1900 Body Towards Ground Low with EGPRS

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.447 mho/m; εr = 52.398; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}C

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

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) = 1.11 mW/g

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

Reference Value = 10.301 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.464 mW/g

SAR(1 g) = 0.986 mW/g; SAR(10 g) = 0.621 mW/g

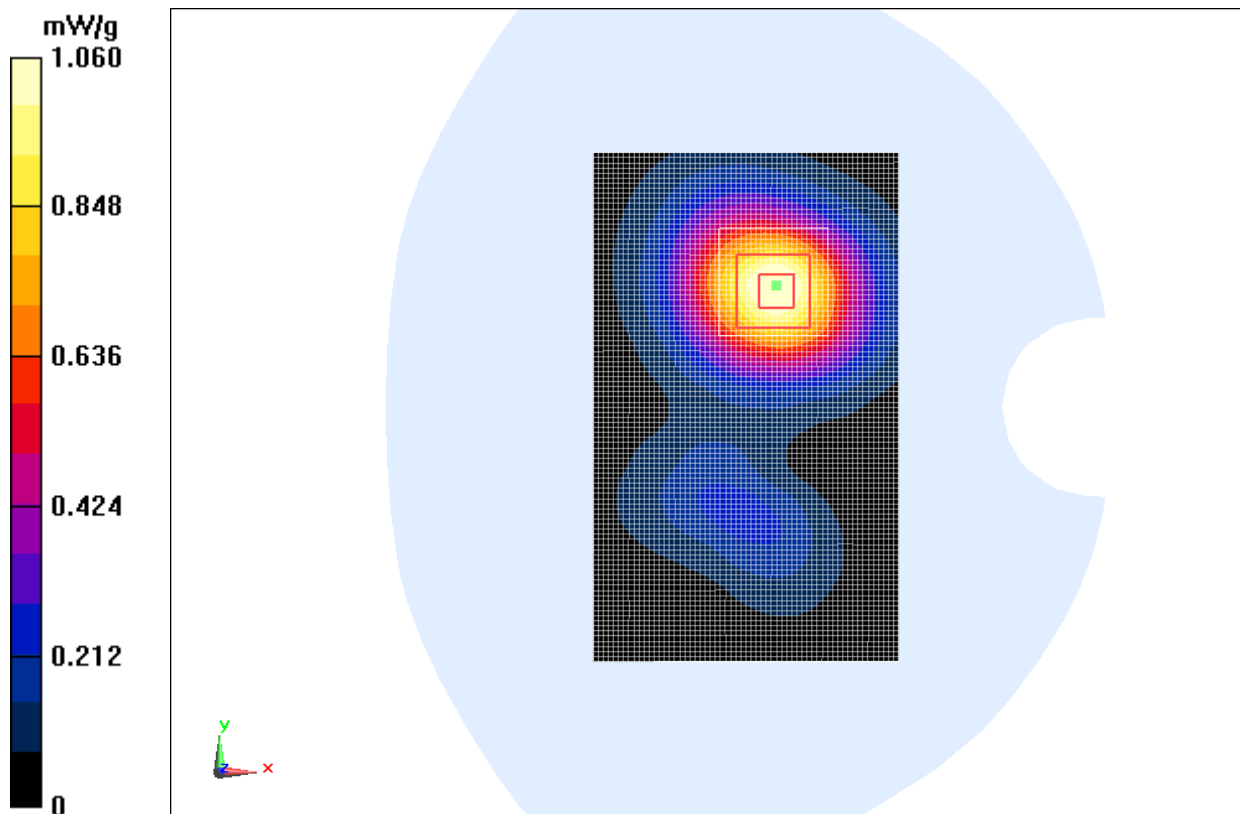Maximum value of SAR (measured) = 1.06 mW/g

Fig. 42 1900 MHz CH512

1900 Body Towards Ground Low with Headset CCB3160A15C1

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.447 mho/m; εr = 52.398; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}C

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

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) = 0.676 mW/g

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

Reference Value = 7.642 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.887 mW/g

SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.376 mW/g
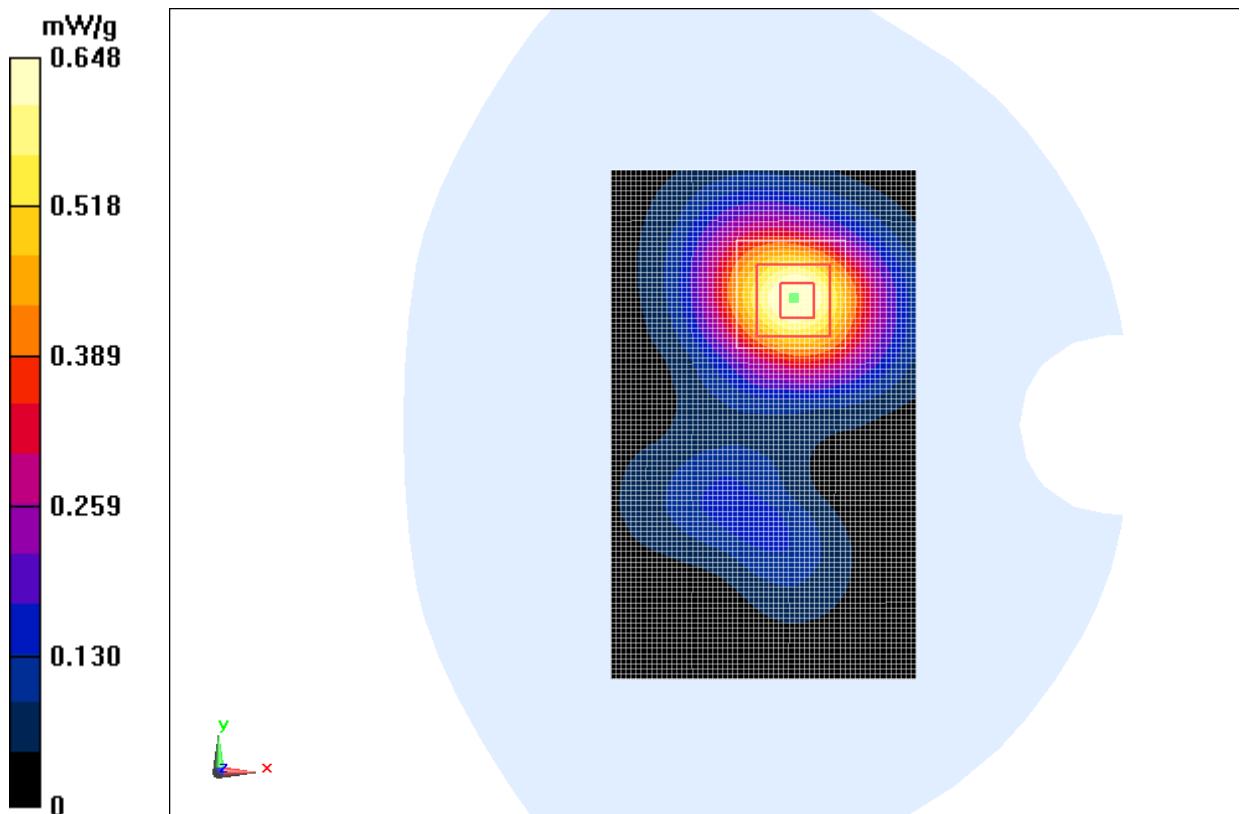
Maximum value of SAR (measured) = 0.648 mW/g

Fig. 43 1900 MHz CH512

1900 Body Towards Ground Low with Headset CCB3160A15C2

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.447 mho/m; εr = 52.398; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}C

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

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) = 0.671 mW/g

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

Reference Value = 8.364 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.888 mW/g

SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.375 mW/g
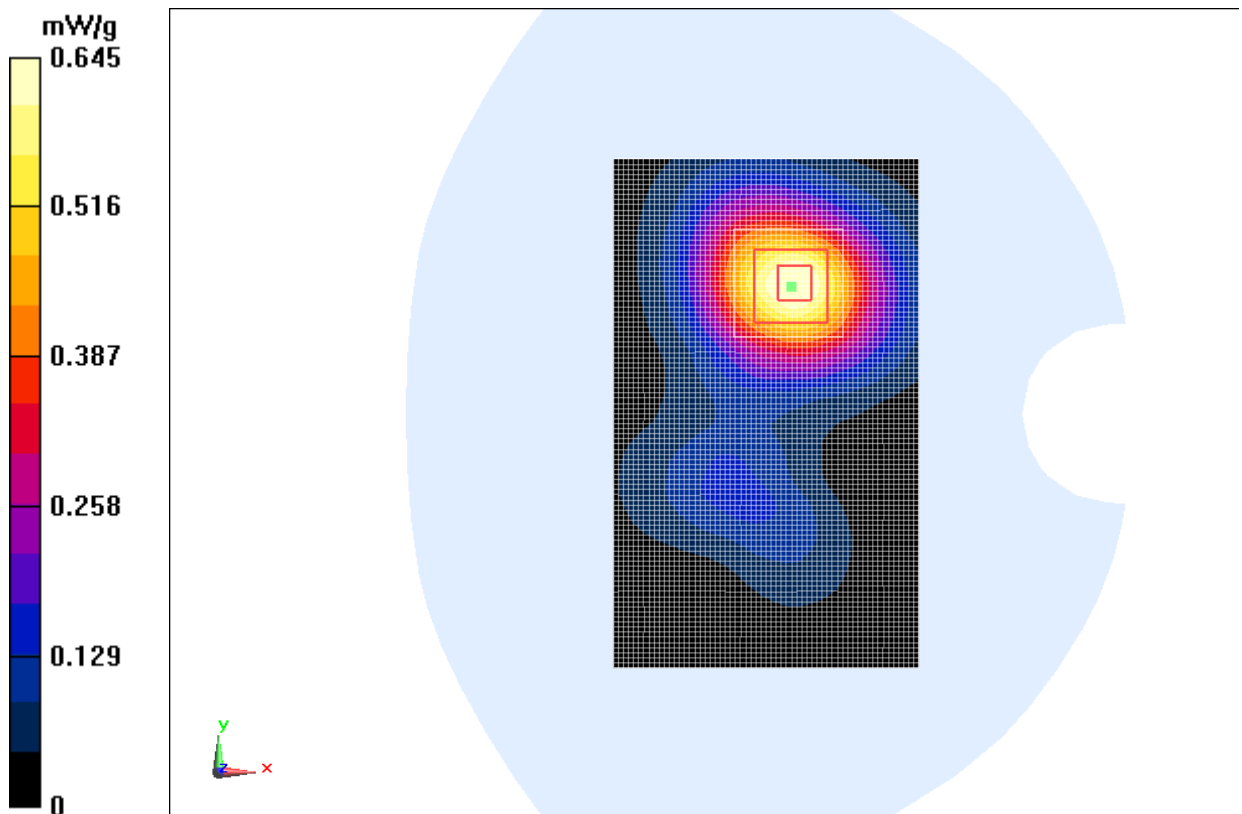
Maximum value of SAR (measured) = 0.645 mW/g

Fig. 44 1900 MHz CH512

WCDCMA 850 Left Cheek High

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.902 mho/m; εr = 41.178; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.964 mW/g

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

Reference Value = 16.823 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.1670

SAR(1 g) = 0.902 mW/g; SAR(10 g) = 0.646 mW/g
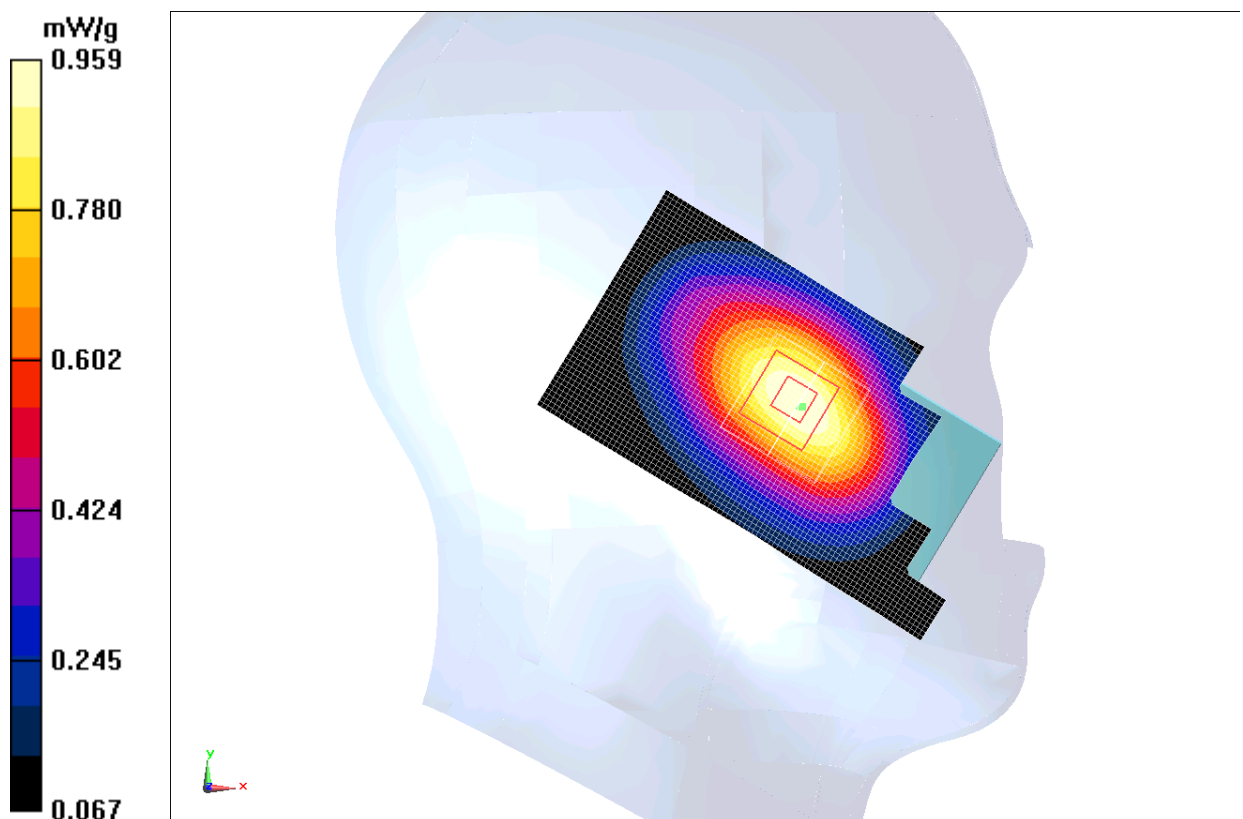
Maximum value of SAR (measured) = 0.959 mW/g

Fig. 45   WCDMA 850 CH4233

WCDCMA 850 Left Cheek Middle

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.891 mho/m; εr = 41.345; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.080 mW/g

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

Reference Value = 17.158 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.2990

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.730 mW/g

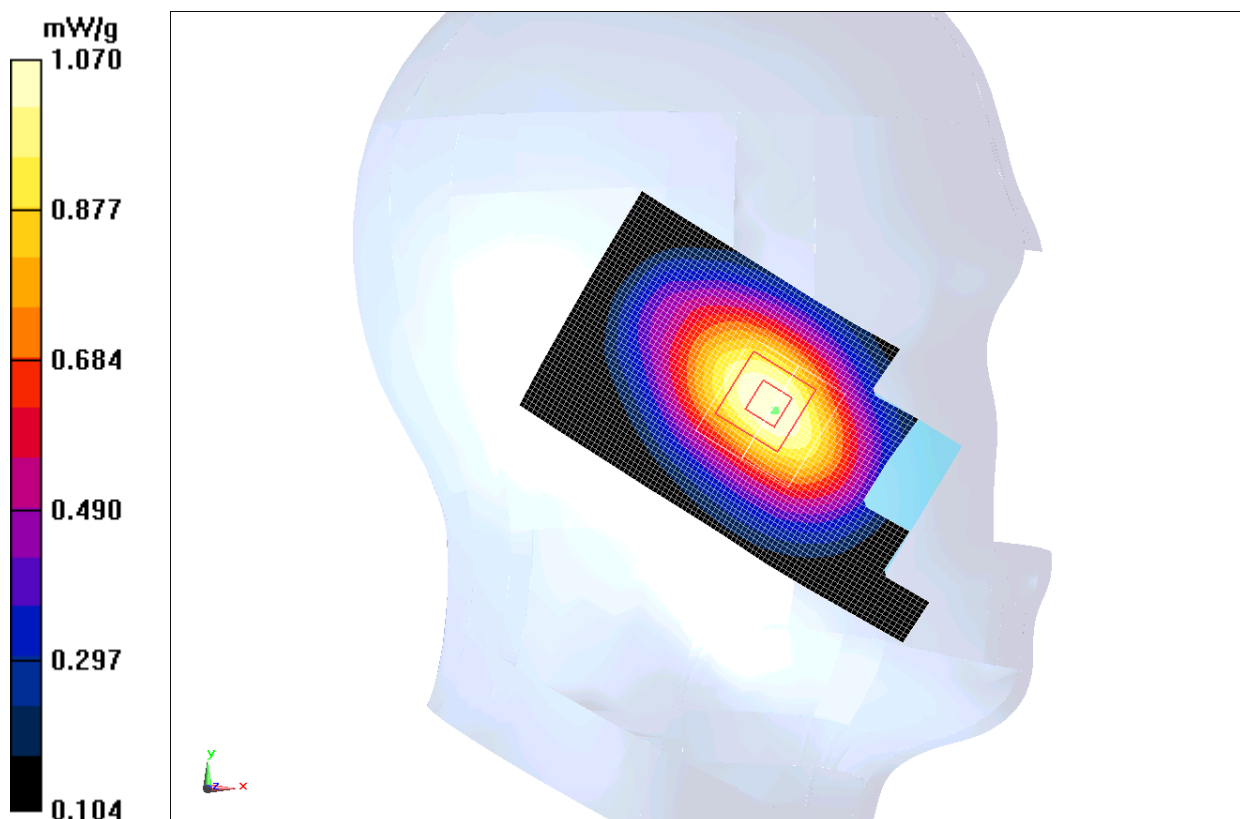Maximum value of SAR (measured) = 1.070 mW/g
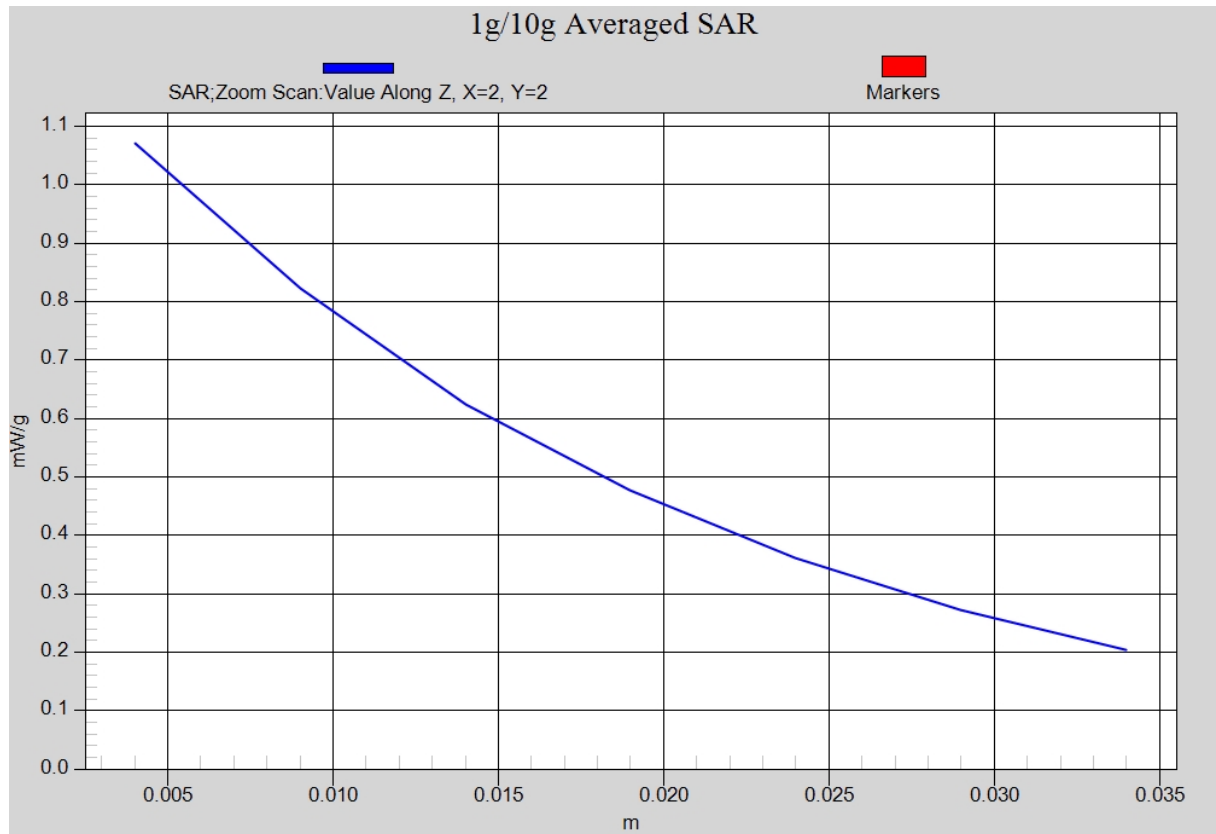

Fig. 46   WCDCMA850 CH4182

Fig. 46-1   Z-Scan at power reference point (WCDMA 850 CH4182)

WCDCMA 850 Left Cheek Low

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.882 mho/m; εr = 41.475; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.967 mW/g

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

Reference Value = 16.795 V/m; Power Drift = 0.0041 dB

Peak SAR (extrapolated) = 1.1580

SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.654 mW/g
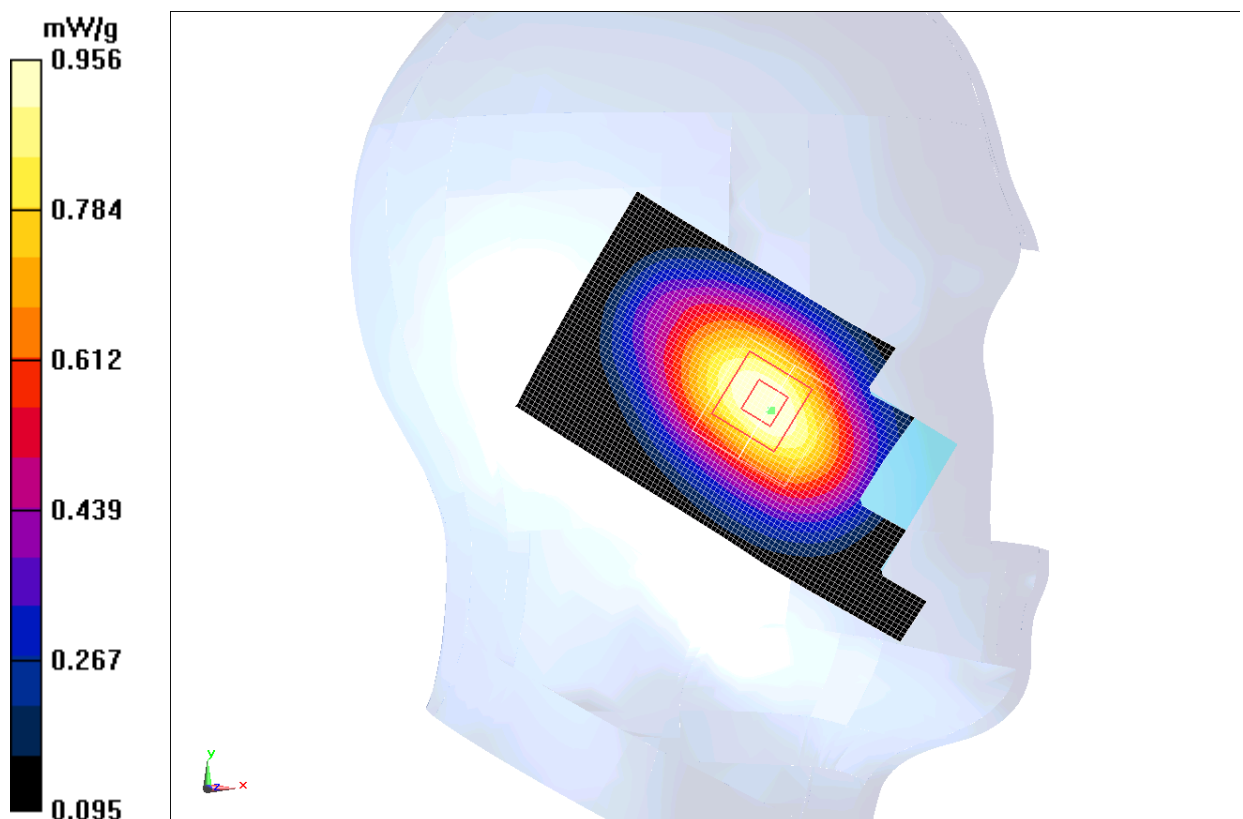
Maximum value of SAR (measured) = 0.956 mW/g

Fig. 47   WCDMA 850 CH4132

WCDCMA 850 Left Tilt High

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.902 mho/m; εr = 41.178; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.629 mW/g

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

Reference Value = 20.907 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.7820

SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.422 mW/g

Maximum value of SAR (measured) = 0.627 mW/g

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

Reference Value = 20.907 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.7580

SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.358 mW/g
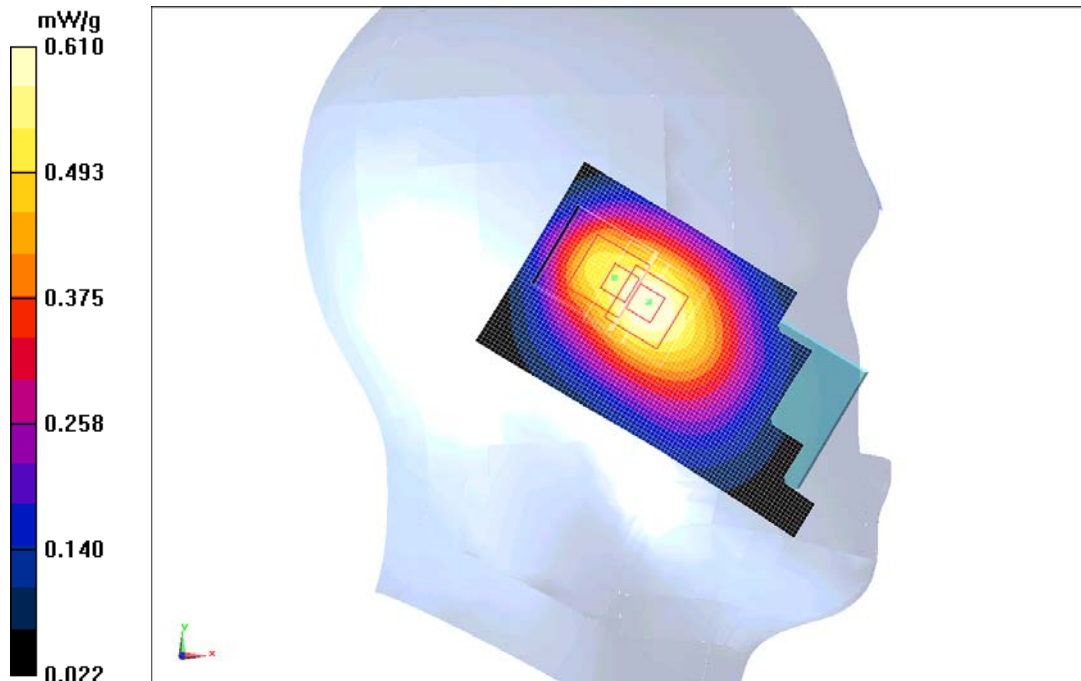
Maximum value of SAR (measured) = 0.610 mW/g

Fig. 48   WCDMA 850 CH4233

WCDCMA 850 Left Tilt Middle

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.891 mho/m; εr = 41.345; ρ = 1000 kg/m³

Ambient Temperature: 22.3°C Liquid Temperature: 21.7°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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.673 mW/g

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

Reference Value = 21.870 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.8320

SAR(1 g) = 0.632 mW/g; SAR(10 g) = 0.455 mW/g

Maximum value of SAR (measured) = 0.673 mW/g

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

Reference Value = 21.870 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.8140

SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.383 mW/g
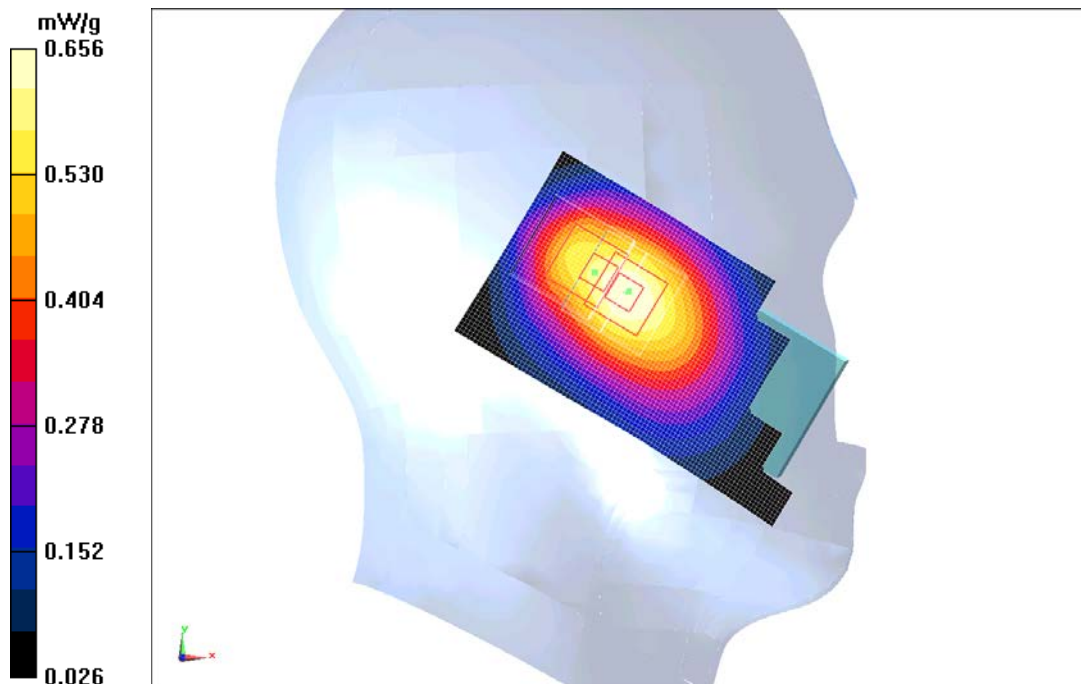
Maximum value of SAR (measured) = 0.656 mW/g

Fig. 49 WCDCMA850 CH4182

WCDCMA 850 Left Tilt Low

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.882 mho/m; εr = 41.475; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.596 mW/g

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

Reference Value = 20.842 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.7390

SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 0.596 mW/g

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

Reference Value = 20.842 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.7230

SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.342 mW/g
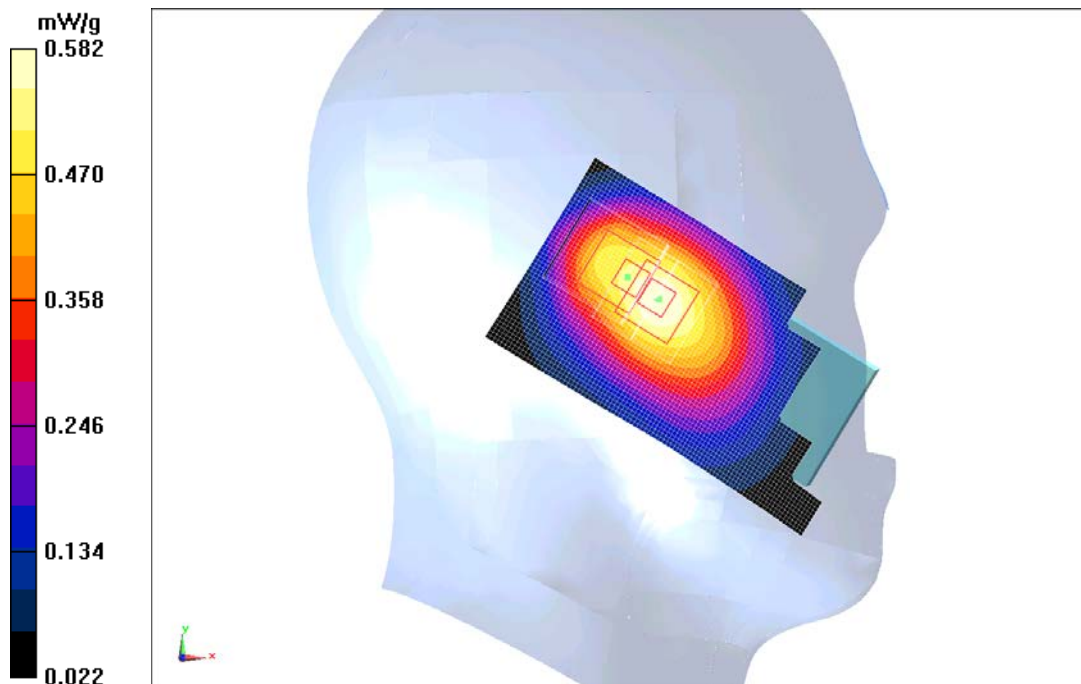
Maximum value of SAR (measured) = 0.582 mW/g

Fig. 50   WCDMA 850 CH4132

WCDCMA 850 Right Cheek High

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.902 mho/m; εr = 41.178; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.881 mW/g

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

Reference Value = 12.158 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.0830

SAR(1 g) = 0.834 mW/g; SAR(10 g) = 0.588 mW/g
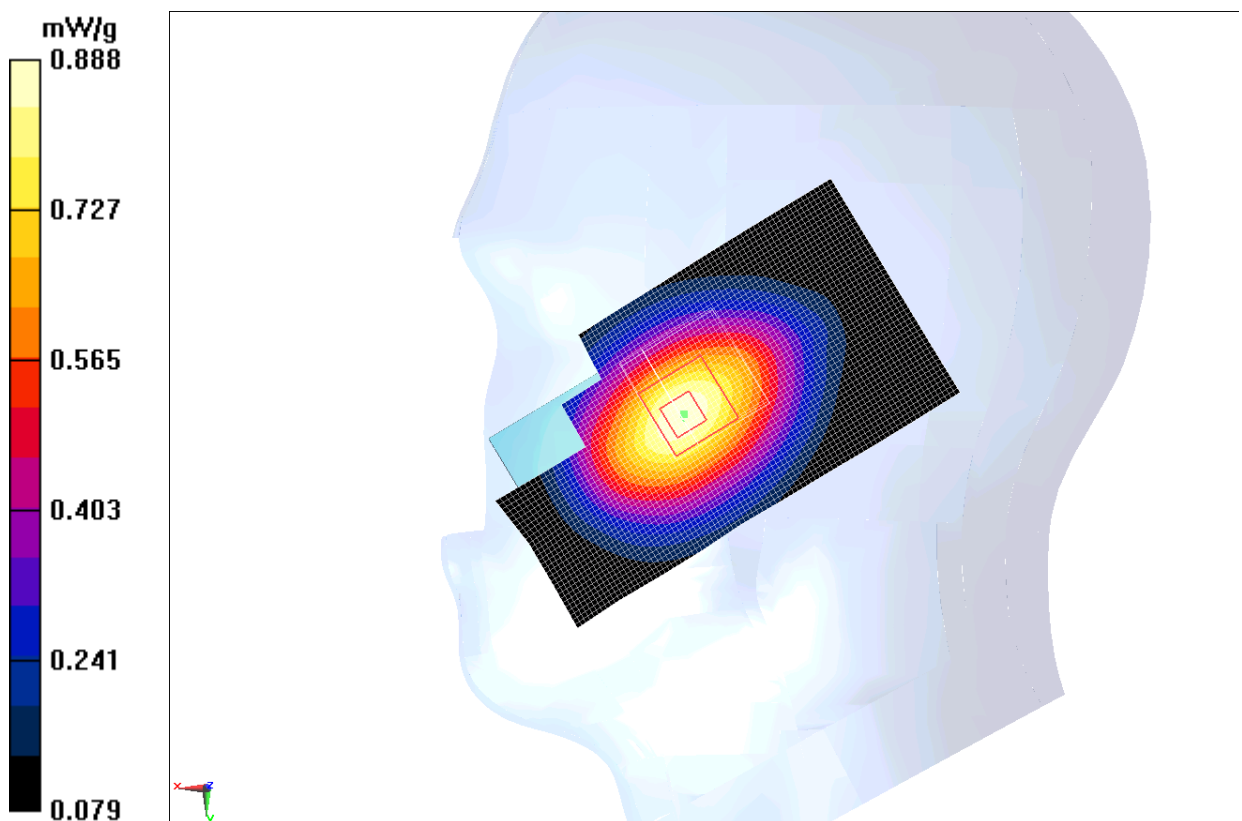
Maximum value of SAR (measured) = 0.888 mW/g

Fig. 51   WCDMA 850 CH4233

WCDCMA 850 Right Cheek Middle

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.891 mho/m; εr = 41.345; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.006 mW/g

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

Reference Value = 13.103 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.1920

SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.656 mW/g

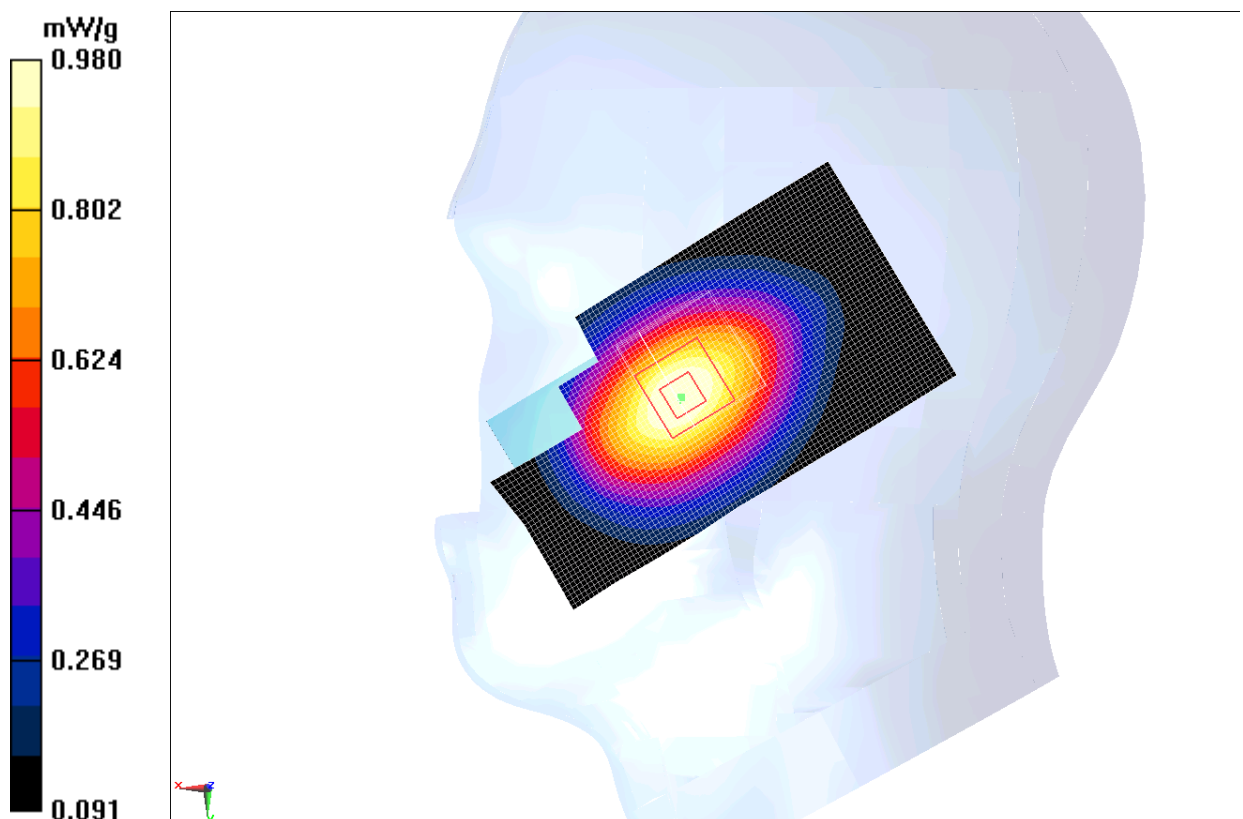Maximum value of SAR (measured) = 0.980 mW/g

Fig. 52   WCDCMA850 CH4182

WCDCMA 850 Right Cheek Low

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.882 mho/m; εr = 41.475; ρ = 1000 kg/m³

Ambient Temperature: 22.3°C   Liquid Temperature: 21.7°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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.878 mW/g

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

Reference Value = 12.594 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.0800

SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.593 mW/g
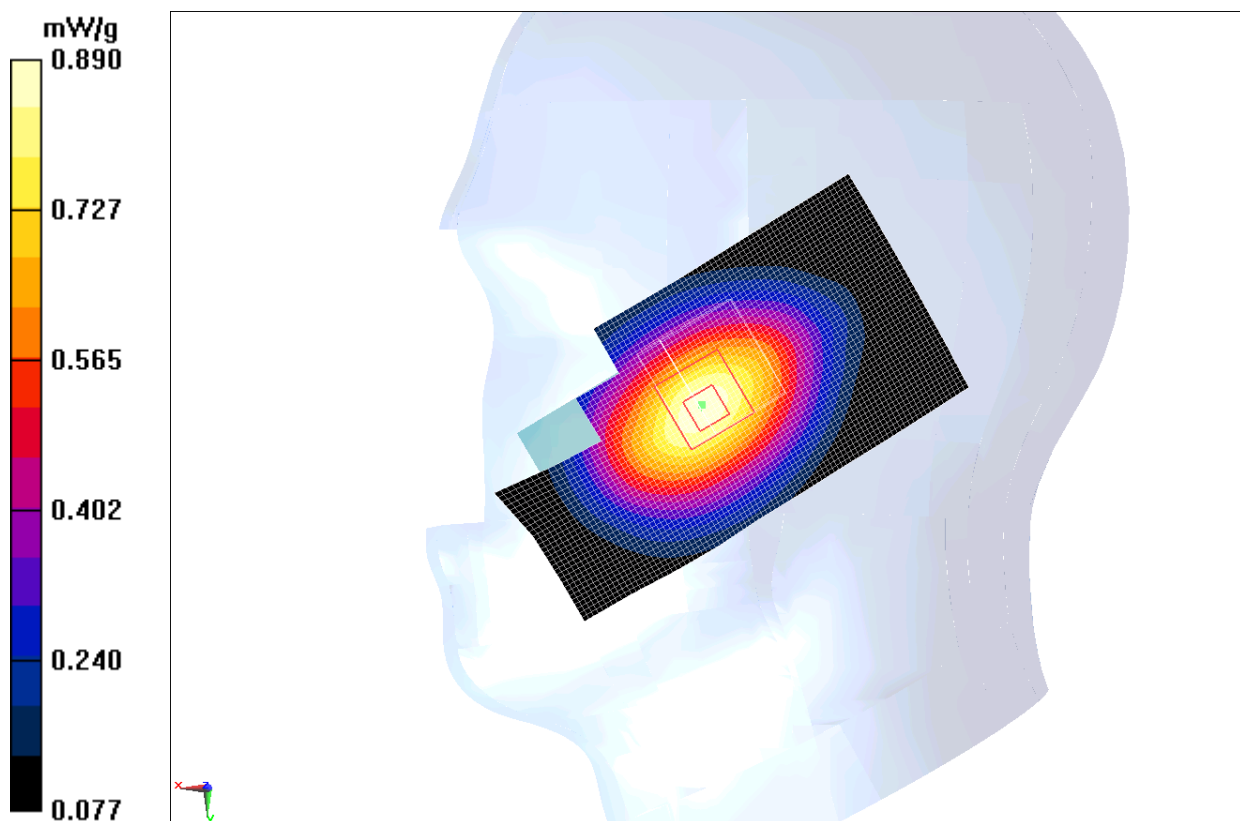
Maximum value of SAR (measured) = 0.890 mW/g

Fig. 53   WCDMA 850 CH4132

WCDCMA 850 Right Tilt High

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.902 mho/m; εr = 41.178; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.528 mW/g

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

Reference Value = 18.057 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.6580

SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.360 mW/g
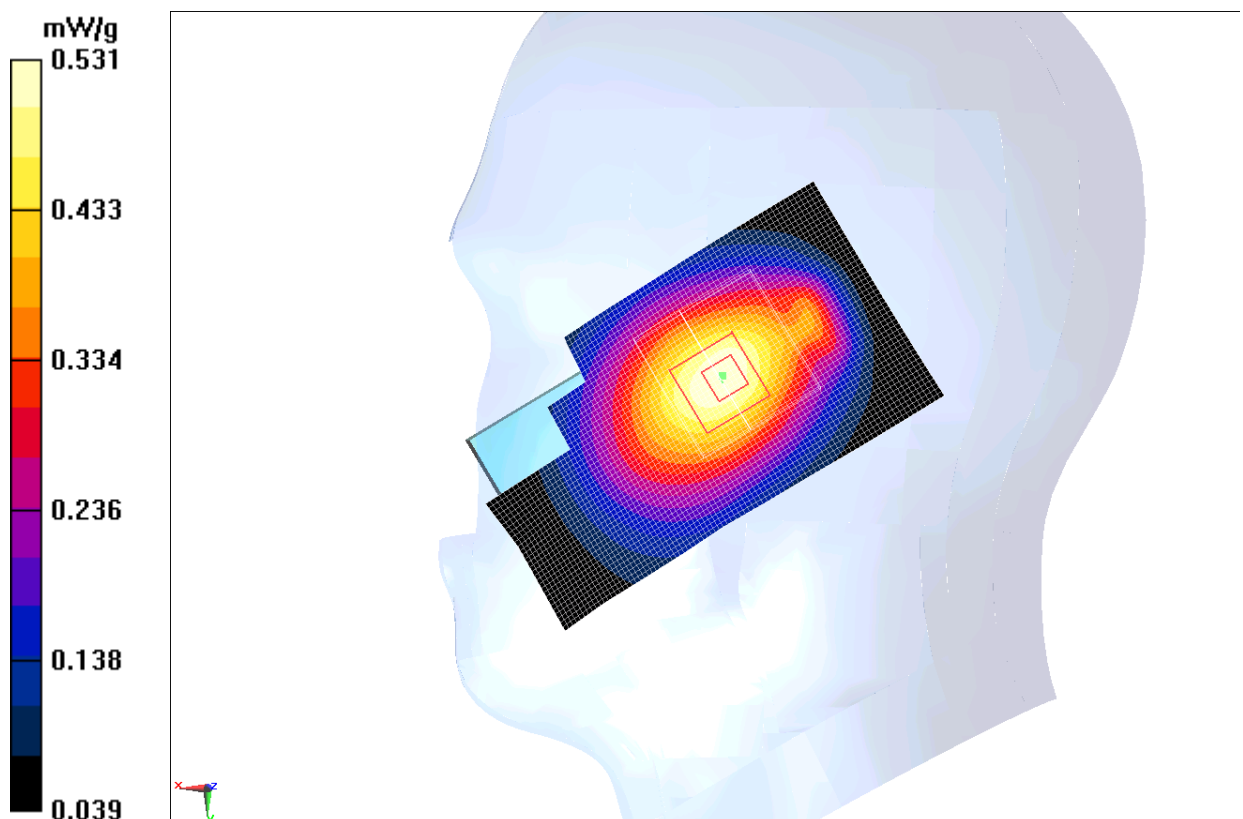
Maximum value of SAR (measured) = 0.531 mW/g

Fig. 54   WCDMA 850 CH4233

WCDCMA 850 Right Tilt Middle

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.891 mho/m; εr = 41.345; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.575 mW/g

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

Reference Value = 19.052 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.7160

SAR(1 g) = 0.546 mW/g; SAR(10 g) = 0.395 mW/g

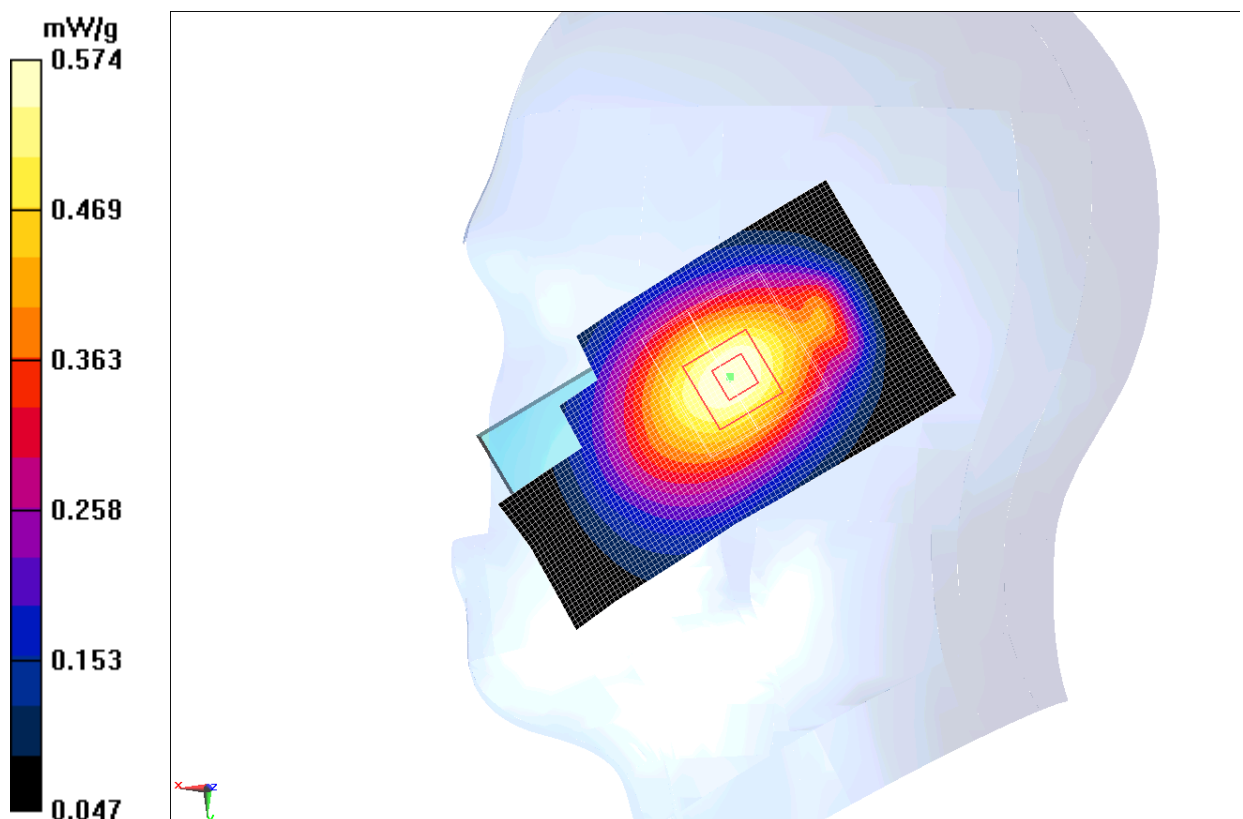Maximum value of SAR (measured) = 0.574 mW/g

Fig. 55   WCDCMA850 CH4182

WCDCMA 850 Right Tilt Low

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Head 850 MHz

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.882 mho/m; εr = 41.475; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.517 mW/g

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

Reference Value = 18.322 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.6620

SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.367 mW/g
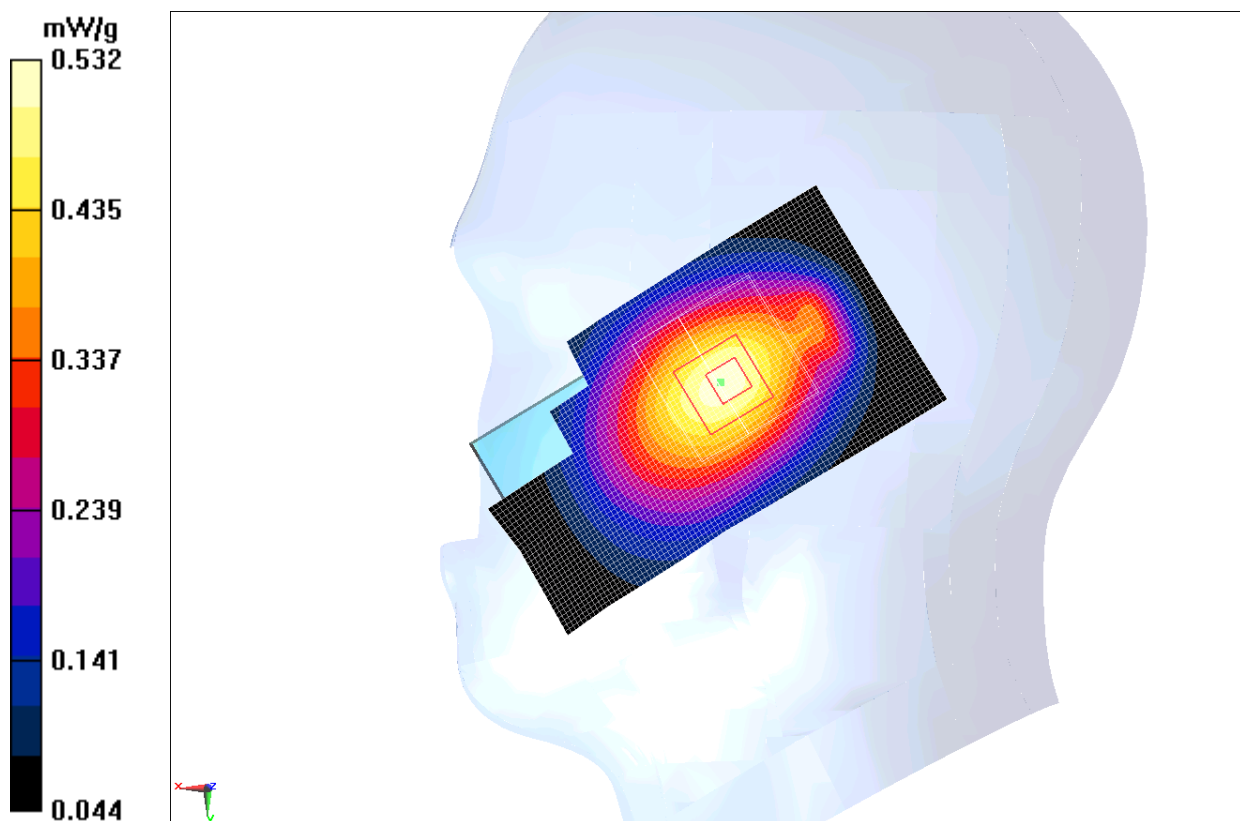
Maximum value of SAR (measured) = 0.532 mW/g

Fig. 56   WCDMA 850 CH4132

WCDCMA 850 Body Towards Ground High

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 1.016 mho/m; εr = 53.715; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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=10mm, dy=10mm

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

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

Reference Value = 25.967 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.857 mW/g

SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.472 mW/g

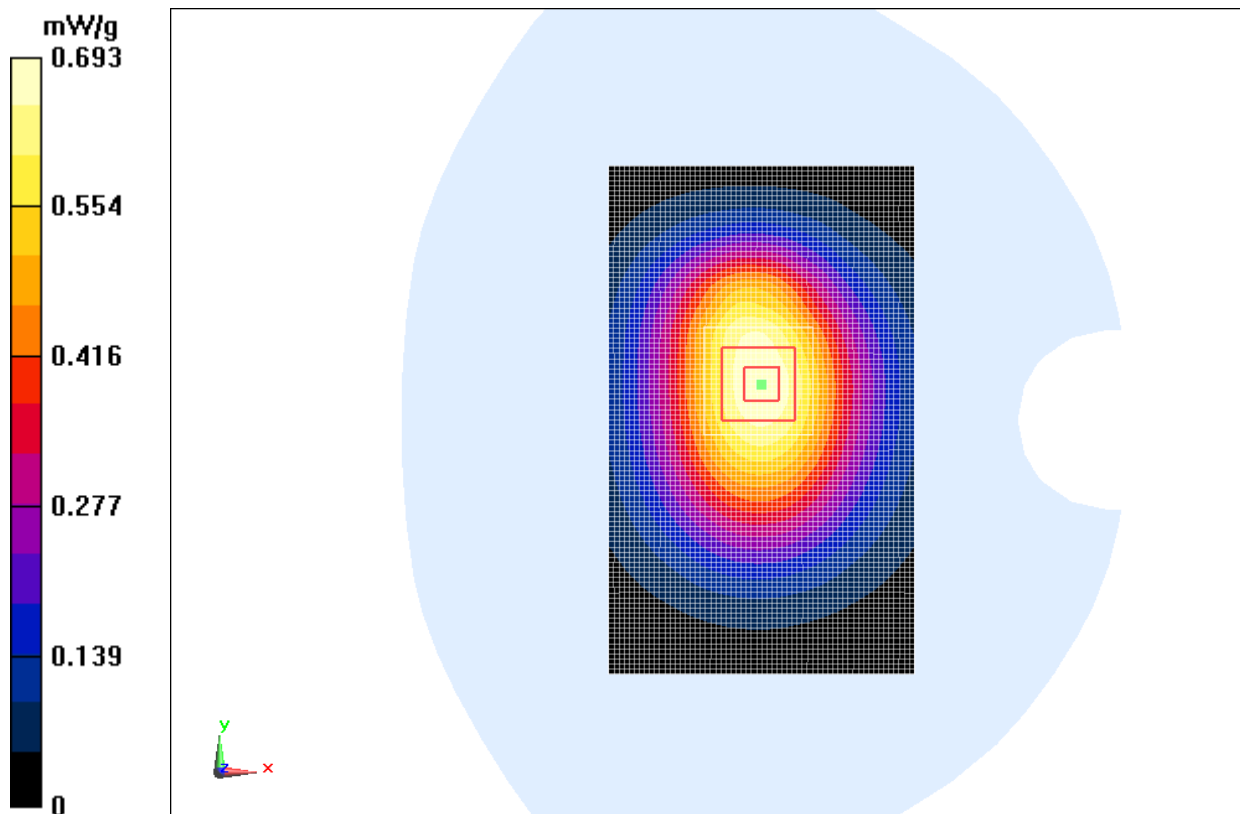Maximum value of SAR (measured) = 0.693 mW/g
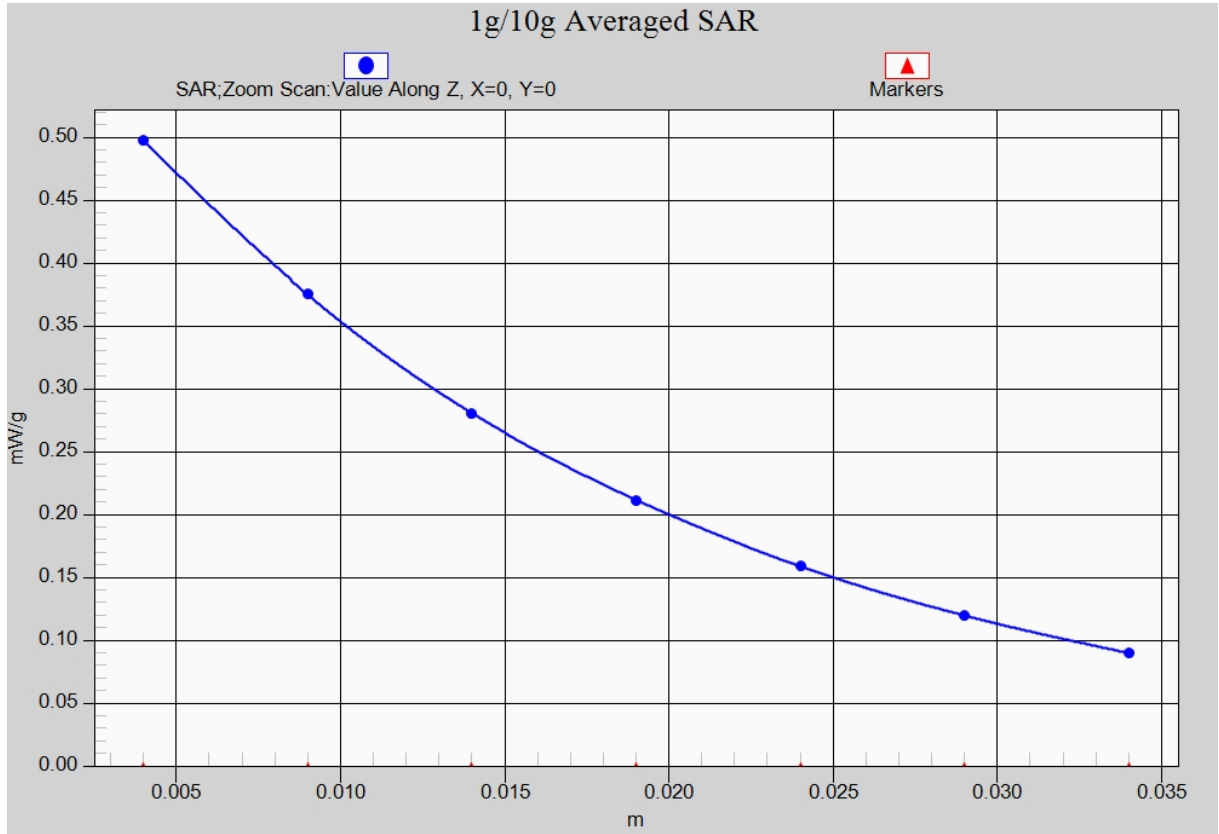

Fig. 57   WCDMA 850 CH4233

Fig. 57-1   Z-Scan at power reference point (WCDMA850 CH4233)

WCDCMA 850 Body Towards Ground Middle

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): f = 836.4 MHz; σ = 1.006 mho/m; εr = 53.808; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.674 mW/g

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

Reference Value = 25.742 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.825 mW/g

SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.461 mW/g

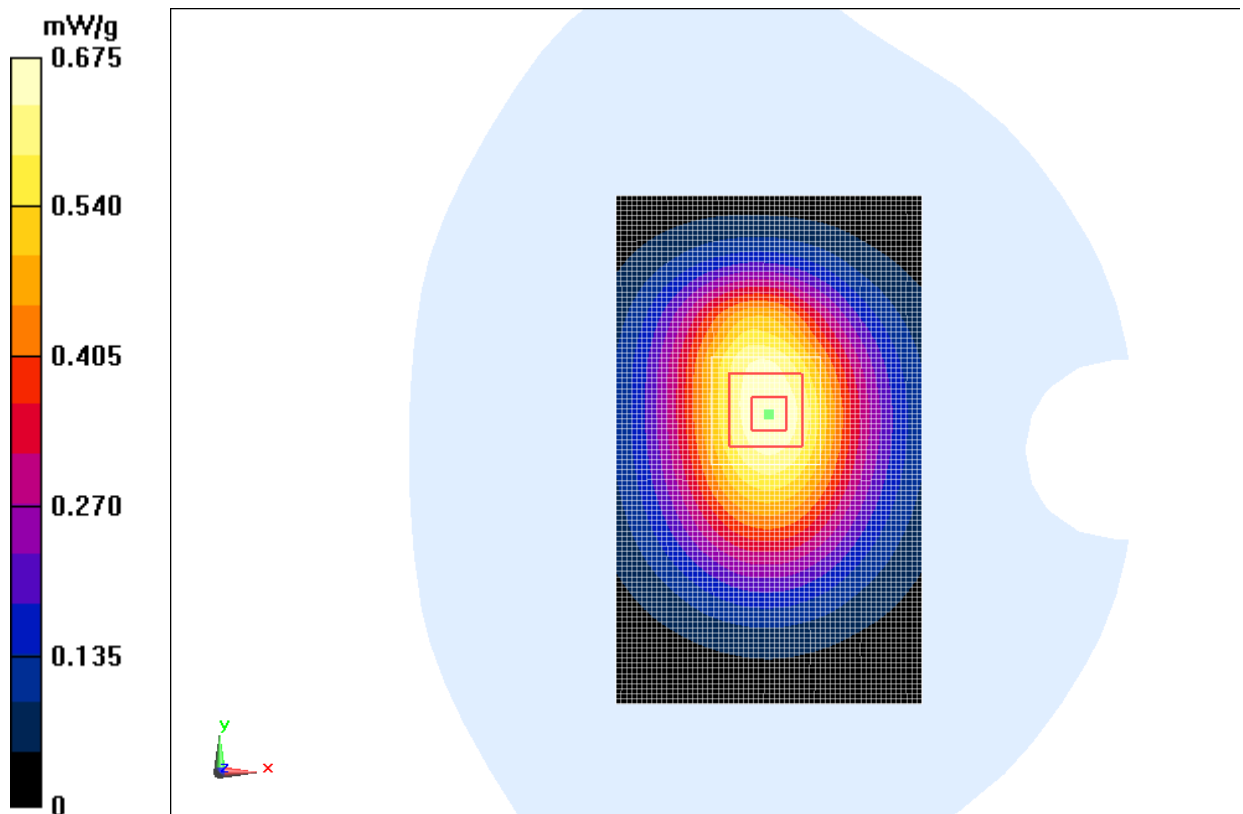Maximum value of SAR (measured) = 0.675 mW/g

Fig. 58   WCDCMA850 CH4182

WCDCMA 850 Body Towards Ground Low

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.995 mho/m; εr = 53.918; ρ = 1000 kg/m³

Ambient Temperature: 22.3°C   Liquid Temperature: 21.7°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=10mm, dy=10mm

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

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

Reference Value = 24.991 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.771 mW/g

SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.433 mW/g
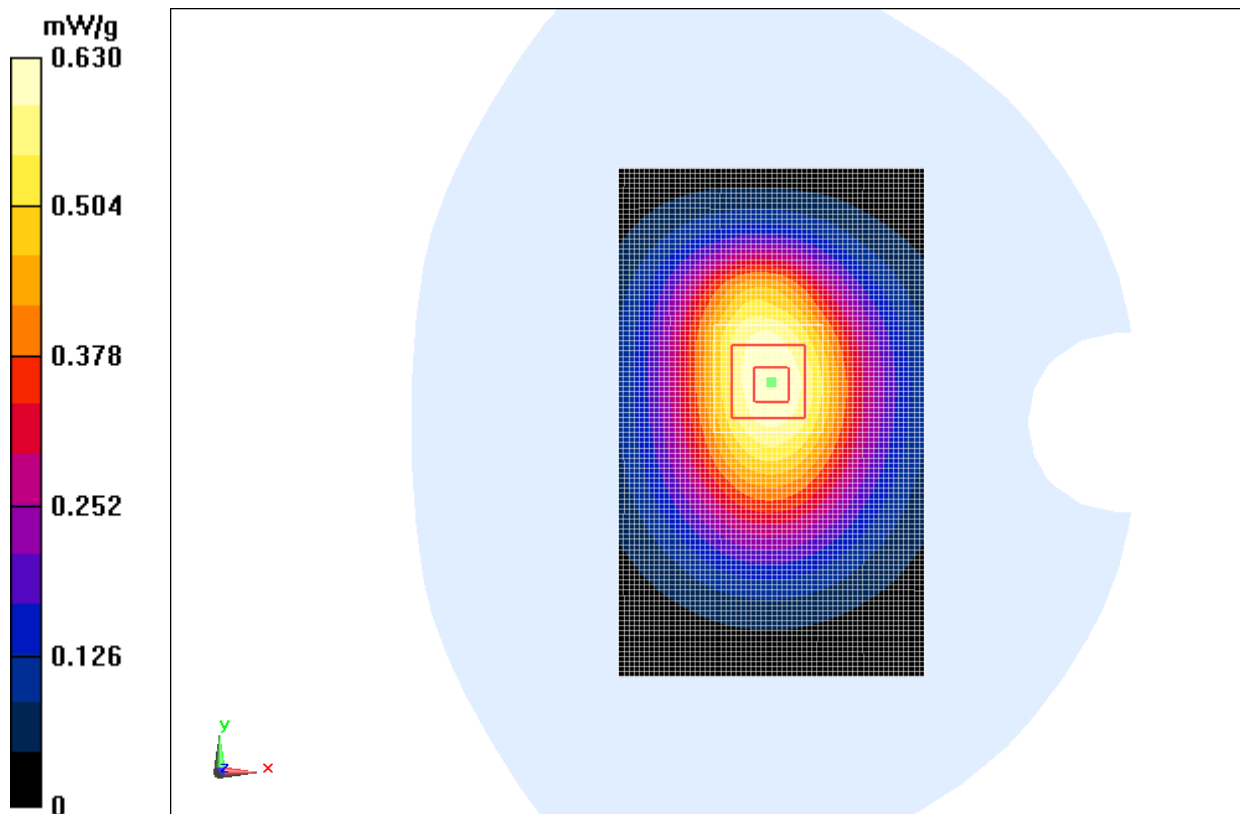
Maximum value of SAR (measured) = 0.630 mW/g

Fig.59   WCDMA 850 CH4132

WCDCMA 850 Body Towards Phantom High

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 1.016 mho/m; εr = 53.715; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}C

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

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

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

Maximum value of SAR (interpolated) = 0.605 mW/g

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

Reference Value = 24.319 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.744 mW/g

SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.414 mW/g
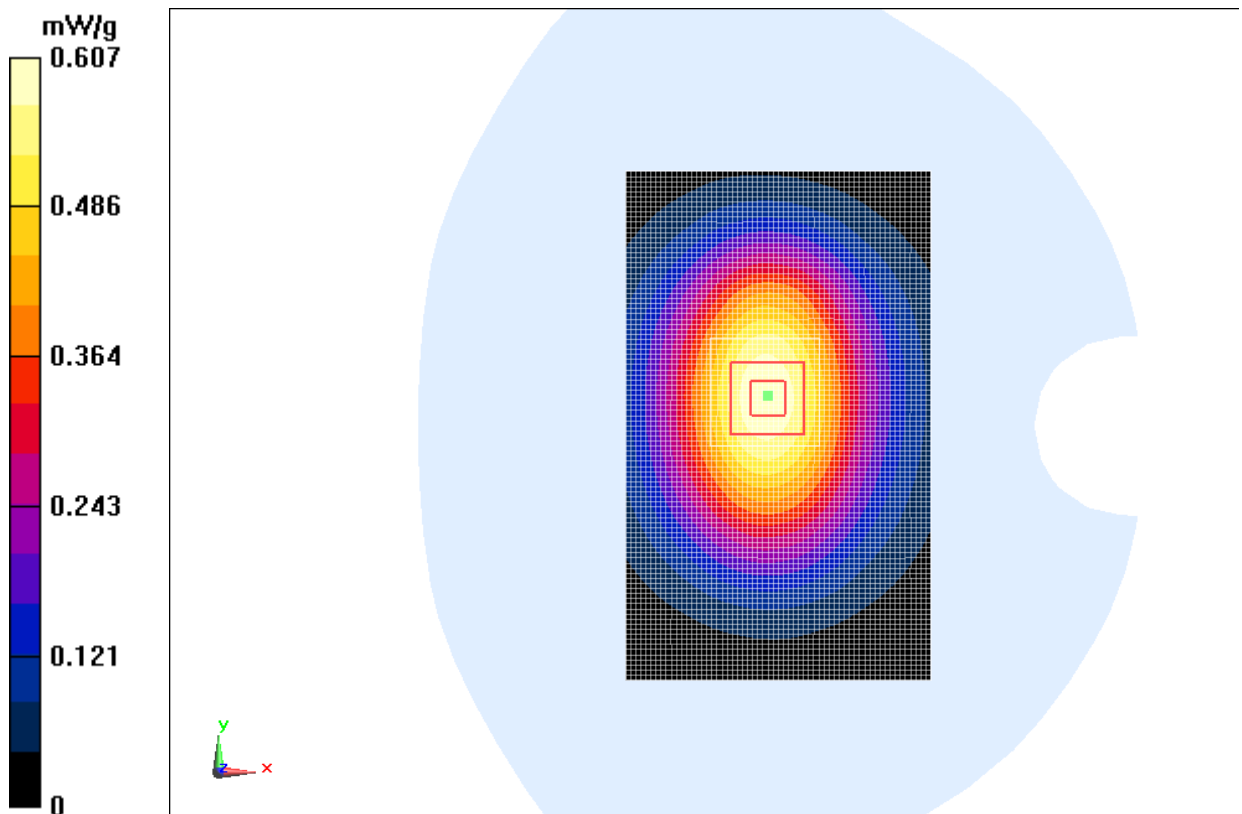
Maximum value of SAR (measured) = 0.607 mW/g

Fig. 60   WCDMA 850 CH4233

WCDCMA 850 Body Towards Phantom Middle

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): f = 836.4 MHz; σ = 1.006 mho/m; εr = 53.808; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.607 mW/g

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

Reference Value = 24.513 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.748 mW/g

SAR(1 g) = 0.575 mW/g; SAR(10 g) = 0.415 mW/g

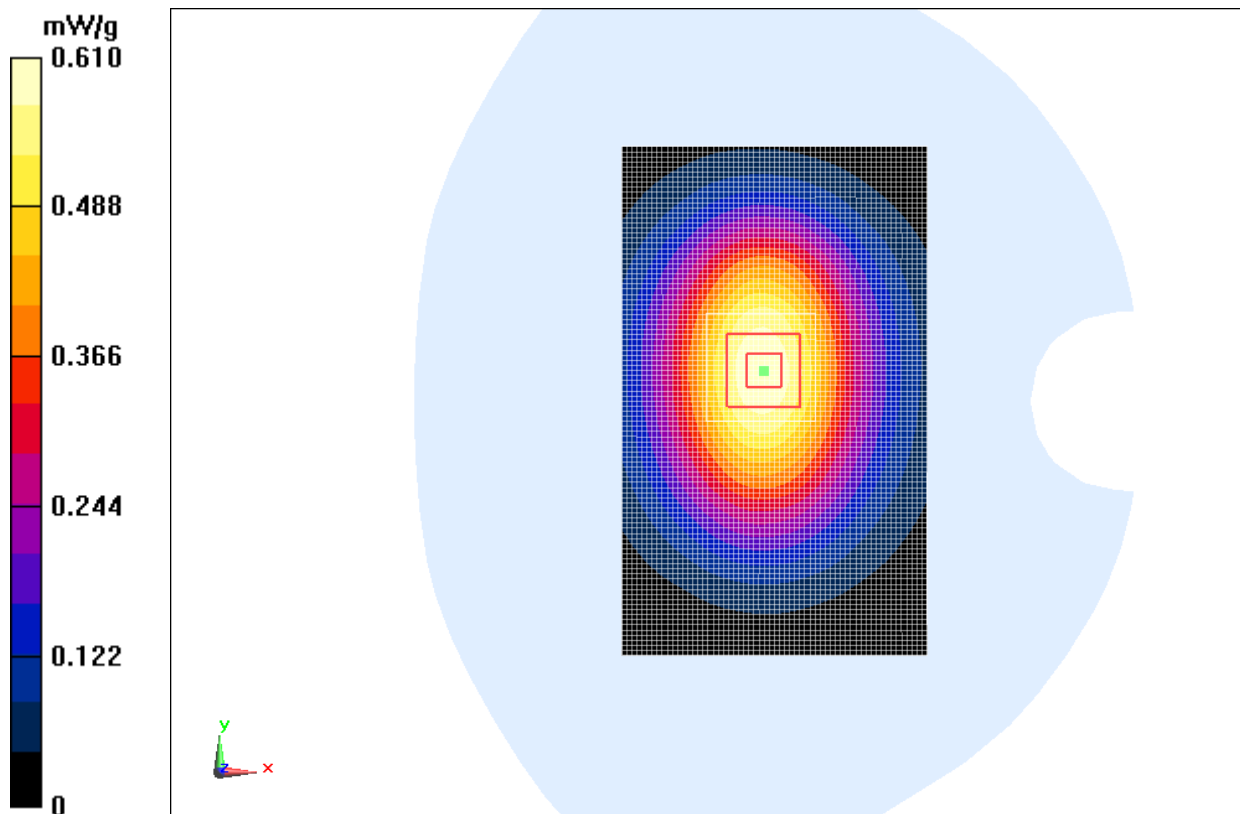Maximum value of SAR (measured) = 0.610 mW/g

Fig.61   WCDCMA850 CH4182

WCDCMA 850 Body Towards Phantom Low

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.995 mho/m; εr = 53.918; ρ = 1000 kg/m³

Ambient Temperature: 22.3°C   Liquid Temperature: 21.7°C

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

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

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

Maximum value of SAR (interpolated) = 0.549 mW/g

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

Reference Value = 23.291 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.668 mW/g

SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.374 mW/g
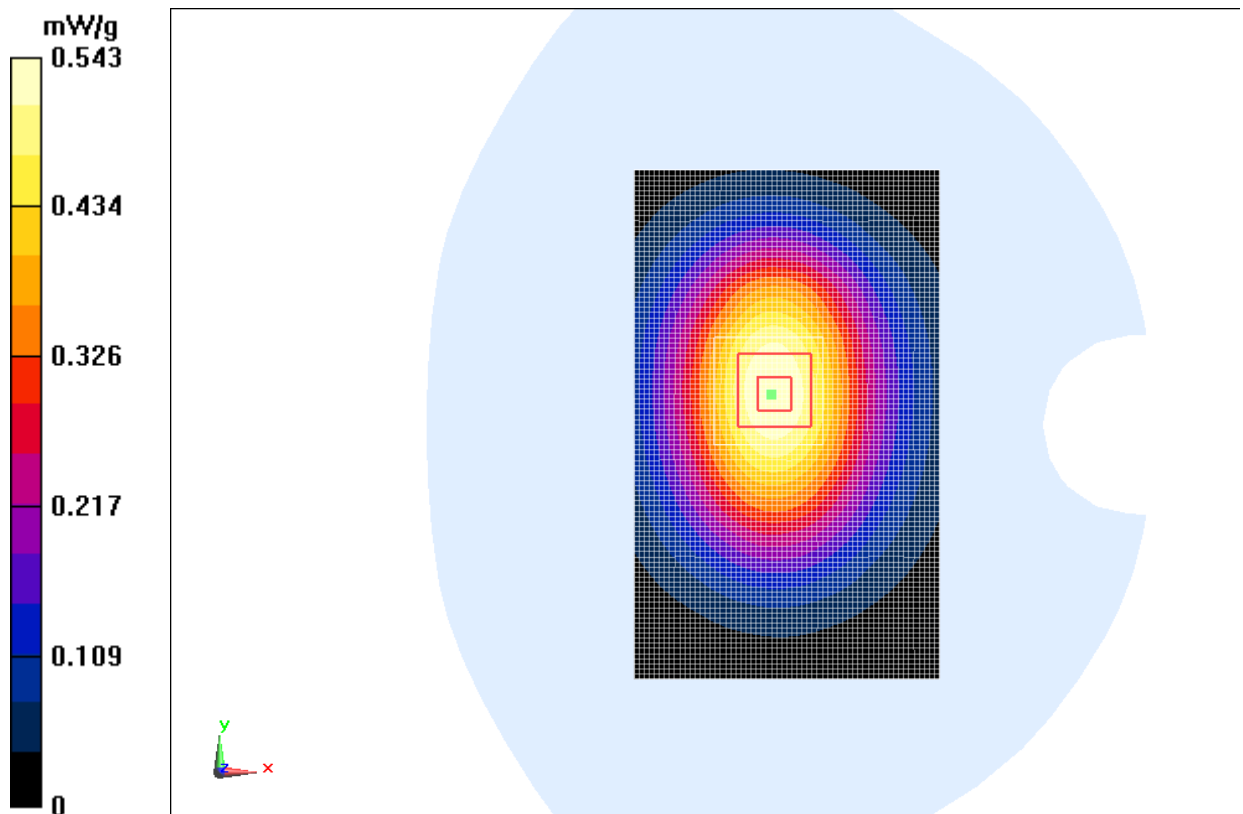
Maximum value of SAR (measured) = 0.543 mW/g

Fig. 62   WCDMA 850 CH4132

WCDCMA 850 Body Towards Ground High with Headset CCB3160A15C1

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 1.016 mho/m; εr = 53.715; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.323 mW/g

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

Reference Value = 18.267 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.390 mW/g

SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.221 mW/g
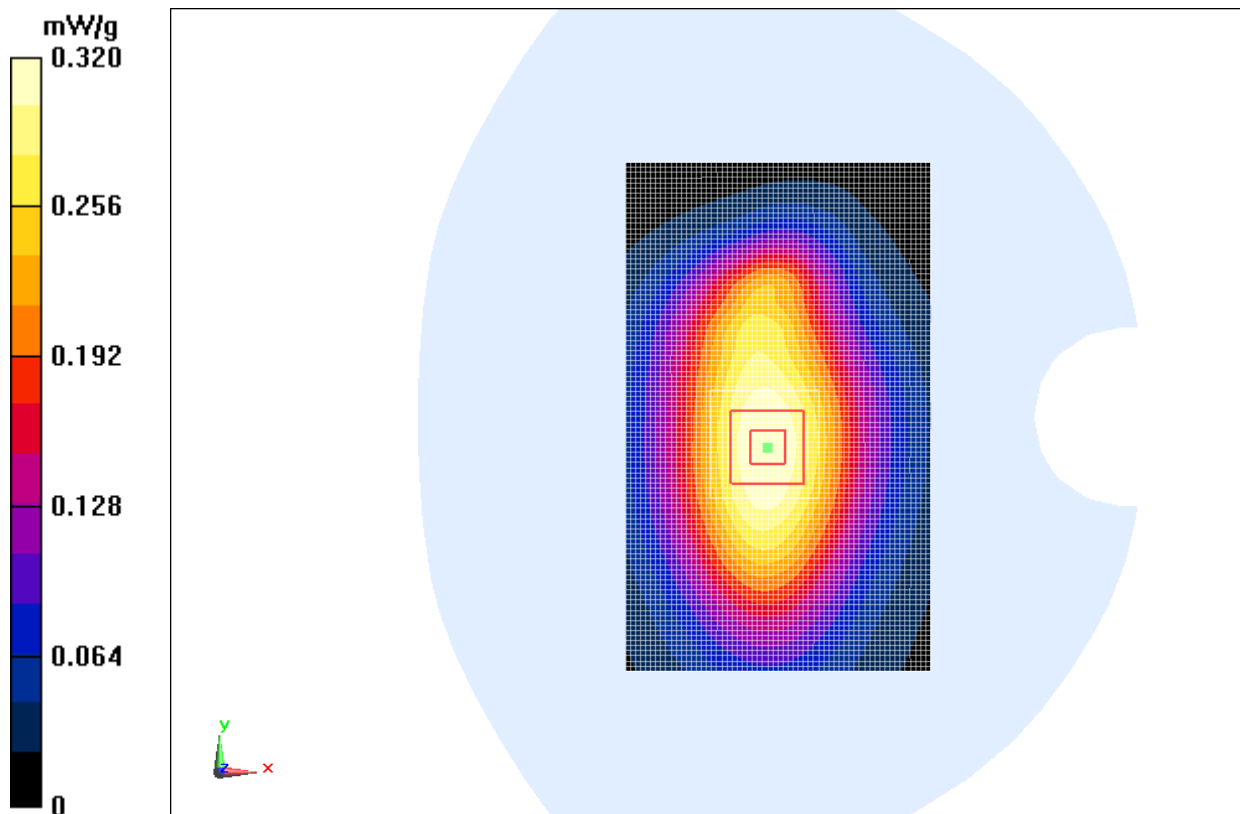
Maximum value of SAR (measured) = 0.320 mW/g

Fig. 63   WCDMA850 CH4233

WCDCMA 850 Body Towards Ground High with Headset CCB3160A15C2

Date: 2012-7-2

Electronics: DAE4 Sn771

Medium: Body 850 MHz

Medium parameters used (interpolated): f = 846.6 MHz; σ = 1.016 mho/m; εr = 53.715; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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=10mm, dy=10mm

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

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

Reference Value = 20.477 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.596 mW/g

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.329 mW/g
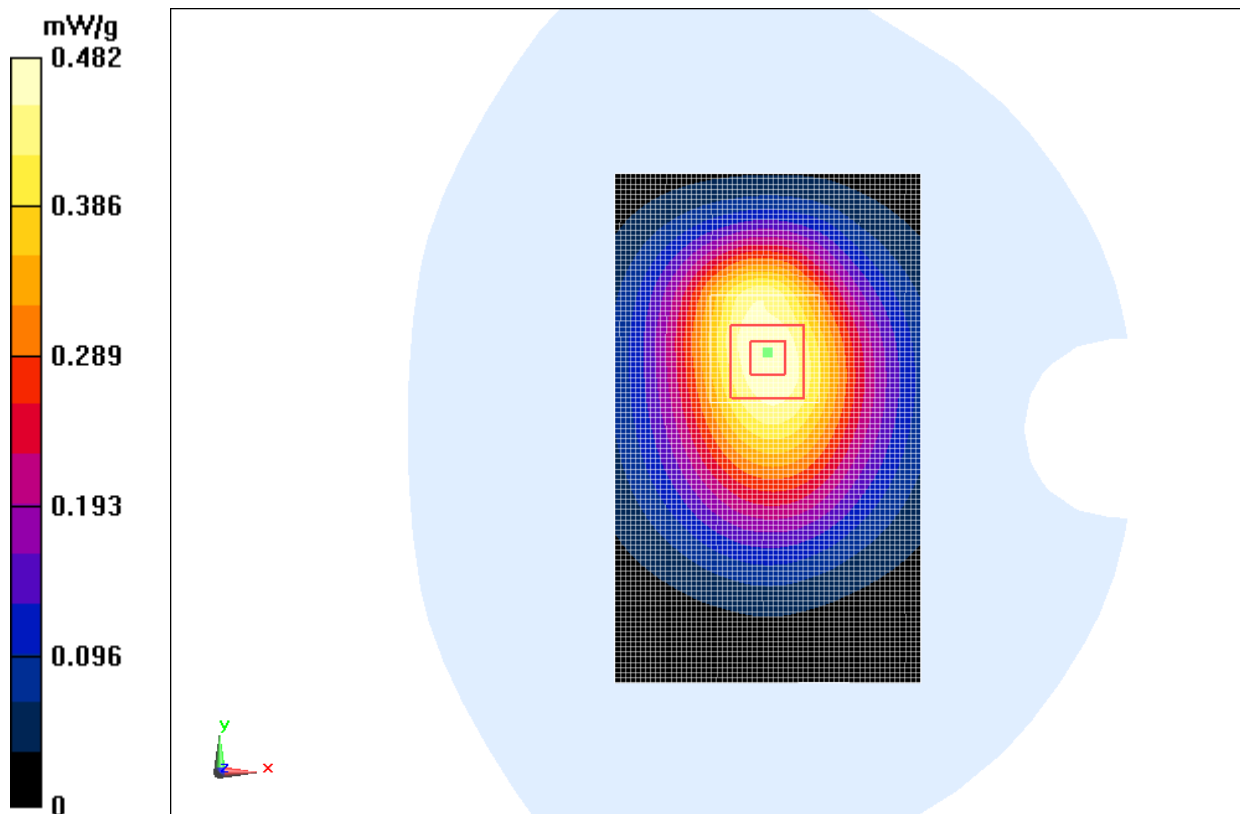
Maximum value of SAR (measured) = 0.482 mW/g

Fig. 64   WCDMA850 CH4233

WCDCMA 1900 Left Cheek High

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: f = 1907.6 MHz; σ = 1.385 mho/m; εr = 41.794; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.084 mW/g

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

Reference Value = 8.645 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.3980

SAR(1 g) = 0.949 mW/g; SAR(10 g) = 0.581 mW/g
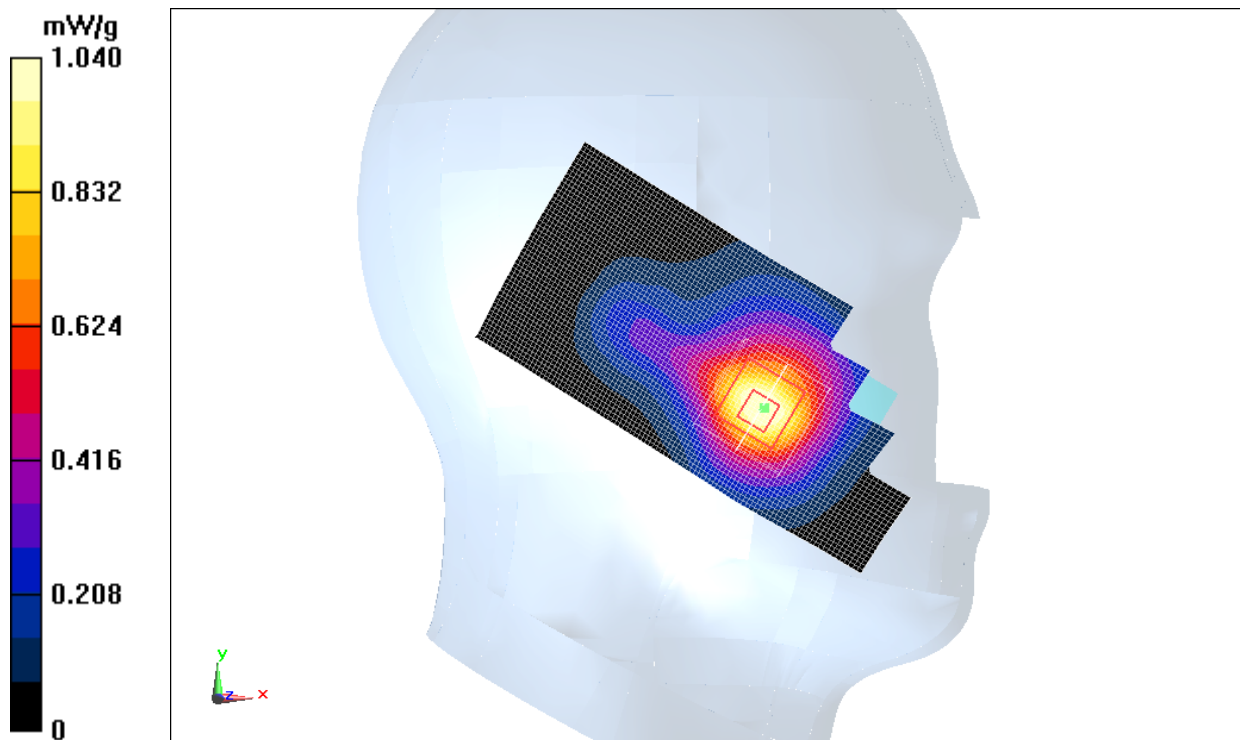
Maximum value of SAR (measured) = 1.040 mW/g

Fig. 65   WCDMA1900 CH9538

WCDCMA 1900 Left Cheek Middle

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head GSM1900

Medium parameters used: f = 1880 MHz; σ = 1.377 mho/m; εr = 41.898; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.017 mW/g

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

Reference Value = 9.984 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.3100

SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.558 mW/g
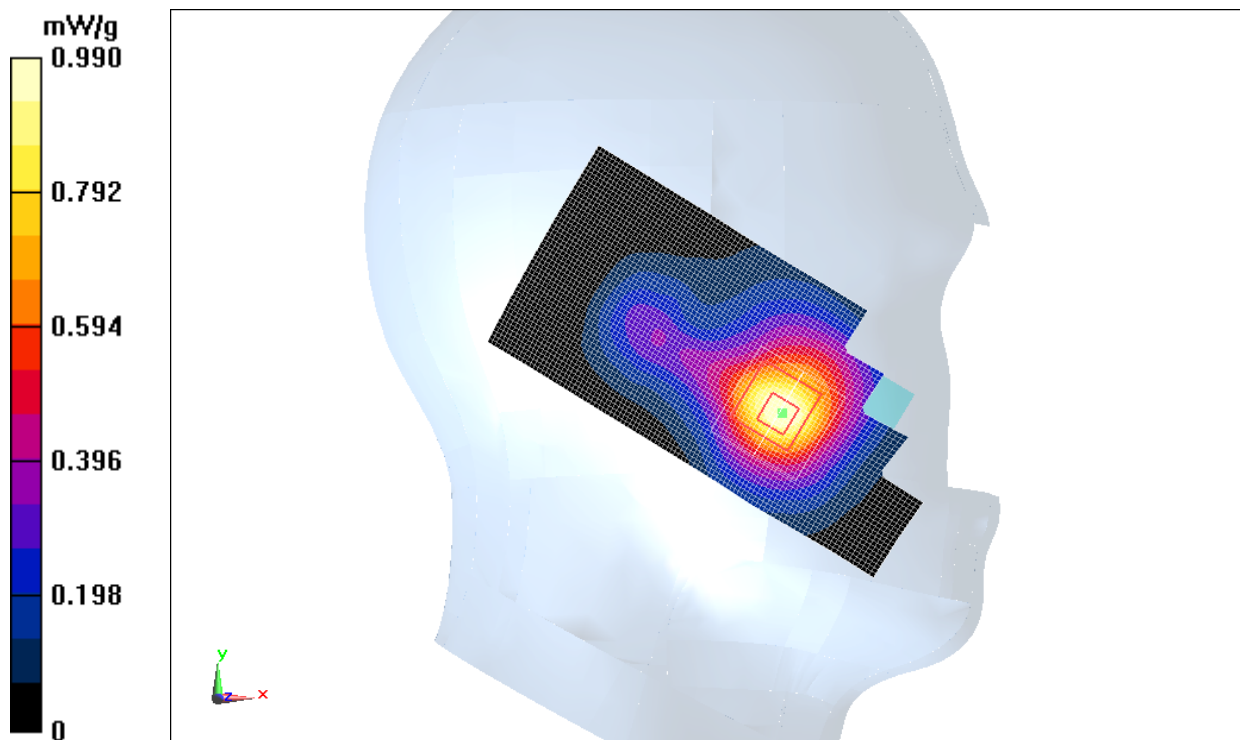
Maximum value of SAR (measured) = 0.990 mW/g

Fig. 66   WCDMA1900 CH9400

WCDCMA 1900 Left Cheek Low

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.349 mho/m; εr = 41.989; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.064 mW/g

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

Reference Value = 10.826 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.3580

SAR(1 g) = 0.940 mW/g; SAR(10 g) = 0.583 mW/g

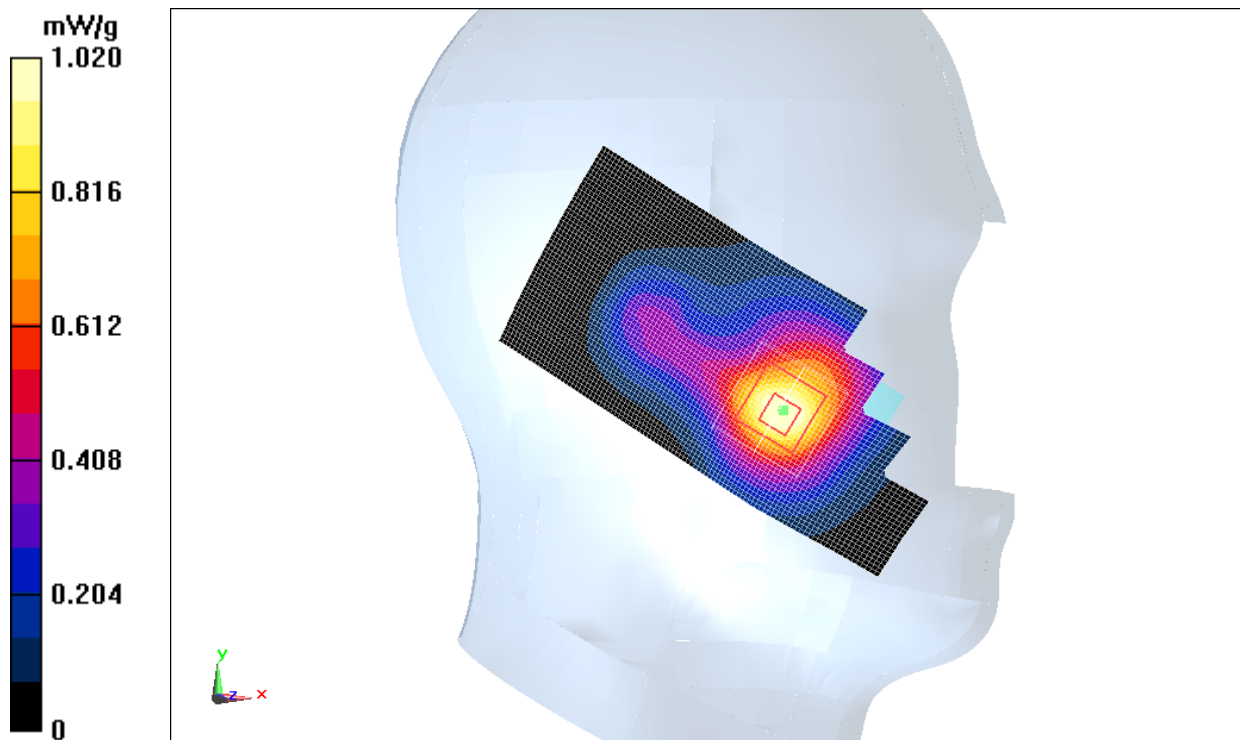Maximum value of SAR (measured) = 1.020 mW/g

Fig. 67   WCDMA1900 CH9262

WCDCMA 1900 Left Tilt High

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used:　f = 1907.6 MHz; σ = 1.385 mho/m; εr = 41.794; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C　　　Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 12.840 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.3980

SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.163 mW/g
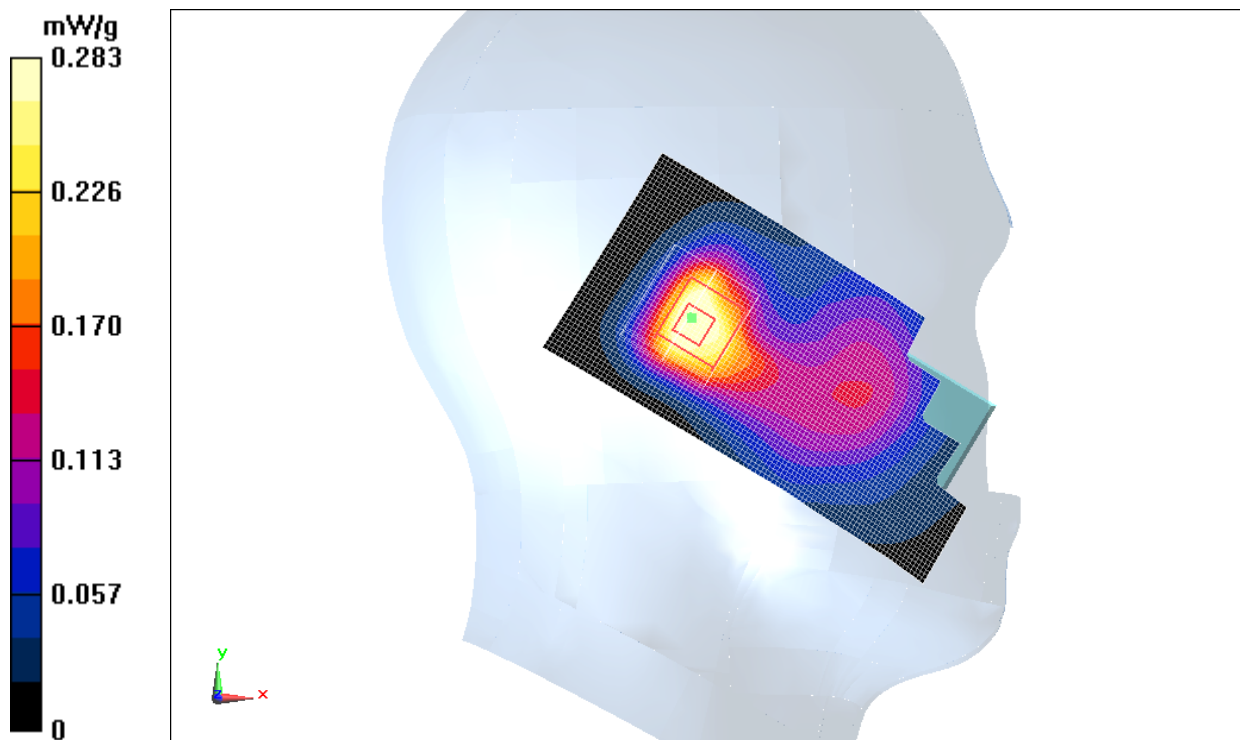
Maximum value of SAR (measured) = 0.283 mW/g

Fig. 68　WCDMA1900 CH9538

WCDCMA 1900 Left Tilt Middle

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: f = 1880 MHz; σ = 1.377 mho/m; εr = 41.898; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.461 mW/g

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

Reference Value = 15.185 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.5470

SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.223 mW/g
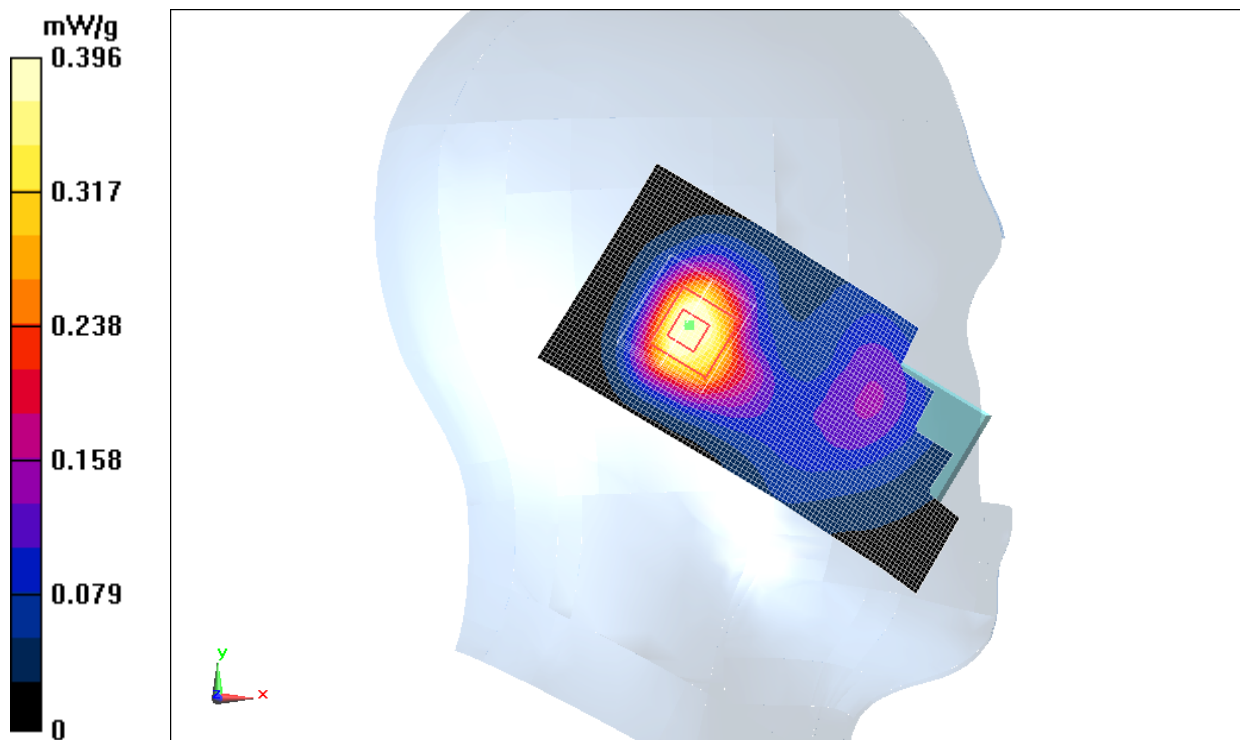
Maximum value of SAR (measured) = 0.396 mW/g

Fig. 69   WCDMA1900 CH9400

WCDCMA 1900 Left Tilt Low

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.349 mho/m; εr = 41.989; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.538 mW/g

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

Reference Value = 16.579 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.6160

SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.259 mW/g

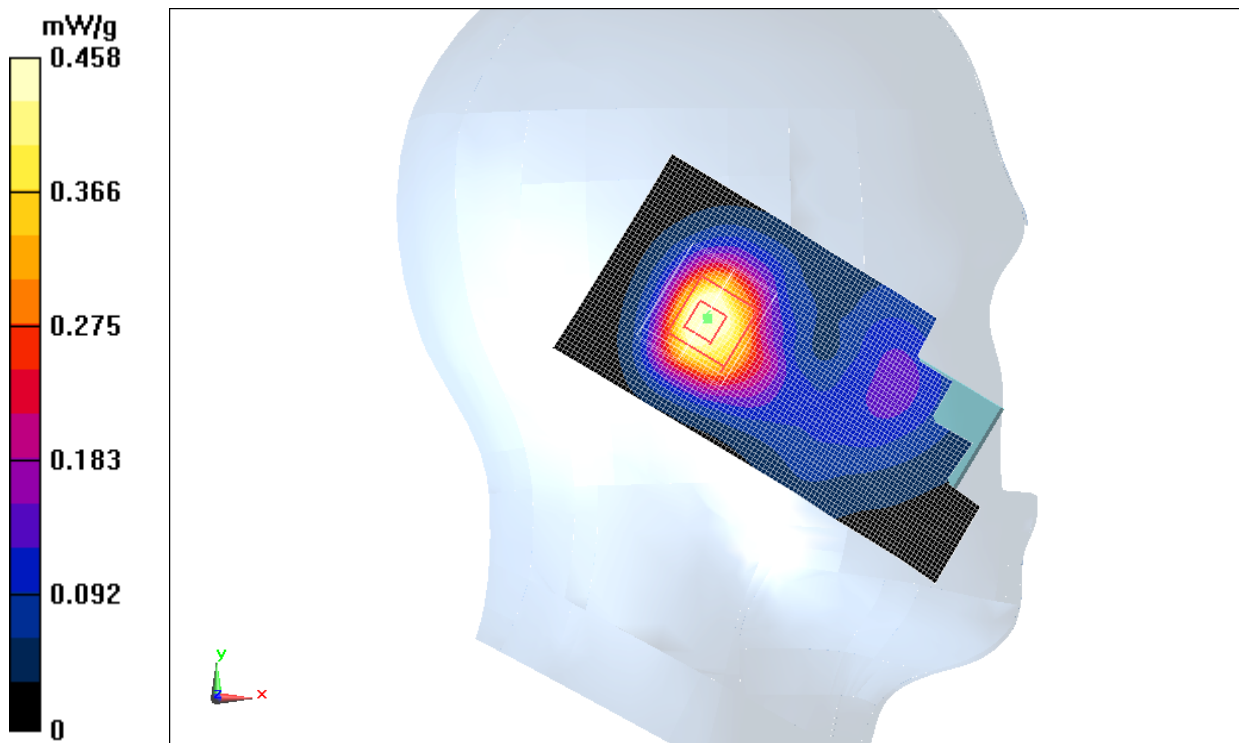Maximum value of SAR (measured) = 0.458 mW/g

Fig. 70   WCDMA1900 CH9262

WCDCMA 1900 Right Cheek High

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: f = 1907.6 MHz; σ = 1.385 mho/m; εr = 41.794; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.995 mW/g

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

Reference Value = 9.495 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.2410

SAR(1 g) = 0.886 mW/g; SAR(10 g) = 0.577 mW/g
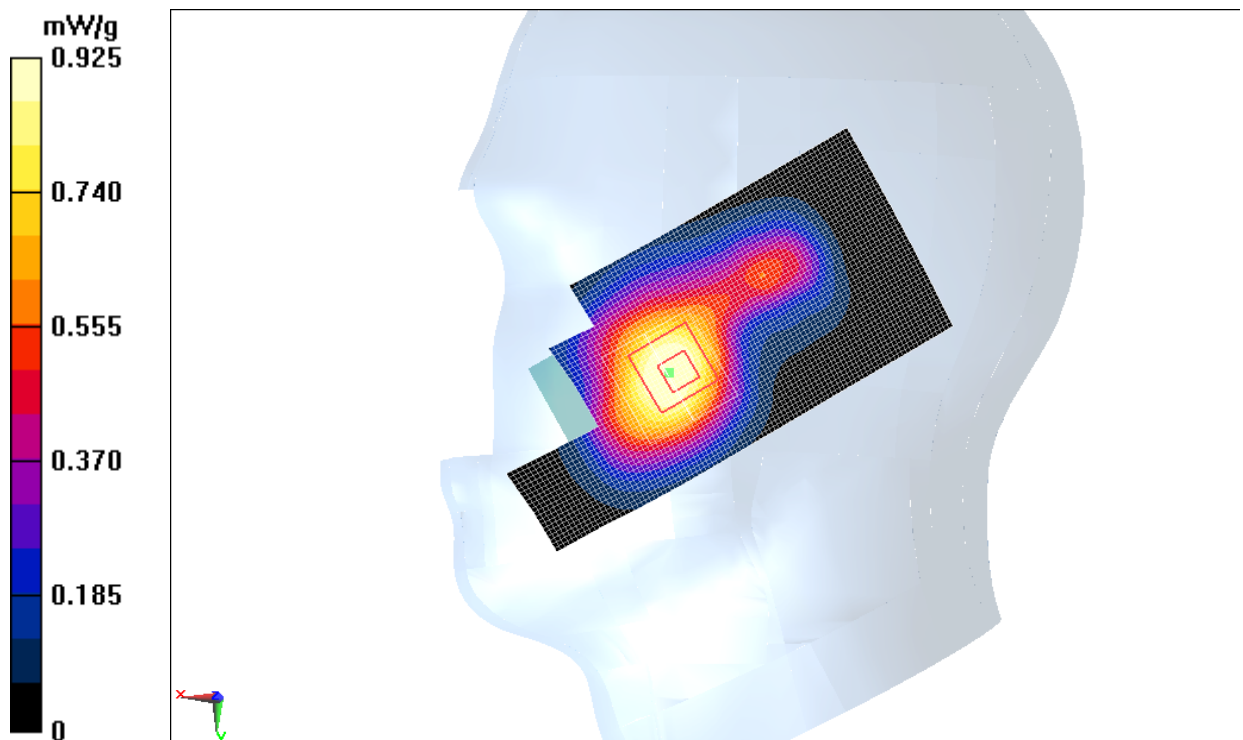
Maximum value of SAR (measured) = 0.925 mW/g

Fig. 71   WCDMA1900 CH9538

WCDCMA 1900 Right Cheek Middle

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: f = 1880 MHz; σ = 1.377 mho/m; εr = 41.898; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.025 mW/g

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

Reference Value = 10.485 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.3180

SAR(1 g) = 0.900 mW/g; SAR(10 g) = 0.577 mW/g
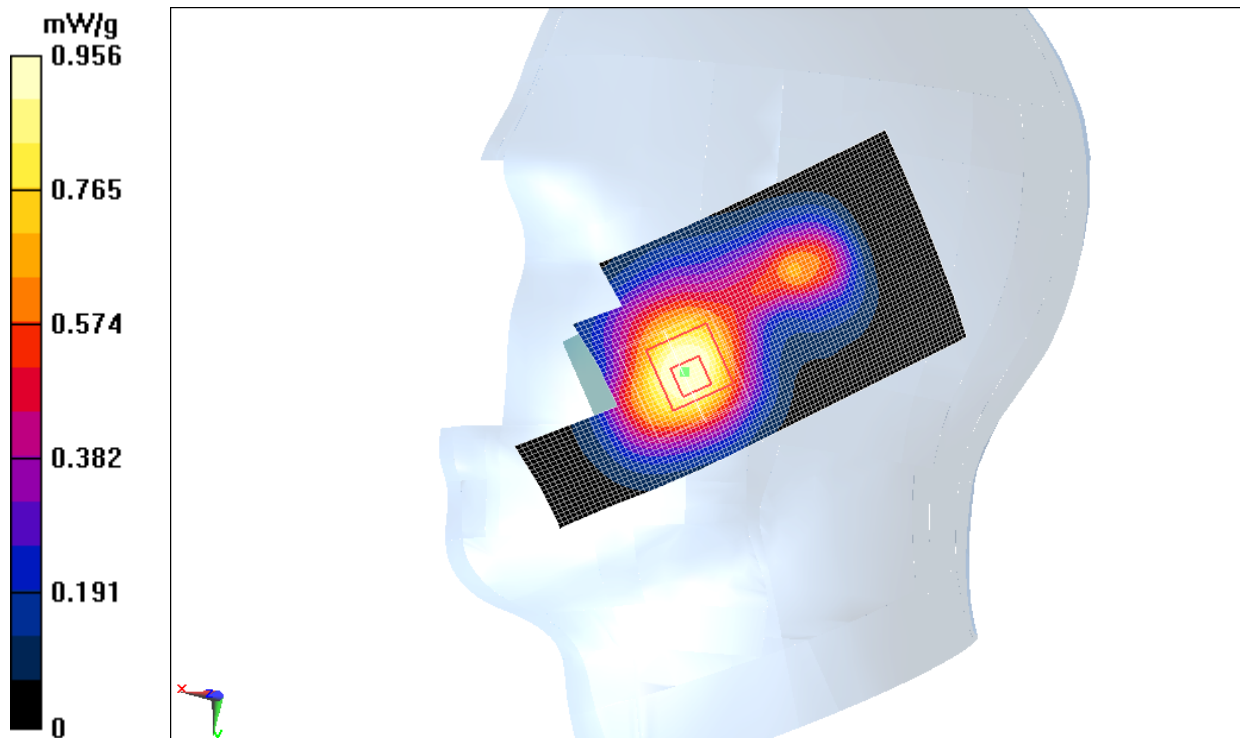
Maximum value of SAR (measured) = 0.956 mW/g

Fig. 72   WCDMA1900 CH9400

WCDCMA 1900 Right Cheek Low

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.349 mho/m; εr = 41.989; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.138 mW/g

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

Reference Value = 10.993 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.4890

SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.623 mW/g

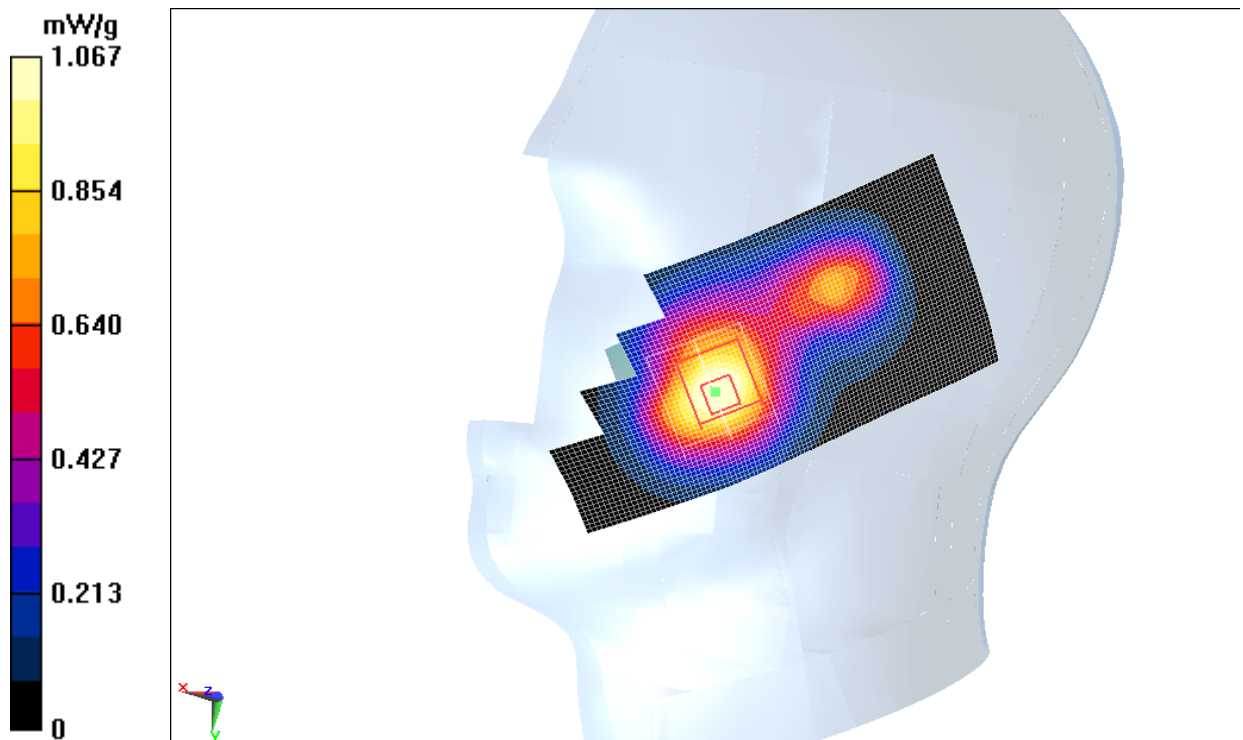Maximum value of SAR (measured) = 1.067 mW/g
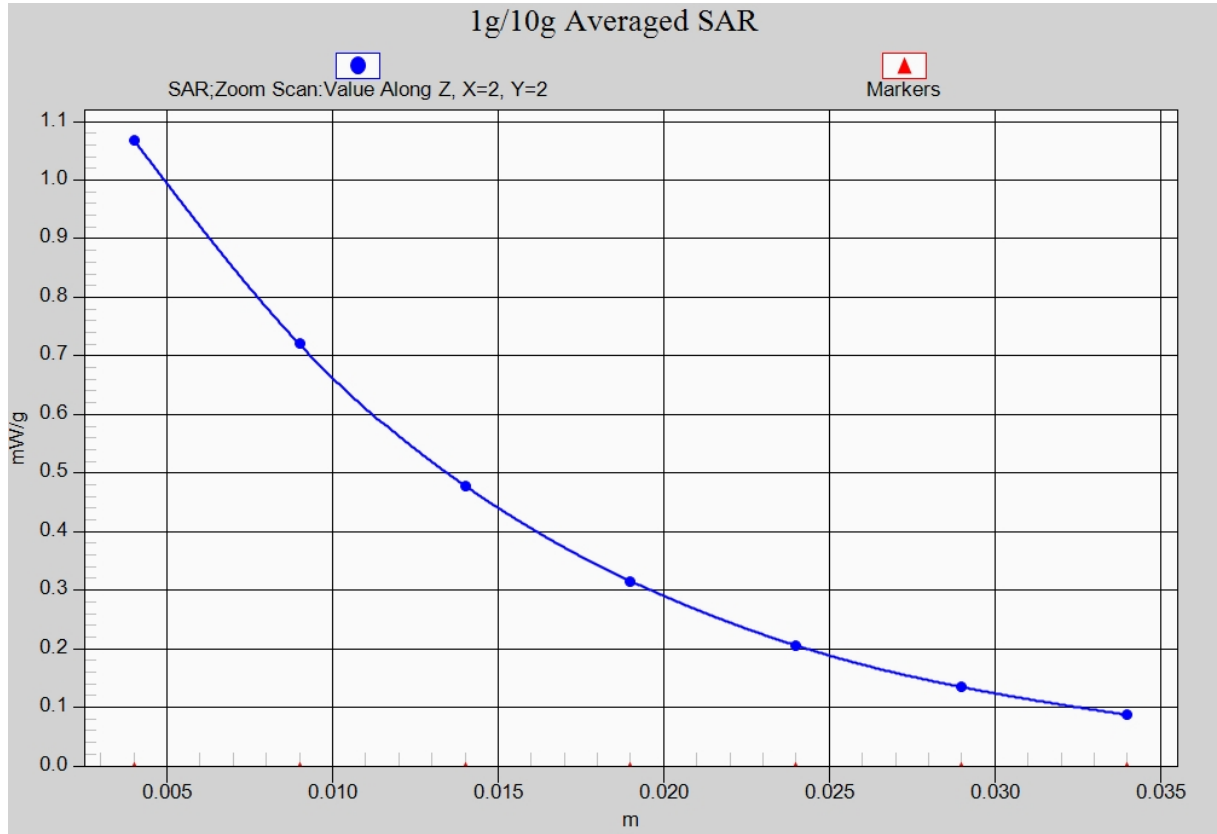

Fig. 73   WCDMA1900 CH9262

Fig. 73-1 Z-Scan at power reference point (WCDMA1900 CH9262)

WCDCMA 1900 Right Tilt High

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: f = 1907.6 MHz; σ = 1.385 mho/m; εr = 41.794; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 12.143 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.5580

SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.207 mW/g
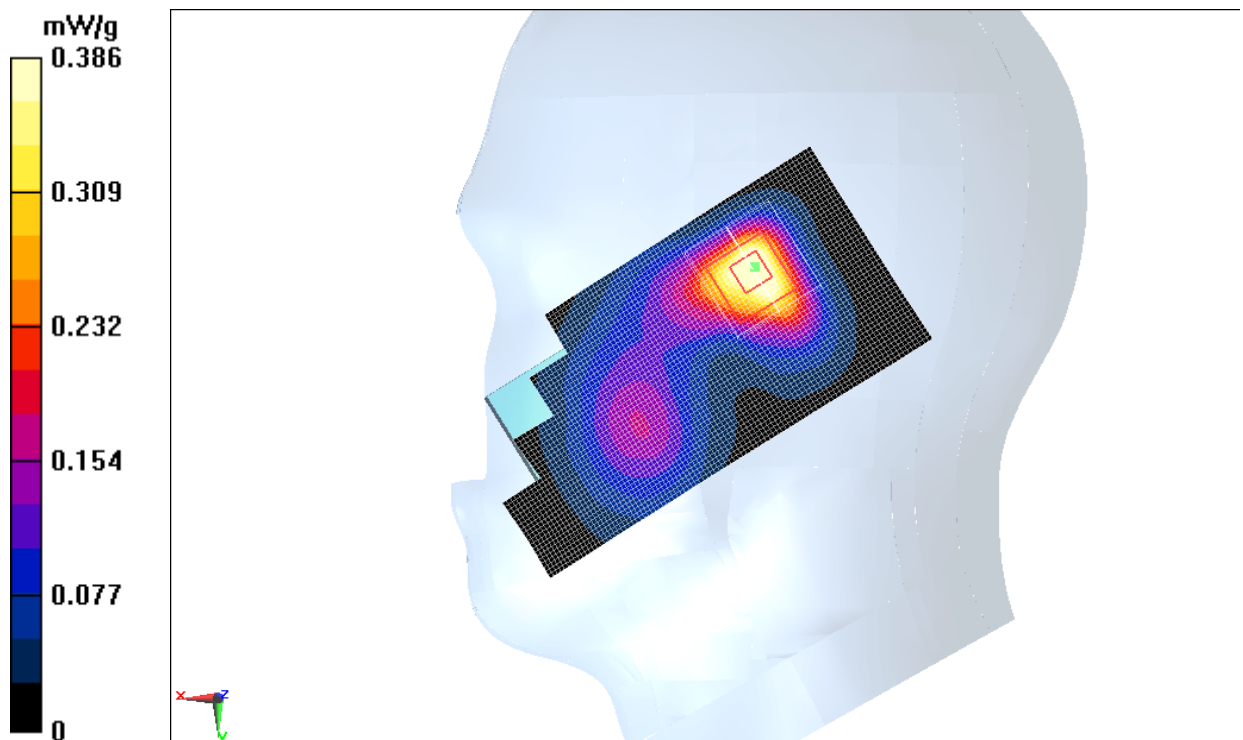
Maximum value of SAR (measured) = 0.386 mW/g

Fig. 74   WCDMA1900 CH9538

WCDCMA 1900 Right Tilt Middle

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used: f = 1880 MHz; σ = 1.377 mho/m; εr = 41.898; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.591 mW/g

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

Reference Value = 14.246 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.7210

SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.276 mW/g
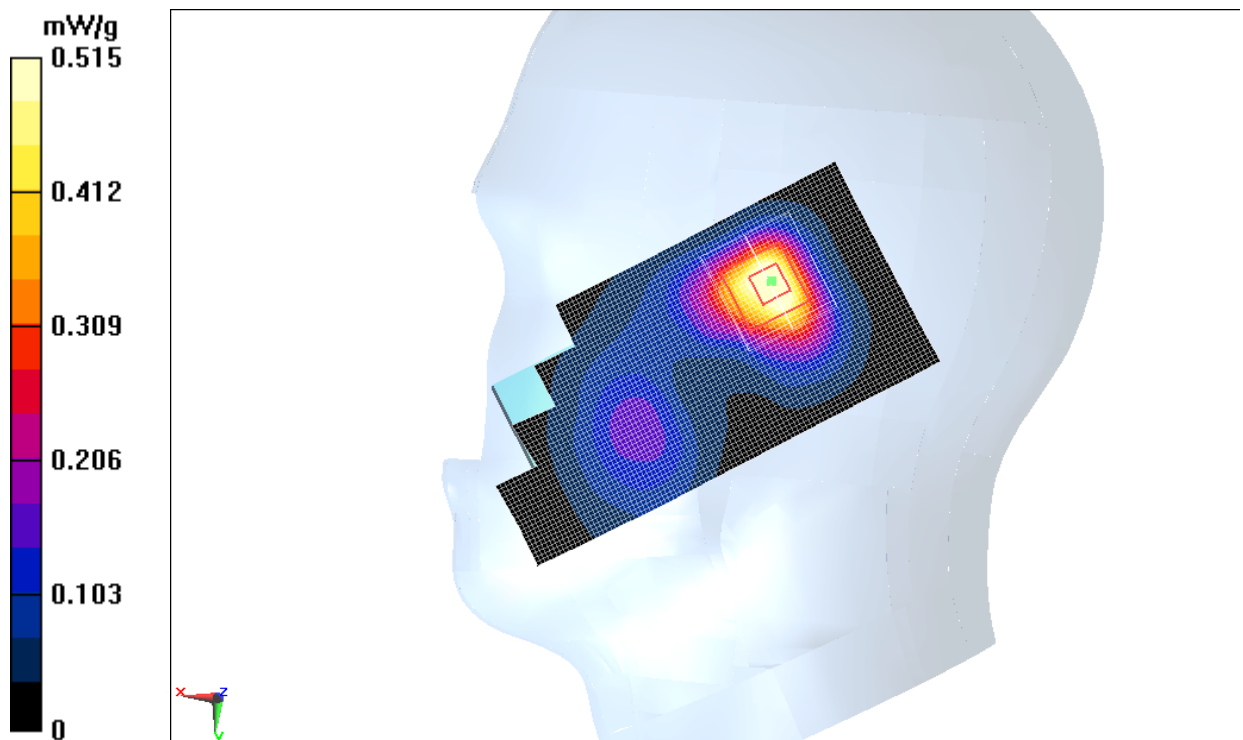
Maximum value of SAR (measured) = 0.515 mW/g

Fig. 75   WCDMA1900 CH9400

WCDCMA 1900 Right Tilt Low

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Head 1900 MHz

Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.349 mho/m; εr = 41.989; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}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 (51x101x1): Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 15.318 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.8470

SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.333 mW/g

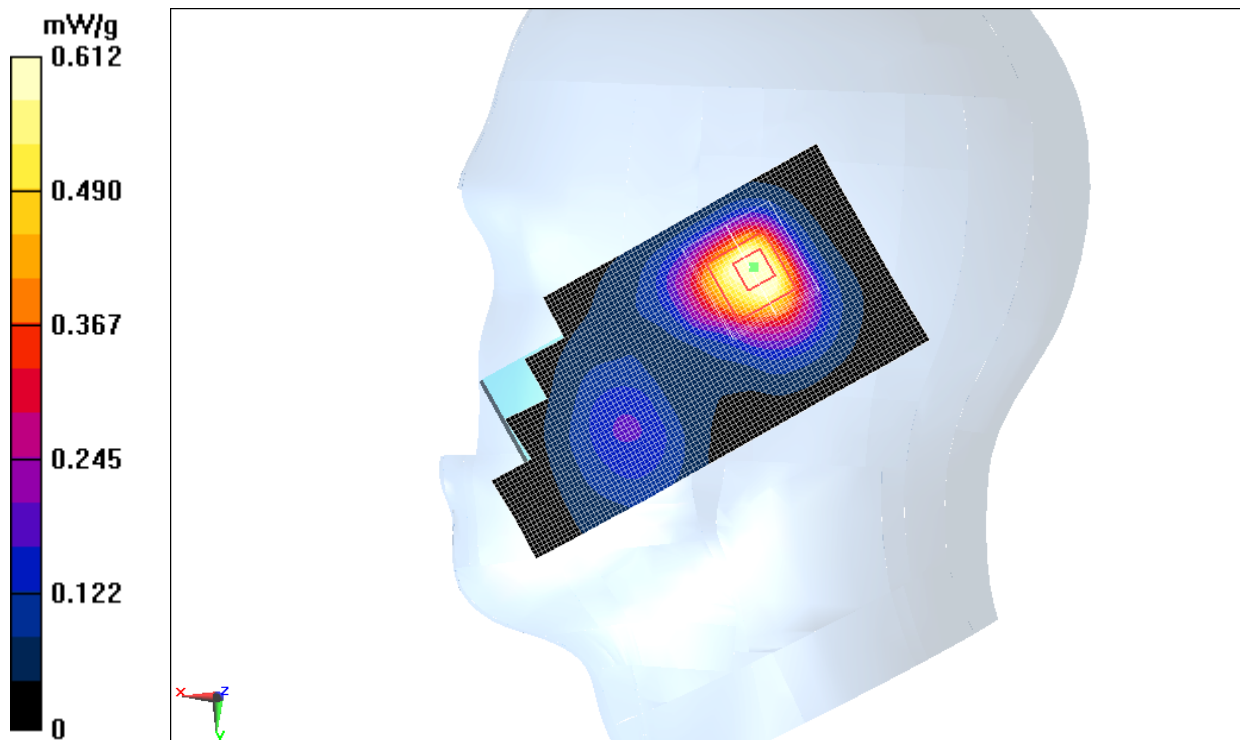Maximum value of SAR (measured) = 0.612 mW/g

Fig. 76   WCDMA1900 CH9262

WCDCMA 1900 Body Towards Ground High

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: f = 1907.6 MHz; σ = 1.508 mho/m; εr = 52.149; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}C

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

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

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

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

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

Reference Value = 15.921 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.212 mW/g

SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.518 mW/g
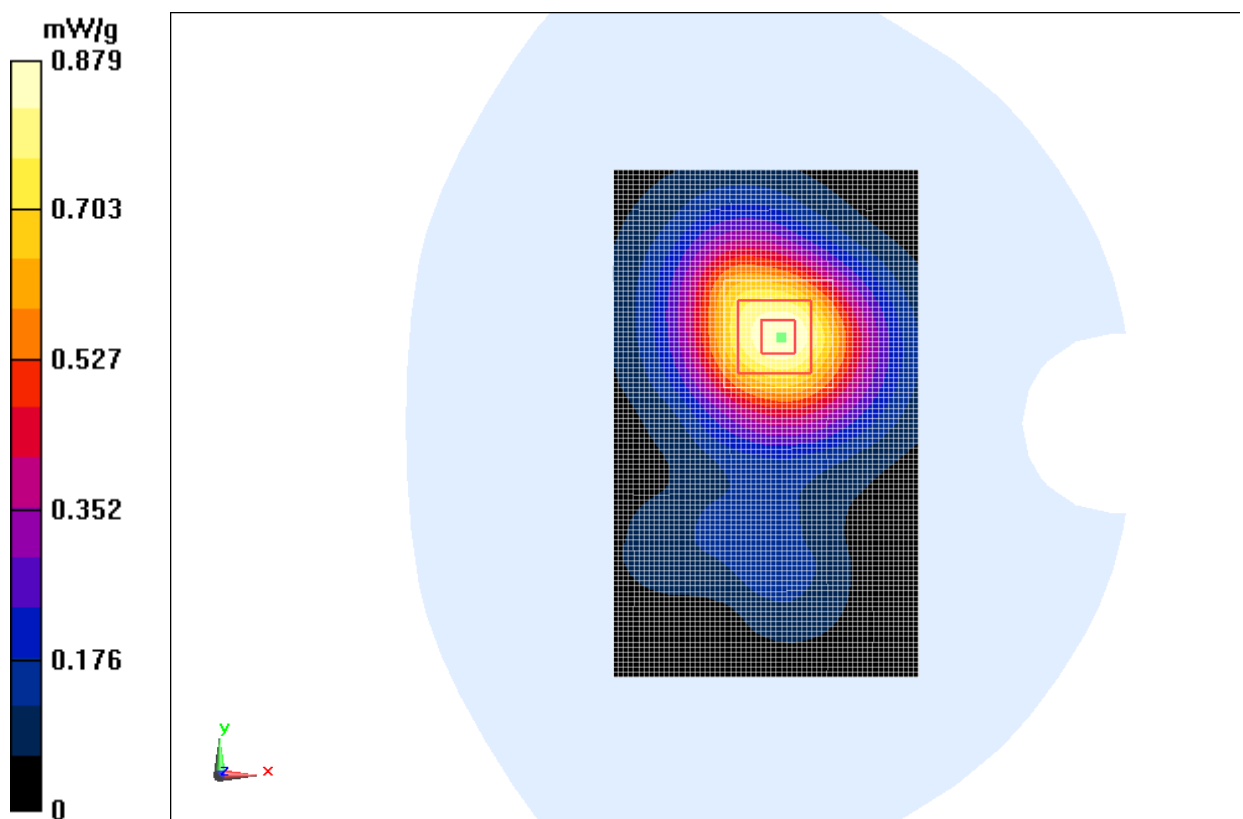
Maximum value of SAR (measured) = 0.879 mW/g

Fig. 77   WCDMA1900 CH9538

WCDCMA 1900 Body Towards Ground Middle

Date: 2012-7-3

Electronics: DAE4 Sn771

Medium: Body 1900 MHz

Medium parameters used: f = 1880 MHz; σ = 1.48 mho/m; εr = 52.263; ρ = 1000 kg/m^3

Ambient Temperature: 22.3^{o}C   Liquid Temperature: 21.7^{o}C

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

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

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

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

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

Reference Value = 15.528 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.523 mW/g

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.644 mW/g
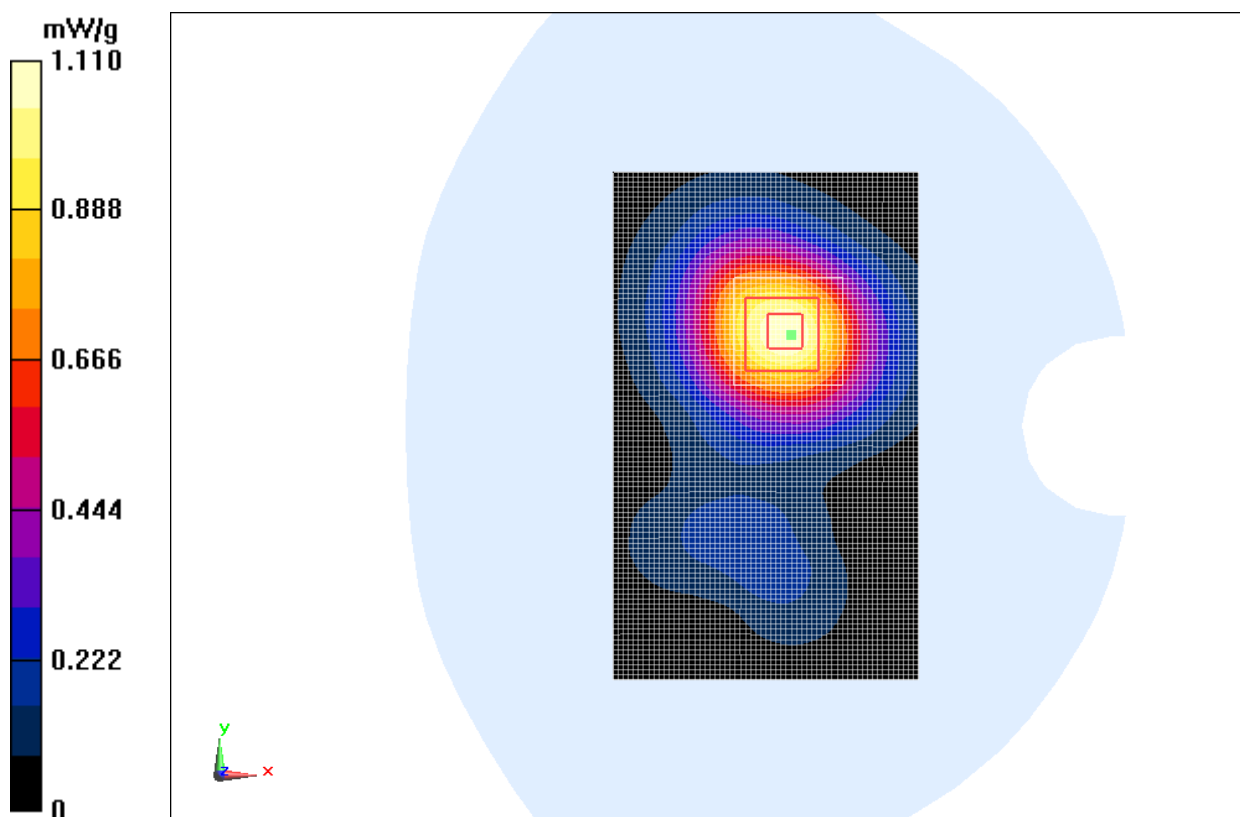
Maximum value of SAR (measured) = 1.11 mW/g

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