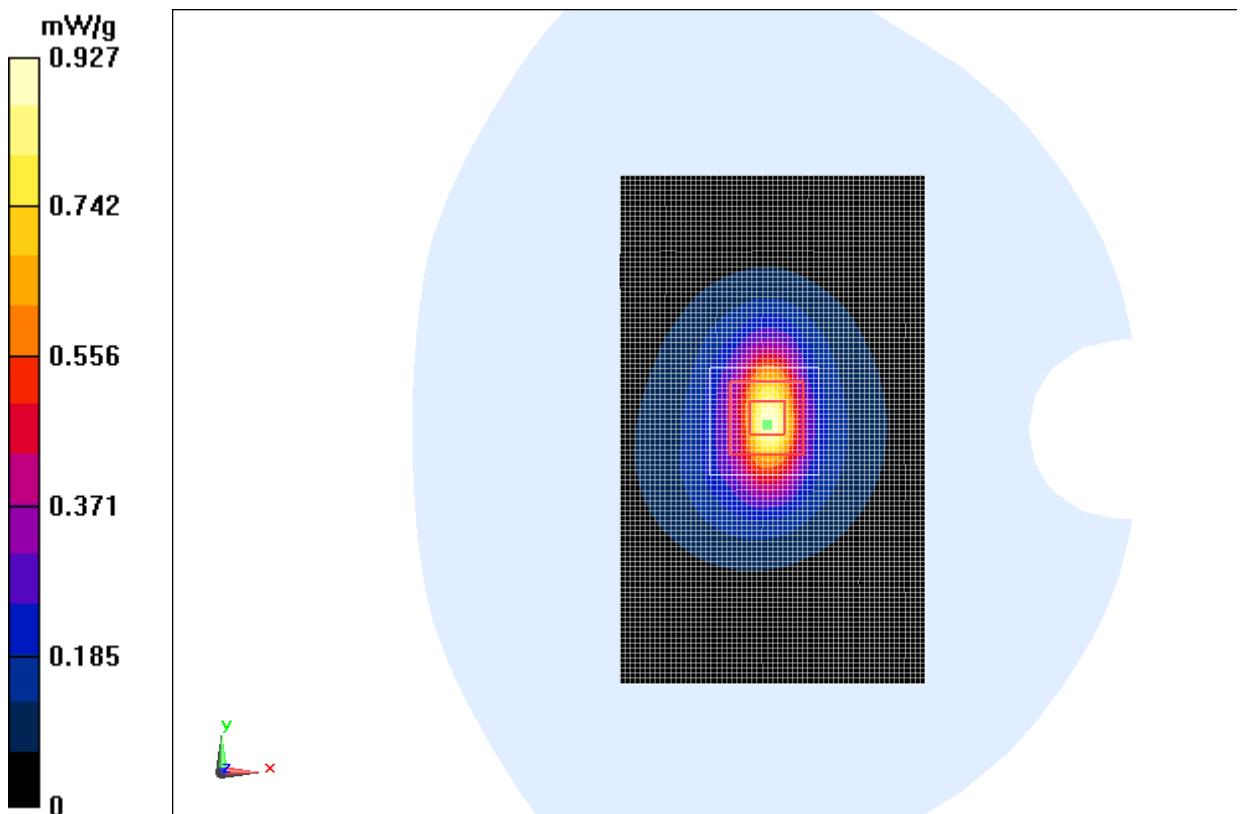


Fig. 41 1900 MHz CH512

### 1900 Body Bottom Side High with EGPRS

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.519$  mho/m;  $\epsilon_r = 52.571$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(4.64, 4.64, 4.64)

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

Maximum value of SAR (interpolated) = 1.09 mW/g

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

Reference Value = 26.046 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.596 mW/g

**SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.531 mW/g**

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

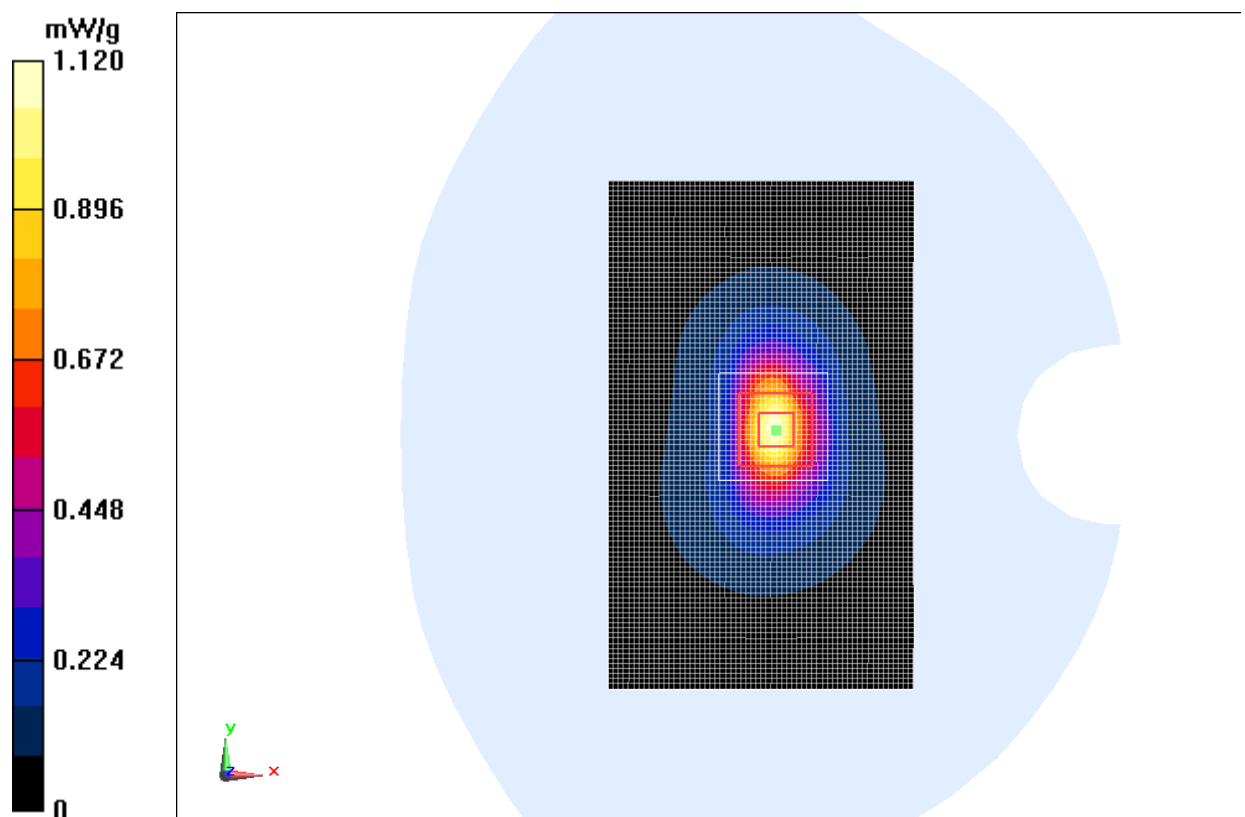


Fig. 42 1900 MHz CH810

**1900 Body Bottom Side High with Headset CCB3160A11C2**

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.519$  mho/m;  $\epsilon_r = 52.571$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(4.64, 4.64, 4.64)

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

Maximum value of SAR (interpolated) = 0.892 mW/g

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

Reference Value = 24.906 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.277 mW/g

**SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.421 mW/g**

Maximum value of SAR (measured) = 0.883 mW/g

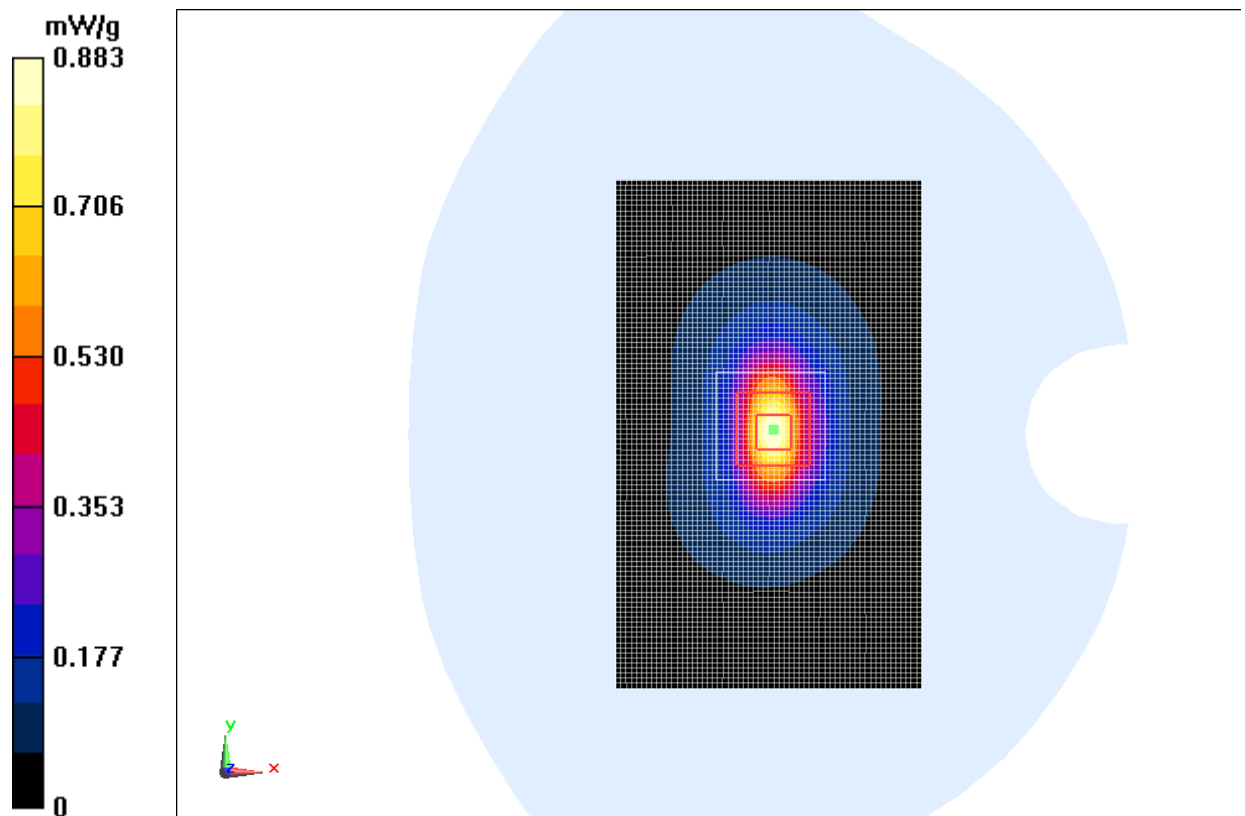


Fig. 43 1900 MHz CH810

**1900 Body Bottom Side High with Headset CCB3160A11C4**

Date: 2012-8-2

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.519$  mho/m;  $\epsilon_r = 52.571$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.6°C      Liquid Temperature: 22.1°C

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

Probe: ES3DV3 - SN3149 ConvF(4.64, 4.64, 4.64)

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

Maximum value of SAR (interpolated) = 0.872 mW/g

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

Reference Value = 24.696 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.236 mW/g

**SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.411 mW/g**

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

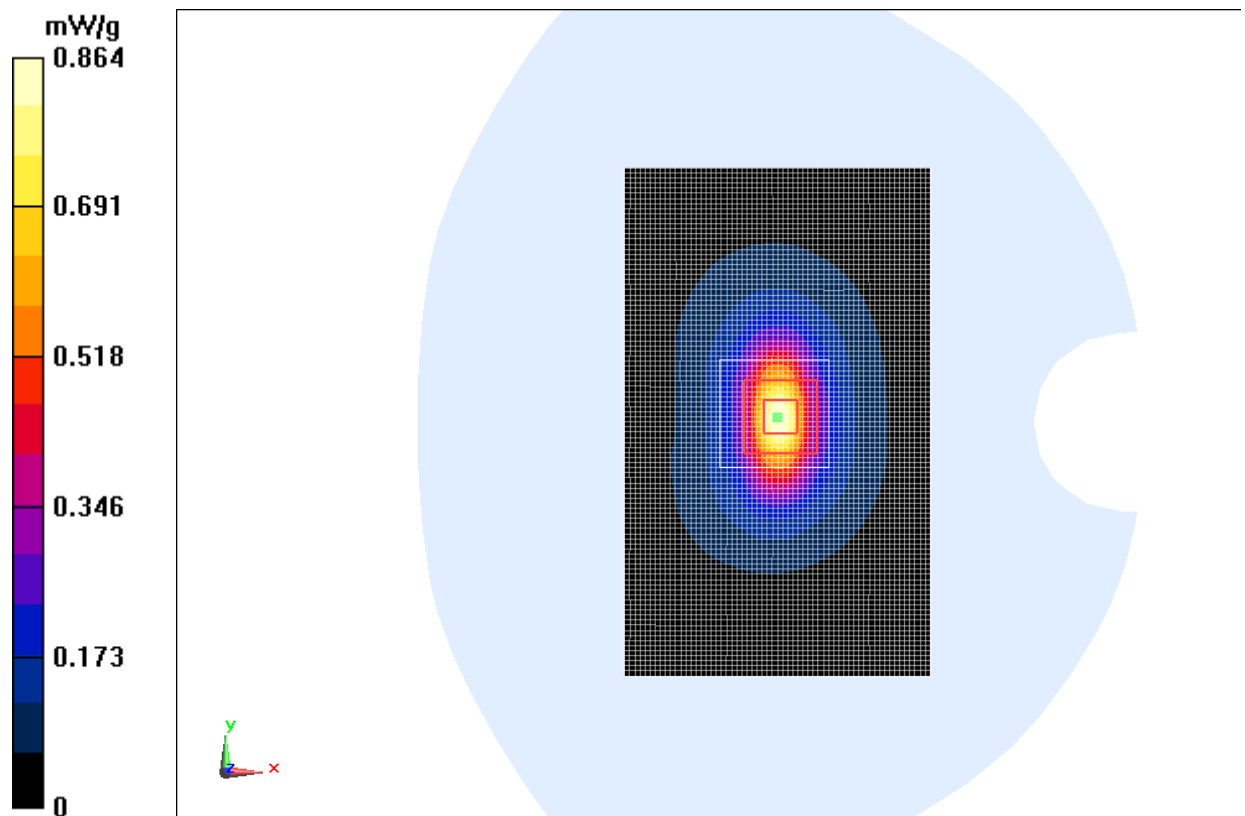


Fig. 44 1900 MHz CH810



### WCDMA 850 Left Cheek High

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.899$  mho/m;  $\epsilon_r = 40.758$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

Maximum value of SAR (interpolated) = 0.957 mW/g

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

Reference Value = 11.443 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.177 mW/g

**SAR(1 g) = 0.908 mW/g; SAR(10 g) = 0.687 mW/g**

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

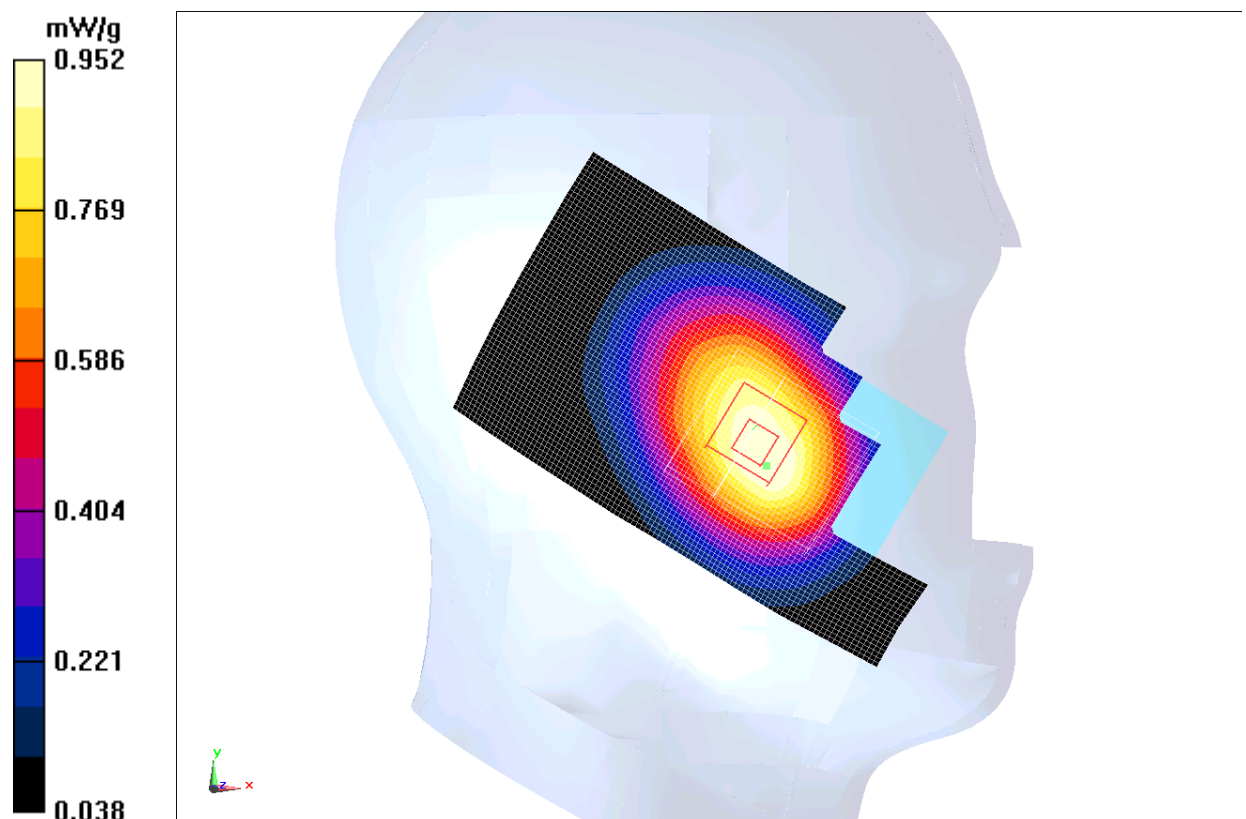


Fig. 45 WCDMA 850 CH4233

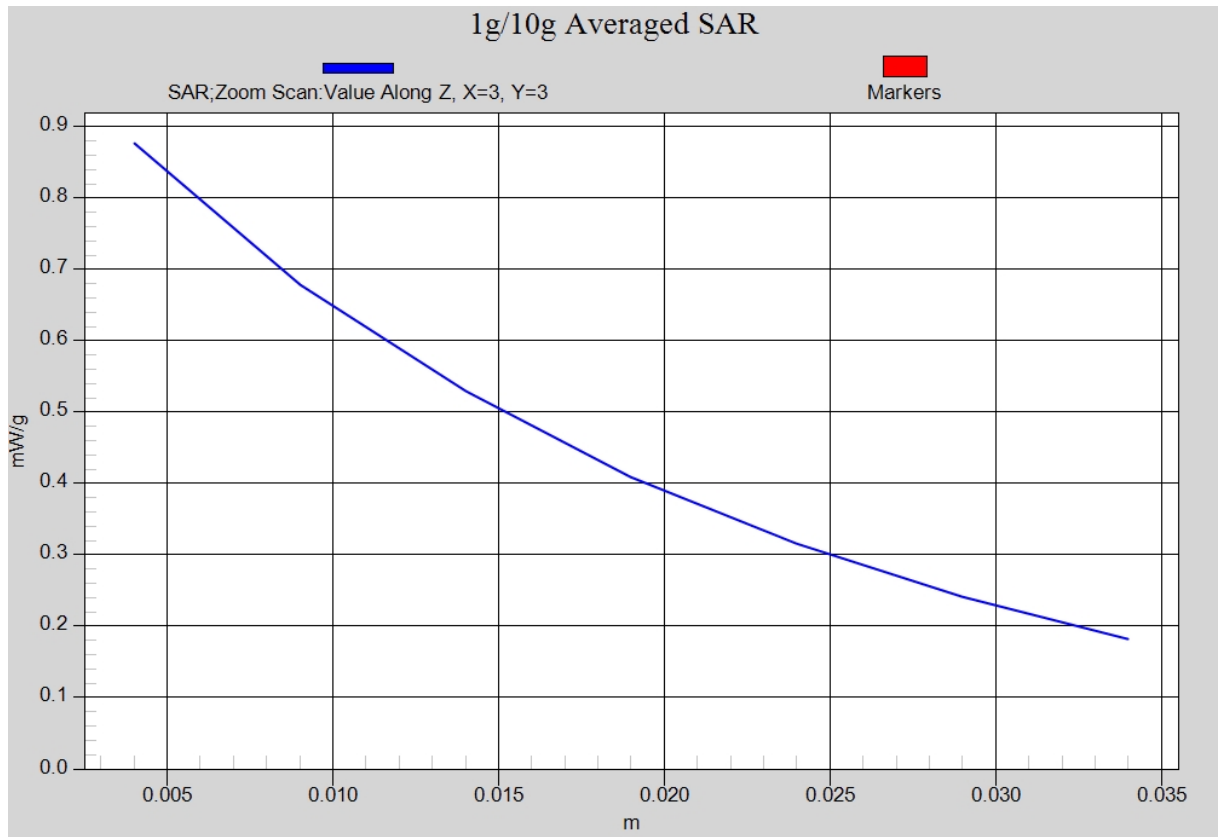


Fig. 45-1 Z-Scan at power reference point (WCDMA 850 CH4233)

### WCDMA 850 Left Cheek Middle

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.888$  mho/m;  $\epsilon_r = 40.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

Maximum value of SAR (interpolated) = 0.780 mW/g

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

Reference Value = 9.725 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.947 mW/g

**SAR(1 g) = 0.744 mW/g; SAR(10 g) = 0.564 mW/g**

Maximum value of SAR (measured) = 0.775 mW/g

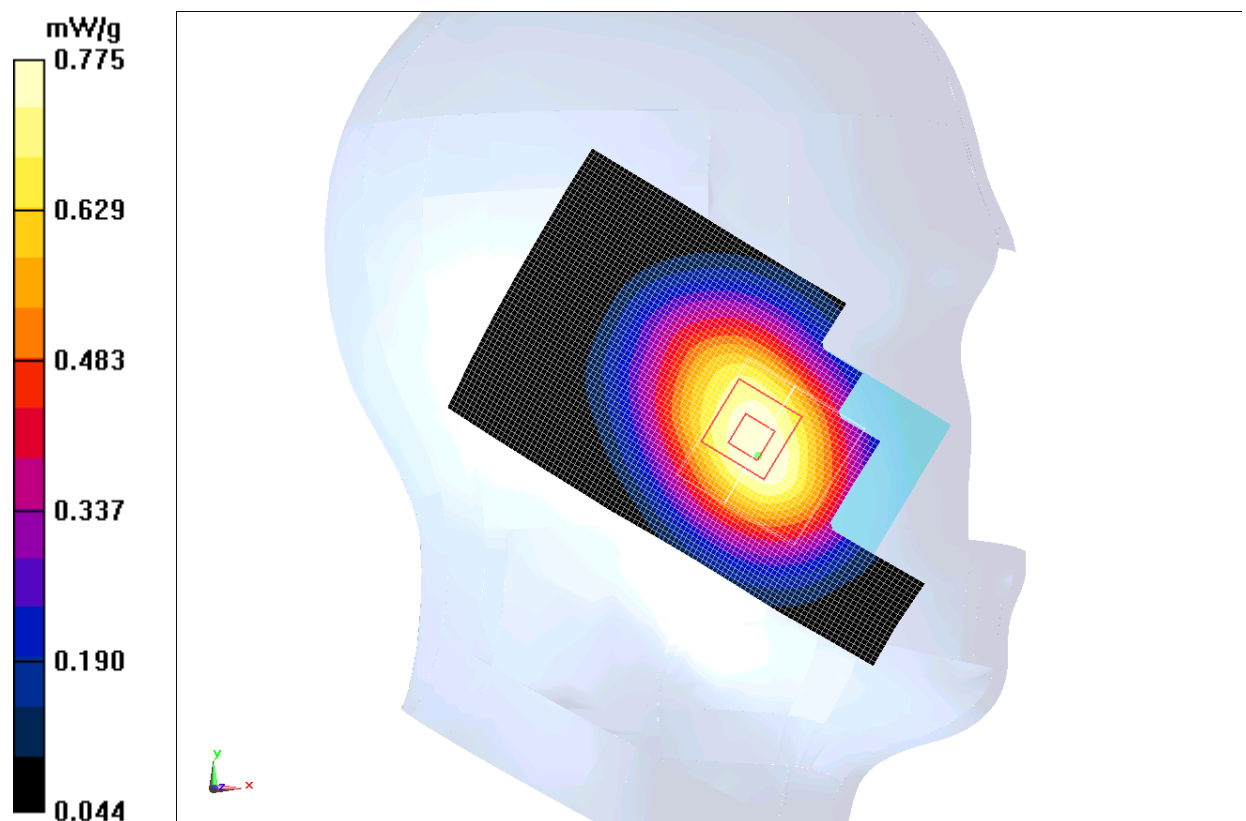


Fig. 46 WCDMA 850 CH4182

### WCDMA 850 Left Cheek Low

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.879$  mho/m;  $\epsilon_r = 41.055$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

Maximum value of SAR (interpolated) = 0.729 mW/g

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

Reference Value = 9.498 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.886 mW/g

**SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.525 mW/g**

Maximum value of SAR (measured) = 0.723 mW/g

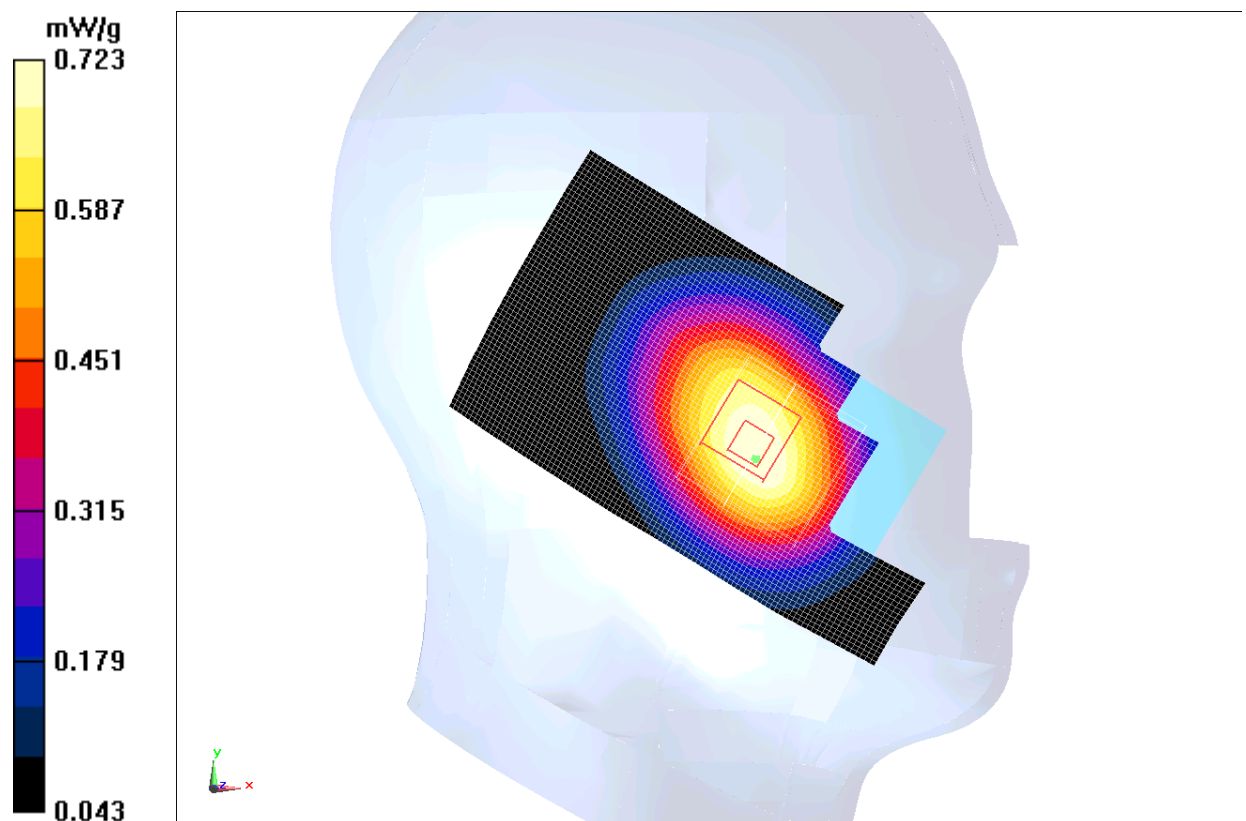


Fig. 47 WCDMA 850 CH4132

**WCDMA 850 Left Tilt High**

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.899$  mho/m;  $\epsilon_r = 40.758$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

Maximum value of SAR (interpolated) = 0.506 mW/g

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

Reference Value = 15.228 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.599 mW/g

**SAR(1 g) = 0.480 mW/g; SAR(10 g) = 0.362 mW/g**

Maximum value of SAR (measured) = 0.506 mW/g

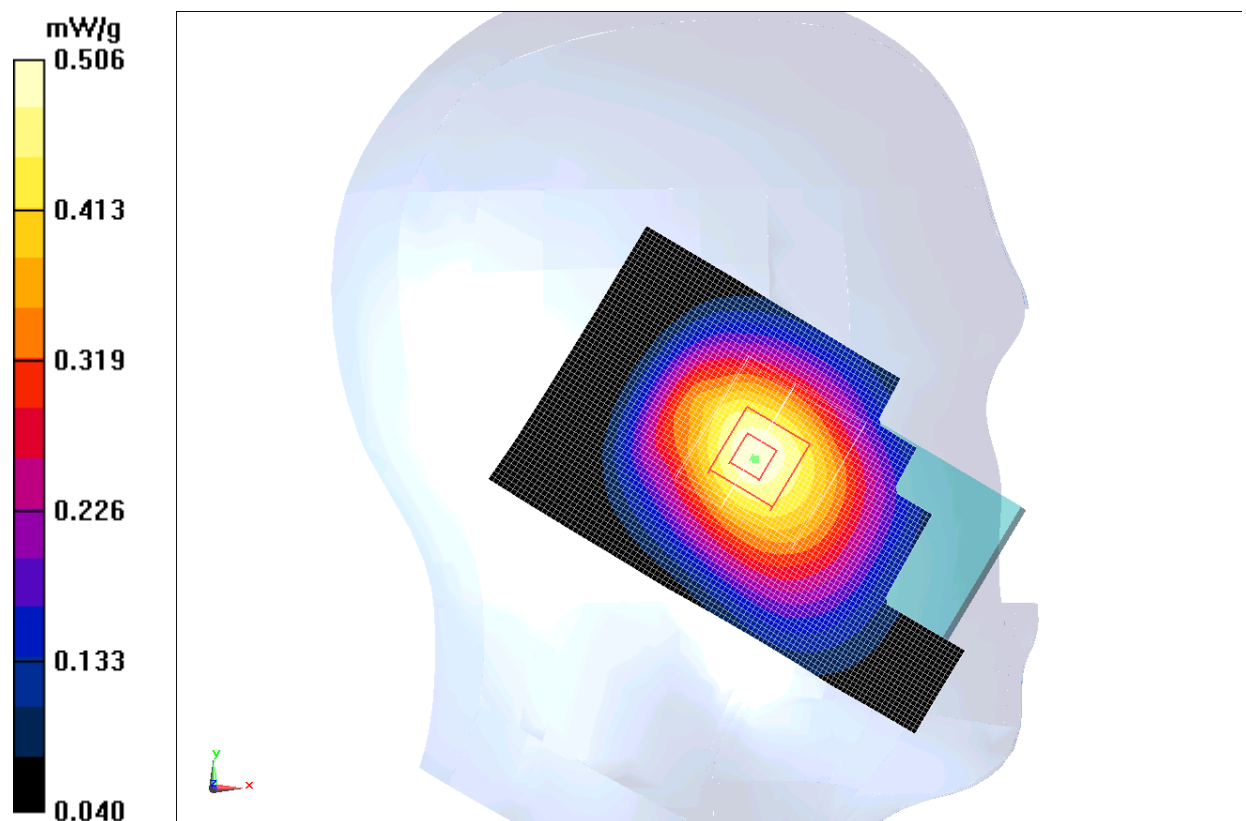


Fig. 48 WCDMA 850 CH4233

**WCDMA 850 Left Tilt Middle**

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.888$  mho/m;  $\epsilon_r = 40.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

Maximum value of SAR (interpolated) = 0.456 mW/g

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

Reference Value = 14.574 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.543 mW/g

**SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.326 mW/g**

Maximum value of SAR (measured) = 0.452 mW/g

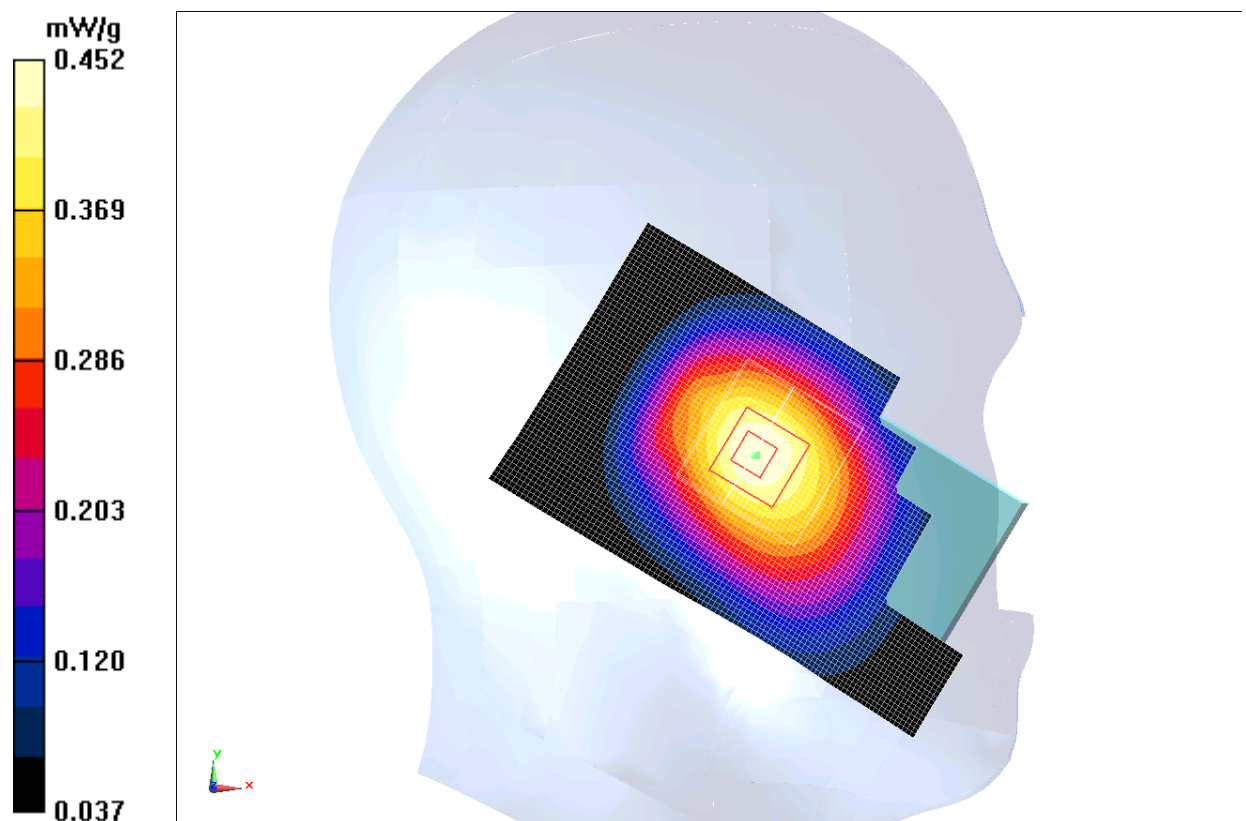


Fig. 49 WCDMA 850 CH4182



**WCDMA 850 Left Tilt Low**

Date: 2012-8-1

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.879$  mho/m;  $\epsilon_r = 41.055$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.5°C      Liquid Temperature: 22.0°C

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Probe: ES3DV3 - SN3149 ConvF(6.26, 6.26, 6.26)

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

Maximum value of SAR (interpolated) = 0.414 mW/g

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

Reference Value = 13.956 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.490 mW/g

**SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.296 mW/g**

Maximum value of SAR (measured) = 0.412 mW/g

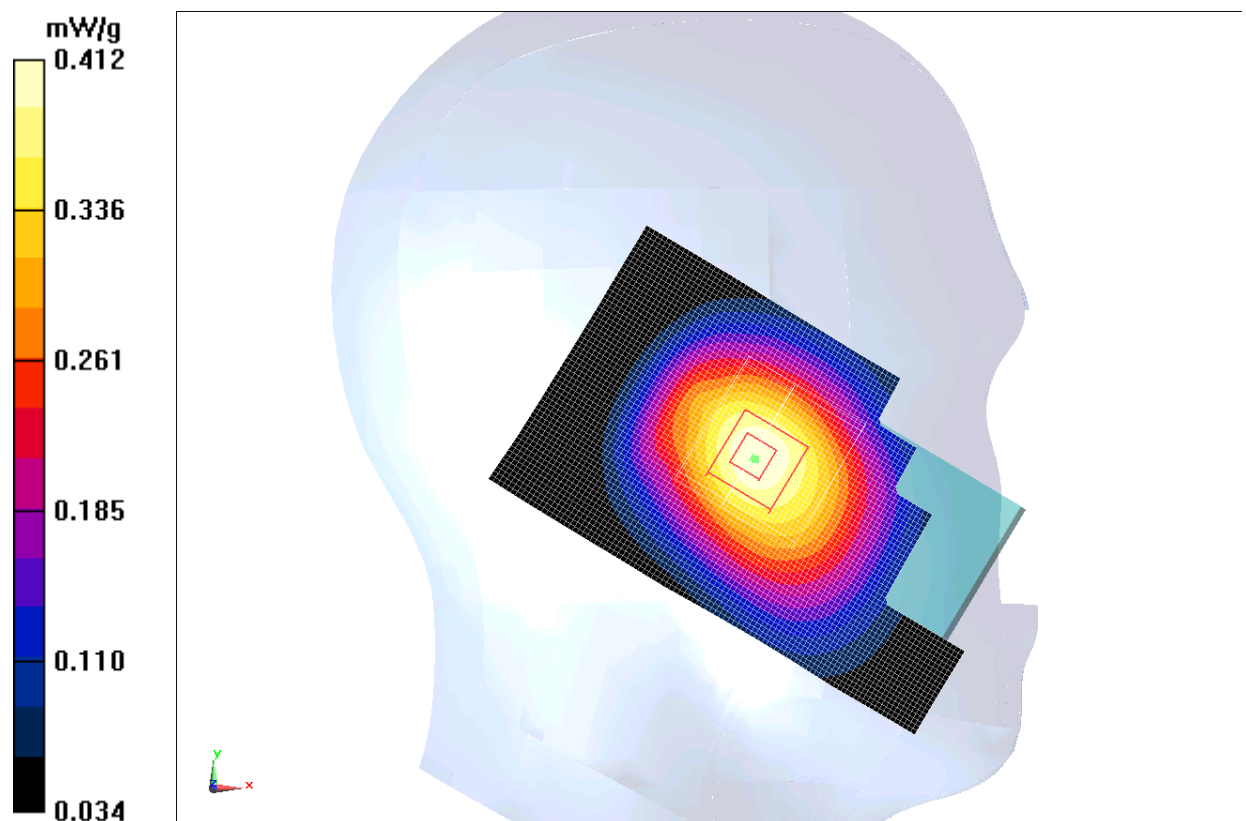


Fig. 50 WCDMA 850 CH4132