



Compliance Certification Services Inc.

Report No: C140508S01-SF

FCC ID: 2ABGW-AS0109K

Date of Issue :May 27, 2014

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Test Laboratory: Compliance Certification Services Inc.

Date: 5/16/2014

GPRS850-Body Rear High CH251**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

GPRS850/Body Rear High CH251/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.810 W/kg

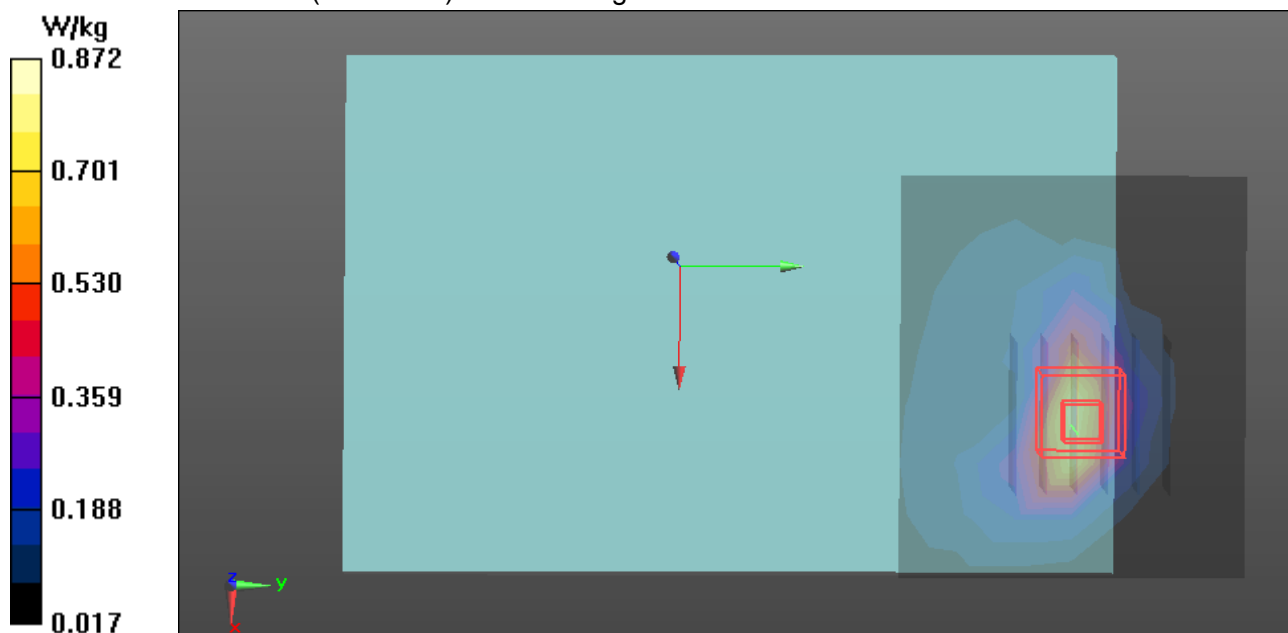
GPRS850/Body Rear High CH251/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.777 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.553 W/kg; SAR(10 g) = 0.284 W/kg

Maximum value of SAR (measured) = 0.872 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/16/2014

GPRS850-Body-Edge 1 High CH251**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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: QDOVA002AA; Serial: TP:1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

GPRS850/Body Edge 1 High CH251/Area Scan (13x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.00387 W/kg

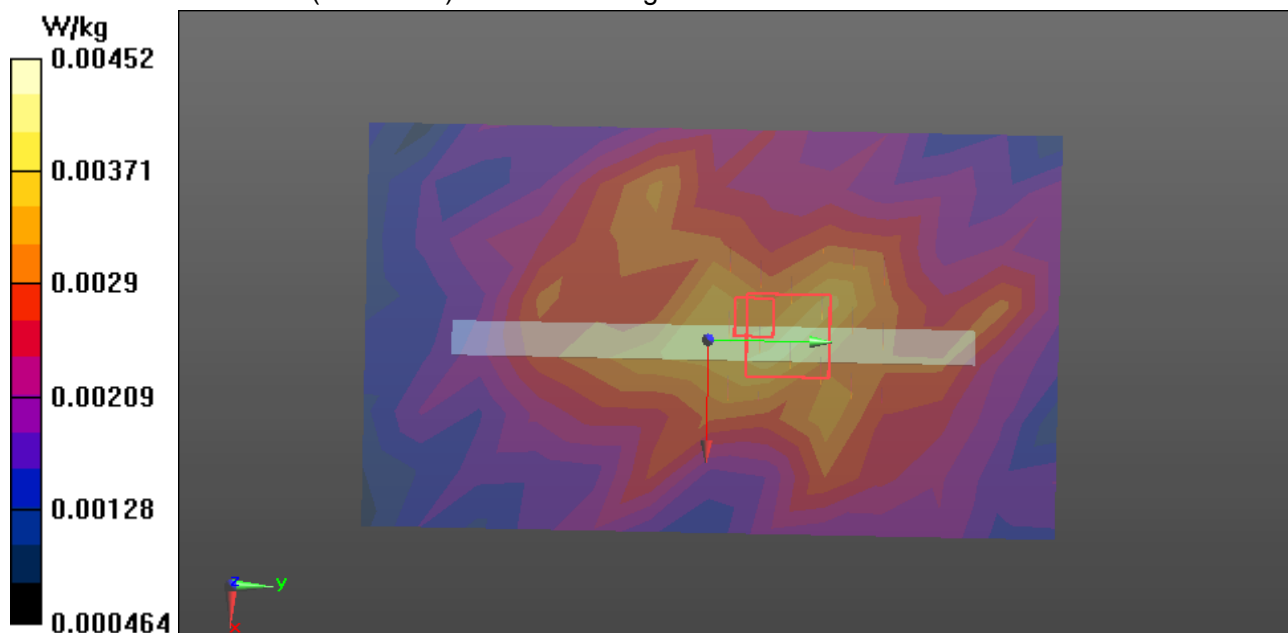
GPRS850/Body Edge 1 High CH251/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.930 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.00539 W/kg

SAR(1 g) = 0.00344 W/kg; SAR(10 g) = 0.0026 W/kg

Maximum value of SAR (measured) = 0.00452 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/16/2014

GPRS850-Body-Edge 2 High CH251**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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: QDOVA002AA; Serial: TP:1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

GPRS850/Body Edge 2 High CH251/Area Scan (16x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0226 W/kg

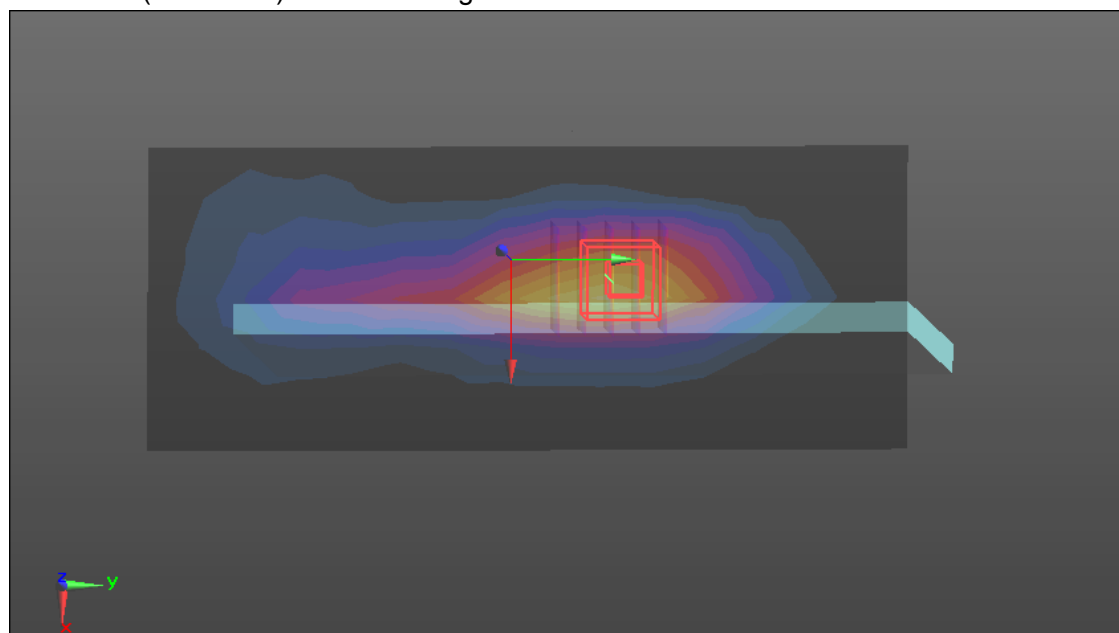
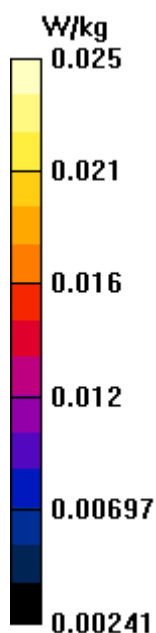
GPRS850/Body Edge 2 High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.001 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0300 W/kg

SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.012 W/kg

Maximum value of SAR (measured) = 0.0252 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/16/2014

GPRS850-Body-Edge 3 High CH251**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

GPRS850/Body Edge 3 High CH251/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.275 W/kg

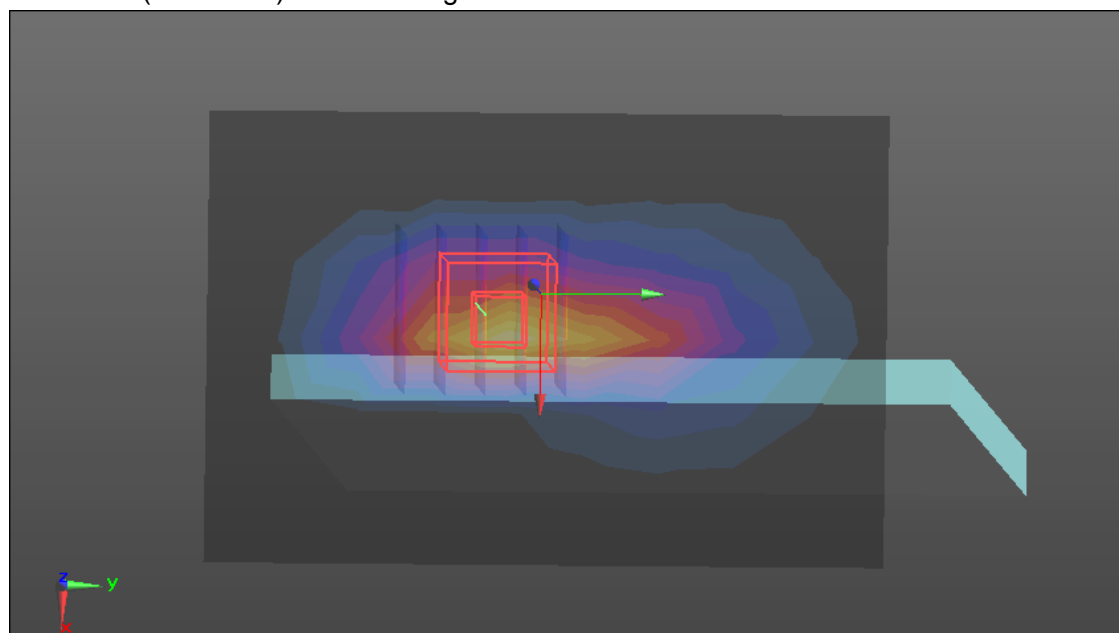
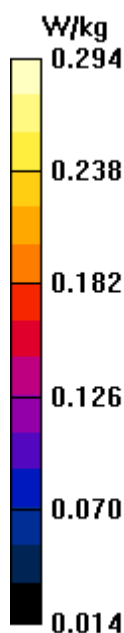
GPRS850/Body Edge 3 High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.635 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.294 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/16/2014

GPRS850-Body-Edge 4 High CH251

DUT: MID; Type: AS0109K; Serial: 865383122752847

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: QDOVA002AA; Serial: TP:1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (measured) = 0.0201 W/kg

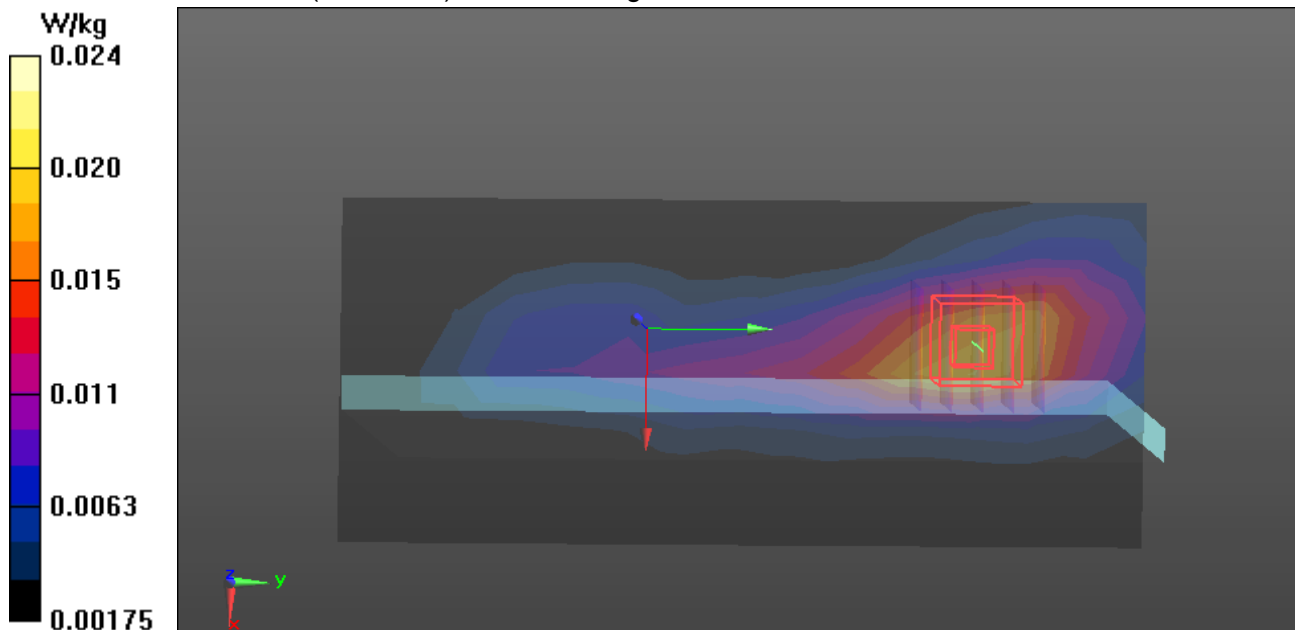
GPRS850/Body Edge 4 High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.029 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.0300 W/kg

SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.012 W/kg

Maximum value of SAR (measured) = 0.0245 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/17/2014

GPRS 1900- Rear Body High CH810**DUT: MID; Type: AS0109K; Serial: 865383122752847**

Communication System: Generic GSM; Communication System Band: PCS1900; 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: QDOVA002AA; Serial: TP:1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

GPRS 1900/Rear High CH810/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.775 W/kg

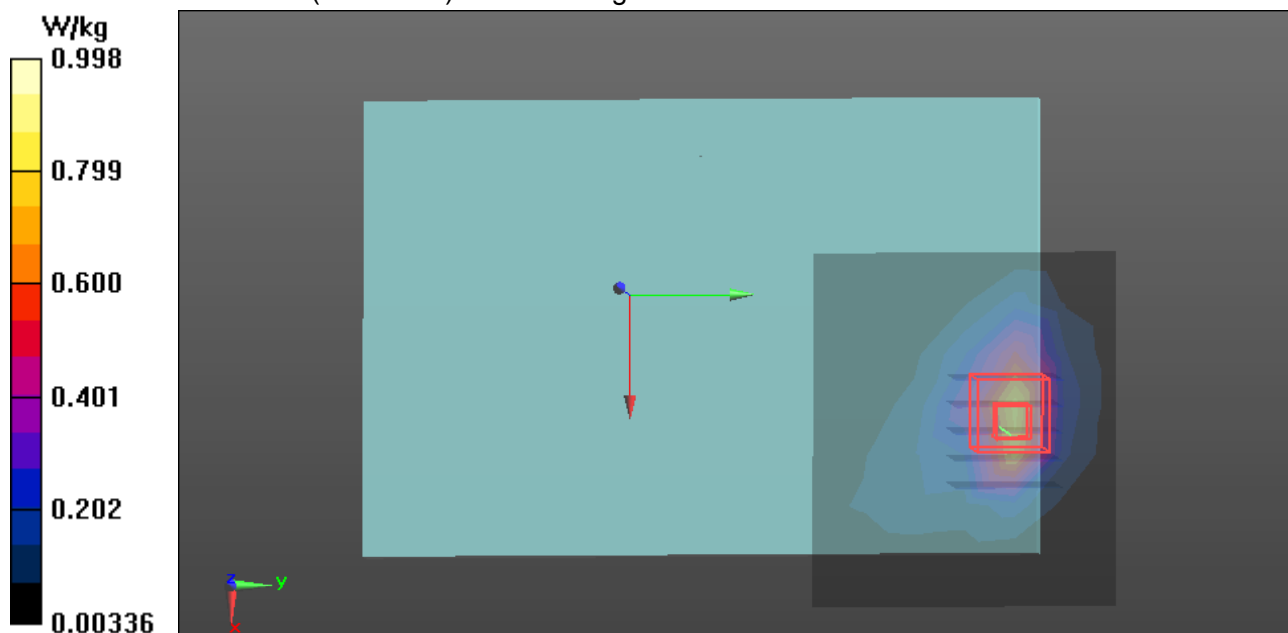
GPRS 1900/Rear High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.818 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 0.998 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/17/2014

GPRS 1900-Body-Edge 2 High CH810**DUT: MID; Type: AS0109K; Serial: 865383122752847**

Communication System: Generic GSM; Communication System Band: PCS1900; 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: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

GPRS 1900/Body Edge 2 High CH810/Area Scan (16x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0152 W/kg

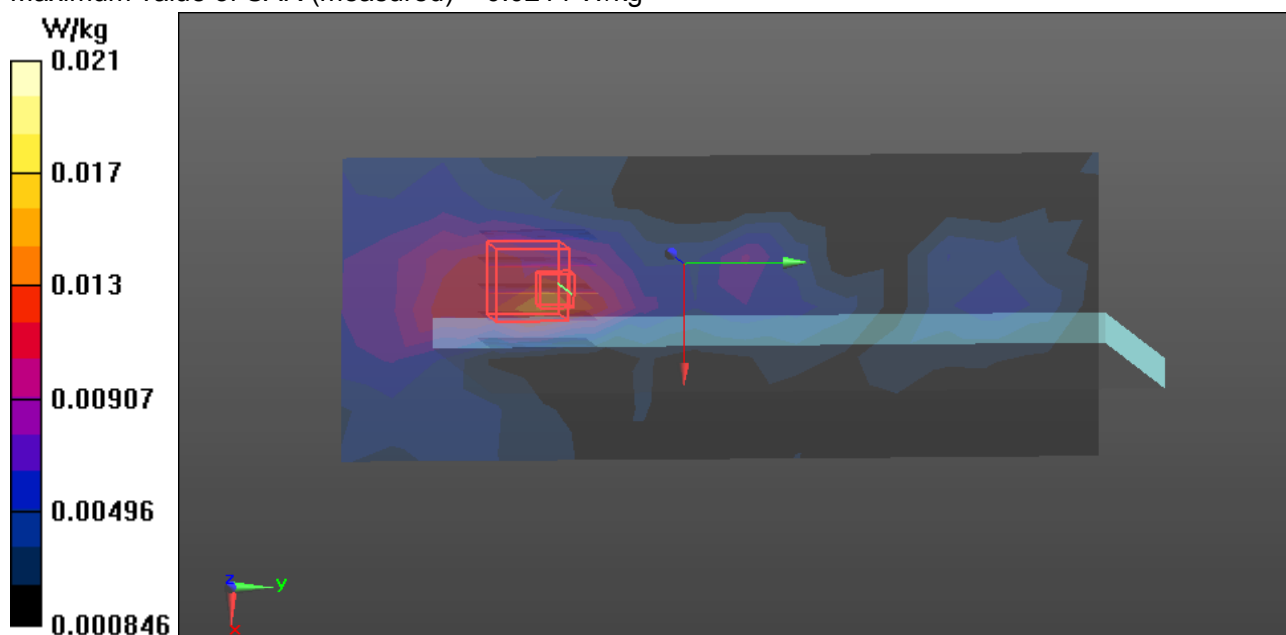
GPRS 1900/Body Edge 2 High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.998 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.0280 W/kg

SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00675 W/kg

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





Test Laboratory: Compliance Certification Services Inc.

Date: 5/17/2014

GPRS 1900-Body-Edge 3 High CH810**DUT: MID; Type: AS0109K; Serial: 865383122752847**

Communication System: Generic GSM; Communication System Band: PCS1900; 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: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

GPRS 1900/Body Edge 3 High CH810/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.373 W/kg

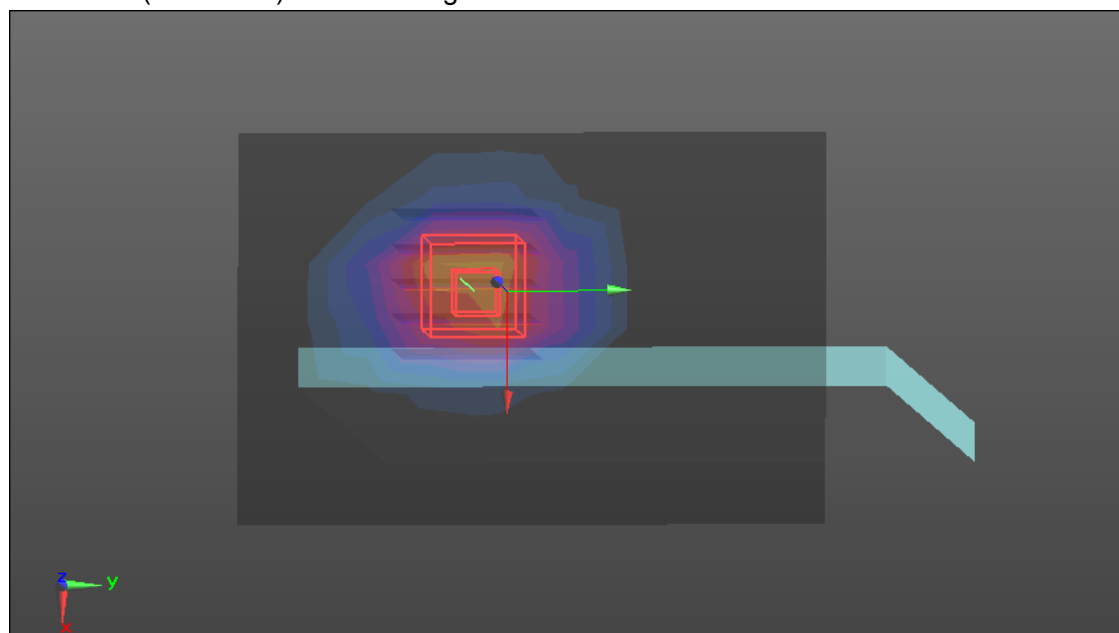
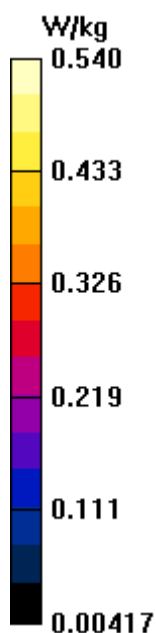
GPRS 1900/Body Edge 3 High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.254 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.674 W/kg

SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.540 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/17/2014

GPRS 1900-Body-Edge 4 High CH810**DUT: MID; Type: AS0109K; Serial: 865383122752847**

Communication System: Generic GSM; Communication System Band: PCS1900; 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: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

GPRS 1900/Body Edge 4 High CH810/Area Scan (15x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.712 W/kg

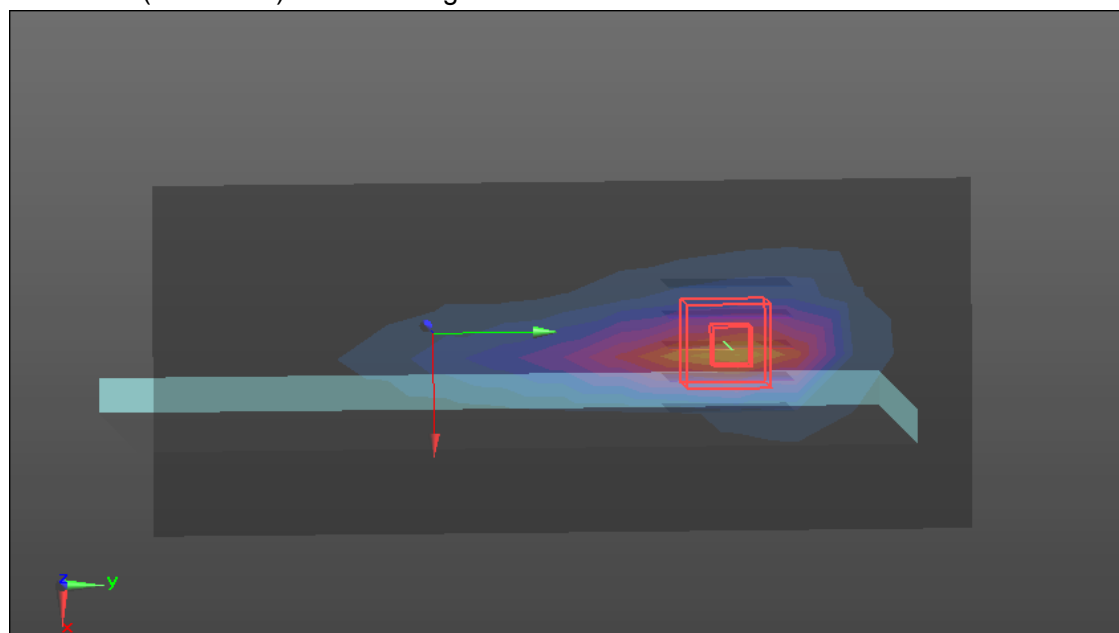
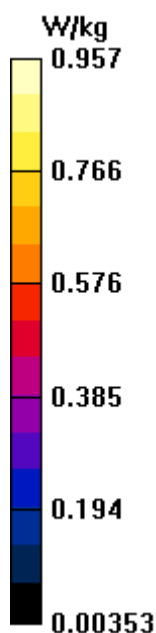
GPRS 1900/Body Edge 4 High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.498 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.216 W/kg

Maximum value of SAR (measured) = 0.957 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/17/2014

WCDMA Band II-Body Rear Low CH9262**DUT: MID; Type: AS0109K; Serial: 865383122752847**

Communication System: FDD WCDMA; Communication System Band: Band II; 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: QDOVA002AA; Serial: TP:1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WCDMA Band V/Rear Low CH9262/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.677 W/kg

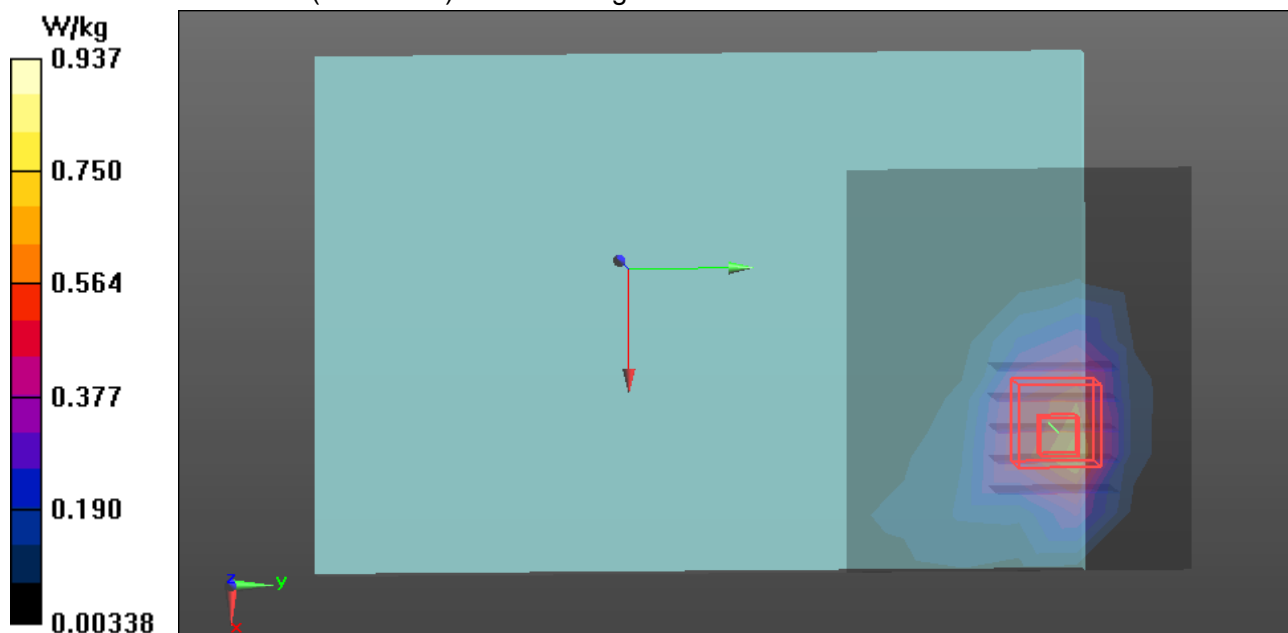
WCDMA Band V/Rear Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.160 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 0.937 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/17/2014

WCDMA Band II-Body-Edge 2 Low CH9262**DUT: MID; Type: AS0109K; Serial: 865383122752847**

Communication System: FDD WCDMA; Communication System Band: Band II; 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), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WCDMA Band V/Body Edge 2 Low CH9262/Area Scan (16x7x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.00780 W/kg

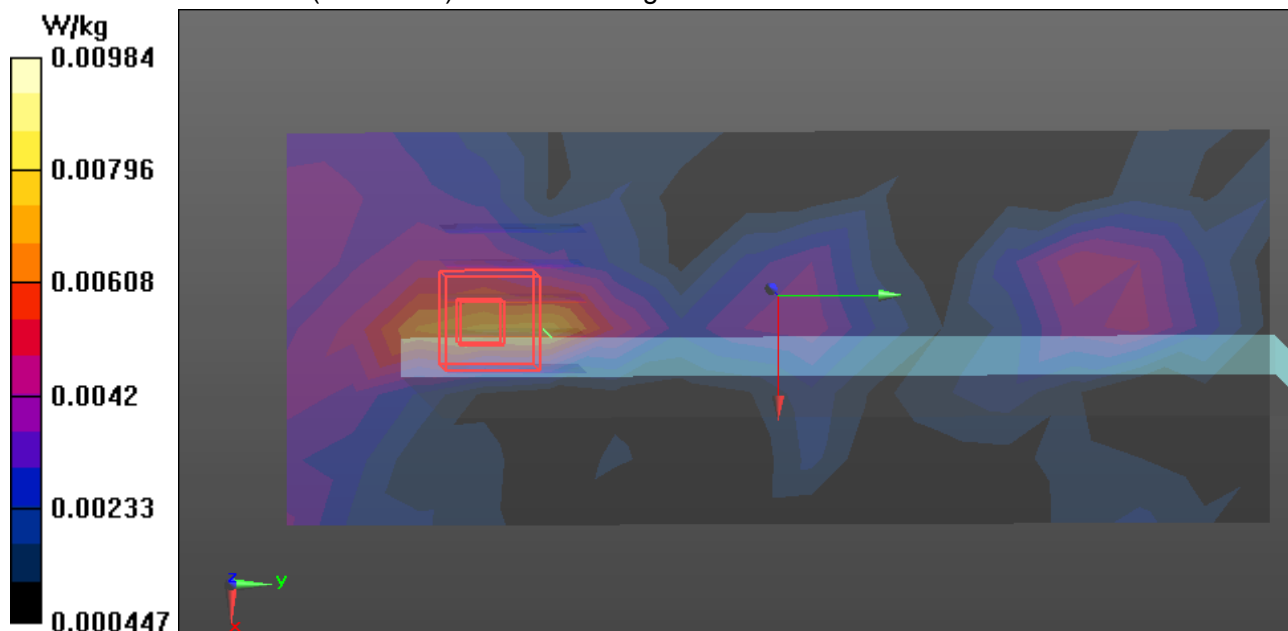
WCDMA Band V/Body Edge 2 Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.619 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0140 W/kg

SAR(1 g) = 0.00574 W/kg; SAR(10 g) = 0.00347 W/kg

Maximum value of SAR (measured) = 0.00984 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/17/2014

WCDMA Band II-Body-Edge 3 Low CH9262**DUT: MID; Type: AS0109K; Serial: 865383122752847**

Communication System: FDD WCDMA; Communication System Band: Band II; 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), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WCDMA Band V/Edge 3 Low CH9262/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.470 W/kg

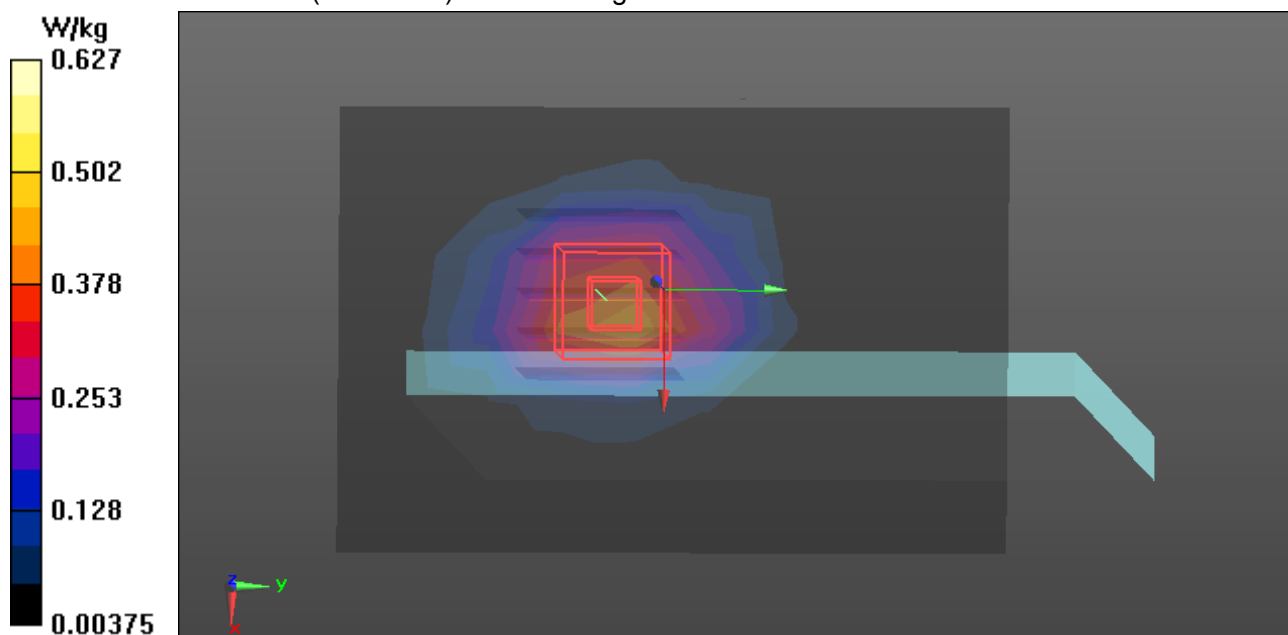
WCDMA Band V/Edge 3 Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.966 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.787 W/kg

SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.197 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.627 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/17/2014

WCDMA Band II-Body-Edge 4 Low CH9262**DUT: MID; Type: AS0109K; Serial: 865383122752847**

Communication System: FDD WCDMA; Communication System Band: Band II; 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), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WCDMA Band V/Body Edge 4 Low CH9262/Area Scan (15x7x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.480 W/kg

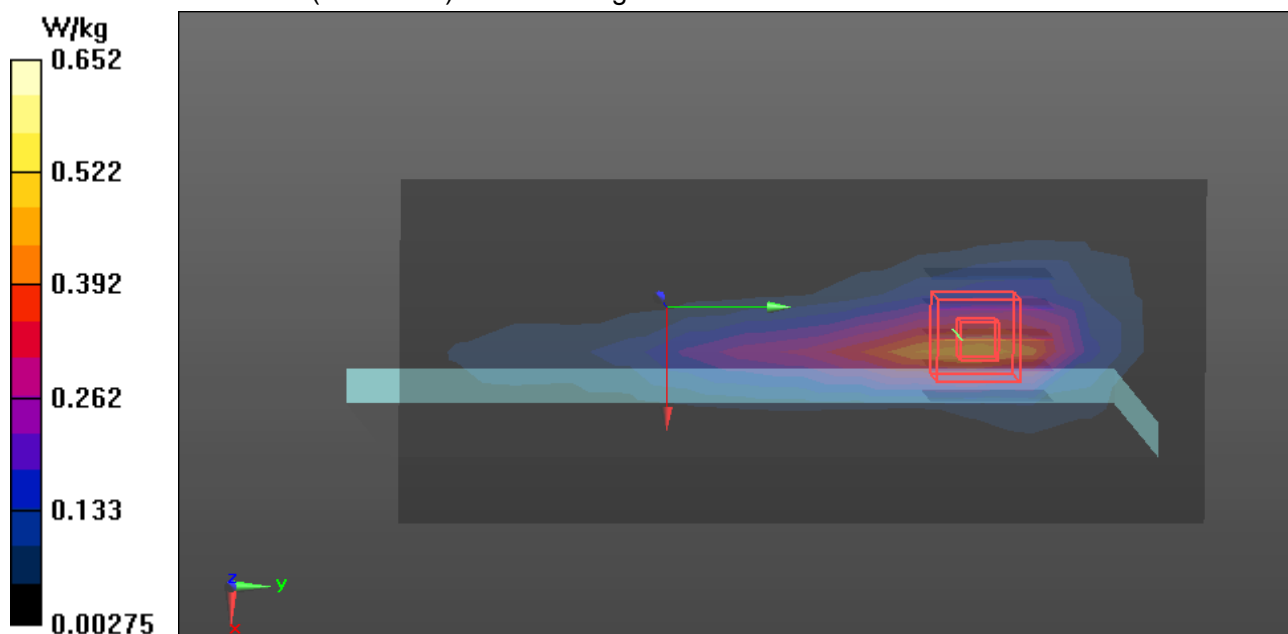
WCDMA Band V/Body Edge 4 Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.422 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.843 W/kg

SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.158 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.652 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/16/2014

WCDMA BandV-Body Rear Low CH4132**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.962$ S/m; $\epsilon_r = 54.369$; $\rho = 1000$ 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: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WCDMA Band V/Rear Low CH4132/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.706 W/kg

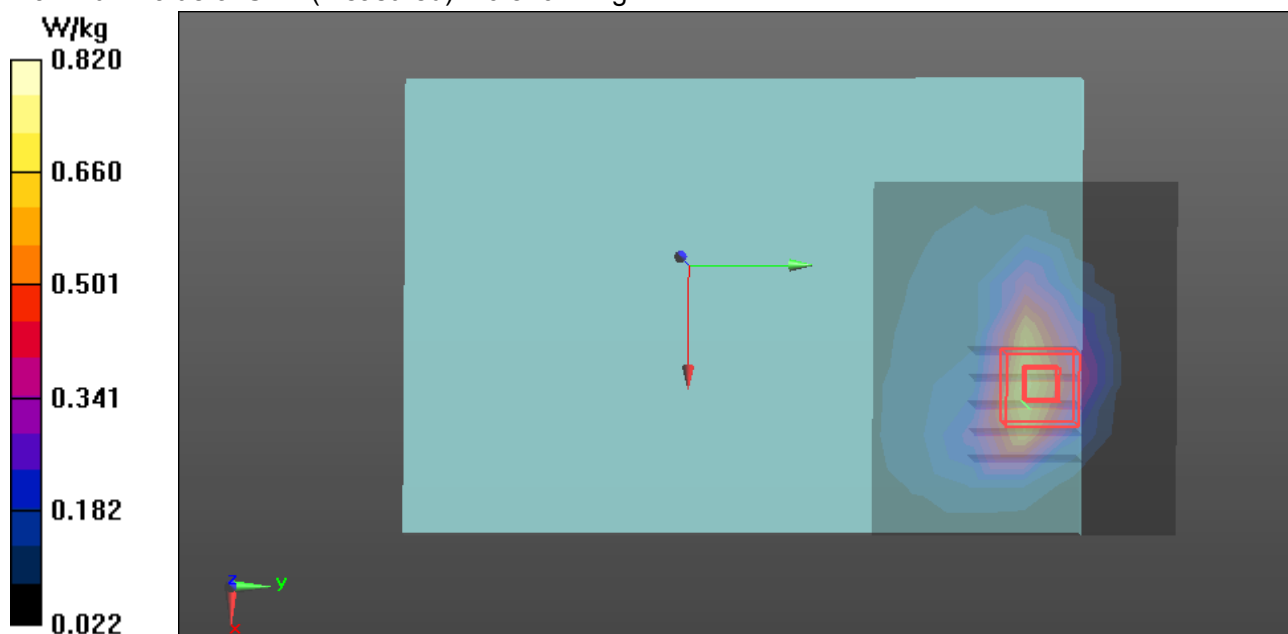
WCDMA Band V/Rear Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.242 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.291 W/kg

Maximum value of SAR (measured) = 0.820 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/16/2014

WCDMA BandV-Body-Edge 2 Low CH4132**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.962$ S/m; $\epsilon_r = 54.369$; $\rho = 1000$ 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), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WCDMA Band V/Body Edge 2 Low CH4132/Area Scan (16x7x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0267 W/kg

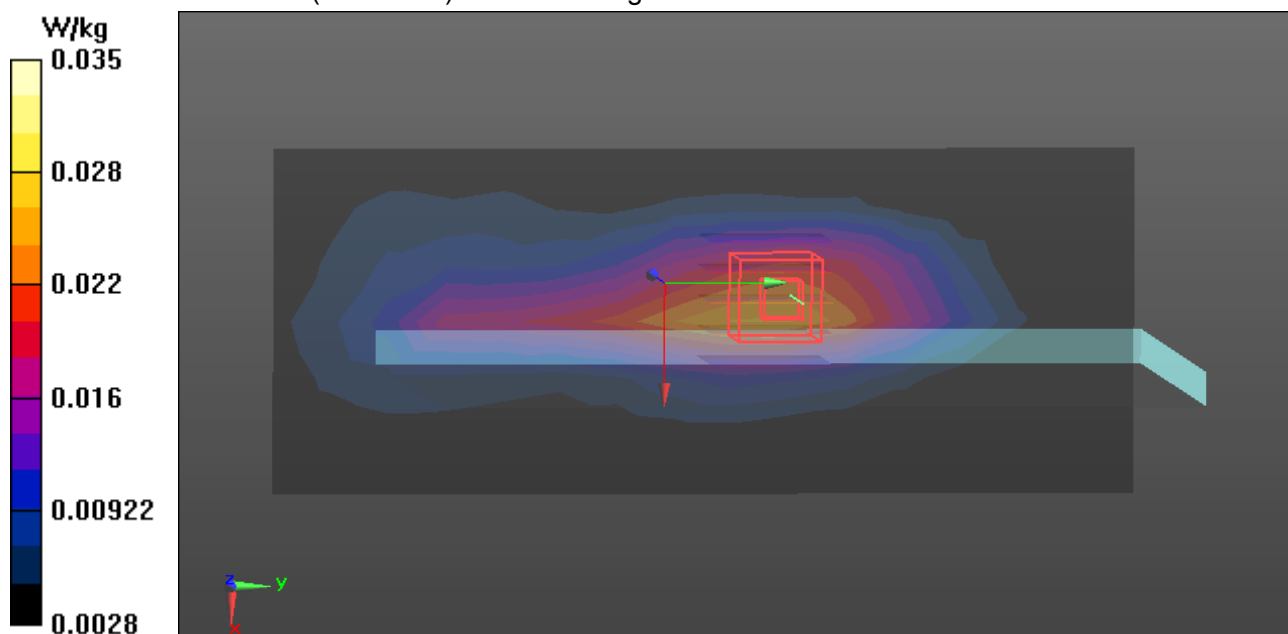
WCDMA Band V/Body Edge 2 Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.831 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.0410 W/kg

SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.016 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0349 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/16/2014

WCDMA BandV-Body-Edge 3 Low CH4132**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.962$ S/m; $\epsilon_r = 54.369$; $\rho = 1000$ 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), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WCDMA Band V/Edge 3 Low CH4132/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.177 W/kg

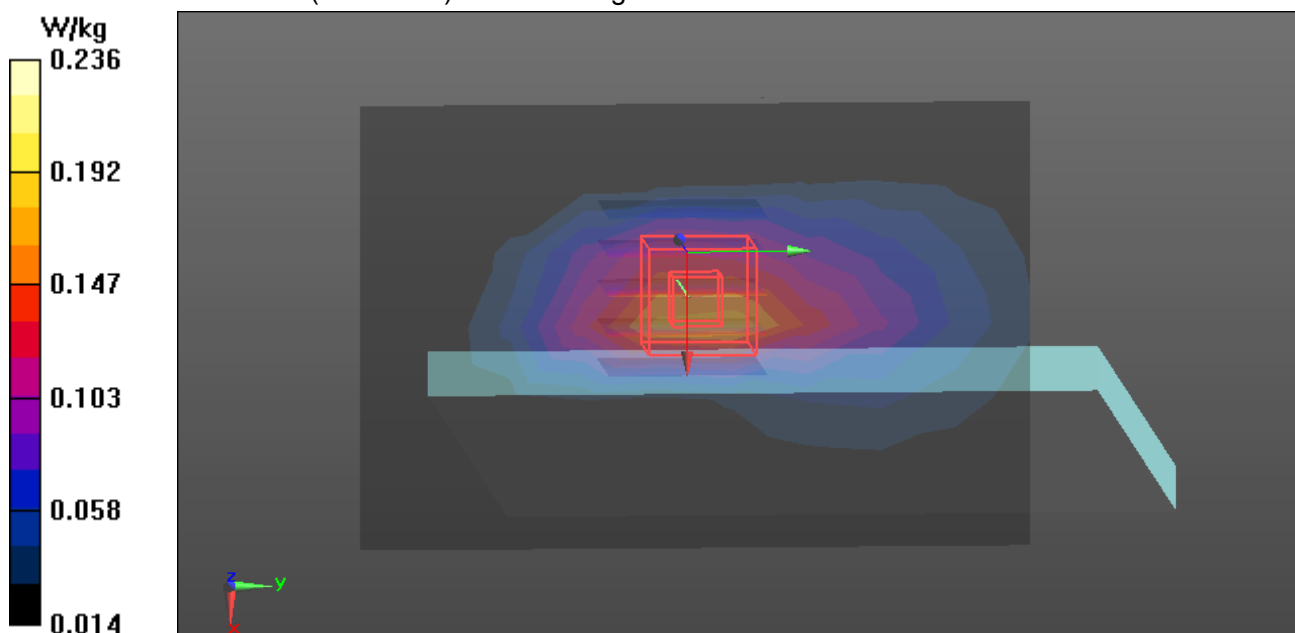
WCDMA Band V/Edge 3 Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.236 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.100 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.236 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/16/2014

WCDMA BandV-Body-Edge 4 Low CH4132**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.962$ S/m; $\epsilon_r = 54.369$; $\rho = 1000$ 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), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WCDMA Band V/Body Edge 4 Low CH4132/Area Scan (15x7x1): Measurement grid: dx=15mm, dy=15mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0276 W/kg

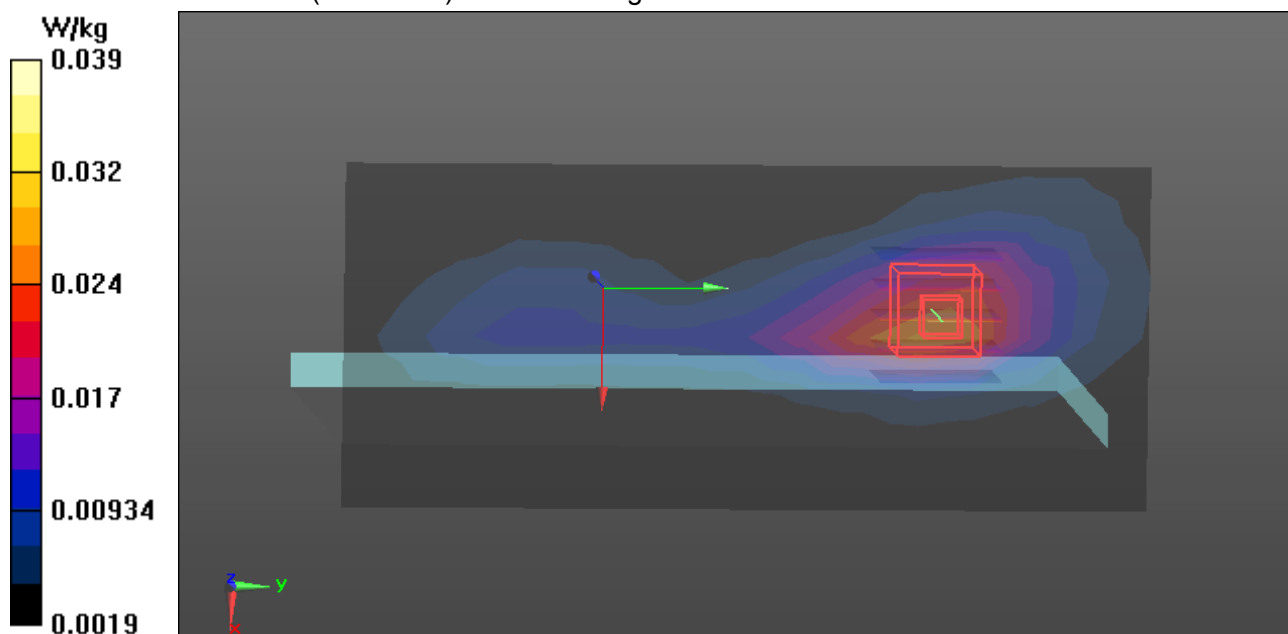
WCDMA Band V/Body Edge 4 Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.787 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0470 W/kg

SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.015 W/kg[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0391 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/15/2014

WIFI-Body Rear Middle CH6**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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; $\sigma = 2.01$ S/m; $\epsilon_r = 50.798$; $\rho = 1000$ 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(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11b Body Rear Middle CH6/Area Scan (10x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.903 W/kg

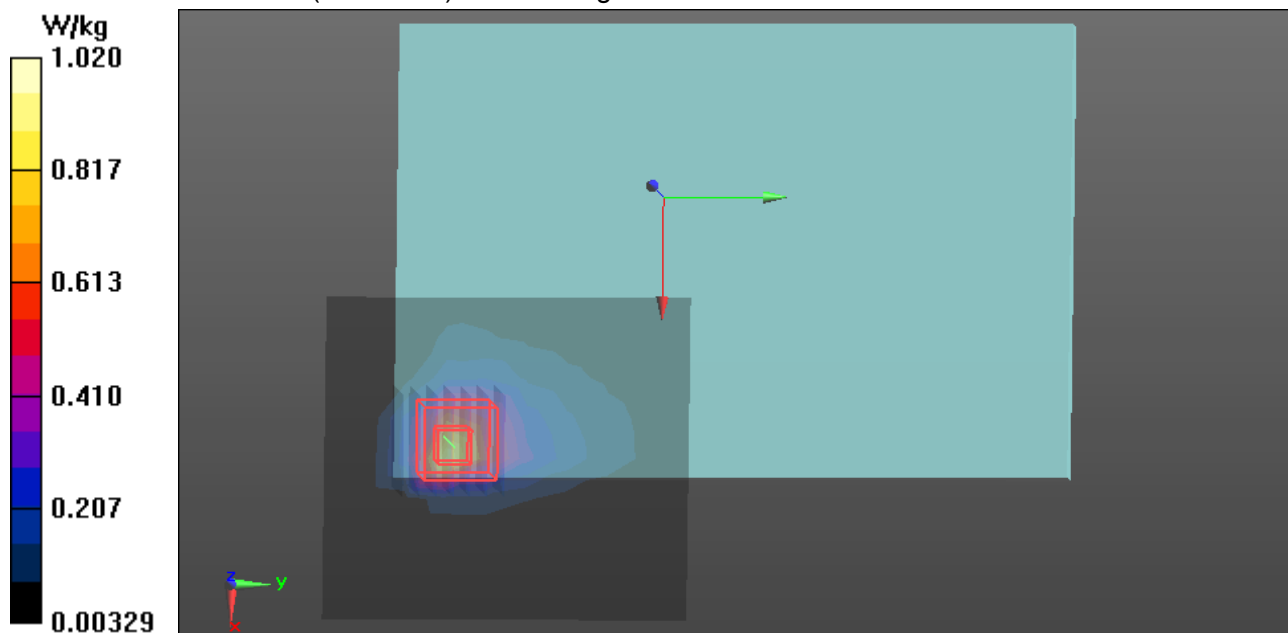
WIFI/IEEE802.11b Body Rear Middle CH6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.858 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.438 W/kg; SAR(10 g) = 0.181 W/kg

Maximum value of SAR (measured) = 1.02 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/15/2014

WIFI-Body -Edge 1 High CH6**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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; $\sigma = 2.01$ S/m; $\epsilon_r = 50.798$; $\rho = 1000$ 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(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASYS 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11b Body Edge 1 High CH6/Area Scan (13x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.122 W/kg

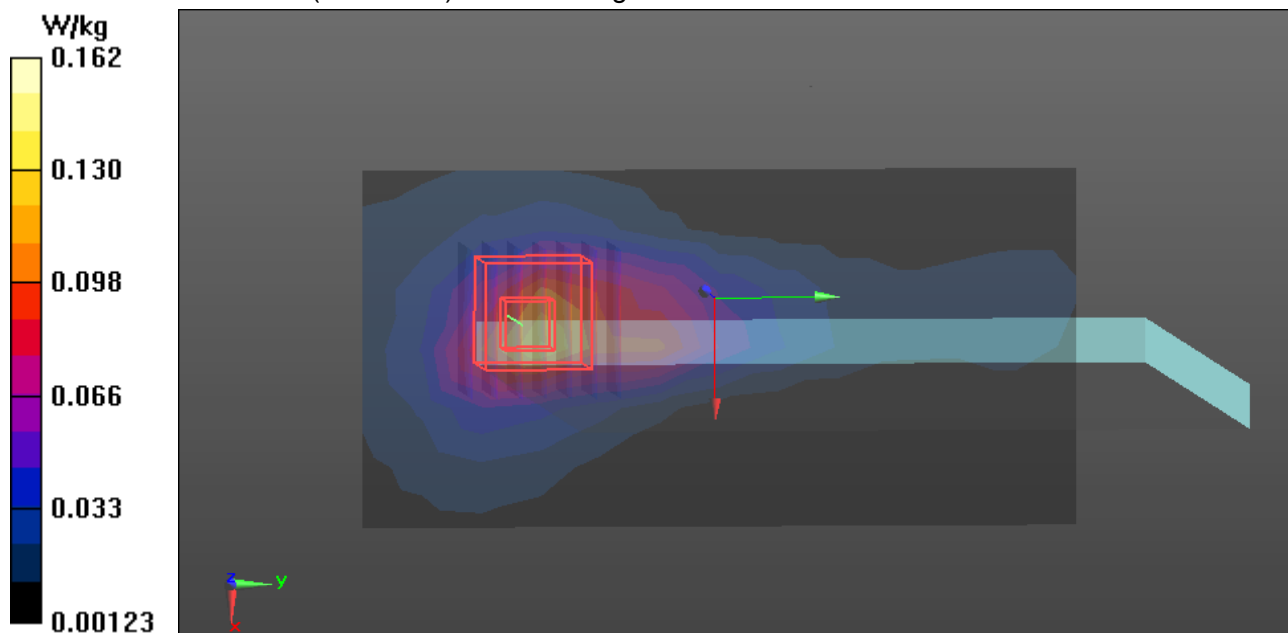
WIFI/IEEE802.11b Body Edge 1 High CH6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.894 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (measured) = 0.162 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 5/15/2014

WIFI-Body -Edge4 High CH6**DUT: MID; Type: AS0109K; Serial: 865383122752847**

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; $\sigma = 2.01$ S/m; $\epsilon_r = 50.798$; $\rho = 1000$ 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(7.08, 7.08, 7.08); Calibrated: 7/26/2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 7/25/2013
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11b Body Edge 4 High CH6/Area Scan (13x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.564 W/kg

WIFI/IEEE802.11b Body Edge 4 High CH6/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.057 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.735 W/kg

