

Test Laboratory: Compliance Certification Services Inc.

## **D835V2-SN 499-Head**

### **DUT: Dipole 835 MHz; Type: D835V2; Serial: 499**

Communication System: CW 835; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.909$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### **DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.87 mW/g

**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.1 V/m; Power Drift = -0.023 dB

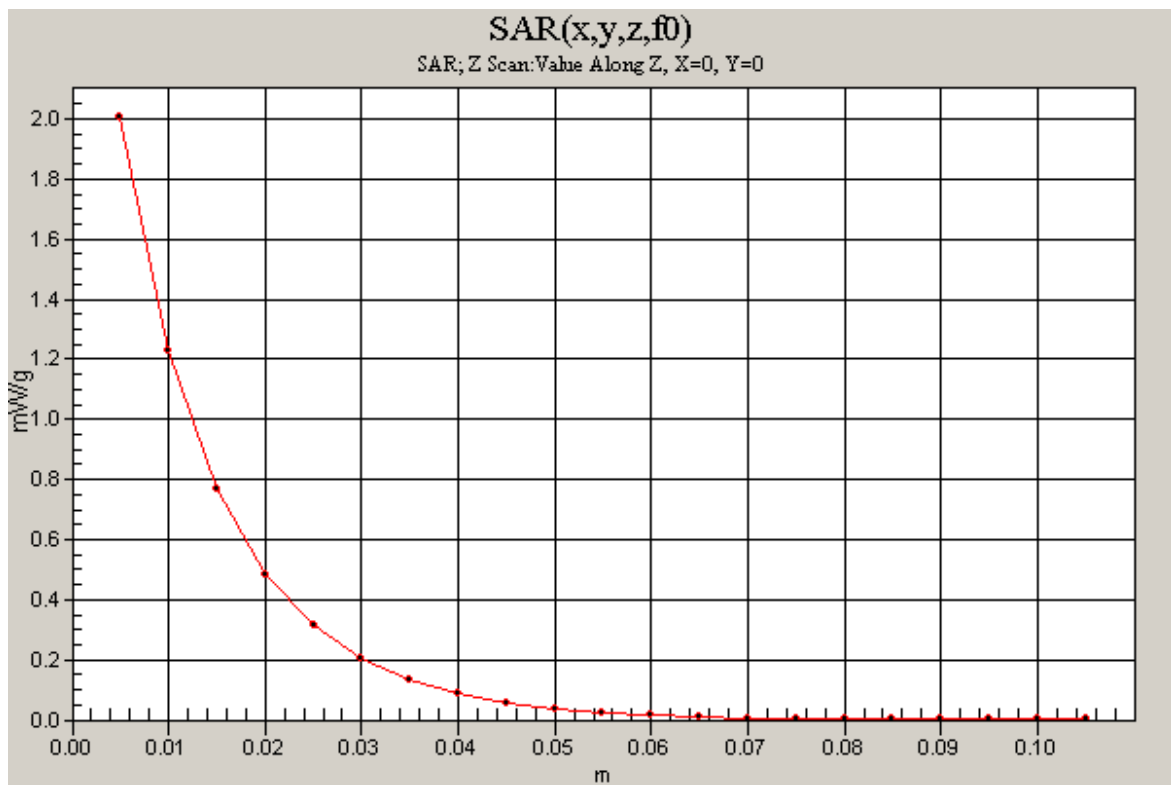
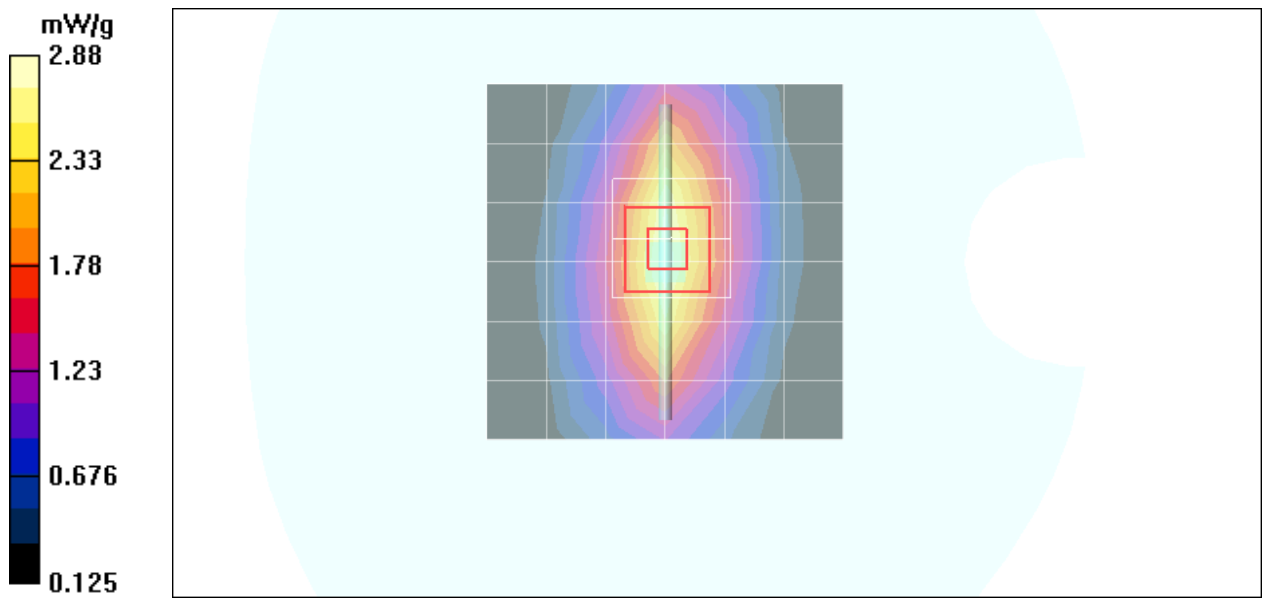
Peak SAR (extrapolated) = 3.70 W/kg

**SAR(1 g) = 2.27 mW/g; SAR(10 g) = 1.37 mW/g**

Maximum value of SAR (measured) = 2.88 mW/g

**d=10mm, Pin=250mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 2.01 mW/g



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## **D835V2-SN 499-Body**

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 499**

Communication System: CW 835; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.77, 7.77, 7.77);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.06 mW/g

**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.9 V/m; Power Drift = -0.032 dB

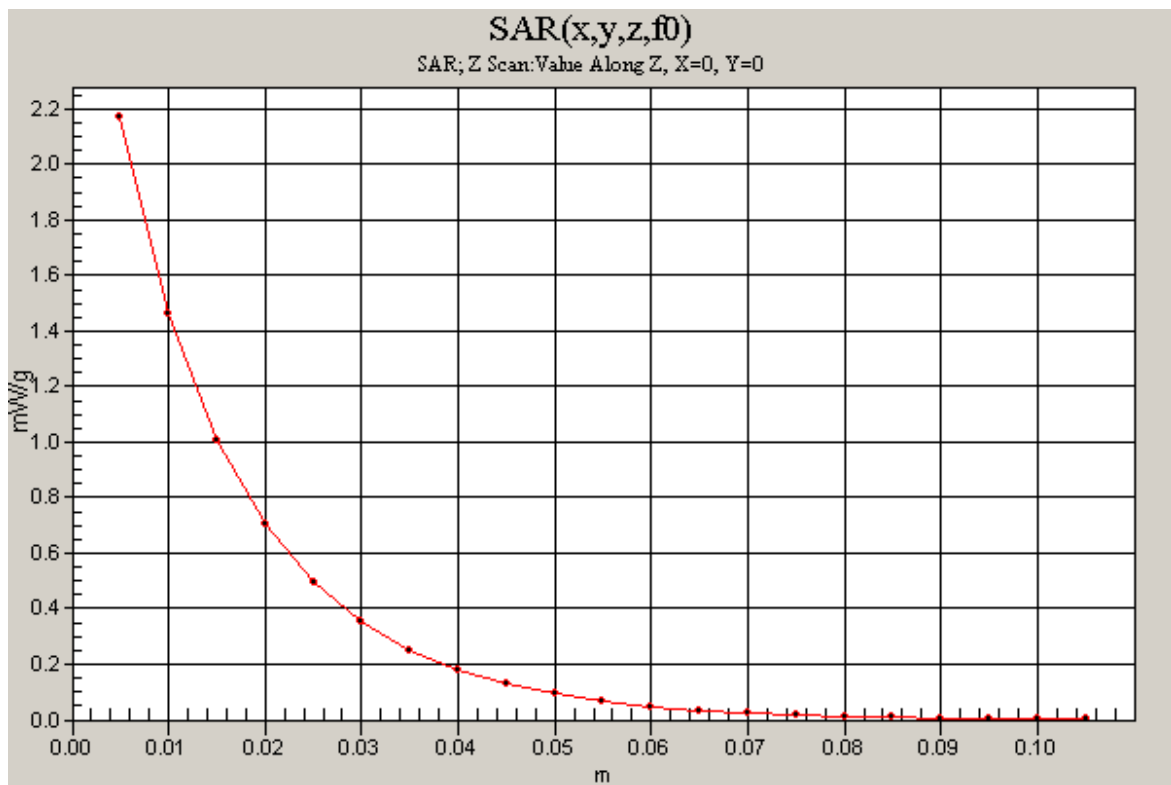
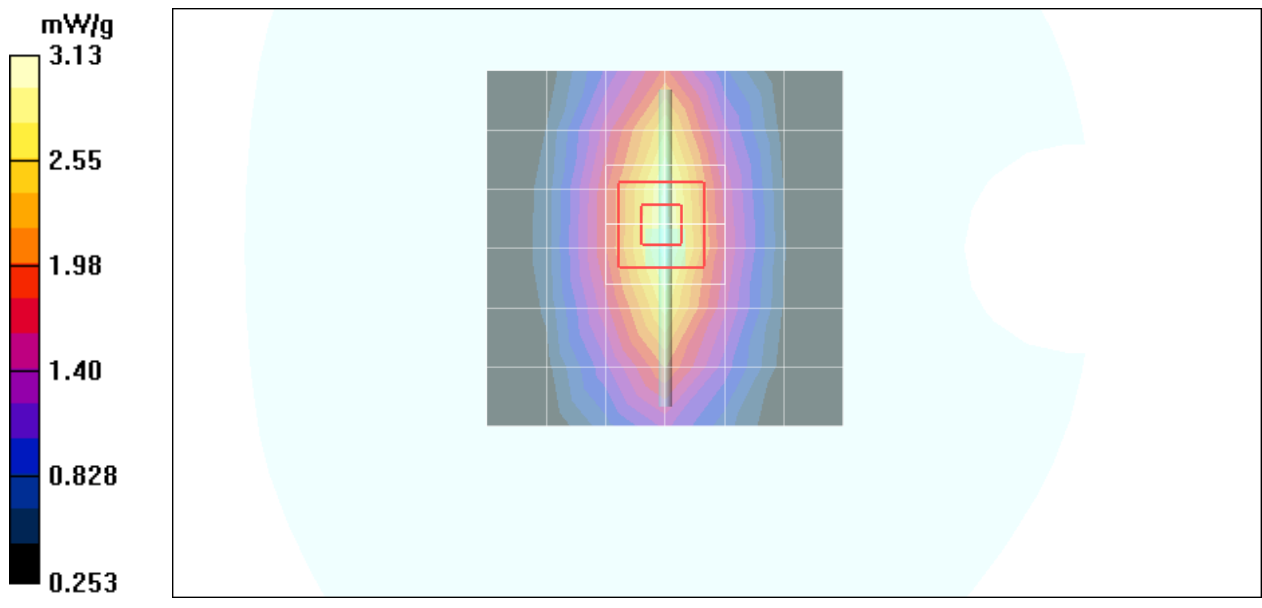
Peak SAR (extrapolated) = 3.83 W/kg

**SAR(1 g) = 2.52 mW/g; SAR(10 g) = 1.65 mW/g**

Maximum value of SAR (measured) = 3.13 mW/g

**d=10mm, Pin=250mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 2.17 mW/g



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## **D1900V2 SN-5d018 Head**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d018**

Communication System: CW1900; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.44$  mho/m;  $\epsilon_r = 40.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Pin=250mW,d=10mm/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.15 mW/g

**Pin=250mW,d=10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 85.2 V/m; Power Drift = -0.050 dB

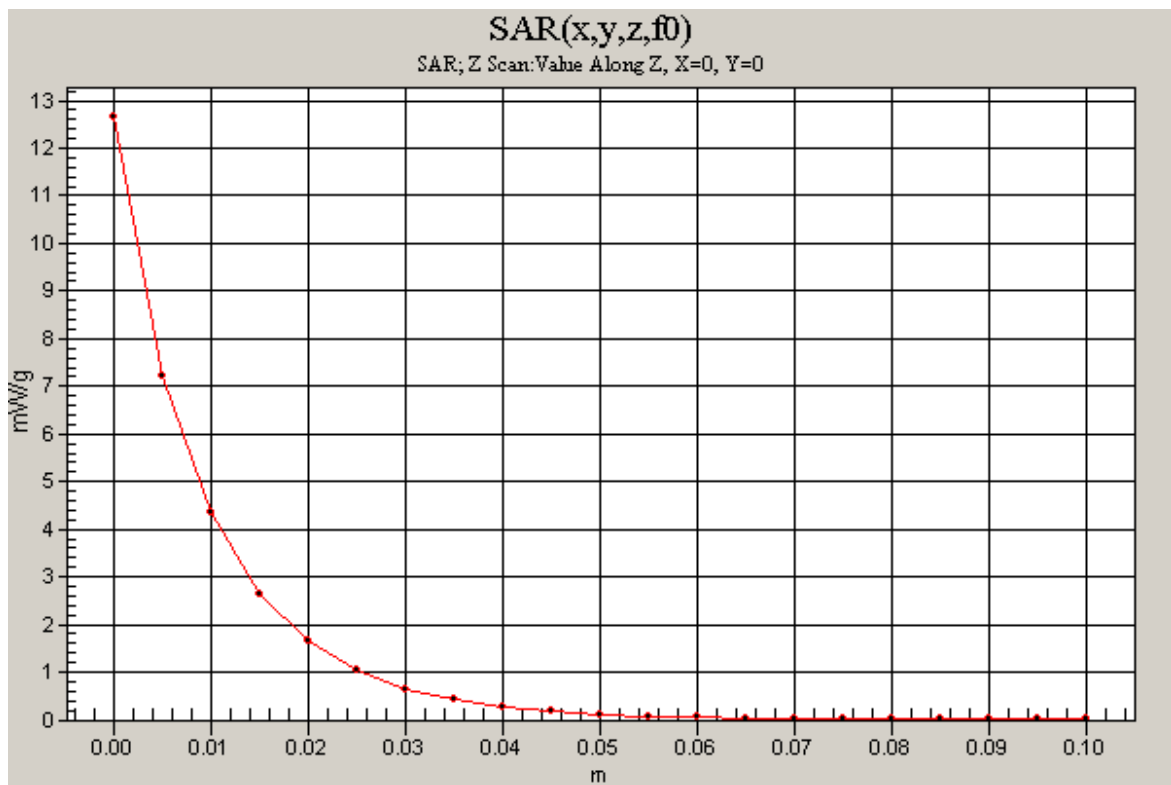
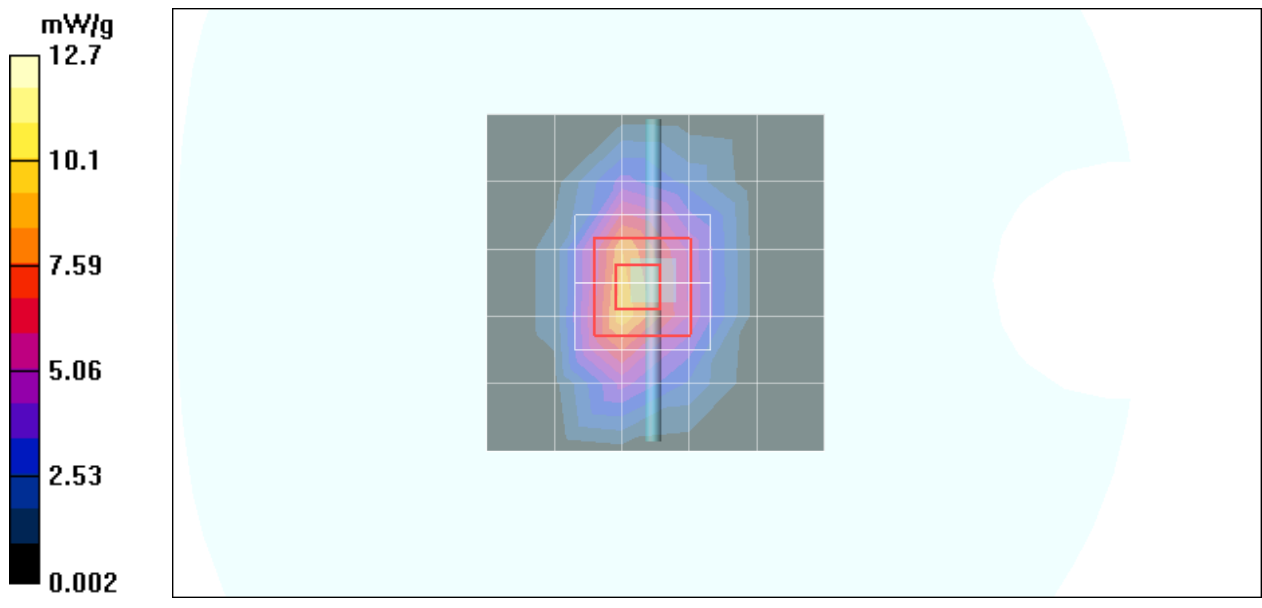
Peak SAR (extrapolated) = 17.6 W/kg

**SAR(1 g) = 9.7 mW/g; SAR(10 g) = 5.09 mW/g**

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

**Pin=250mW,d=10mm 3/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 12.7 mW/g



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## **D1900V2 SN-5d018 Body**

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d018**

Communication System: CW1900; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.4 deg C; Liquid Temperature: 23.4 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.31, 6.31, 6.31);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Pin=250mW,d=10mm/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.42 mW/g

**Pin=250mW,d=10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.6 V/m; Power Drift = 0.072 dB

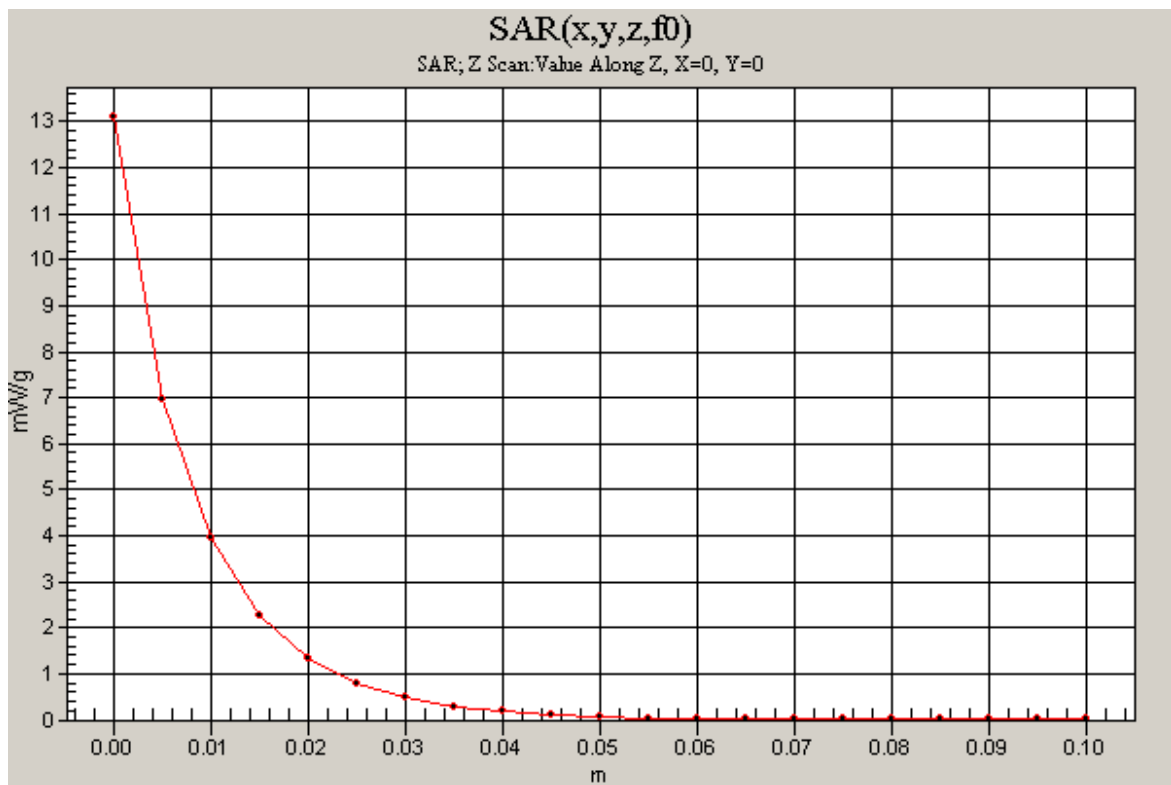
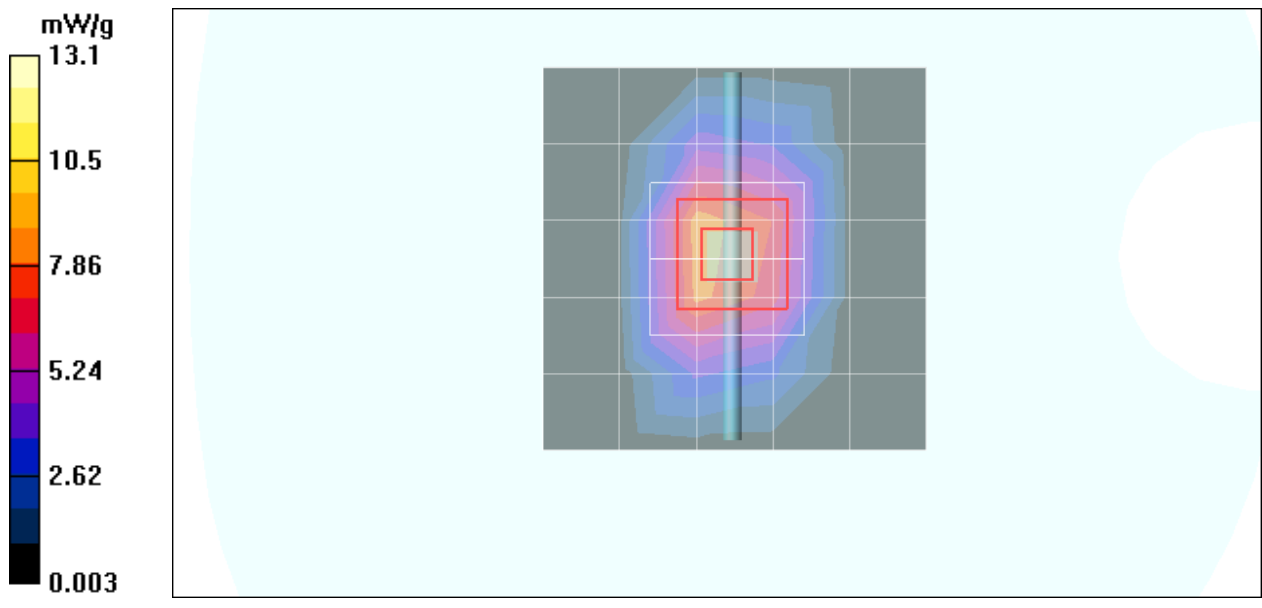
Peak SAR (extrapolated) = 17.6 W/kg

**SAR(1 g) = 9.39 mW/g; SAR(10 g) = 4.75 mW/g**

Maximum value of SAR (measured) = 12.8 mW/g

**Pin=250mW,d=10mm/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 13.1 mW/g





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## **D2450V2 SN-728 Head**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:728**

Communication System: CW2450; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.81$  mho/m;  $\epsilon_r = 40.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.25, 6.25, 6.25);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Pin=250mW,d=10mm/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 12.1 mW/g

**Pin=250mW,d=10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.2 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 26.9 W/kg

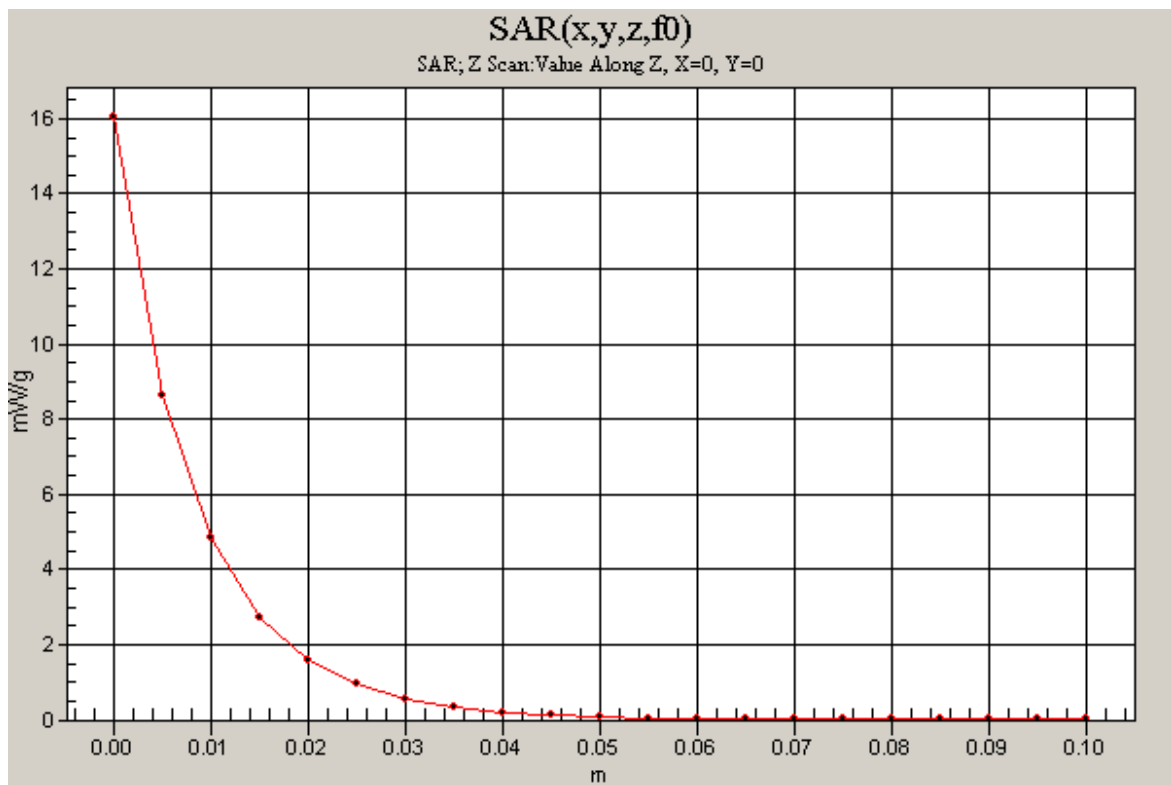
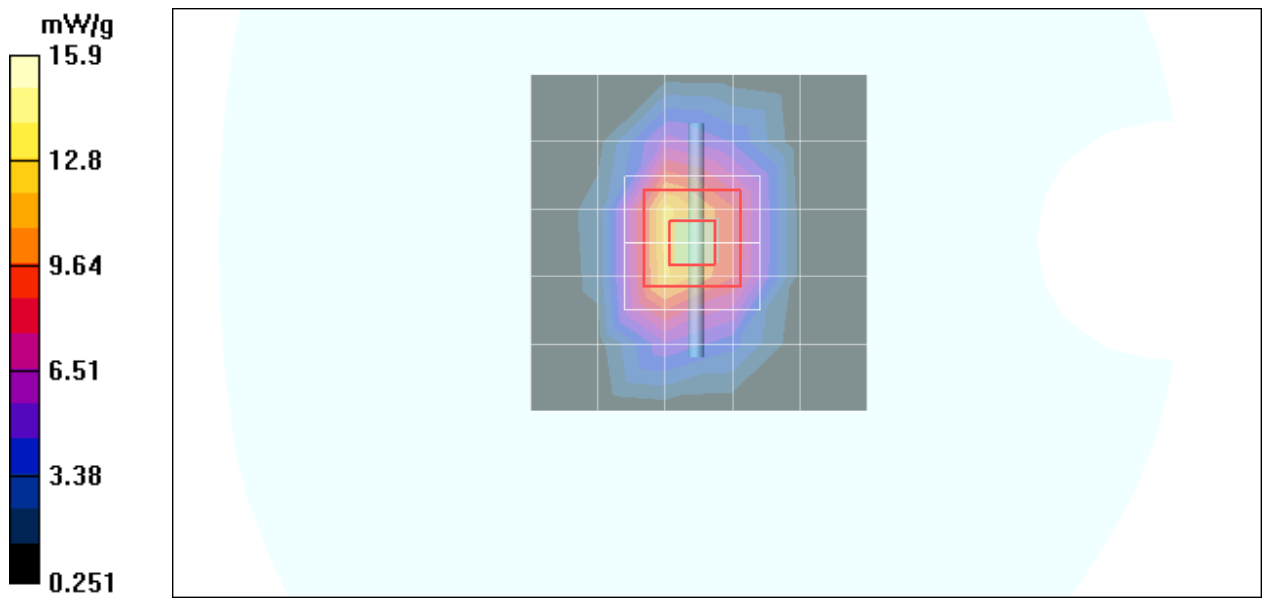
**SAR(1 g) = 14.2 mW/g; SAR(10 g) = 7.25 mW/g**

Maximum value of SAR (measured) = 15.9 mW/g

**Pin=250mW,d=10mm/Z Scan (1x1x21):** Measurement grid: dx=20mm,

dy=20mm, dz=5mm

Maximum value of SAR (measured) = 16.0 mW/g



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## **D2450V2 SN-728 Body**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:728**

Communication System: CW2450; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.3 deg C; Liquid Temperature: 23.3 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(5.93, 5.93, 5.93);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Pin=250mW,d=10mm/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 14.2 mW/g

**Pin=250mW,d=10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.8 V/m; Power Drift = -0.034 dB

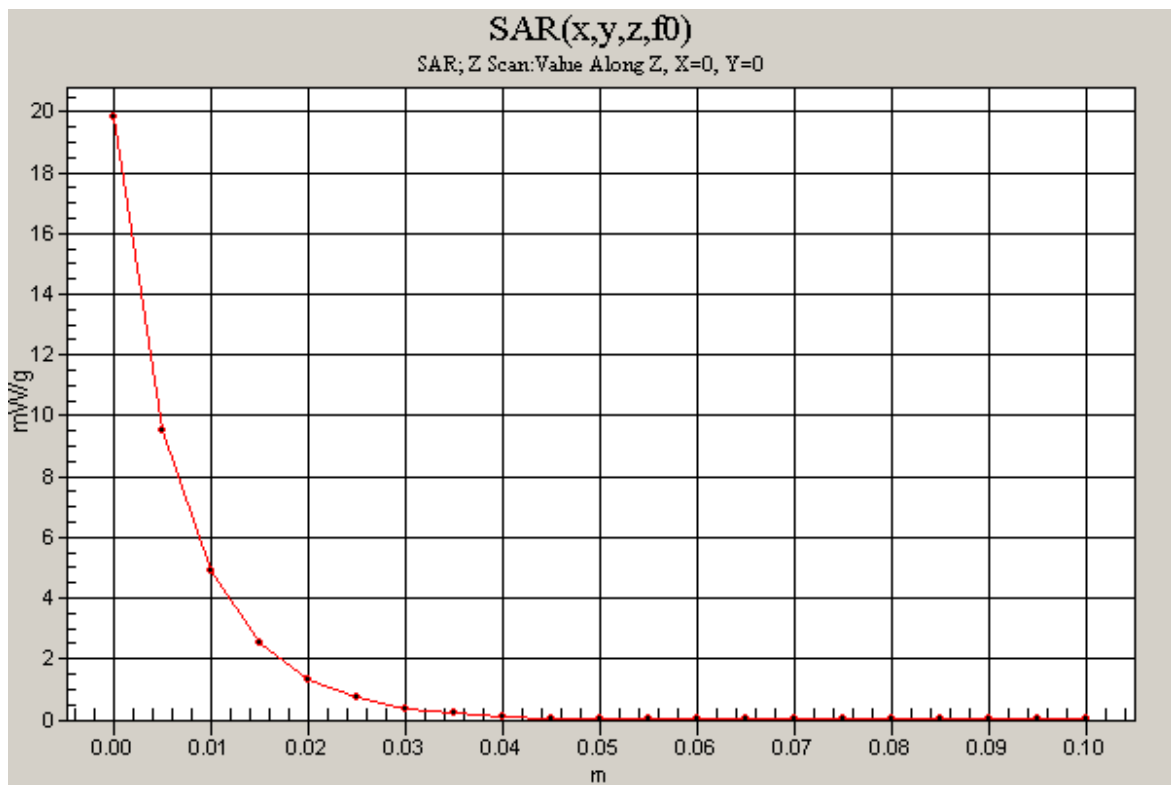
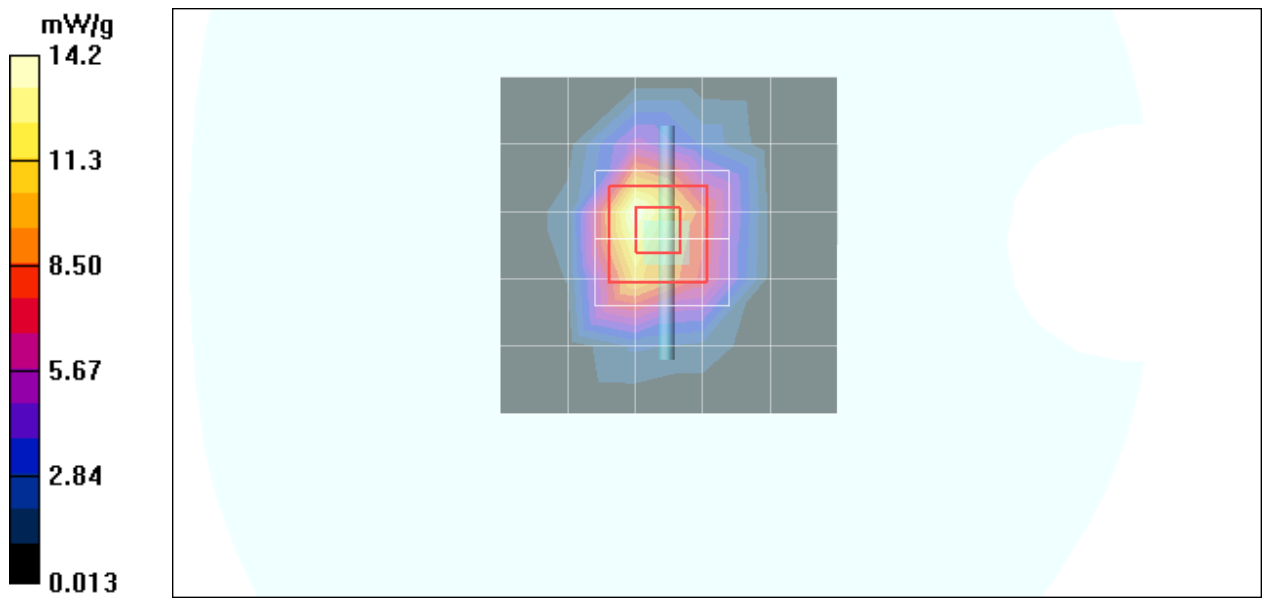
Peak SAR (extrapolated) = 28.0 W/kg

**SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.19 mW/g**

Maximum value of SAR (measured) = 19.2 mW/g

**Pin=250mW,d=10mm 2/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 19.8 mW/g



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## **GSM 835 -Left Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### **DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **Left Cheek Middle CH190/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

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

### **Left Cheek Middle CH190/Zoom Scan (7x7x9)/Cube 0:** Measurement

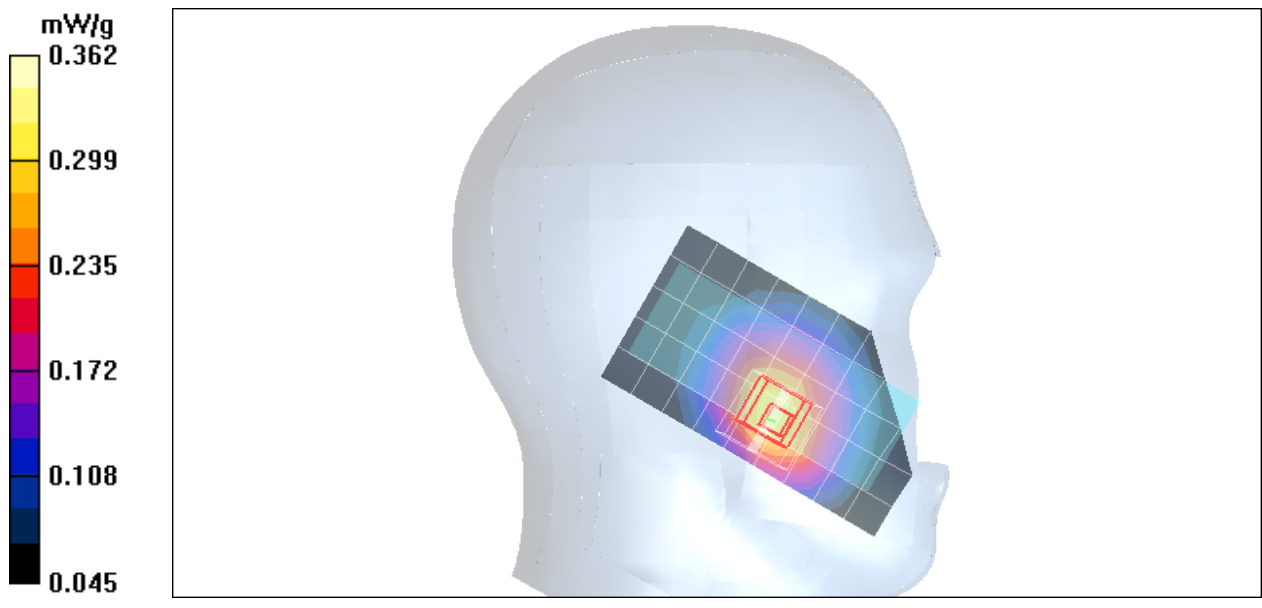
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 7.18 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 0.366 W/kg

**SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.192 mW/g**

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



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## **GSM 835 -Left Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Tilted Middle CH190/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.237 mW/g

**Left Tilted Middle CH190/Zoom Scan (7x7x9)/Cube 0:** Measurement

grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 15.7 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.410 W/kg

**SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.108 mW/g**

Maximum value of SAR (measured) = 0.244 mW/g

**Left Tilted Middle CH190/Zoom Scan (7x7x9)/Cube 1:** Measurement

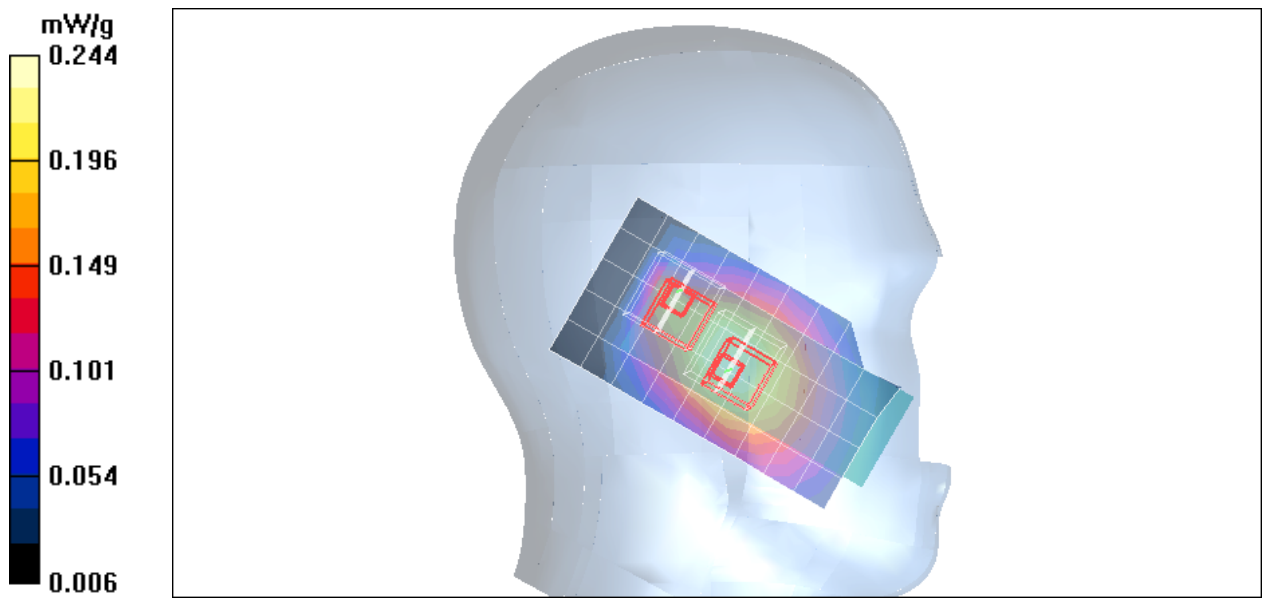
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 15.7 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.677 W/kg

**SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.121 mW/g**

Maximum value of SAR (measured) = 0.230 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **GSM 835 -Right Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Cheek Middle CH190/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

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

**Right Cheek Middle CH190/Zoom Scan (7x7x9)/Cube 0:** Measurement

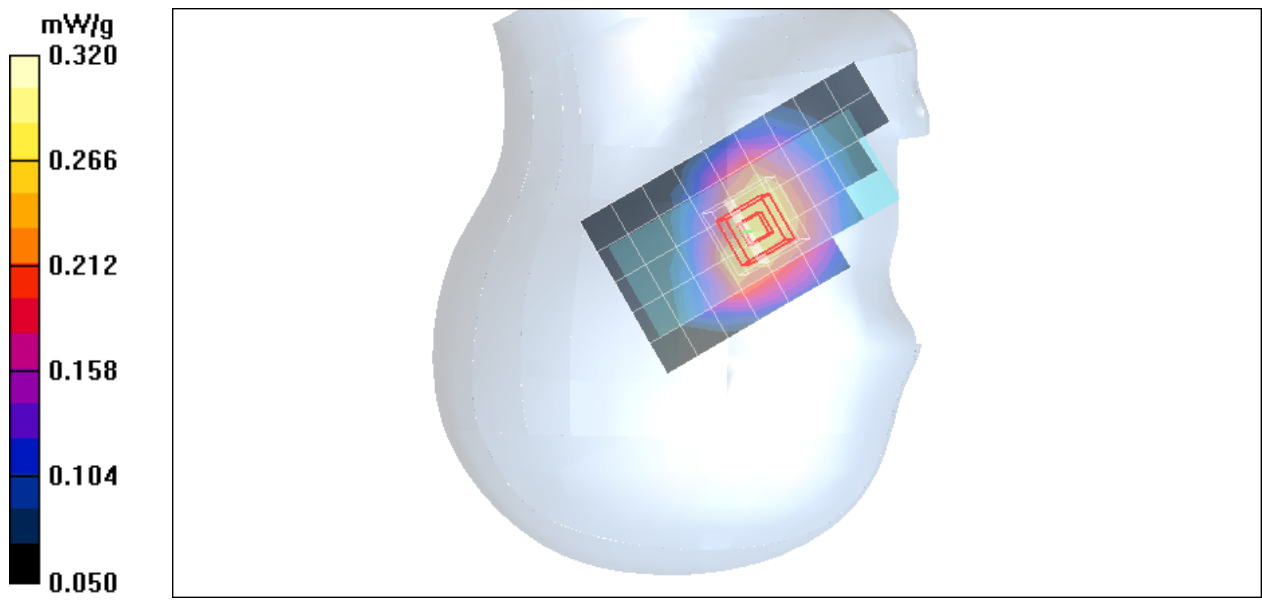
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 6.52 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.290 W/kg

**SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.173 mW/g**

Maximum value of SAR (measured) = 0.260 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 835 -Right Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Tilted Middle CH190/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.225 mW/g

**Right Tilted Middle CH190/Zoom Scan (7x7x9)/Cube 0:** Measurement

grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 13.3 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.409 W/kg

**SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.112 mW/g**

Maximum value of SAR (measured) = 0.222 mW/g

**Right Tilted Middle CH190/Zoom Scan (7x7x9)/Cube 1:** Measurement

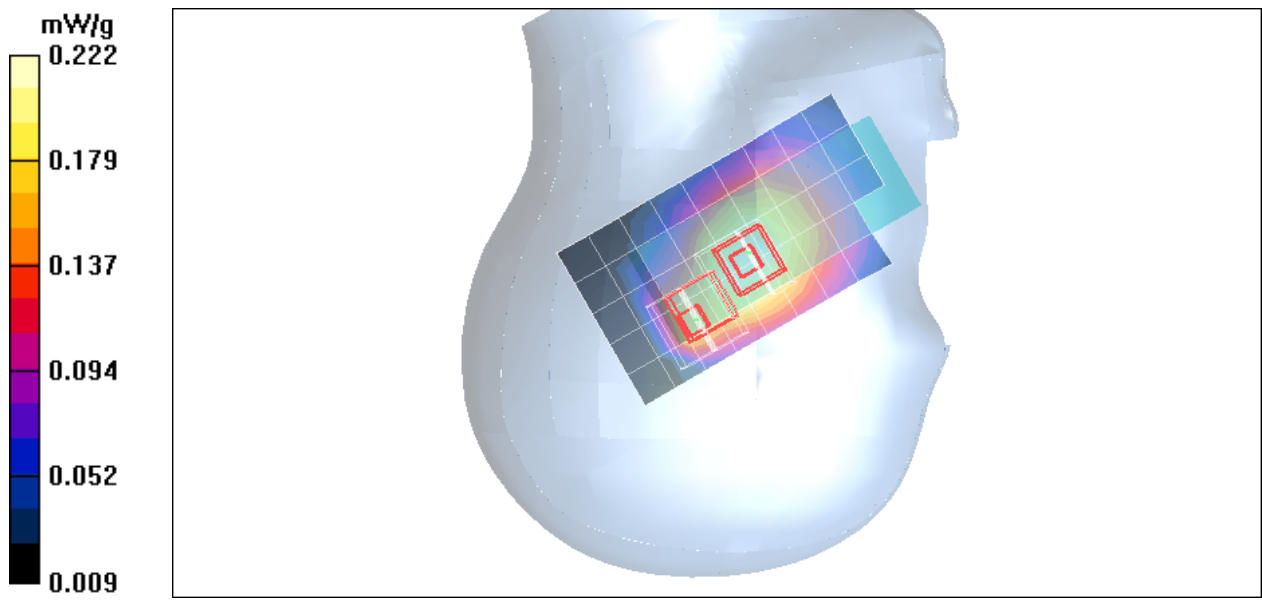
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 13.3 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.150 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Left Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### **DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **Left Cheek Middle CH661/Area Scan (6x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.479 mW/g

### **Left Cheek Middle CH661/Zoom Scan (7x7x9)/Cube 0:** Measurement

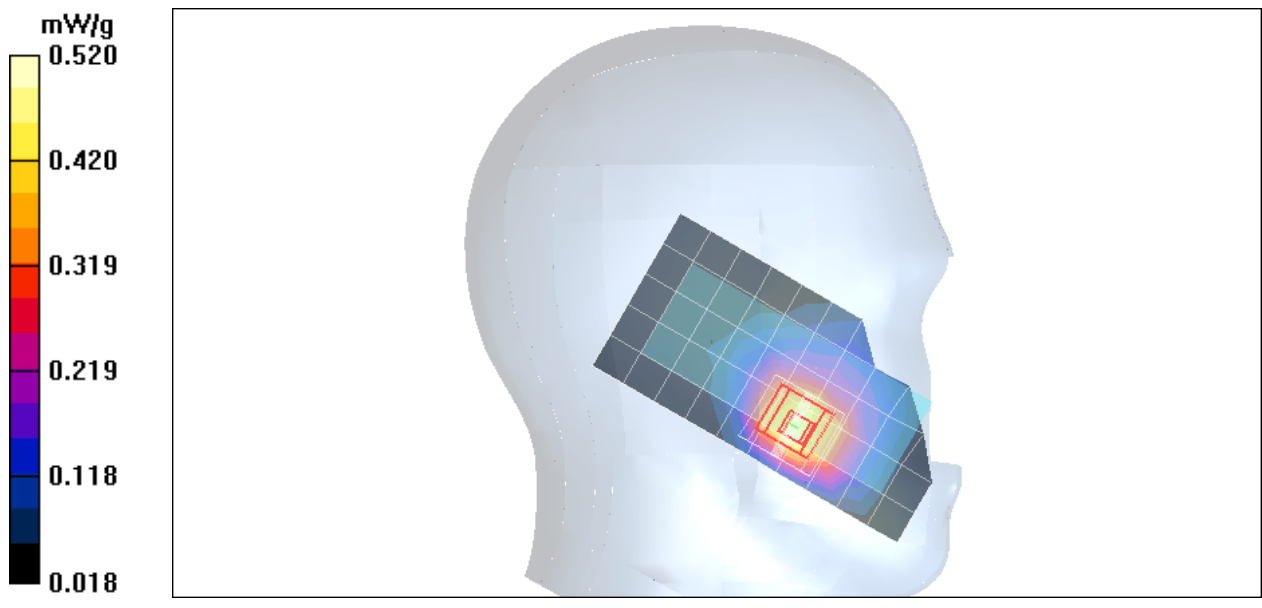
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 5.82 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.657 W/kg

**SAR(1 g) = 0.426 mW/g; SAR(10 g) = 0.264 mW/g**

Maximum value of SAR (measured) = 0.520 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Left Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Tilted Middle CH661/Area Scan (6x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.147 mW/g

**Left Tilted Middle CH661/Zoom Scan (7x7x9)/Cube 0:** Measurement

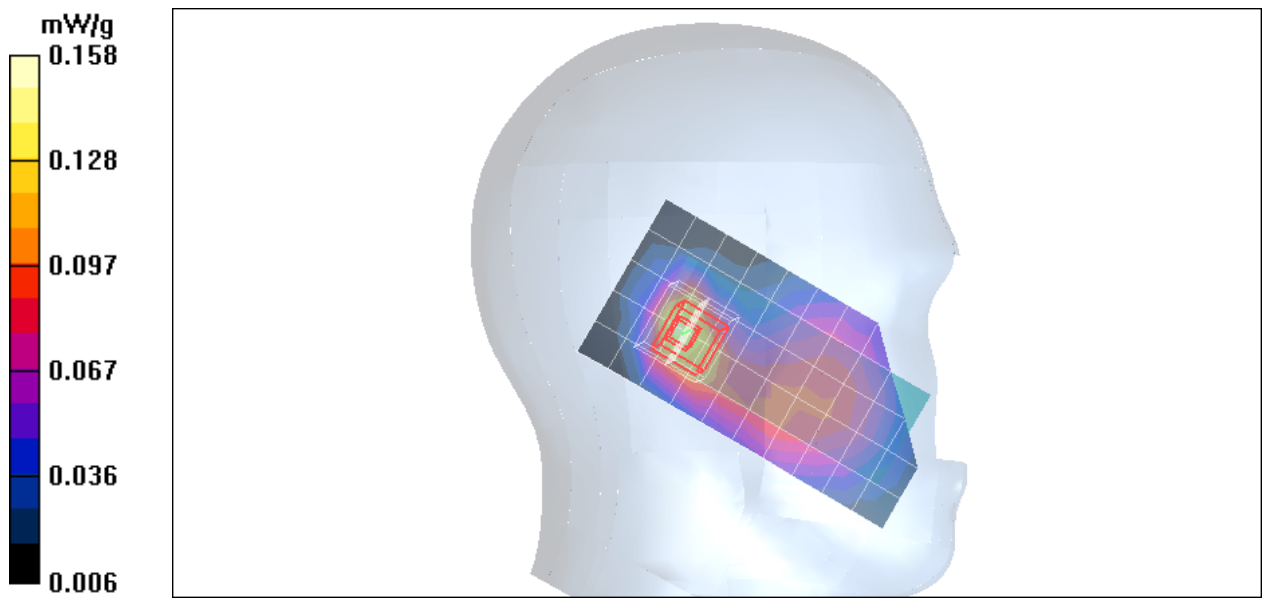
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 10.2 V/m; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.195 W/kg

**SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.076 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Right Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Cheek Middle CH661/Area Scan (6x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.338 mW/g

**Right Cheek Middle CH661/Zoom Scan (7x7x9)/Cube 0:** Measurement

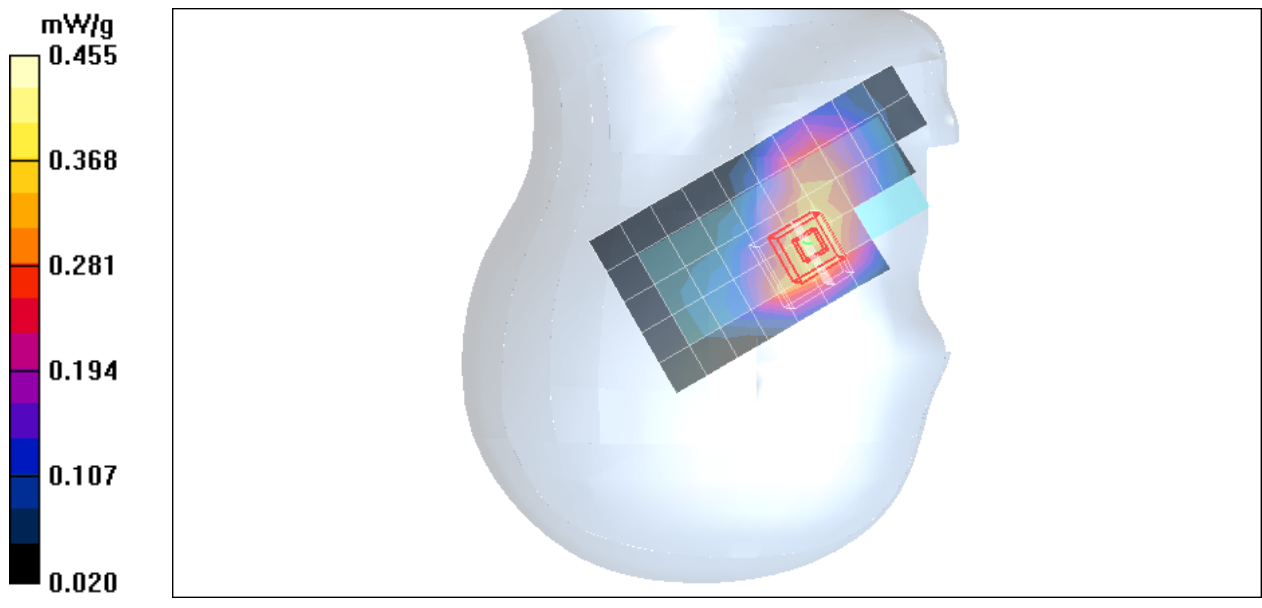
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 5.29 V/m; Power Drift = -0.030 dB

Peak SAR (extrapolated) = 0.439 W/kg

**SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.216 mW/g**

Maximum value of SAR (measured) = 0.375 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Right Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Tilted Middle CH661/Area Scan (6x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.203 mW/g

**Right Tilted Middle CH661/Zoom Scan (7x7x9)/Cube 0:** Measurement

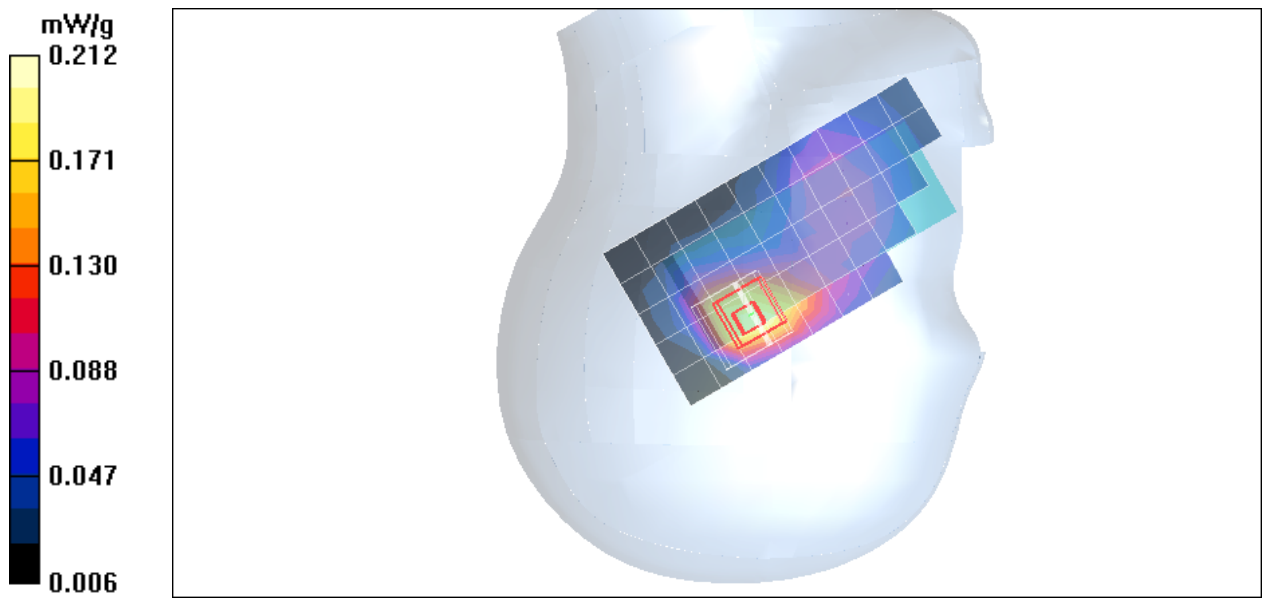
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 9.58 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.109 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## **GSM 835 -Left Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Cheek Middle CH190/Area Scan (7x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.562 mW/g

**Left Cheek Middle CH190/Zoom Scan (7x7x9)/Cube 0:** Measurement

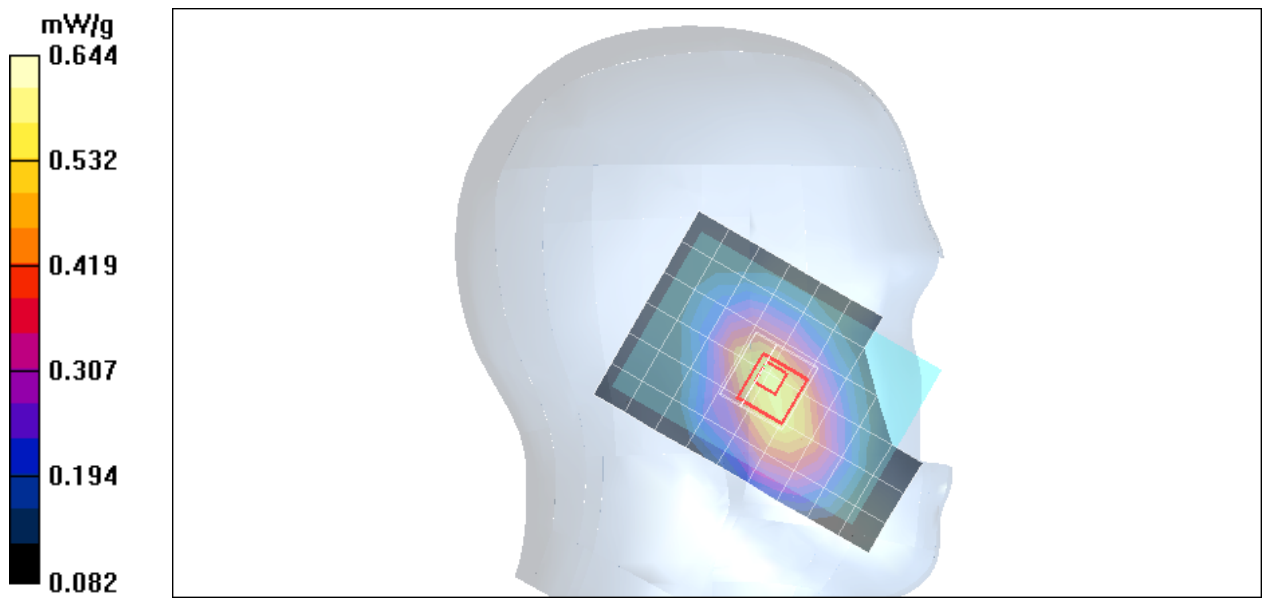
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 14.9 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 0.640 W/kg

**SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.365 mW/g**

Maximum value of SAR (measured) = 0.544 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 835 -Left Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Tilted Middle CH190/Area Scan (7x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.283 mW/g

**Left Tilted Middle CH190/Zoom Scan (7x7x9)/Cube 0:** Measurement

grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 14.5 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.466 W/kg

**SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.147 mW/g**

Maximum value of SAR (measured) = 0.307 mW/g

**Left Tilted Middle CH190/Zoom Scan (7x7x9)/Cube 1:** Measurement

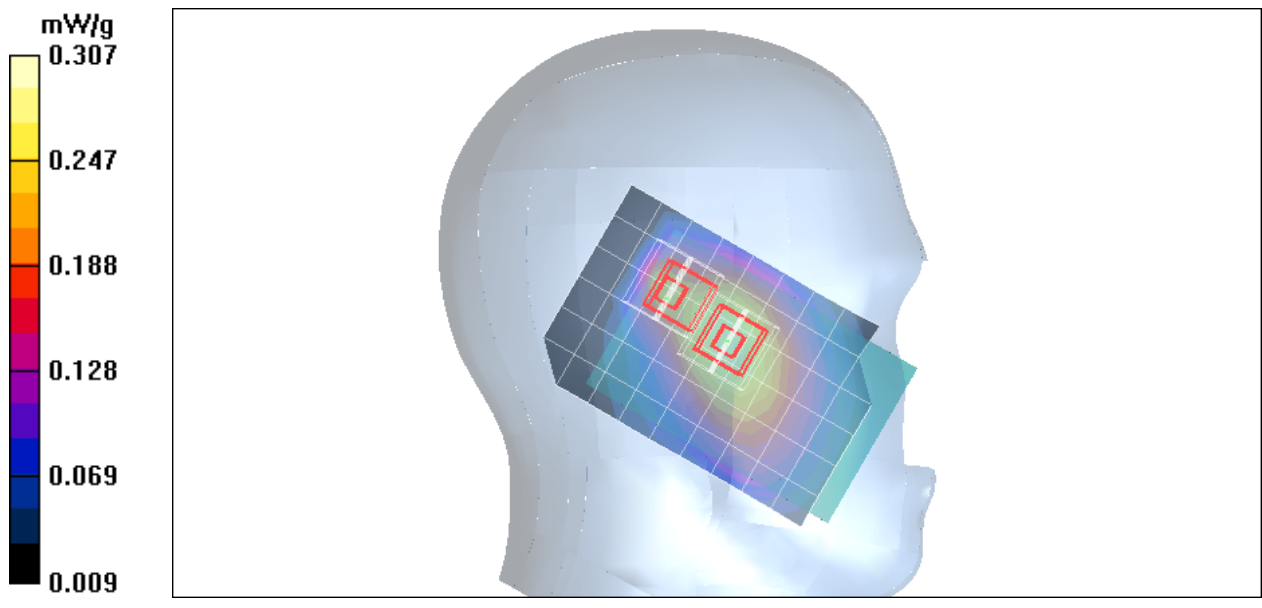
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 14.5 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.341 W/kg

**SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.194 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

## **GSM 835 -Right Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Cheek Middle CH190/Area Scan (7x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.559 mW/g

**Right Cheek Middle CH190/Zoom Scan (7x7x9)/Cube 0:** Measurement

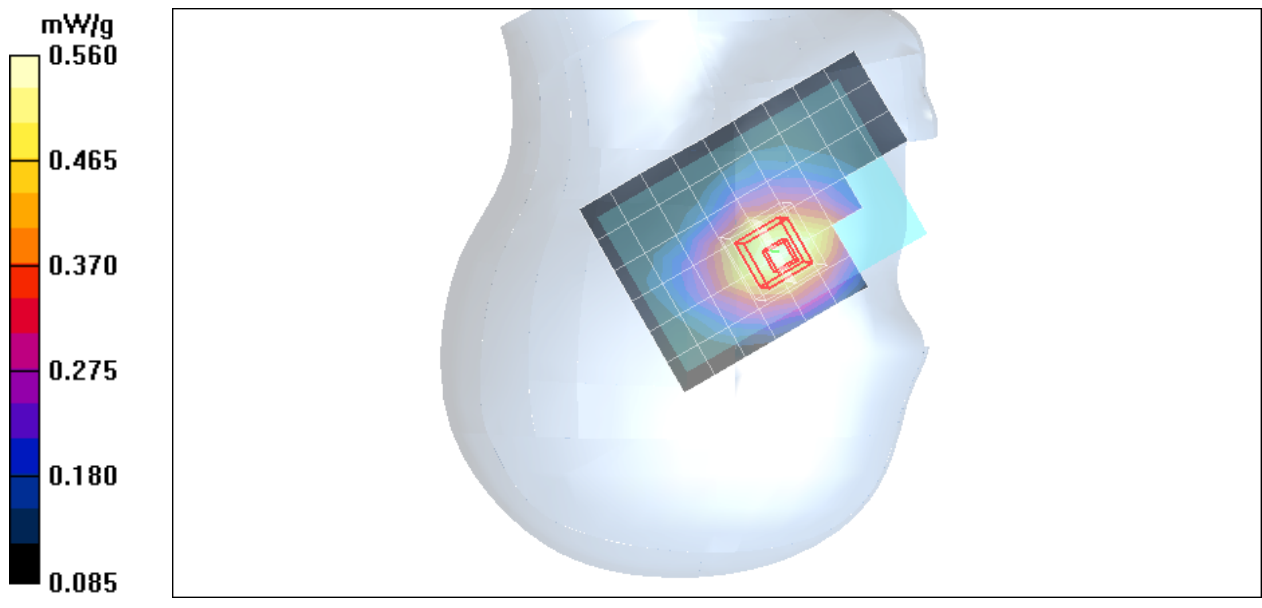
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 13.0 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.665 W/kg

**SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.339 mW/g**

Maximum value of SAR (measured) = 0.560 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 835 -Right Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Tilted Middle CH190/Area Scan (7x10x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.265 mW/g

**Right Tilted Middle CH190/Zoom Scan (7x7x9)/Cube 0:** Measurement

grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 15.9 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 0.303 W/kg

**SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.176 mW/g**

Maximum value of SAR (measured) = 0.266 mW/g

**Right Tilted Middle CH190/Zoom Scan (7x7x9)/Cube 1:** Measurement

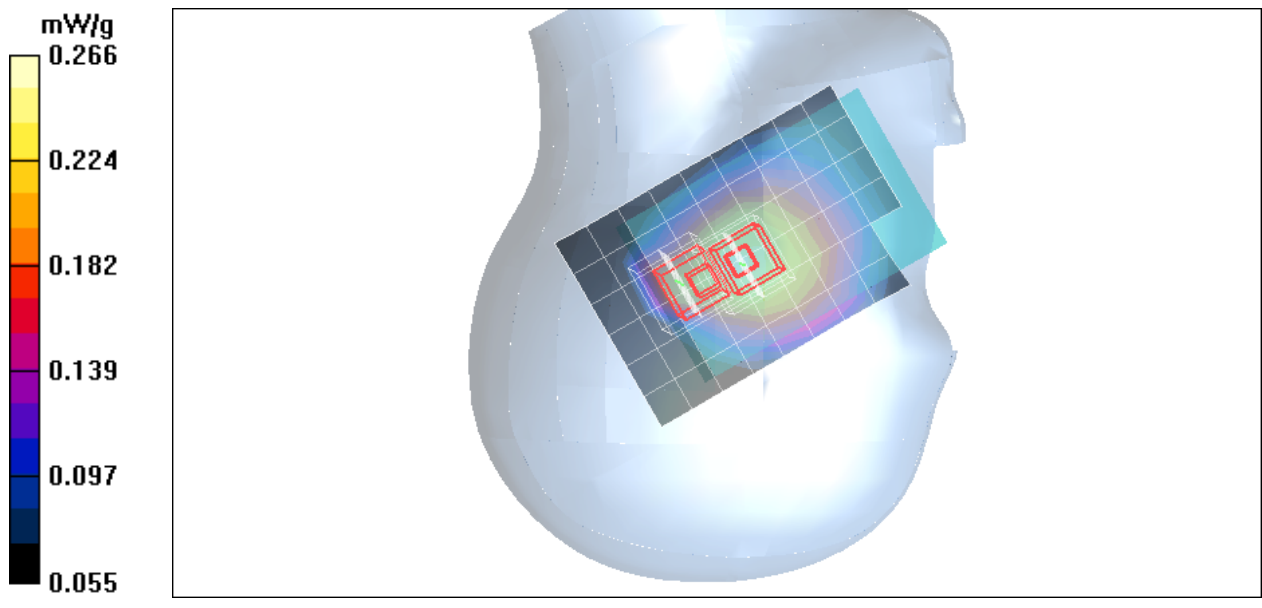
grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 15.9 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 0.360 W/kg

**SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.136 mW/g**

Maximum value of SAR (measured) = 0.246 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Left Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### **DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **Left Cheek Middle CH661/Area Scan (7x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

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

### **Left Cheek Middle CH661/Zoom Scan (7x7x9)/Cube 0:** Measurement

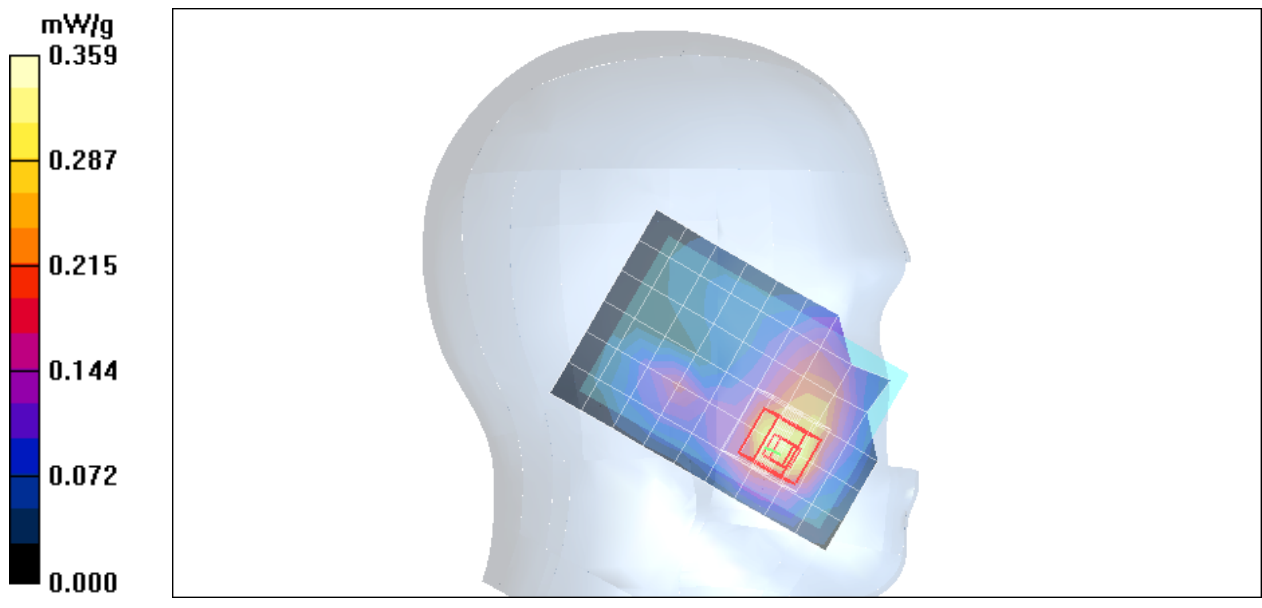
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 2.17 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.551 W/kg

**SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.210 mW/g**

Maximum value of SAR (measured) = 0.451 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Left Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### **DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Tilted Middle CH661/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.086 mW/g

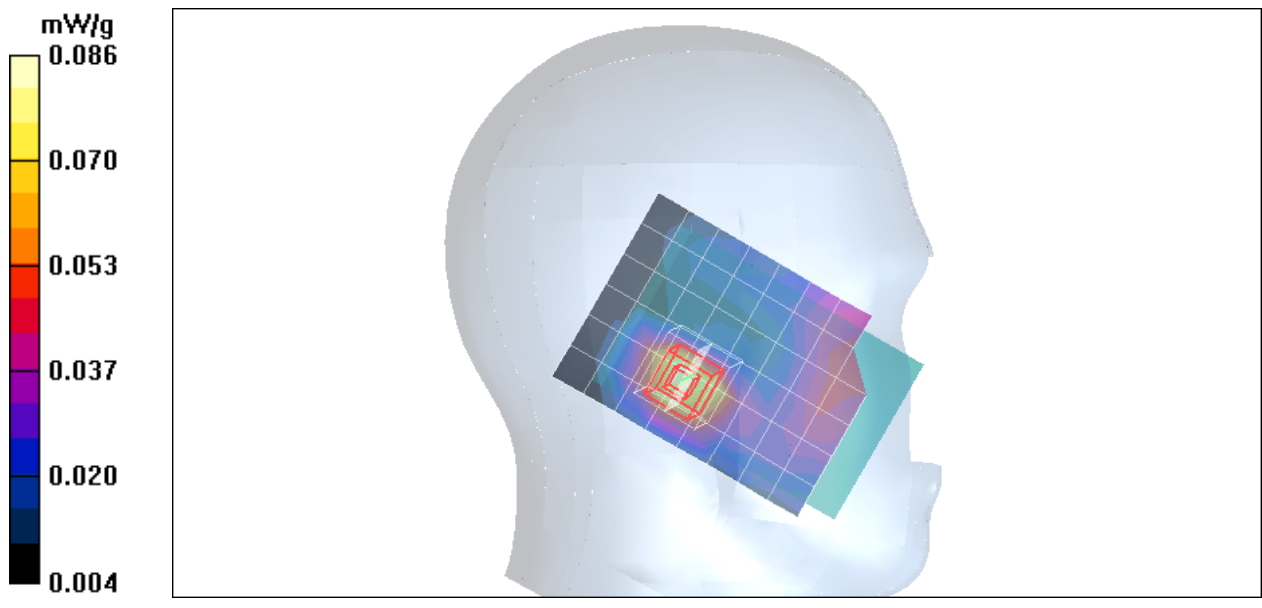
**Left Tilted Middle CH661/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 2.81 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.042 mW/g**

Maximum value of SAR (measured) = 0.086 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Right Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Cheek Middle CH661/Area Scan (7x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.305 mW/g

**Right Cheek Middle CH661/Zoom Scan (7x7x9)/Cube 0:** Measurement

grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 3.07 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.366 W/kg

**SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.141 mW/g**

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

**Right Cheek Middle CH661/Zoom Scan (7x7x9)/Cube 1:** Measurement

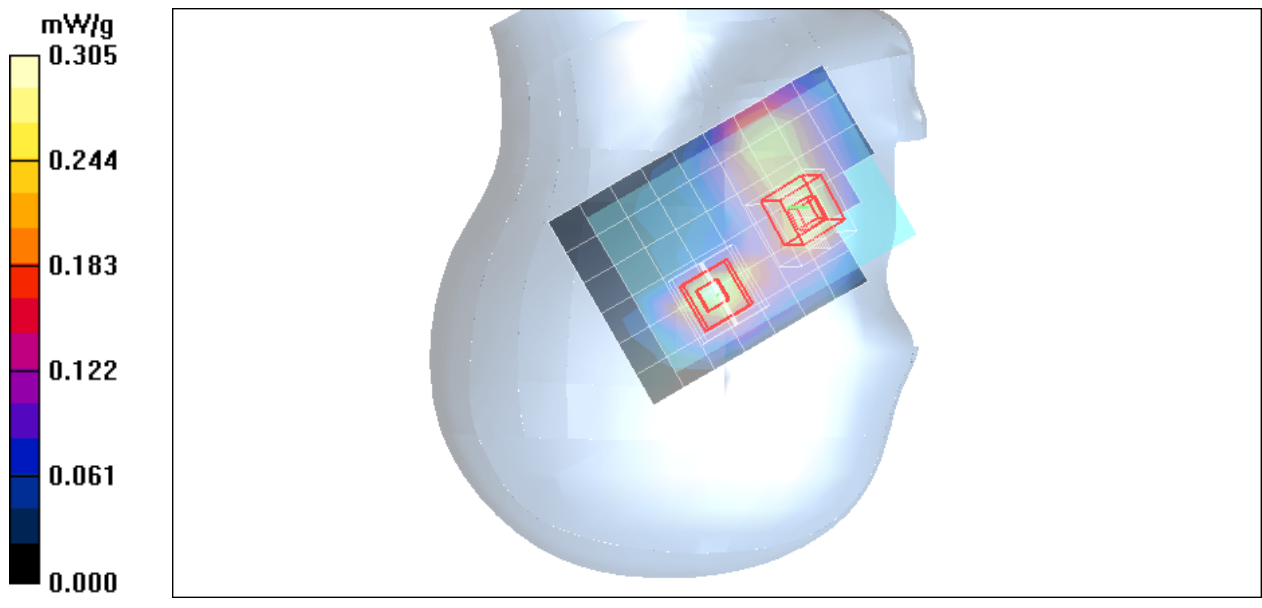
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 3.07 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.305 W/kg

**SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.126 mW/g**

Maximum value of SAR (measured) = 0.245 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Right Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Tilted Middle CH661/Area Scan (7x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.140 mW/g

**Right Tilted Middle CH661/Zoom Scan (7x7x9)/Cube 0:** Measurement

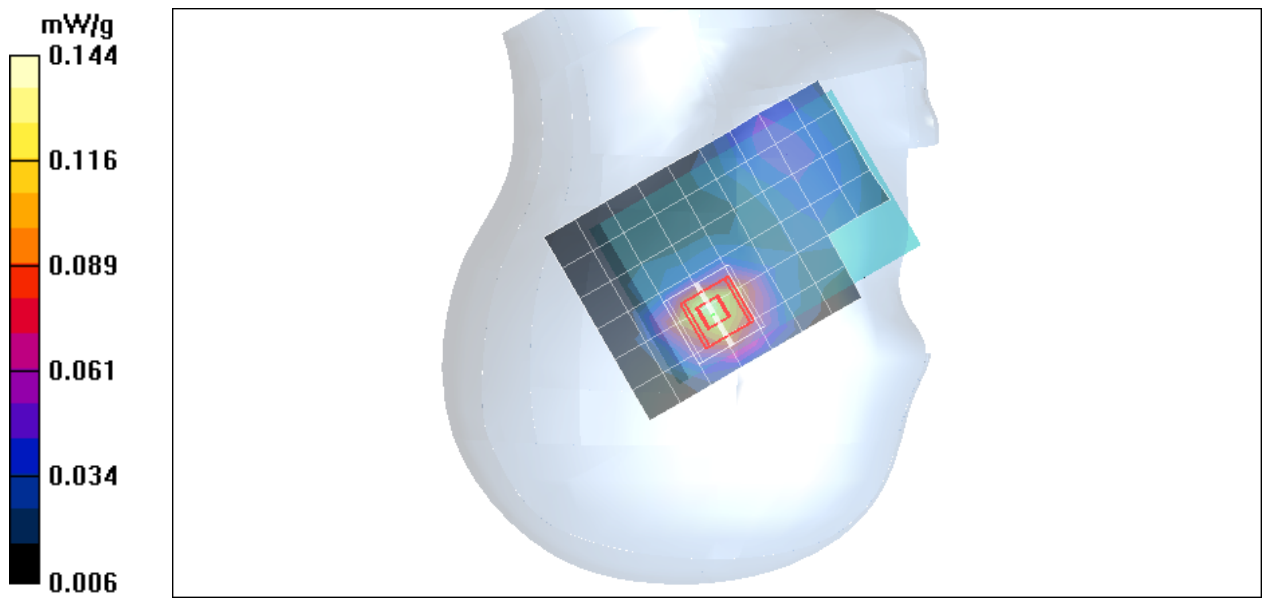
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 4.15 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.175 W/kg

**SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.068 mW/g**

Maximum value of SAR (measured) = 0.144 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band II -Left Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### **DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **Left Cheek Middle CH9400/Area Scan (6x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.541 mW/g

### **Left Cheek Middle CH9400/Zoom Scan (7x7x9)/Cube 0:** Measurement

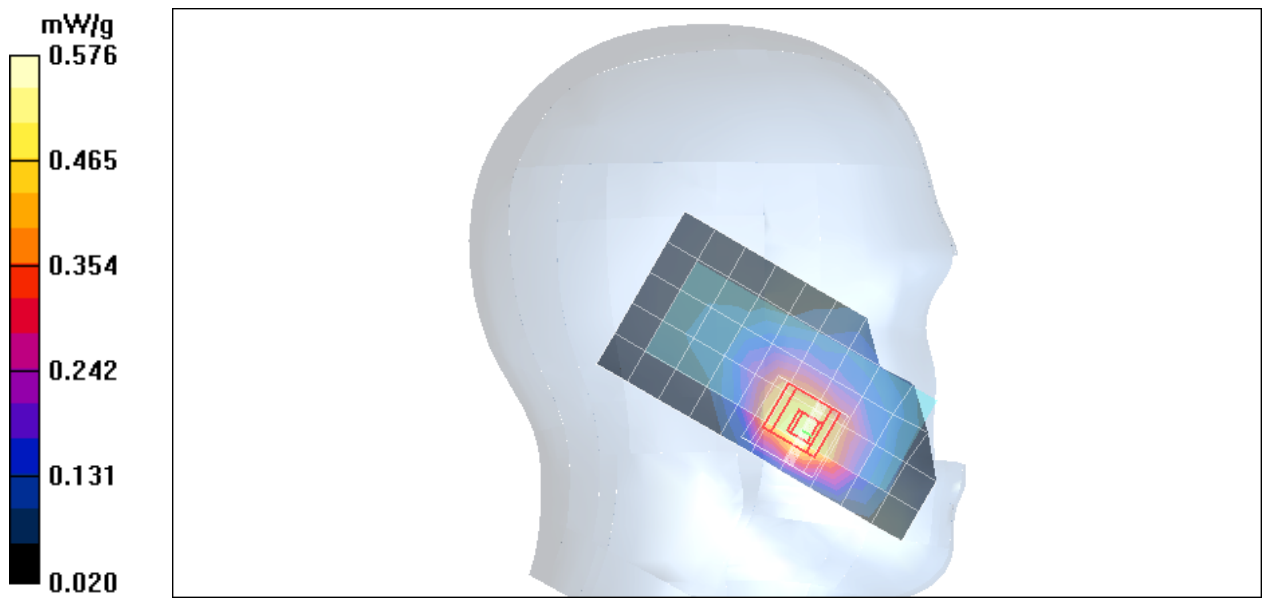
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 6.05 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.720 W/kg

**SAR(1 g) = 0.468 mW/g; SAR(10 g) = 0.290 mW/g**

Maximum value of SAR (measured) = 0.576 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band II -Left Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Tilted Middle CH9400/Area Scan (6x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

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

**Left Tilted Middle CH9400/Zoom Scan (7x7x9)/Cube 0:** Measurement

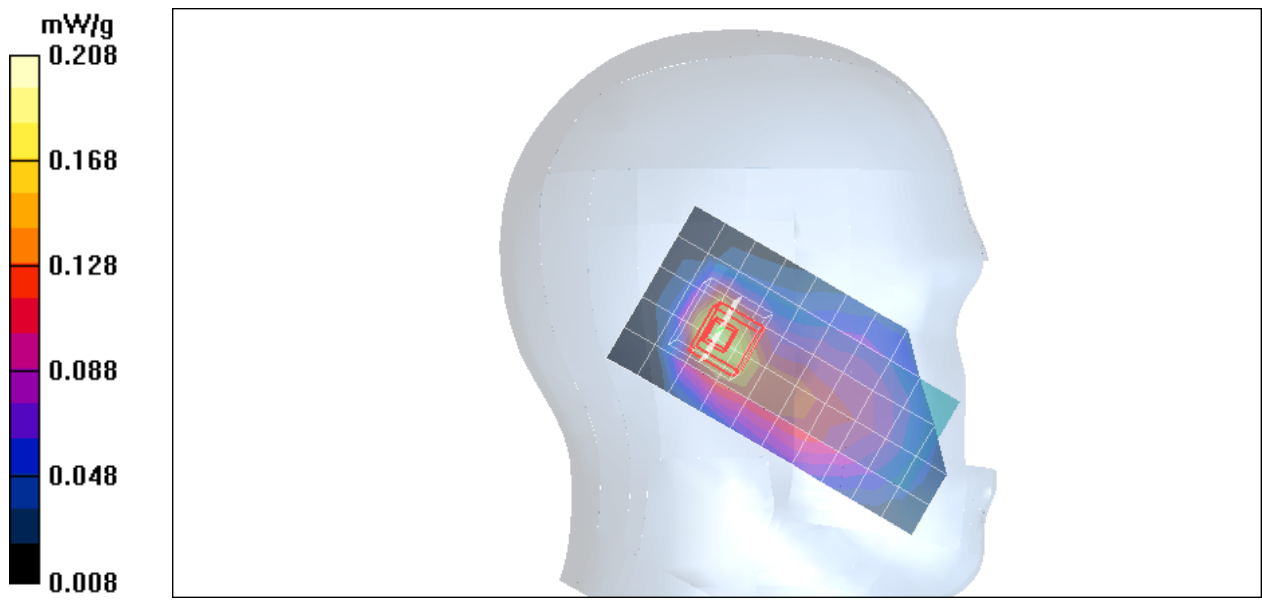
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 11.5 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.102 mW/g**

Maximum value of SAR (measured) = 0.208 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band II -Right Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Cheek Middle CH9400/Area Scan (6x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

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

**Right Cheek Middle CH9400/Zoom Scan (7x7x9)/Cube 0:**

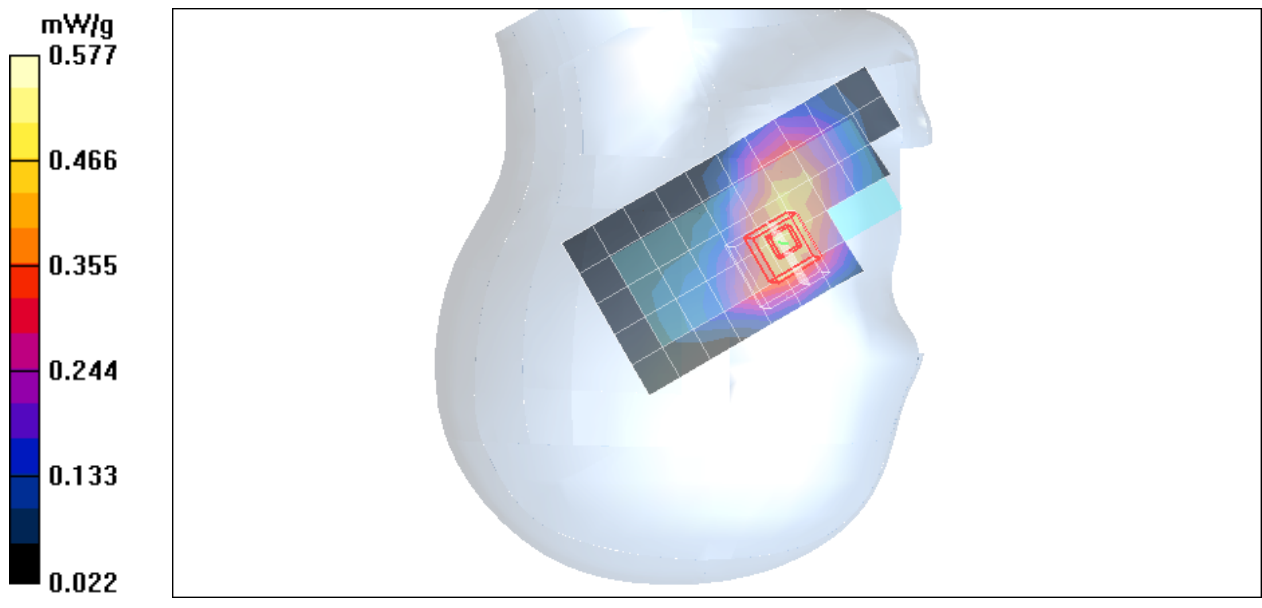
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 6.41 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.496 W/kg

**SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.252 mW/g**

Maximum value of SAR (measured) = 0.427 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band II -Right Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Tilted Middle CH9400/Area Scan (6x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.275 mW/g

**Right Tilted Middle CH9400/Zoom Scan (7x7x9)/Cube 0:**

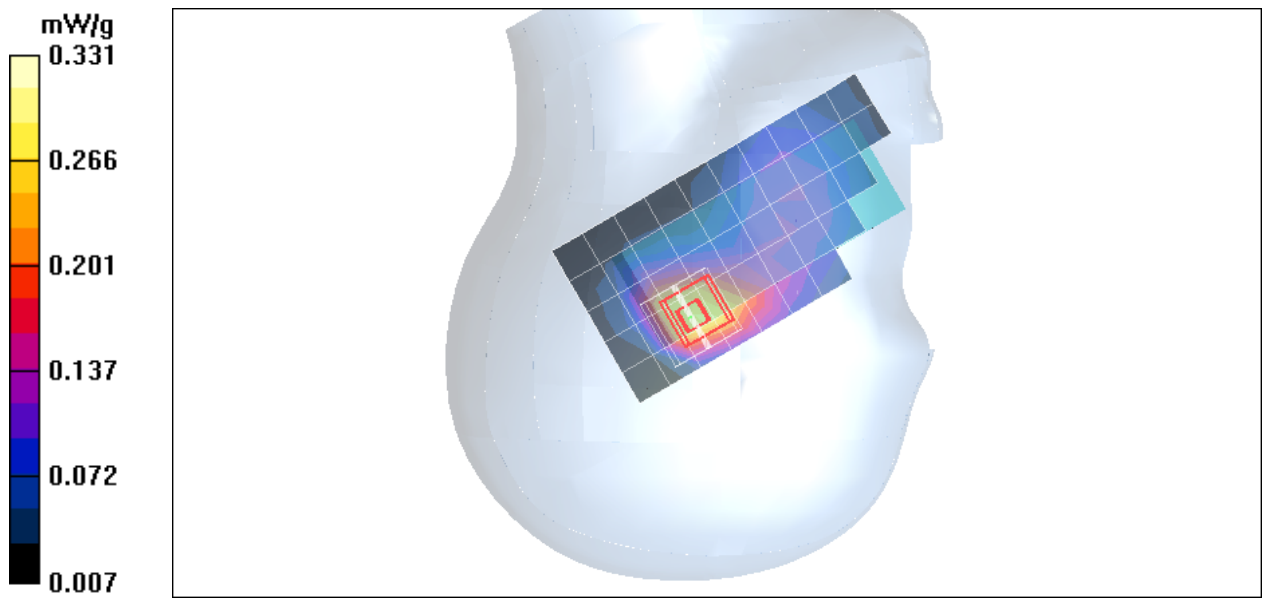
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 12.1 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.364 W/kg

**SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.155 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band V -Left Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

### **DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **Left Cheek Middle CH4182/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.277 mW/g

### **Left Cheek Middle CH4182/Zoom Scan (7x7x9)/Cube 0:** Measurement

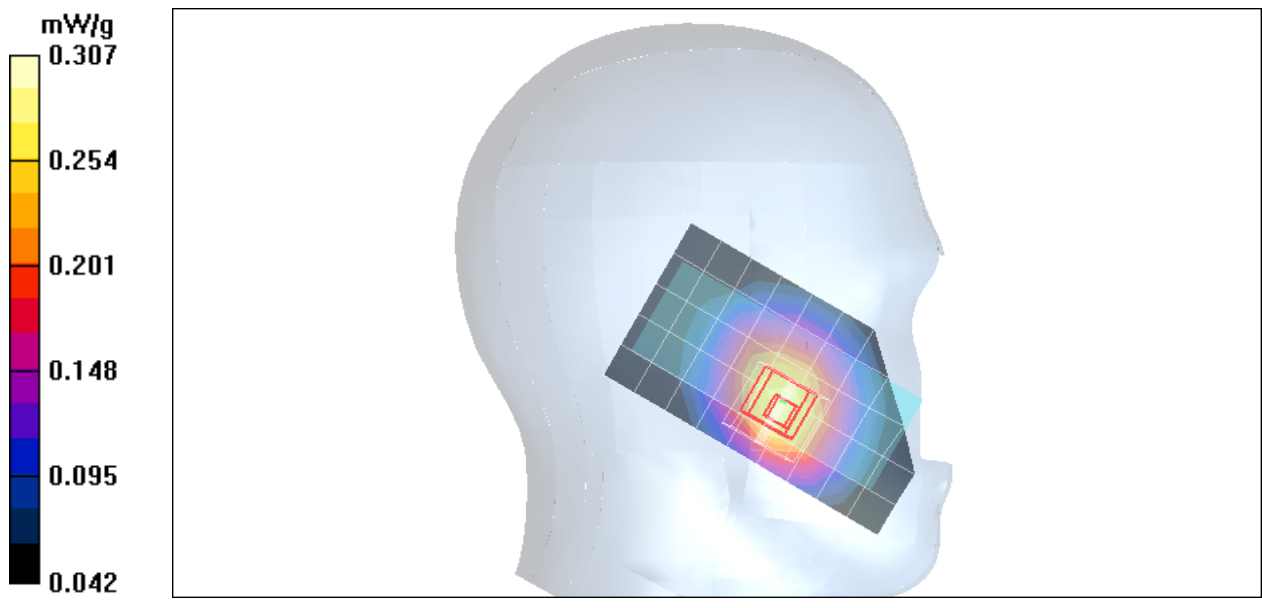
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 6.79 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.301 W/kg

**SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.169 mW/g**

Maximum value of SAR (measured) = 0.257 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band V -Left Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Tilted Middle CH4182/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.193 mW/g

**Left Tilted Middle CH4182/Zoom Scan (7x7x9)/Cube 0:** Measurement

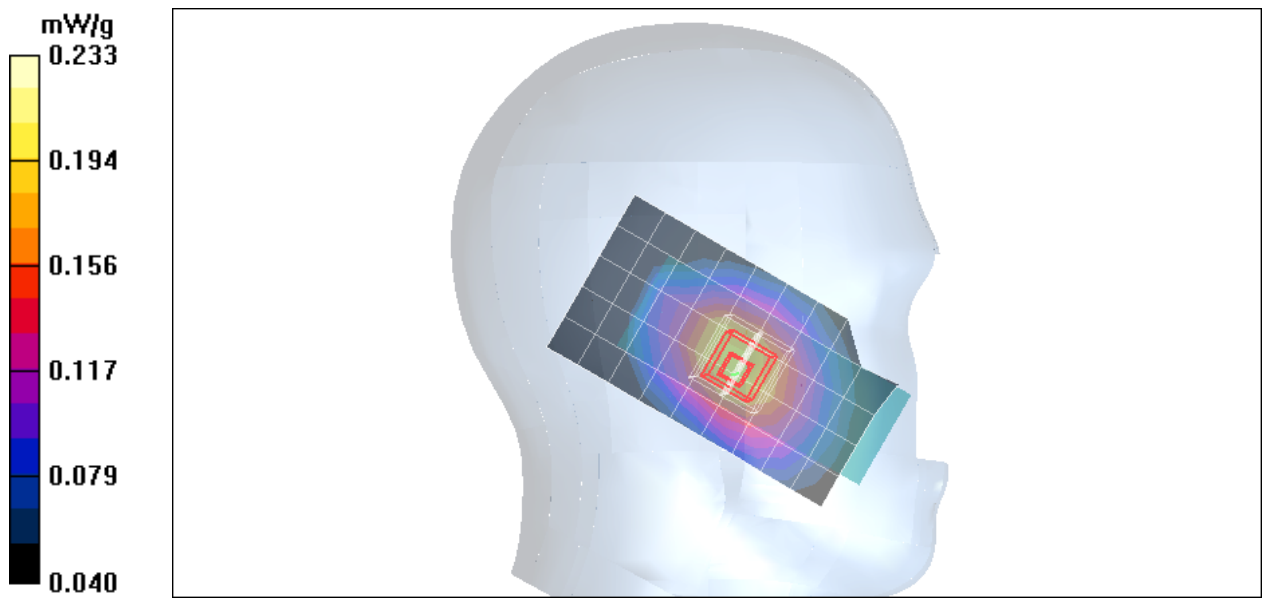
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 12.6 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.230 W/kg

**SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.132 mW/g**

Maximum value of SAR (measured) = 0.203 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band V -Right Head ROSE130 close**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Cheek Middle CH4182/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.231 mW/g

**Right Cheek Middle CH4182/Zoom Scan (7x7x9)/Cube 0:**

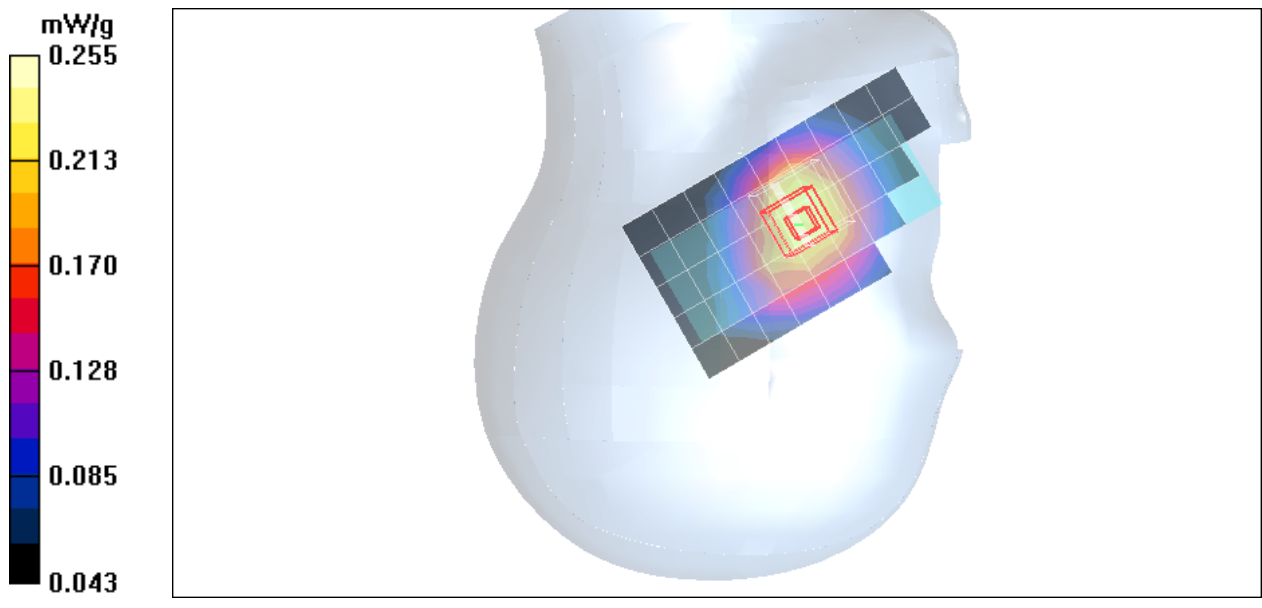
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 7.00 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.273 W/kg

**SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.156 mW/g**

Maximum value of SAR (measured) = 0.235 mW/g



Test Laboratory: Compliance Certification Services Inc.

## WCDMA band V -Right Head ROSE130 close

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 41.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(7.72, 7.72, 7.72);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Tilted Middle CH4182/Area Scan (6x10x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.191 mW/g

**Right Tilted Middle CH4182/Zoom Scan (7x7x9)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 11.9 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.225 W/kg

**SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.132 mW/g**

Maximum value of SAR (measured) = 0.199 mW/g

**Right Tilted Middle CH4182/Zoom Scan (7x7x9)/Cube 1:**

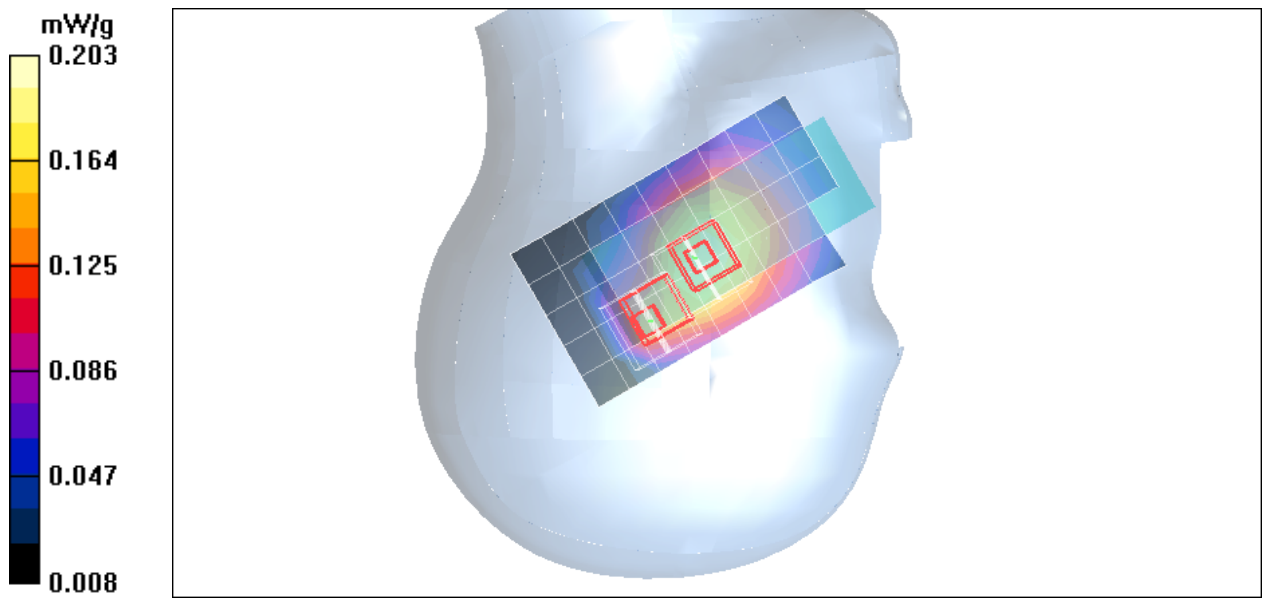
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 11.9 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.349 W/kg

**SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.098 mW/g**

Maximum value of SAR (measured) = 0.203 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band II -Left Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Cheek Middle CH9400/Area Scan (7x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.487 mW/g

**Left Cheek Middle CH9400/Zoom Scan (7x7x9)/Cube 0:** Measurement

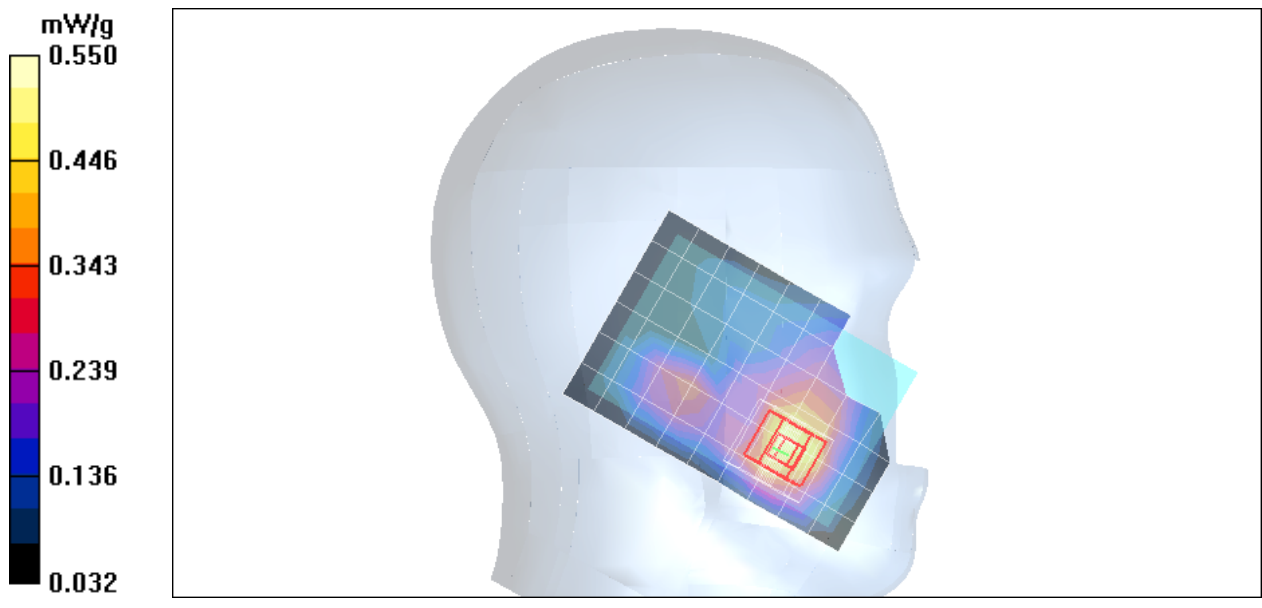
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 2.08 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 0.675 W/kg

**SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.262 mW/g**

Maximum value of SAR (measured) = 0.550 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band II -Left Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Left Tilted Middle CH9400/Area Scan (7x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

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

**Left Tilted Middle CH9400/Zoom Scan (7x7x9)/Cube 0:** Measurement

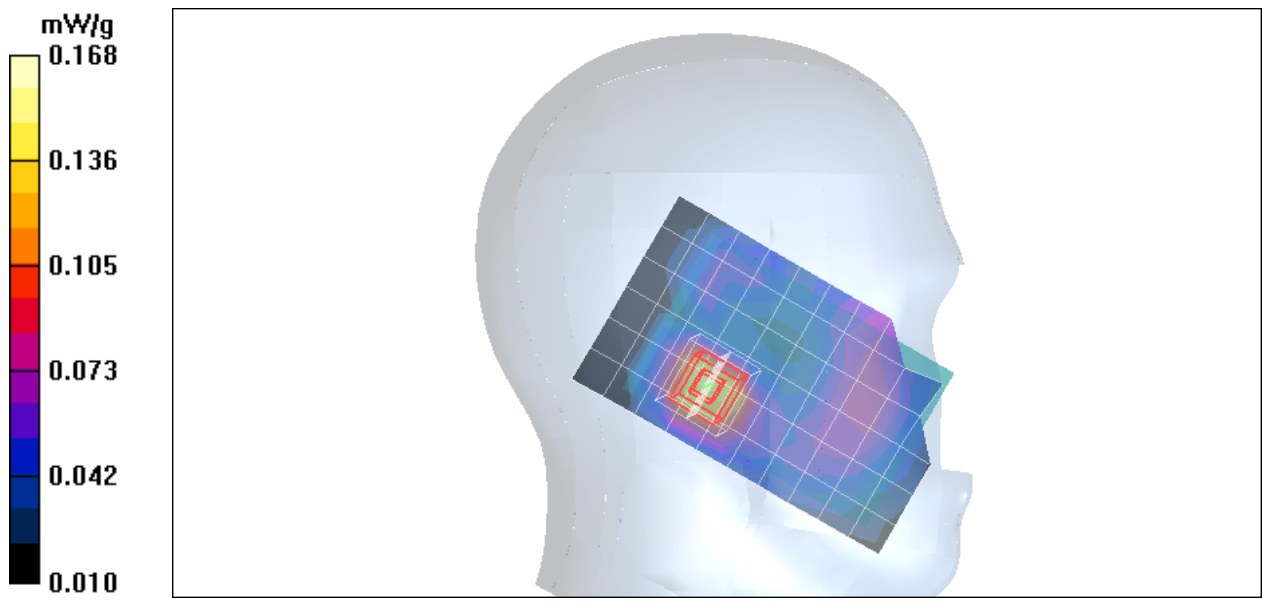
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 4.64 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.203 W/kg

**SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.081 mW/g**

Maximum value of SAR (measured) = 0.168 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band II -Right Head ROSE130 slide**

**DUT: ROSE130; Type: ROSE130; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.5 deg C; Liquid Temperature: 23.5 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3554; ConvF(6.62, 6.62, 6.62);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn905; Calibrated: 3/28/2008
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Right Cheek Middle CH9400/Area Scan (7x11x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.644 mW/g

**Right Cheek Middle CH9400/Zoom Scan (7x7x9)/Cube 0:**

Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 4.71 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 0.845 W/kg

**SAR(1 g) = 0.548 mW/g; SAR(10 g) = 0.310 mW/g**

Maximum value of SAR (measured) = 0.690 mW/g