

Test Laboratory: Compliance Certification Services Inc.

## **Bluetooth -Right Head POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.87$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.19, 7.19, 7.19);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- 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 High 2480/Area Scan (8x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.002 mW/g

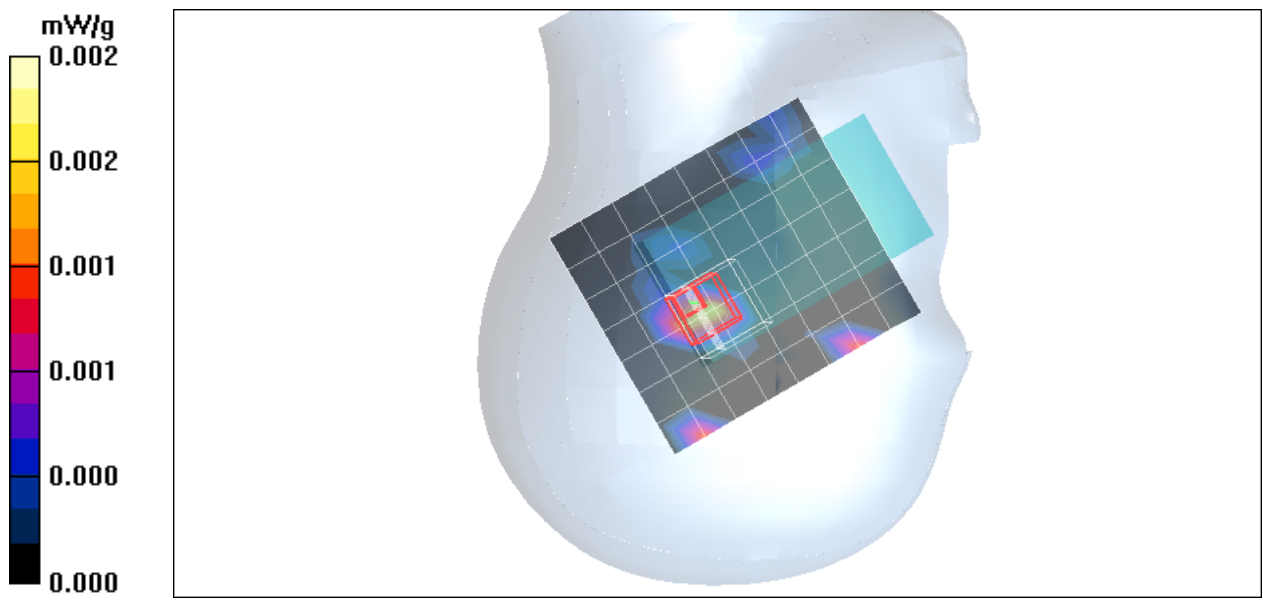
**Right Tilted High 2480/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.12 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 0.007 W/kg

**SAR(1 g) = 0.0022 mW/g; SAR(10 g) = 2.3e-005 mW/g**

Maximum value of SAR (measured) = 0.003 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.922 \text{ mho/m}$ ;  $\epsilon_r = 55.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**GSM Body Face Up Middle CH190/Area Scan (7x10x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.164 mW/g

**GSM Body Face Up Middle CH190/Zoom Scan (5x5x7)/Cube 0:**

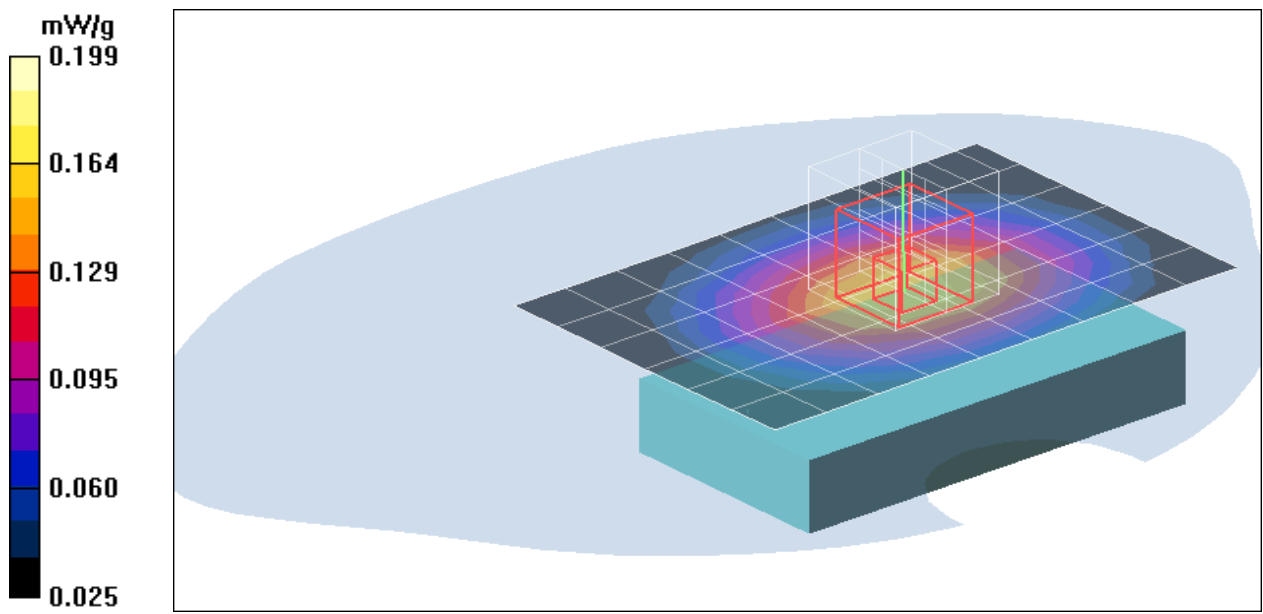
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.66 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 0.196 W/kg

**SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.113 mW/g**

Maximum value of SAR (measured) = 0.169 mW/g



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## **GSM 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.911$  mho/m;  $\epsilon_r = 55.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**GSM Body Face Down Low CH128/Area Scan (7x10x1):** Measurement

grid: dx=15mm, dy=15mm

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

**GSM Body Face Down Low CH128/Zoom Scan (5x5x7)/Cube 0:**

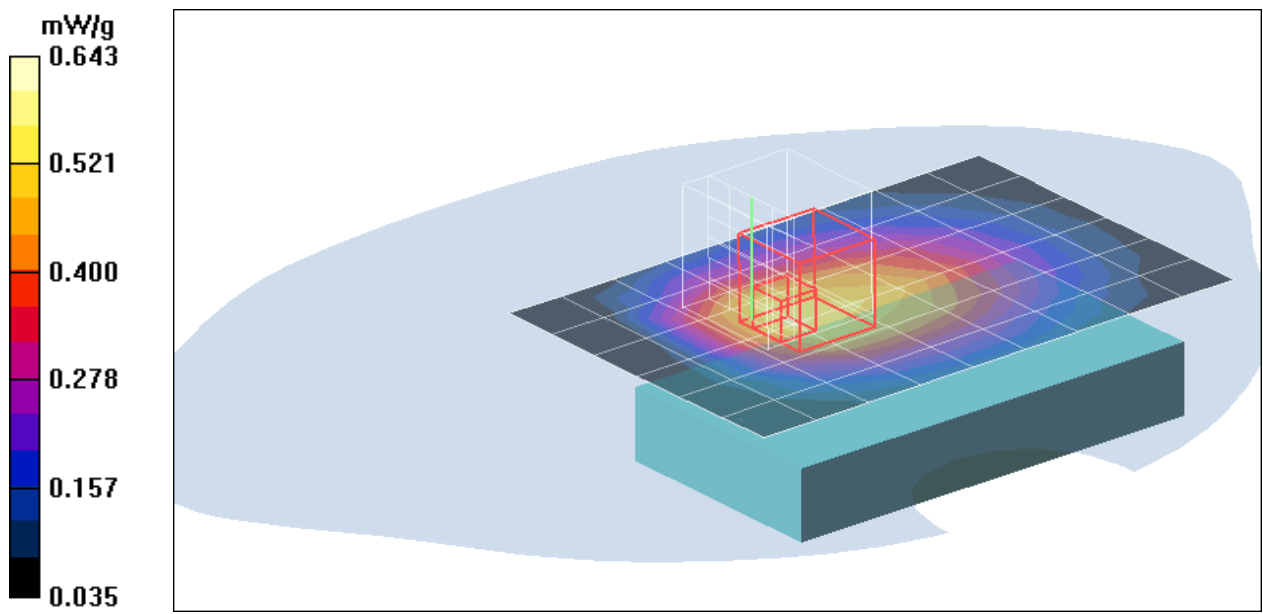
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 21.0 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.756 W/kg

**SAR(1 g) = 0.509 mW/g; SAR(10 g) = 0.363 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## **GSM 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.922$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **GSM Body Face Down Middle CH190/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

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

## **GSM Body Face Down Middle CH190/Zoom Scan (5x5x7)/Cube**

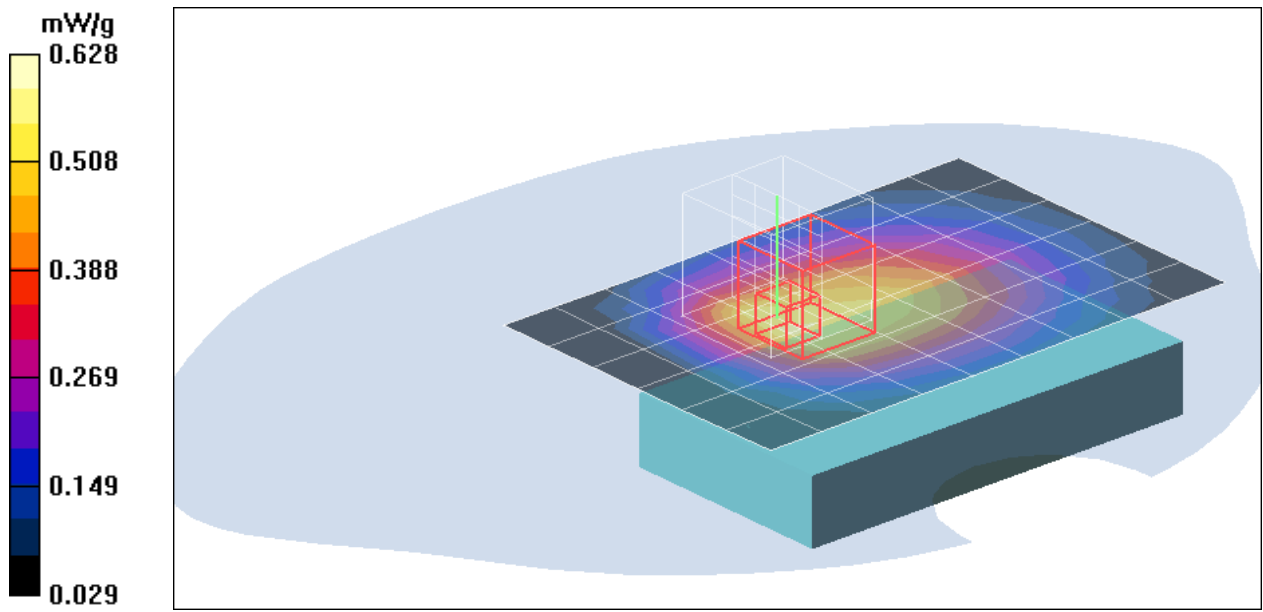
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.8 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.735 W/kg

**SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.351 mW/g**

Maximum value of SAR (measured) = 0.558 mW/g





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## **GSM 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **GSM Body Face Down High CH251/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.580 mW/g

## **GSM Body Face Down High CH251/Zoom Scan (5x5x7)/Cube 0:**

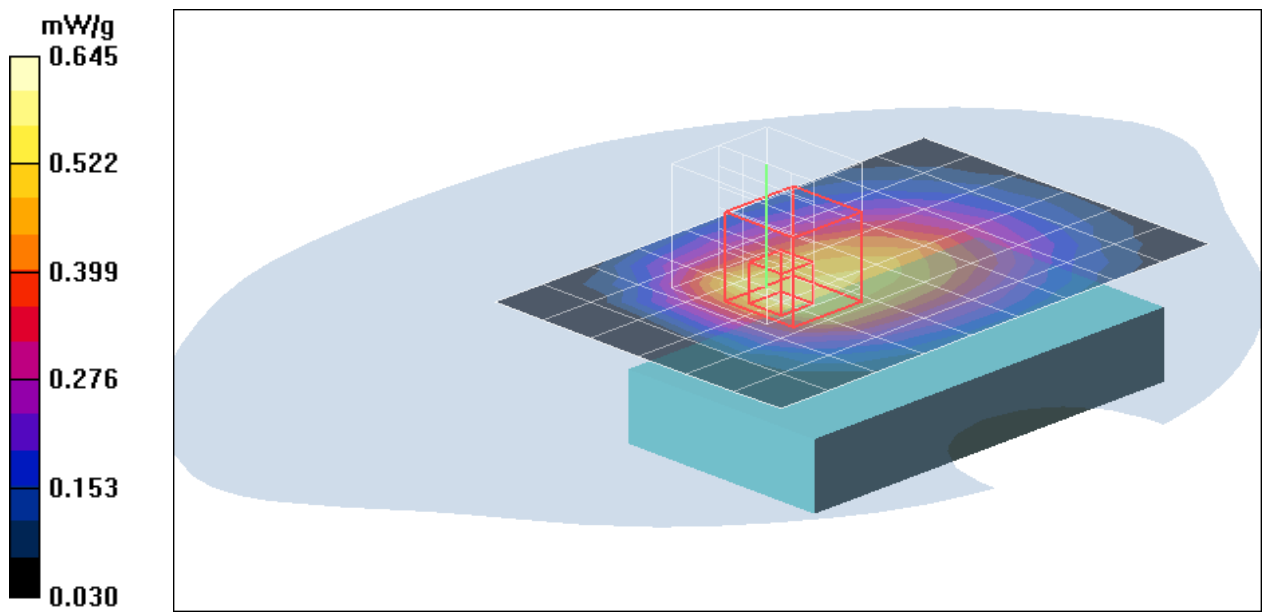
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.6 V/m; Power Drift = -0.000 dB

Peak SAR (extrapolated) = 0.771 W/kg

**SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.362 mW/g**

Maximum value of SAR (measured) = 0.585 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GPRS 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.922$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **GPRS Body Face Up Middle CH190/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.306 mW/g

## **GPRS Body Face Up Middle CH190/Zoom Scan (5x5x7)/Cube 0:**

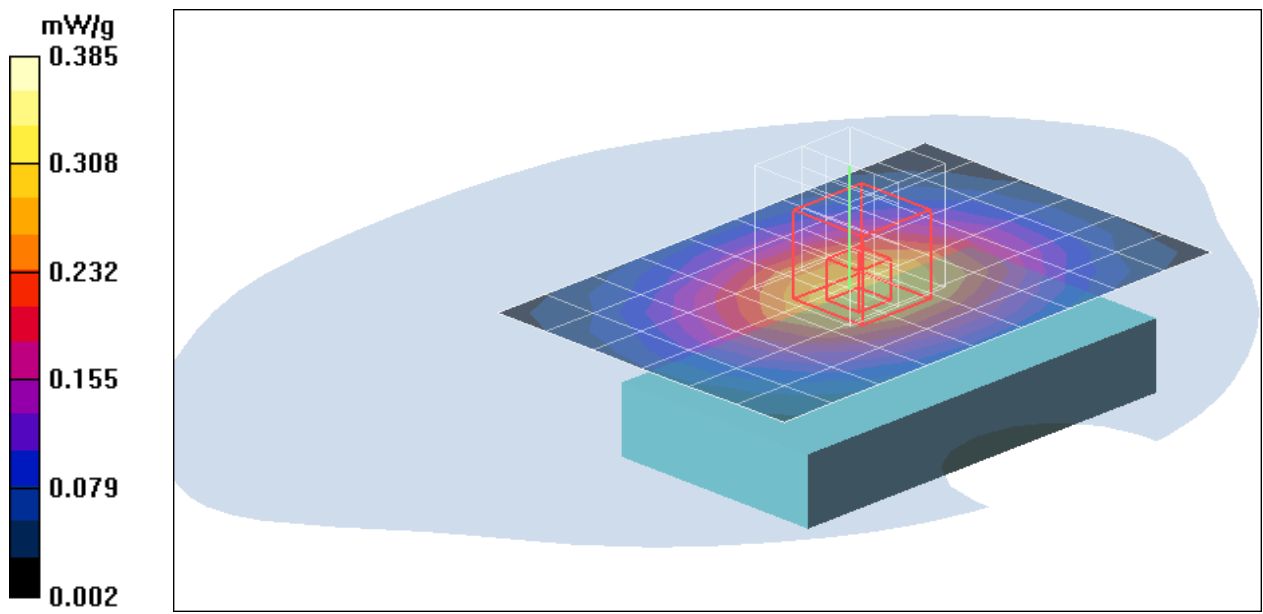
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.3 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.357 W/kg

**SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.206 mW/g**

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



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## **GPRS 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.911$  mho/m;  $\epsilon_r = 55.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **GPRS Body Face Down Low CH128/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.03 mW/g

## **GPRS Body Face Down Low CH128/Zoom Scan (5x5x7)/Cube 0:**

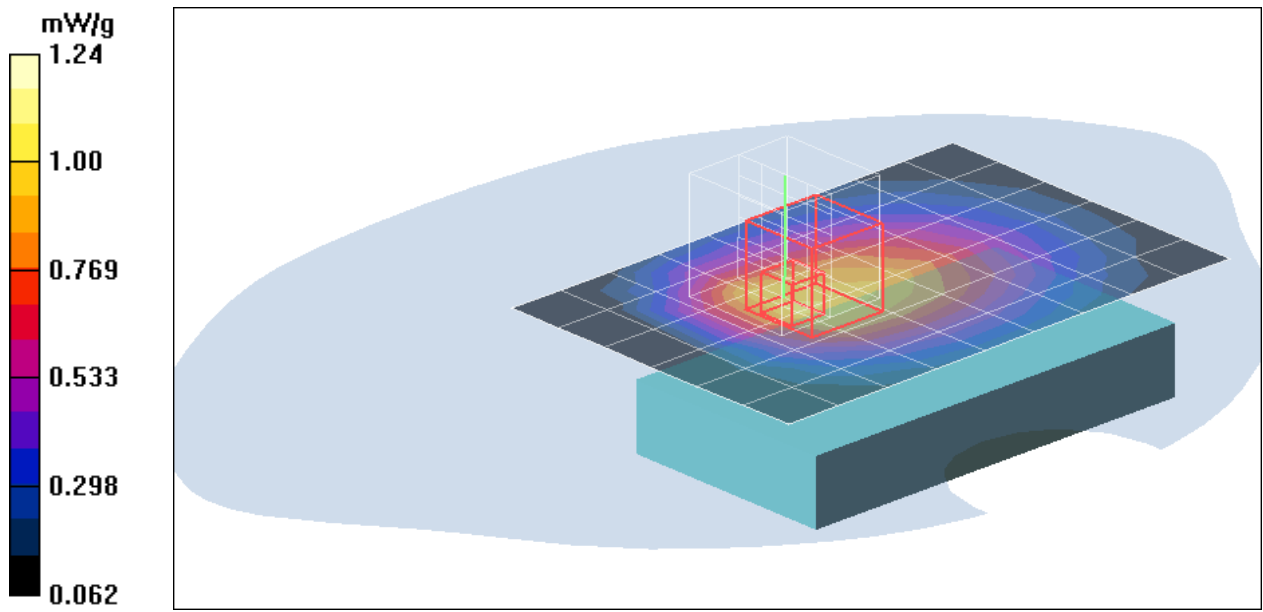
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 26.3 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.915 mW/g; SAR(10 g) = 0.653 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g



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## **GPRS 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.922$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **GPRS Body Face Down Middle CH190/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.02 mW/g

## **GPRS Body Face Down Middle CH190/Zoom Scan (5x5x7)/Cube**

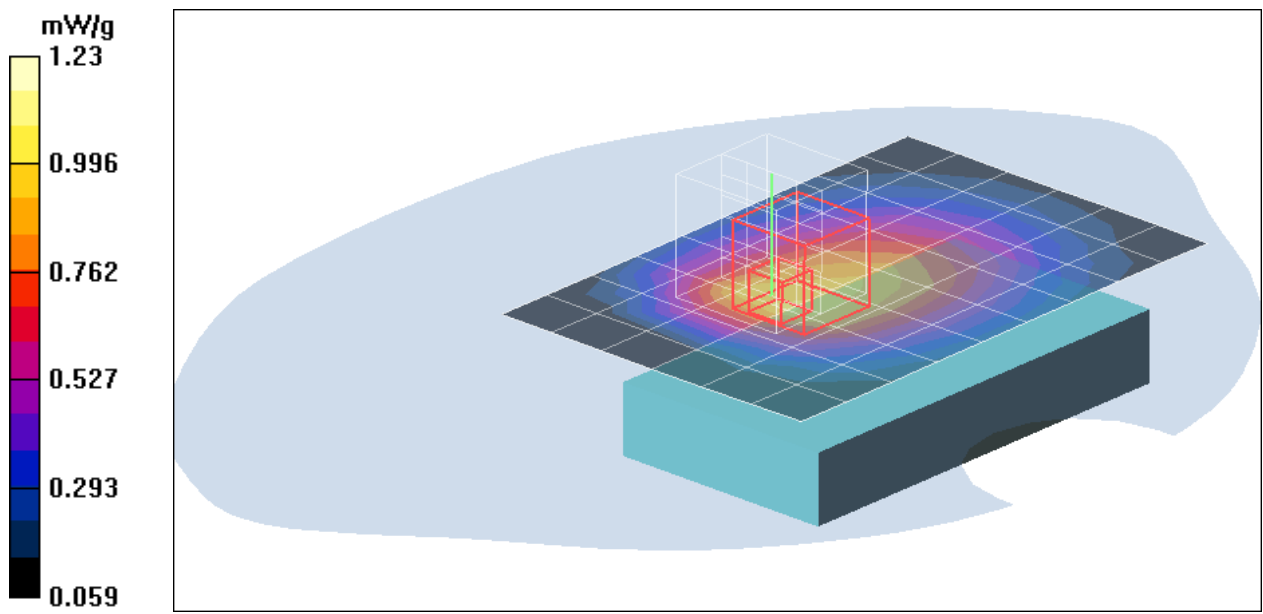
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.5 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.645 mW/g**

Maximum value of SAR (measured) = 1.03 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **GPRS 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: GPRS 850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **GPRS Body Face Down High CH251/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.05 mW/g

## **GPRS Body Face Down High CH251/Zoom Scan (5x5x7)/Cube 0:**

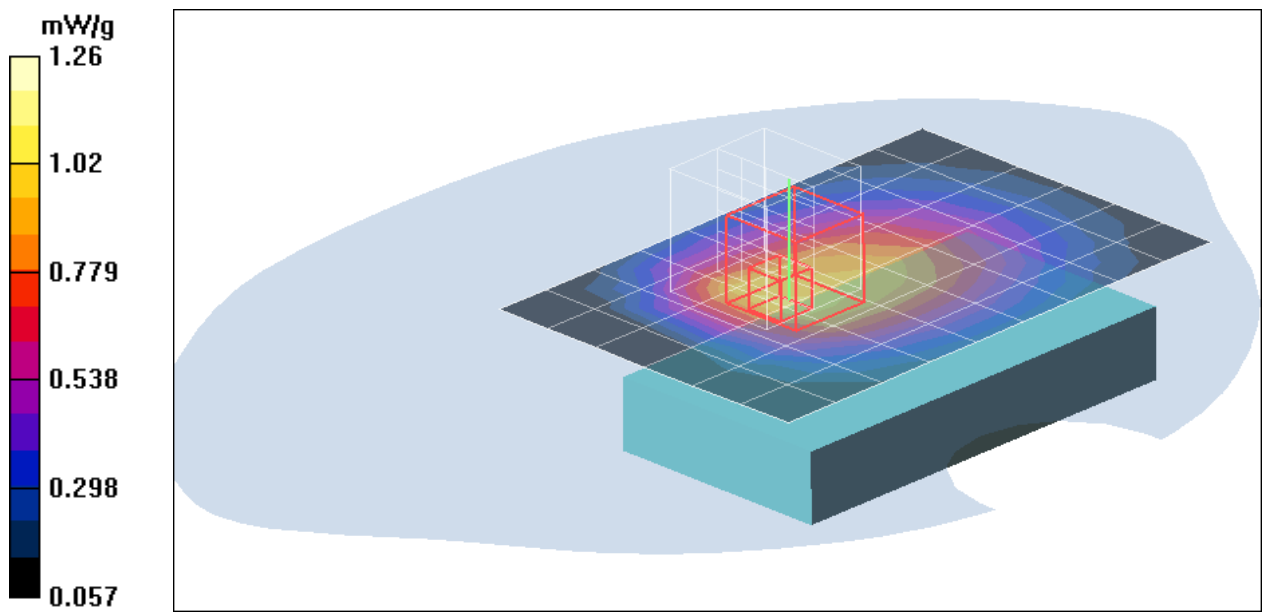
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.6 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.38 W/kg

**SAR(1 g) = 0.936 mW/g; SAR(10 g) = 0.662 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## **EGPRS 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: EGPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.922$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **EGPRS Body Face Up Middle CH190/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.085 mW/g

## **EGPRS Body Face Up Middle CH190/Zoom Scan (5x5x7)/Cube**

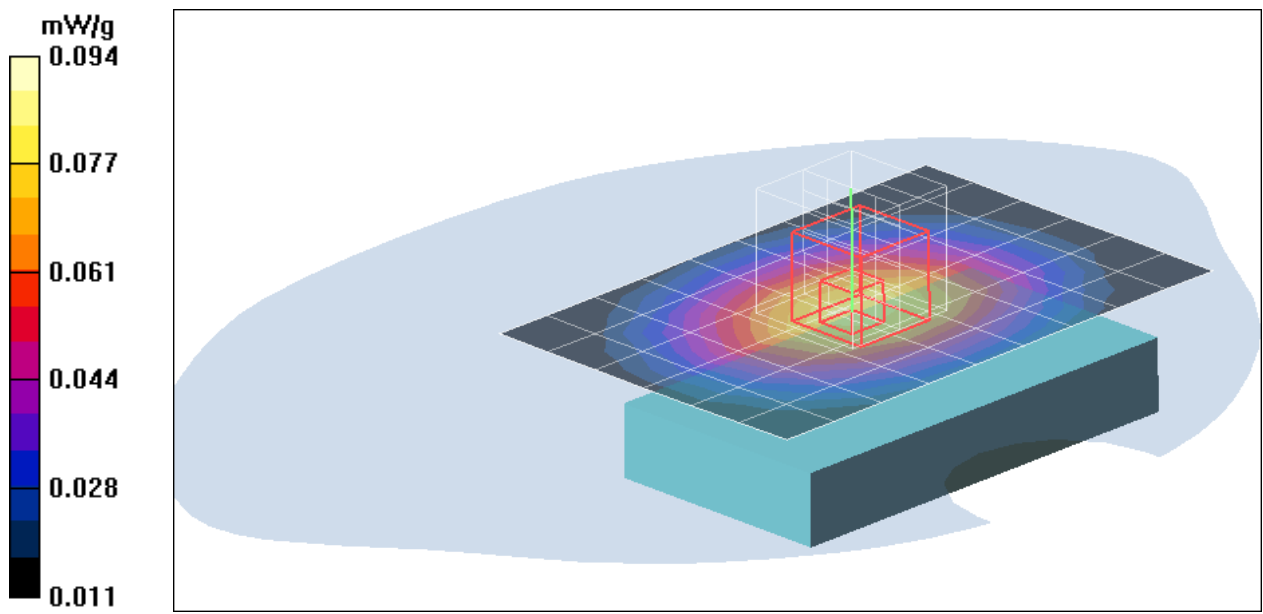
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.50 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.097 W/kg

**SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.056 mW/g**

Maximum value of SAR (measured) = 0.084 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **EGPRS 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: EGPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.911$  mho/m;  $\epsilon_r = 55.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **EGPRS Body Face Down Low CH128/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.312 mW/g

## **EGPRS Body Face Down Low CH128/Zoom Scan (5x5x7)/Cube**

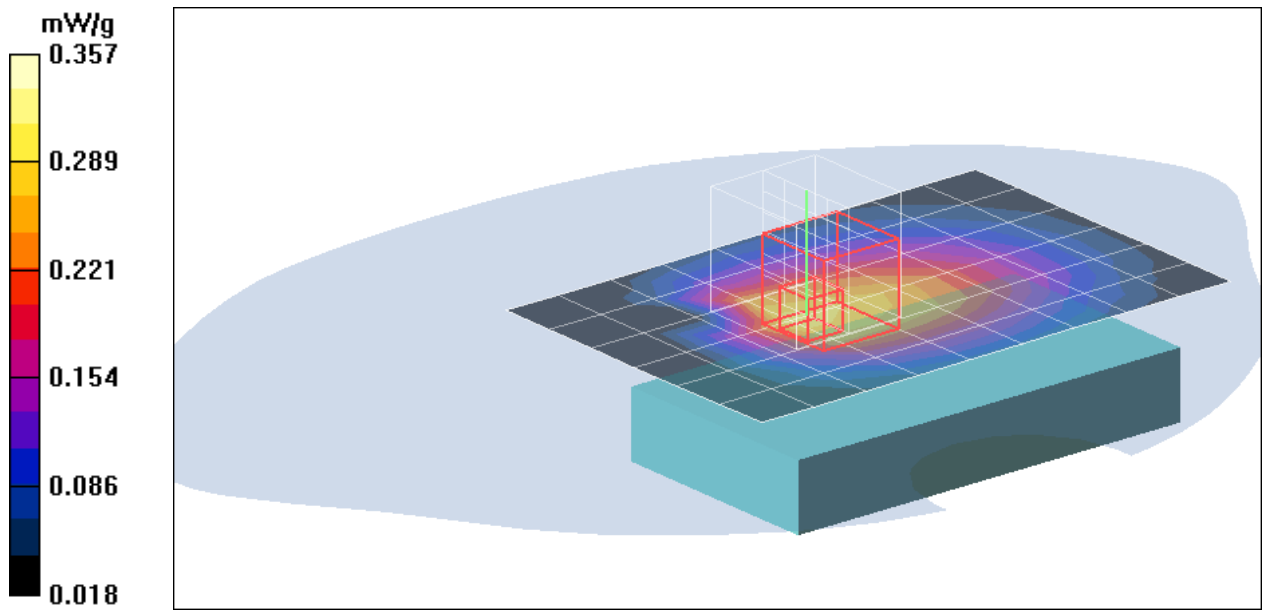
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.401 W/kg

**SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.190 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## **EGPRS 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: EGPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.922$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **EGPRS Body Face Down Middle CH190/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

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

## **EGPRS Body Face Down Middle CH190/Zoom Scan**

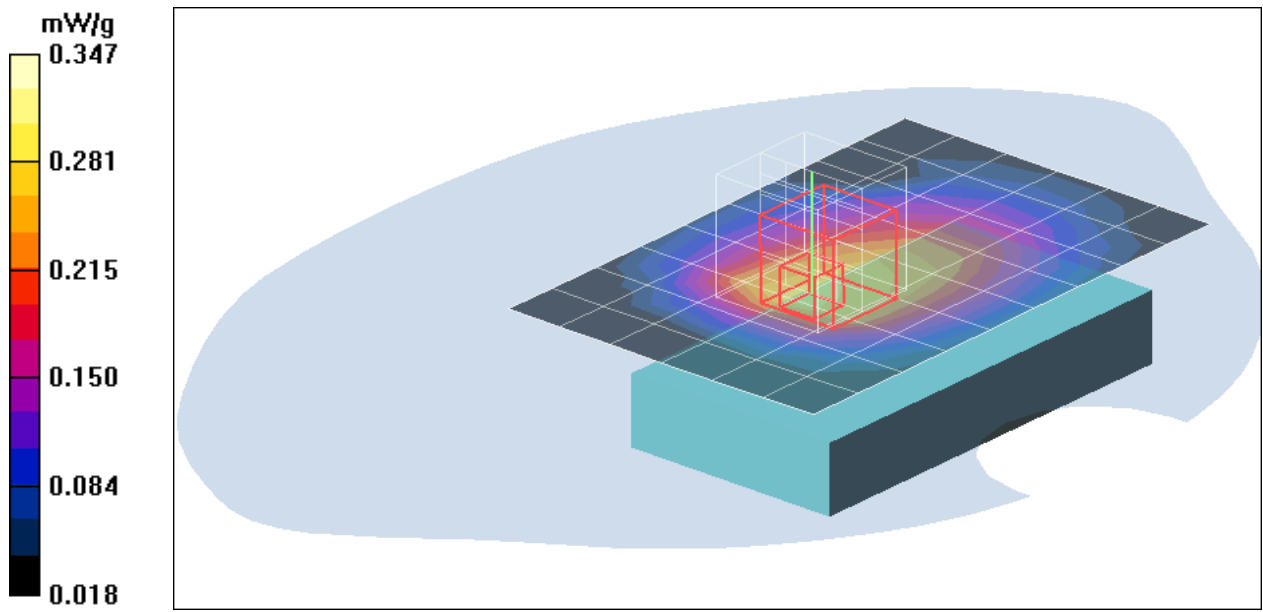
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.185 mW/g**

Maximum value of SAR (measured) = 0.297 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **EGPRS 835-Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: EGPRS 850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **EGPRS Body Face Down High CH251/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.312 mW/g

### **EGPRS Body Face Down High CH251/Zoom Scan (5x5x7)/Cube**

**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.407 W/kg

**SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.190 mW/g**

Maximum value of SAR (measured) = 0.314 mW/g

### **EGPRS Body Face Down High CH251/Zoom Scan (5x5x7)/Cube**

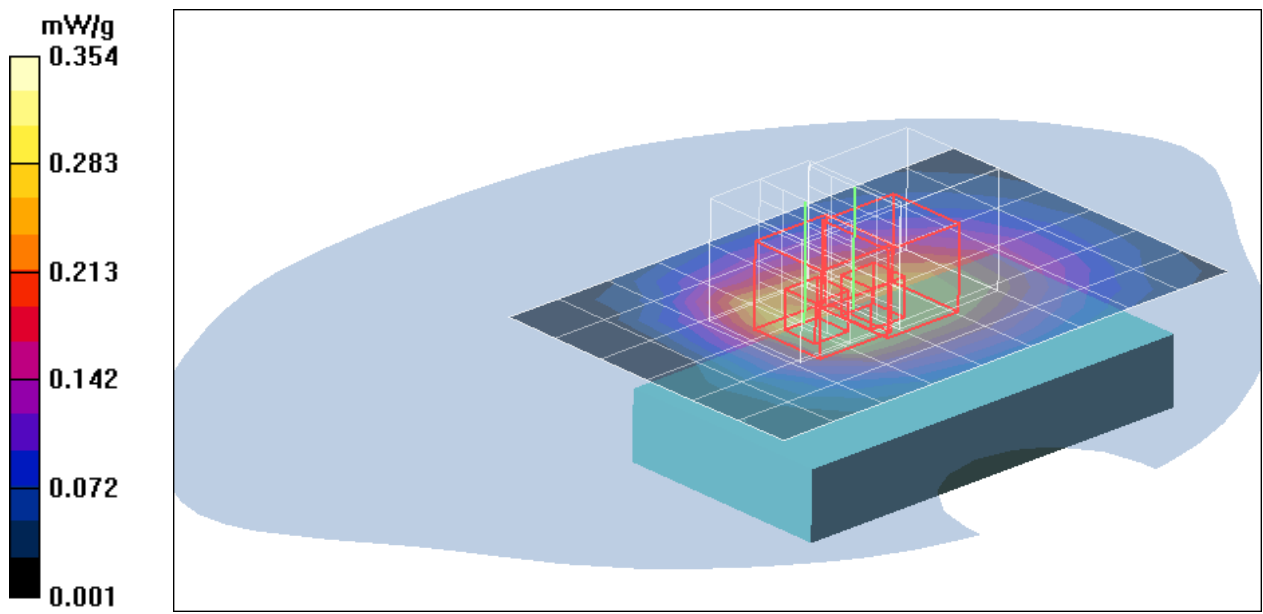
**1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.342 W/kg

**SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.186 mW/g**

Maximum value of SAR (measured) = 0.289 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**GSM Body Face Up Middle CH661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

**GSM Body Face Up Middle CH661/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = -0.066 dB

Peak SAR (extrapolated) = 0.424 W/kg

**SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.151 mW/g**

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

**GSM Body Face Up Middle CH661/Zoom Scan (5x5x7)/Cube 1:**

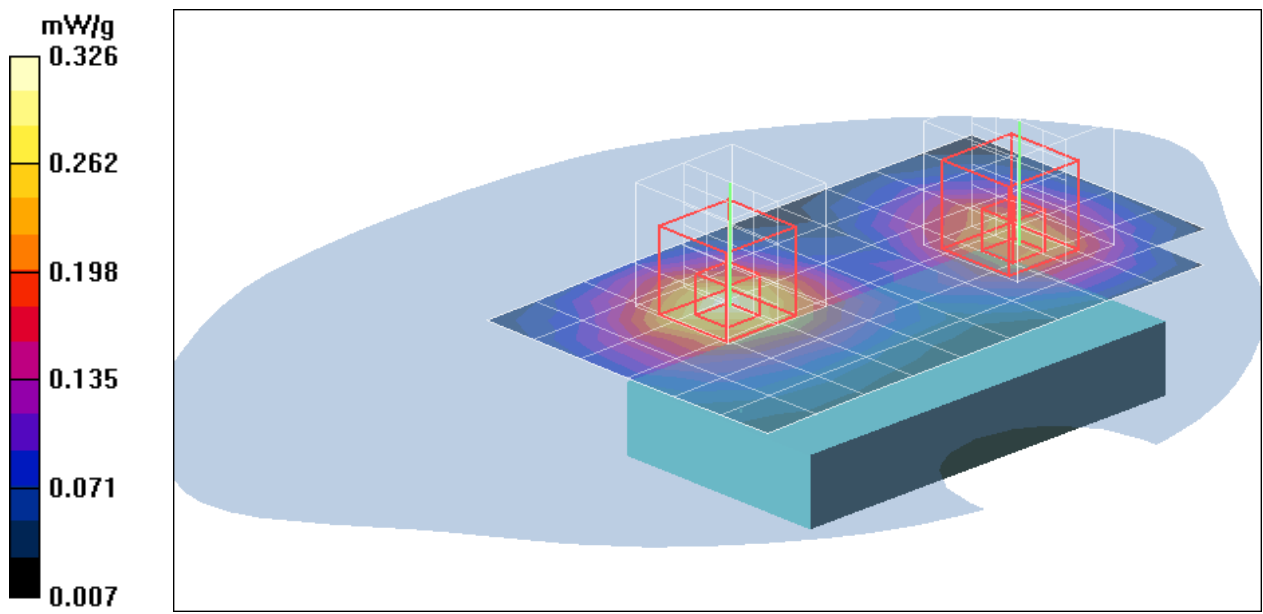
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = -0.066 dB

Peak SAR (extrapolated) = 0.320 W/kg

**SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.127 mW/g**

Maximum value of SAR (measured) = 0.253 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**GSM Body Face Down Low CH512/Area Scan (6x11x1):** Measurement

grid: dx=15mm, dy=15mm

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

**GSM Body Face Down Low CH512/Zoom Scan (5x5x7)/Cube 0:**

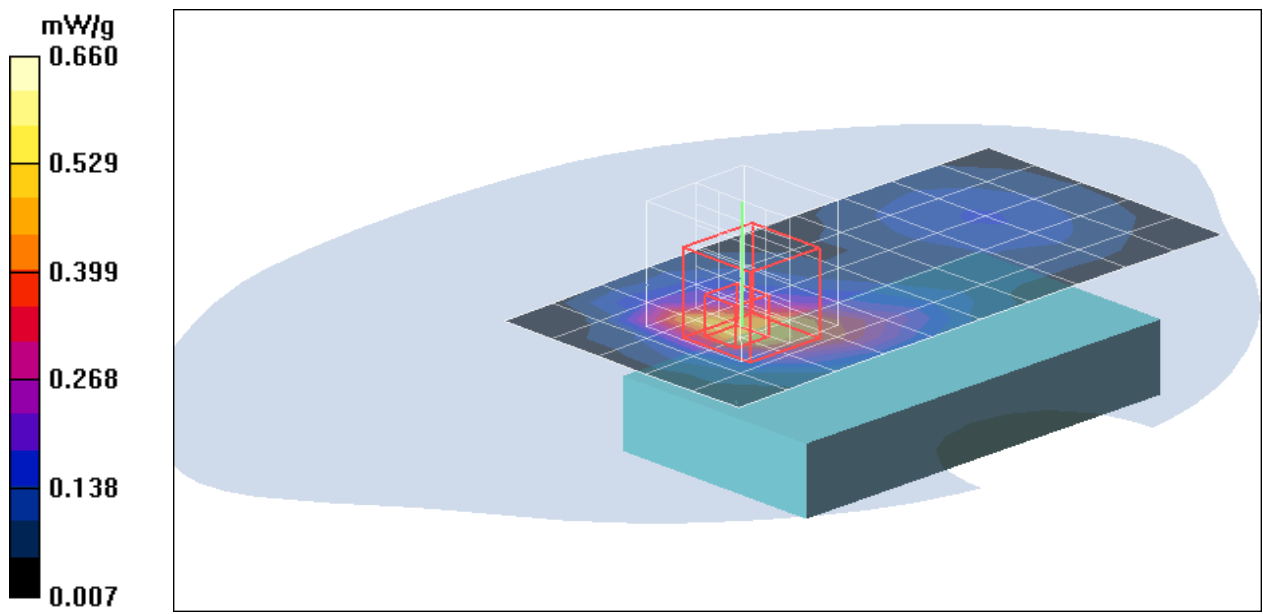
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.8 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.828 W/kg

**SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.246 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **GSM Body Face Down Middle CH661/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.581 mW/g

## **GSM Body Face Down Middle CH661/Zoom Scan (5x5x7)/Cube**

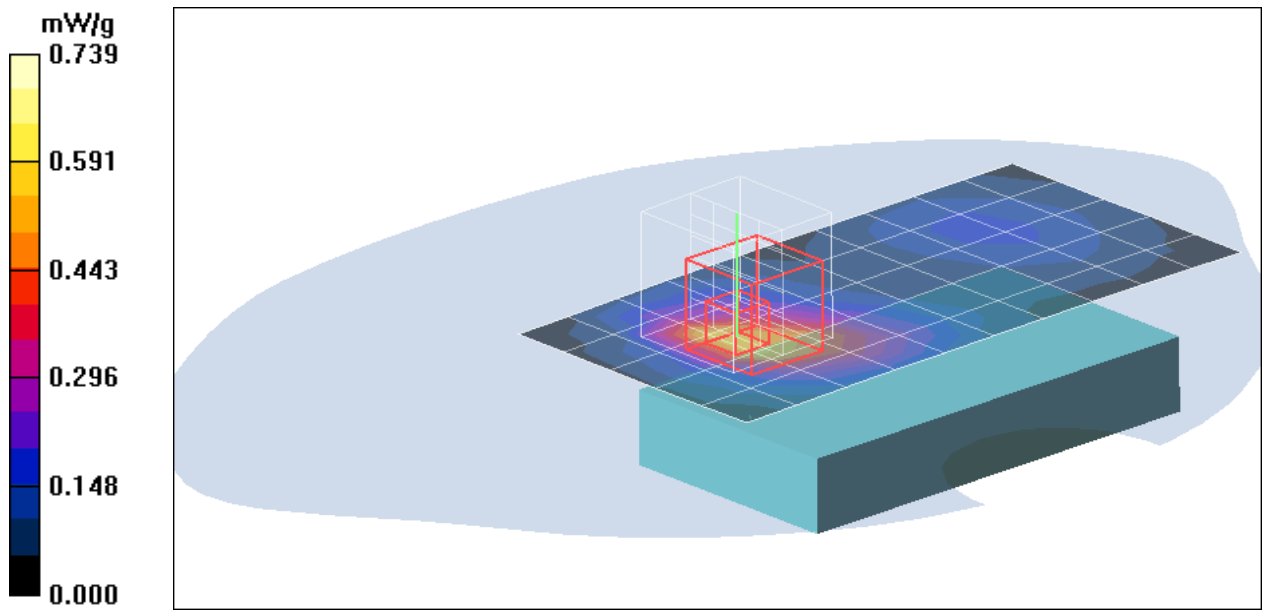
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 21.7 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.286 mW/g**

Maximum value of SAR (measured) = 0.679 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **GSM 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8

Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **GSM Body Face Down High CH810/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.999 mW/g

### **GSM Body Face Down High CH810/Zoom Scan (5x5x7)/Cube 0:**

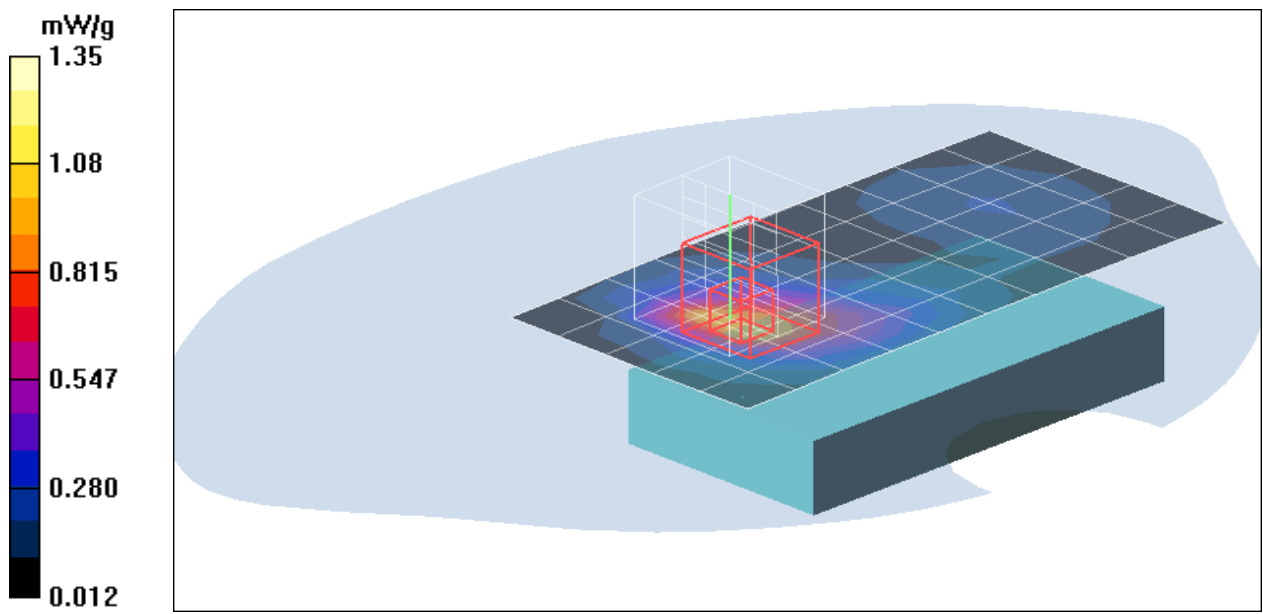
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.6 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.462 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## **GPRS 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **GPRS Body Face Up Middle CH661/Area Scan (7x11x1):**

Measurement grid: dx=15mm, dy=15mm

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

### **GPRS Body Face Up Middle CH661/Zoom Scan (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 1.63 W/kg

**SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.232 mW/g**

Maximum value of SAR (measured) = 0.626 mW/g

### **GPRS Body Face Up Middle CH661/Zoom Scan (5x5x7)/Cube 1:**

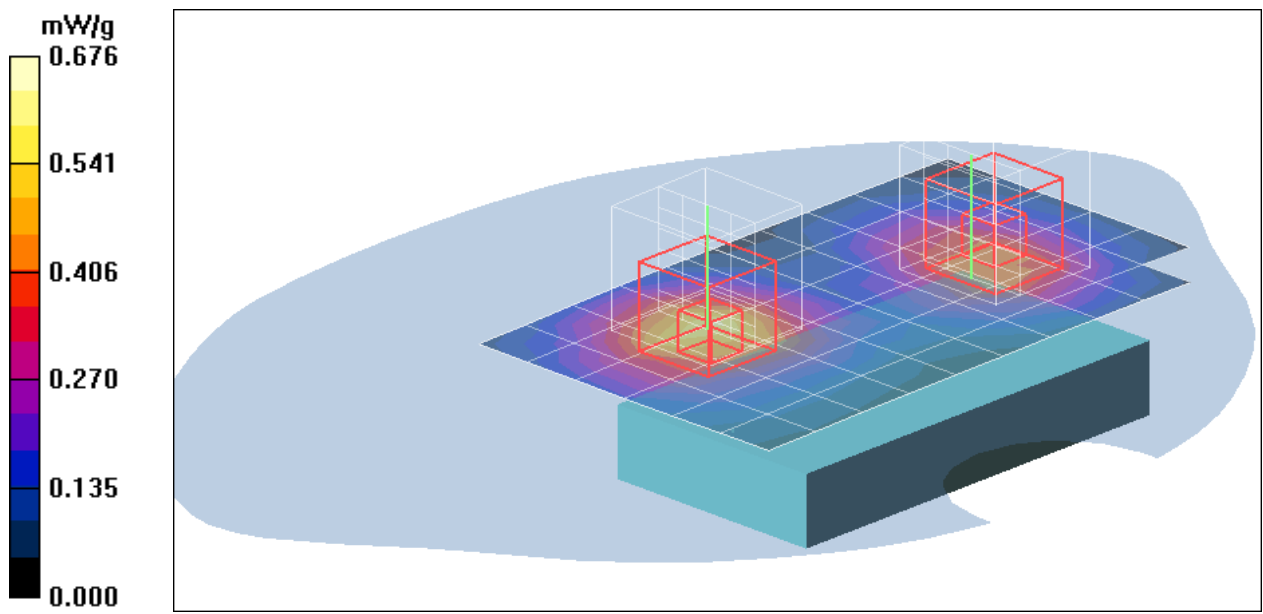
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 18.0 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.956 W/kg

**SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.182 mW/g**

Maximum value of SAR (measured) = 0.555 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GPRS 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **GPRS Body Face Down Low CH512/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.850 mW/g

## **GPRS Body Face Down Low CH512/Zoom Scan (5x5x7)/Cube 0:**

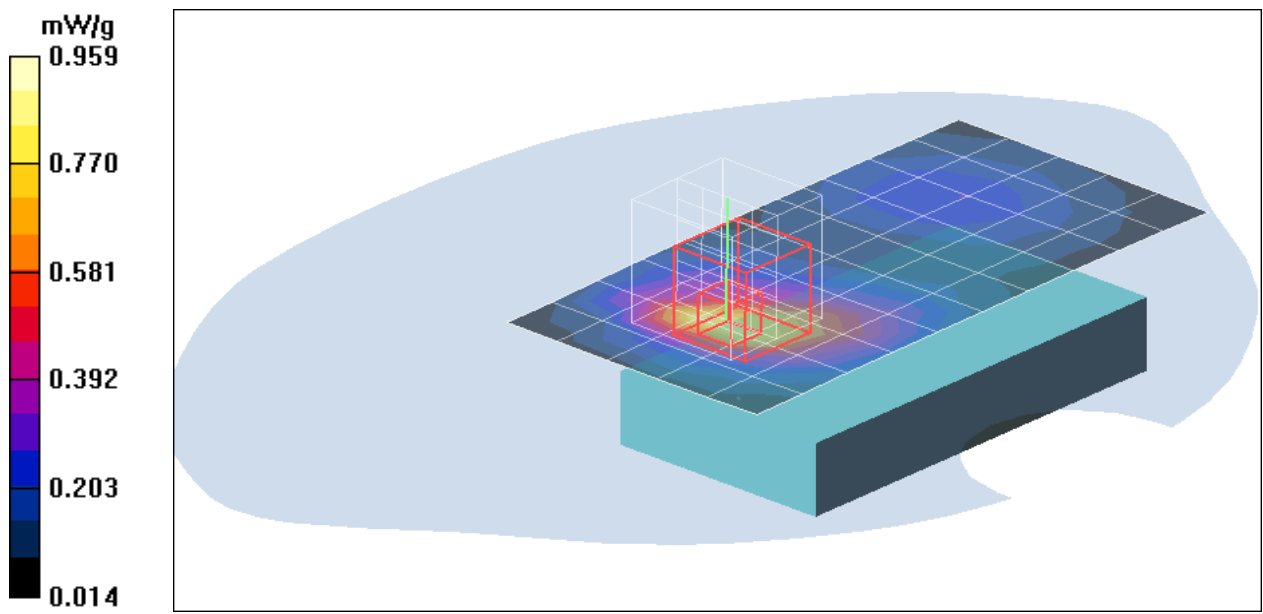
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.2 V/m; Power Drift = -0.000 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.384 mW/g**

Maximum value of SAR (measured) = 0.919 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **GPRS 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **GPRS Body Face Down Middle CH661/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.20 mW/g

## **GPRS Body Face Down Middle CH661/Zoom Scan (5x5x7)/Cube**

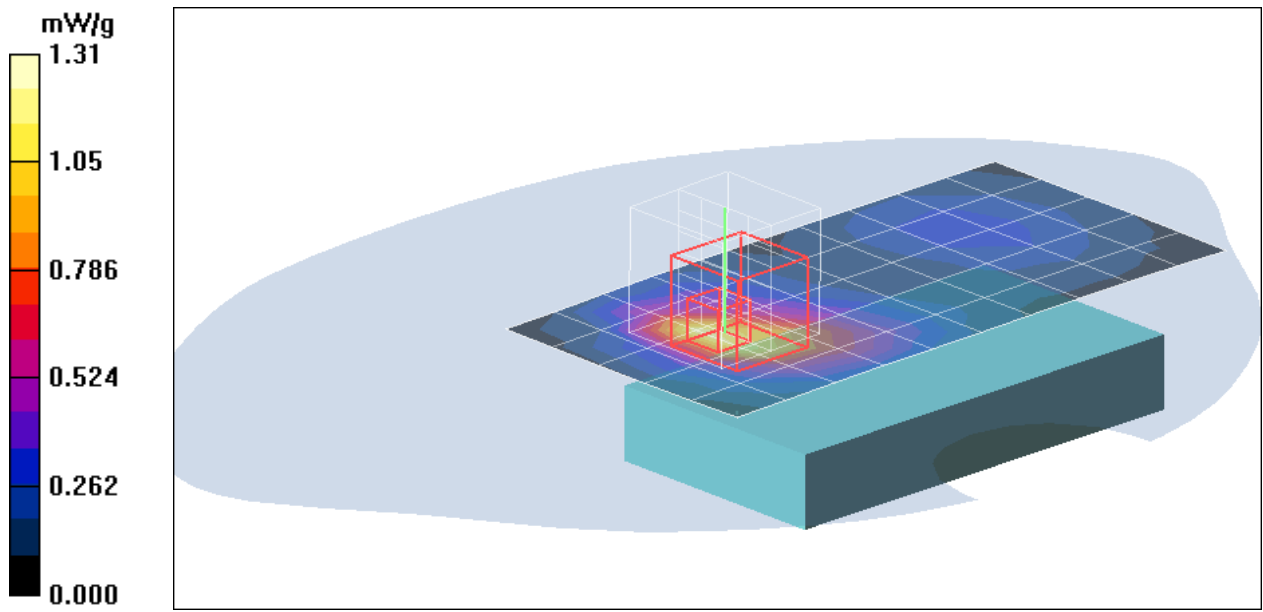
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 29.5 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 2.44 W/kg

**SAR(1 g) = 1.120 mW/g; SAR(10 g) = 0.569 mW/g**

Maximum value of SAR (measured) = 1.31 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **GPRS 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **GPRS Body Face Down High CH810/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.55 mW/g

## **GPRS Body Face Down High CH810/Zoom Scan (5x5x7)/Cube 0:**

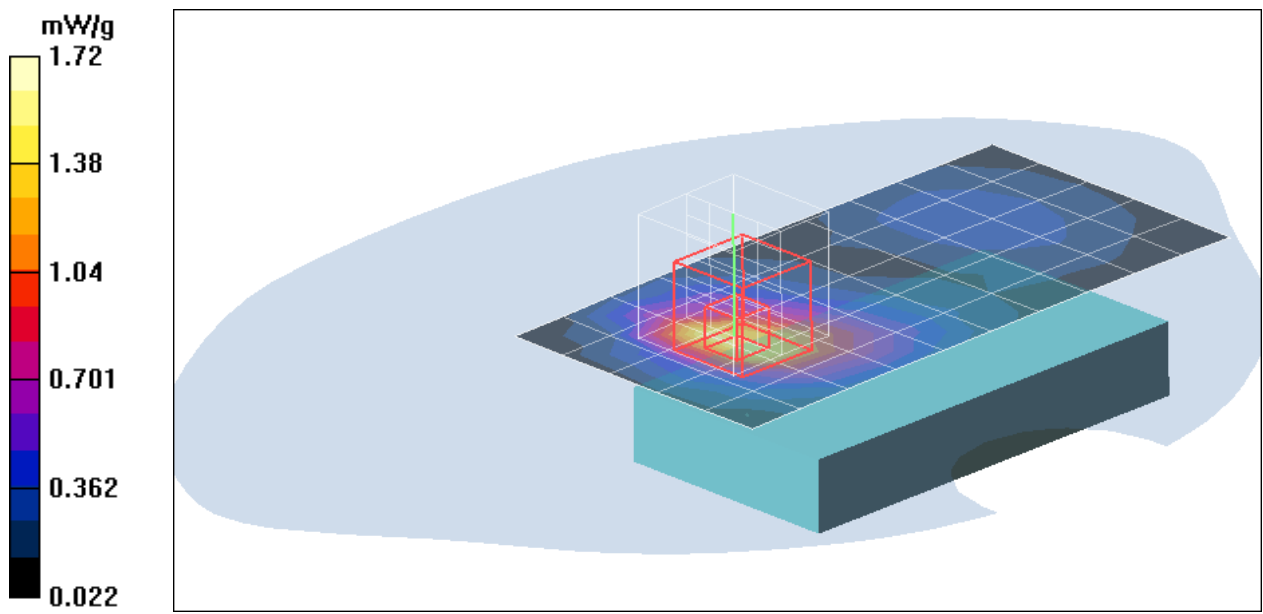
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 33.9 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 2.33 W/kg

**SAR(1 g) = 1.290 mW/g; SAR(10 g) = 0.700 mW/g**

Maximum value of SAR (measured) = 1.72 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **EGPRS 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: EGPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **EGPRS Body Face Up Middle CH661/Area Scan (7x11x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.205 mW/g

### **EGPRS Body Face Up Middle CH661/Zoom Scan (5x5x7)/Cube**

**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.273 W/kg

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.096 mW/g**

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

### **EGPRS Body Face Up Middle CH661/Zoom Scan (5x5x7)/Cube**

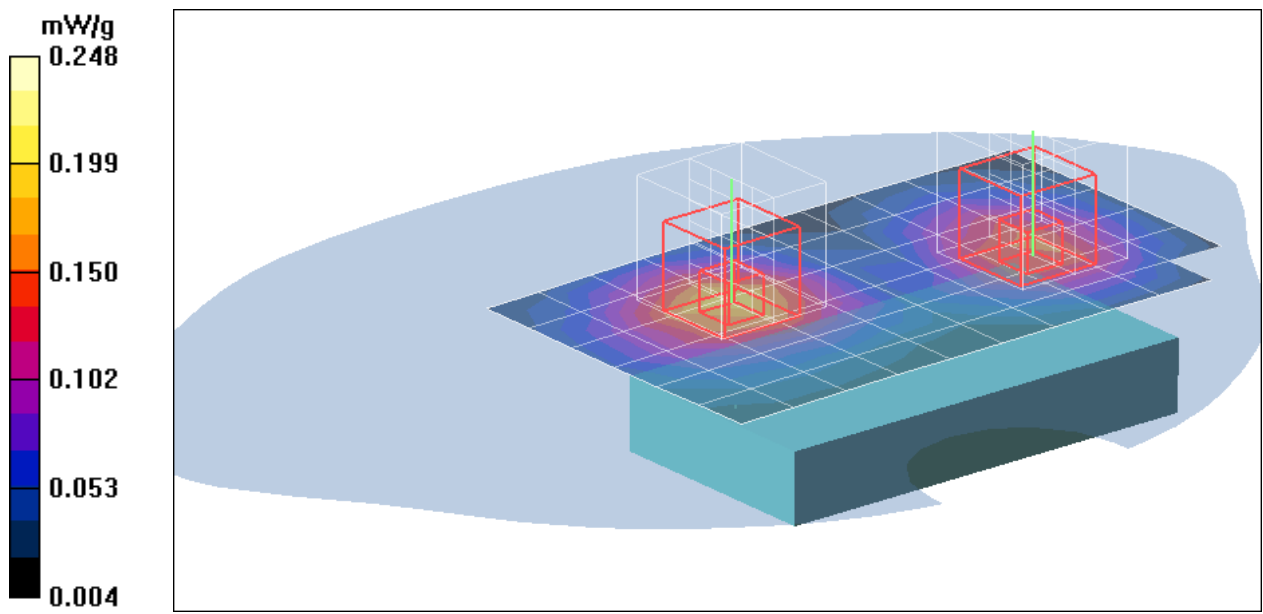
**1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.083 mW/g**

Maximum value of SAR (measured) = 0.166 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **EGPRS 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **EGPRS Body Face Down Low CH512/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

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

## **EGPRS Body Face Down Low CH512/Zoom Scan (5x5x7)/Cube**

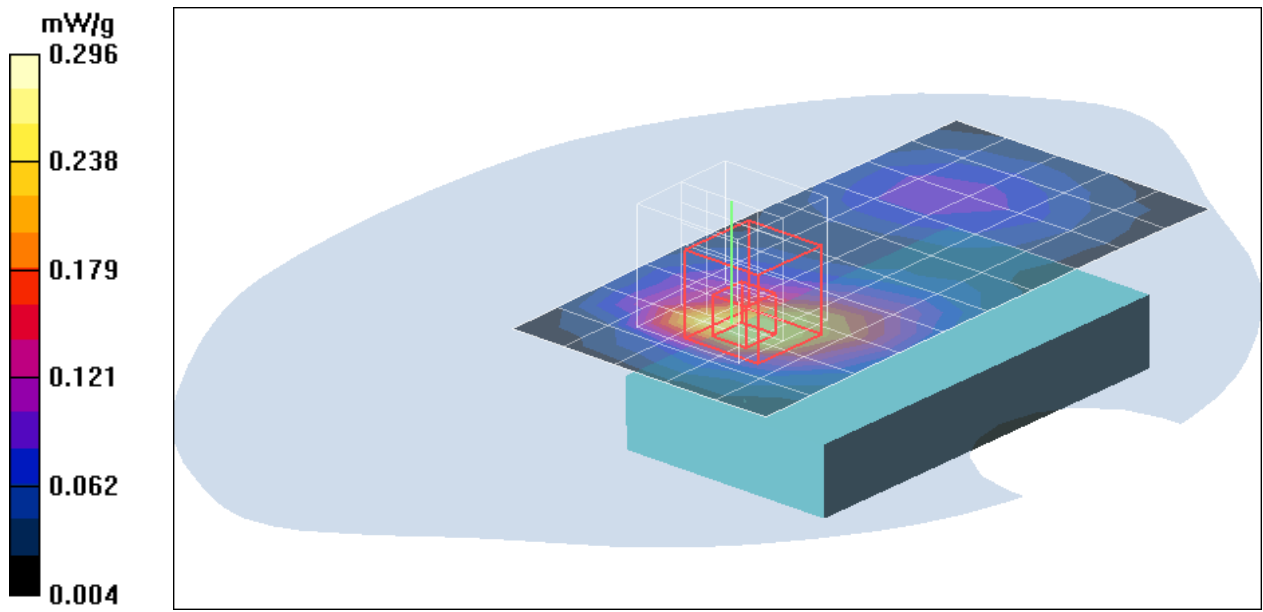
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 0.398 W/kg

**SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.126 mW/g**

Maximum value of SAR (measured) = 0.296 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **EGPRS 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: EGPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **EGPRS Body Face Down Middle CH661/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.369 mW/g

## **EGPRS Body Face Down Middle CH661/Zoom Scan**

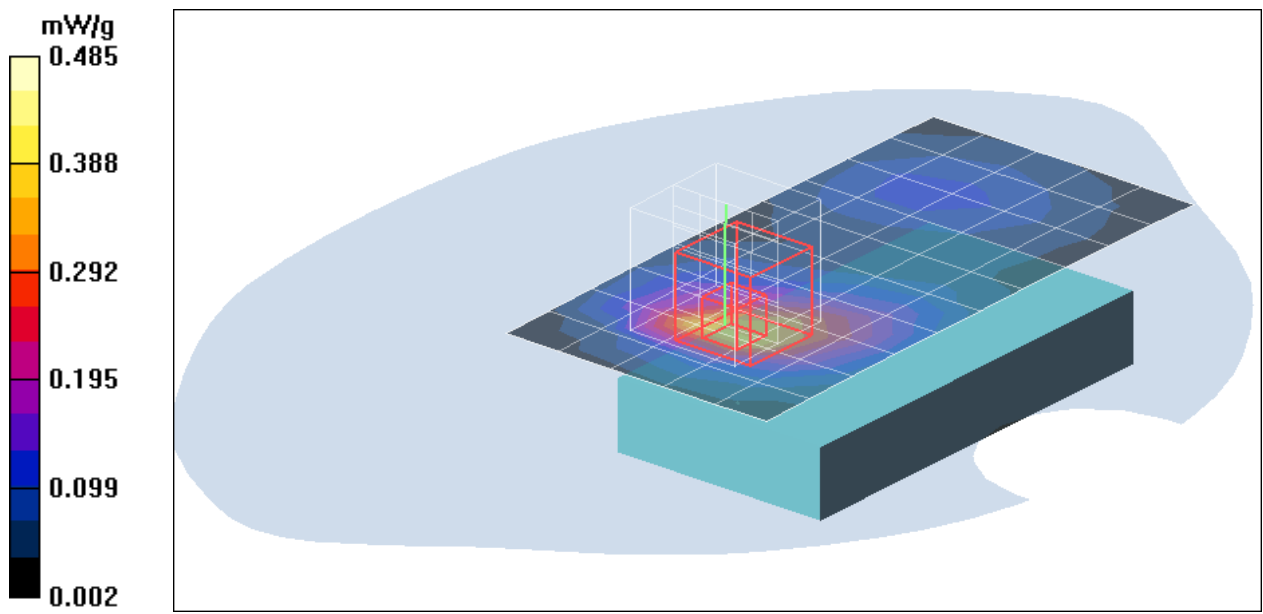
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.573 W/kg

**SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.179 mW/g**

Maximum value of SAR (measured) = 0.425 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **EGPRS 1900 -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **EGPRS Body Face Down High CH810/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

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

## **EGPRS Body Face Down High CH810/Zoom Scan (5x5x7)/Cube**

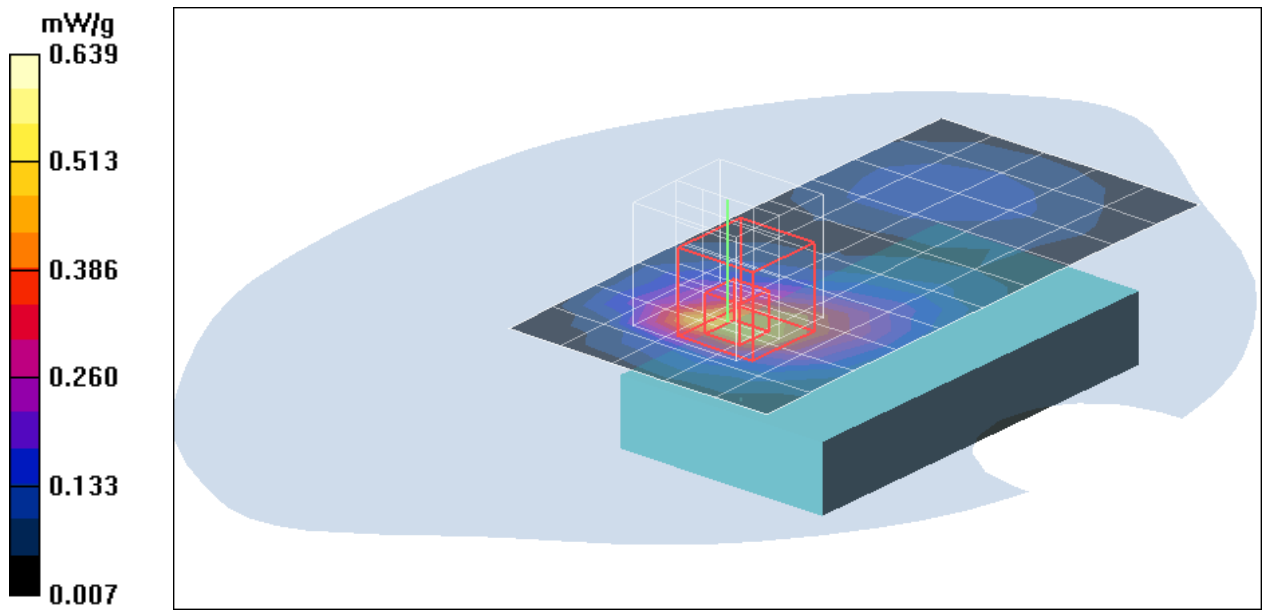
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 19.9 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.792 W/kg

**SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.242 mW/g**

Maximum value of SAR (measured) = 0.589 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band v -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.922$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **WCDMA Body Face Up Middle CH4182/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.118 mW/g

## **WCDMA Body Face Up Middle CH4182/Zoom Scan**

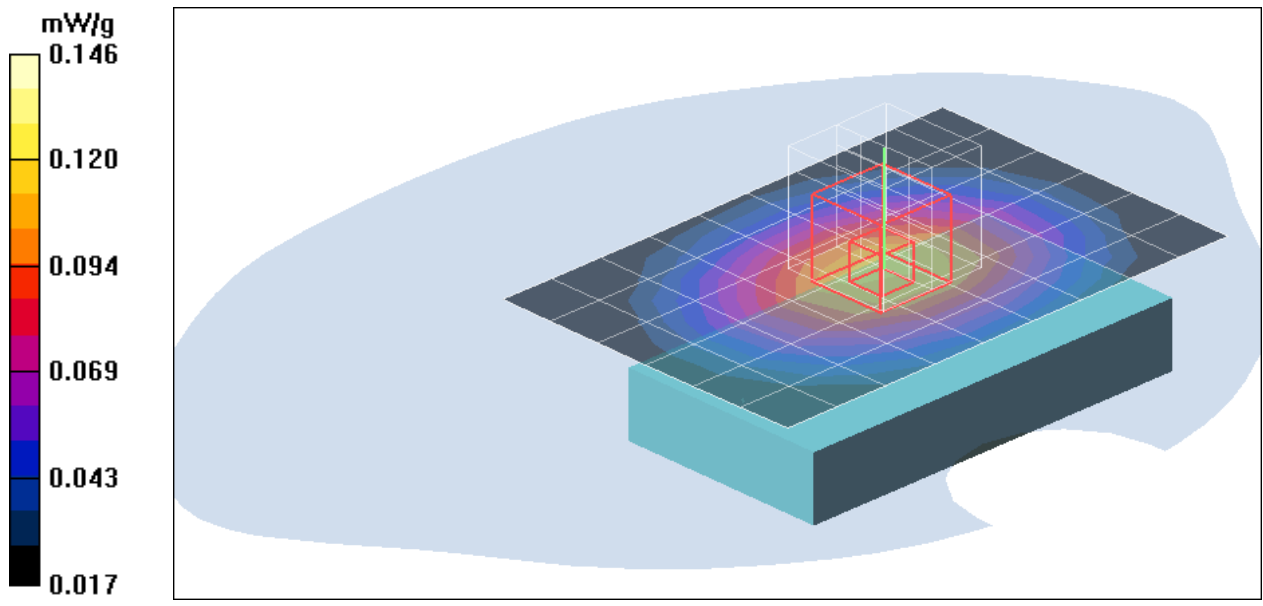
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.61 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.135 W/kg

**SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.078 mW/g**

Maximum value of SAR (measured) = 0.116 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band v -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.913$  mho/m;  $\epsilon_r = 55.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **WCDMA Body Face Down Low CH4132/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.384 mW/g

## **WCDMA Body Face Down Low CH4132/Zoom Scan**

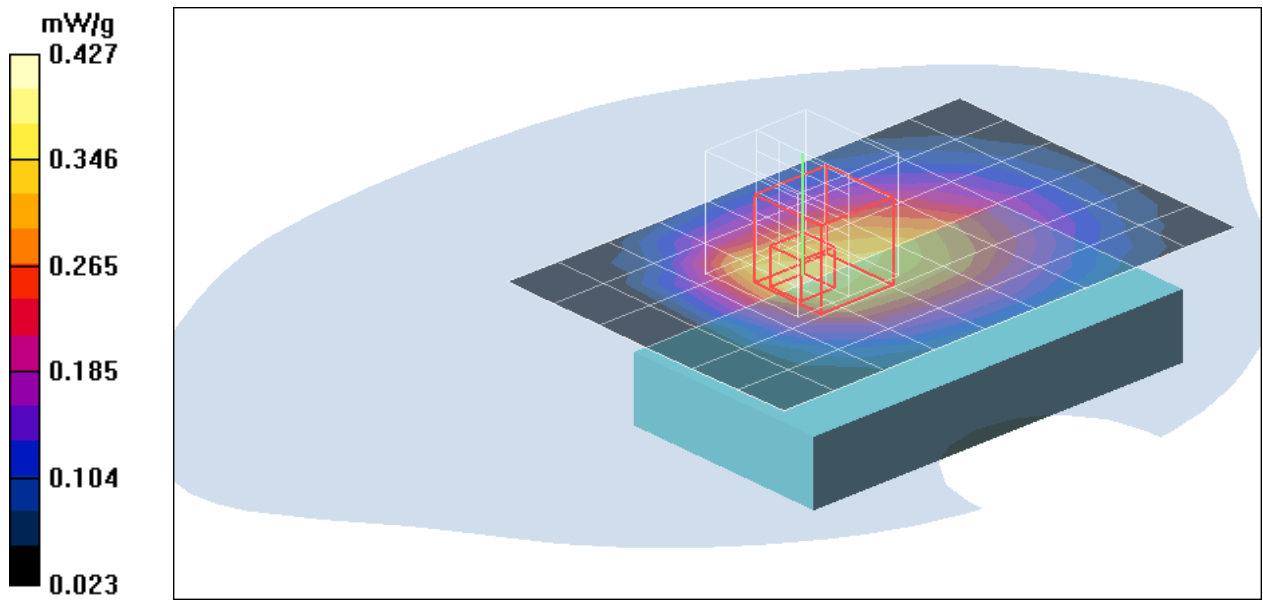
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.498 W/kg

**SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.241 mW/g**

Maximum value of SAR (measured) = 0.387 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band v -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.922$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **WCDMA Body Face Down Middle CH4182/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.422 mW/g

## **WCDMA Body Face Down Middle CH4182/Zoom Scan**

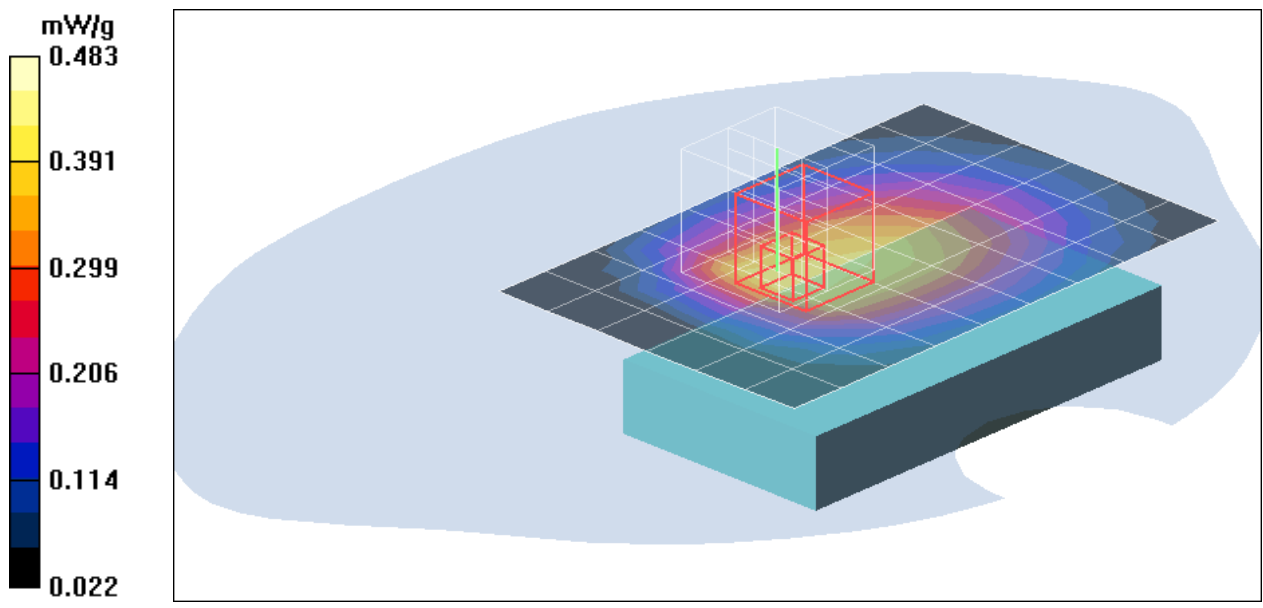
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.560 W/kg

**SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.267 mW/g**

Maximum value of SAR (measured) = 0.433 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **WCDMA band v -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.931$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **WCDMA Body Face Down High CH4233/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.500 mW/g

## **WCDMA Body Face Down High CH4233/Zoom Scan**

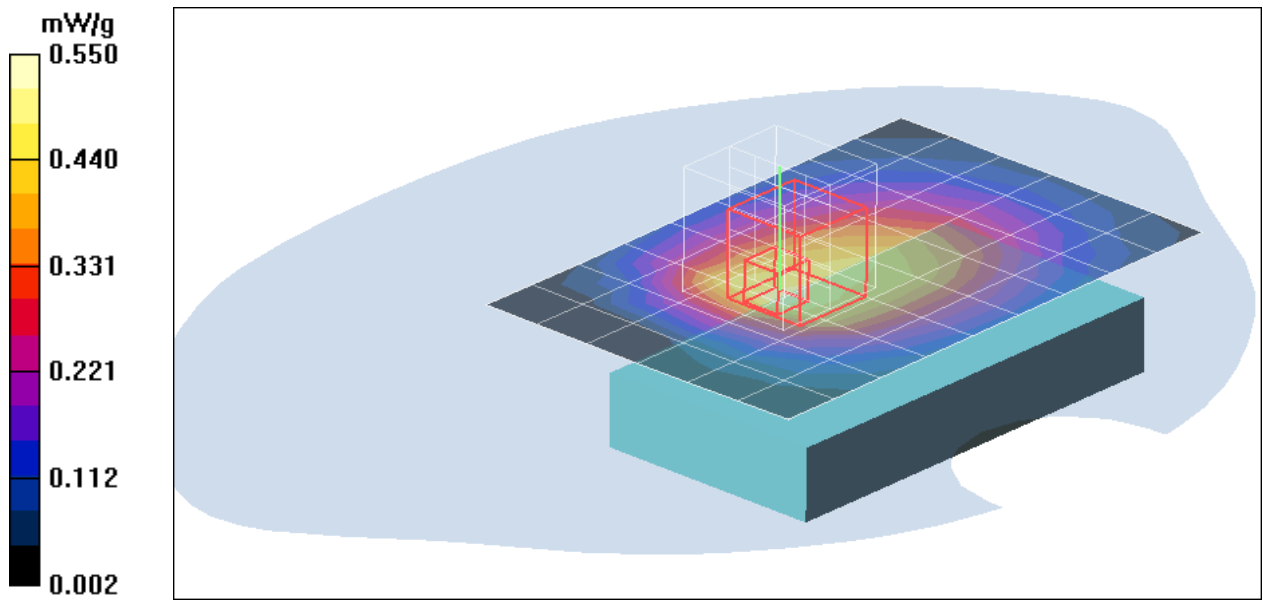
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.4 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 0.644 W/kg

**SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.312 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## **HSDPA band v -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.922$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **HSDPA Body Face Up Middle CH4182/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.123 mW/g

## **HSDPA Body Face Up Middle CH4182/Zoom Scan (5x5x7)/Cube**

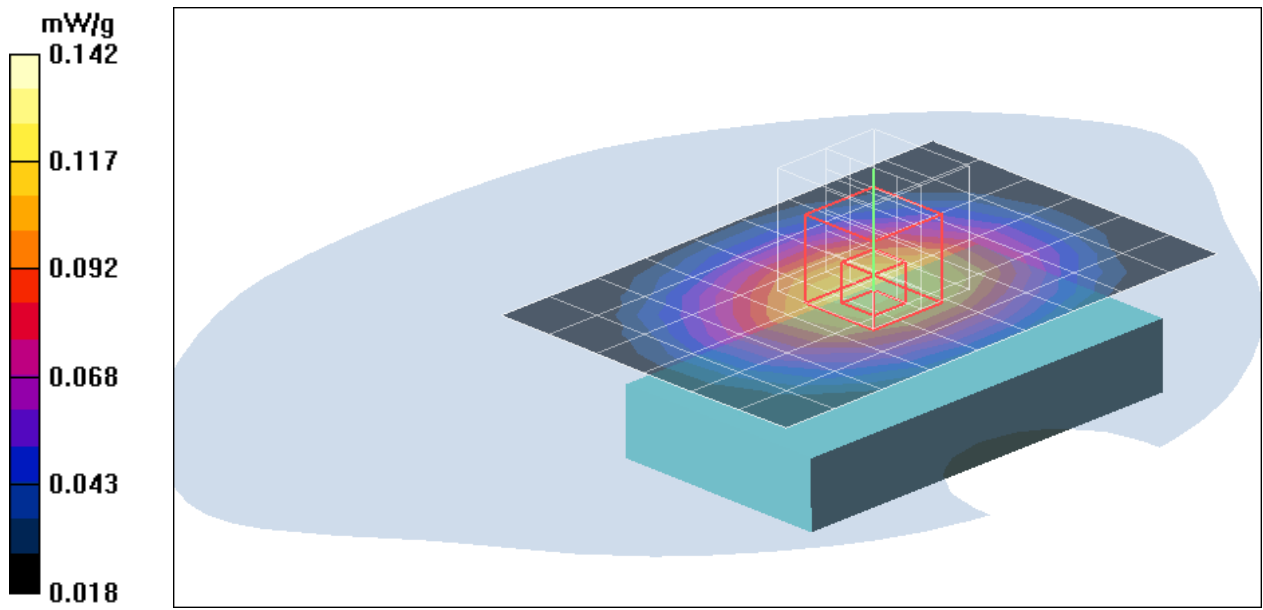
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.98 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.142 W/kg

**SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.122 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **HSDPA band v -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: HSDPA Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.913$  mho/m;  $\epsilon_r = 55.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **HSDPA Body Face Down Low CH4132/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.356 mW/g

## **HSDPA Body Face Down Low CH4132/Zoom Scan (5x5x7)/Cube**

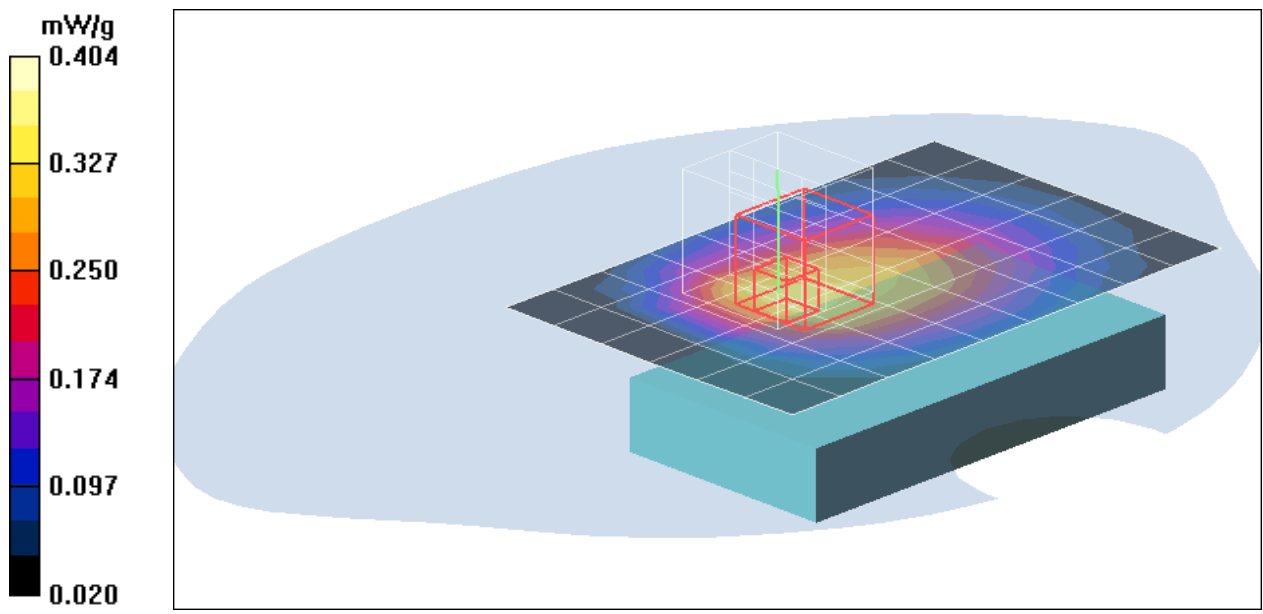
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.464 W/kg

**SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.225 mW/g**

Maximum value of SAR (measured) = 0.354 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **HSDPA band v -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

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

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.922$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **HSDPA Body Face Down Middle CH4182/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.411 mW/g

## **HSDPA Body Face Down Middle CH4182/Zoom Scan**

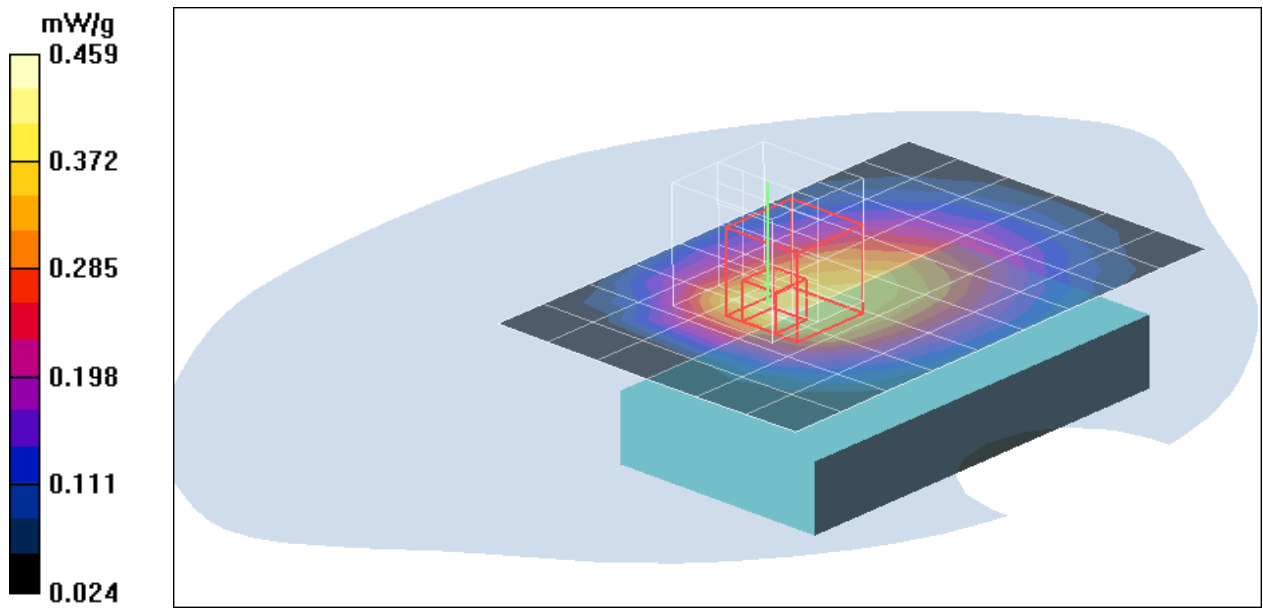
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.556 W/kg

**SAR(1 g) = 0.371 mW/g; SAR(10 g) = 0.264 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

## **HSDPA band v -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: HSDPA Band V; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.931$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.8 deg C; Liquid Temperature: 23.8 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552; ConvF(9.14, 9.14, 9.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **HSDPA Body Face Down High CH4233/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.460 mW/g

## **HSDPA Body Face Down High CH4233/Zoom Scan**

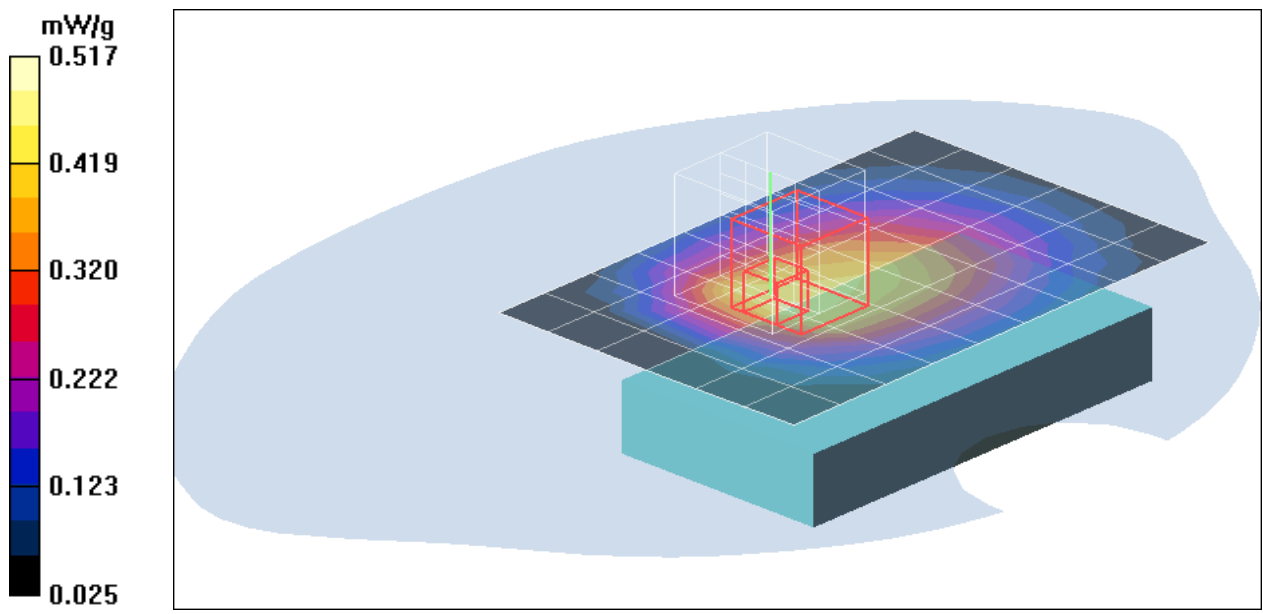
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.8 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.599 W/kg

**SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.289 mW/g**

Maximum value of SAR (measured) = 0.457 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WDMA Band II -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **WCDMA Body Face Up Middle CH9400/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

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

## **WCDMA Body Face Up Middle CH9400/Zoom Scan**

**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.724 W/kg

**SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.255 mW/g**

Maximum value of SAR (measured) = 0.554 mW/g

## **WCDMA Body Face Up Middle CH9400/Zoom Scan**

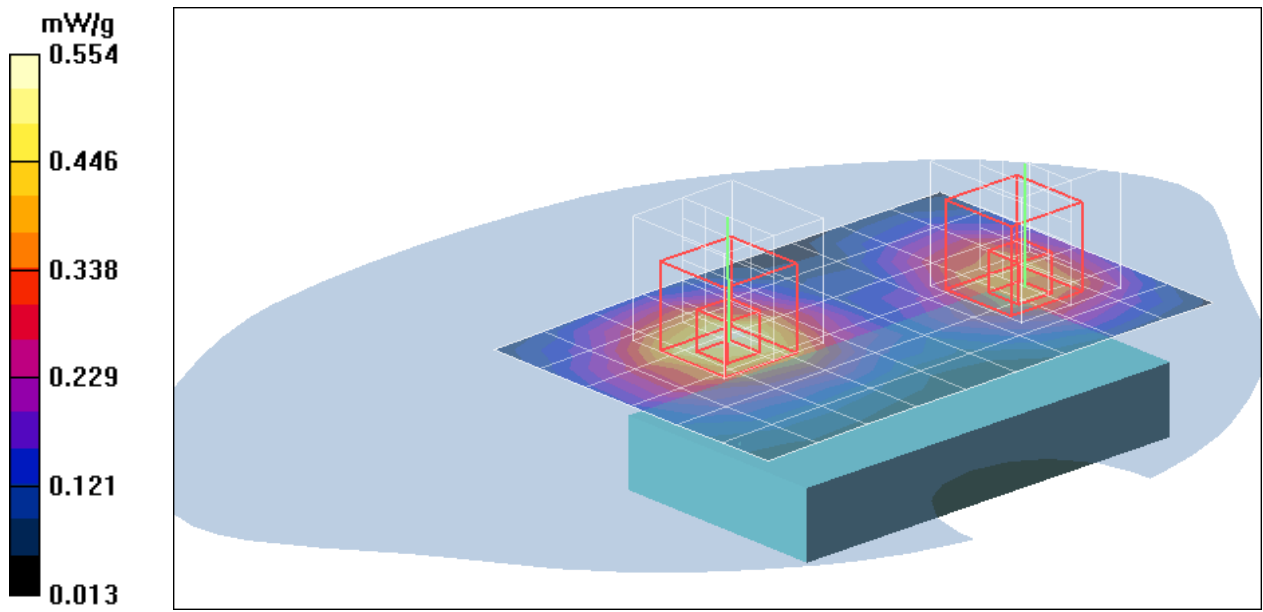
**(5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.519 W/kg

**SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.205 mW/g**

Maximum value of SAR (measured) = 0.410 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WDMA Band II -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **WCDMA Body Face Down Low CH9262/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.839 mW/g

## **WCDMA Body Face Down Low CH9262/Zoom Scan**

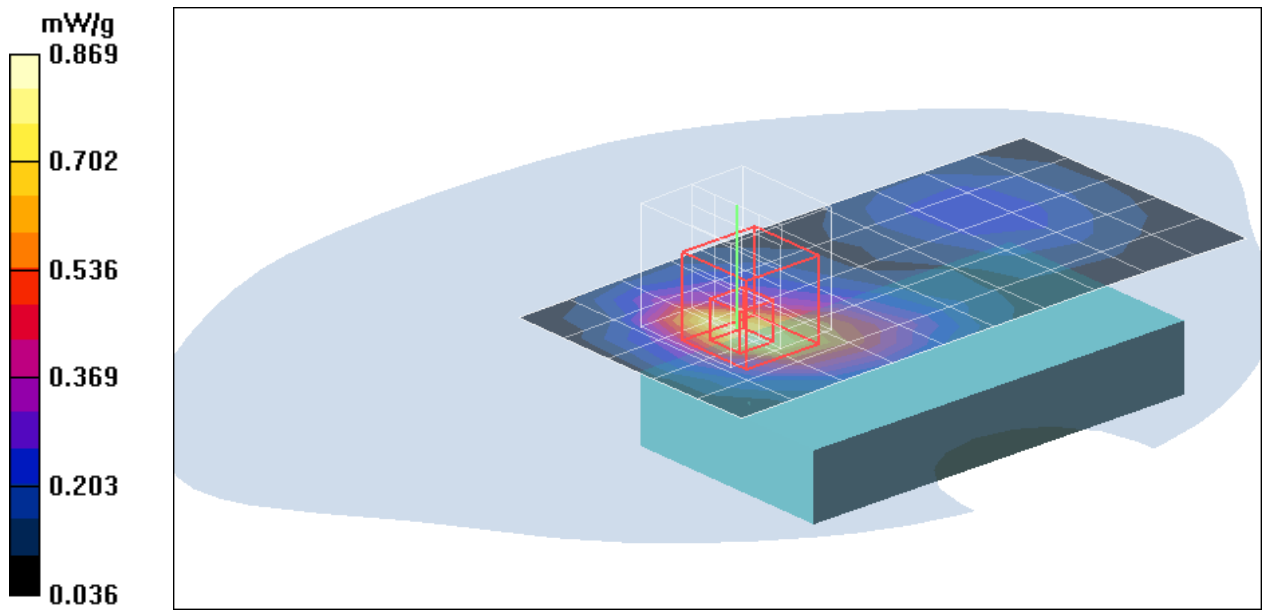
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 24.3 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.371 mW/g**

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



Test Laboratory: Compliance Certification Services Inc.

## **WCDMA Band II -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **WCDMA Body Face Down Middle CH9400/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.05 mW/g

## **WCDMA Body Face Down Middle CH9400/Zoom Scan**

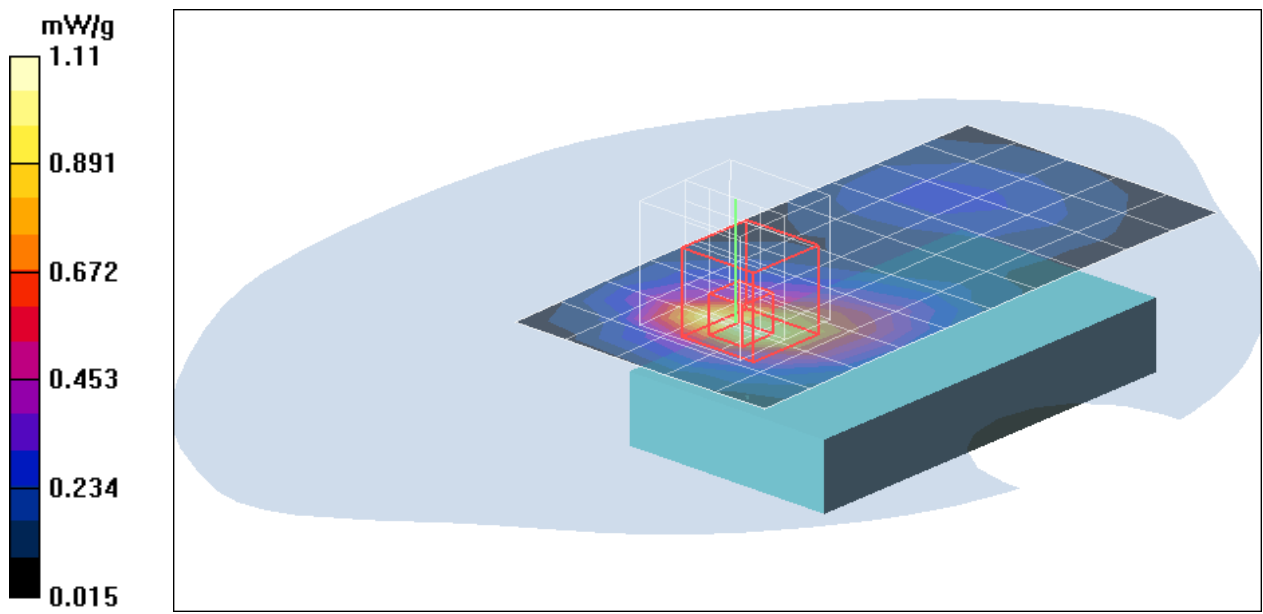
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 27.0 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.464 mW/g**

Maximum value of SAR (measured) = 1.11 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **WDMA Band II -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: WCDMA Band II; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **WCDMA Body Face Down High CH9538/Area Scan (6x11x1):**

Measurement grid: dx=15mm, dy=15mm

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

## **WCDMA Body Face Down High CH9538/Zoom Scan**

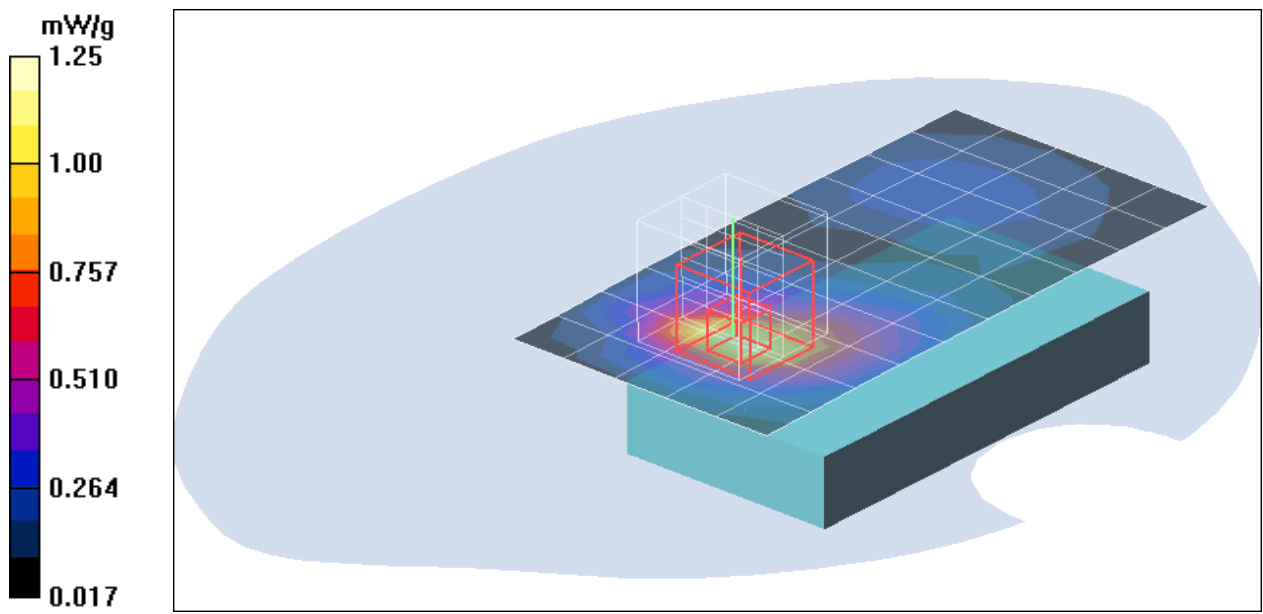
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 28.3 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 1.68 W/kg

**SAR(1 g) = 0.946 mW/g; SAR(10 g) = 0.519 mW/g**

Maximum value of SAR (measured) = 1.25 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **HSDPA Band II -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: HSUPA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **HSDPA Body Face Up Middle CH9400/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.404 mW/g

## **HSDPA Body Face Up Middle CH9400/Zoom Scan (5x5x7)/Cube**

**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.8 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.563 W/kg

**SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.198 mW/g**

Maximum value of SAR (measured) = 0.431 mW/g

## **HSDPA Body Face Up Middle CH9400/Zoom Scan (5x5x7)/Cube**

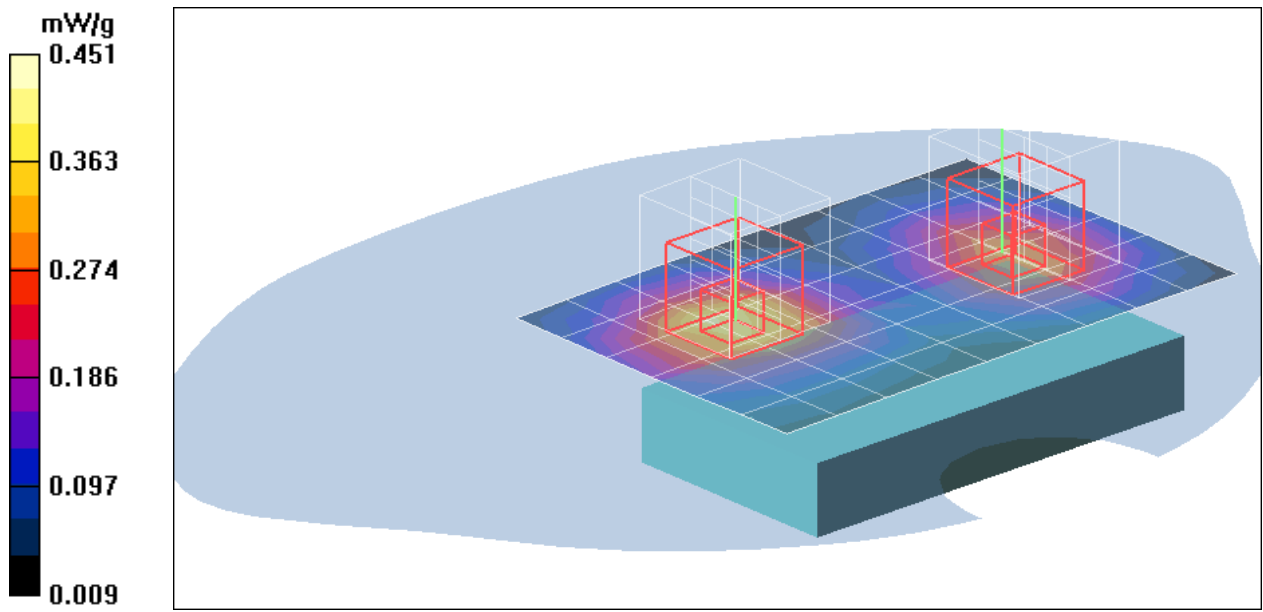
**1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.8 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.416 W/kg

**SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.165 mW/g**

Maximum value of SAR (measured) = 0.328 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **HSDPA Band II -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: HSUPA Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **HSDPA Body Face Down Low CH9262/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.604 mW/g

## **HSDPA Body Face Down Low CH9262/Zoom Scan (5x5x7)/Cube**

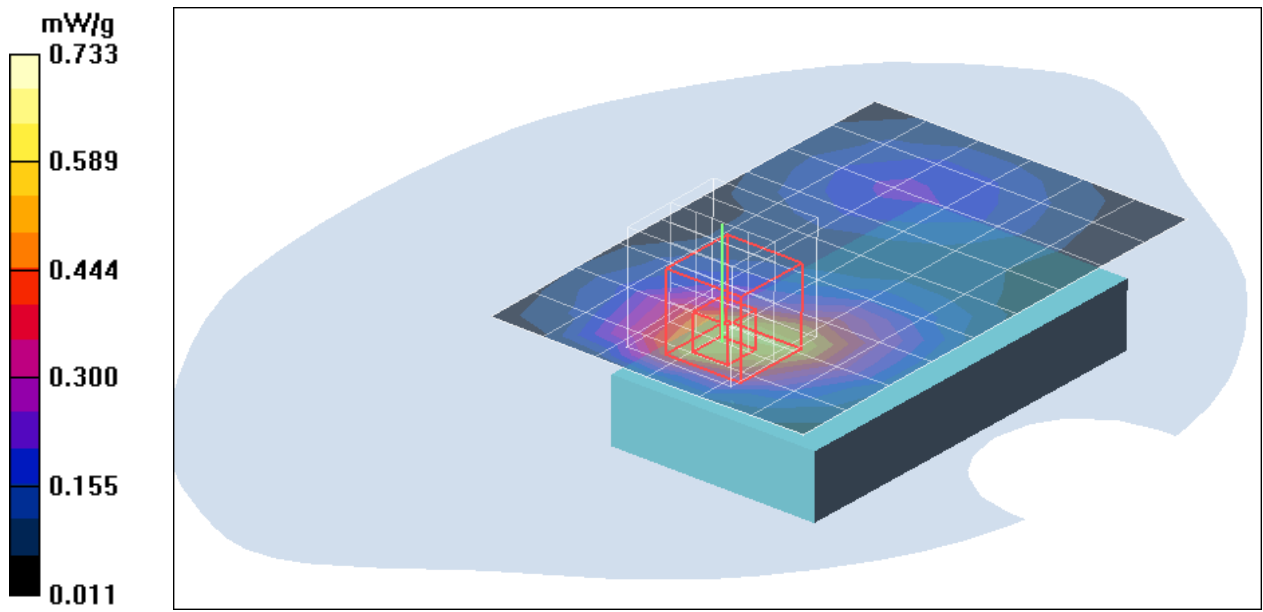
**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.6 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.979 W/kg

**SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.305 mW/g**

Maximum value of SAR (measured) = 0.733 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **HSDPA Band II -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: HSUPA Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **HSDPA Body Face Down Middle CH9400/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

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

## **HSDPA Body Face Down Middle CH9400/Zoom Scan**

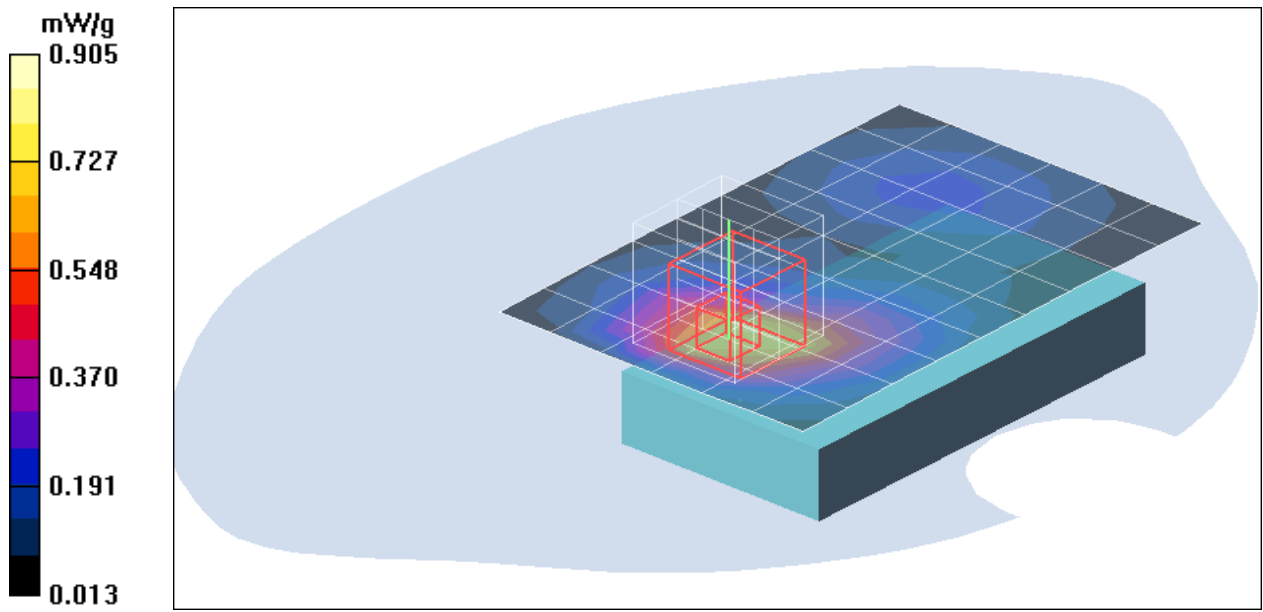
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.2 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.689 mW/g; SAR(10 g) = 0.378 mW/g**

Maximum value of SAR (measured) = 0.905 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **HSDPA Band II -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: HSUPA Band II; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  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 - SN3552; ConvF(7.55, 7.55, 7.55);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

## **HSDPA Body Face Down High CH9538/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.922 mW/g

## **HSDPA Body Face Down High CH9538/Zoom Scan**

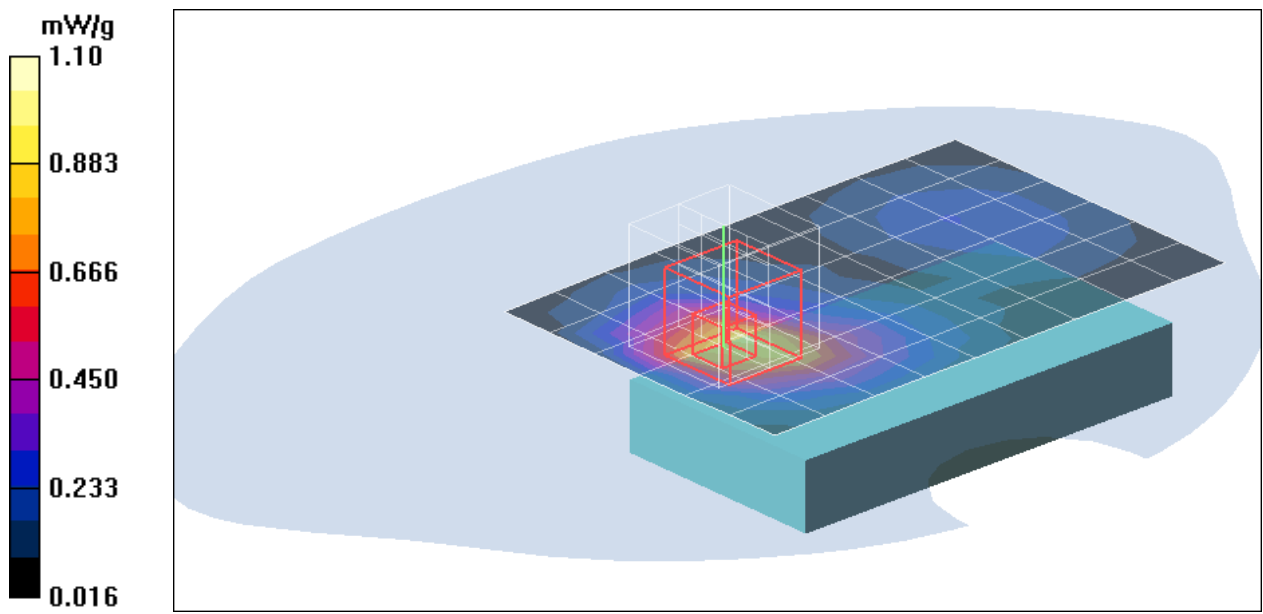
**(5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 24.7 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.450 mW/g**

Maximum value of SAR (measured) = 1.10 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WLAN 802.11b -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.7 deg C; Liquid Temperature: 23.7 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **802.11b Body Face Up Low CH1/Area Scan (7x10x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.041 mW/g

### **802.11b Body Face Up Low CH1/Zoom Scan (5x5x7)/Cube 0:**

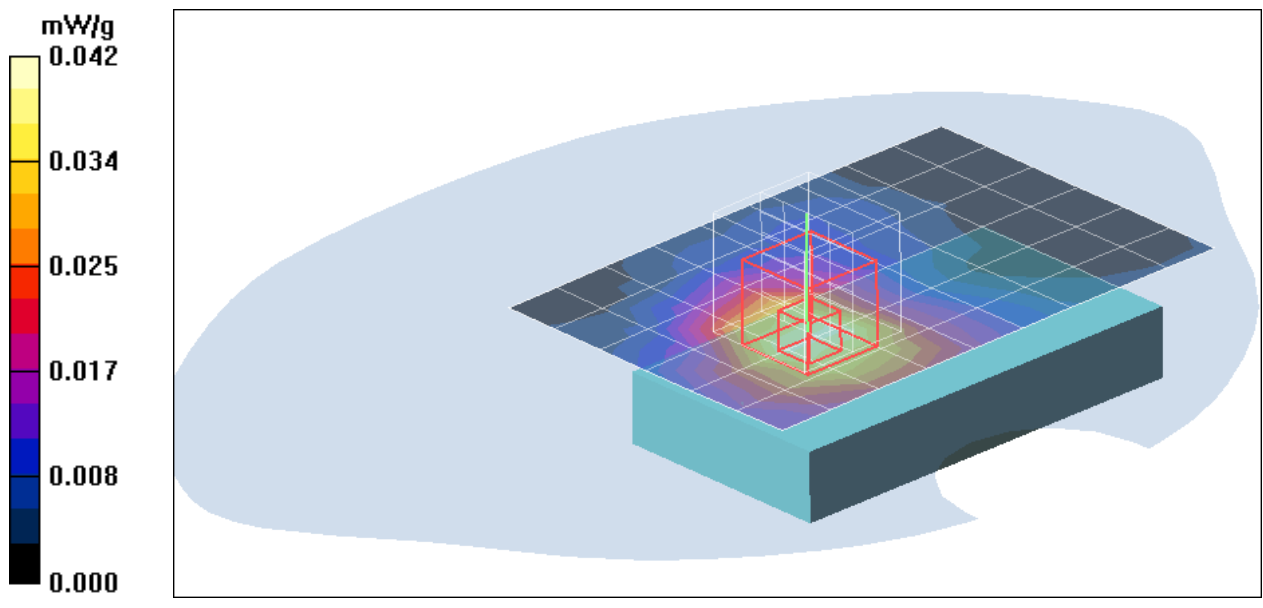
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.15 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.063 W/kg

**SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.016 mW/g**

Maximum value of SAR (measured) = 0.042 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WLAN 802.11b -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.7 deg C; Liquid Temperature: 23.7 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**802.11b Body Face Down Low CH1/Area Scan (7x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.163 mW/g

**802.11b Body Face Down Low CH1/Zoom Scan (5x5x7)/Cube 0:**

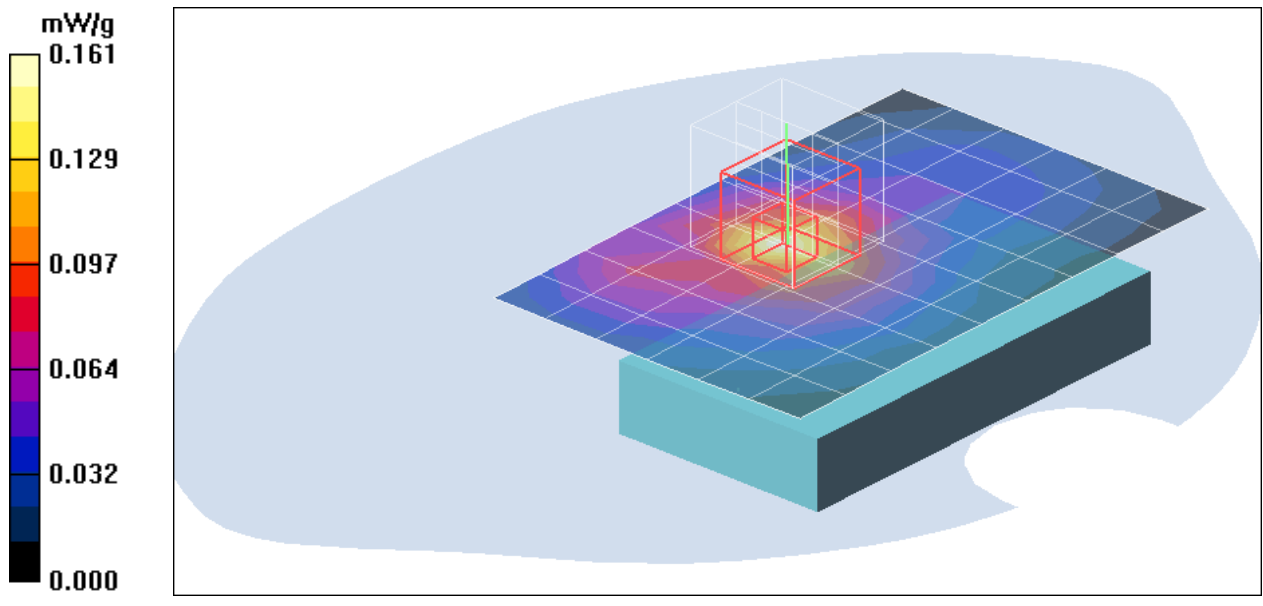
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.43 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.261 W/kg

**SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.062 mW/g**

Maximum value of SAR (measured) = 0.161 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **WLAN 802.11g -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: IEEE 802.11g WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.7 deg C; Liquid Temperature: 23.7 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **802.11g Body Face Up Low CH1/Area Scan (6x10x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.009 mW/g

### **802.11g Body Face Up Low CH1/Zoom Scan (5x5x7)/Cube 0:**

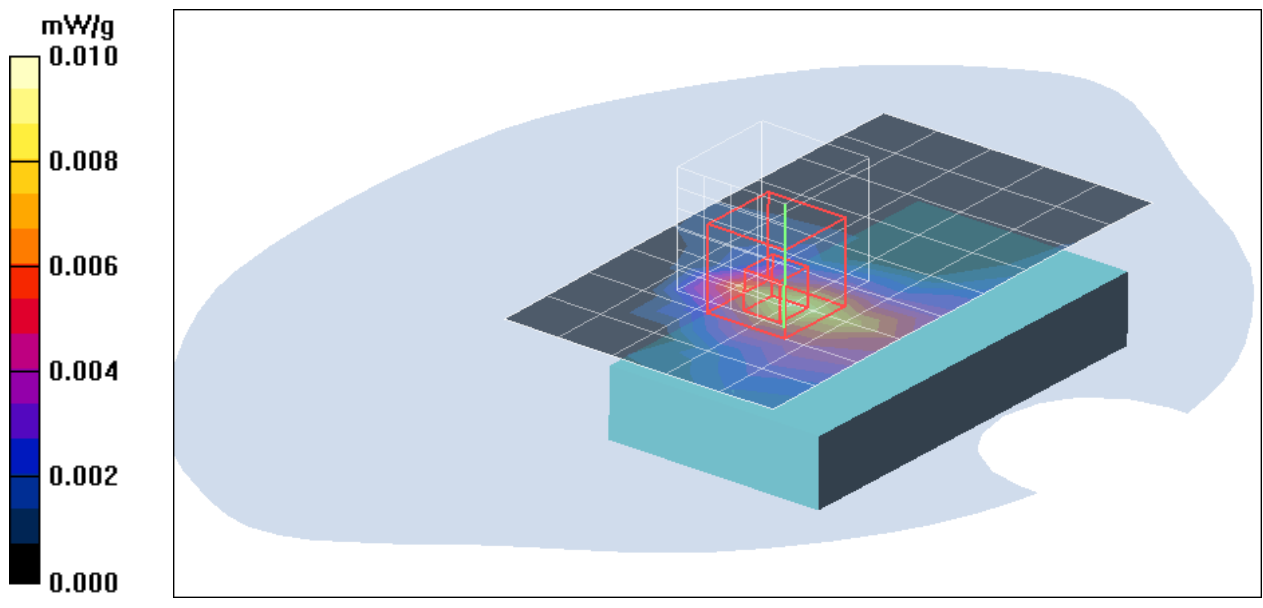
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 1.73 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.015 W/kg

**SAR(1 g) = 0.00634 mW/g; SAR(10 g) = 0.00255 mW/g**

Maximum value of SAR (measured) = 0.010 mW/g





Test Laboratory: Compliance Certification Services Inc.

## **WLAN 802.11g -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: IEEE 802.11g WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.7 deg C; Liquid Temperature: 23.7 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **802.11g Body Face Down Low CH1/Area Scan (7x10x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.033 mW/g

### **802.11g Body Face Down Low CH1/Zoom Scan (5x5x7)/Cube 0:**

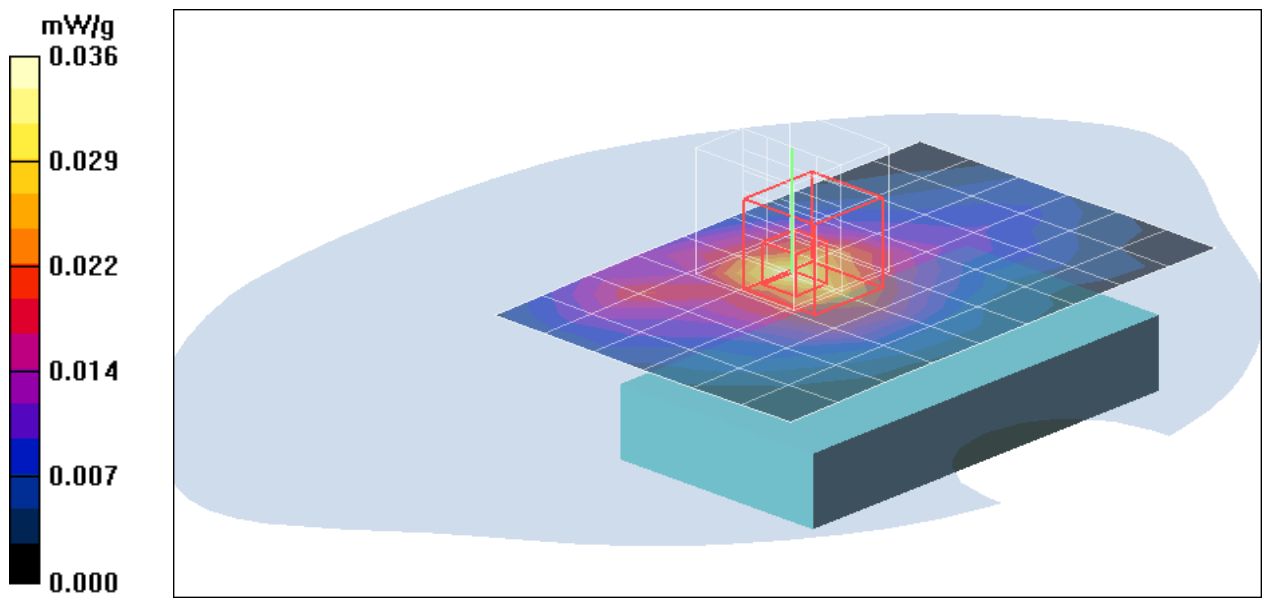
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 2.68 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.042 W/kg

**SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.011 mW/g**

Maximum value of SAR (measured) = 0.036 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **Bluetooth -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.7 deg C; Liquid Temperature: 23.7 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **Bluetooth Body Face Up High 2480/Area Scan (7x10x1):** Measurement

grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.001 mW/g

### **Bluetooth Body Face Up High 2480/Zoom Scan (5x5x7)/Cube 0:**

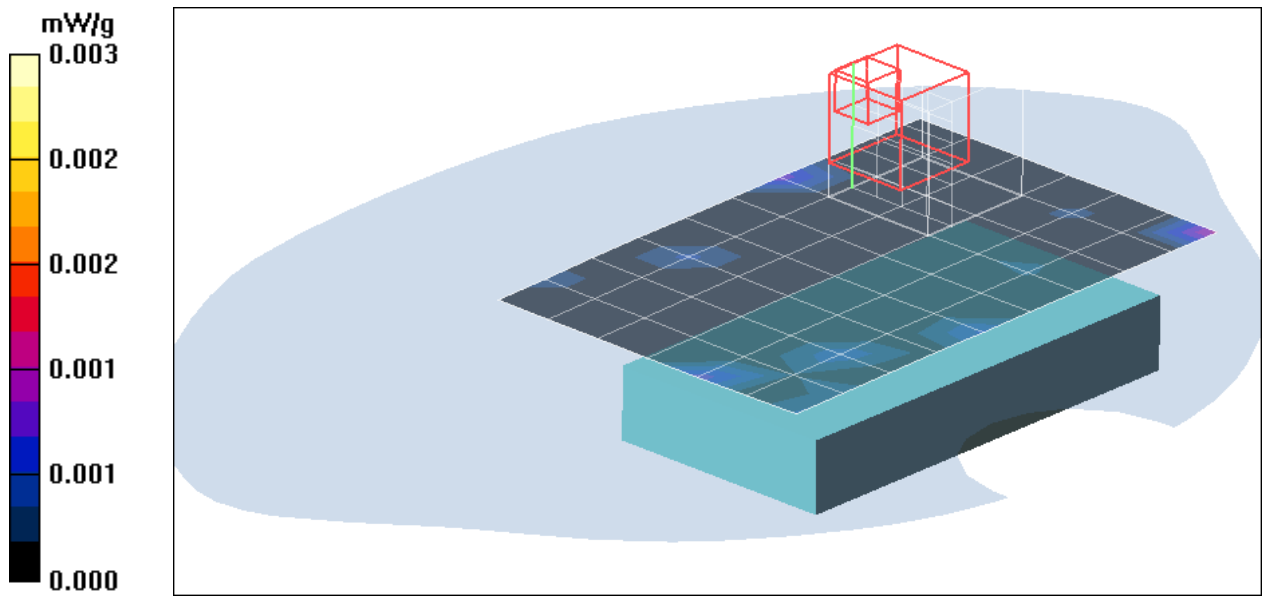
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 0.327 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.004 W/kg

**SAR(1 g) = 7.13e-006 mW/g; SAR(10 g) = 7.19e-007 mW/g**

Maximum value of SAR (measured) = 0.003 mW/g



Test Laboratory: Compliance Certification Services Inc.

## **Bluetooth -Body POLA100**

**DUT: POLA100; Type: POLA100; Serial: N/A**

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 51.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.7 deg C; Liquid Temperature: 23.7 deg C

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

**DASY4 Configuration:**

- Probe: EX3DV4 - SN3552; ConvF(6.95, 6.95, 6.95);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 8/29/2007
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

### **Bluetooth Body Face Down High 2480/Area Scan (7x10x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.002 mW/g

### **Bluetooth Body Face Down High 2480/Zoom Scan (5x5x7)/Cube**

**0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 0.845 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.000 W/kg

**SAR(1 g) = 5.09e-005 mW/g; SAR(10 g) = 7.46e-006 mW/g**

Maximum value of SAR (measured) = 0.002 mW/g

