



Compliance Certification Services Inc.

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Test Laboratory: Compliance Certification Services Inc.

Date: 7/14/2014

GPRS850-Body Rear High CH251

DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A

Communication System: Generic GPRS; Communication System Band: GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 849$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.237$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.27, 9.27, 9.27); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS850/Body Rear High CH251/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.749 W/kg

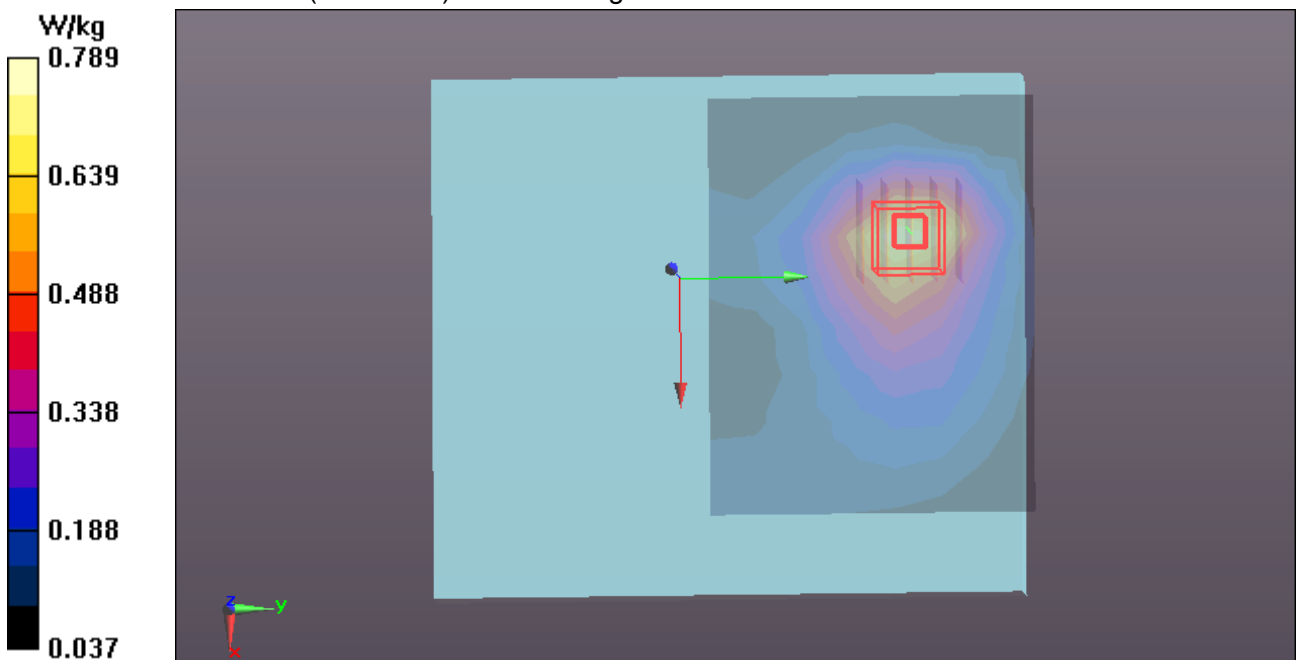
GPRS850/Body Rear High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.575 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.952 W/kg

SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.412 W/kg

Maximum value of SAR (measured) = 0.789 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/14/2014

GPRS850-Body-Edge 1 High CH251**DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A**

Communication System: Generic GPRS; Communication System Band: GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 849$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.237$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.27, 9.27, 9.27); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

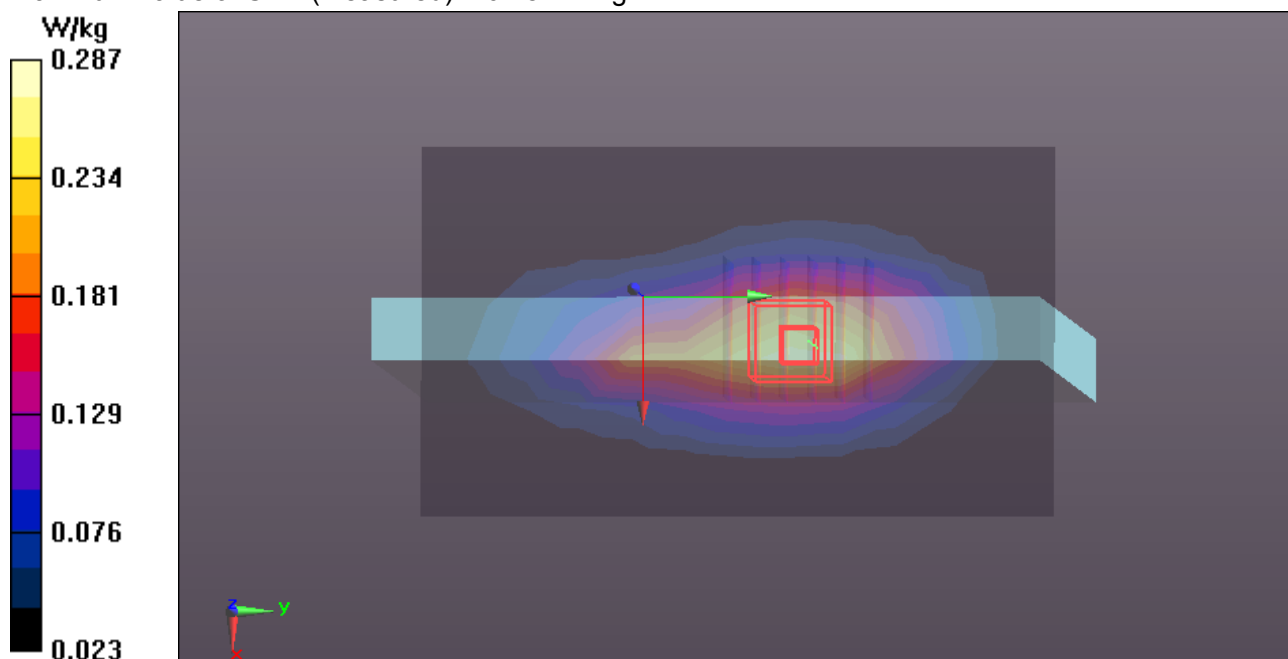
GPRS850/Body Edge 1 High CH251/Area Scan (13x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.265 W/kg**GPRS850/Body Edge 1 High CH251/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.70 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.287 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/14/2014

GPRS850-Body-Edge 2 High CH251

DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A

Communication System: Generic GPRS; Communication System Band: GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 849$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.237$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.27, 9.27, 9.27); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS850/Body Edge 2 High CH251/Area Scan (12x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.395 W/kg

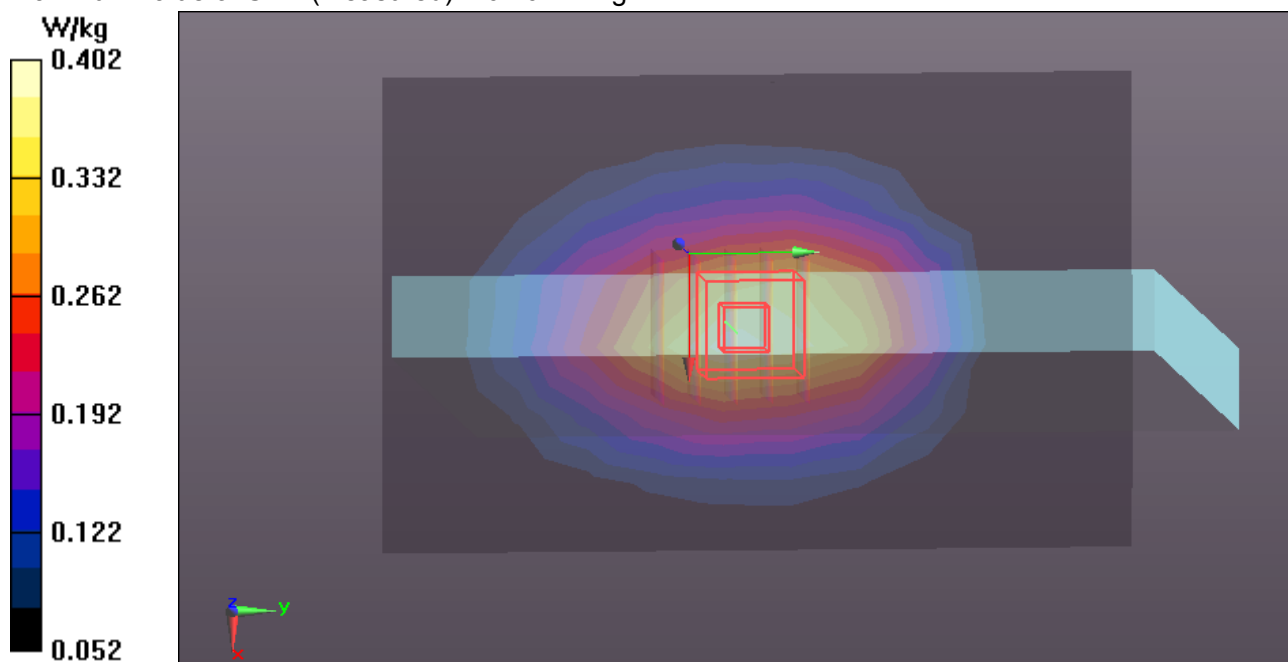
GPRS850/Body Edge 2 High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.28 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.402 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/14/2014

GPRS850-Body-Edge 3 High CH251**DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A**

Communication System: Generic GPRS; Communication System Band: GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 849$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.237$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.27, 9.27, 9.27); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

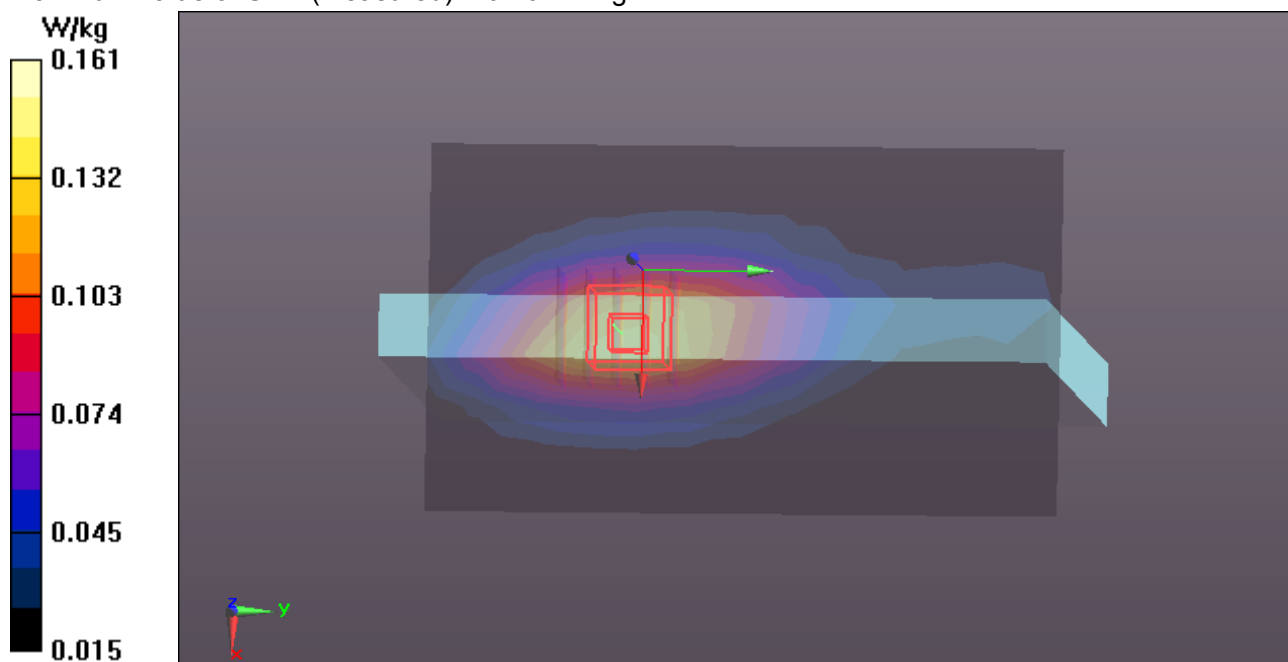
GPRS850/Body Edge 3 High CH251/Area Scan (13x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.139 W/kg**GPRS850/Body Edge 3 High CH251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.99 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.085 W/kg

Maximum value of SAR (measured) = 0.161 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/14/2014

GPRS850-Body-Edge 4 High CH251**DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A**

Communication System: Generic GPRS; Communication System Band: GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 849$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.237$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.27, 9.27, 9.27); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS850/Body Edge 4 High CH251/Area Scan (13x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0538 W/kg

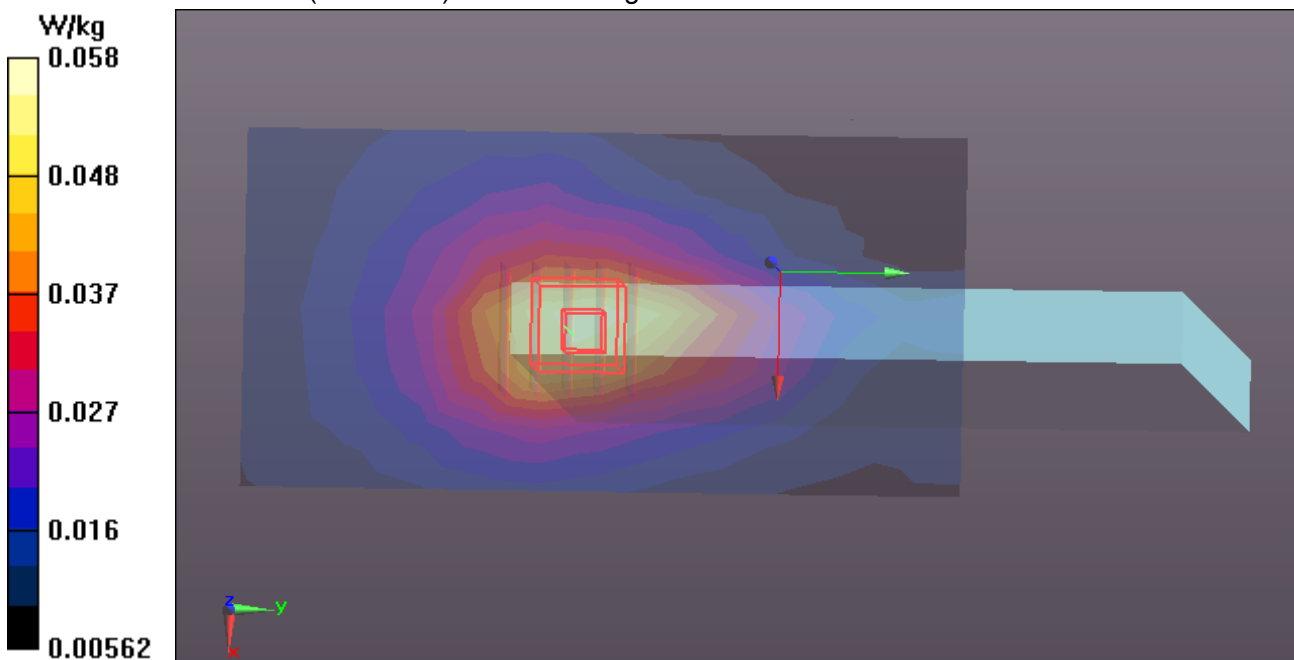
GPRS850/Body Edge 4 High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.3030 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.0700 W/kg

SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.032 W/kg

Maximum value of SAR (measured) = 0.0585 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/14/2014

GSM 850-Body Rear High CH251**DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A**

Communication System: Generic GSM; Communication System Band: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $f = 849$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 54.237$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(9.27, 9.27, 9.27); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GSM 850/GSM850 Body Rear HighCH251/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.227 W/kg

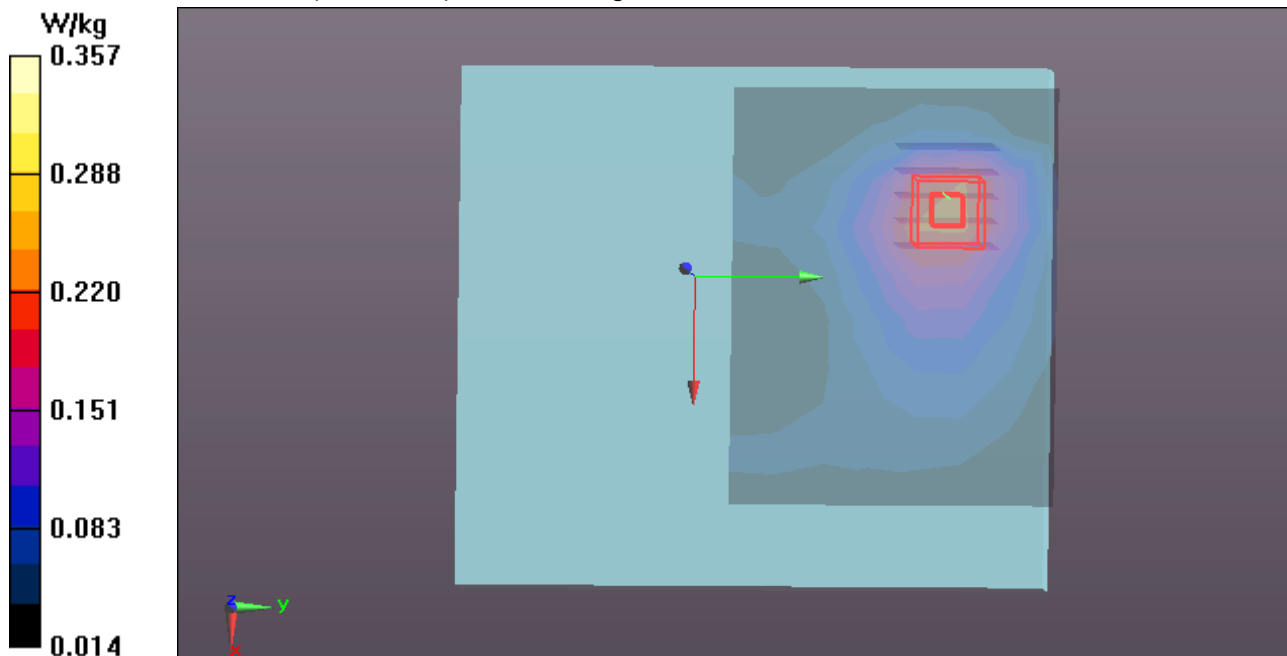
GSM 850/GSM850 Body Rear HighCH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.399 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.357 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/15/2014

GPRS1900-Body Rear High CH810**DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A**

Communication System: Generic GPRS; Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.589$ S/m; $\epsilon_r = 53.648$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.32, 7.32, 7.32); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS1900/Body Rear High CH810/Area Scan (9x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.949 W/kg

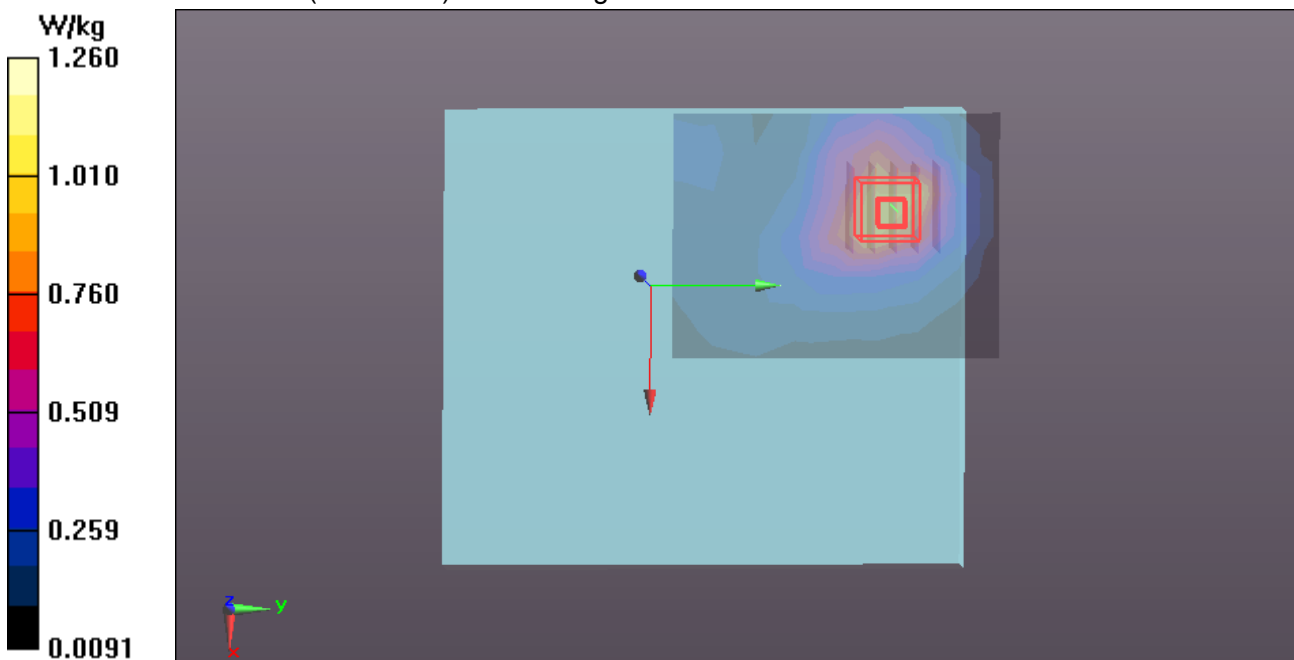
GPRS1900/Body Rear High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.700 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.230 W/kg

Maximum value of SAR (measured) = 1.26 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/15/2014

GPRS1900-Body-Edge 1 High CH810**DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A**

Communication System: Generic GPRS; Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.589$ S/m; $\epsilon_r = 53.648$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.32, 7.32, 7.32); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS5 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

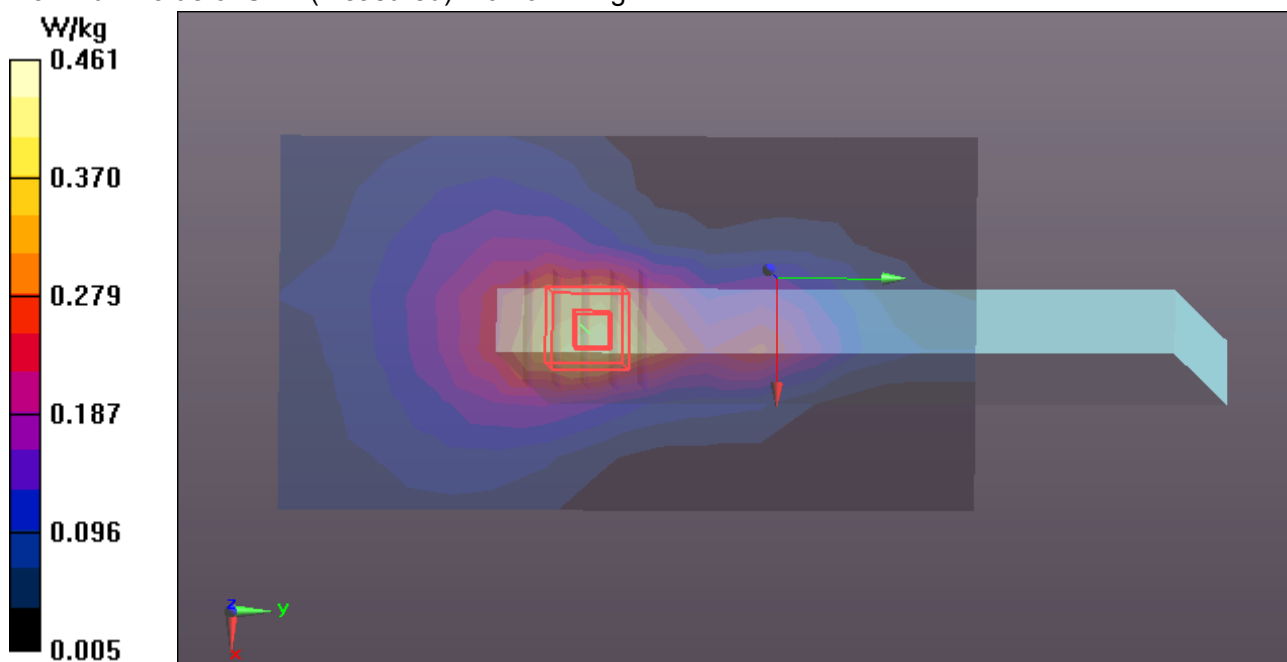
GPRS1900/Body Edge 1 High CH810/Area Scan (14x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.413 W/kg**GPRS1900/Body Edge 1 High CH810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.22 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.461 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/15/2014

GPRS1900-Body-Edge 2 High CH810**DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A**

Communication System: Generic GPRS; Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.589$ S/m; $\epsilon_r = 53.648$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.32, 7.32, 7.32); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

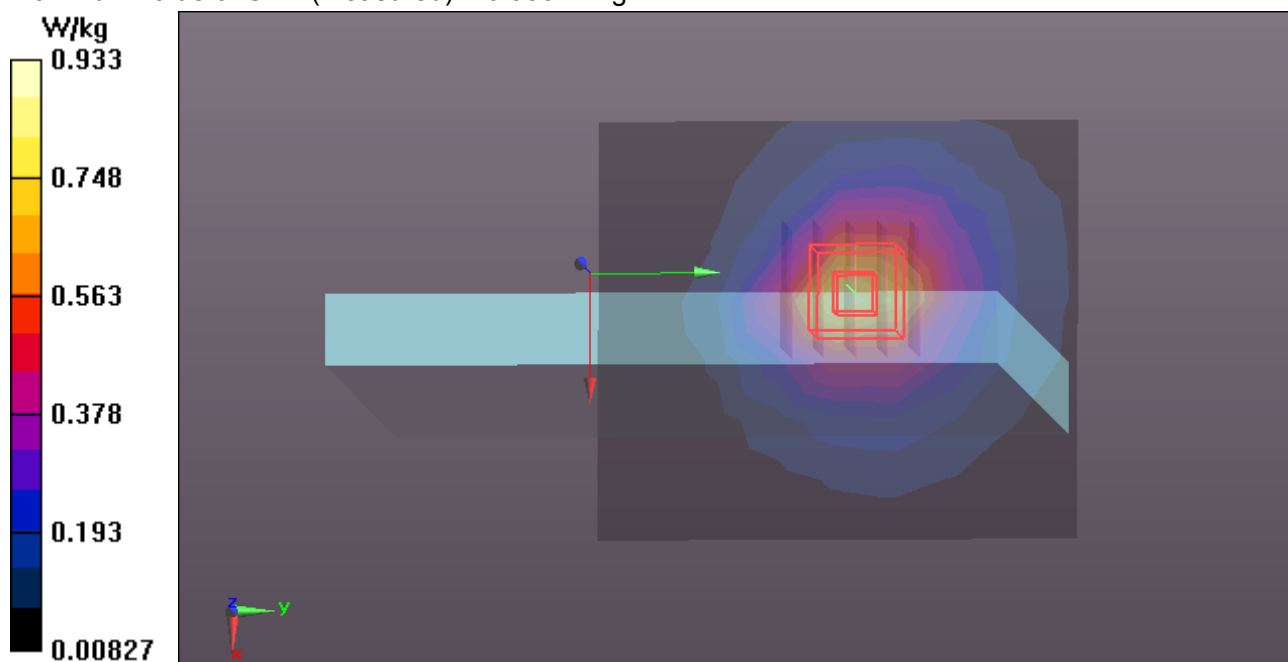
GPRS1900/Body Edge 2 High CH810/Area Scan (9x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.879 W/kg**GPRS1900/Body Edge 2 High CH810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.562 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.933 W/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 7/15/2014

GPRS1900-Body-Edge 3 High CH810

DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A

Communication System: Generic GPRS; Communication System Band: GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.0797

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.589$ S/m; $\epsilon_r = 53.648$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.32, 7.32, 7.32); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GPRS1900/Body Edge 3 High CH810/Area Scan (13x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.100 W/kg

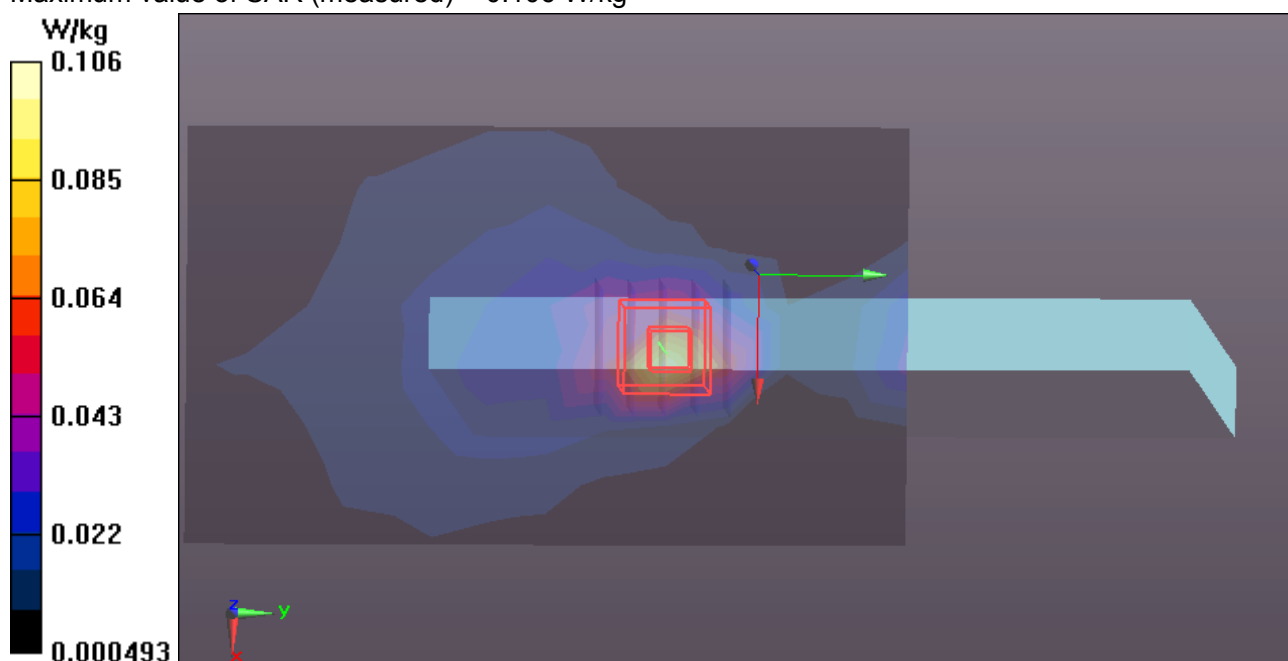
GPRS1900/Body Edge 3 High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.711 V/m: Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.149 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.106 W/kg



Test Laboratory: Compliance Certification Services Inc.

Date: 7/15/2014

GSM 1900-Body Rear High CH810

DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A

Communication System: Generic GSM; Communication System Band: PCS1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.30042

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.589$ S/m; $\epsilon_r = 53.648$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.32, 7.32, 7.32); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

GSM 1900/GSM1900 Body Rear High CH810/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.654 W/kg

GSM 1900/GSM1900 Body Rear High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

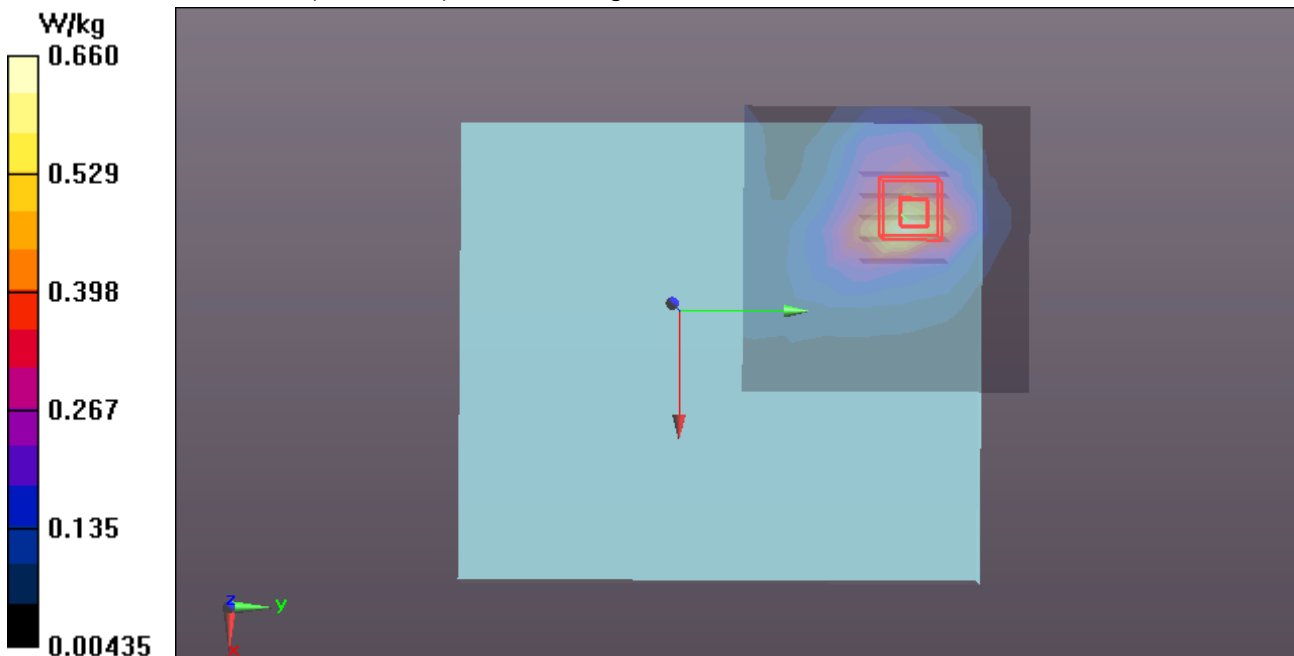
 $dx=8\text{mm}, dy=8\text{mm}, dz=5\text{mm}$

Reference Value = 4.505 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.926 W/kg

SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 0.660 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/15/2014

WCDMA Band II-Body Rear Low CH9262**DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A**

Communication System: FDD WCDMA; Communication System Band: Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.516$ S/m; $\epsilon_r = 53.712$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.32, 7.32, 7.32); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA/WCDMA Band II Body Rear Low CH9262/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.91 W/kg

WCDMA/WCDMA Band II Body Rear Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

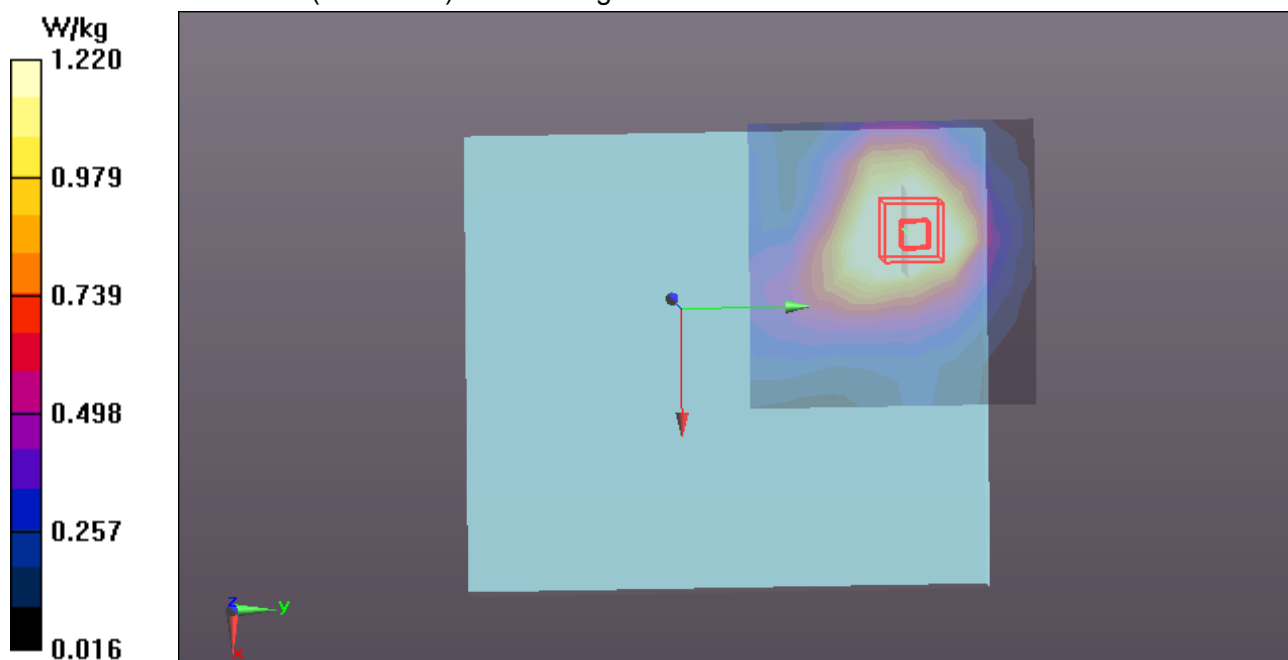
dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.00 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.673 W/kg; SAR(10 g) = 0.388 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.22 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/15/2014

WCDMA Band II-Body-Edge 1 Low CH9262**DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A**

Communication System: FDD WCDMA; Communication System Band: Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.516$ S/m; $\epsilon_r = 53.712$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.32, 7.32, 7.32); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA/WCDMA Band II Body Edge 1 Low CH9262/Area Scan (11x7x1): Measurement grid:
dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.616 W/kg

WCDMA/WCDMA Band II Body Edge 1 Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

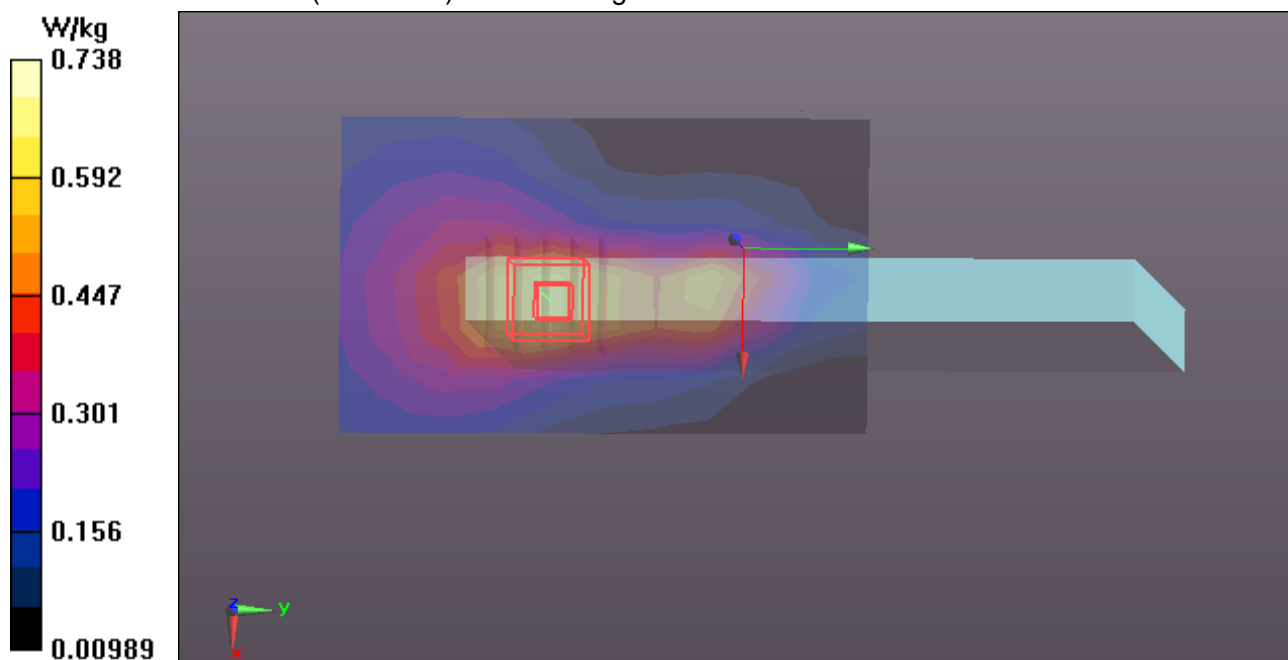
dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.92 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.965 W/kg

SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.233 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.738 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/15/2014

WCDMA Band II-Body-Edge 2 Low CH9262

DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A

Communication System: FDD WCDMA; Communication System Band: Band 2; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.516$ S/m; $\epsilon_r = 53.712$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.32, 7.32, 7.32); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WCDMA/WCDMA Band II Body Edge 2 Low CH9262/Area Scan (7x7x1): Measurement grid:
dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.13 W/kg

WCDMA/WCDMA Band II Body Edge 2 Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

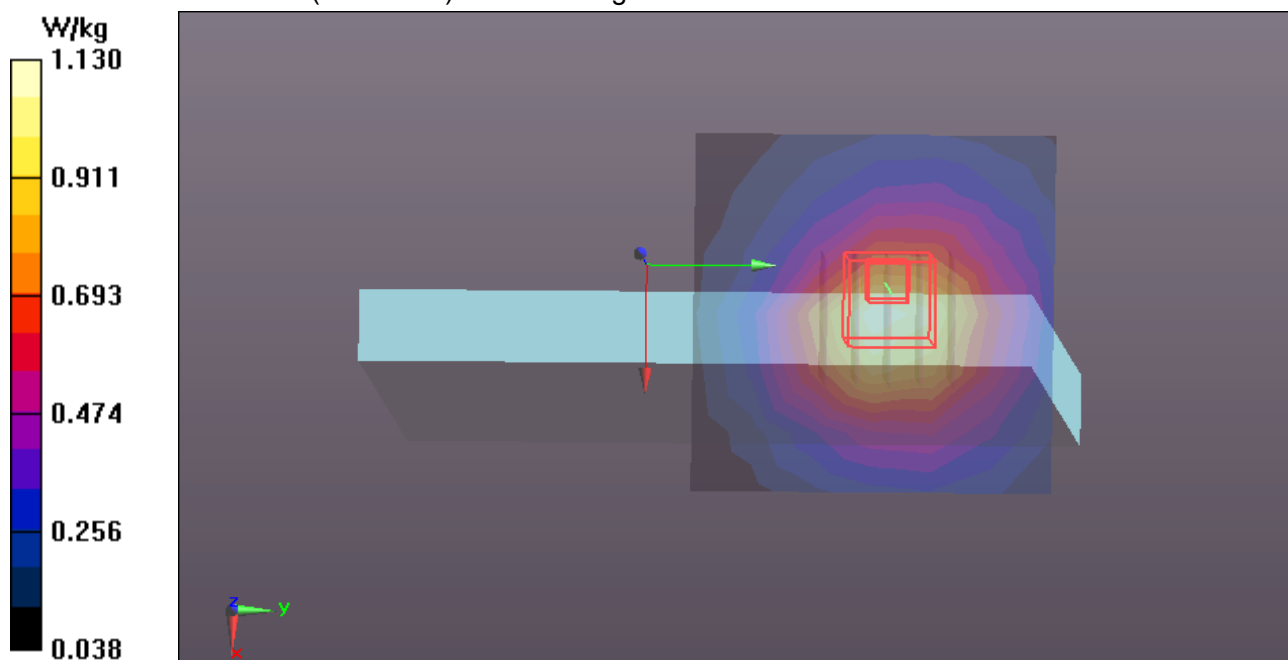
Reference Value = 7.268 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.293 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.814 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 7/15/2014

WIFI-Body Rear Middle CH6**DUT: MorphoBT-Morpho Biometric Terminal; Type: E110B; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.965$ S/m; $\epsilon_r = 52.18$; $\rho = 1000$ kg/m³

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

WIFI/IEEE802.11b Body Rear Middle CH6/Area Scan (11x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0214 W/kg

WIFI/IEEE802.11b Body Rear Middle CH6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.0660 W/kg

SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00422 W/kg

Maximum value of SAR (measured) = 0.0210 W/kg

