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Test Laboratory: Compliance Certification Services Inc.

March 5, 2013

**GPRS 850-Body Up High CH251**

**DUT: GPS Tracker; Type: AS-ANMRHLTCU-01; Serial: 353588020035900**

Communication System: Generic GPRS; Communication System Band: GPRS 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Duty Cycle: 1:1.99986

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.97$  S/m;  $\epsilon_r = 54.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.4(1052);

**GPRS 850/GPRS 850 Body Up High CH251/Area Scan (8x5x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.119 W/kg

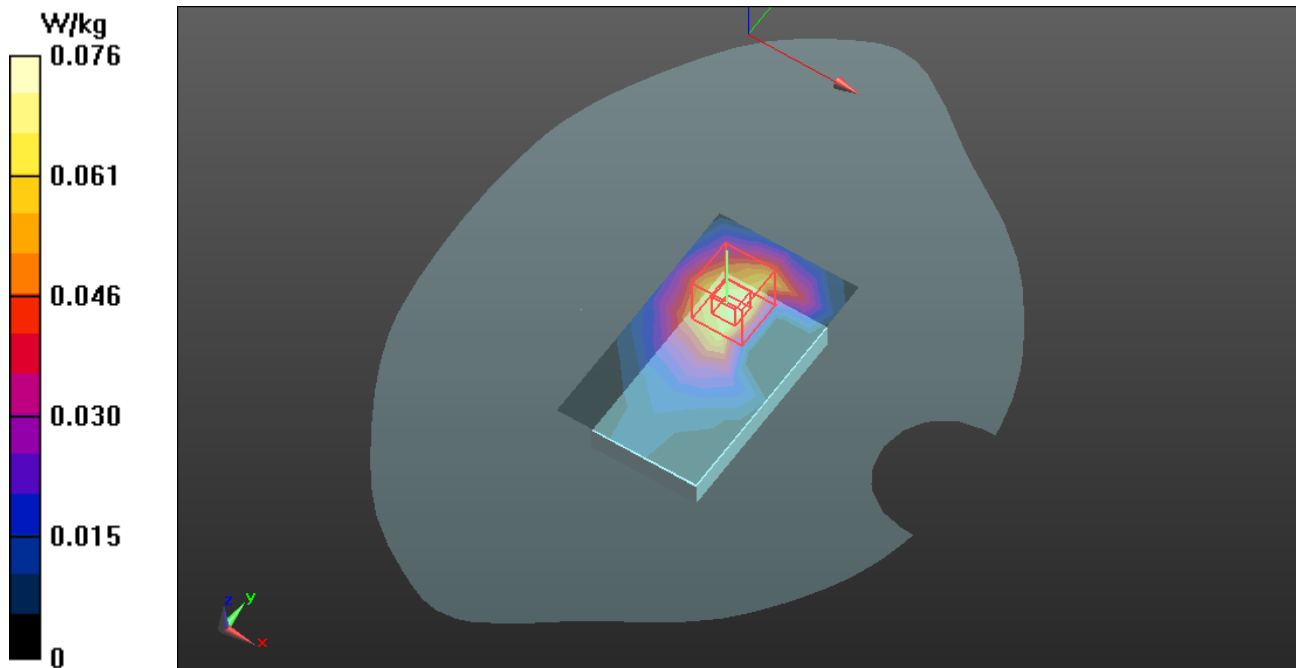
**GPRS 850/GPRS 850 Body Up High CH251/Zoom Scan (5x5x5)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 9.078 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.145 W/kg

**SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.069 W/kg**

Maximum value of SAR (measured) = 0.125 W/kg





Test Laboratory: Compliance Certification Services Inc.

March 5, 2013

**GPRS 850-Body Down High CH251**

**DUT: GPS Tracker; Type: AS-ANMRHLTCU-01; Serial: 353588020035900**

Communication System: Generic GPRS; Communication System Band: GPRS 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Duty Cycle: 1:1.99986

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.97$  S/m;  $\epsilon_r = 54.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.4(1052);

**GPRS 850/GPRS 850 Body Down High CH251/Area Scan (8x5x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.133 W/kg

**GPRS 850/GPRS 850 Body Down High CH251/Zoom Scan (5x5x5)/Cube 0:** Measurement grid:

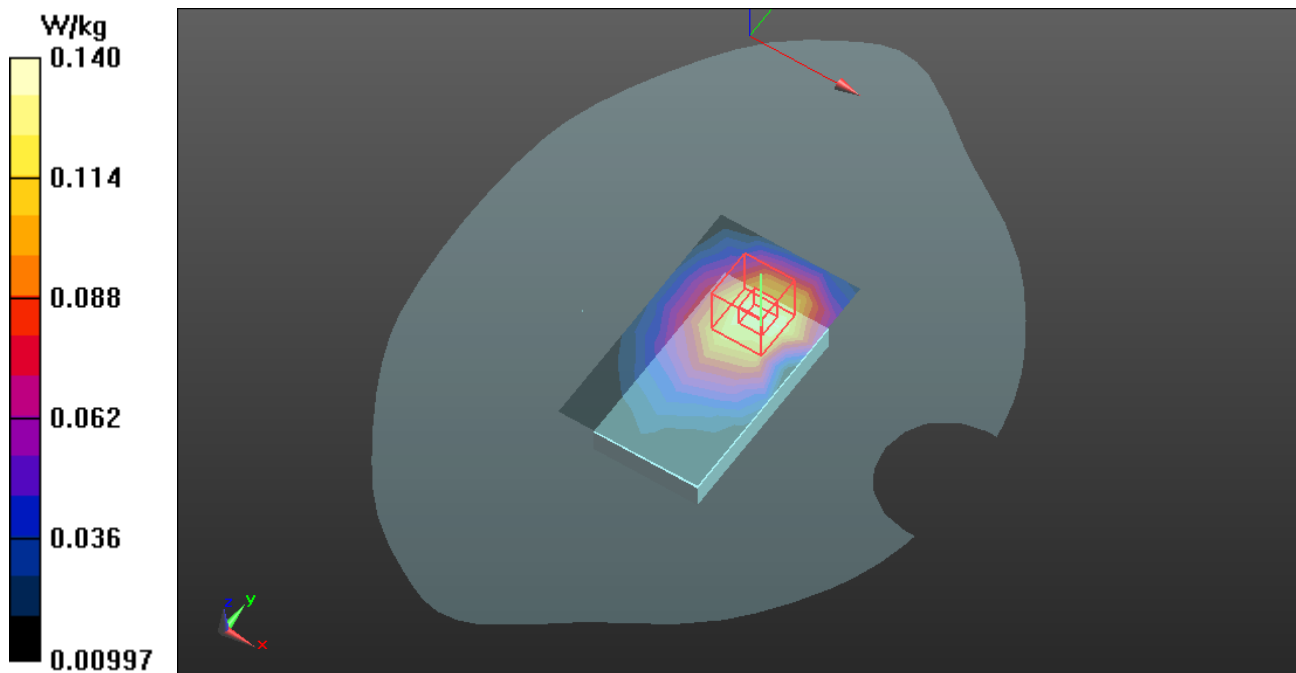
dx=8mm, dy=8mm, dz=8mm

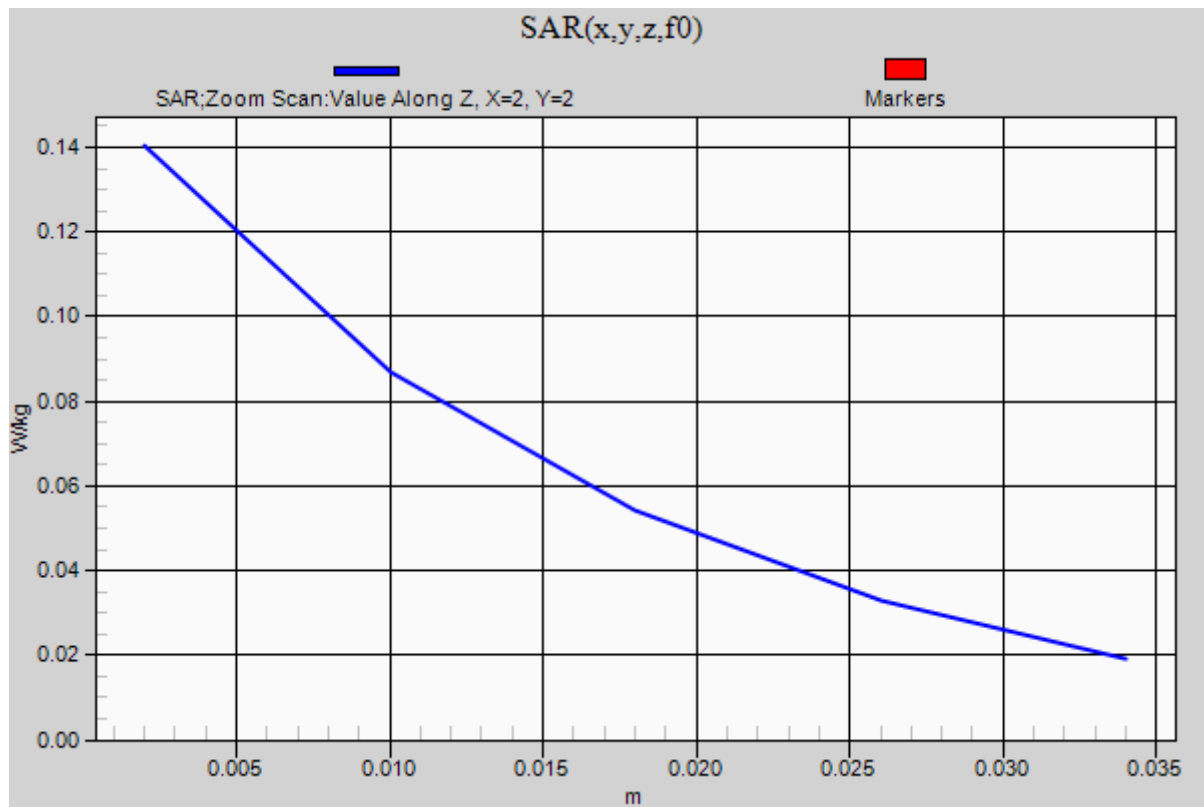
Reference Value = 10.238 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.161 W/kg

**SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.140 W/kg







Test Laboratory: Compliance Certification Services Inc.

March 5, 2013

**GPRS 850-Body Edge Left High CH251**

**DUT: GPS Tracker; Type: AS-ANMRHLTCU-01; Serial: 353588020035900**

Communication System: Generic GPRS; Communication System Band: GPRS 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Duty Cycle: 1:1.99986

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.97$  S/m;  $\epsilon_r = 54.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.4(1052);

**GPRS 850/Body Left High CH251/Area Scan (8x4x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0821 W/kg

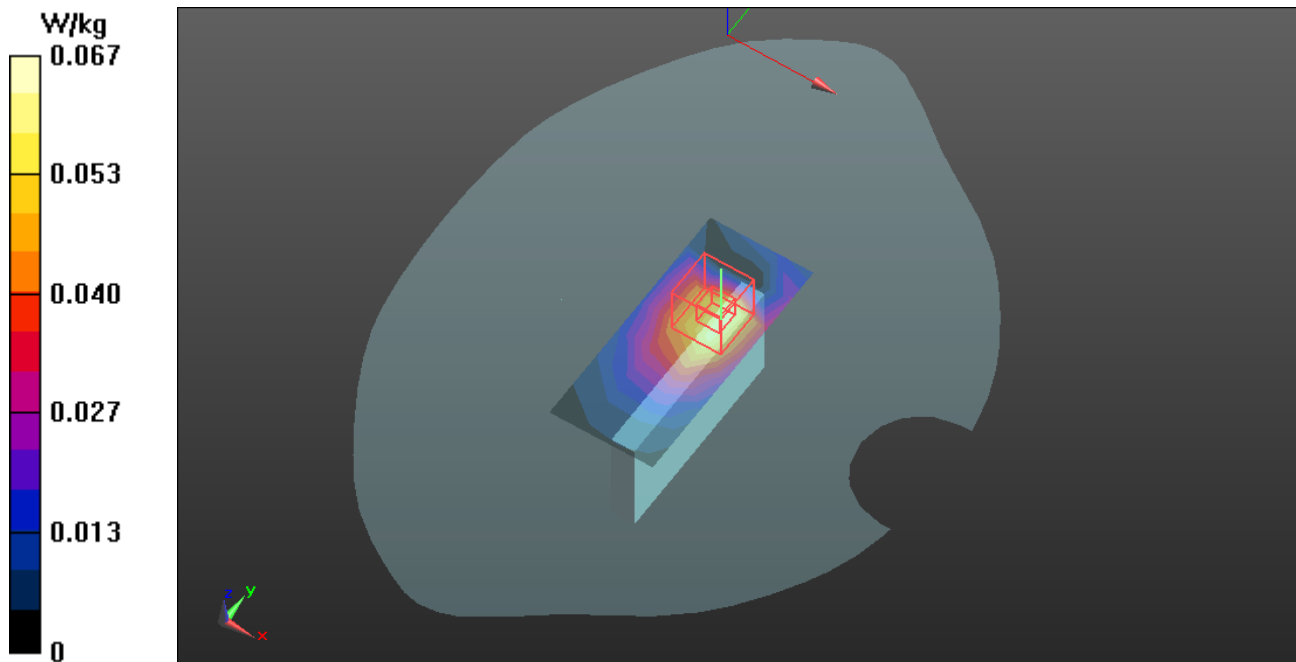
**GPRS 850/Body Left High CH251/Zoom Scan (5x5x5)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 8.565 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.107 W/kg

**SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.046 W/kg**

Maximum value of SAR (measured) = 0.0878 W/kg





Test Laboratory: Compliance Certification Services Inc.

March 5, 2013

**GPRS 850-Body Edge Right High CH251**

**DUT: GPS Tracker; Type: AS-ANMRHLTCU-01; Serial: 353588020035900**

Communication System: Generic GPRS; Communication System Band: GPRS 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Duty Cycle: 1:1.99986

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.97$  S/m;  $\epsilon_r = 54.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS 850/Body Right High CH251/Area Scan (8x4x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0757 W/kg

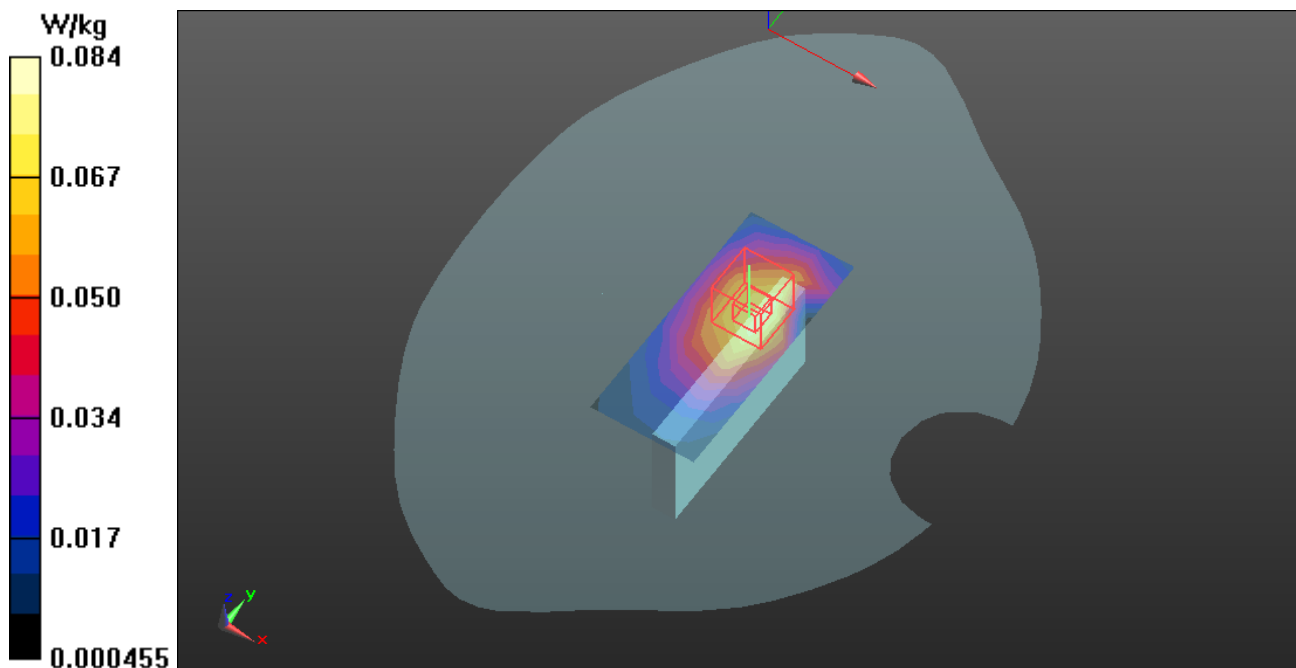
**GPRS 850/Body Right High CH251/Zoom Scan (5x5x5)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 8.564 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0980 W/kg

**SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.046 W/kg**

Maximum value of SAR (measured) = 0.0838 W/kg





Test Laboratory: Compliance Certification Services Inc.

March 5, 2013

**GPRS 850-Body Top High CH251**

**DUT: GPS Tracker; Type: AS-ANMRHLTCU-01; Serial: 353588020035900**

Communication System: Generic GPRS; Communication System Band: GPRS 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Duty Cycle: 1:1.99986

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.97$  S/m;  $\epsilon_r = 54.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.12, 9.12, 9.12); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS 850/Body Top High CH251/Area Scan (8x5x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0334 W/kg

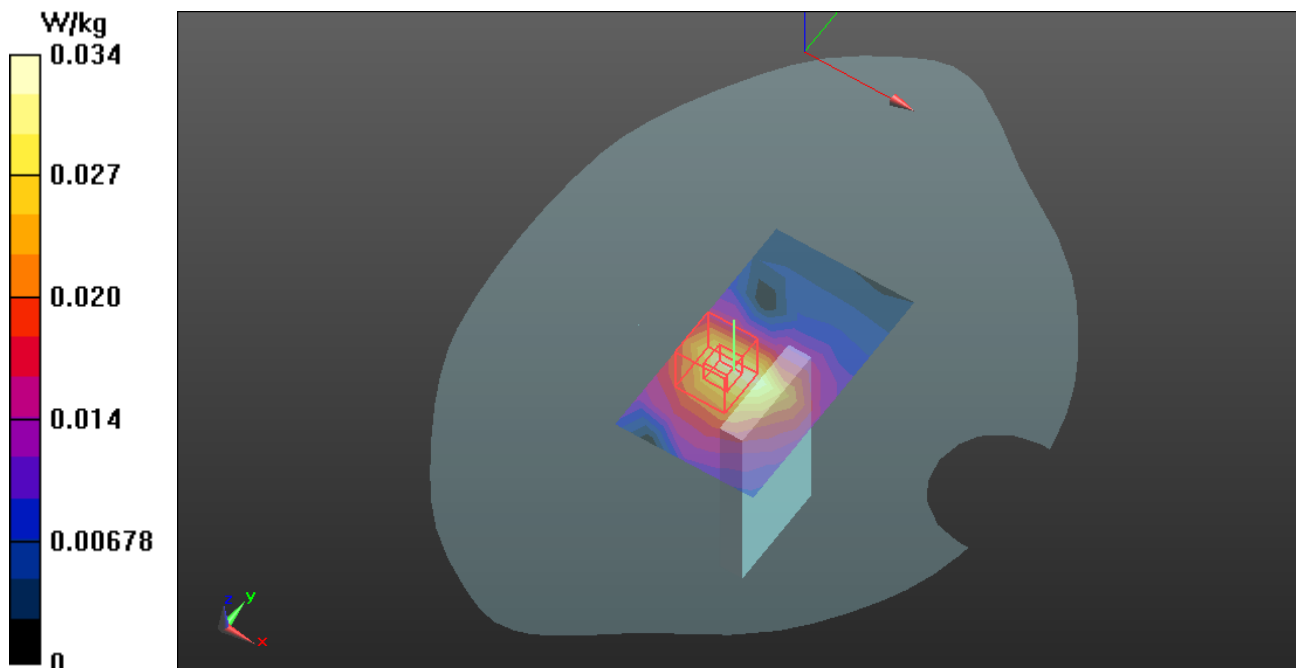
**GPRS 850/Body Top High CH251/Zoom Scan (5x5x5)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 5.193 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0470 W/kg

**SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.016 W/kg**

Maximum value of SAR (measured) = 0.0339 W/kg





Test Laboratory: Compliance Certification Services Inc.

March 5, 2013

**GPRS1900-Body Up High CH810**

**DUT: GPS Tracker; Type: AS-ANMRHLTCU-01; Serial: 353588020035900**

Communication System: Generic GPRS; Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:1.99986

Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.585$  S/m;  $\epsilon_r = 51.314$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.4(1052);

**GPRS1900/GPRS 1900 Body Up High CH810/Area Scan (8x5x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.377 W/kg

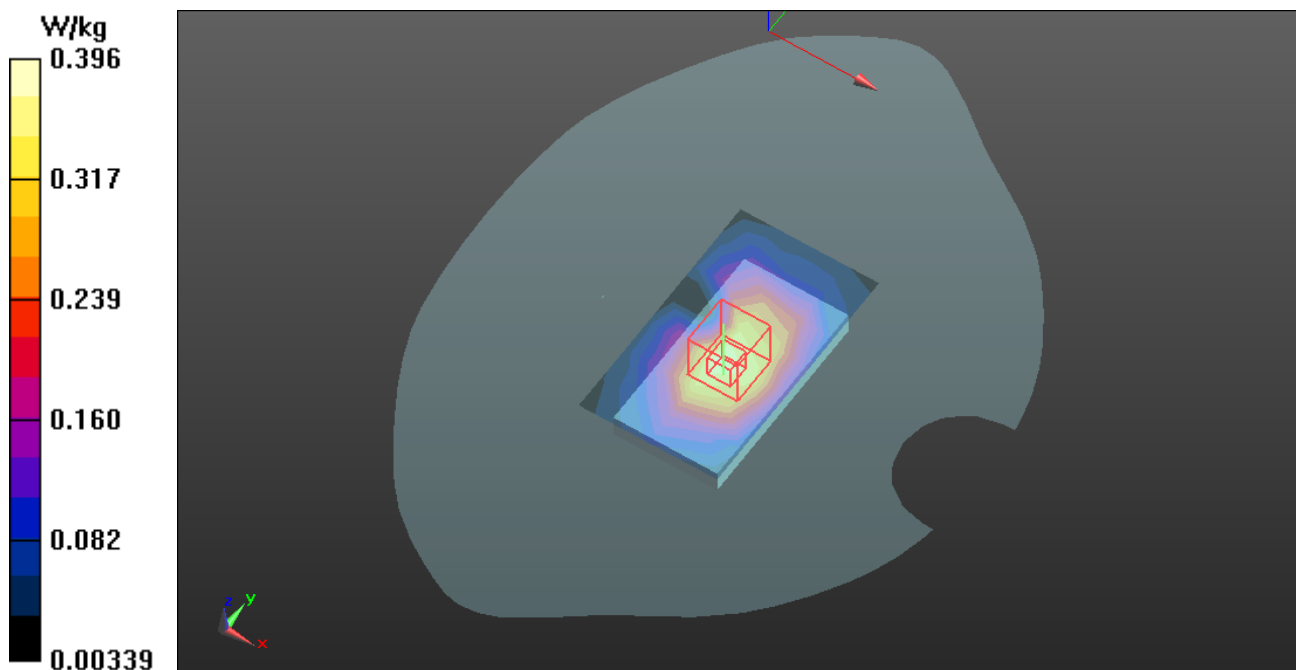
**GPRS1900/GPRS 1900 Body Up High CH810/Zoom Scan (5x5x5)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 11.127 V/m; Power Drift = 0.03 dB

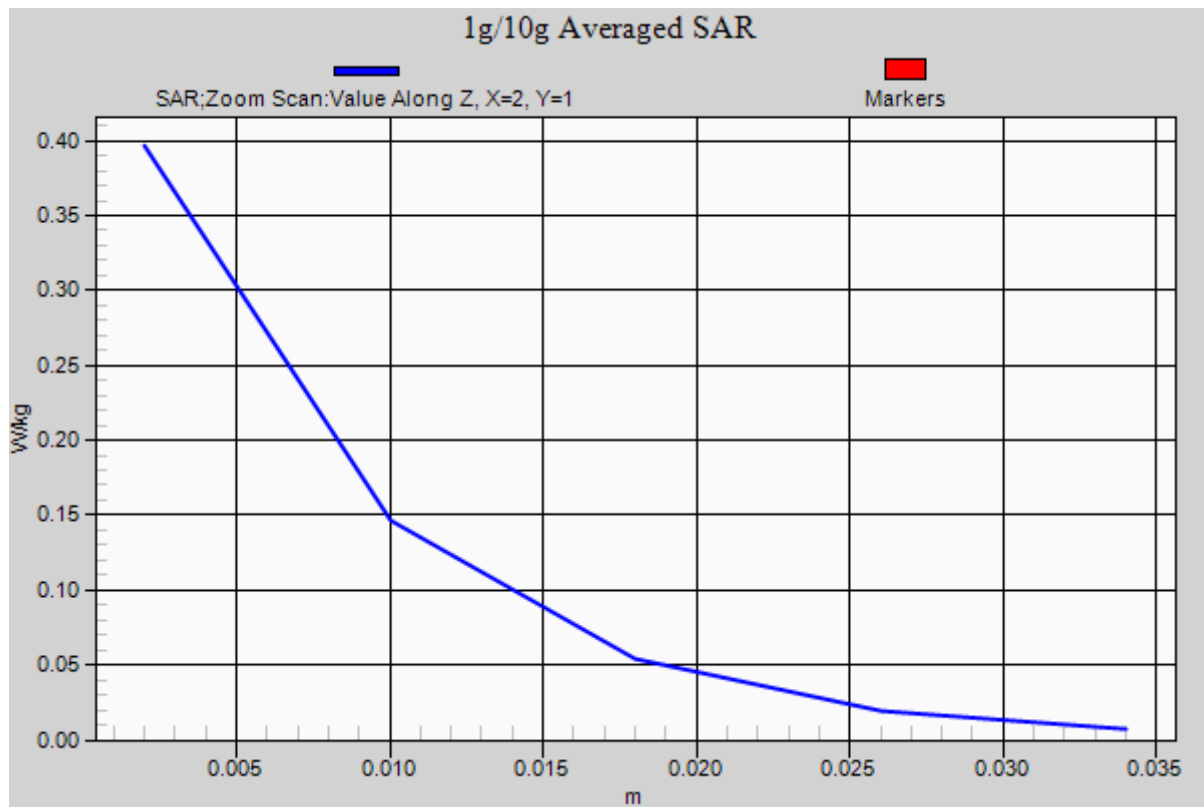
Peak SAR (extrapolated) = 0.525 W/kg

**SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.161 W/kg**

Maximum value of SAR (measured) = 0.396 W/kg









Test Laboratory: Compliance Certification Services Inc.

March 5, 2013

**GPRS1900-Body Down High CH810**

**DUT: GPS Tracker; Type: AS-ANMRHLTCU-01; Serial: 353588020035900**

Communication System: Generic GPRS; Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:1.99986

Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.585$  S/m;  $\epsilon_r = 51.314$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.4(1052);

**GPRS1900/GPRS 1900 Body Down High CH810/Area Scan (8x5x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.267 W/kg

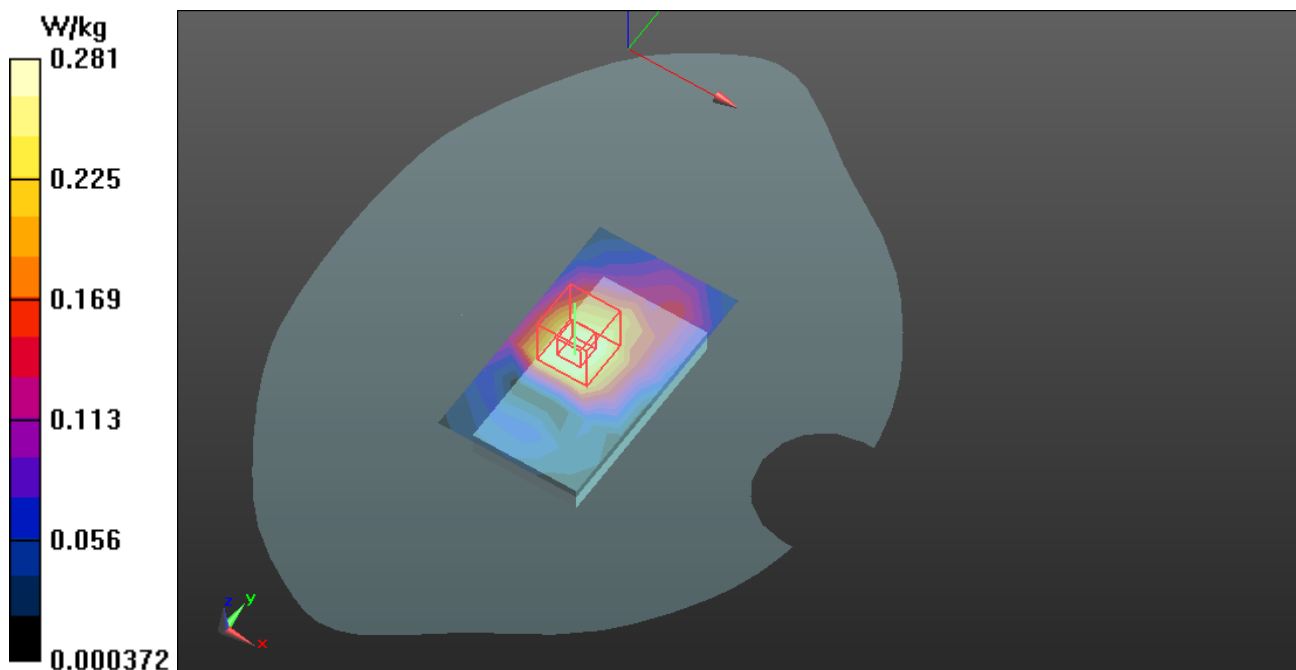
**GPRS1900/GPRS 1900 Body Down High CH810/Zoom Scan (5x5x5)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 12.991 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.371 W/kg

**SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.114 W/kg**

Maximum value of SAR (measured) = 0.281 W/kg





Test Laboratory: Compliance Certification Services Inc.

March 5, 2013

**GPRS1900-Body Edge Left High CH810**

**DUT: GPS Tracker; Type: AS-ANMRHLTCU-01; Serial: 353588020035900**

Communication System: Generic GPRS; Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:1.99986

Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.585$  S/m;  $\epsilon_r = 51.314$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS 1900/Body Left High CH810/Area Scan (8x4x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0794 W/kg

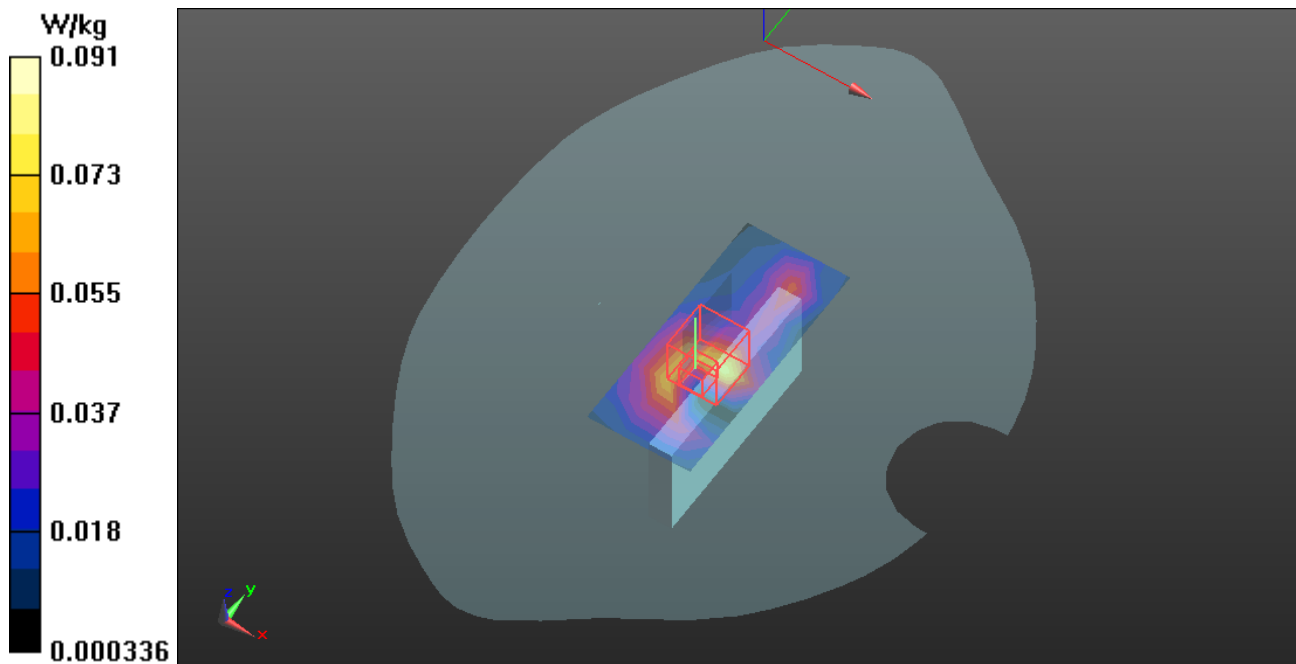
**GPRS 1900/Body Left High CH810/Zoom Scan (5x5x5)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 6.172 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.130 W/kg

**SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.033 W/kg**

Maximum value of SAR (measured) = 0.0908 W/kg





Test Laboratory: Compliance Certification Services Inc.

March 5, 2013

**GPRS1900-Body Edge Right High CH810**

**DUT: GPS Tracker; Type: AS-ANMRHLTCU-01; Serial: 353588020035900**

Communication System: Generic GPRS; Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:1.99986

Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.585$  S/m;  $\epsilon_r = 51.314$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.4(1052);

**GPRS 1900/Body Right High CH810/Area Scan (8x4x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.289 W/kg

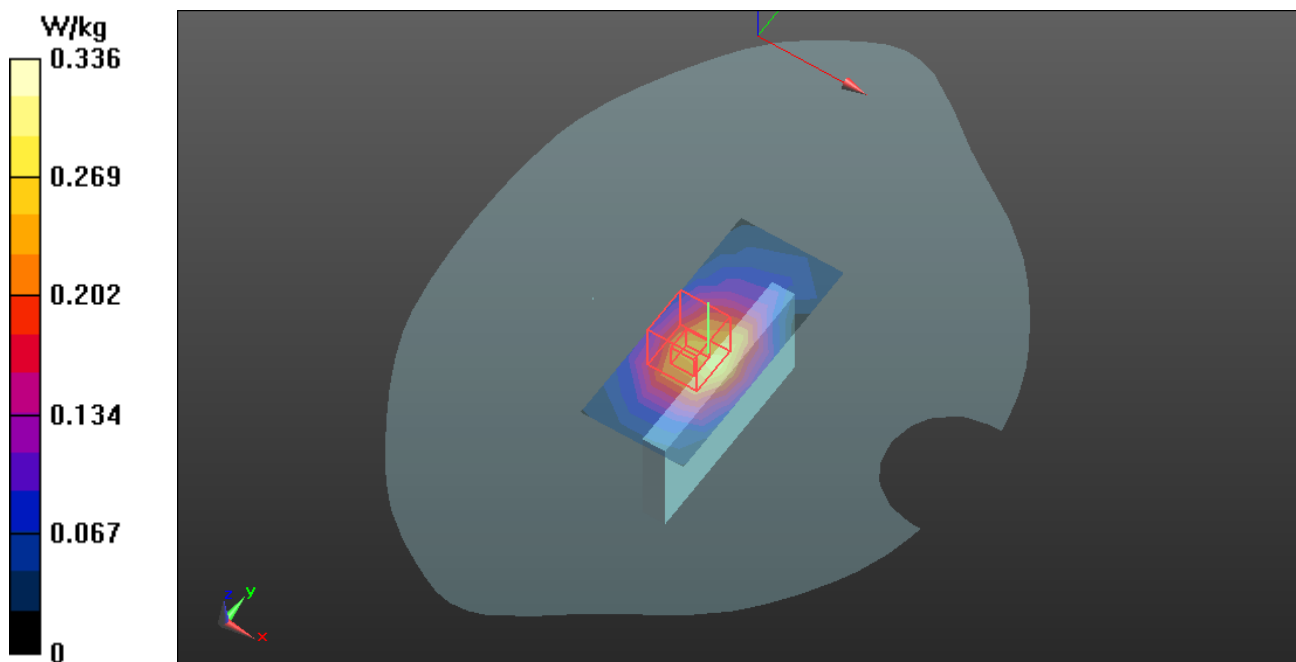
**GPRS 1900/Body Right High CH810/Zoom Scan (5x5x5)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 13.746 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.518 W/kg

**SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.113 W/kg**

Maximum value of SAR (measured) = 0.336 W/kg





Test Laboratory: Compliance Certification Services Inc.

March 5, 2013

**GPRS1900-Body Top Top High CH810**

**DUT: GPS Tracker; Type: AS-ANMRHLTCU-01; Serial: 353588020035900**

Communication System: Generic GPRS; Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:1.99986

Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.585$  S/m;  $\epsilon_r = 51.314$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 24.0°C; Liquid Temperature: 22.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.29, 7.29, 7.29); Calibrated: 7/25/2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/20/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.4(1052);

**GPRS 1900/Body Top High CH810/Area Scan (5x5x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.199 W/kg

**GPRS 1900/Body Top High CH810/Zoom Scan (5x5x5)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=8mm

Reference Value = 10.369 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.293 W/kg

**SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.067 W/kg**

Maximum value of SAR (measured) = 0.218 W/kg

