

850 Body Toward Ground Low with EGPRS

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Body 835 MHz

Medium parameters used: $f = 825$ MHz; $\sigma = 0.977$ mho/m; $\epsilon_r = 55.694$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°C

Communication System: GSM 850 EGPRS Frequency: 824.2 MHz Duty Cycle: 1:2.67

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

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

Reference Value = 19.130 V/m; Power Drift = 0.09 dB

Fast SAR: SAR(1 g) = 0.788 W/kg; SAR(10 g) = 0.544 W/kg

Maximum value of SAR (interpolated) = 0.838 W/kg

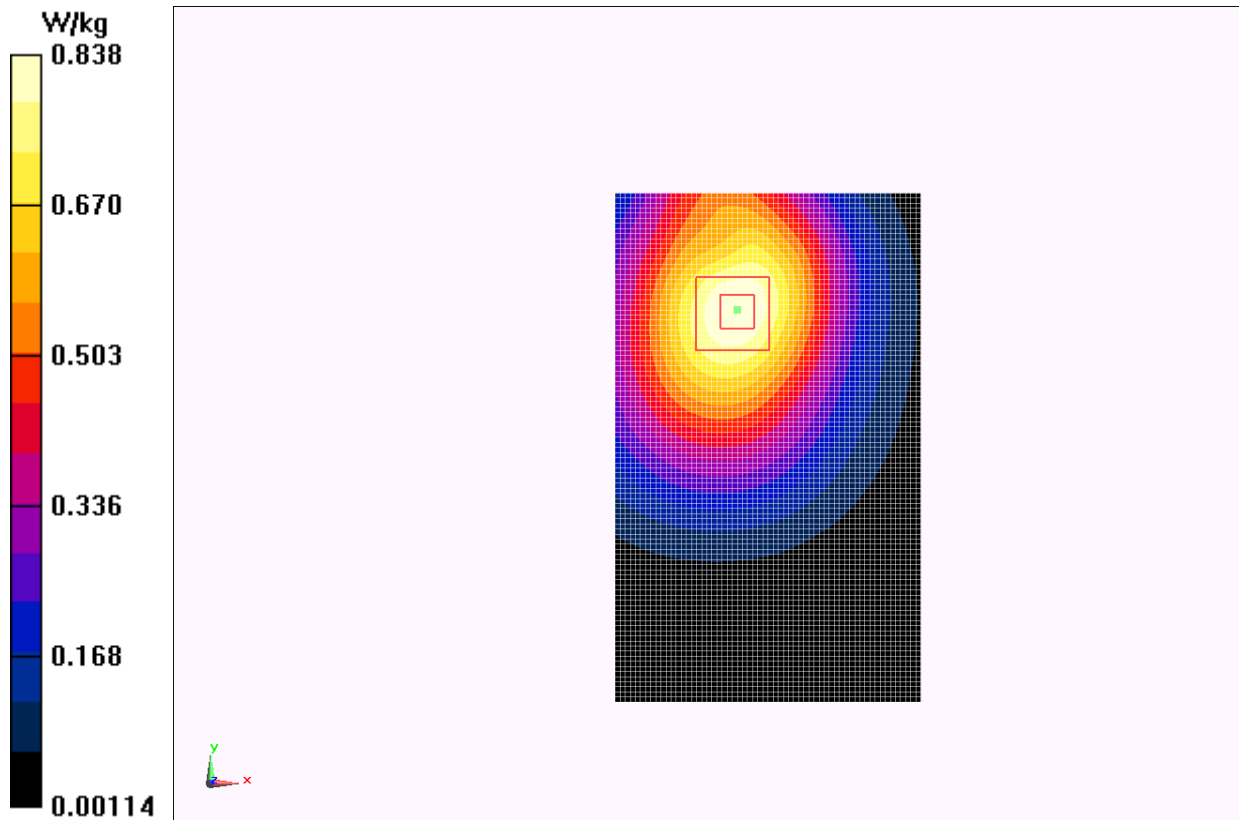


Fig. 22 850 MHz CH128

850 Body Toward Ground High with Headset CCB3160A11C6

Date: 2013-5-2

Electronics: DAE4 Sn771

Medium: Body 835 MHz

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.007$ mho/m; $\epsilon_r = 56.01$; $\rho = 1000$ kg/m³

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

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

Probe: EX3DV4 - SN3846 ConvF(9.04, 9.04, 9.04)

Toward Ground High/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.835 W/kg

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

Reference Value = 23.353 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.540 W/kg

Maximum value of SAR (measured) = 0.792 W/kg

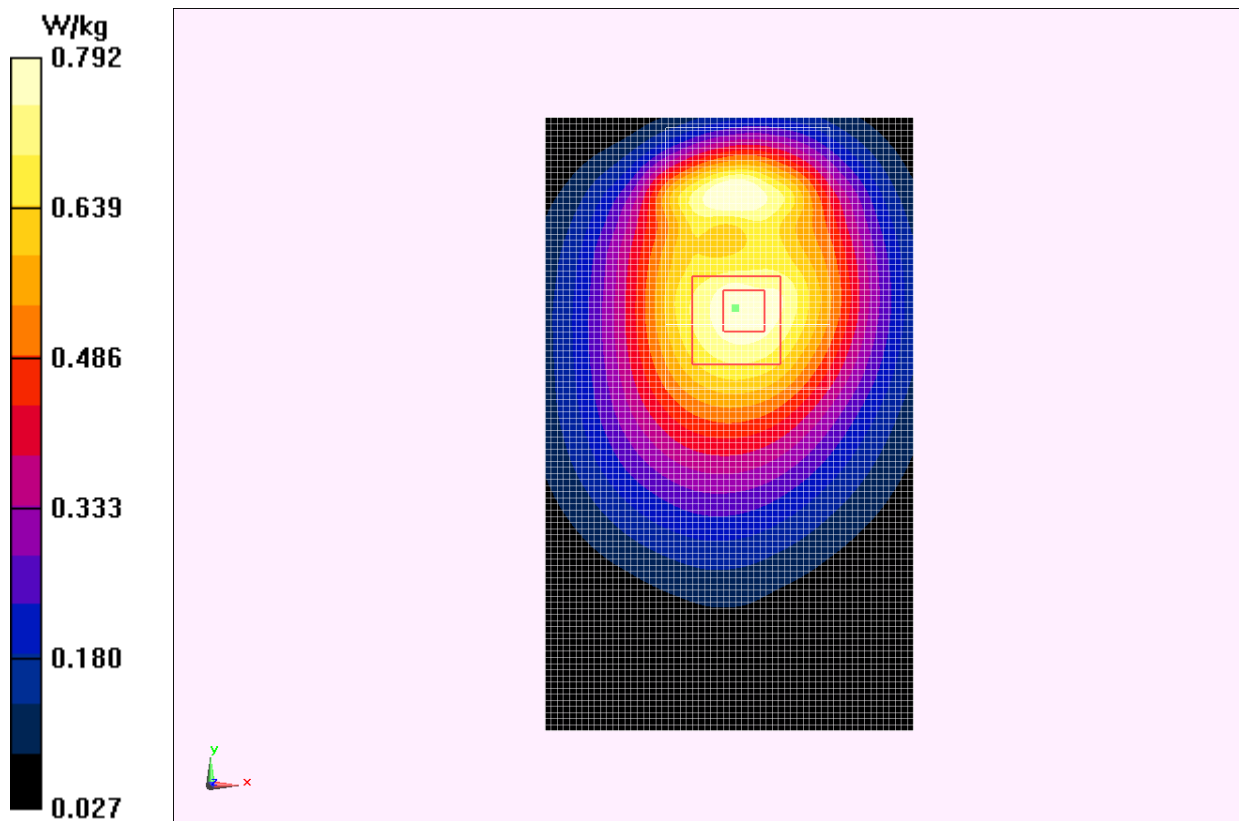


Fig.23 850 MHz CH251

850 Body Toward Ground High with Headset CCB3160A11C4

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Body 835 MHz

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.003$ mho/m; $\epsilon_r = 55.451$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°C

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

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

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

Reference Value = 14.651 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.258 W/kg

Maximum value of SAR (interpolated) = 0.400 W/kg

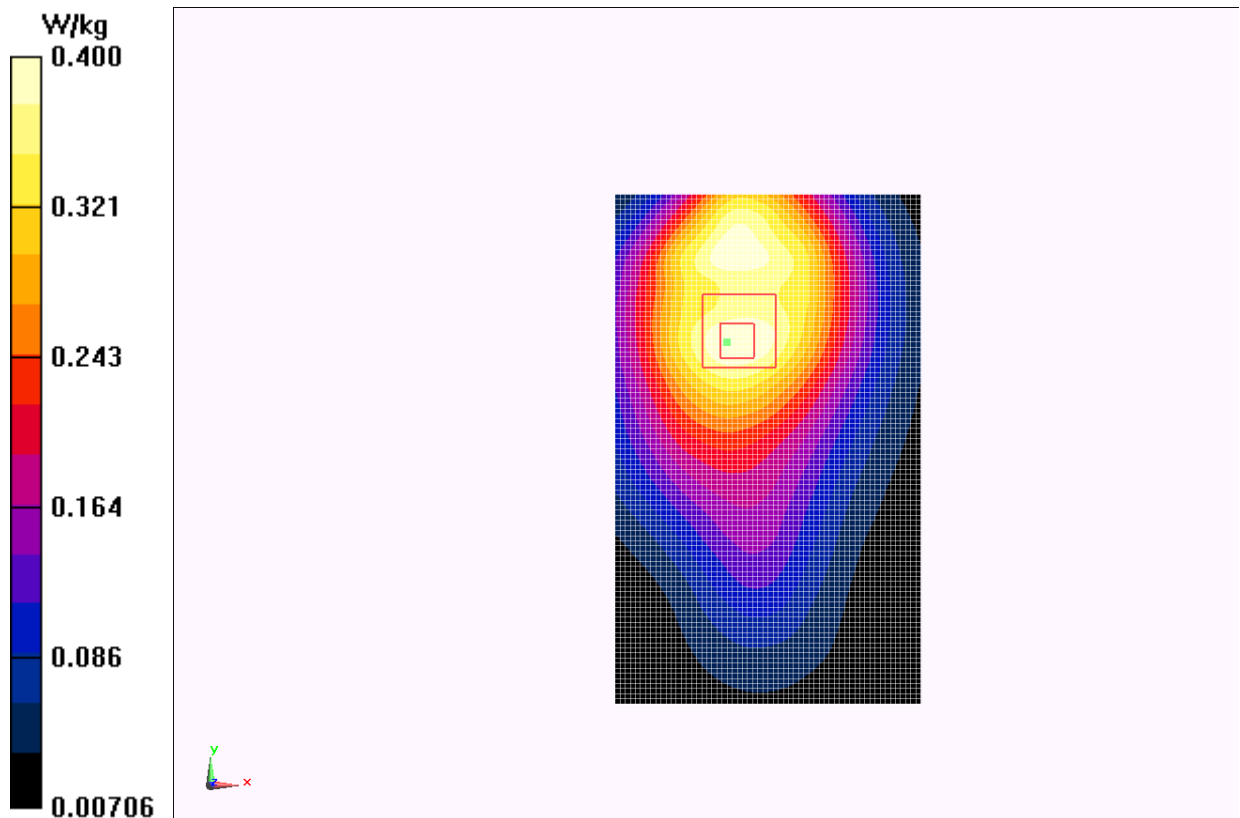


Fig. 24 850 MHz CH251

1900 Left Cheek High

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.336$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 6.684 V/m; Power Drift = 0.15 dB

Fast SAR: SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (interpolated) = 0.324 mW/g

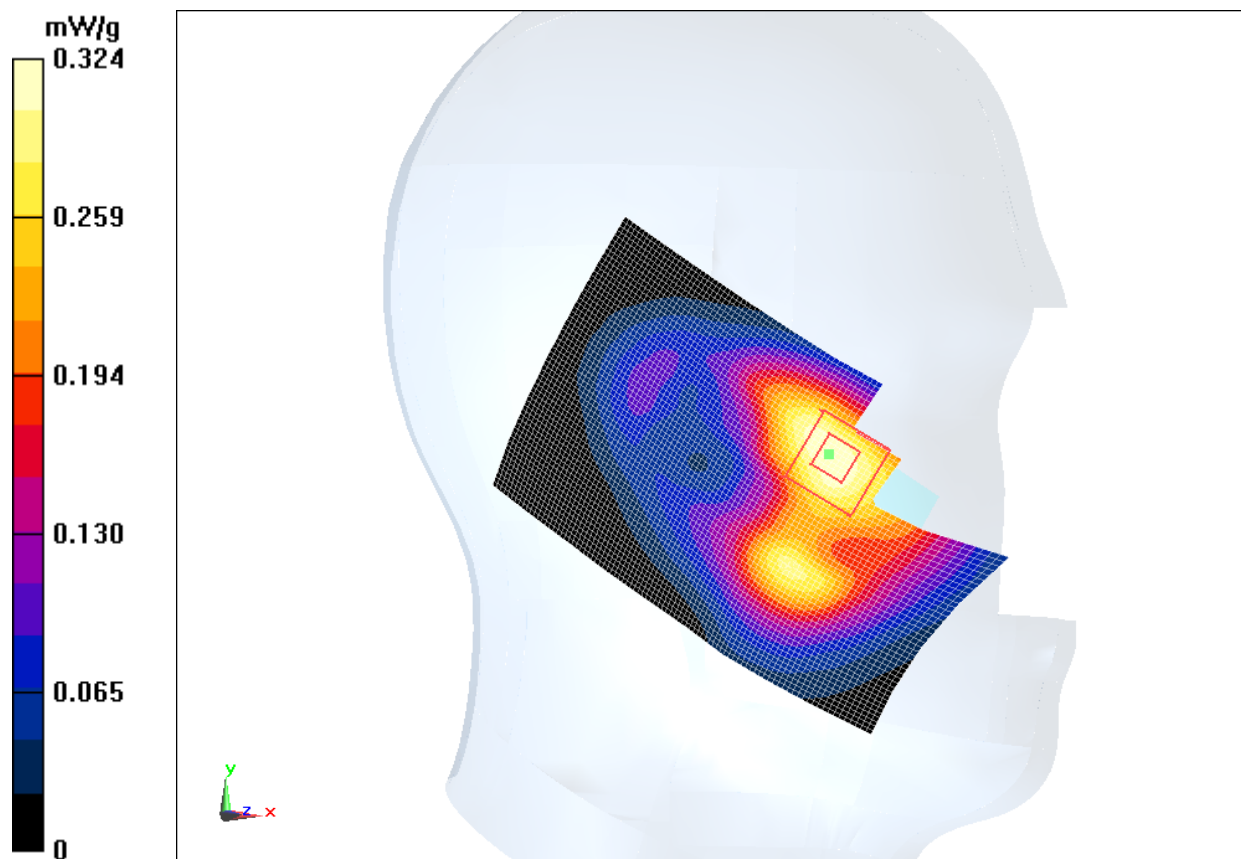


Fig. 25 1900 MHz CH810

1900 Left Cheek Middle

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head GSM1900

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.391$ mho/m; $\epsilon_r = 39.448$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 6.979 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (interpolated) = 0.316 mW/g

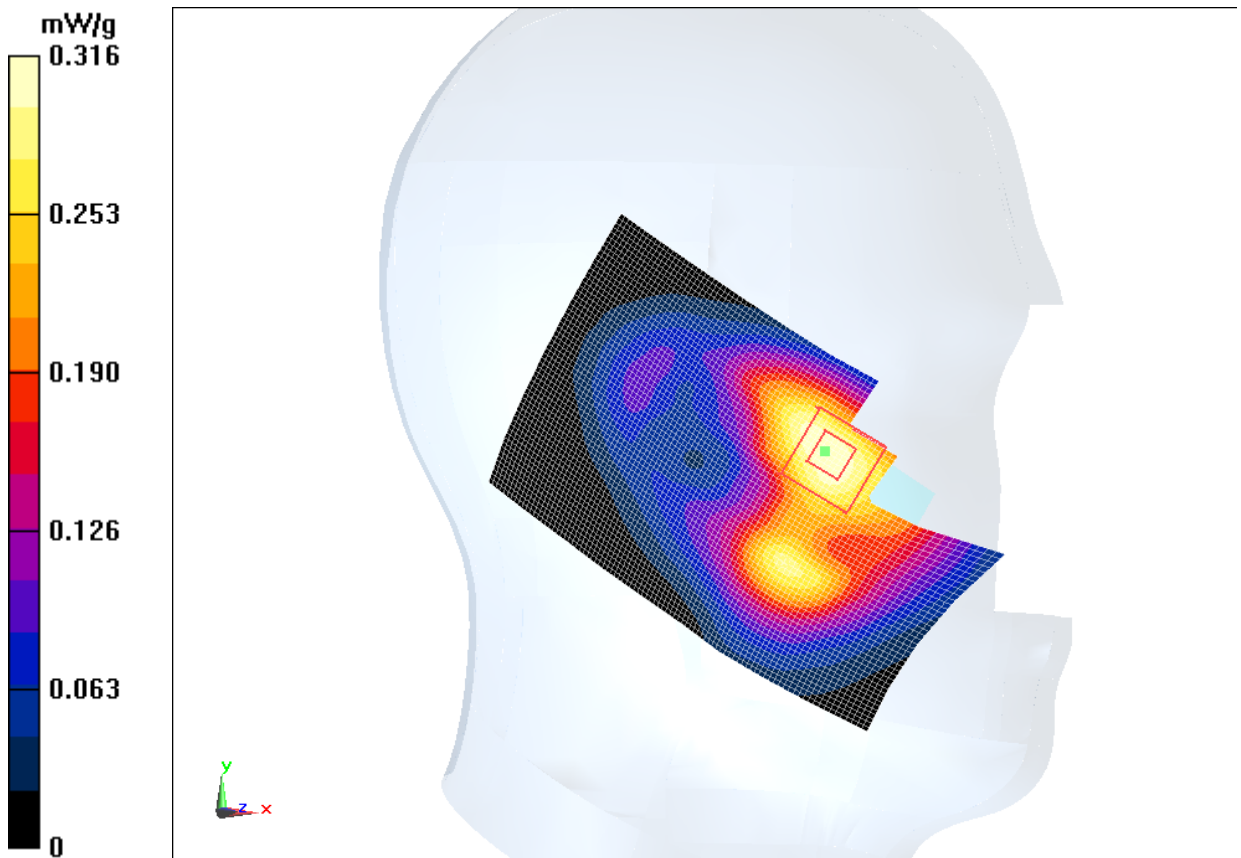


Fig. 26 1900 MHz CH661

1900 Left Cheek Low

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r = 39.541$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 6.677 V/m; Power Drift = 0.12 dB

Fast SAR: SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR (interpolated) = 0.326 mW/g

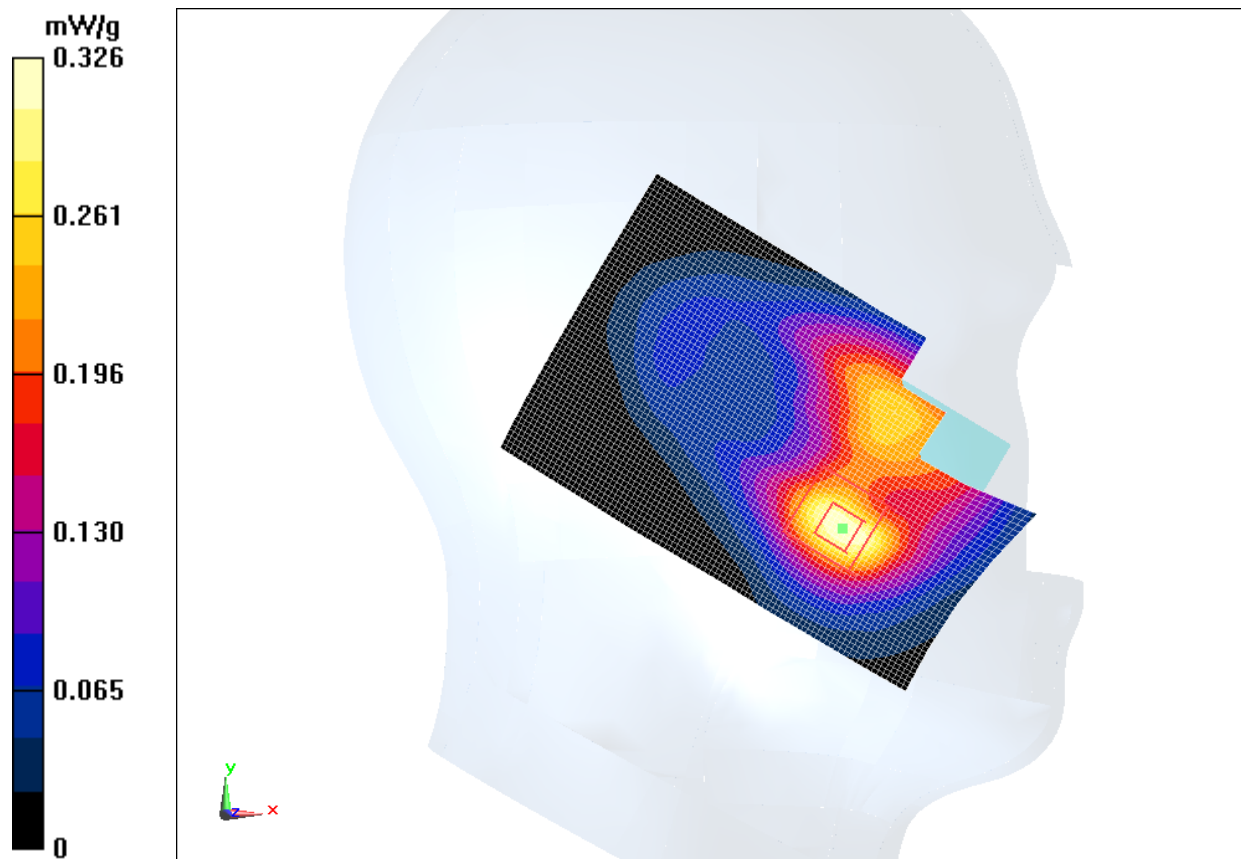


Fig. 27 1900 MHz CH512

1900 Left Tilt High

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.336$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 9.304 V/m; Power Drift = 0.15 dB

Fast SAR: SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.089 mW/g

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

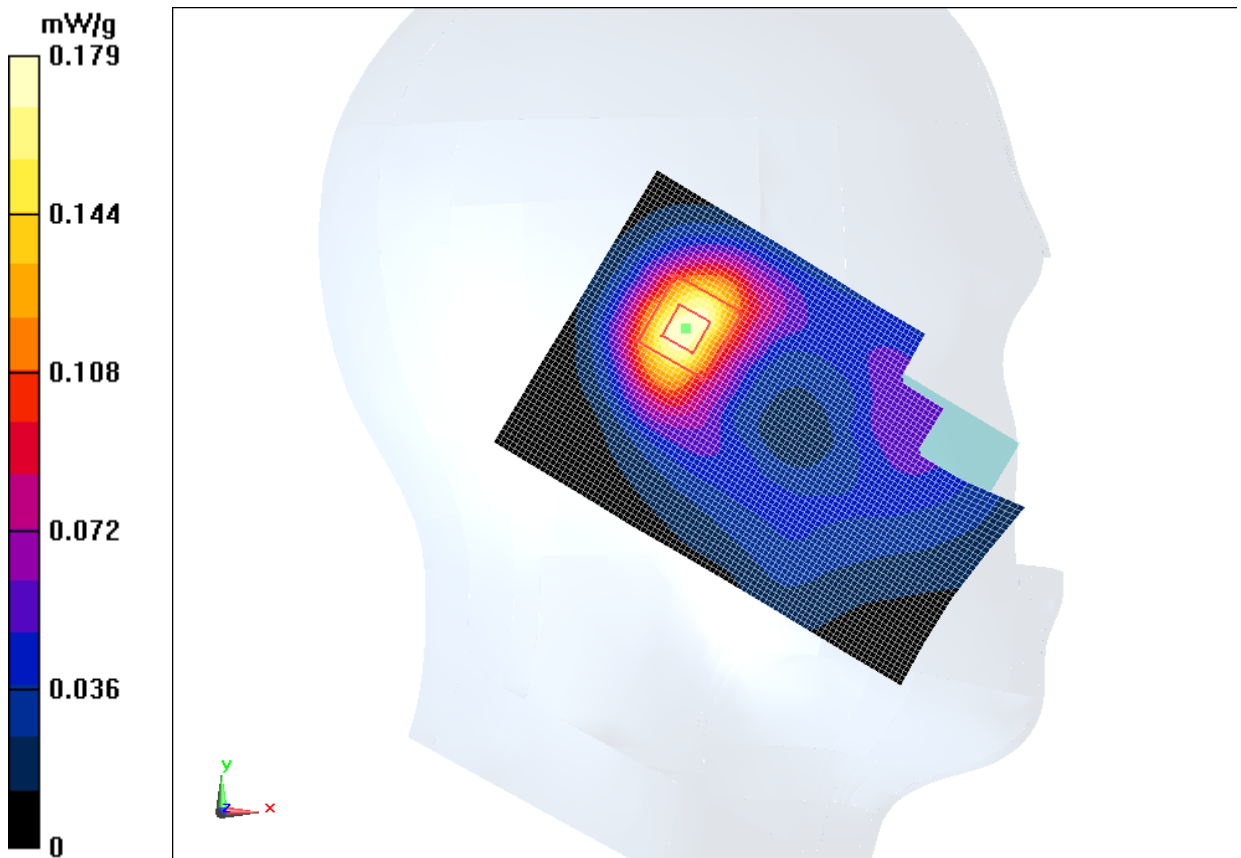


Fig. 28 1900 MHz CH810

1900 Left Tilt Middle

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.391$ mho/m; $\epsilon_r = 39.448$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 9.764 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.090 mW/g

Maximum value of SAR (interpolated) = 0.181 mW/g

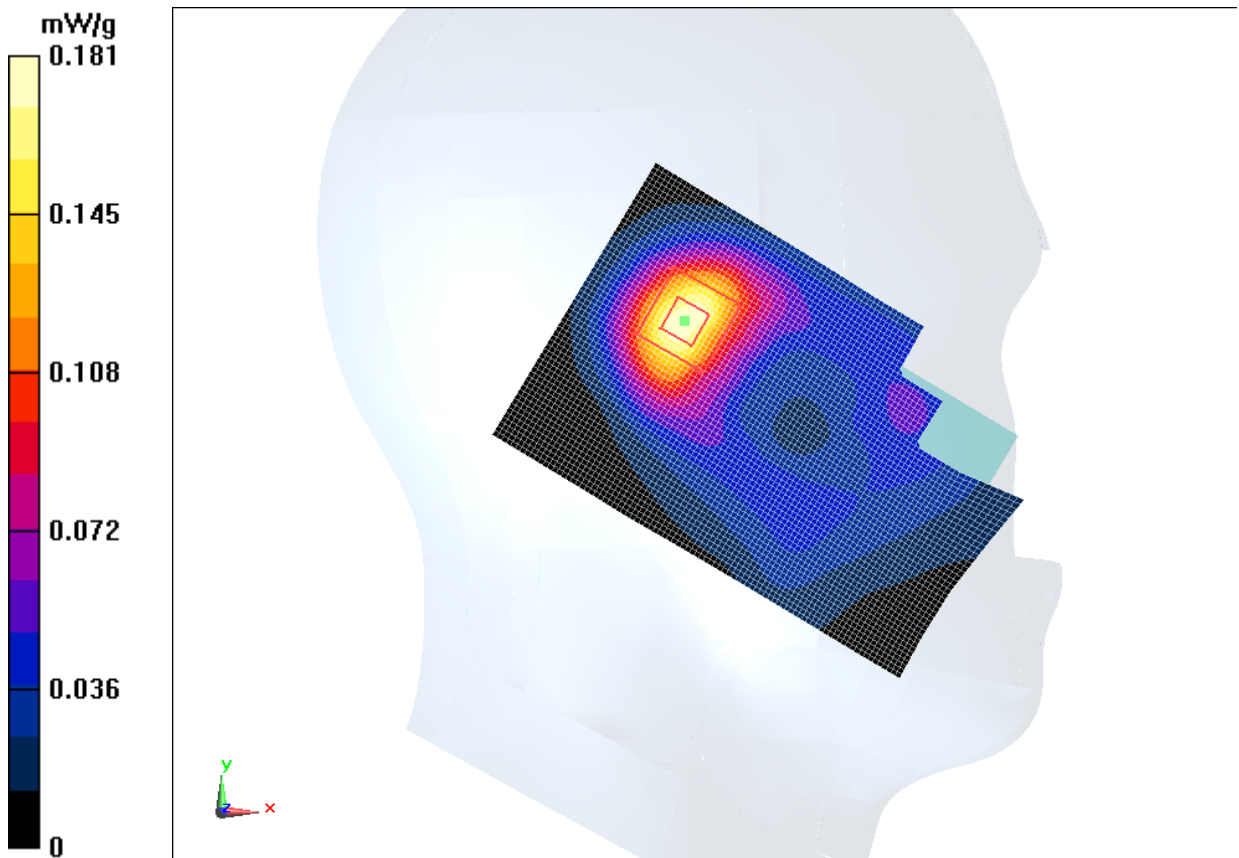


Fig. 29 1900 MHz CH661

1900 Left Tilt Low

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r = 39.541$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 9.434 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.079 mW/g

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

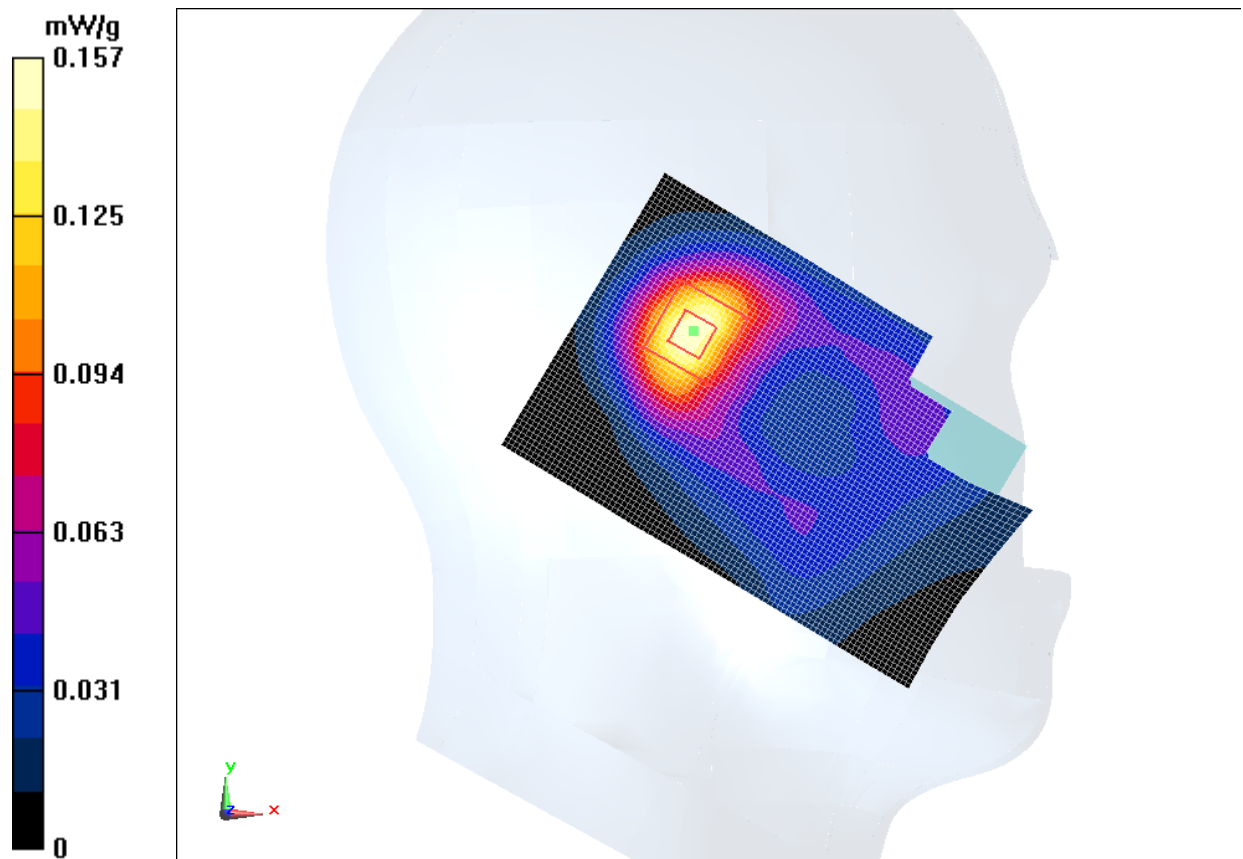


Fig. 30 1900 MHz CH512

1900 Right Cheek High

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.336$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 6.918 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (interpolated) = 0.712 mW/g

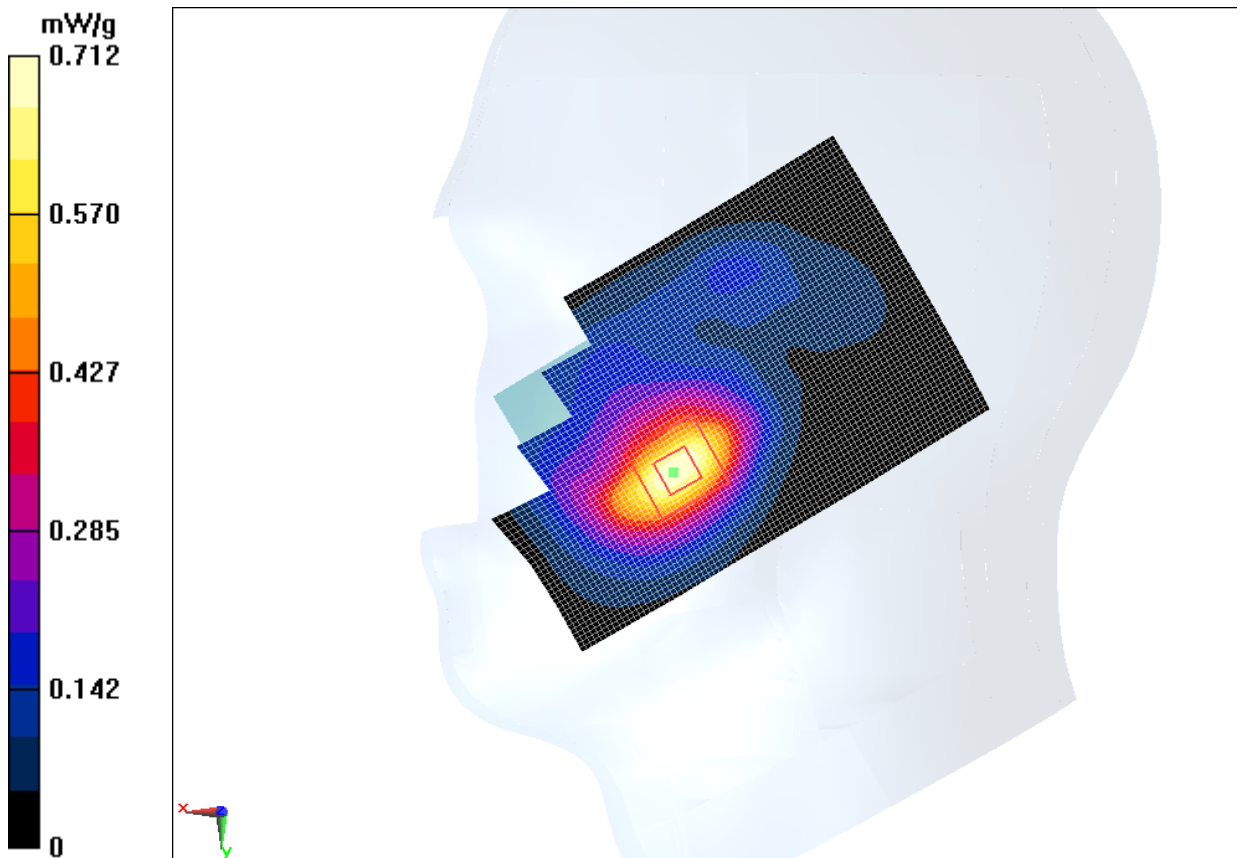


Fig. 31 1900 MHz CH810

1900 Right Cheek Middle

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.391$ mho/m; $\epsilon_r = 39.448$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.731 mW/g

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

Reference Value = 8.275 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.051 mW/g

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.389 mW/g

Maximum value of SAR (measured) = 0.730 mW/g

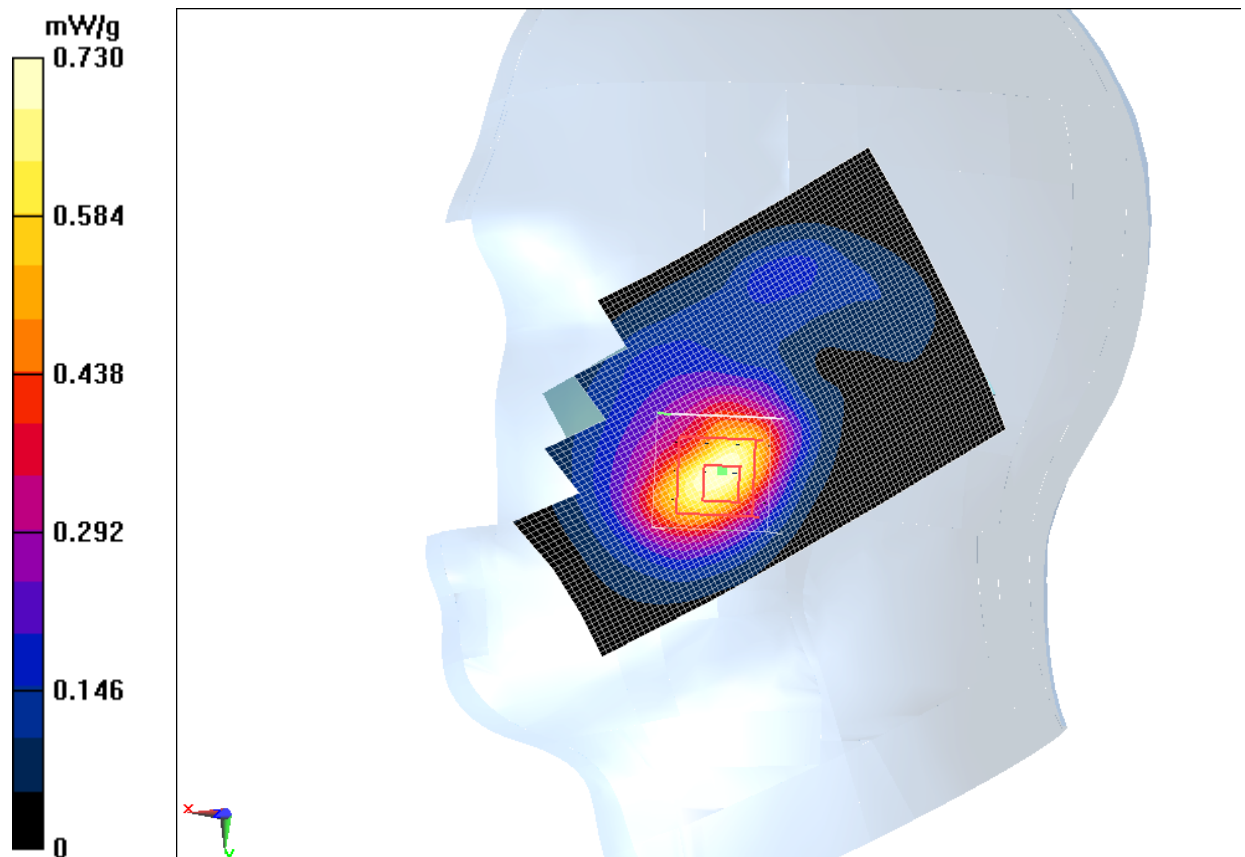


Fig. 32 1900 MHz CH661

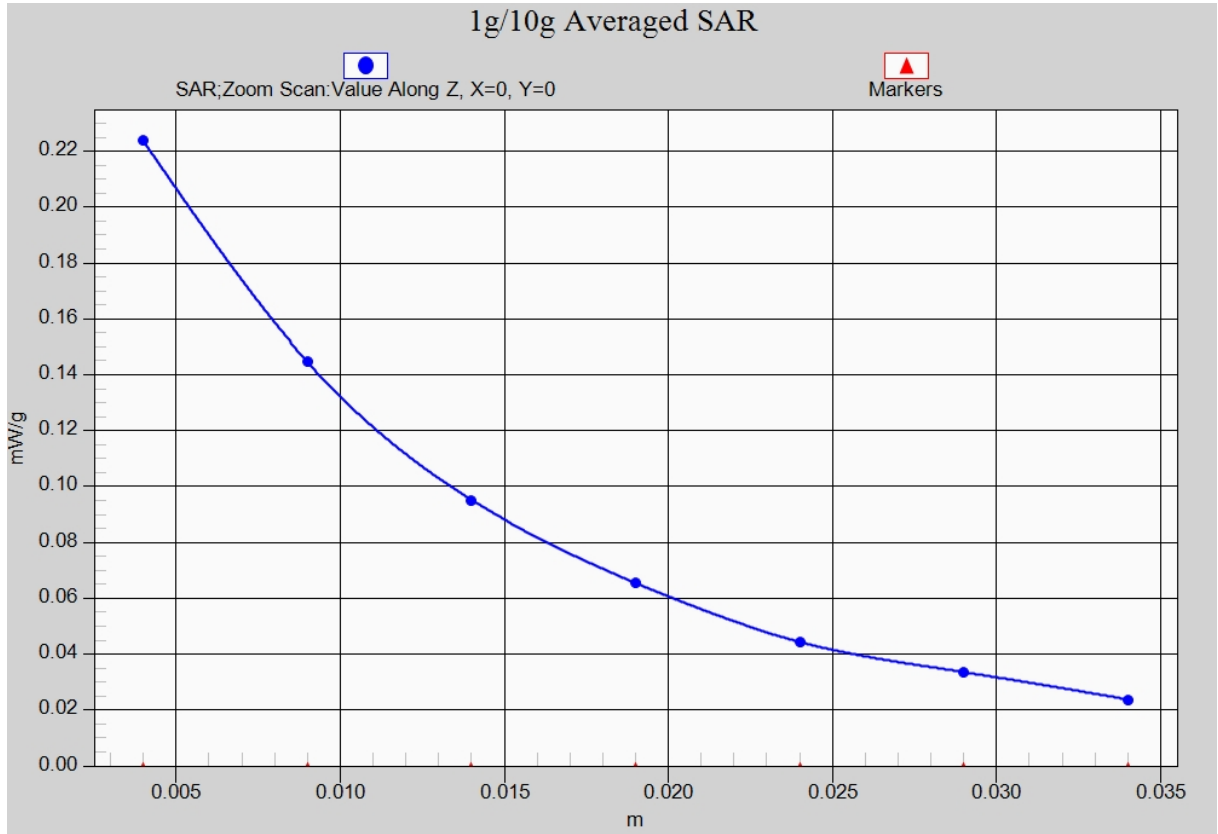


Fig. 32-1 Z-Scan at power reference point (1900 MHz CH661)

1900 Right Cheek Low

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r = 39.541$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 6.862 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 0.610 mW/g; SAR(10 g) = 0.330 mW/g

Maximum value of SAR (interpolated) = 0.692 mW/g

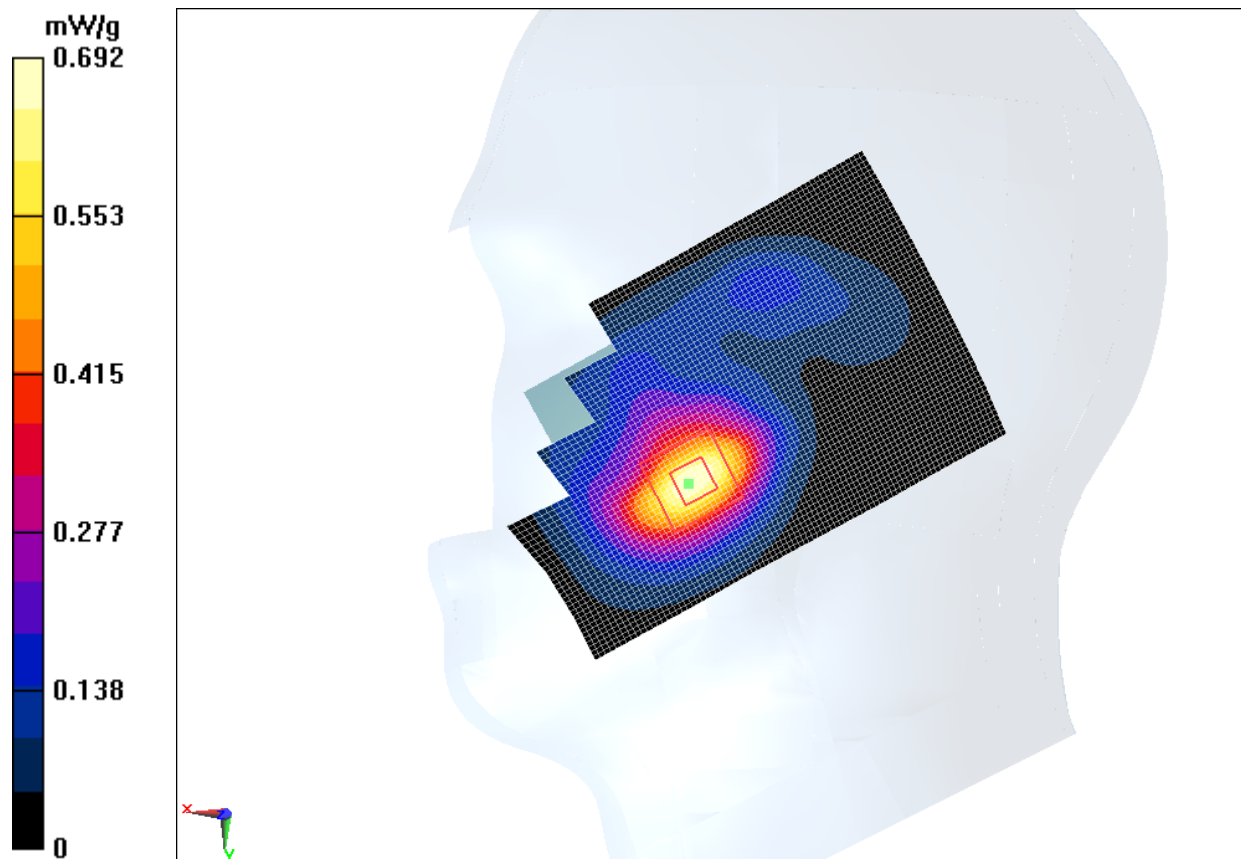


Fig. 33 1900 MHz CH512

1900 Right Tilt High

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.419$ mho/m; $\epsilon_r = 39.336$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 10.118 V/m; Power Drift = 0.00 dB

Fast SAR: SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (interpolated) = 0.170 mW/g

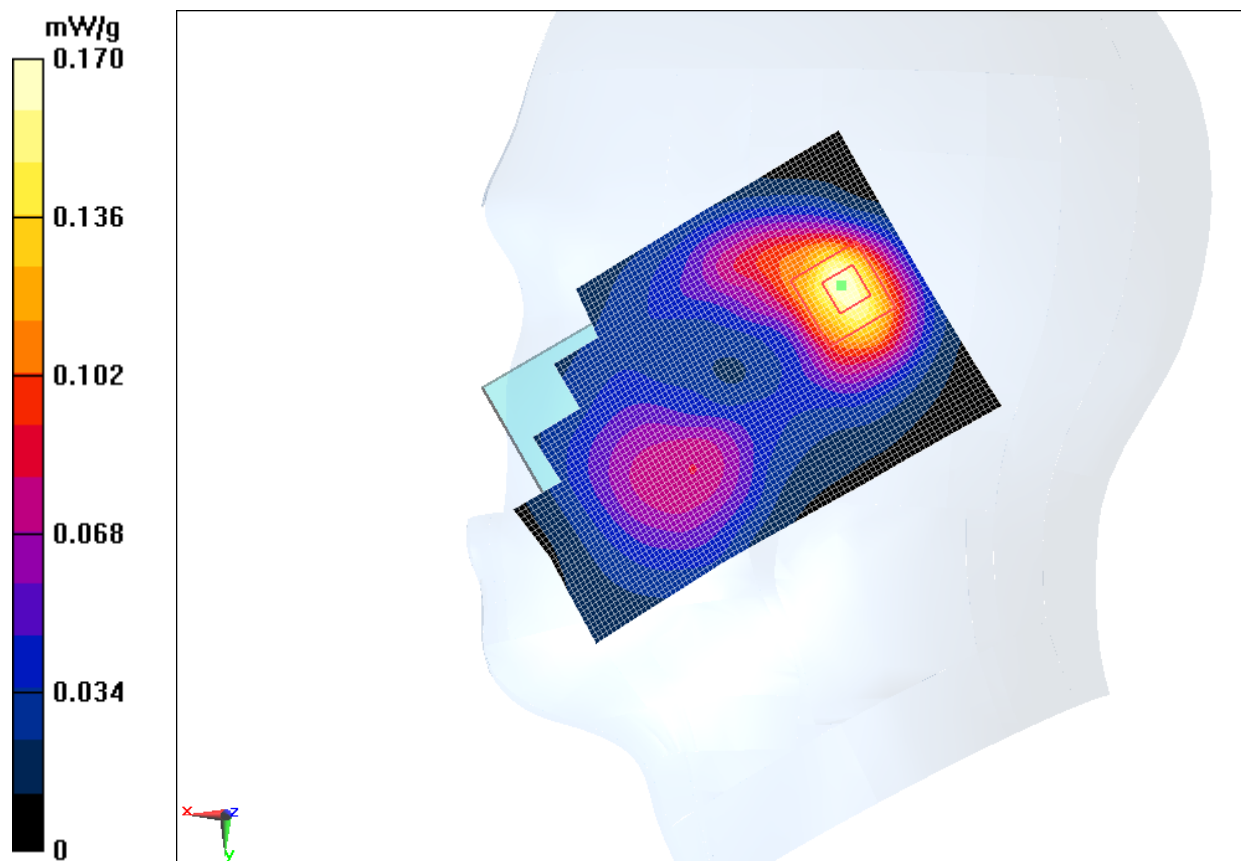


Fig. 34 1900 MHz CH810

1900 Right Tilt Middle

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.391$ mho/m; $\epsilon_r = 39.448$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 10.574 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (interpolated) = 0.178 mW/g

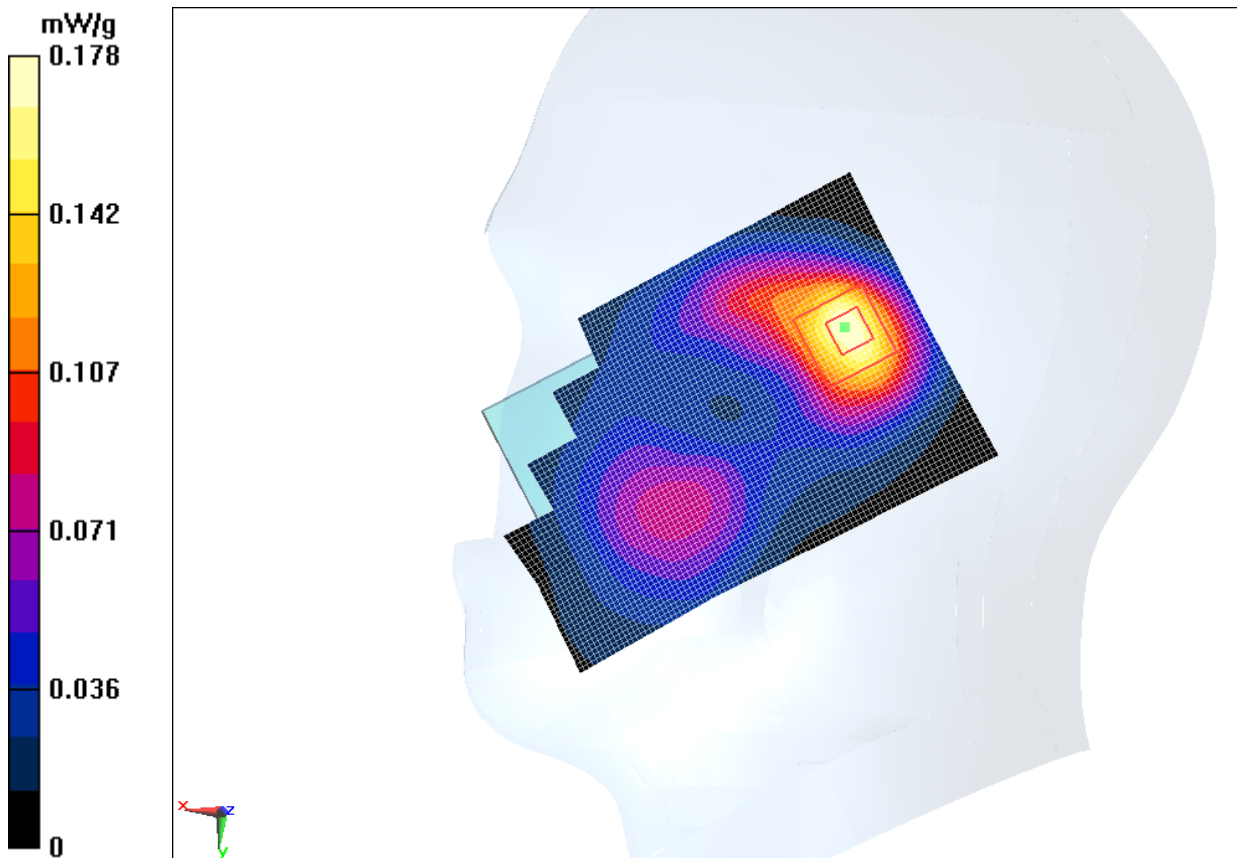


Fig.35 1900 MHz CH661

1900 Right Tilt Low

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r = 39.541$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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=10 mm, dy=10 mm

Reference Value = 10.373 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (interpolated) = 0.170 mW/g

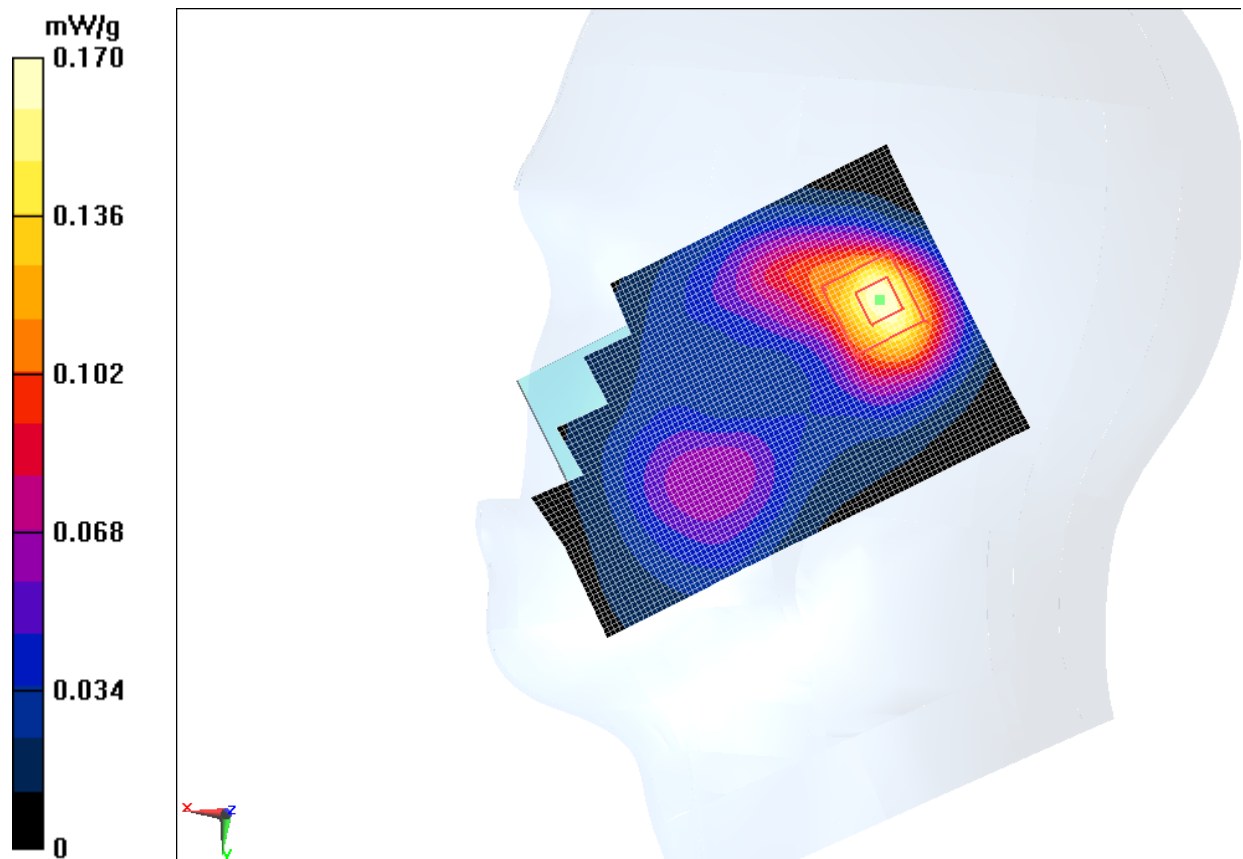


Fig. 36 1900 MHz CH512

1900 Body Toward Phantom Middle with GPRS

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.491$ mho/m; $\epsilon_r = 52.333$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

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

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

Toward Phantom Middle/Area Scan (61x111x1): Measurement grid: dx=10 mm, dy=10 mm

Reference Value = 7.154 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.282 mW/g

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

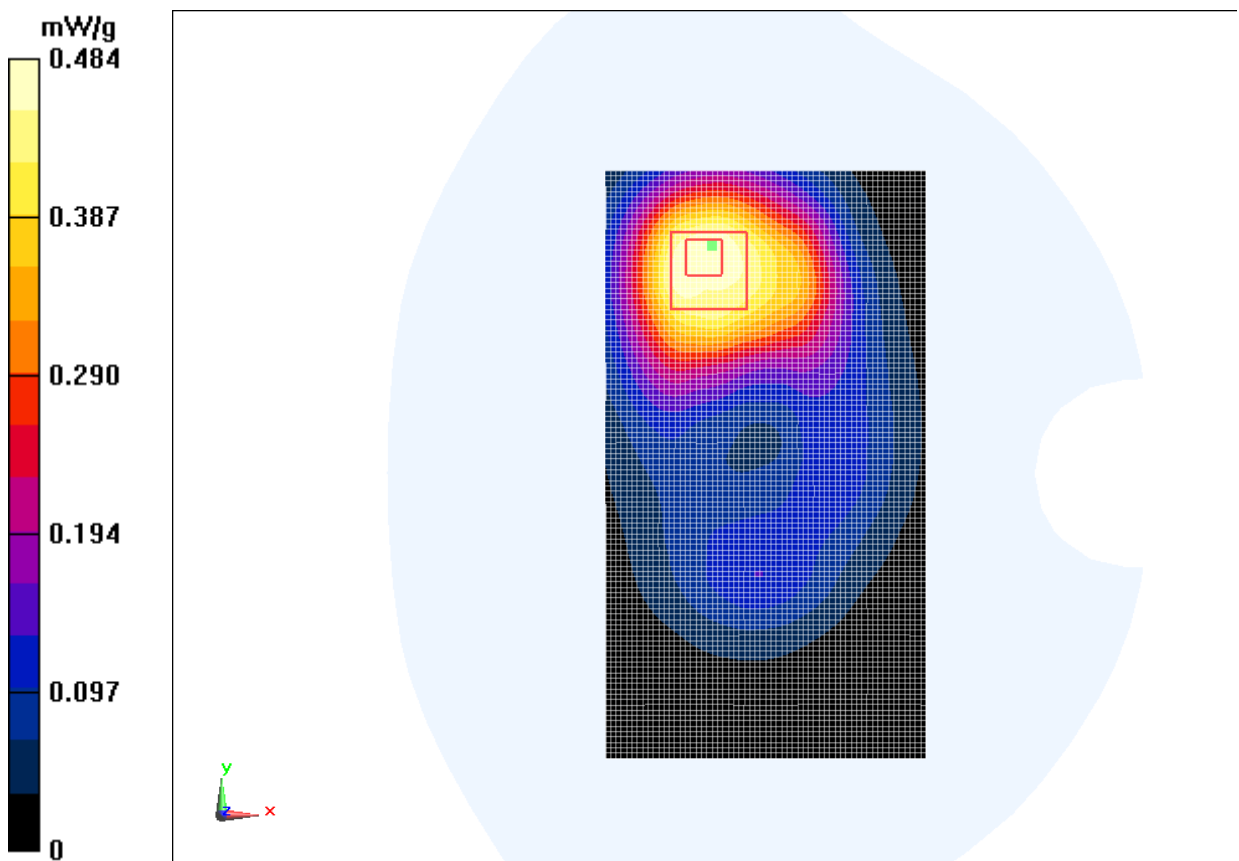


Fig. 37 1900 MHz CH661

1900 Body Toward Ground Middle with GPRS

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.491$ mho/m; $\epsilon_r = 52.333$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

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

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

Toward Ground Middle/Area Scan (61x111x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.695 mW/g

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

Reference Value = 9.331 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.977 mW/g

SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.391 mW/g

Maximum value of SAR (measured) = 0.683 mW/g

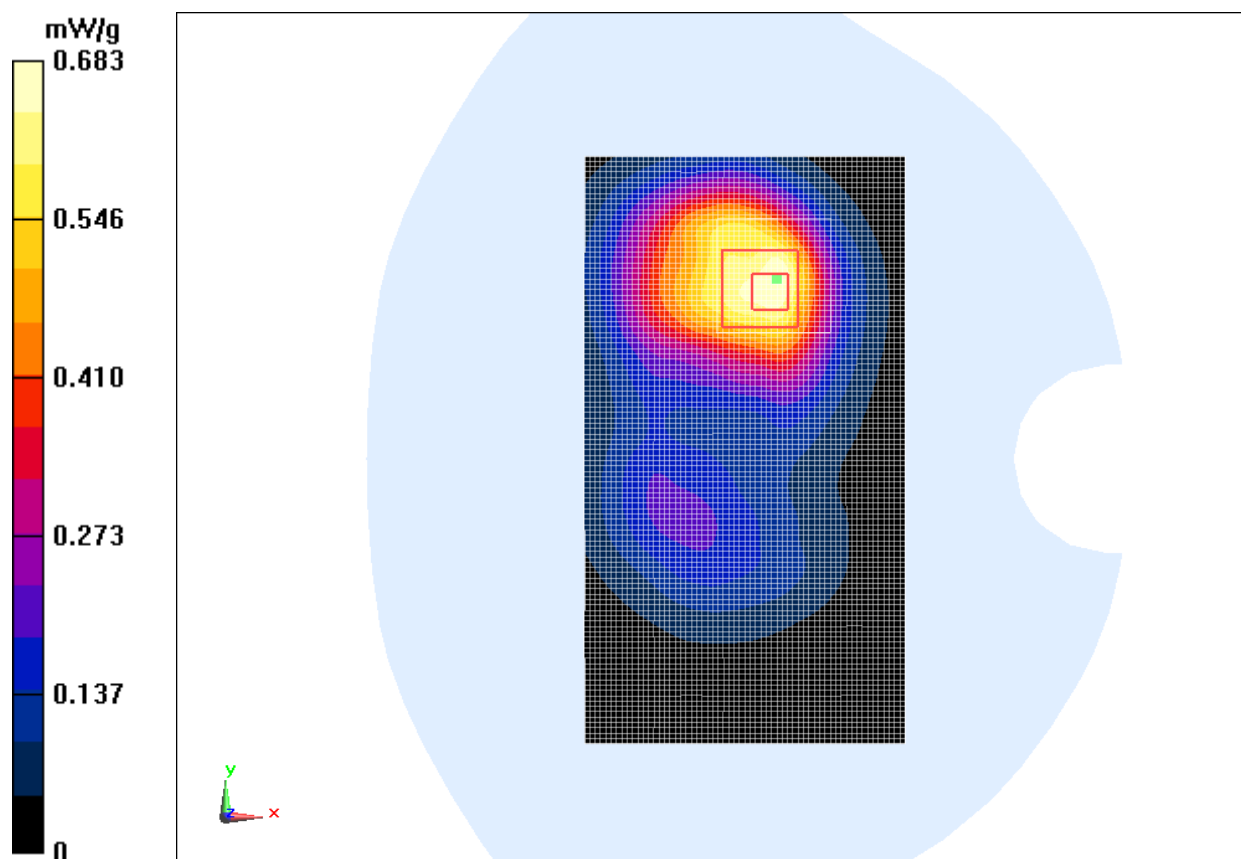


Fig. 38 1900 MHz CH661

1900 Body Left Side Middle with GPRS

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.491$ mho/m; $\epsilon_r = 52.333$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

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

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

Left Side Middle/Area Scan (61x111x1): Measurement grid: dx=10 mm, dy=10 mm

Reference Value = 7.845 V/m; Power Drift = 0.05 dB

Fast SAR: SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.056 mW/g

Maximum value of SAR (interpolated) = 0.109 mW/g

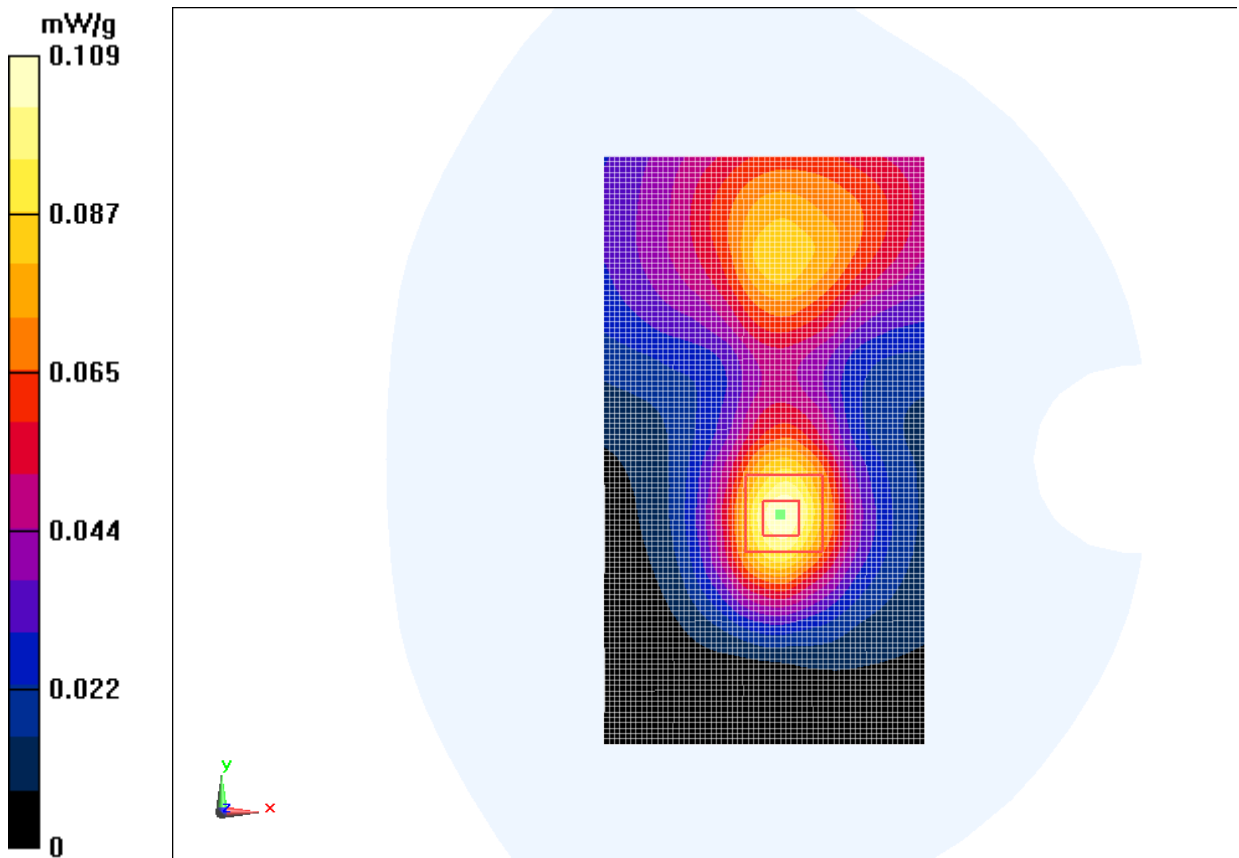


Fig. 39 1900 MHz CH661

1900 Body Right Side Middle with GPRS

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.491$ mho/m; $\epsilon_r = 52.333$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

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

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

Right Side Middle/Area Scan (61x111x1): Measurement grid: dx=10 mm, dy=10 mm

Reference Value = 9.502 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.077 mW/g

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

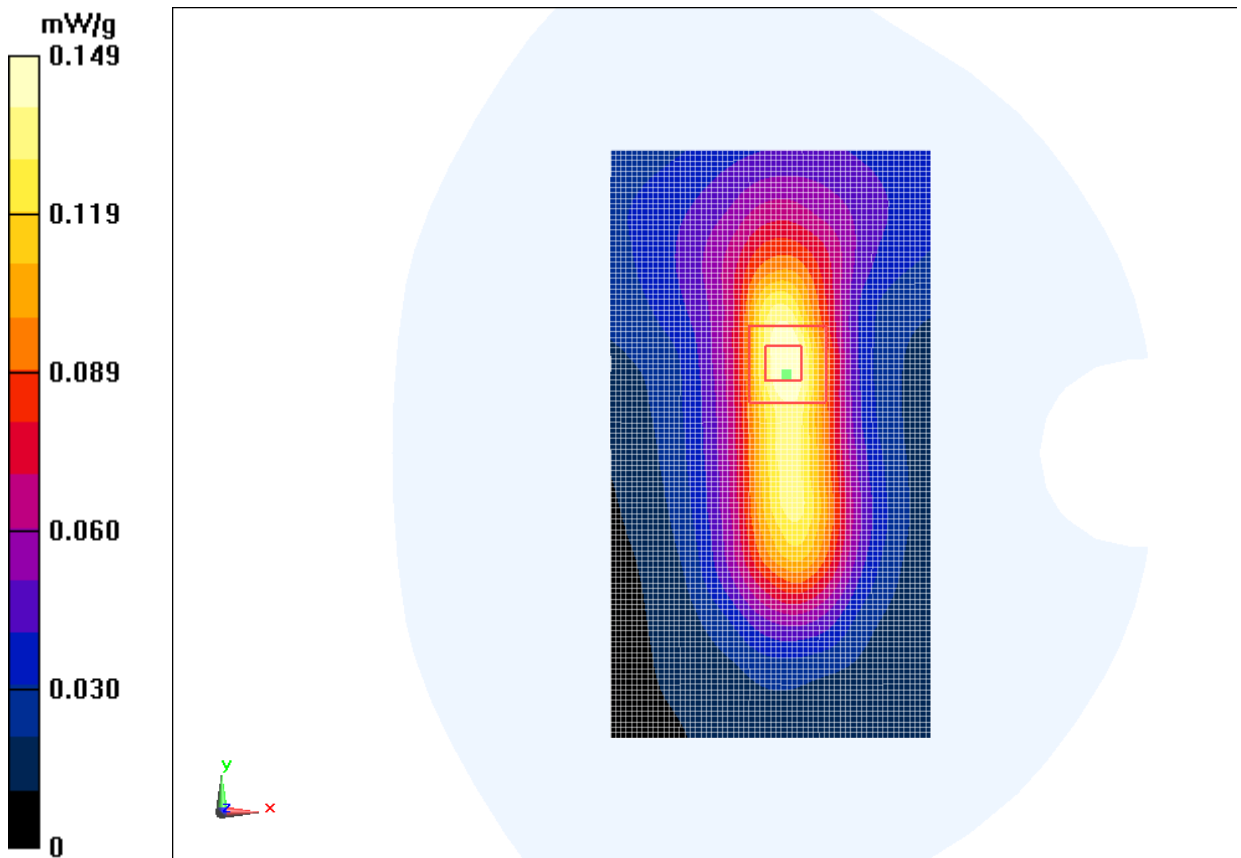


Fig. 40 1900 MHz CH661

1900 Body Bottom Side High with GPRS

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.211$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

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

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

Bottom Side High/Area Scan (61x111x1): Measurement grid: dx=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.953 mW/g

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

Reference Value = 23.856 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.390 mW/g

SAR(1 g) = 0.850 mW/g; SAR(10 g) = 0.469 mW/g

Maximum value of SAR (measured) = 0.981 mW/g

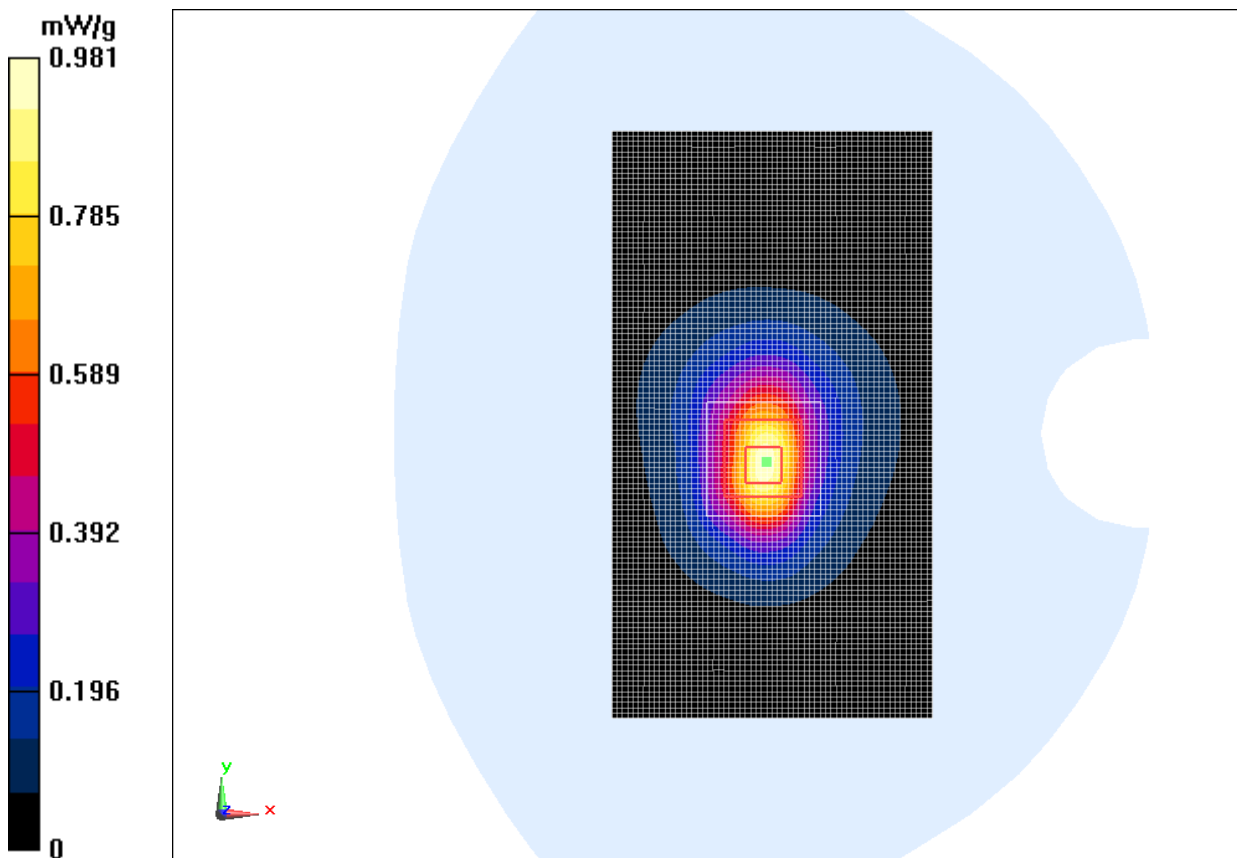


Fig. 41 1900 MHz CH810

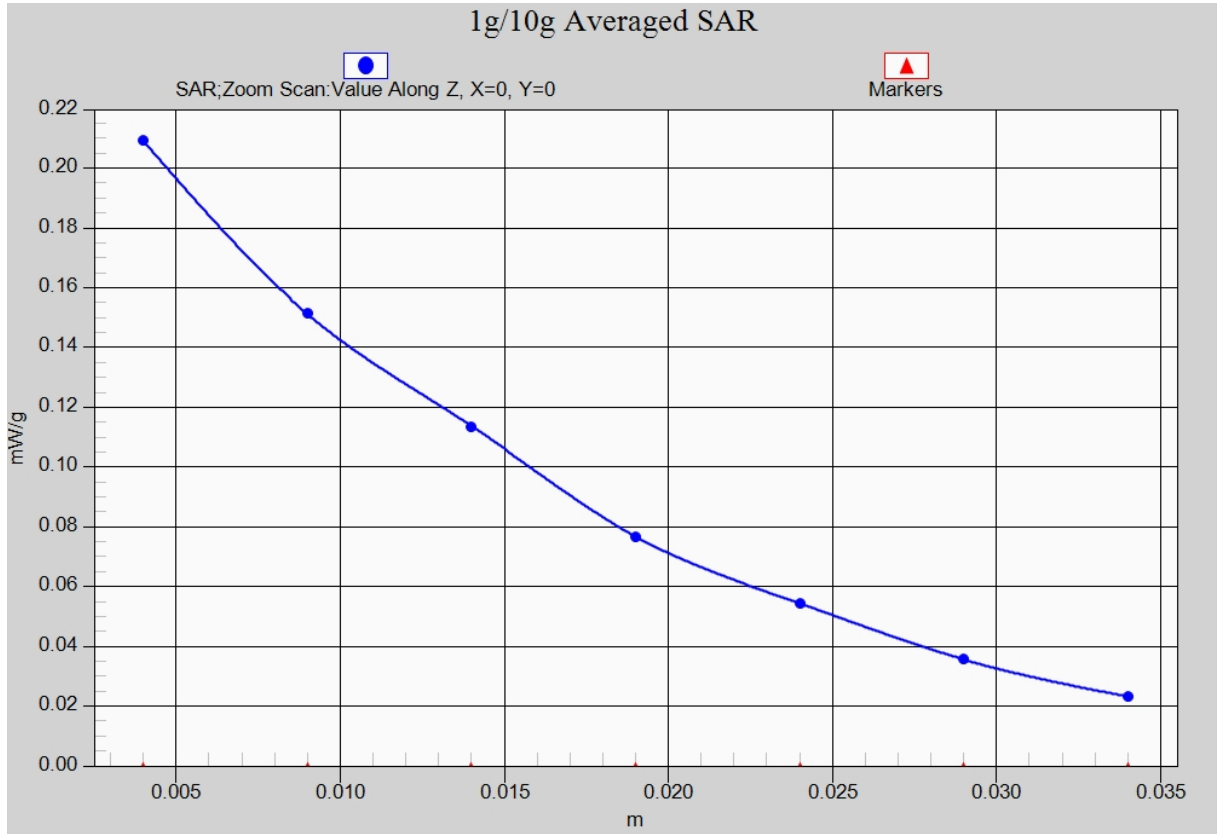


Fig. 41-1 Z-Scan at power reference point (1900 MHz CH810)

1900 Body Bottom Side Middle with GPRS

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.491$ mho/m; $\epsilon_r = 52.333$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

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

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

Bottom Side Middle/Area Scan (61x111x1): Measurement grid: dx=10 mm, dy=10 mm

Reference Value = 24.080 V/m; Power Drift = 0.11 dB

Fast SAR: SAR(1 g) = 0.796 mW/g; SAR(10 g) = 0.432 mW/g

Maximum value of SAR (interpolated) = 0.902 mW/g

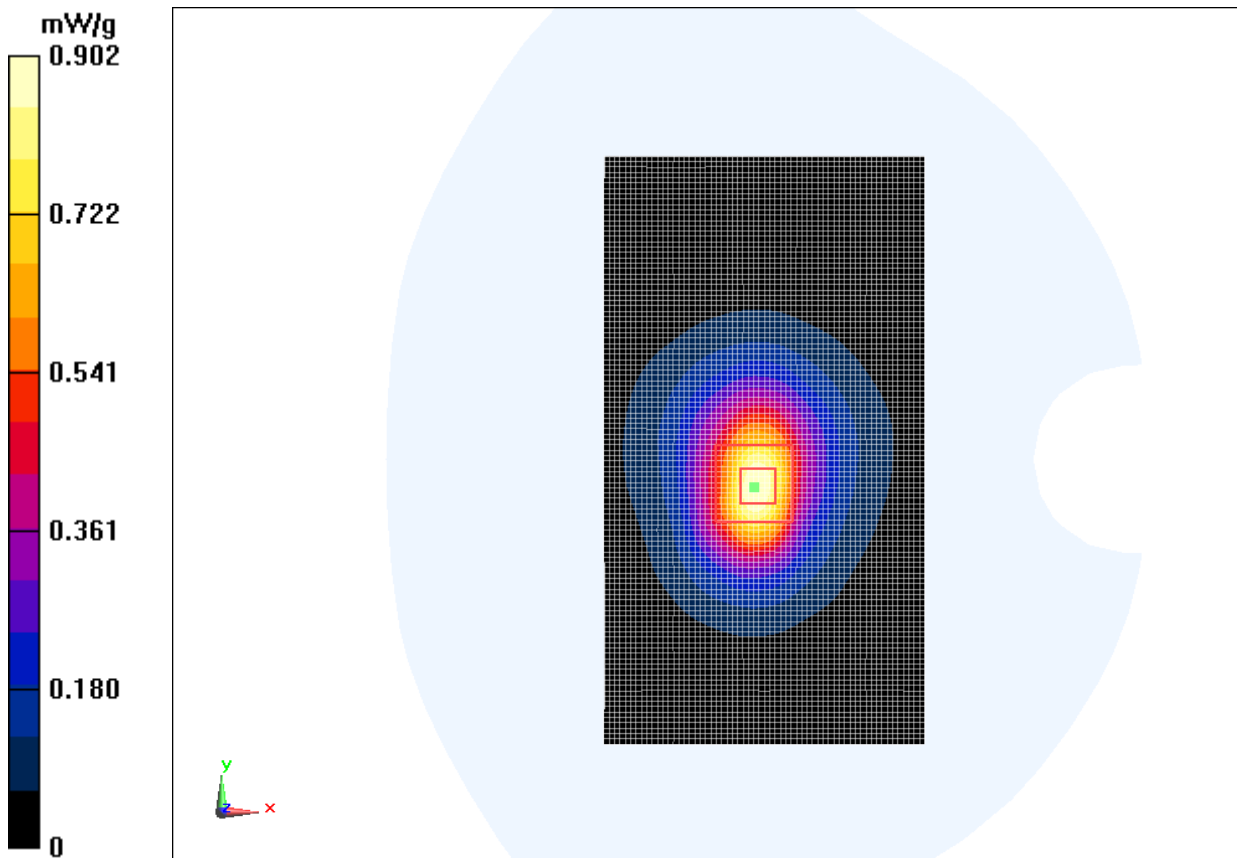


Fig. 42 1900 MHz CH661

1900 Body Bottom Side Low with GPRS

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.458$ mho/m; $\epsilon_r = 52.468$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

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

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

Bottom Side Low/Area Scan (61x111x1): Measurement grid: dx=10 mm, dy=10 mm

Reference Value = 22.181 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.372 mW/g

Maximum value of SAR (interpolated) = 0.782 mW/g

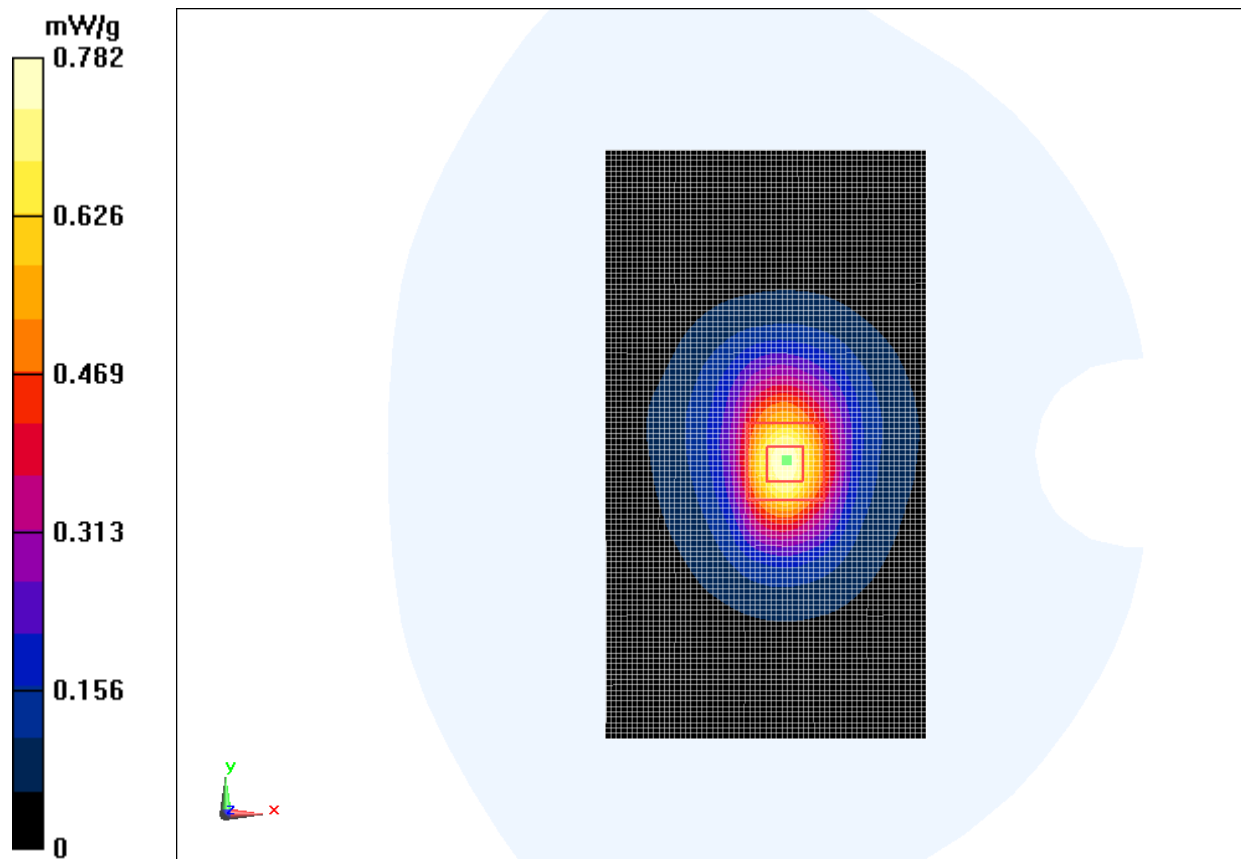


Fig. 43 1900 MHz CH512

1900 Body Bottom Side High with EGPRS

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.211$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

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

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

Bottom Side High/Area Scan (61x111x1): Measurement grid: dx=10 mm, dy=10 mm

Reference Value = 23.918 V/m; Power Drift = 0.17 dB

Fast SAR: SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.426 mW/g

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

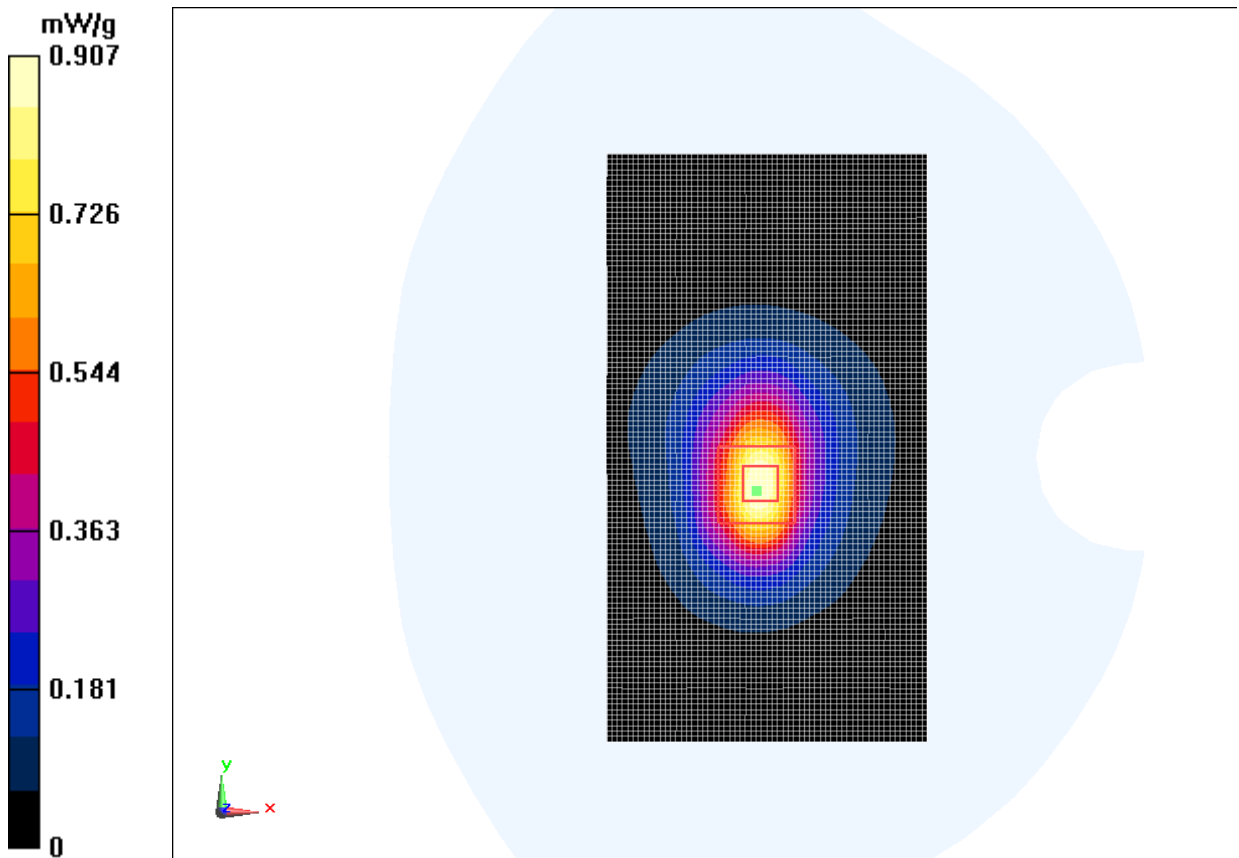


Fig. 44 1900 MHz CH810

1900 Body Bottom Side High with Headset CCB3160A11C6

Date: 2013-5-3

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 51.65$; $\rho = 1000$ kg/m³

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

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

Probe: EX3DV4 - SN3846 ConvF(7.37, 7.37, 7.37)

Bottom Side High/Area Scan (61x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.521 W/kg

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

Reference Value = 18.052 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.758 W/kg

SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.275 W/kg

Maximum value of SAR (measured) = 0.520 W/kg

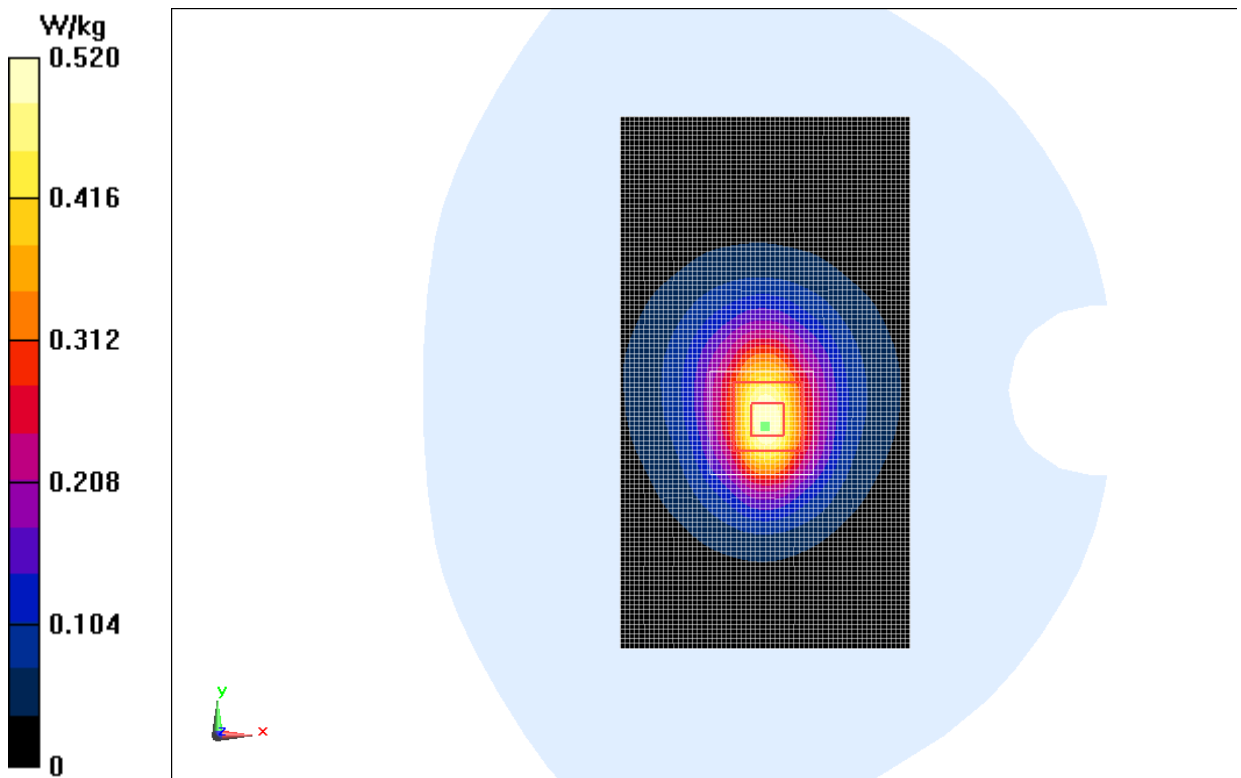


Fig.45 1900 MHz CH810

1900 Body Bottom Side High with Headset CCB3160A11C4

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.211$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°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 (61x111x1): Measurement grid: dx=10 mm, dy=10 mm

Reference Value = 19.071 V/m; Power Drift = 0.00 dB

Fast SAR: SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.268 mW/g

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

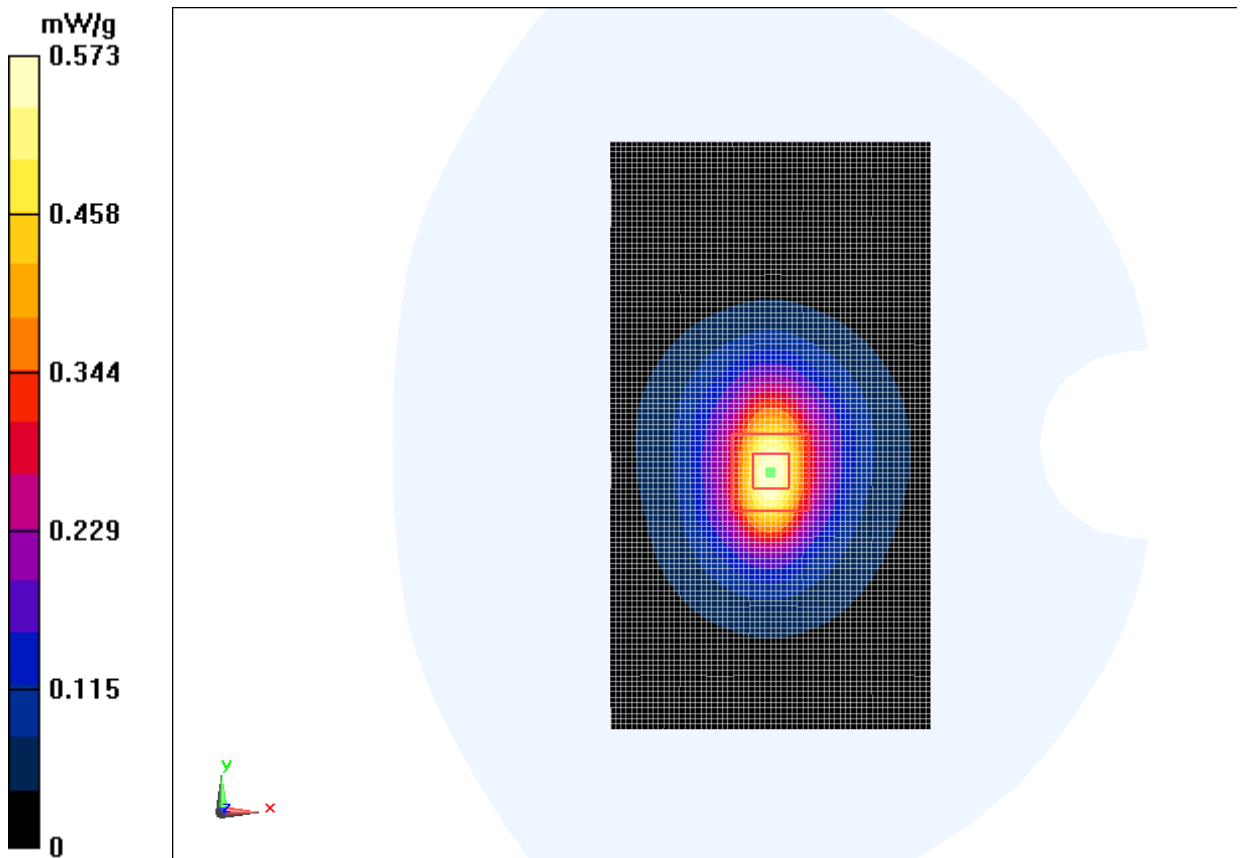


Fig. 46 1900 MHz CH810

WCDMA 850 Left Cheek High

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 40.673$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Reference Value = 8.290 V/m; Power Drift = 0.12 dB

Fast SAR: SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.351 W/kg

Maximum value of SAR (interpolated) = 0.554 W/kg

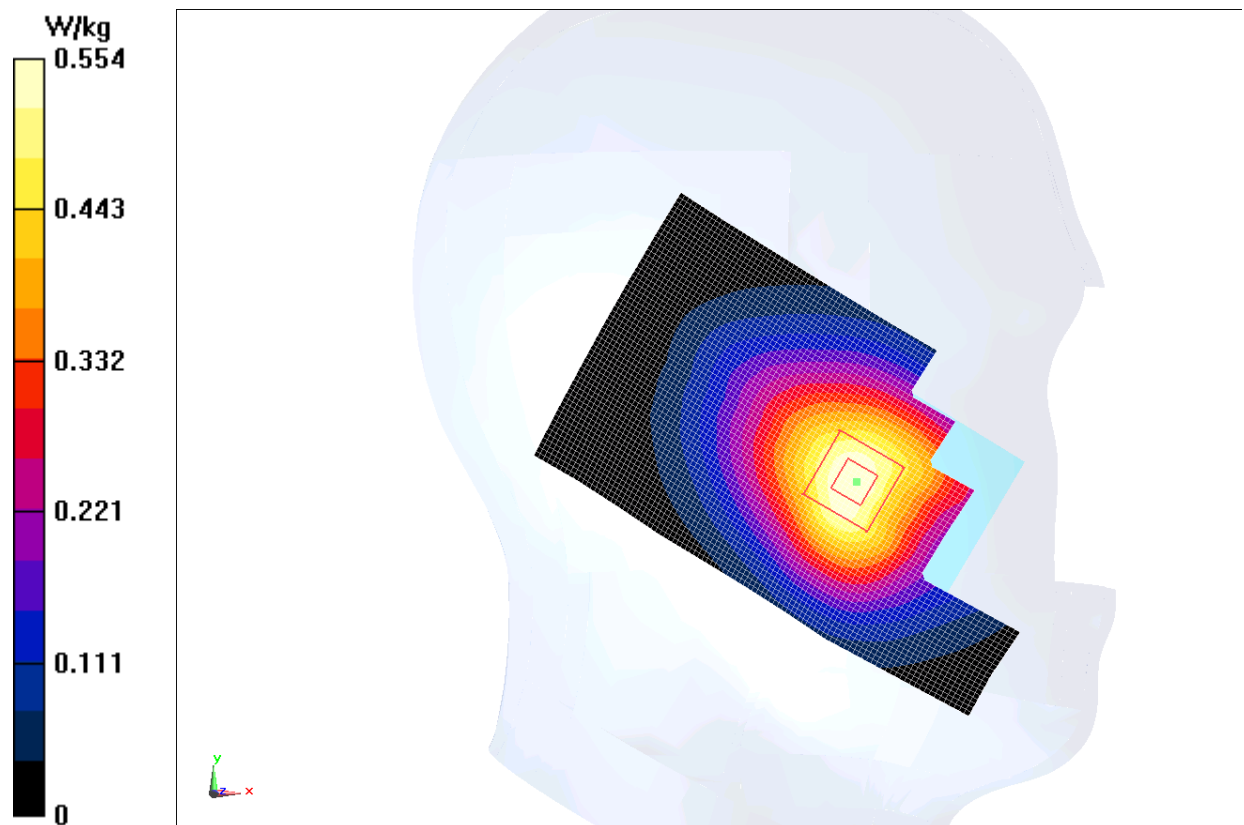


Fig. 47 WCDMA 850 CH4233

WCDMA 850 Left Cheek Middle

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.883$ mho/m; $\epsilon_r = 40.807$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.659 W/kg

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

Reference Value = 9.194 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.809 W/kg

SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.481 W/kg

Maximum value of SAR (measured) = 0.681 W/kg

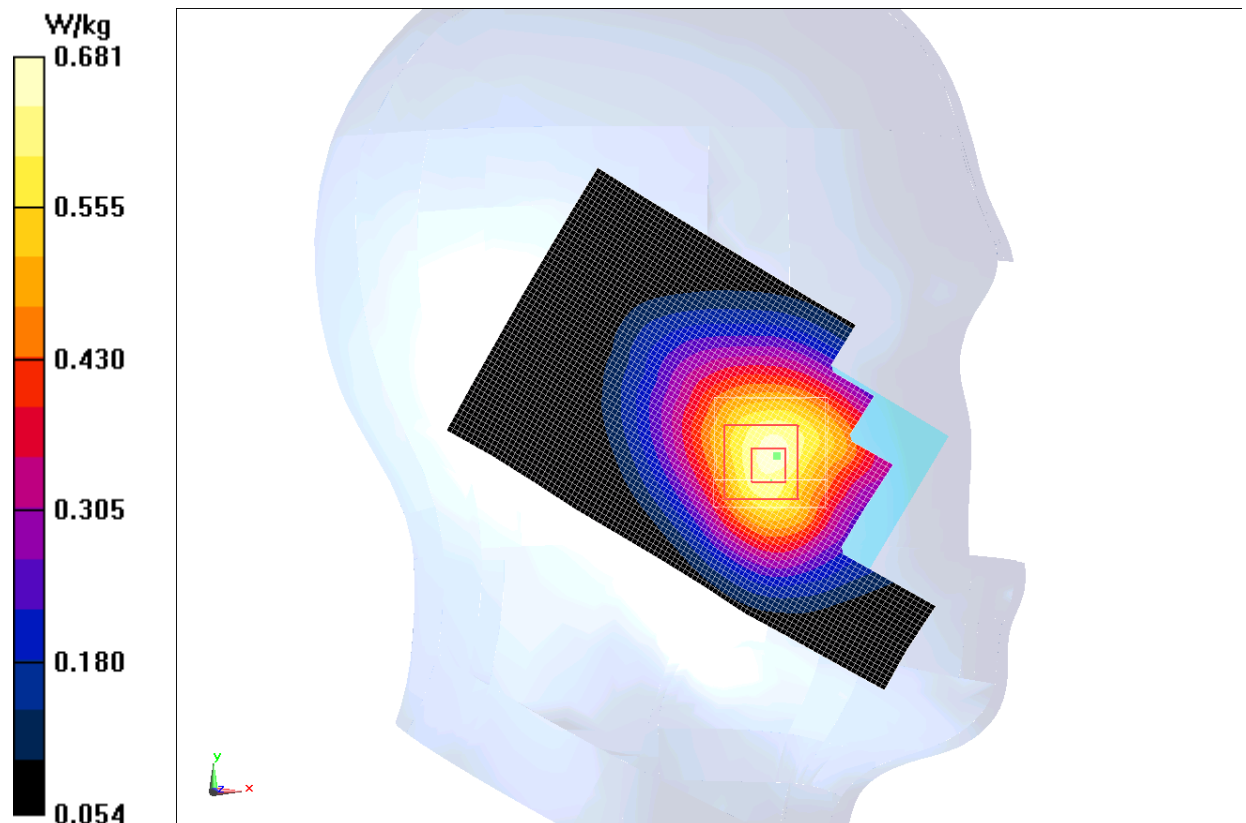


Fig. 48 WCDMA 850 CH4182

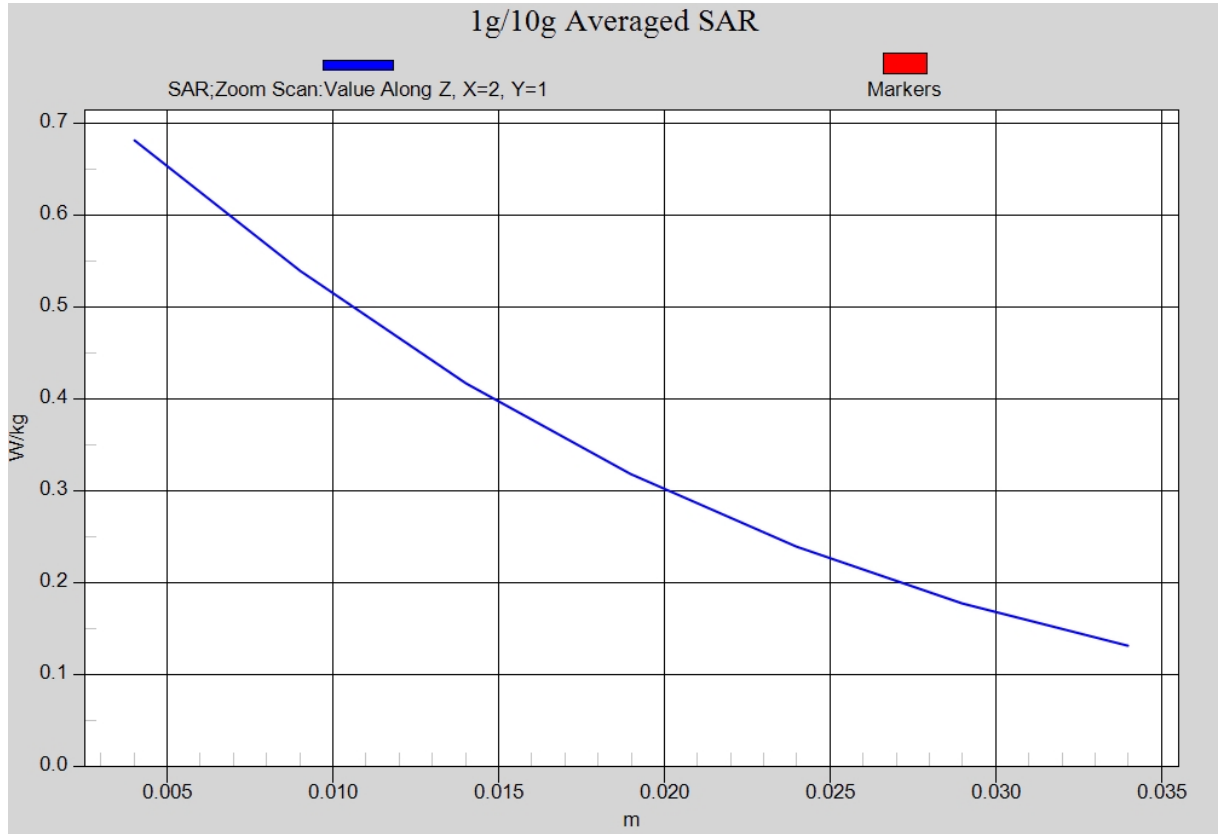


Fig. 48-1 Z-Scan at power reference point (WCDMA 850 CH4182)

WCDMA 850 Left Cheek Low

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.873$ mho/m; $\epsilon_r = 40.929$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Reference Value = 8.218 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (interpolated) = 0.489 W/kg

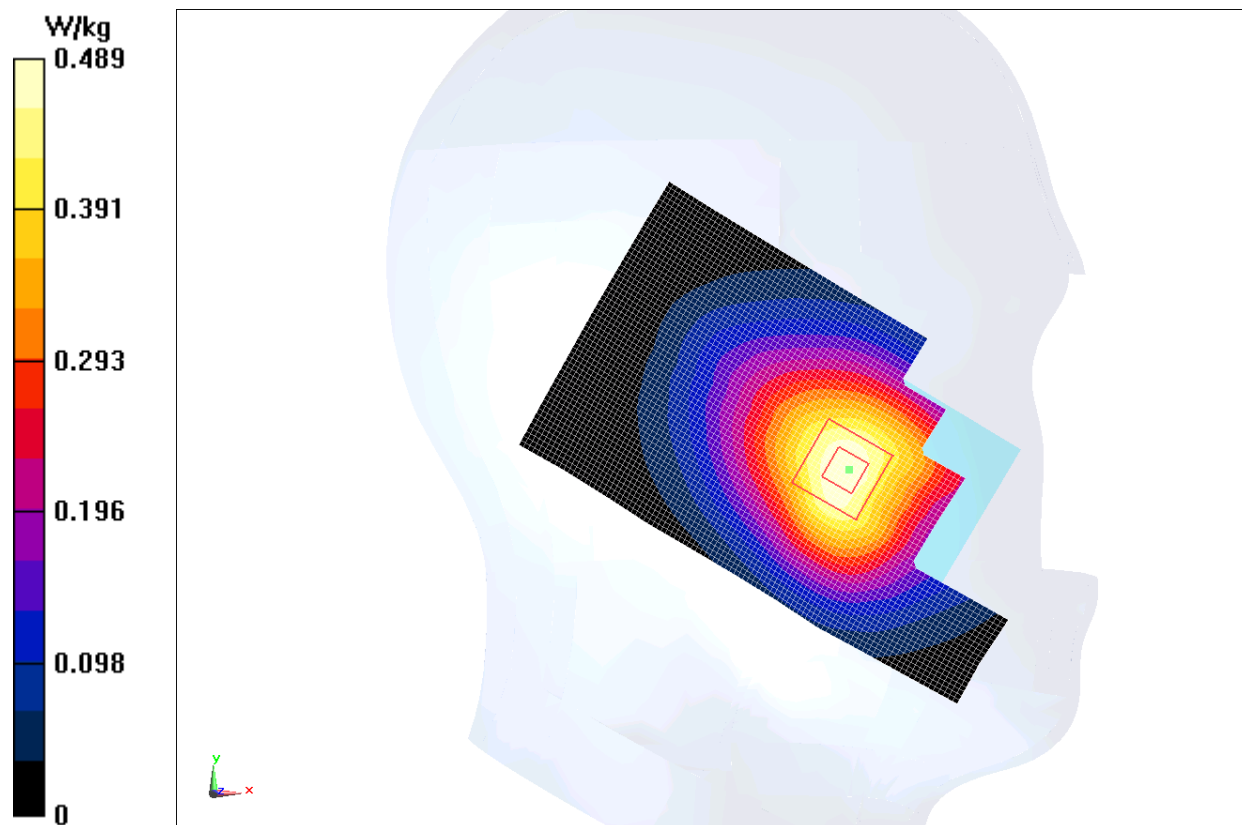


Fig. 49 WCDMA 850 CH4132

WCDMA 850 Left Tilt High

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 40.673$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Reference Value = 11.187 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (interpolated) = 0.312 W/kg

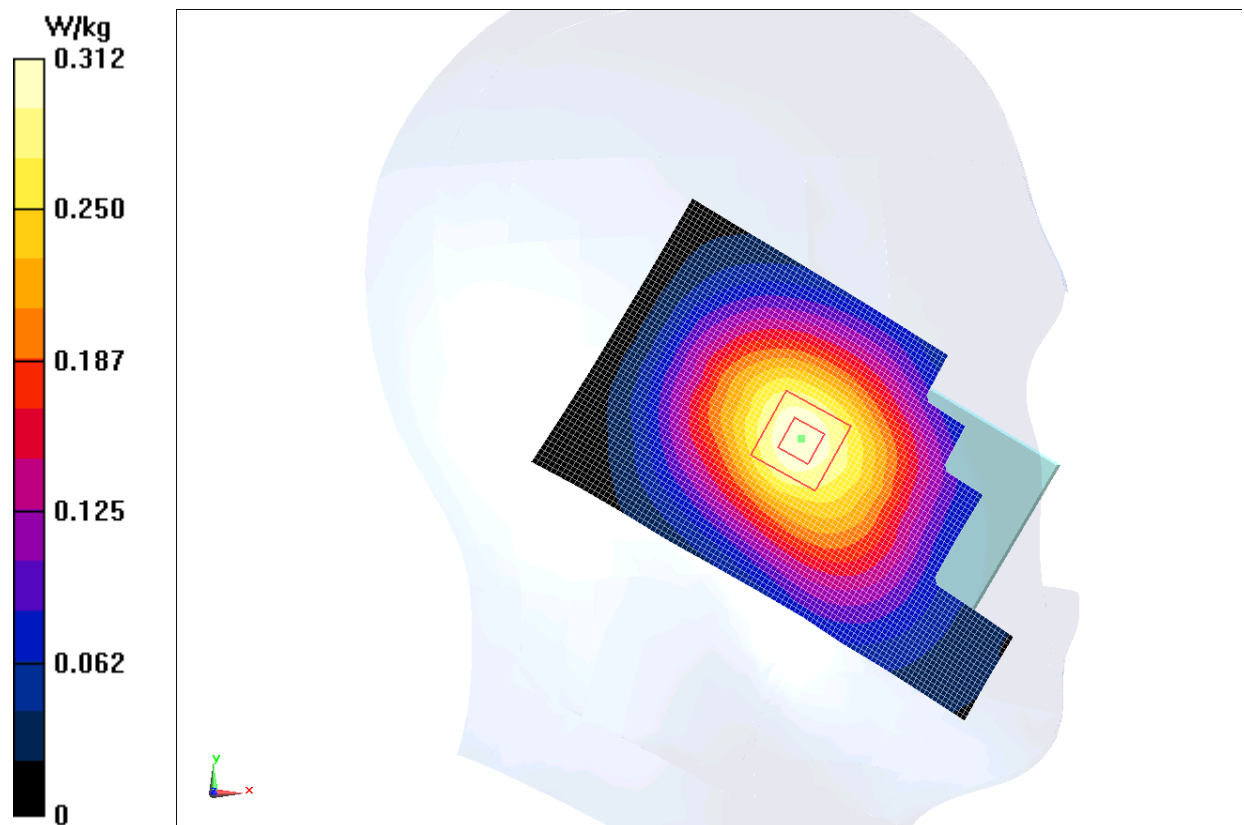


Fig. 50 WCDMA 850 CH4233

WCDMA 850 Left Tilt Middle

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.883$ mho/m; $\epsilon_r = 40.807$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Reference Value = 13.048 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.223 W/kg

Maximum value of SAR (interpolated) = 0.346 W/kg

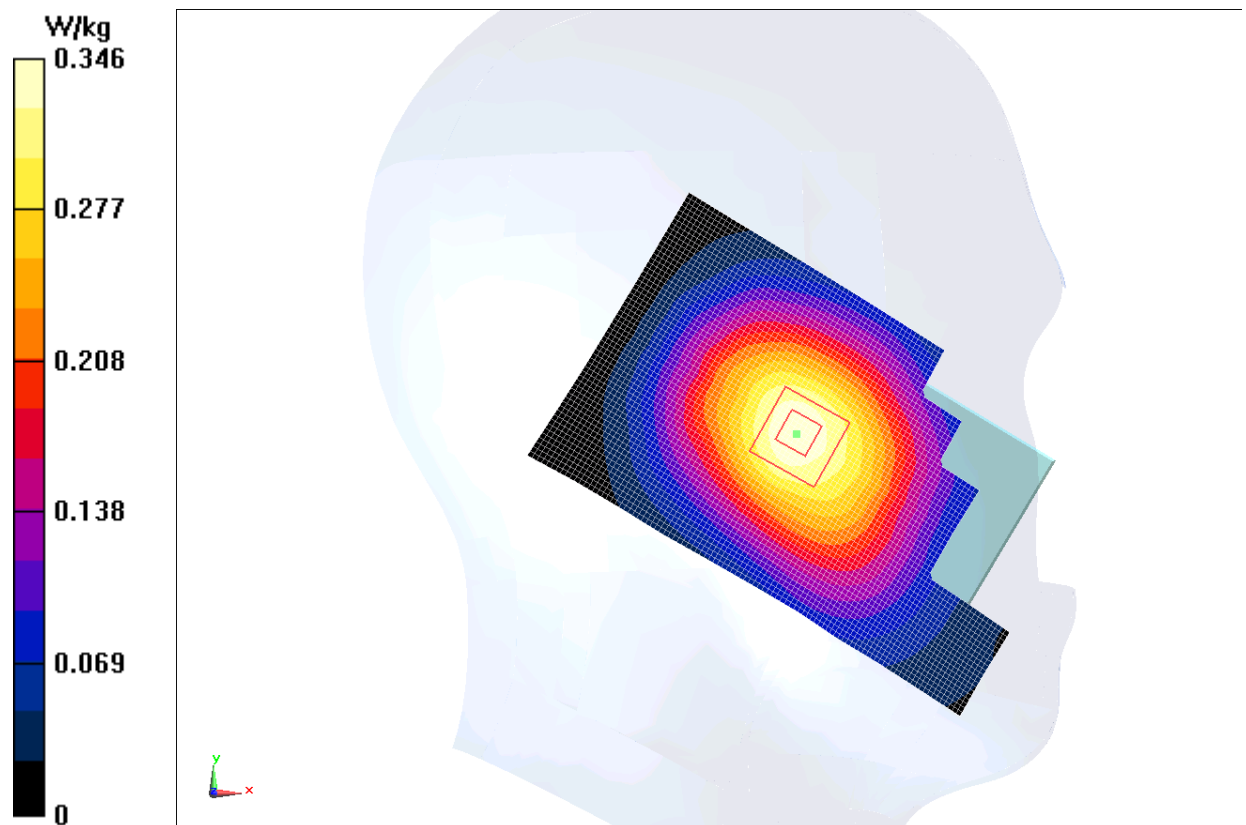


Fig. 51 WCDMA 850 CH4182

WCDMA 850 Left Tilt Low

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.873$ mho/m; $\epsilon_r = 40.929$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Reference Value = 11.492 V/m; Power Drift = 0.00 dB

Fast SAR: SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.173 W/kg

Maximum value of SAR (interpolated) = 0.269 W/kg

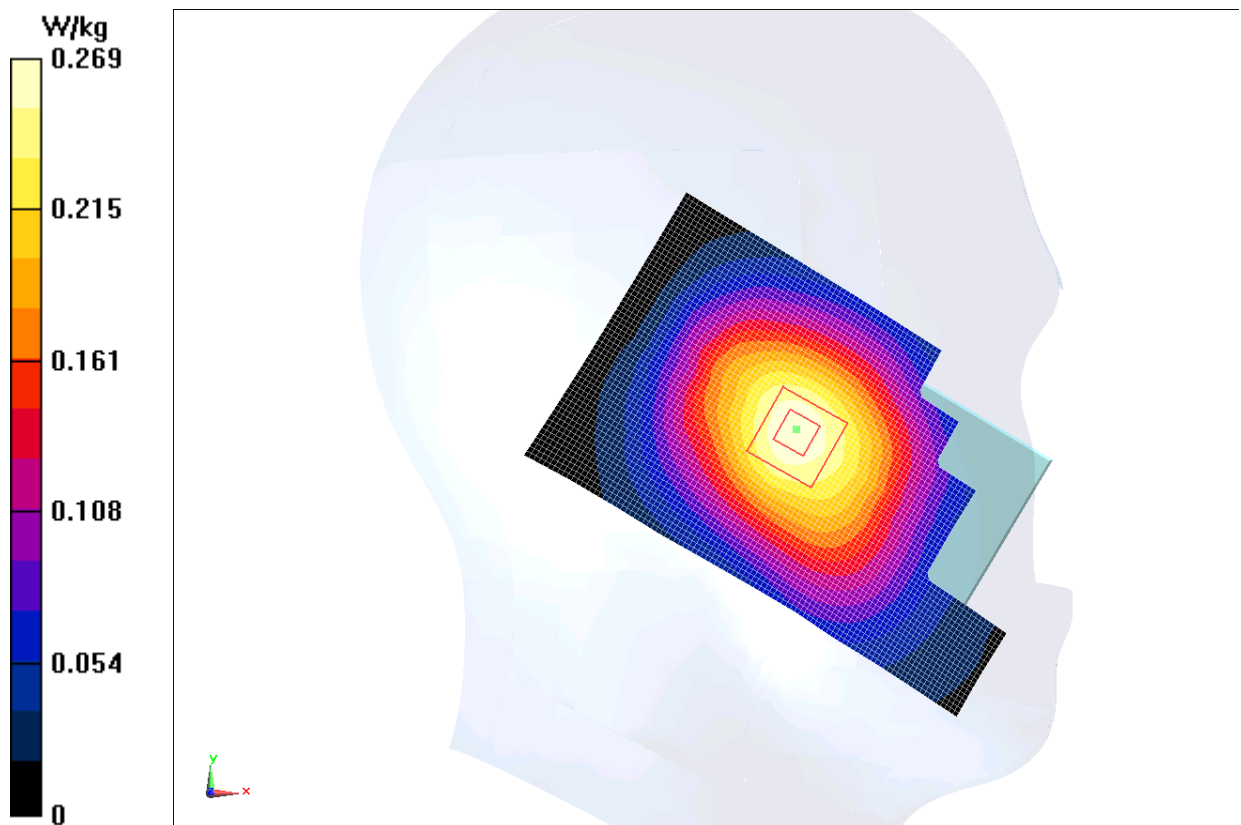


Fig. 52 WCDMA 850 CH4132

WCDMA 850 Right Cheek High

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 40.673$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Reference Value = 6.684 V/m; Power Drift = 0.05 dB

Fast SAR: SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.334 W/kg

Maximum value of SAR (interpolated) = 0.519 W/kg

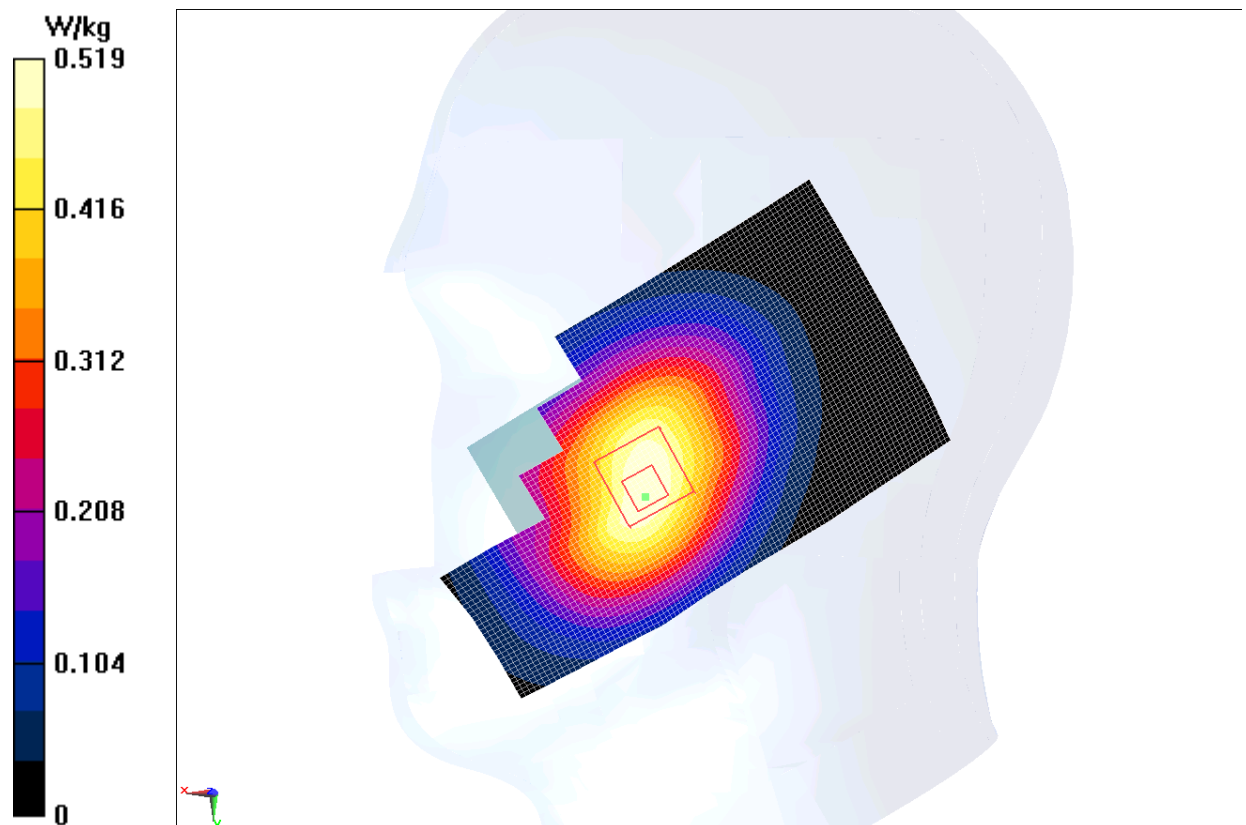


Fig. 53 WCDMA 850 CH4233

WCDMA 850 Right Cheek Middle

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.883$ mho/m; $\epsilon_r = 40.807$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 0.631 W/kg

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

Reference Value = 7.418 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.797 W/kg

SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.444 W/kg

Maximum value of SAR (measured) = 0.621 W/kg

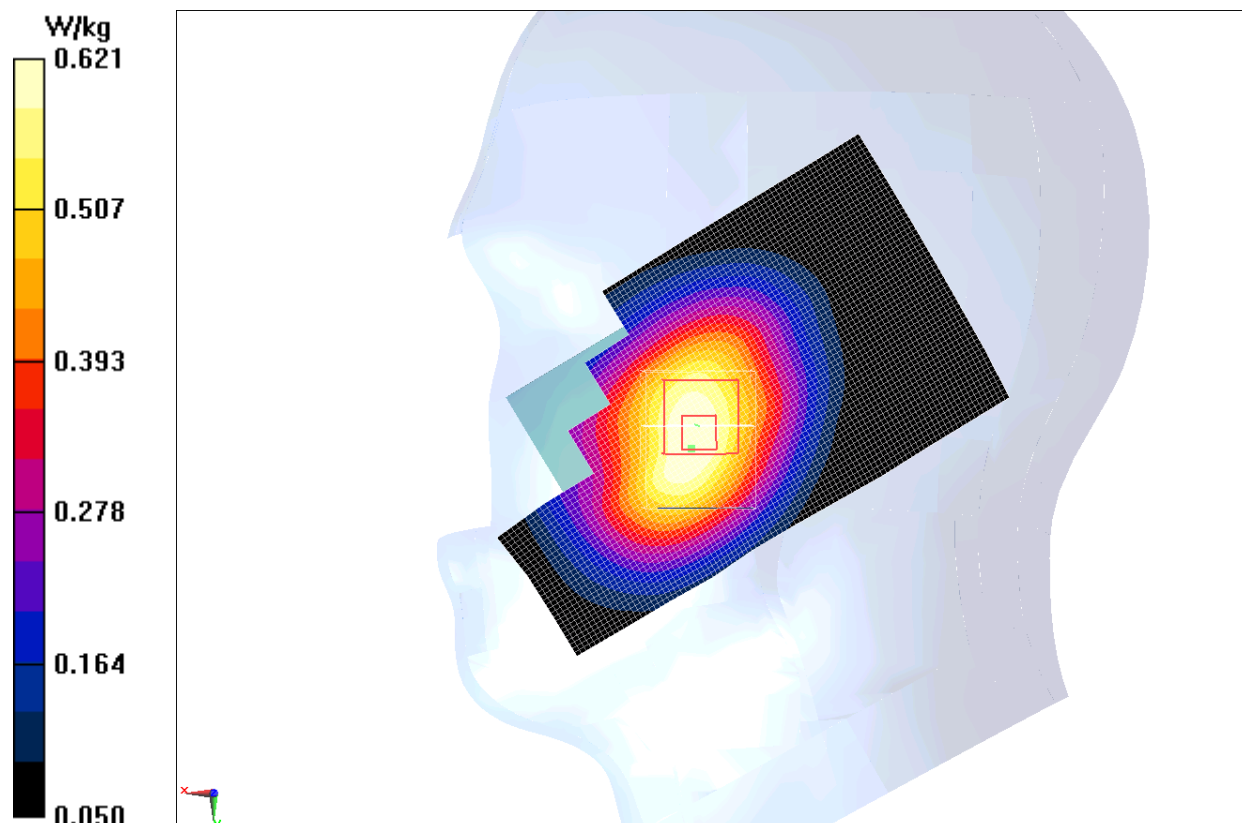


Fig. 54 WCDMA 850 CH4182

WCDMA 850 Right Cheek Low

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.873$ mho/m; $\epsilon_r = 40.929$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Reference Value = 6.319 V/m; Power Drift = 0.09 dB

Fast SAR: SAR(1 g) = 0.438 W/kg; SAR(10 g) = 0.300 W/kg

Maximum value of SAR (interpolated) = 0.470 W/kg

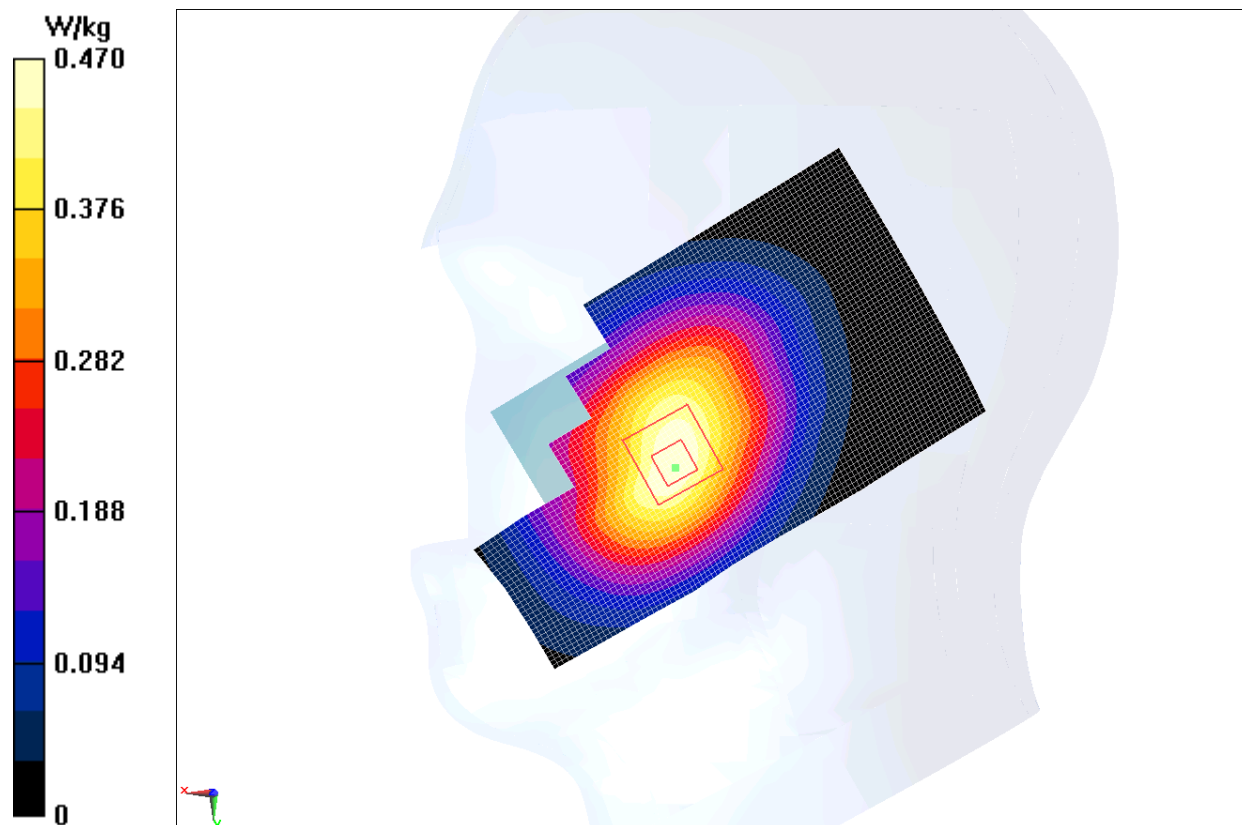


Fig. 55 WCDMA 850 CH4132

WCDMA 850 Right Tilt High

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 40.673$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Reference Value = 11.187 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (interpolated) = 0.299 W/kg

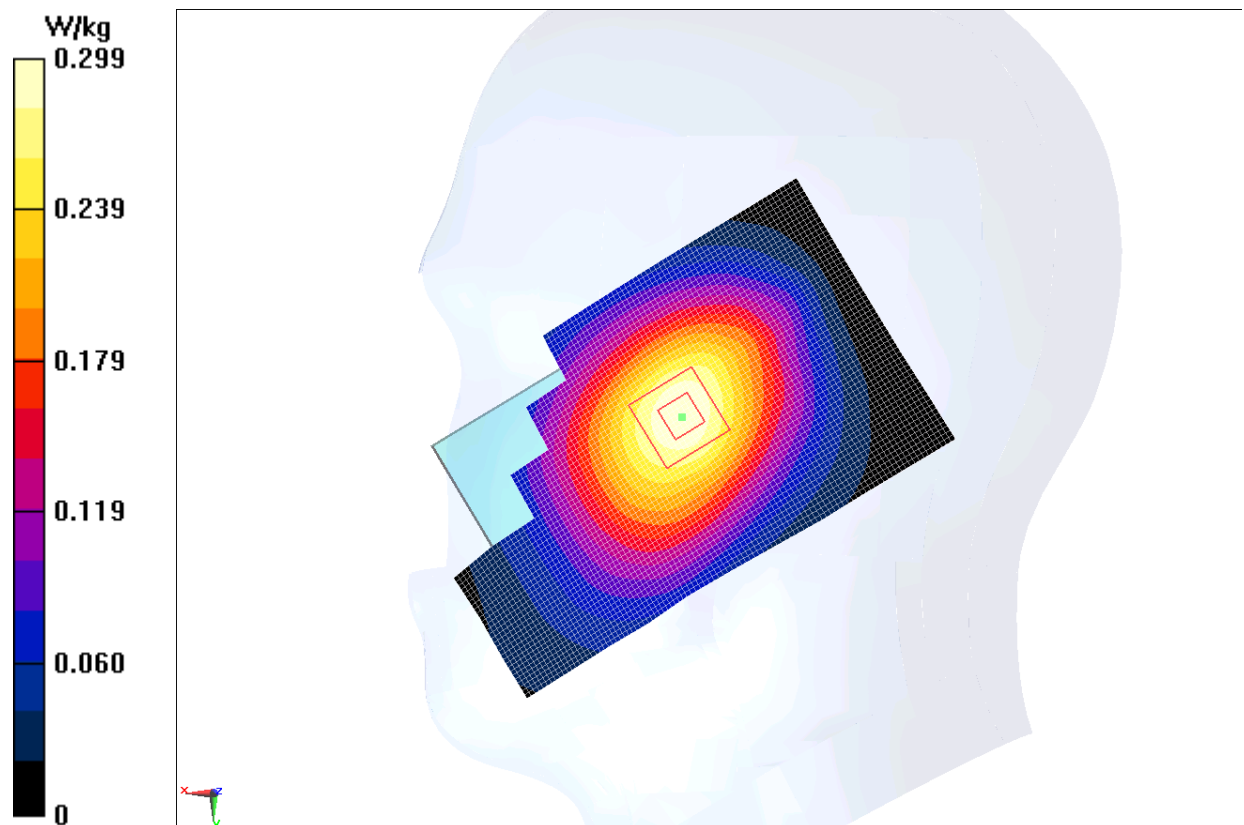


Fig. 56 WCDMA 850 CH4233

WCDMA 850 Right Tilt Middle

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.883$ mho/m; $\epsilon_r = 40.807$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Reference Value = 12.340 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.229 W/kg

Maximum value of SAR (interpolated) = 0.355 W/kg

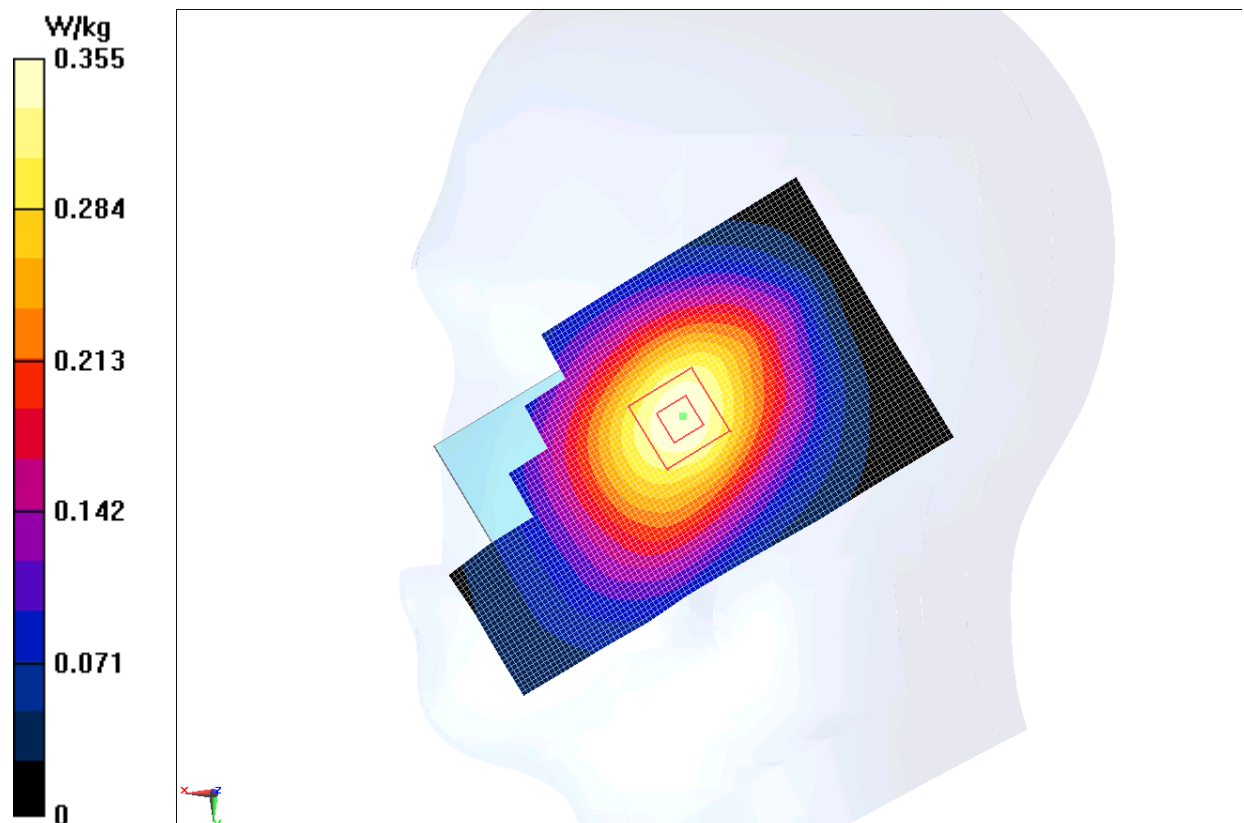


Fig. 57 WCDMA 850 CH4182

WCDMA 850 Right Tilt Low

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.873$ mho/m; $\epsilon_r = 40.929$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°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=10 mm, dy=10 mm

Reference Value = 11.052 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.183 W/kg

Maximum value of SAR (interpolated) = 0.282 W/kg

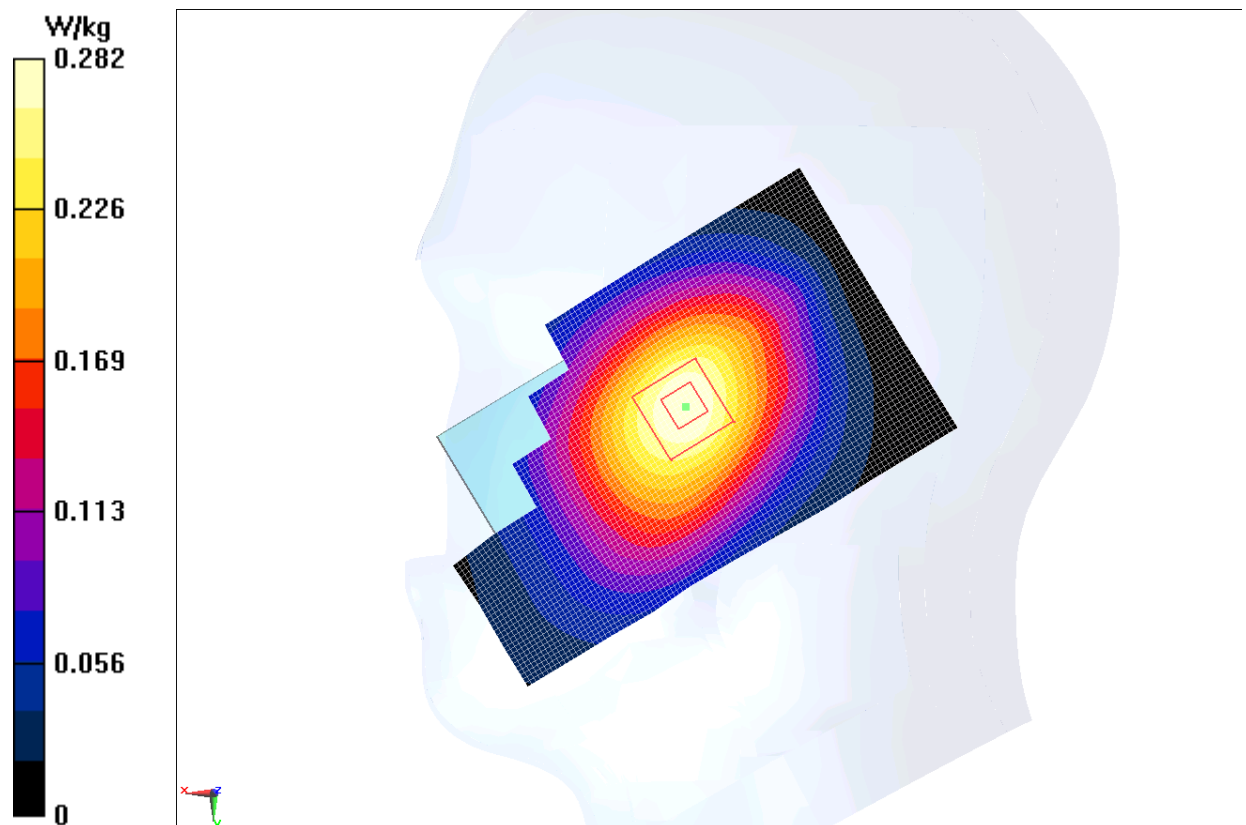


Fig. 58 WCDMA 850 CH4132

WCDMA 850 Body Towards Phantom Middle

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 55.57$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°C

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

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

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

Maximum value of SAR (interpolated) = 0.765 W/kg

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

Reference Value = 27.375 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.932 W/kg

SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.534 W/kg

Maximum value of SAR (measured) = 0.762 W/kg

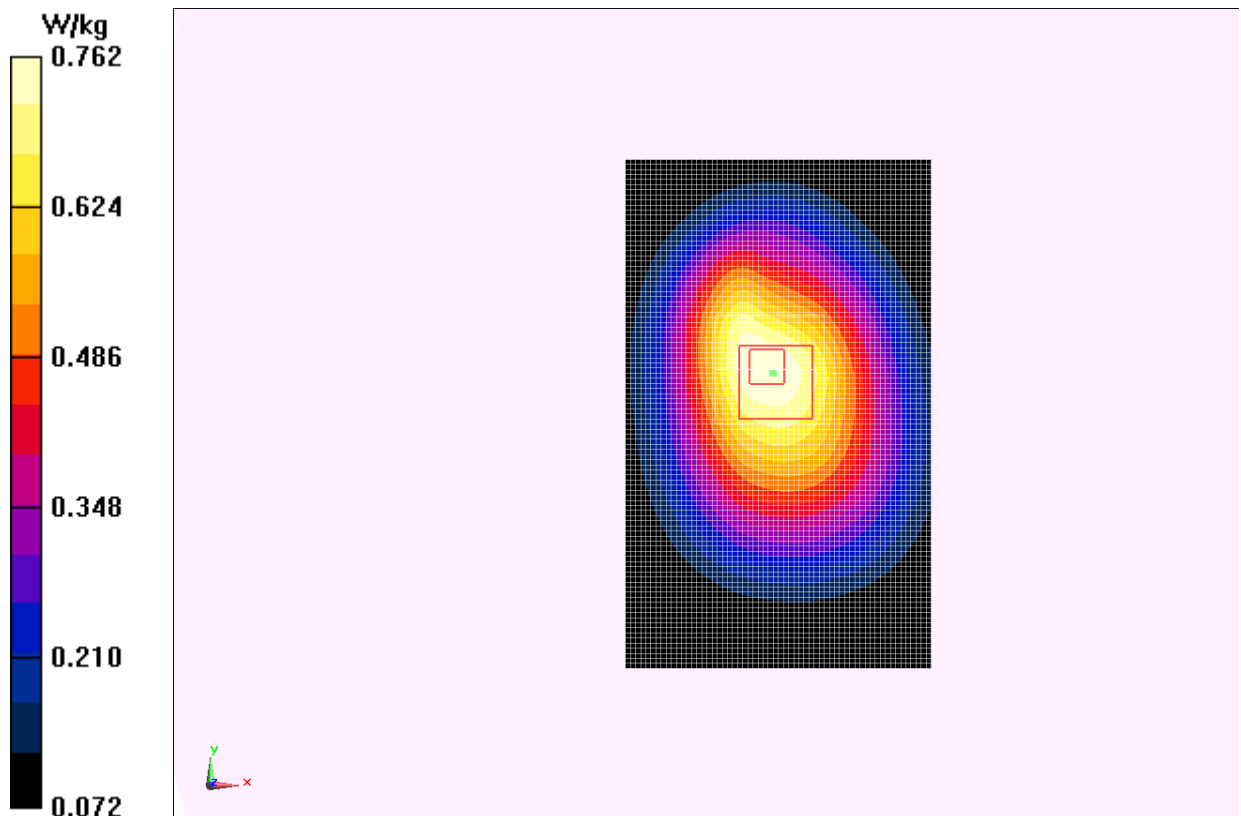


Fig. 59 WCDMA 850 CH4182

WCDMA 850 Body Towards Ground High

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 1.001$ mho/m; $\epsilon_r = 55.484$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°C

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

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

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

Maximum value of SAR (interpolated) = 1.04 W/kg

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

Reference Value = 31.575 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.992 W/kg; SAR(10 g) = 0.729 W/kg

Maximum value of SAR (measured) = 1.05 W/kg

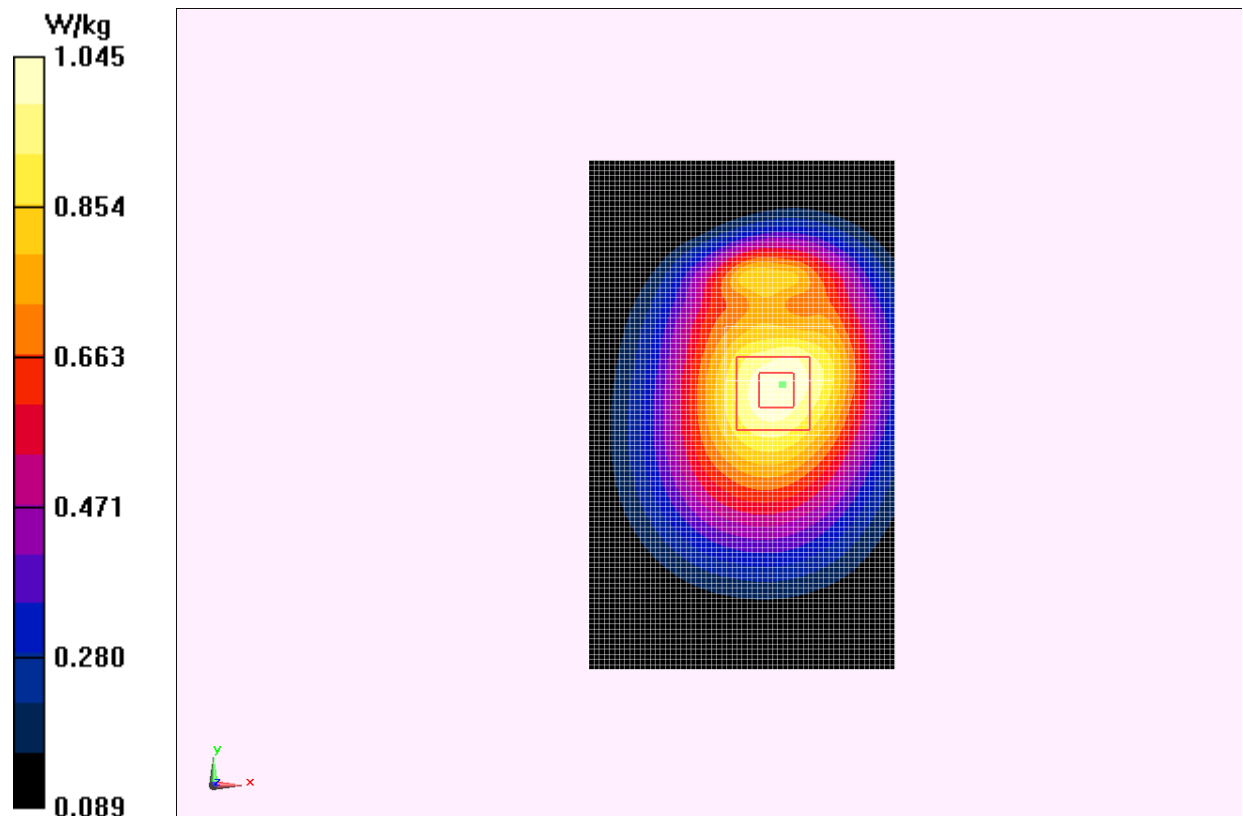


Fig. 60 WCDMA 850 CH4233

WCDMA 850 Body Towards Ground Middle

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 55.57$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°C

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

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

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

Maximum value of SAR (interpolated) = 1.10 W/kg

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

Reference Value = 32.127 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.764 W/kg

Maximum value of SAR (measured) = 1.11 W/kg

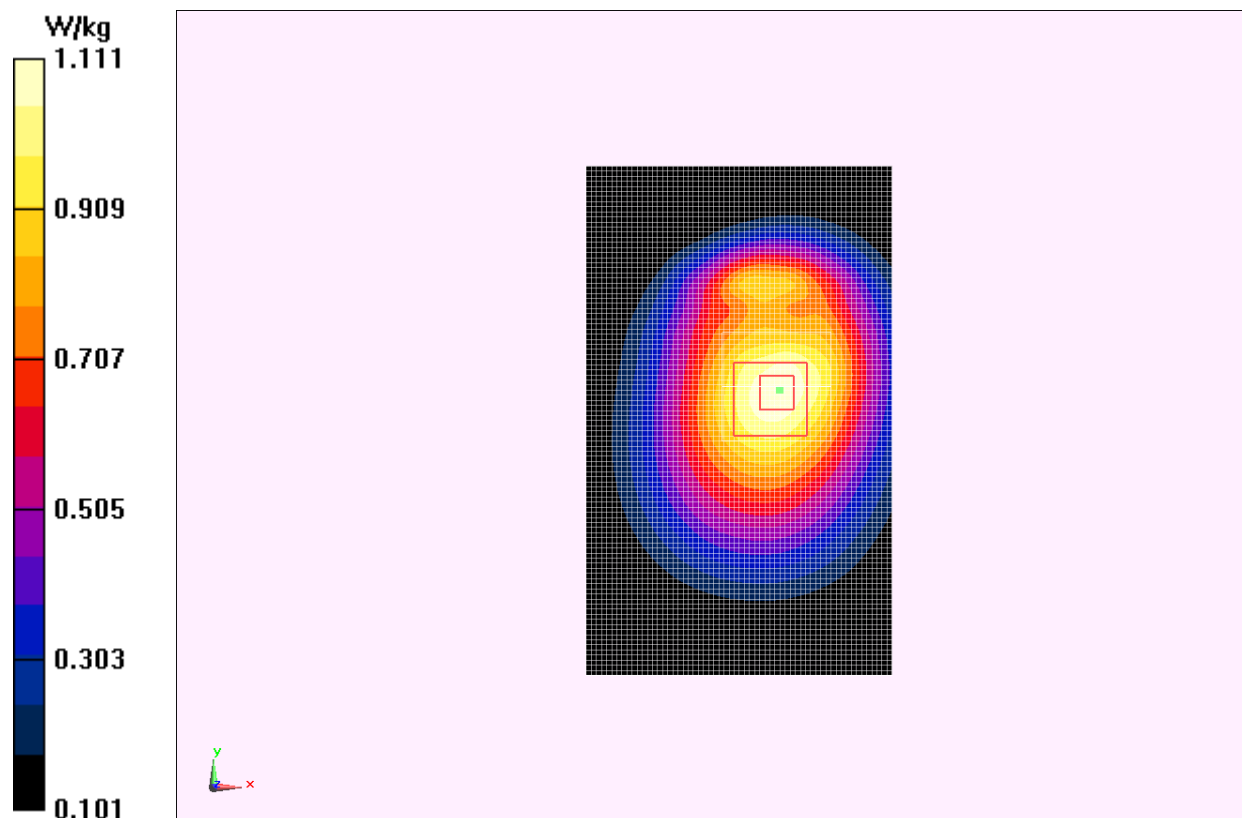


Fig. 61 WCDMA 850 CH4182

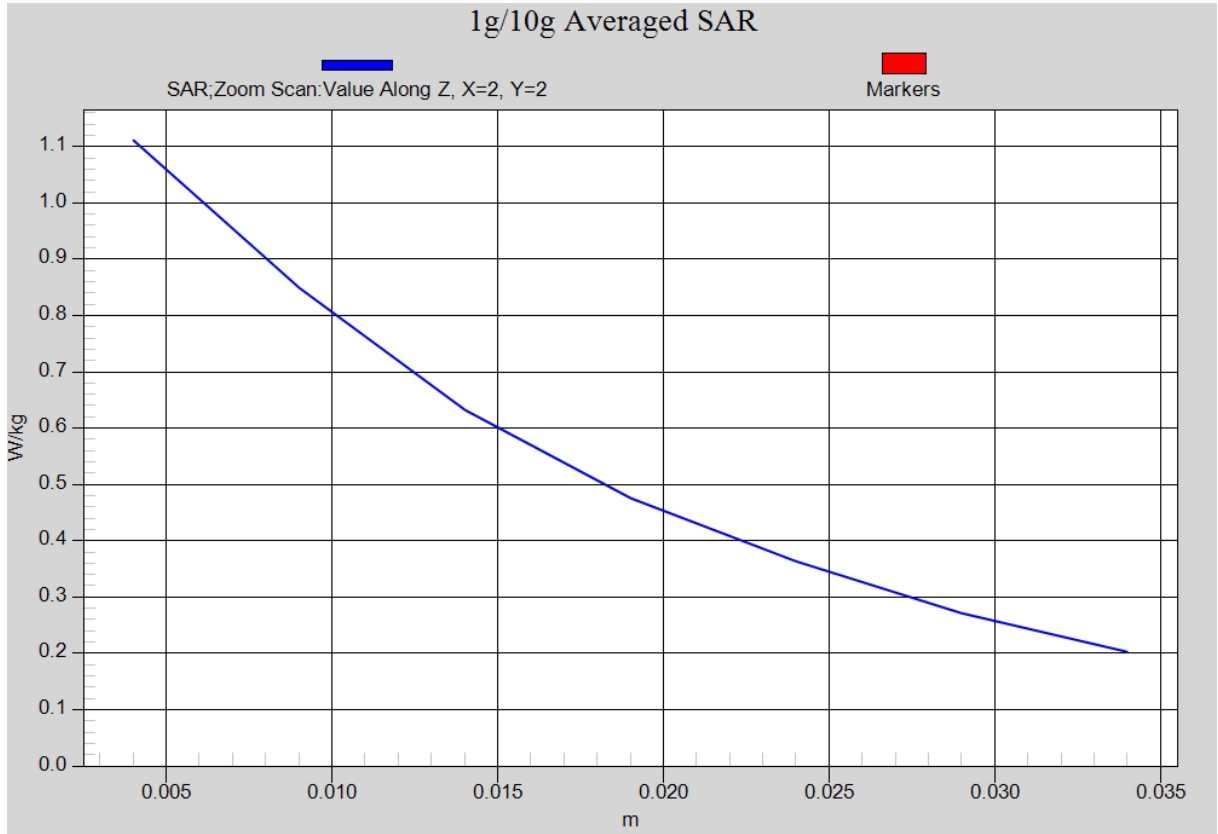


Fig. 61-1 Z-Scan at power reference point (WCDMA850 CH4182)

WCDMA 850 Body Towards Ground Low

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 55.673$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°C

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

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

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

Maximum value of SAR (interpolated) = 0.989 W/kg

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

Reference Value = 30.378 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.948 W/kg; SAR(10 g) = 0.690 W/kg

Maximum value of SAR (measured) = 1.00 W/kg

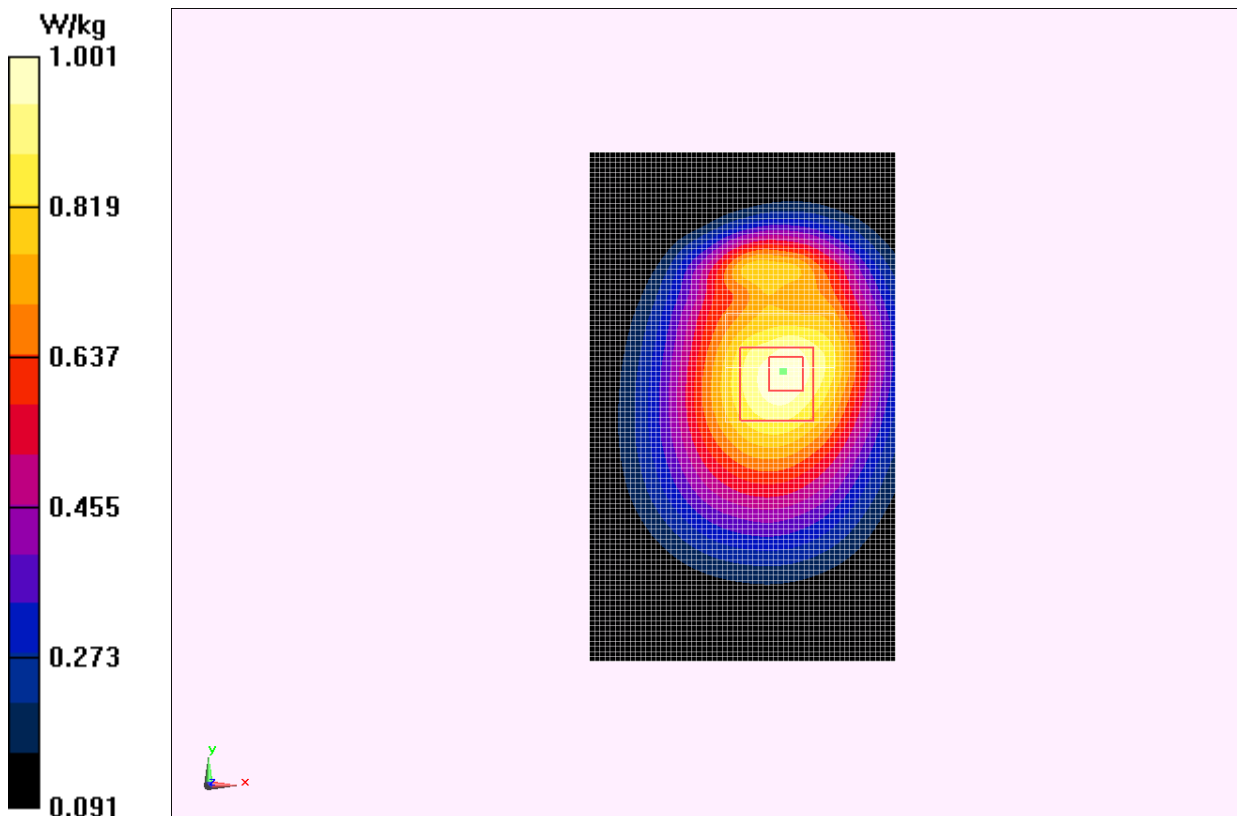


Fig. 62 WCDMA 850 CH4132

WCDMA 850 Body Left Side Middle

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 55.57$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°C

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

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

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

Maximum value of SAR (interpolated) = 0.697 W/kg

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

Reference Value = 22.864 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.900 W/kg

SAR(1 g) = 0.663 W/kg; SAR(10 g) = 0.468 W/kg

Maximum value of SAR (measured) = 0.705 W/kg

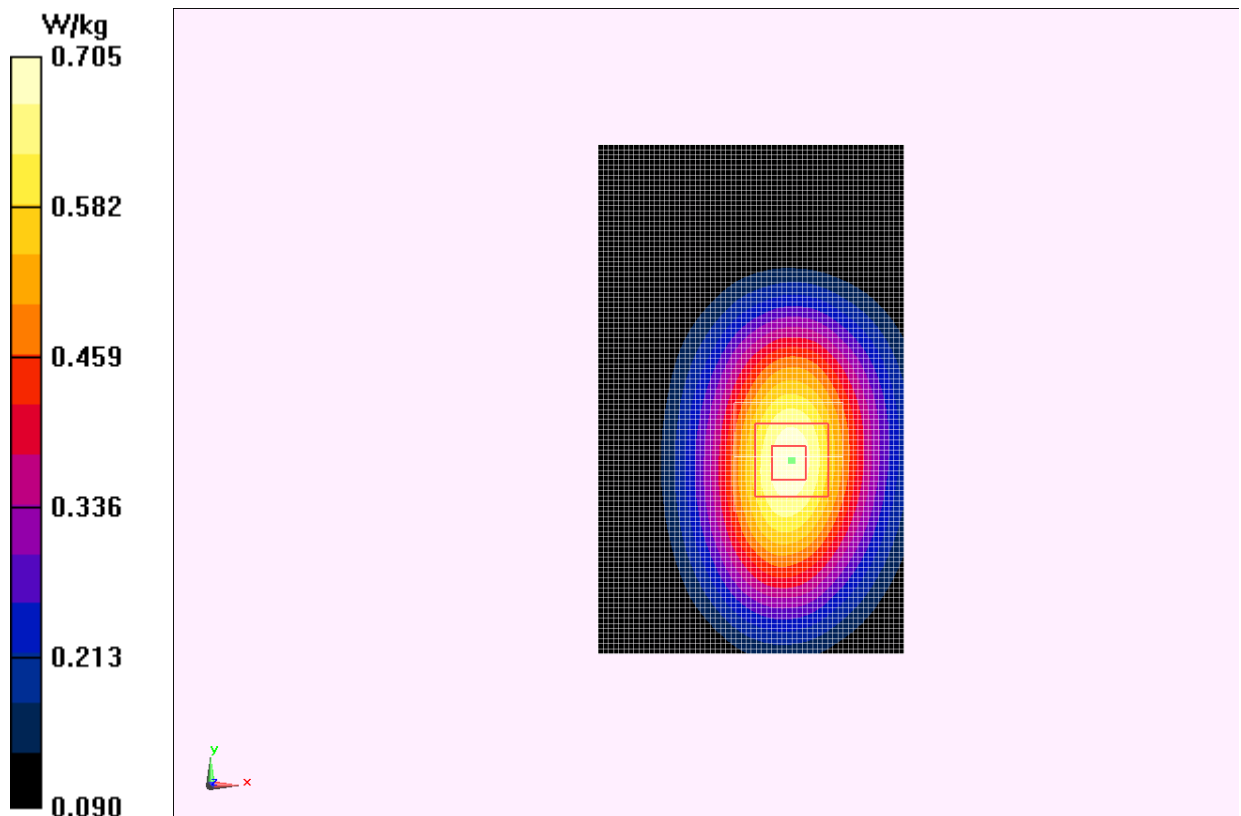


Fig. 63 WCDMA 850 CH4182

WCDMA 850 Body Right Side Middle

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 55.57$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°C

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

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

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

Maximum value of SAR (interpolated) = 0.613 W/kg

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

Reference Value = 19.854 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.773 W/kg

SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.402 W/kg

Maximum value of SAR (measured) = 0.608 W/kg

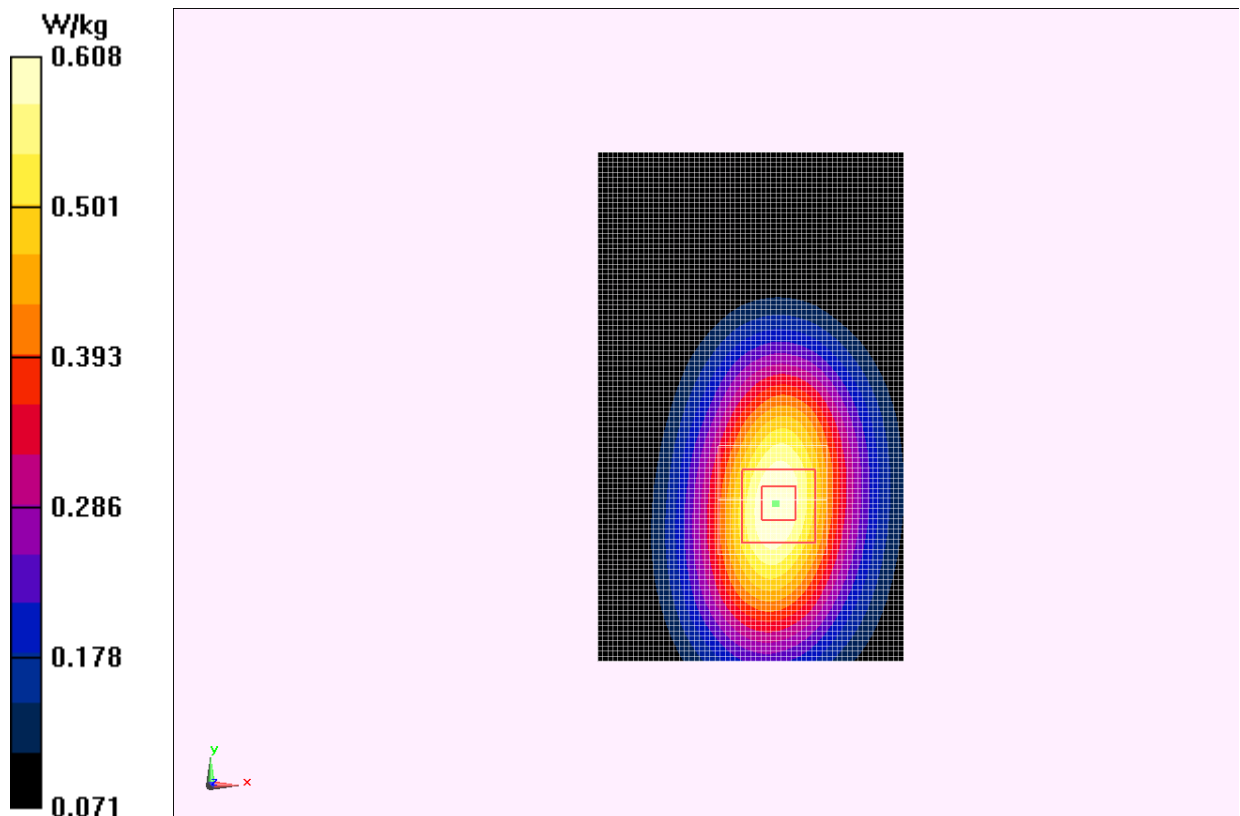


Fig. 64 WCDMA 850 CH4182

WCDMA 850 Body Bottom Side Middle

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 55.57$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°C

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

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

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

Maximum value of SAR (interpolated) = 0.109 W/kg

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

Reference Value = 8.134 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.059 W/kg

Maximum value of SAR (measured) = 0.110 W/kg

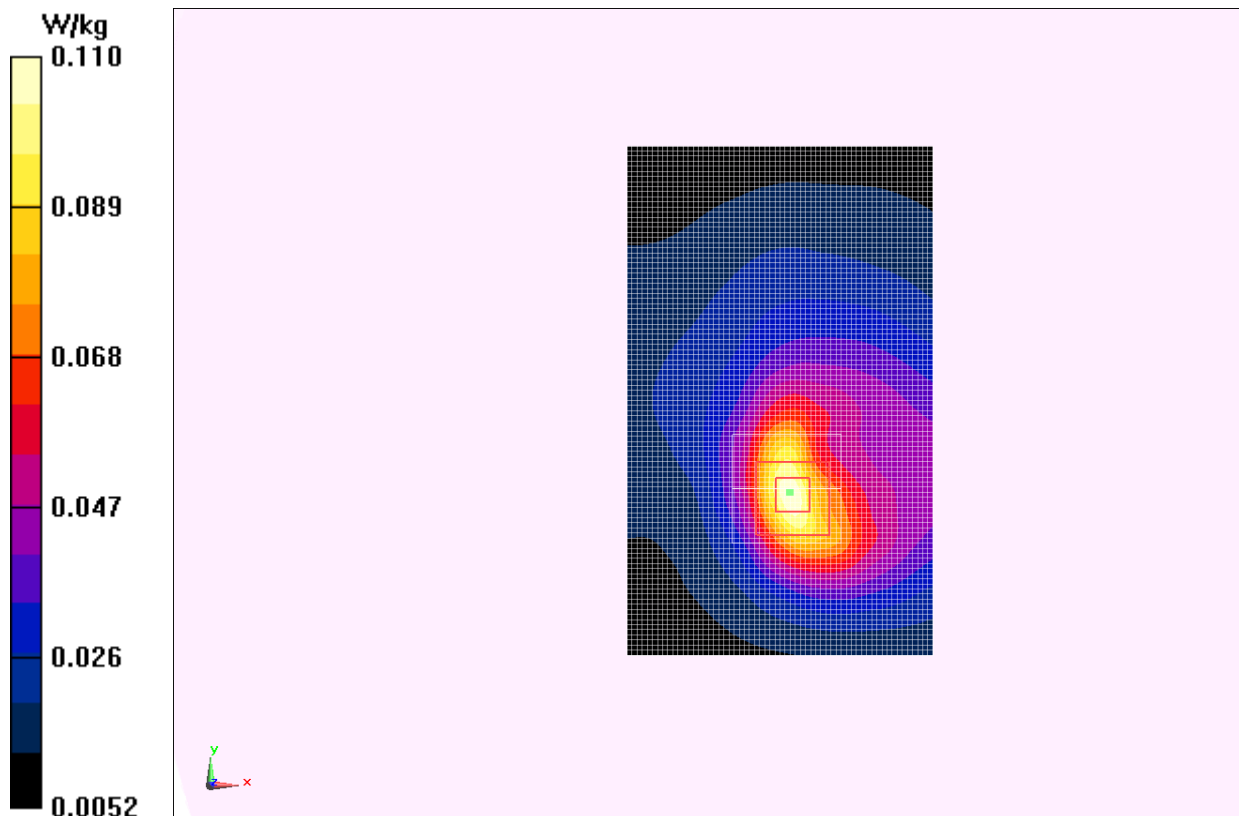


Fig. 65 WCDMA 850 CH4182

WCDMA 850 Body Towards Ground Middle with Headset CCB3160A11C6

Date: 2013-5-2

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.992$ mho/m; $\epsilon_r = 56.121$; $\rho = 1000$ kg/m³

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

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

Probe: EX3DV4 - SN3846 ConvF(9.04, 9.04, 9.04)

Toward Ground Middle/Area Scan (61x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.723 W/kg

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

Reference Value = 20.442 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.921 W/kg

SAR(1 g) = 0.693 W/kg; SAR(10 g) = 0.502 W/kg

Maximum value of SAR (measured) = 0.737 W/kg

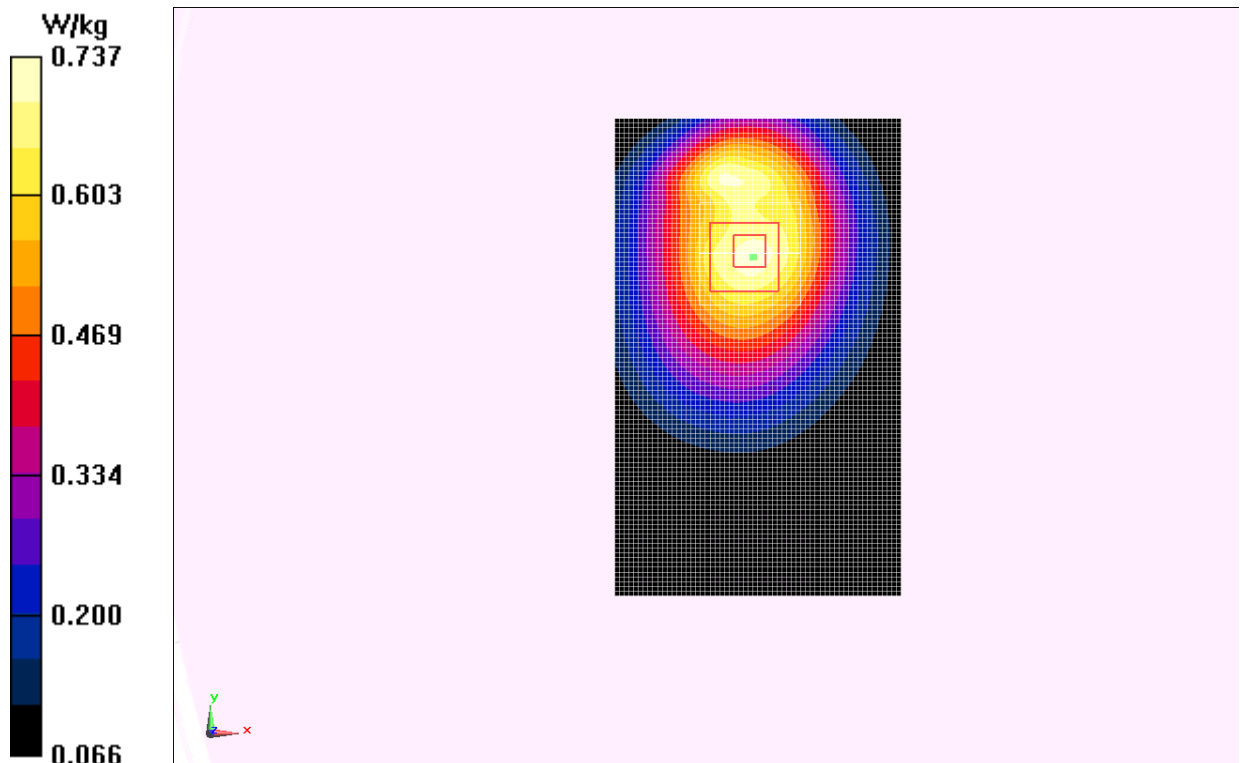


Fig.66 WCDMA 850 CH4182

WCDMA 850 Body Towards Ground Middle with Headset CCB3160A11C4

Date: 2013-1-19

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 55.57$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.4°C Liquid Temperature: 21.9°C

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

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

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

Maximum value of SAR (interpolated) = 0.853 W/kg

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

Reference Value = 23.054 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.707 W/kg; SAR(10 g) = 0.460 W/kg

Maximum value of SAR (measured) = 0.775 W/kg

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

Reference Value = 23.054 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.526 W/kg

Maximum value of SAR (measured) = 0.772 W/kg

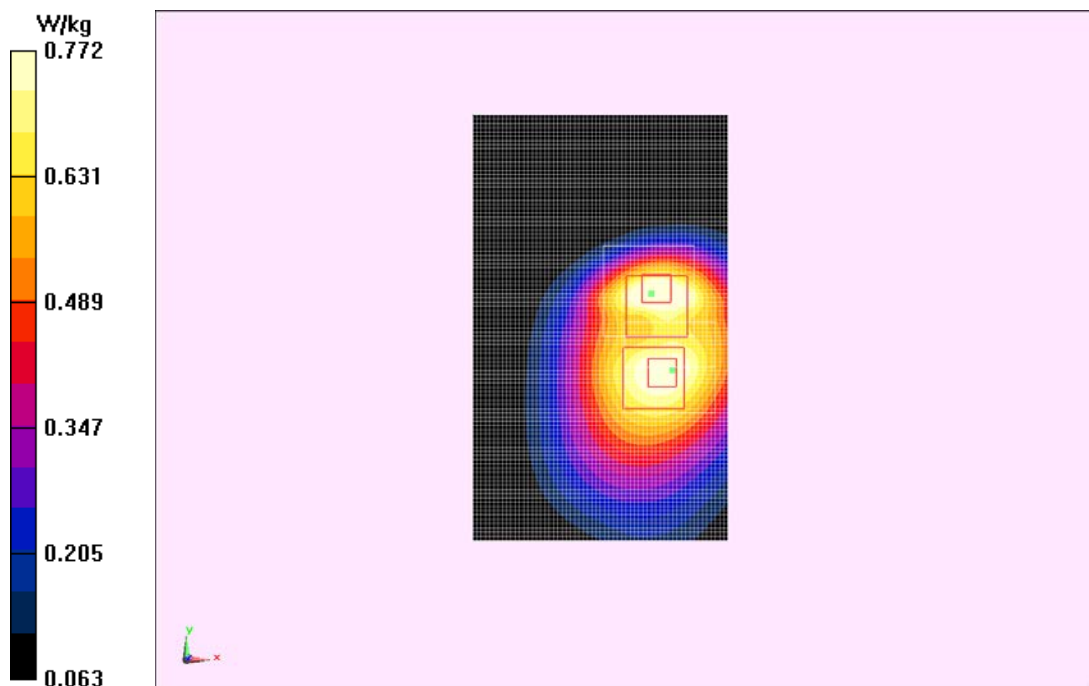


Fig. 67 WCDMA 850 CH4182

WCDMA 1900 Left Cheek High

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.417$ mho/m; $\epsilon_r = 39.346$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1

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

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

Reference Value = 10.062 V/m; Power Drift = -0.15 dB

Fast SAR: SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.354 mW/g

Maximum value of SAR (interpolated) = 0.669 mW/g

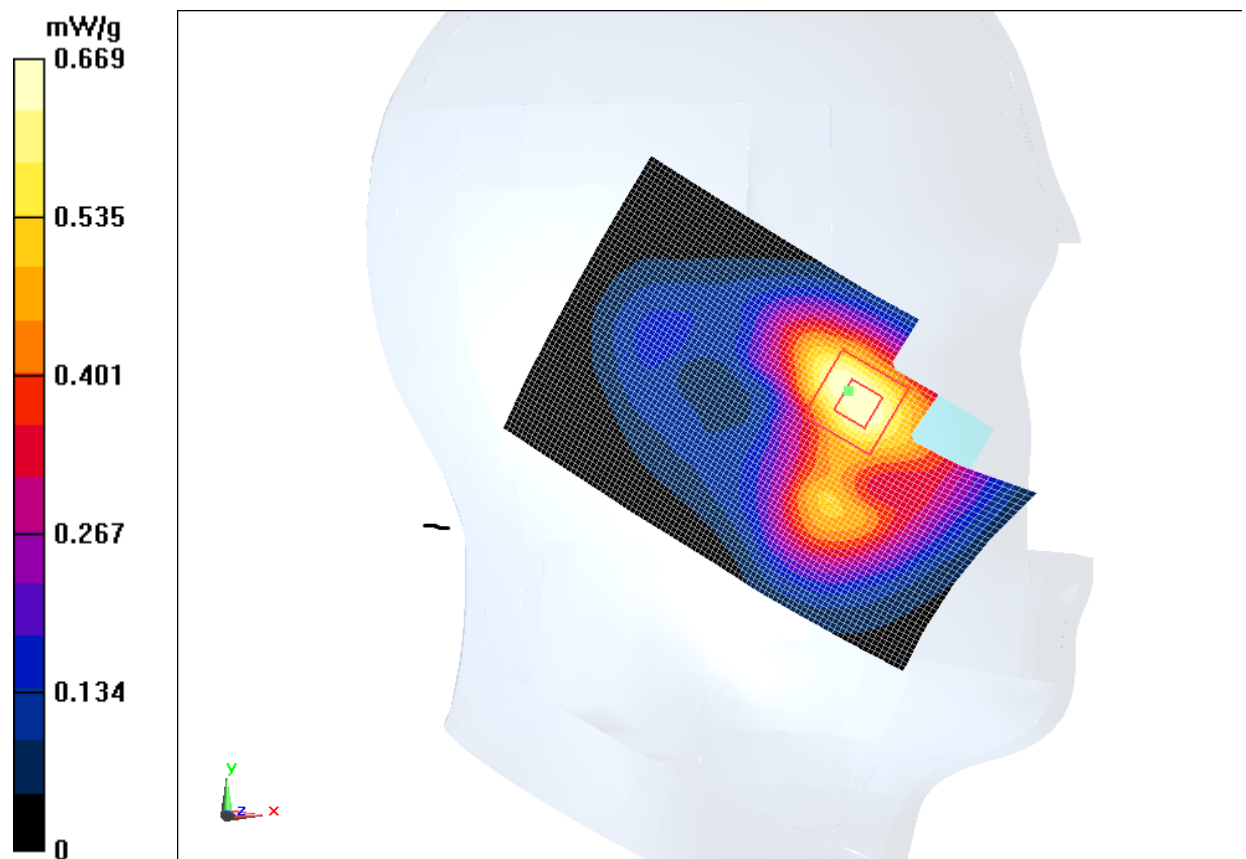


Fig. 68 WCDMA1900 CH9538

WCDMA 1900 Left Cheek Middle

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head GSM1900

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.391$ mho/m; $\epsilon_r = 39.448$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

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

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

Reference Value = 9.672 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.280 mW/g

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

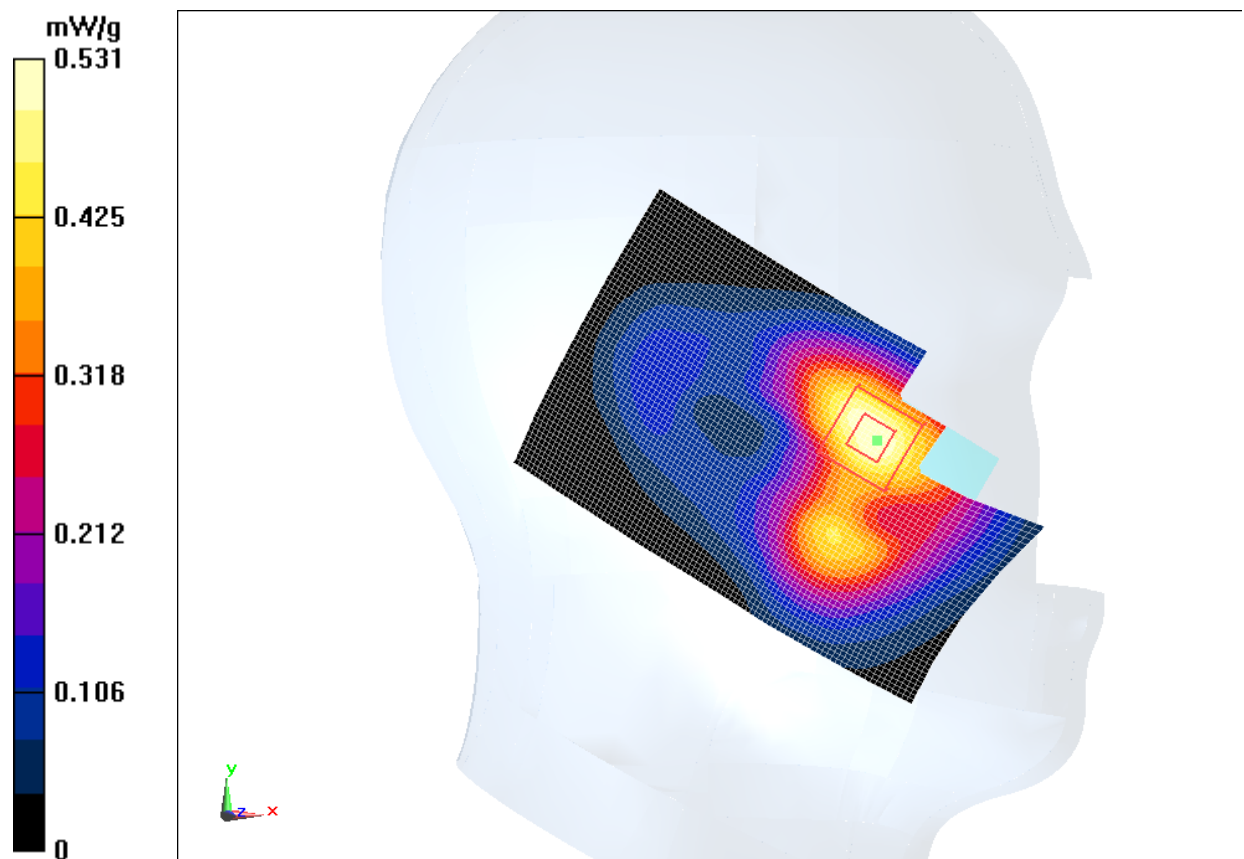


Fig. 69 WCDMA1900 CH9400

WCDMA 1900 Left Cheek Low

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 39.547$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1852.4 MHz Duty Cycle: 1:1

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

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

Reference Value = 10.512 V/m; Power Drift = 0.05 dB

Fast SAR: SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.328 mW/g

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

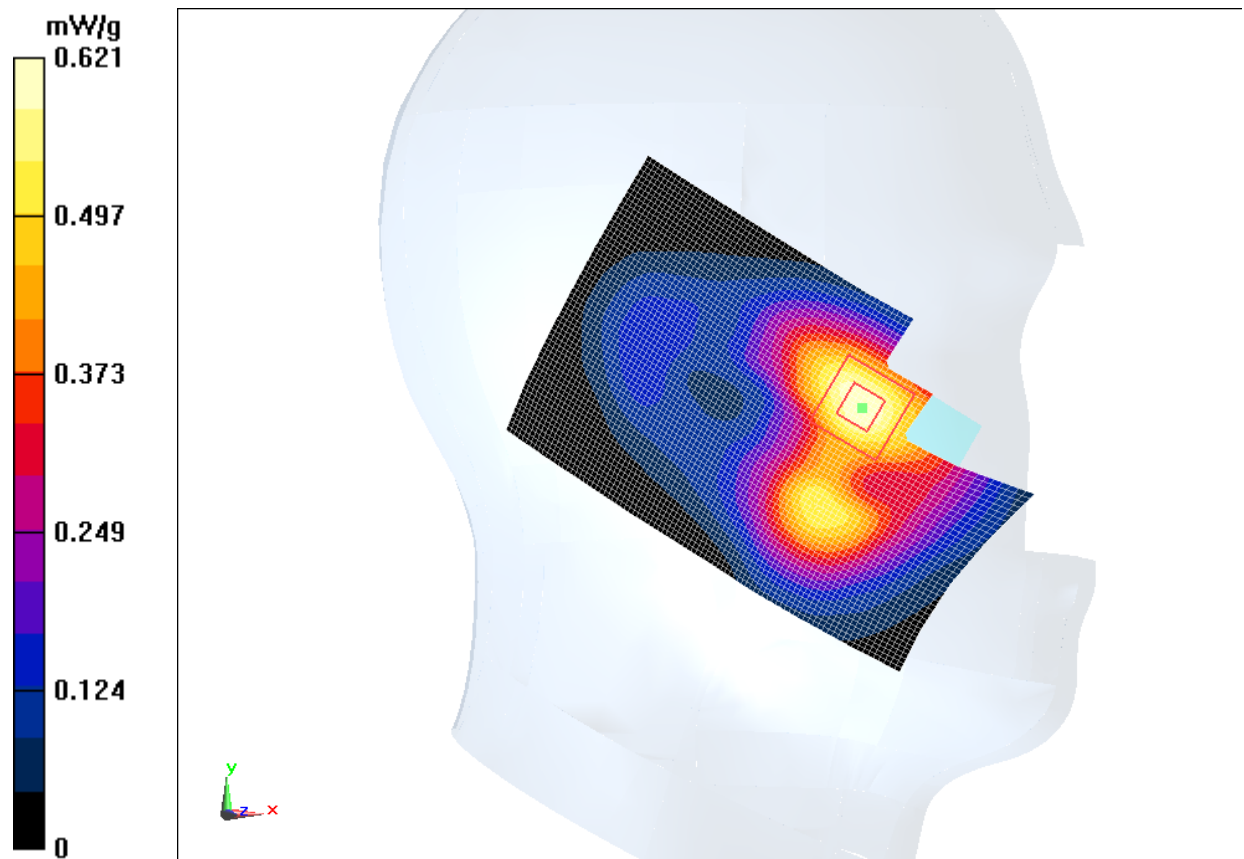


Fig. 70 WCDMA1900 CH9262

WCDMA 1900 Left Tilt High

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.417$ mho/m; $\epsilon_r = 39.346$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1

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

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

Reference Value = 14.654 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.157 mW/g

Maximum value of SAR (interpolated) = 0.315 mW/g

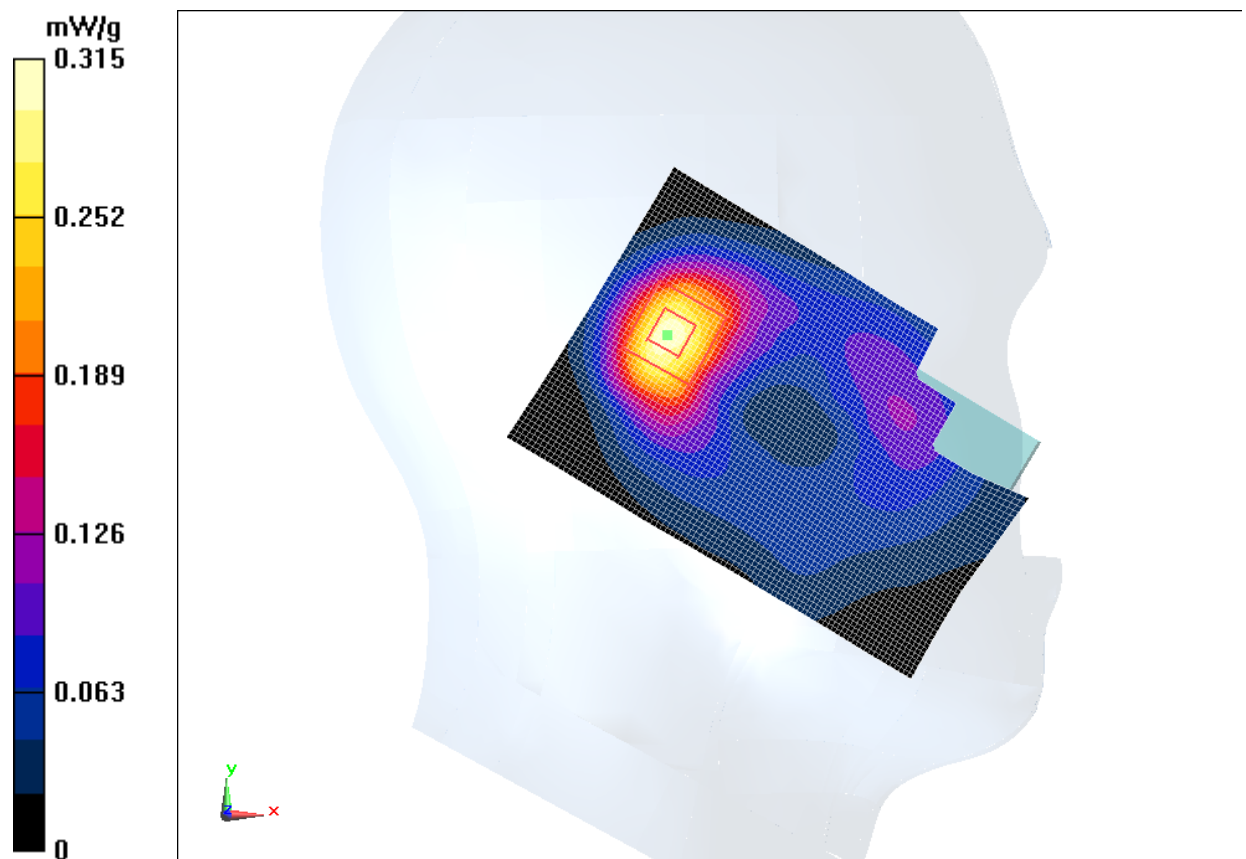


Fig. 71 WCDMA1900 CH9538

WCDMA 1900 Left Tilt Middle

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head GSM1900

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.391$ mho/m; $\epsilon_r = 39.448$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

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

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

Reference Value = 13.990 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (interpolated) = 0.269 mW/g

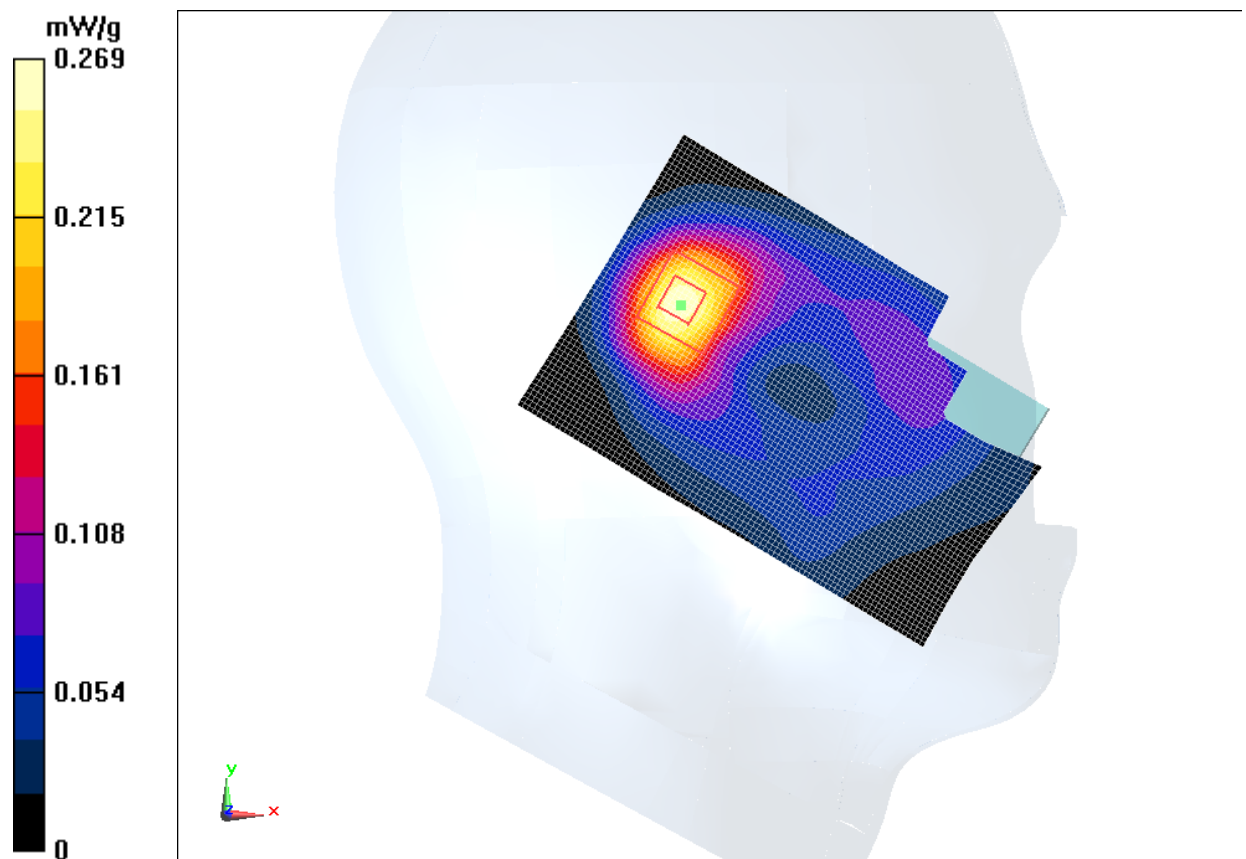


Fig. 72 WCDMA1900 CH9400

WCDMA 1900 Left Tilt Low

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 39.547$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1852.4 MHz Duty Cycle: 1:1

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

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

Reference Value = 15.326 V/m; Power Drift = -0.00 dB

Fast SAR: SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.162 mW/g

Maximum value of SAR (interpolated) = 0.316 mW/g

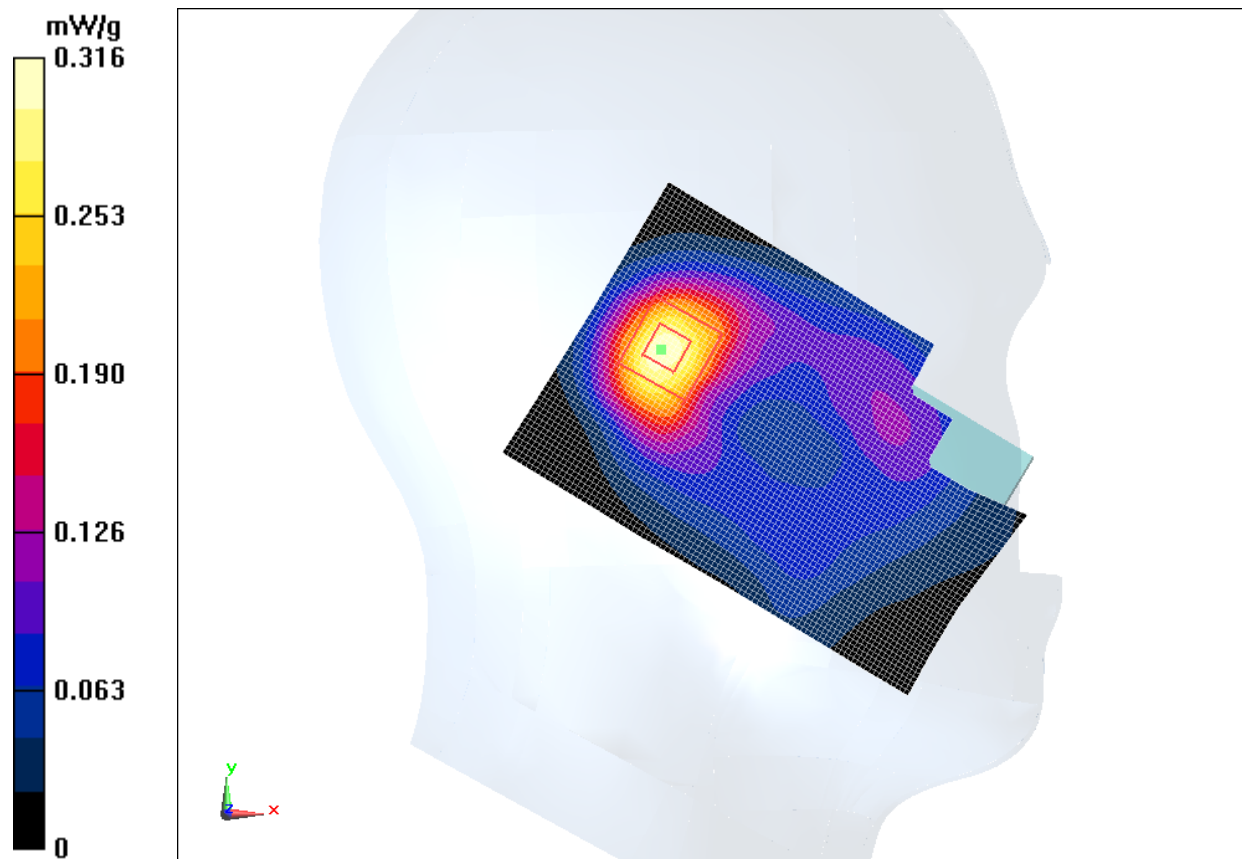


Fig. 73 WCDMA1900 CH9262

WCDMA 1900 Right Cheek High

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.417$ mho/m; $\epsilon_r = 39.346$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1

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

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

Reference Value = 8.815 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.512 mW/g

Maximum value of SAR (interpolated) = 1.06 mW/g

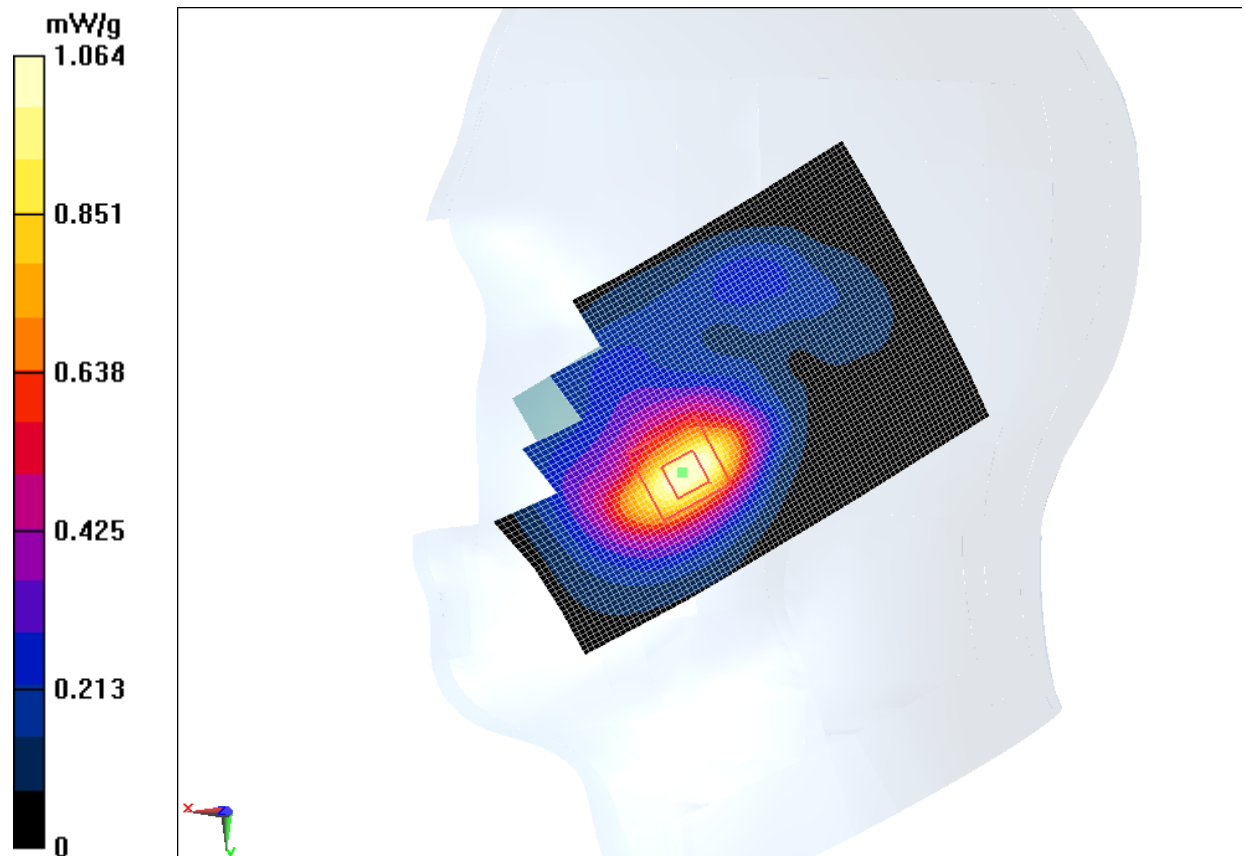


Fig. 74 WCDMA1900 CH9538

WCDMA 1900 Right Cheek Middle

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head GSM1900

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.391$ mho/m; $\epsilon_r = 39.448$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

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

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

Reference Value = 8.129 V/m; Power Drift = -0.06 dB

Fast SAR: SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.472 mW/g

Maximum value of SAR (interpolated) = 0.988 mW/g

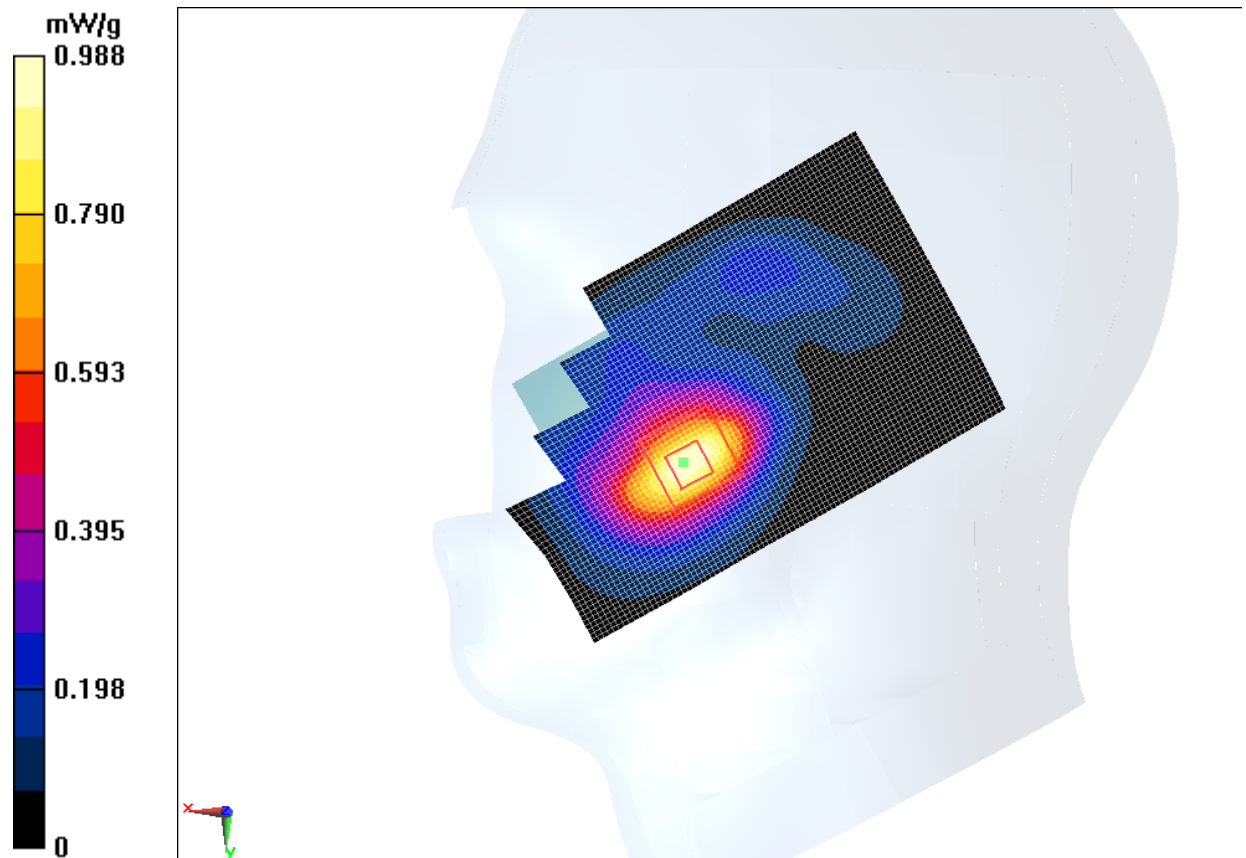


Fig. 75 WCDMA1900 CH9400

WCDMA 1900 Right Cheek Low

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 39.547$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1852.4 MHz Duty Cycle: 1:1

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

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

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

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

Reference Value = 8.233 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.627 mW/g

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.597 mW/g

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

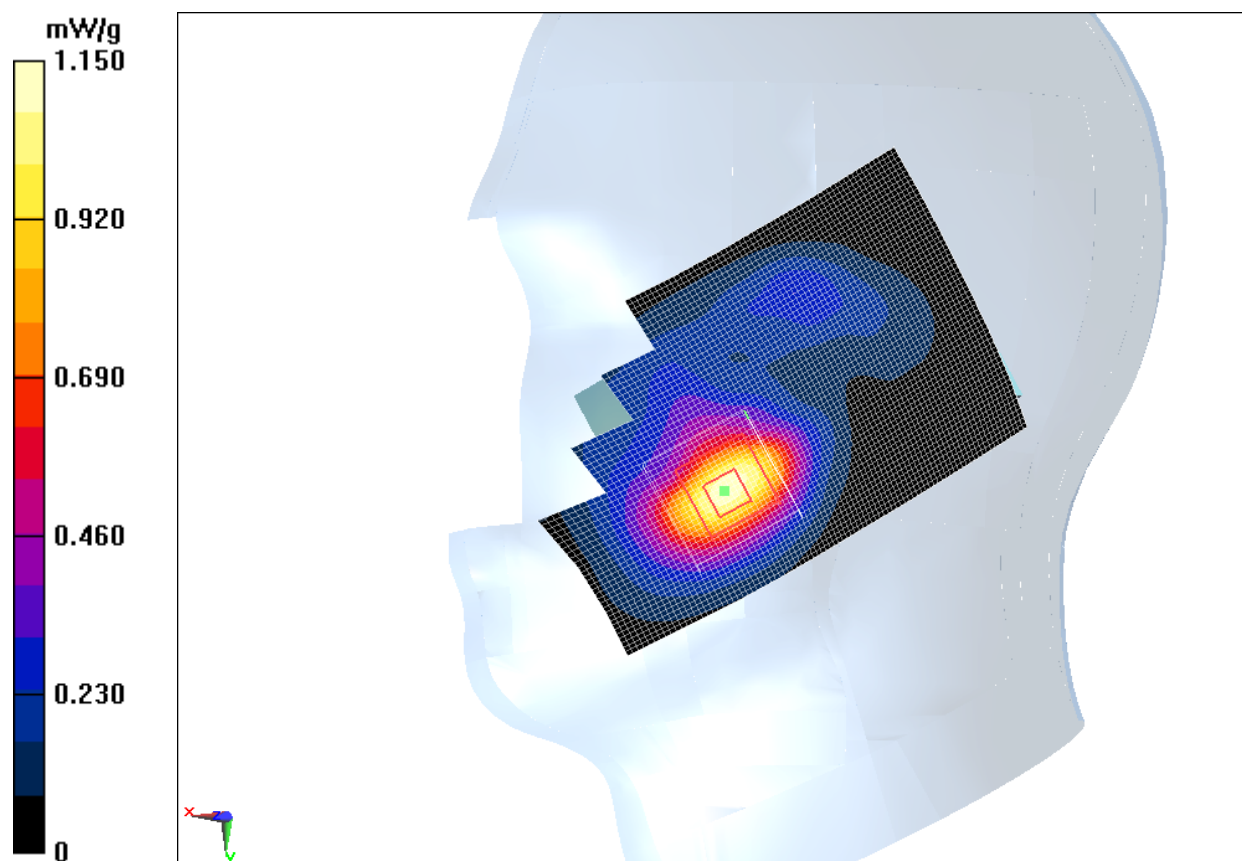


Fig. 76 WCDMA1900 CH9262

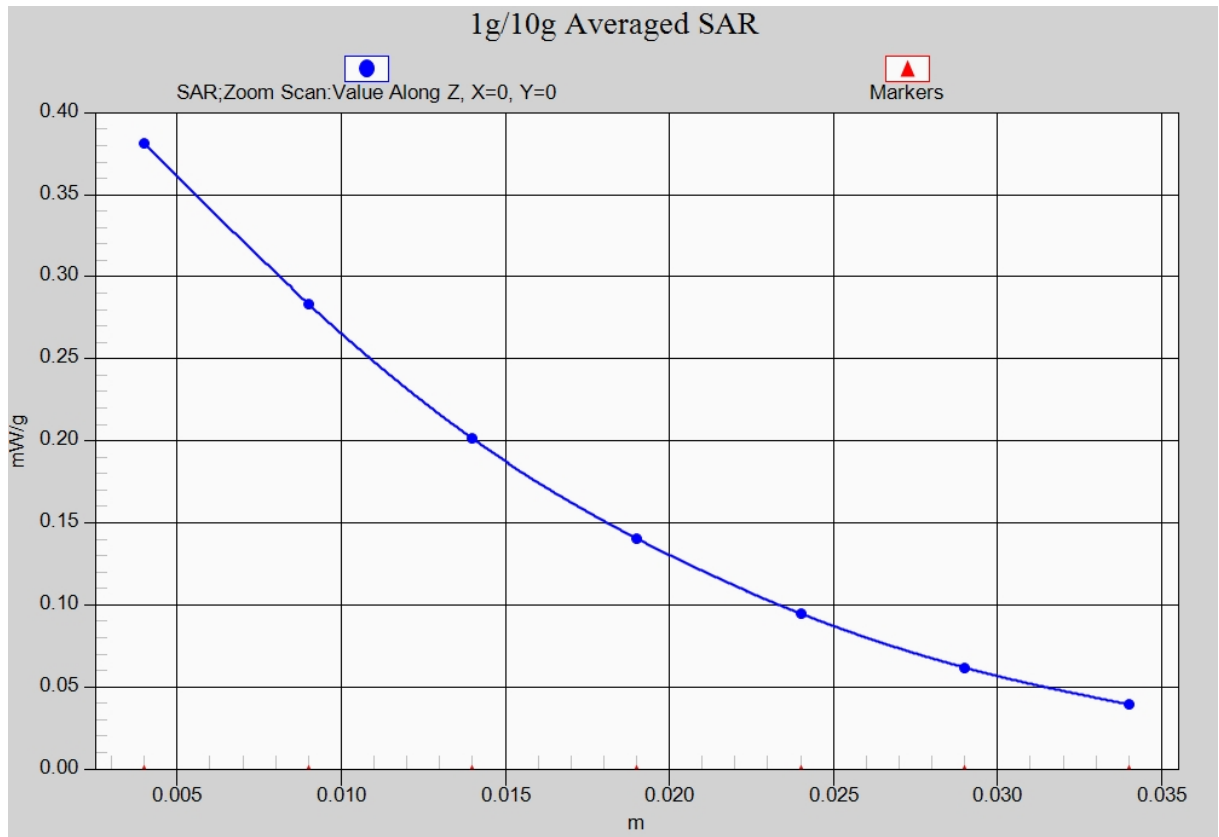


Fig. 76-1 Z-Scan at power reference point (WCDMA1900 CH9262)

WCDMA 1900 Right Tilt High

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.417$ mho/m; $\epsilon_r = 39.346$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1907.6 MHz Duty Cycle: 1:1

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

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

Reference Value = 13.072 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (interpolated) = 0.272 mW/g

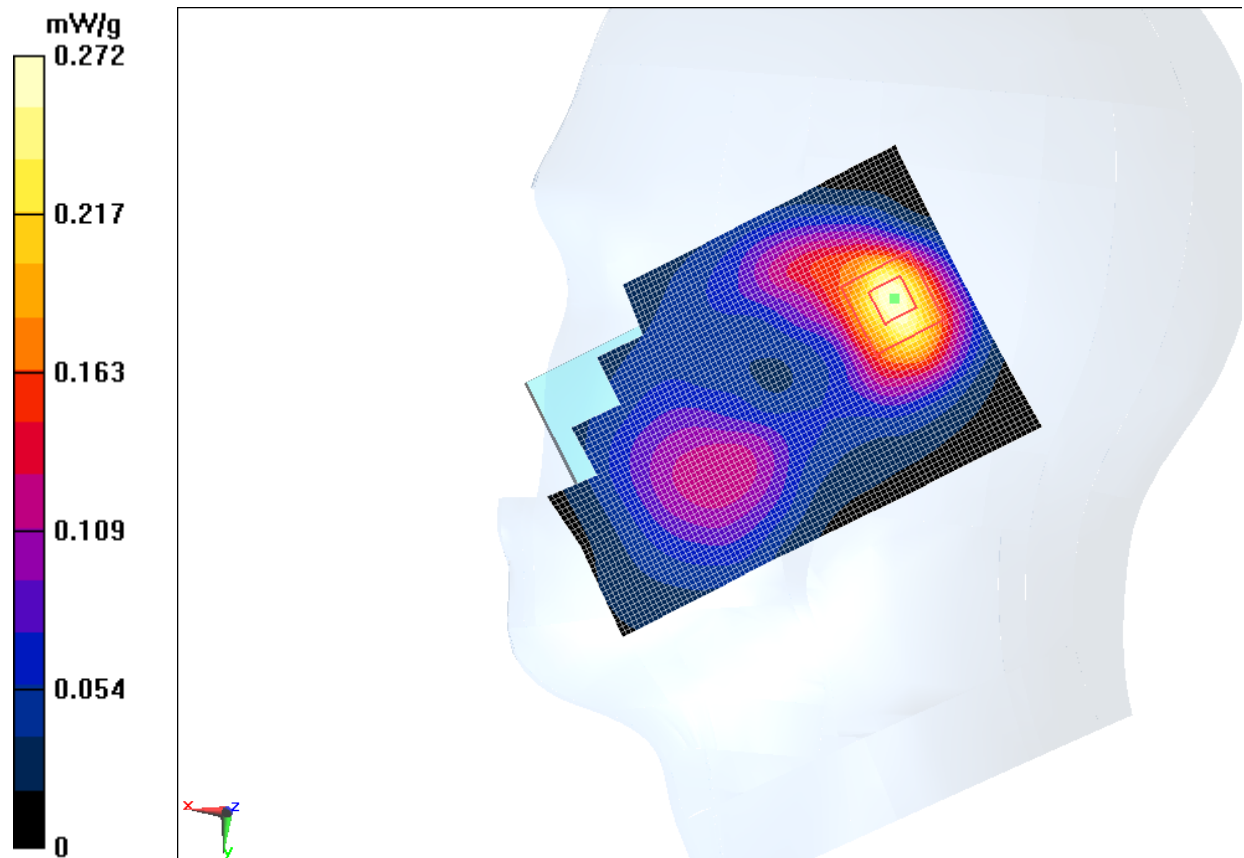


Fig. 77 WCDMA1900 CH9538

WCDMA 1900 Right Tilt Middle

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head GSM1900

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.391$ mho/m; $\epsilon_r = 39.448$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1880 MHz Duty Cycle: 1:1

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

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

Reference Value = 13.120 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.133 mW/g

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

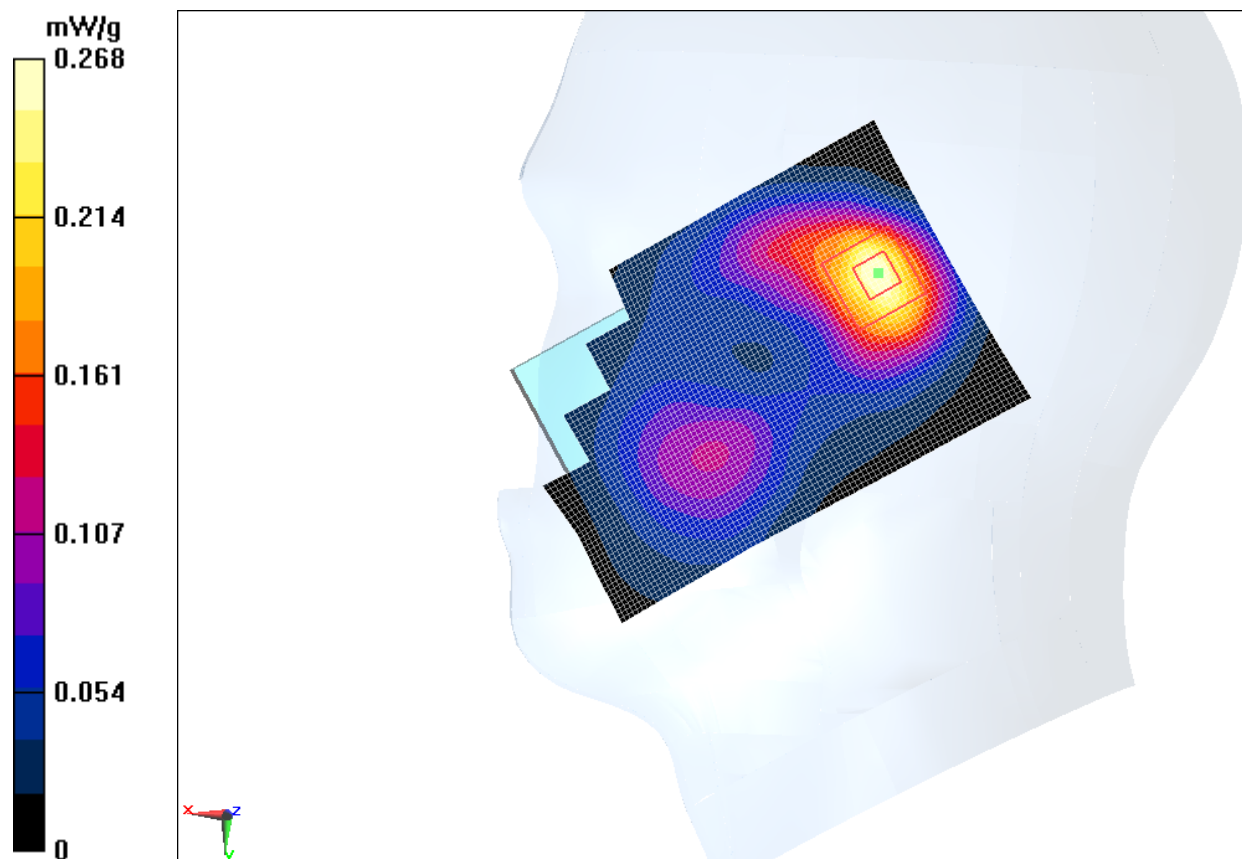


Fig. 78 WCDMA1900 CH9400

WCDMA 1900 Right Tilt Low

Date: 2013-1-21

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 39.547$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.8°C

Communication System: WCDMA 1900 Frequency: 1852.4 MHz Duty Cycle: 1:1

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

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

Reference Value = 14.089 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.151 mW/g

Maximum value of SAR (interpolated) = 0.300 mW/g

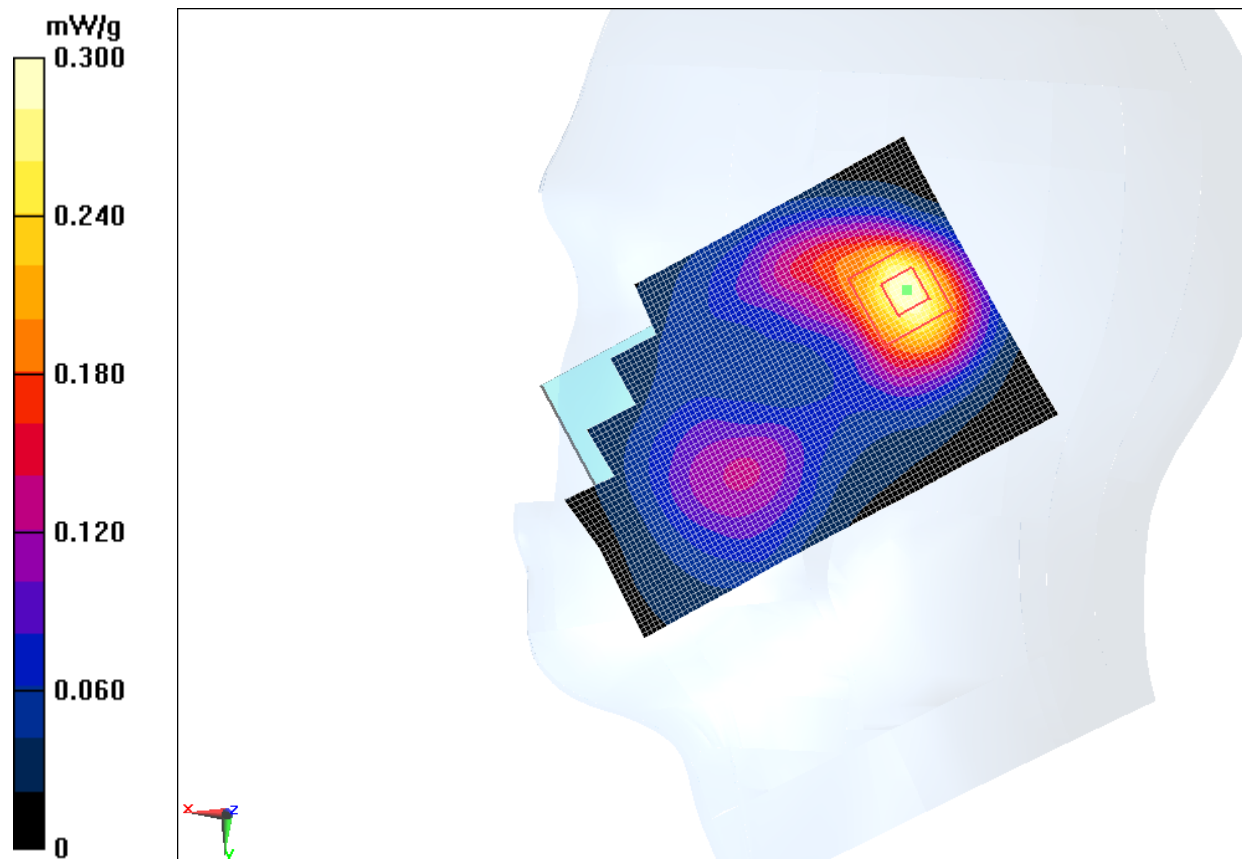


Fig. 79 WCDMA1900 CH9262