

Test Laboratory: Compliance Certification Services Inc.

GSM 850 -Left Head

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³
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:

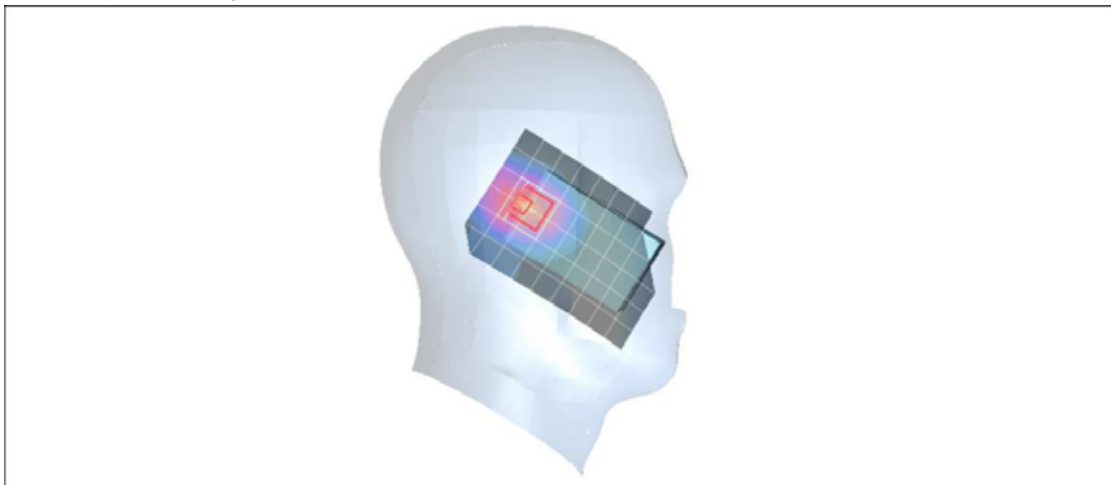
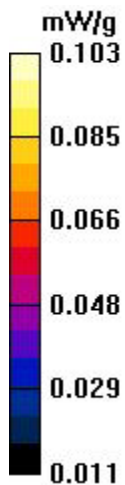
- Probe: EX3DV4 - SN3665; ConvF(9.42, 9.42, 9.42);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Cheek High CH251/Area Scan (7x10x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.071 mW/g

Left Cheek High CH251/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 9.81 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 0.113 W/kg
SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.045 mW/g
Maximum value of SAR (measured) = 0.089 mW/g



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GSM 850 -Left Head

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Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³
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 - SN3665; ConvF(9.42, 9.42, 9.42);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

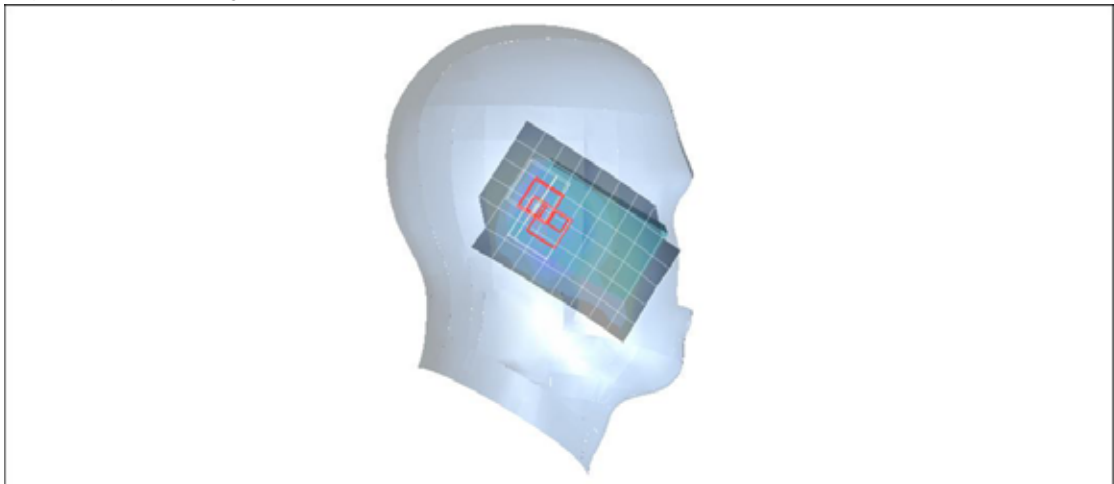
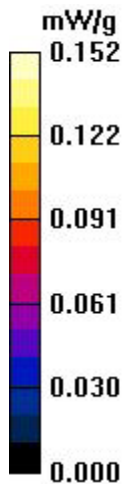
Left Tilted High CH251/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.053 mW/g

Left Tilted High CH251/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.67 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 0.117 W/kg
SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.059 mW/g

Left Tilted High CH251/Zoom Scan (7x7x9)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 7.67 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 0.210 W/kg
SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.063 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850 -Right Head

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³
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:

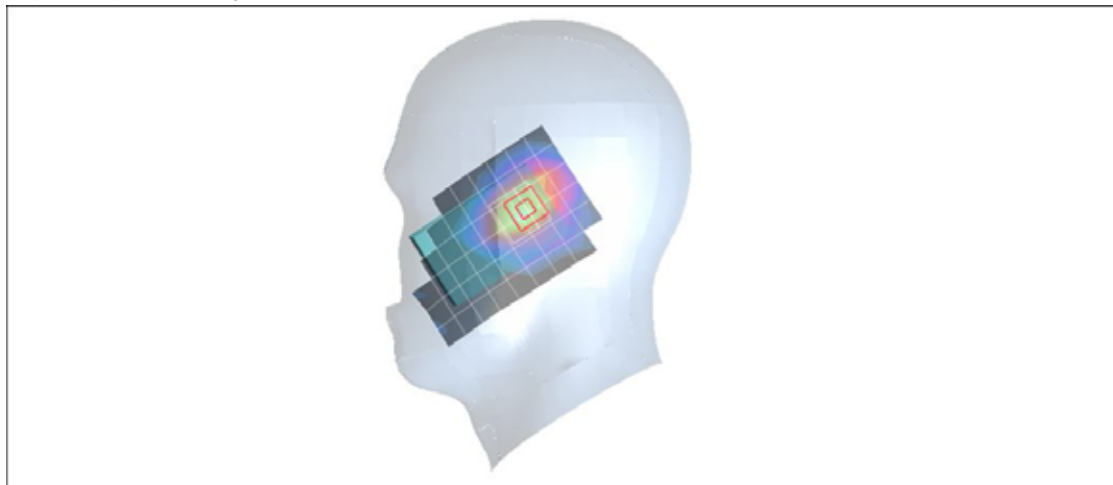
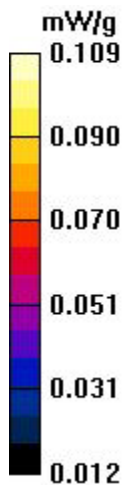
- Probe: EX3DV4 - SN3665; ConvF(9.42, 9.42, 9.42);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Cheek High CH251/Area Scan (7x10x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.107 mW/g

Right Cheek High CH251/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.99 V/m; Power Drift = -0.001 dB
Peak SAR (extrapolated) = 0.111 W/kg
SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.097 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 850 -Right Head

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³
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:

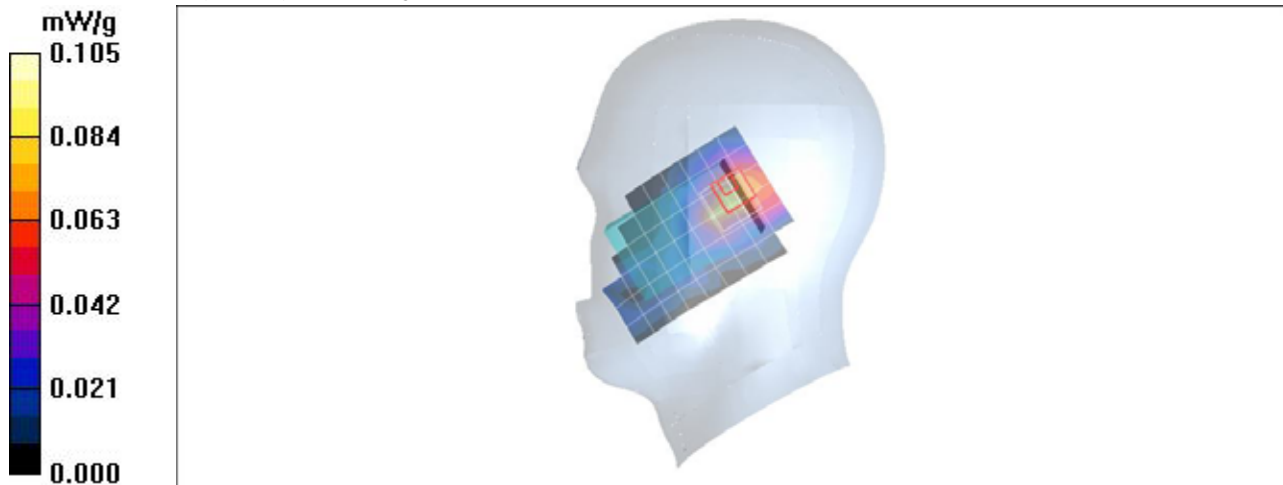
- Probe: EX3DV4 - SN3665; ConvF(9.42, 9.42, 9.42);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Tilted High CH251/Area Scan (7x10x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.073 mW/g

Right Tilted High CH251/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 8.17 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 0.120 W/kg
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.081 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900 - Left Head

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³
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:

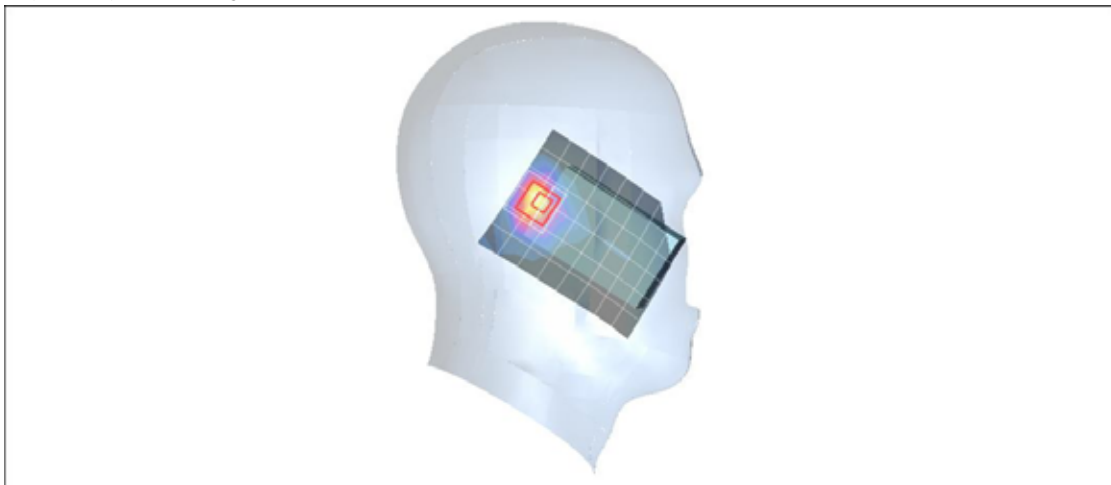
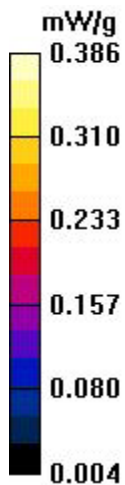
- Probe: EX3DV4 - SN3665; ConvF(8.07, 8.07, 8.07);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Cheek High CH810/Area Scan (7x9x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.387 mW/g

Left Cheek High CH810/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 17.8 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 0.545 W/kg
SAR(1 g) = **0.284 mW/g**; SAR(10 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.386 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900 - Left Head

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³
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:

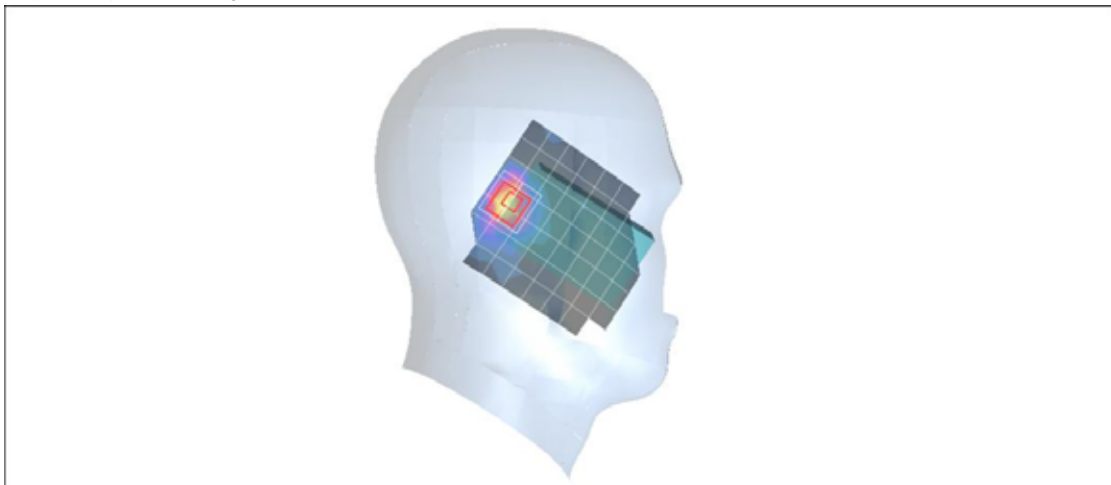
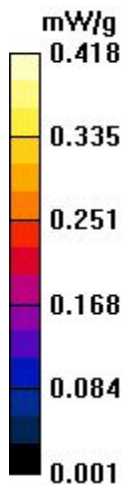
- Probe: EX3DV4 - SN3665; ConvF(8.07, 8.07, 8.07);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Tilted High CH810/Area Scan (8x9x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.377 mW/g

Left Tilted High CH810/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 14.3 V/m; Power Drift = -0.062 dB
Peak SAR (extrapolated) = 0.620 W/kg
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.154 mW/g
Maximum value of SAR (measured) = 0.418 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900 -Right Head

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³
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:

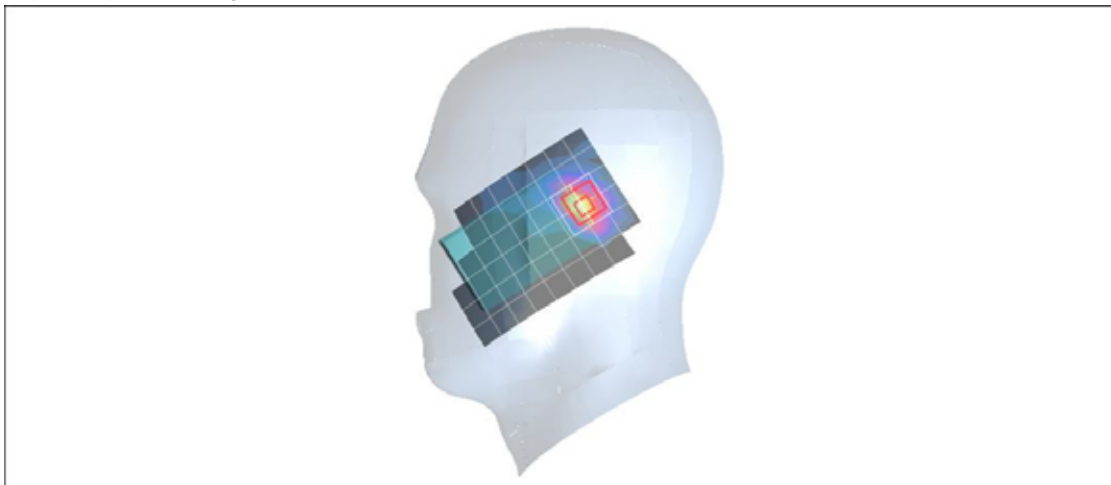
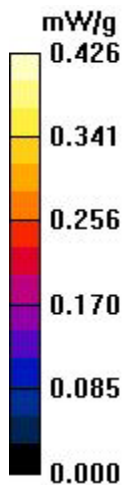
- Probe: EX3DV4 - SN3665; ConvF(8.07, 8.07, 8.07);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

Right Cheek High CH810/Area Scan (7x10x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.413 mW/g

Right Cheek High CH810/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 17.4 V/m; Power Drift = -0.109 dB
Peak SAR (extrapolated) = 0.602 W/kg
SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.426 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900 -Right Head

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³
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 - SN3665; ConvF(8.07, 8.07, 8.07);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

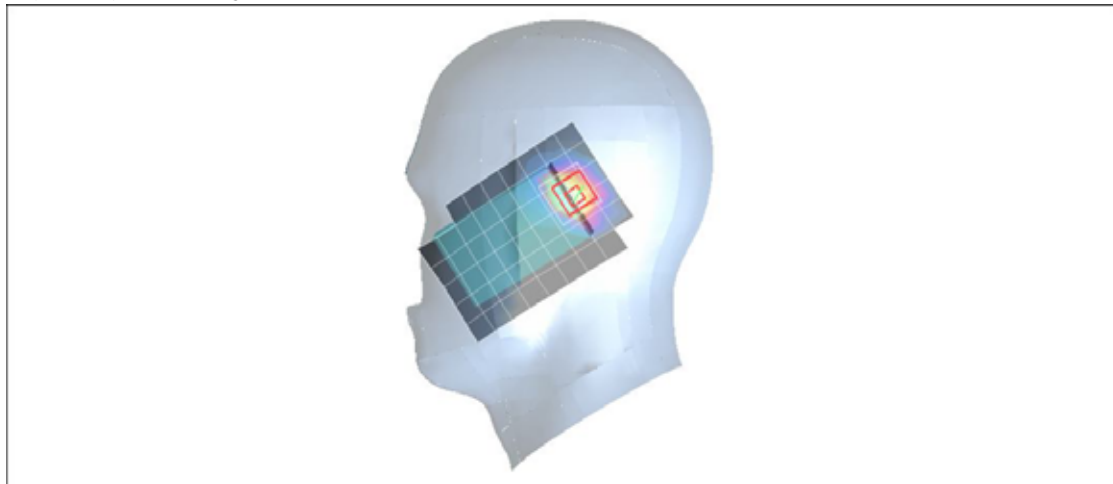
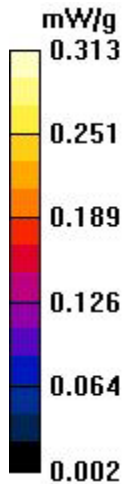
Right Tilted High CH810/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.448 mW/g

Right Tilted High CH810/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 17.0 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 0.664 W/kg
SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.473 mW/g

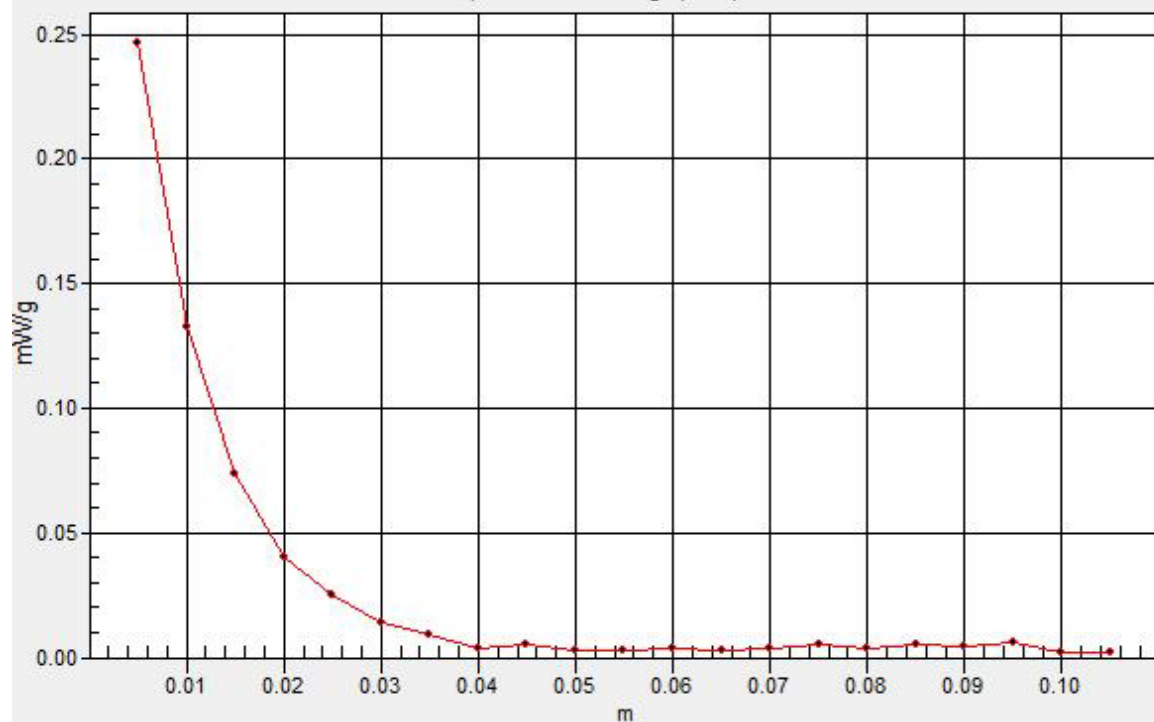
Right Tilted High CH810/Z Scan (1x1x21):

Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.247 mW/g



SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0



Test Laboratory: Compliance Certification Services Inc.

GSM 850 - Body

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8
Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³
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 - SN3665; ConvF(9.5, 9.5, 9.5);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

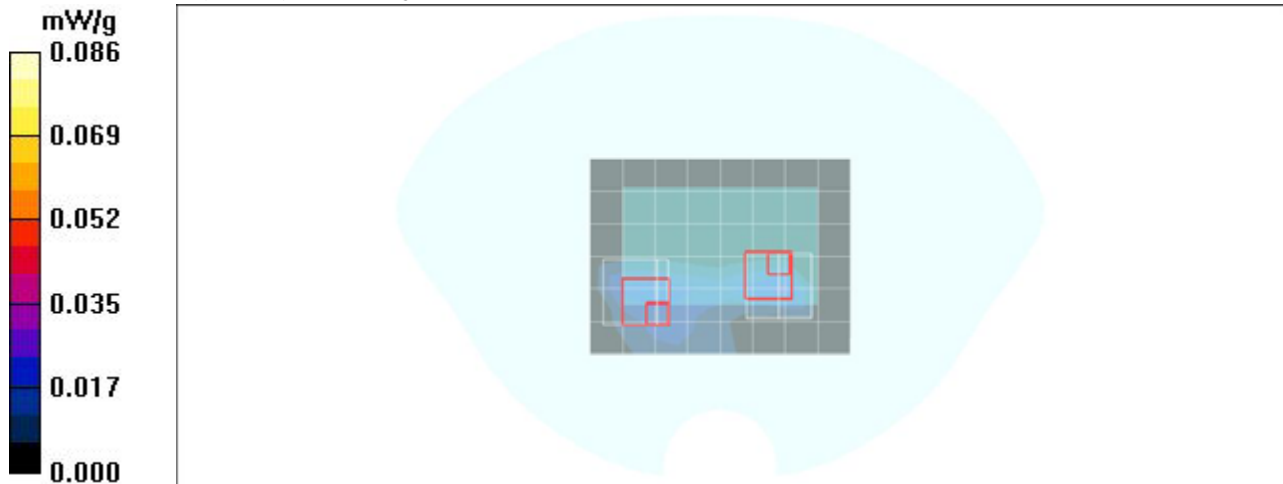
GSM Back High CH251/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.026 mW/g

GSM Back High CH251/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.97 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 0.081 W/kg
SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00719 mW/g
Maximum value of SAR (measured) = 0.027 mW/g

GSM Back High CH251/Zoom Scan (7x7x9)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 1.97 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 0.063 W/kg
SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.00942 mW/g
Maximum value of SAR (measured) = 0.031 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 850 - Body

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GPRS 850; Frequency: 848.8 MHz; Duty Cycle: 1:2
Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³
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:

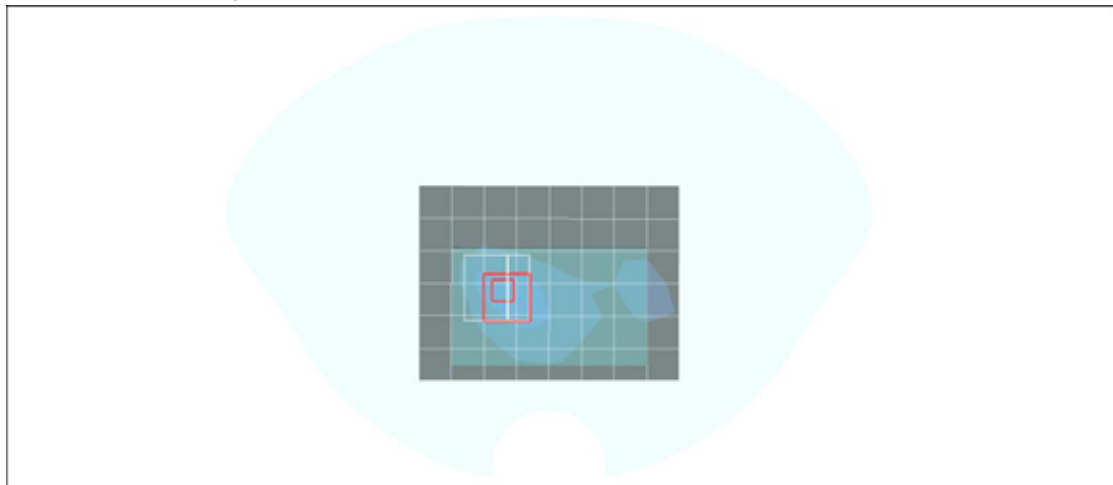
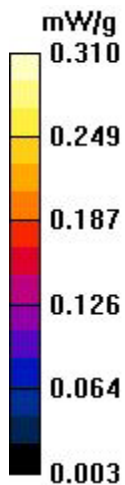
- Probe: EX3DV4 - SN3665; ConvF(9.5, 9.5, 9.5);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

GPRS Back High CH251/Area Scan (7x9x1):

Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.057 mW/g

GPRS Back High CH251/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 3.66 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 0.096 W/kg
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.066 mW/g



Test Laboratory: Compliance Certification Services Inc.

GSM 1900 - Body

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8
Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³
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 - SN3665; ConvF(8.06, 8.06, 8.06);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

GSM Back High CH810/Area Scan (6x10x1):

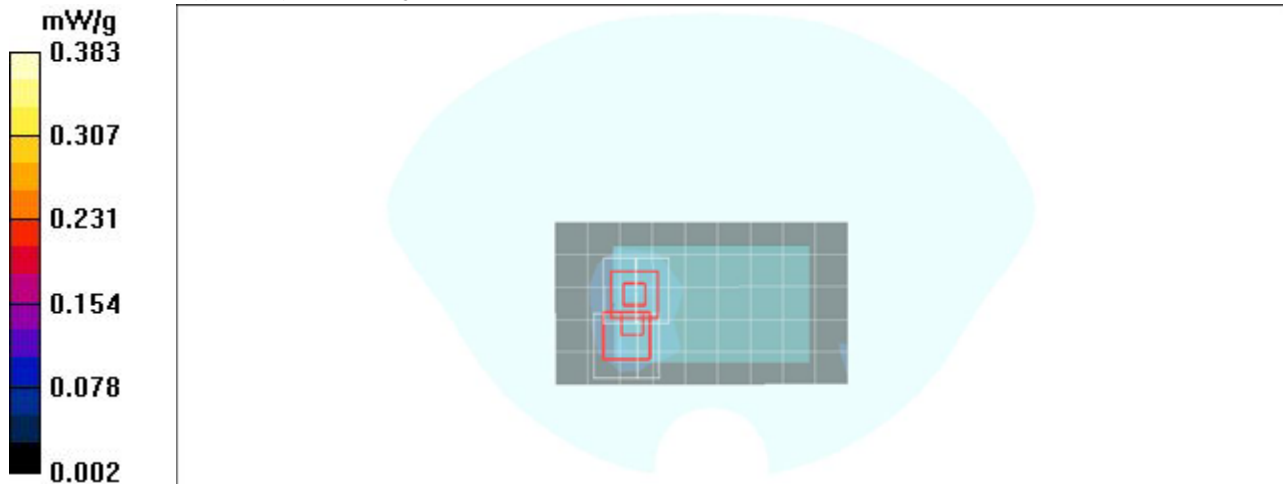
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.060 mW/g

GSM Back High CH810/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.82 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.086 W/kg
SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.021 mW/g
Maximum value of SAR (measured) = 0.065 mW/g

GSM Back High CH810/Zoom Scan (7x7x9)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 2.82 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 0.088 W/kg
SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.065 mW/g



Test Laboratory: Compliance Certification Services Inc.

GPRS 1900 - Body

DUT: AE535A31; Type: E5 GSM Model Pager; Serial: n/a

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2
Medium parameters used (interpolated): $f = 1909.8 \text{ MHz}$; $\sigma = 1.51 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$
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 - SN3665; ConvF(8.06, 8.06, 8.06);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: SAM with CRP; Type: SAM; Serial: 1506
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

GPRS Back High CH810/Area Scan (6x9x1):

Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.164 mW/g

GPRS Back High CH810/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=3\text{mm}$
Reference Value = 5.73 V/m; Power Drift = -0.012 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.014 mW/g
Maximum value of SAR (measured) = 0.056 mW/g

