Test Laboratory: Compliance Certification Services Inc. Date: 10/10/2013

GPRS850-Body Rear High CH251

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: Generic GPRS; Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:2

Medium parameters used: f = 849 MHz; σ = 0.981 S/m; ε_r = 54.913; ρ = 1000 kg/m^3

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

GPRS/Rear High CH251/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.45 W/kg

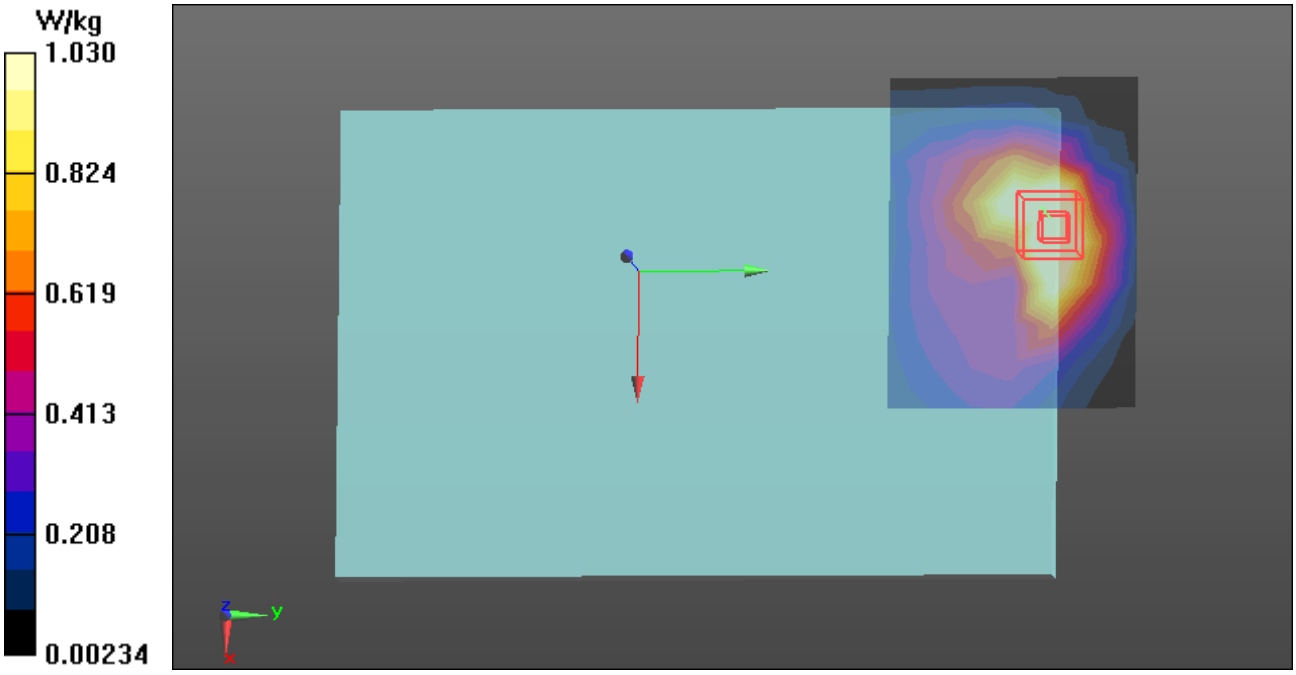
GPRS/Rear High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

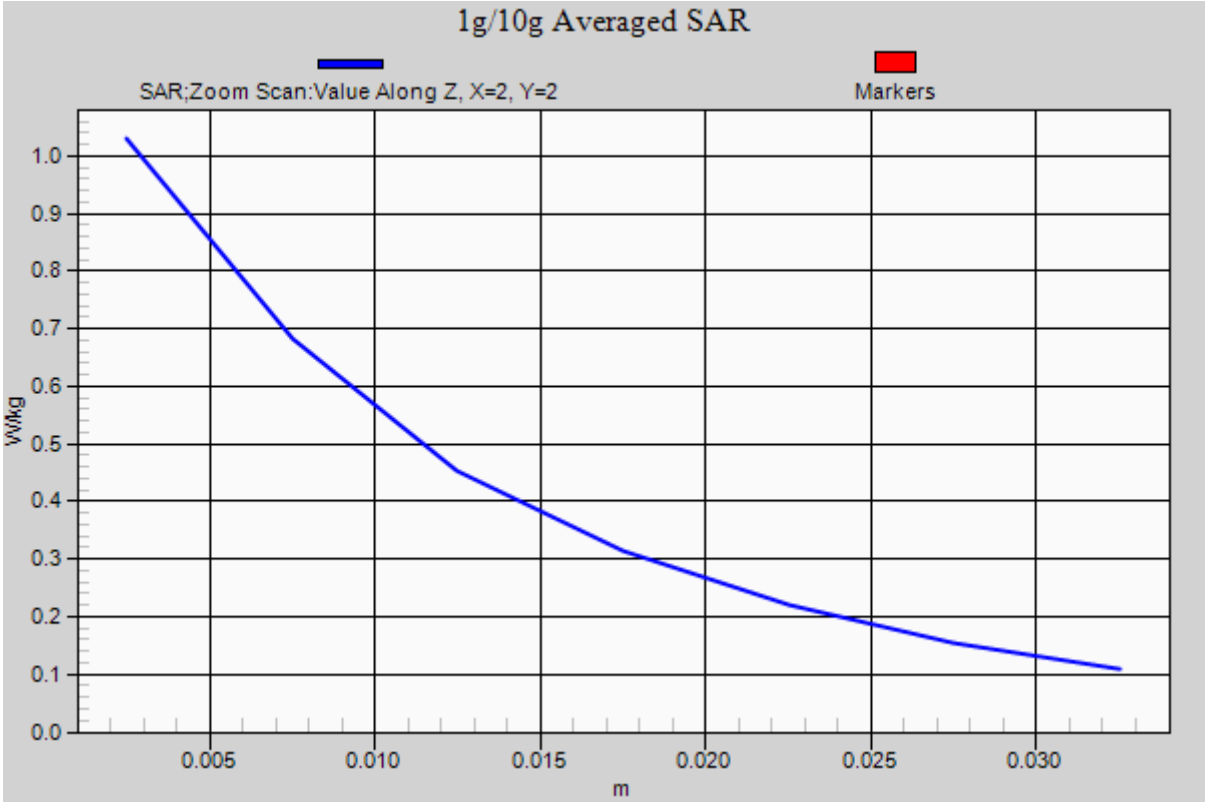
Reference Value = 5.232 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.416 W/kg

Maximum value of SAR (measured) = 1.03 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
W/kg
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

Test Laboratory: Compliance Certification Services Inc. Date: 1/8/2014

GPRS 850- Edge1 High CH251

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: Generic GPRS; Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:2

Medium parameters used: f = 849 MHz; σ = 0.968 S/m; ε_r = 52.759; ρ = 1000 kg/m^3

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

GPRS 850/GPRS850 Body Up High CH251/Area Scan (7x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.793 W/kg

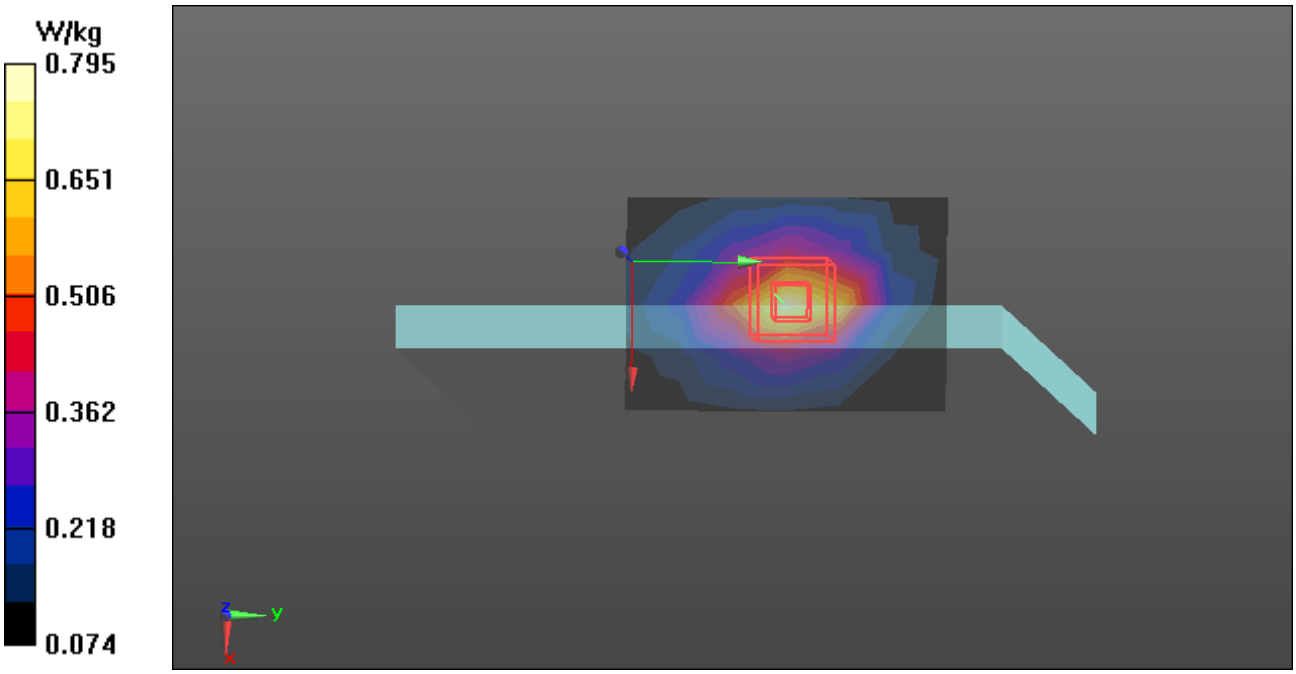
GPRS 850/GPRS850 Body Up High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.667 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.894 W/kg

SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.213 W/kg

Maximum value of SAR (measured) = 0.795 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 10/10/2013

GPRS850-Edge3 High CH251

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: Generic GPRS; Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:2

Medium parameters used: f = 849 MHz; σ = 0.981 S/m; ε_r = 54.913; ρ = 1000 kg/m^3

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

GPRS/ Edge3 High CH251/Area Scan (10x6x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.910 W/kg

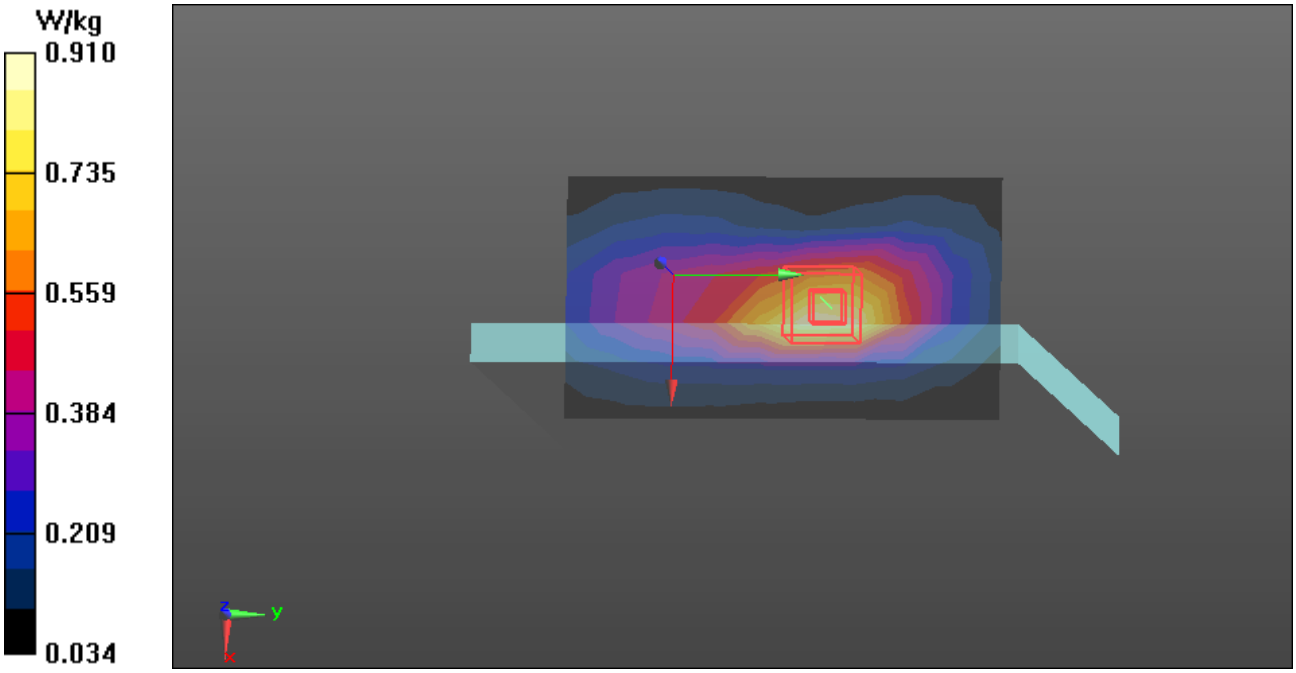
GPRS/ Edge3 High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.232 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.466 W/kg

Maximum value of SAR (measured) = 1.06 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 10/10/2013

GPRS850- Edge4 High CH251

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: Generic GPRS; Communication System Band: GPRS850; Frequency: 848.8 MHz;Duty Cycle: 1:2

Medium parameters used: f = 849 MHz; σ = 0.981 S/m; ε_r = 54.913; ρ = 1000 kg/m^3

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

GPRS/ Edge4 High CH251/Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.255 W/kg

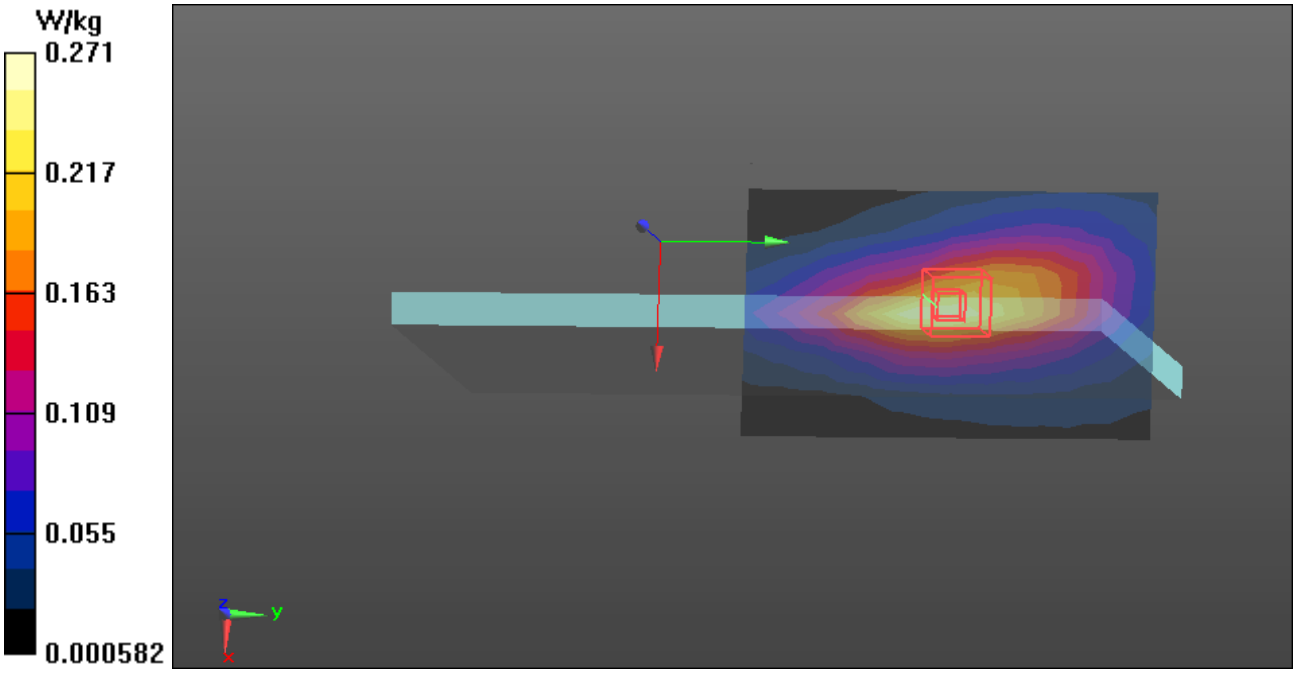
GPRS/ Edge4 High CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.872 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.140 W/kg

Maximum value of SAR (measured) = 0.271 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 10/11/2013

GPRS1900-Body Rear High CH810

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: Generic GSM; Communication System Band: GPRS1900; Frequency: 1909.8 MHz;Duty Cycle: 1:2

Medium parameters used: f = 1910 MHz; σ = 1.547 S/m; ε_r = 53.236; ρ = 1000 kg/m^3

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

GPRS1900/GPRS1900 Body Rear High CH810/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 1.18 W/kg

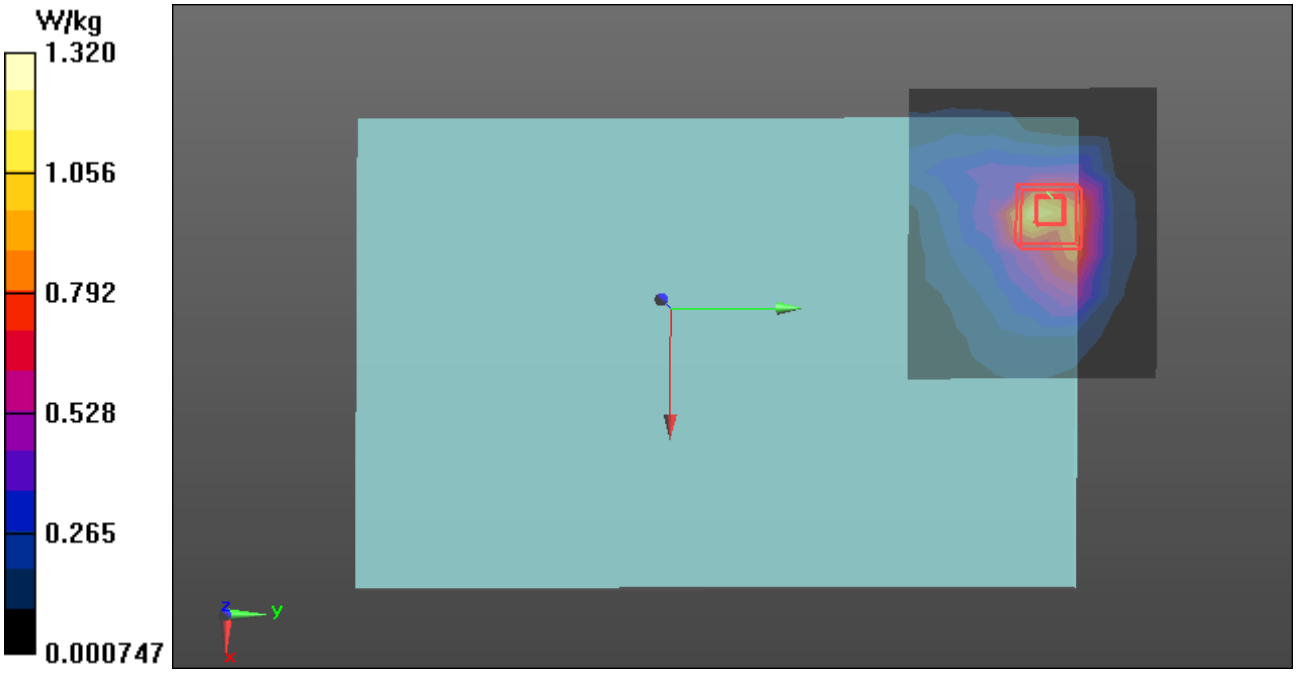
GPRS1900/GPRS1900 Body Rear High CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

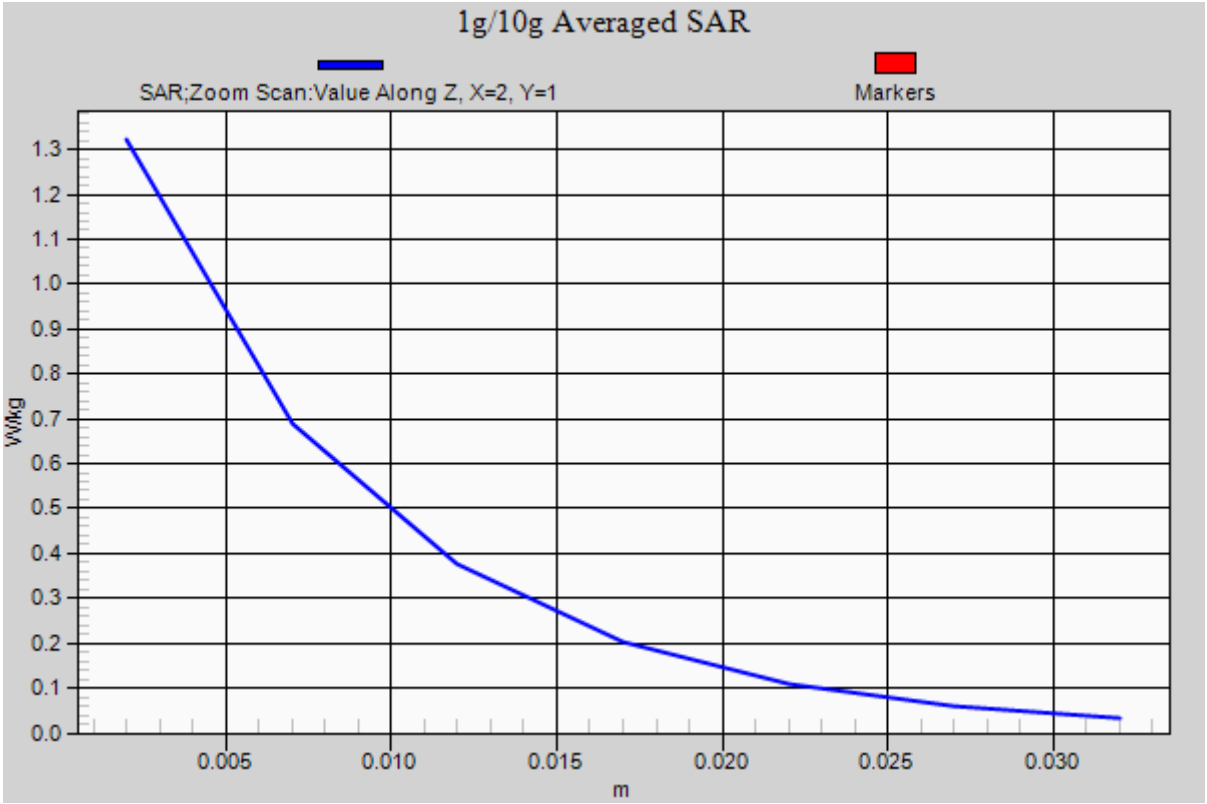
Reference Value = 2.391 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 0.770 W/kg; SAR(10 g) = 0.351 W/kg

Maximum value of SAR (measured) = 1.32 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=1
Markers
W/kg
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

Test Laboratory: Compliance Certification Services Inc. Date: 10/11/2013

GPRS1900- Edge3 High CH810

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: Generic GSM; Communication System Band: GPRS1900; Frequency: 1909.8 MHz;Duty Cycle: 1:2

Medium parameters used: f = 1910 MHz; σ = 1.547 S/m; ε_r = 53.236; ρ = 1000 kg/m^3

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

GPRS1900/GPRS1900 Edge3 High CH810/Area Scan (7x5x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.978 W/kg

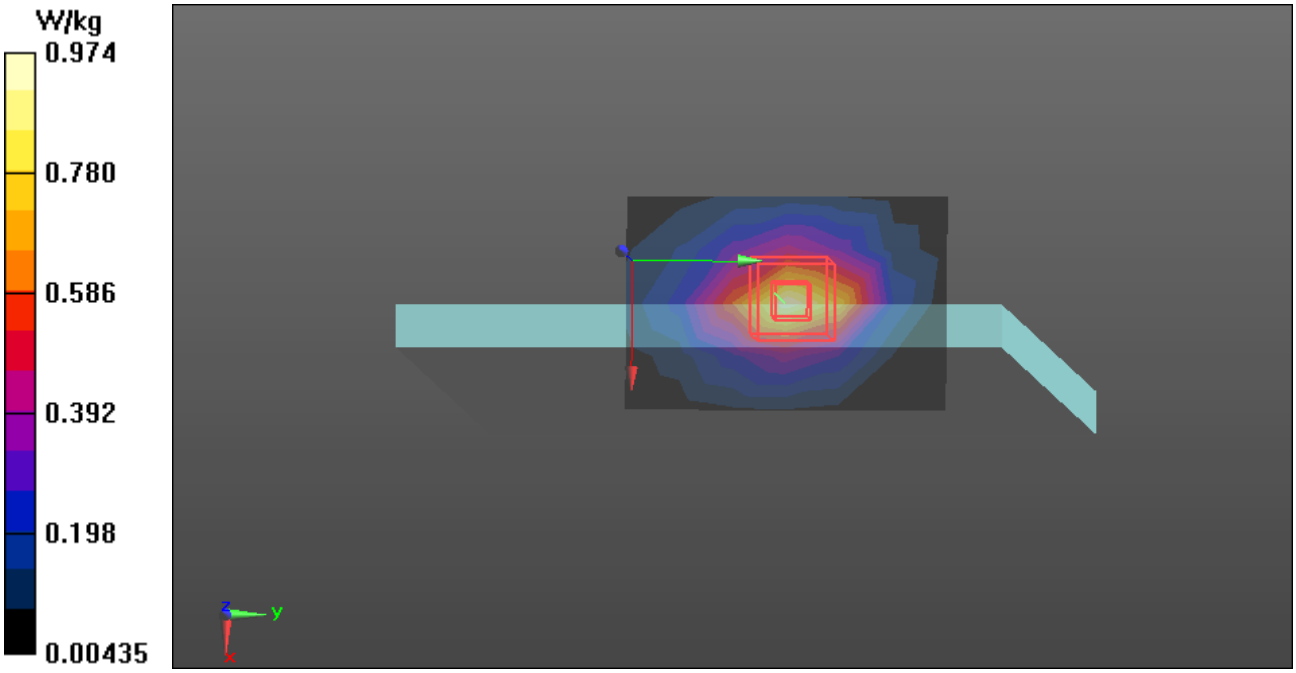
GPRS1900/GPRS1900 Edge3High CH810/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.695 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.303 W/kg

Maximum value of SAR (measured) = 0.974 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 10/11/2013

GPRS1900- Edge4 High CH810

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: Generic GSM; Communication System Band: GPRS1900; Frequency: 1909.8 MHz;Duty Cycle: 1:2

Medium parameters used: f = 1910 MHz; σ = 1.547 S/m; ε_r = 53.236; ρ = 1000 kg/m^3

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

GPRS1900/GPRS1900 Edge4 High CH810/Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.231 W/kg

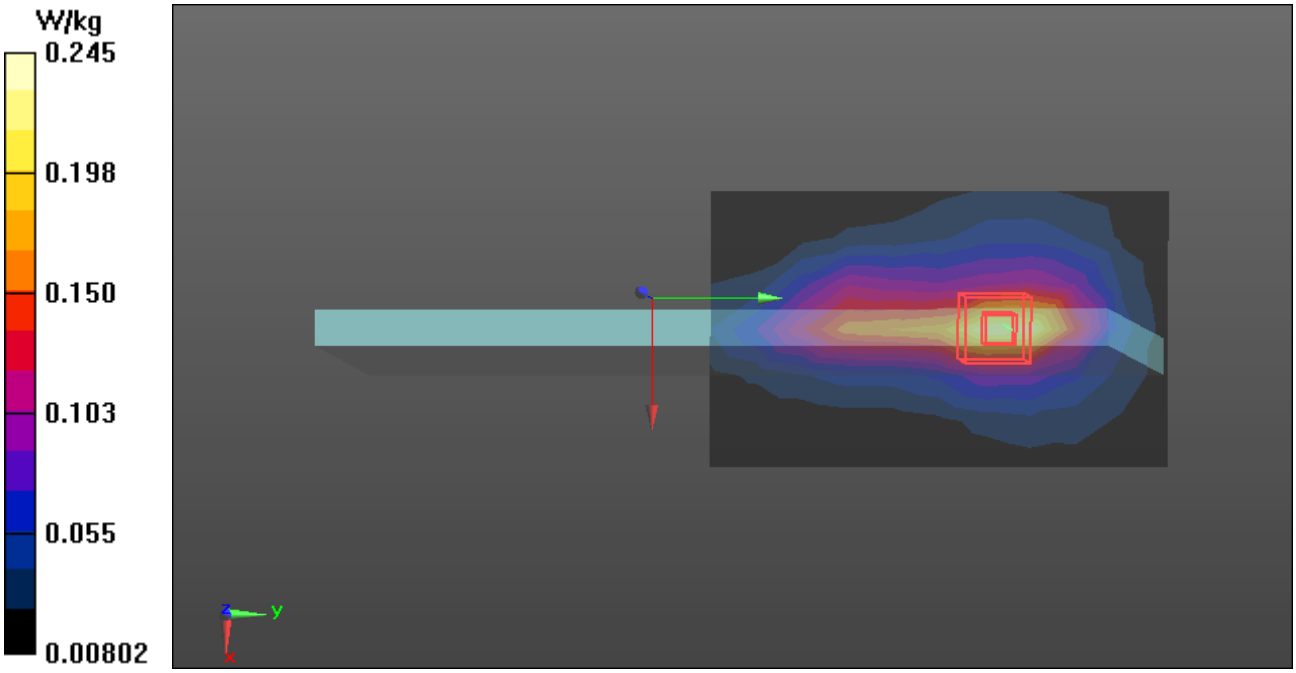
GPRS1900/GPRS1900 Edge4 High CH810/Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.351 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.301 W/kg

SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.245 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 10/11/2013

GPRS1900-Body Rear Low CH512

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: Generic GSM; Communication System Band: GPRS1900; Frequency: 1850.2 MHz;Duty Cycle: 1:2

Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.487 S/m; ε_r = 53.409; ρ = 1000 kg/m^3

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

GPRS1900/GPRS1900 Body Rear Low CH512/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 1.10 W/kg

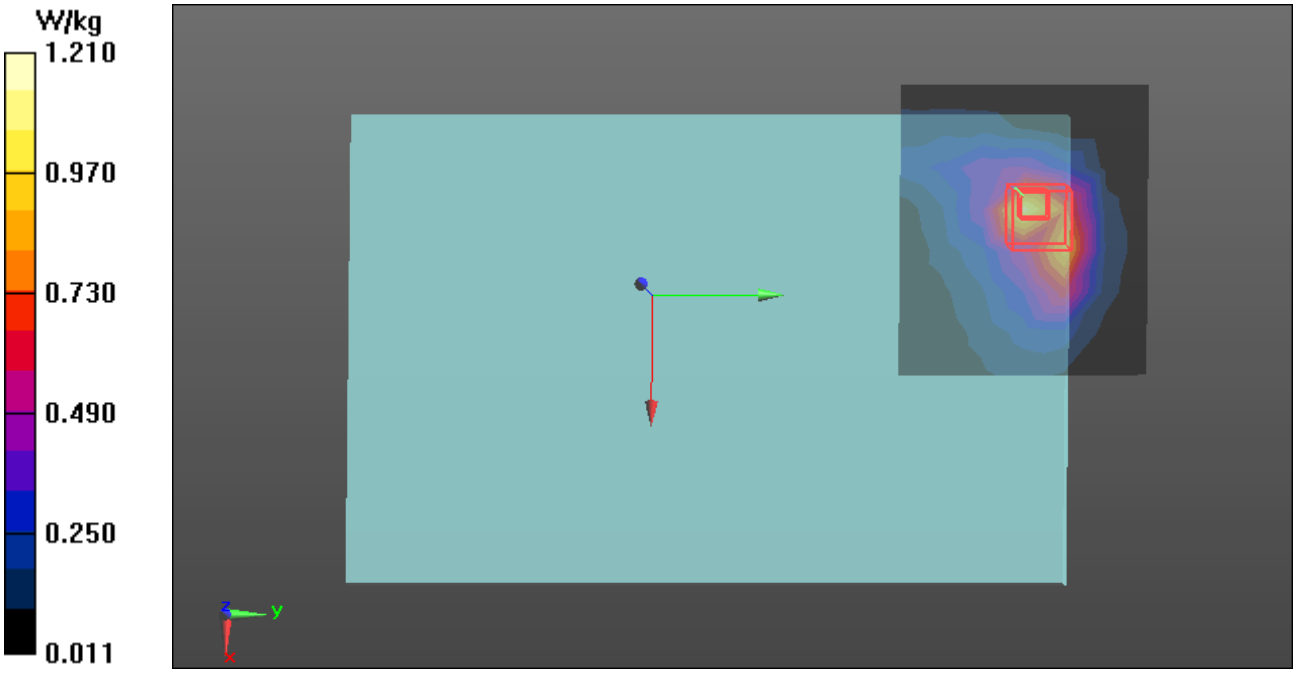
GPRS1900/GPRS1900 Body Rear Low CH512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.423 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.362 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 10/11/2013

GPRS1900-Body Rear Middle CH661

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: Generic GSM; Communication System Band: GPRS1900; Frequency: 1880 MHz;Duty Cycle: 1:2

Medium parameters used: f = 1880 MHz; σ = 1.517 S/m; ε_r = 53.303; ρ = 1000 kg/m^3

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

GPRS1900/GPRS1900 Body Rear Middle CH661/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 1.06 W/kg

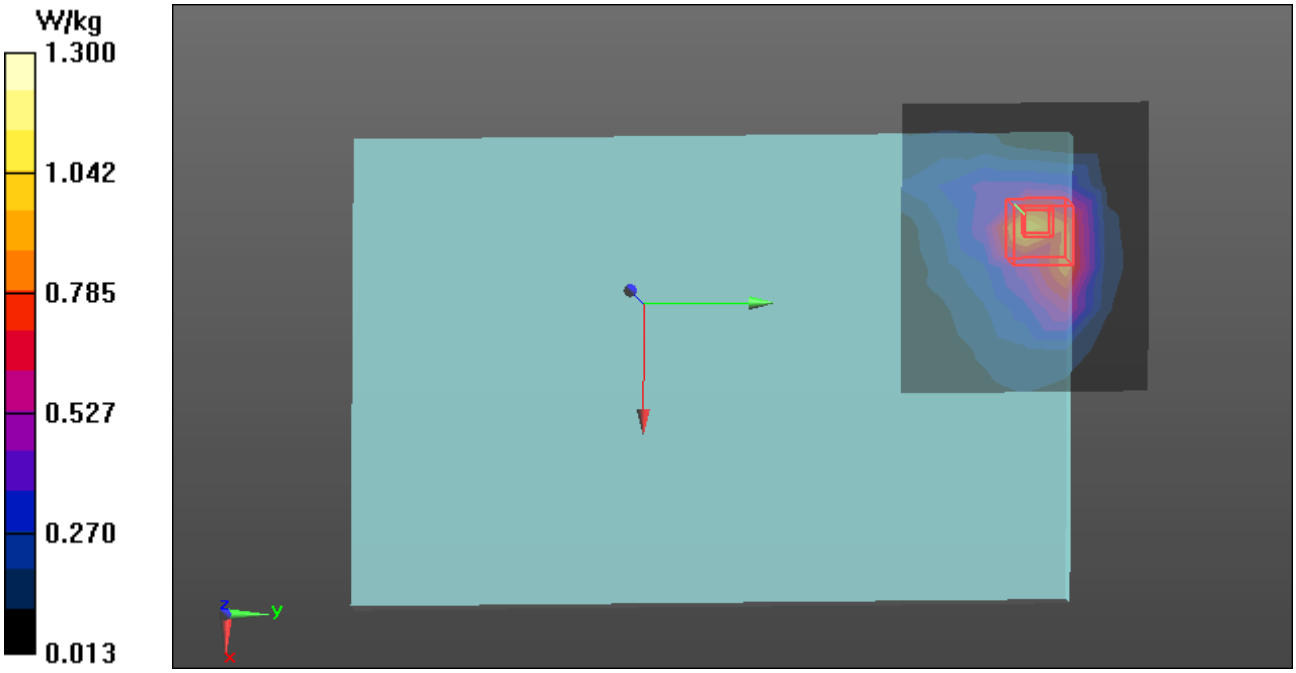
GPRS1900/GPRS1900 Body Rear Middle CH661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.483 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.762 W/kg; SAR(10 g) = 0.492 W/kg

Maximum value of SAR (measured) = 1.30 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 10/11/2013

WCDMA Band II-Rear Low CH9262

DUT: 3D PAD; Type: A6102; 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; σ = 1.49 S/m; ε_r = 53.389; ρ = 1000 kg/m^3

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

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

Maximum value of SAR (measured) = 1.67 W/kg

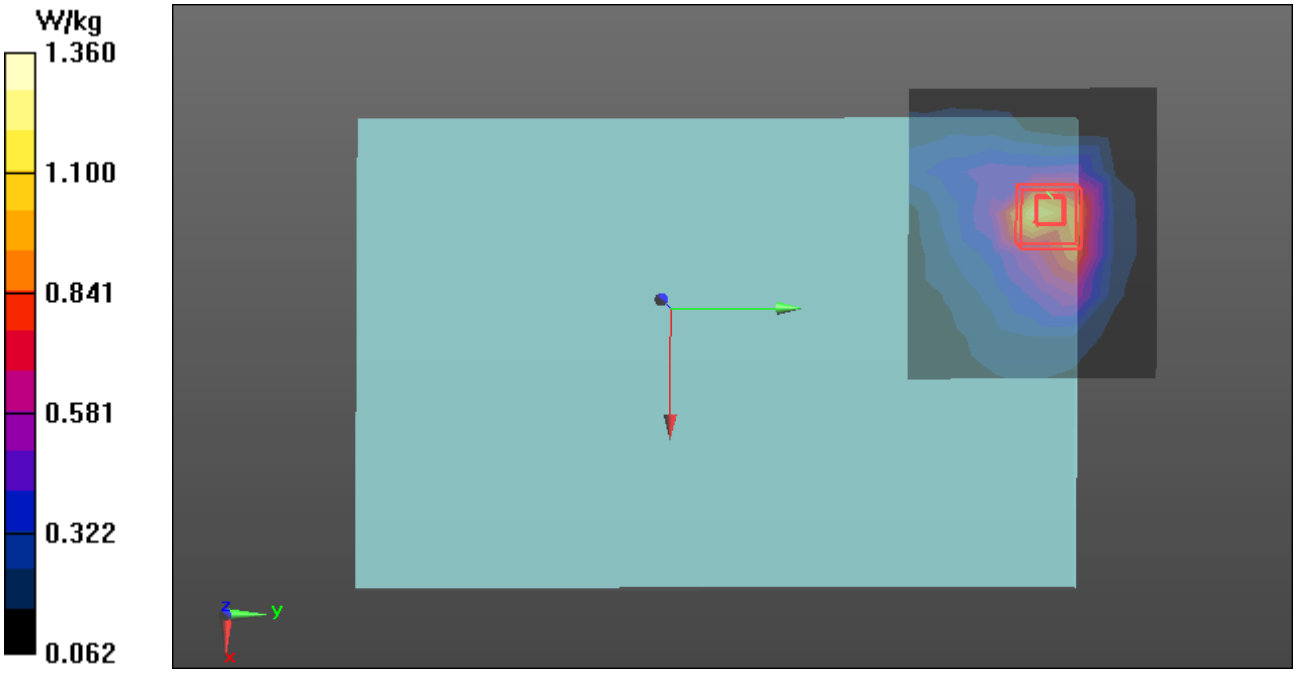
WCDMA/ Rear Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

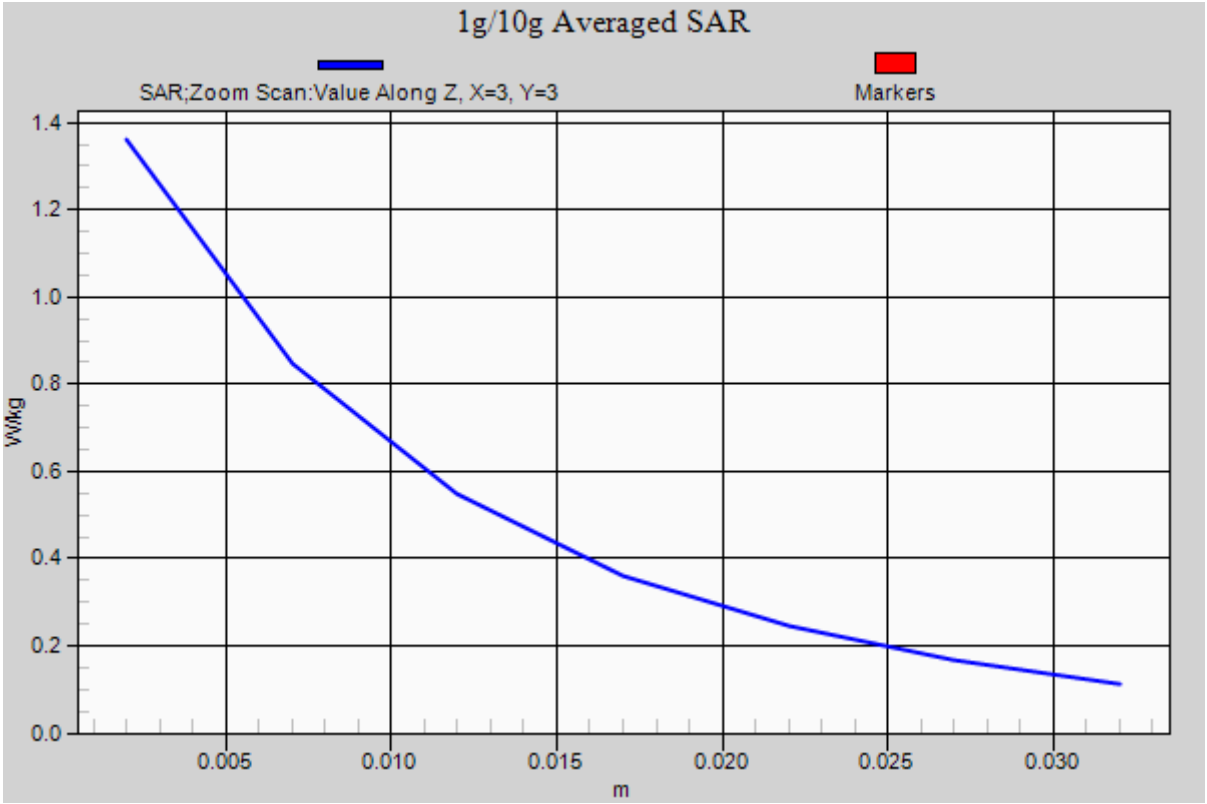
Reference Value = 17.113 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.388 W/kg

Maximum value of SAR (measured) = 1.36 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=3, Y=3
Markers
W/kg
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

Test Laboratory: Compliance Certification Services Inc. Date: 10/11/2013

WCDMA Band II-Edge3 Low CH9262

DUT: 3D PAD; Type: A6102; 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; σ = 1.49 S/m; ε_r = 53.389; ρ = 1000 kg/m^3

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

WCDMA/Edge3 Low CH9262/Area Scan (7x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.41 W/kg

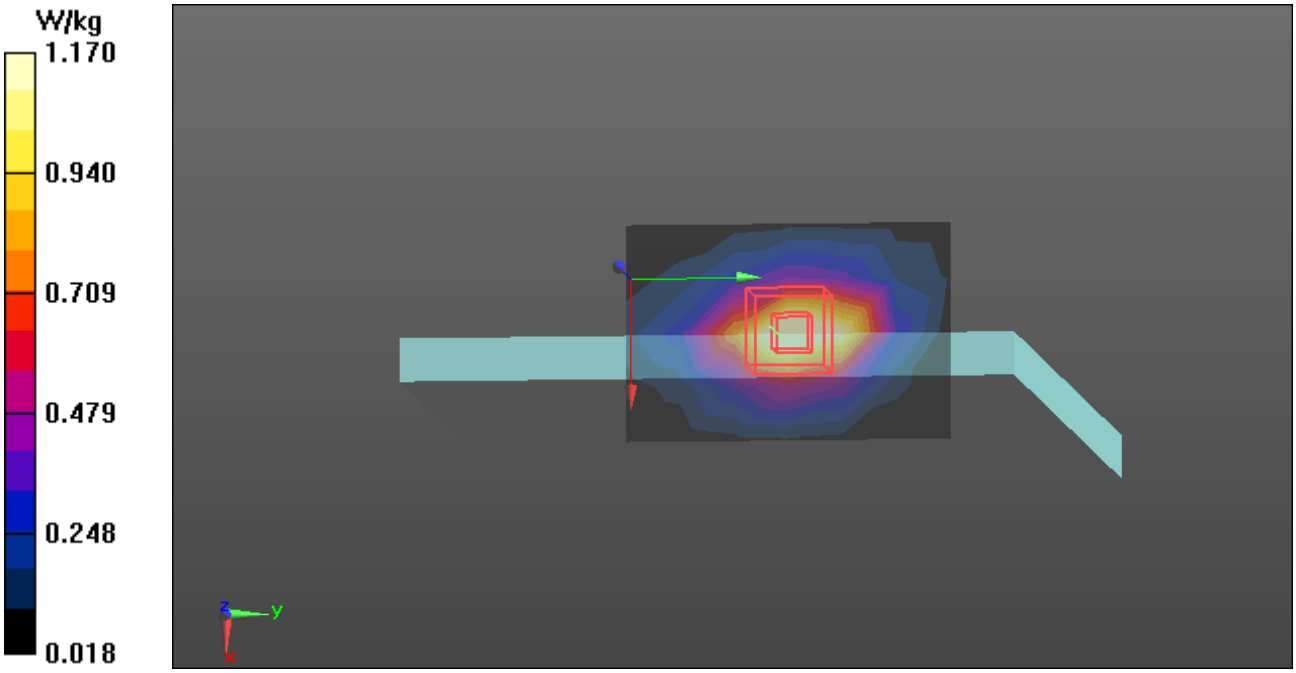
WCDMA/Edge3 Low CH9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.541 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 1.17 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 10/11/2013

WCDMA Band II-Edge4 Low CH9262

DUT: 3D PAD; Type: A6102; 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; σ = 1.49 S/m; ε_r = 53.389; ρ = 1000 kg/m^3

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

WCDMA/Edge4 Low CH9262/Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.215 W/kg

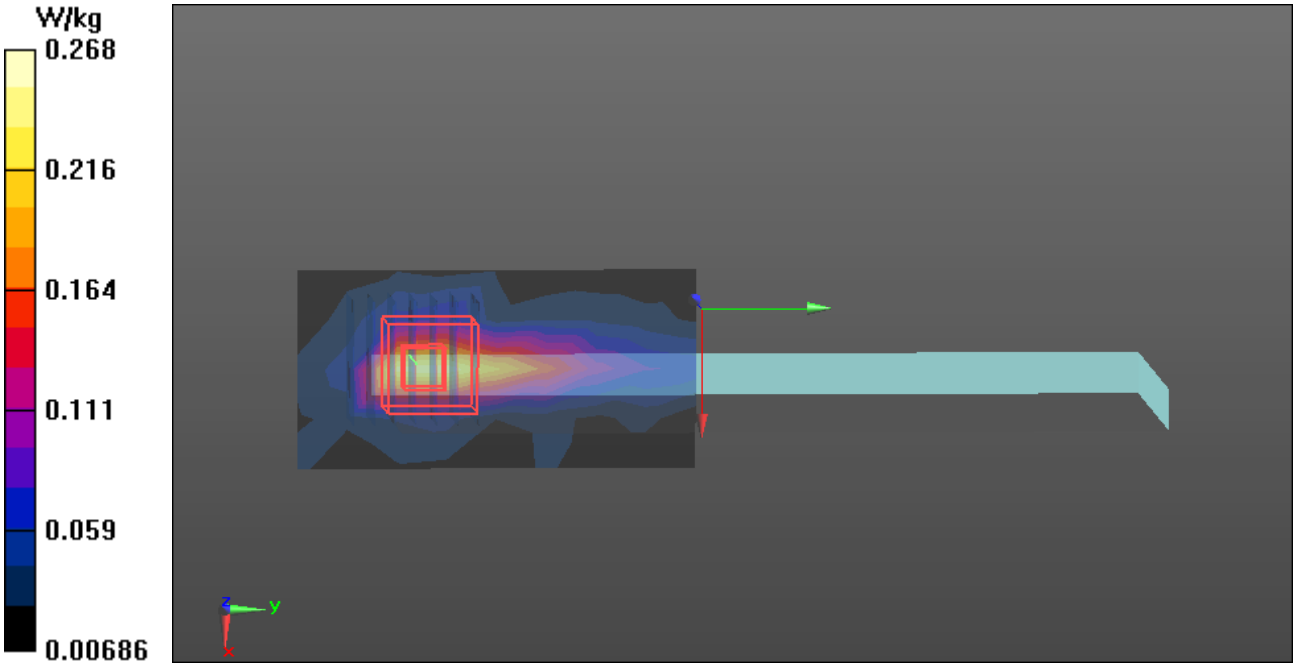
WCDMA/Edge4 Low CH9262/Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.956 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.108 W/kg

Maximum value of SAR (measured) = 0.268 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 10/10/2013

WCDMA Band V-Body Low CH4132

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: FDD WCDMA; Communication System Band: Band 5; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.956 S/m; ε_r = 55.14; ρ = 1000 kg/m^3

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

WCDMA/Body Rear Low CH4132/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.23 W/kg

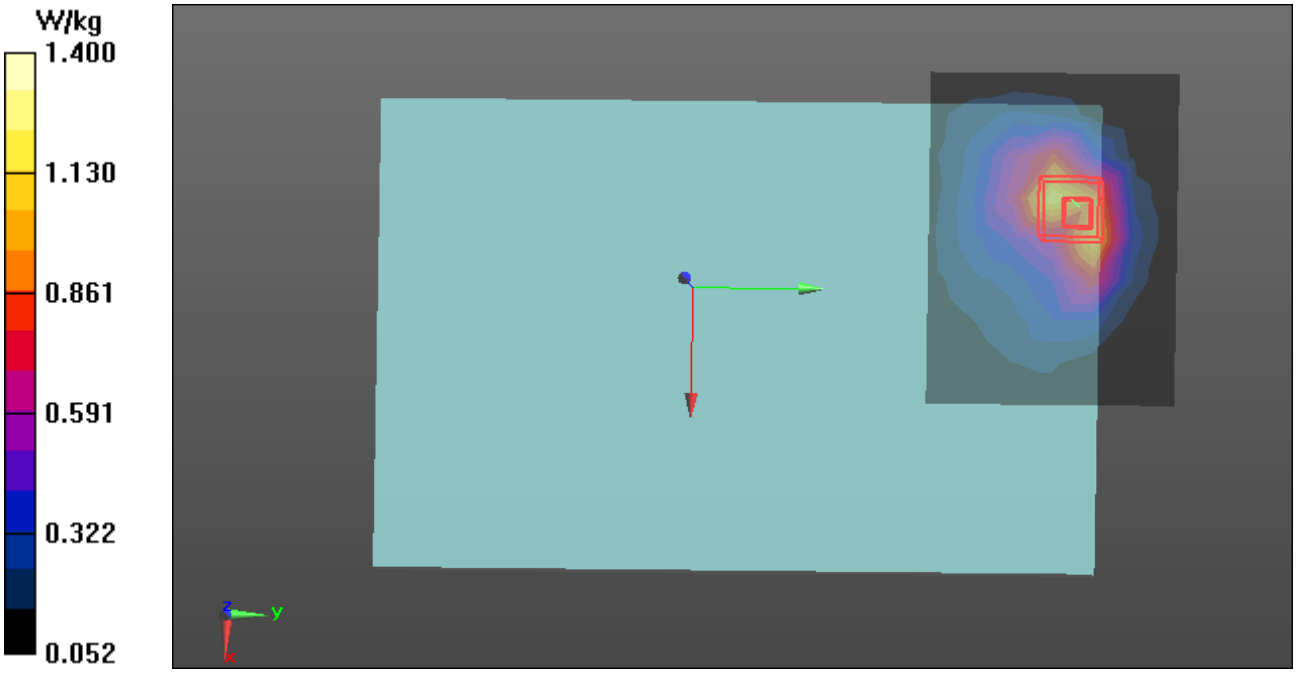
WCDMA/Body Rear Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

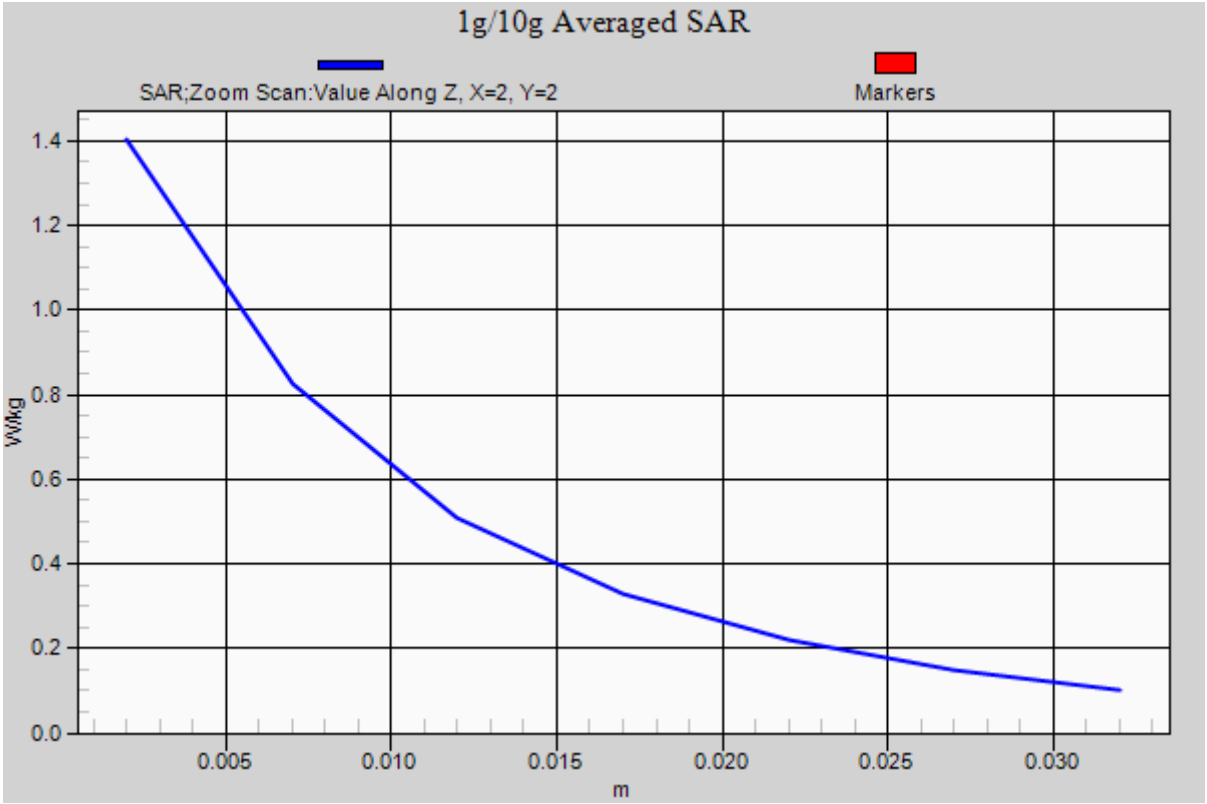
Reference Value = 2.952 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.300 W/kg

Maximum value of SAR (measured) = 1.40 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
W/kg
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

Test Laboratory: Compliance Certification Services Inc. Date: 10/10/2013

WCDMA Band V-Edge3 Low CH4132

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: FDD WCDMA; Communication System Band: Band 5; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.956 S/m; ε_r = 55.14; ρ = 1000 kg/m^3

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

WCDMA/Body Edge3 Low CH4132/Area Scan (10x6x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.992 W/kg

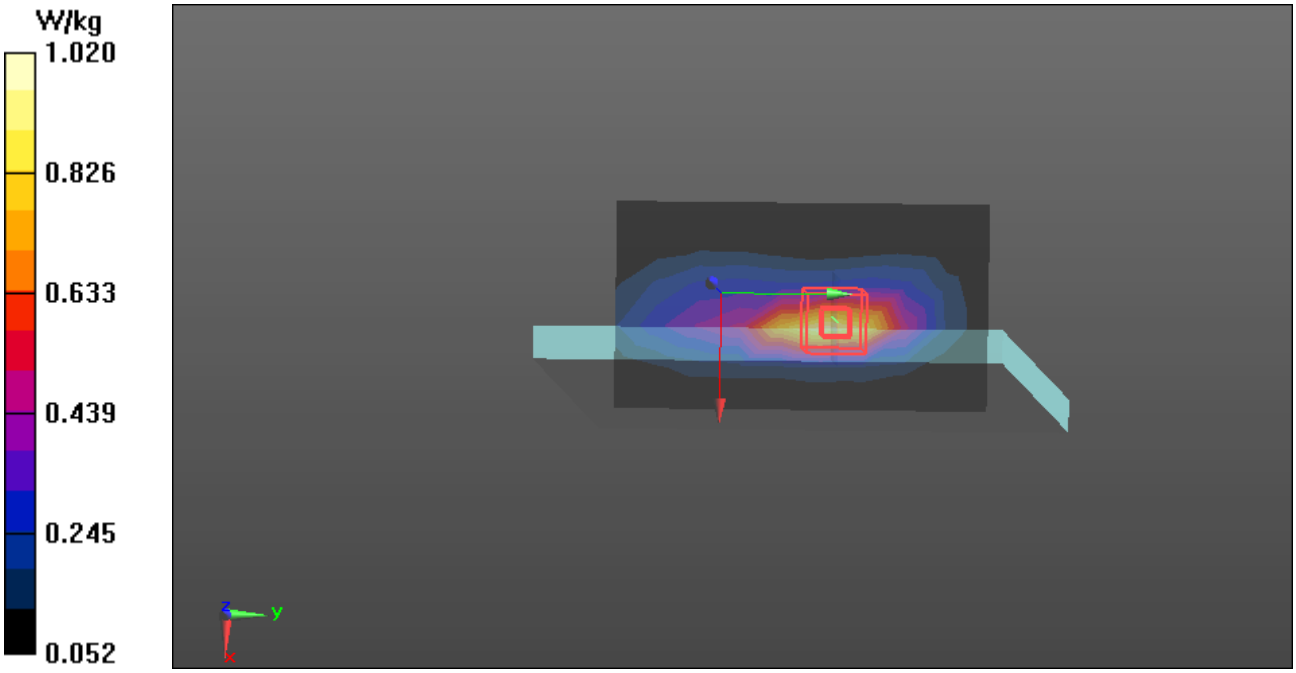
WCDMA/Body Edge3 Low CH4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.499 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.304 W/kg

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



Test Laboratory: Compliance Certification Services Inc. Date: 10/10/2013

WCDMA Band V-Edge4 Low CH4132

DUT: 3D PAD; Type: A6102; Serial: N/A

Communication System: FDD WCDMA; Communication System Band: Band 5; Frequency: 826.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.956 S/m; ε_r = 55.14; ρ = 1000 kg/m^3

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

WCDMA/Body Edge4 Low CH4132/Area Scan (11x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.149 W/kg

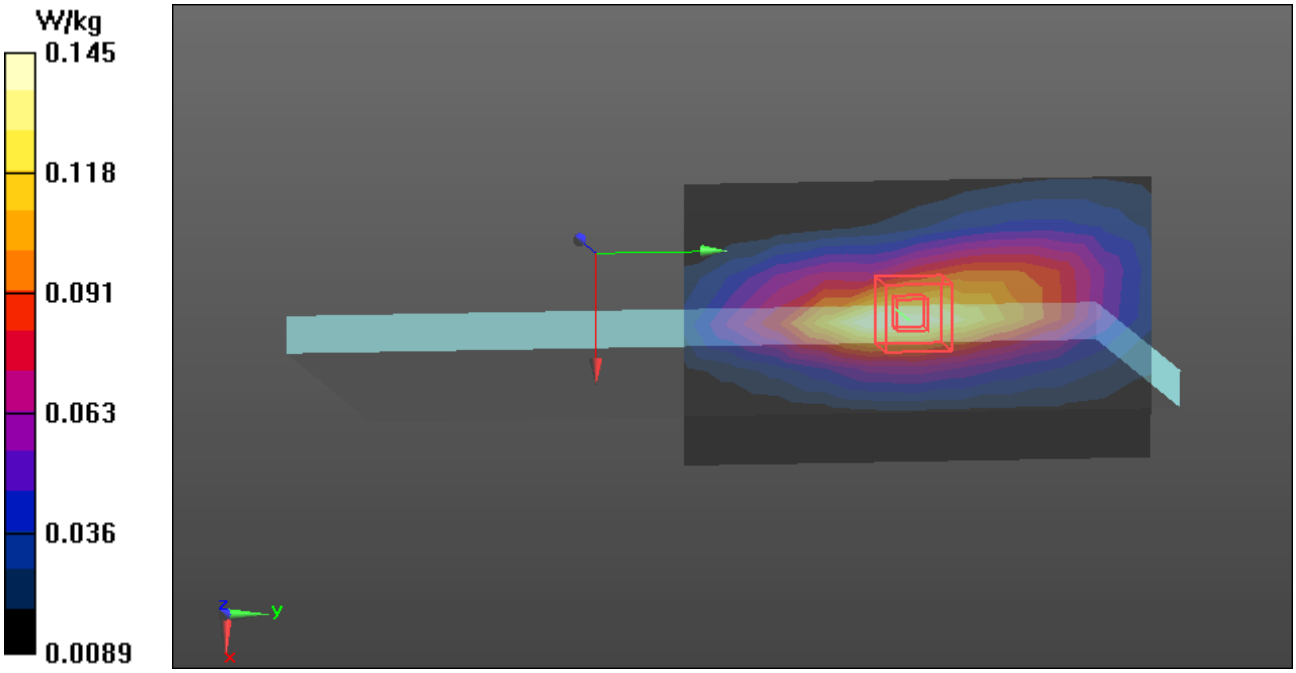
WCDMA/Body Edge4 Low CH4132/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.098 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.180 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.077 W/kg

Maximum value of SAR (measured) = 0.145 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 11/13/2013

IEEE802.11b -Body Rear Middle CH6

DUT: 3D PAD; Type: A6102; 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; σ = 1.946 S/m; ε_r = 51.971; ρ = 1000 kg/m^3

Room Ambient Temperature: 23.4°C; Liquid Temperature: 21.8°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: 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 (6x8x1):

Measurement grid: dx=12mm, dy=12mm,Maximum value of SAR (measured) = 0.232 W/kg

WIFI/IEEE802.11b Body Rear Middle CH6/Zoom Scan (7x7x7)/Cube 0:

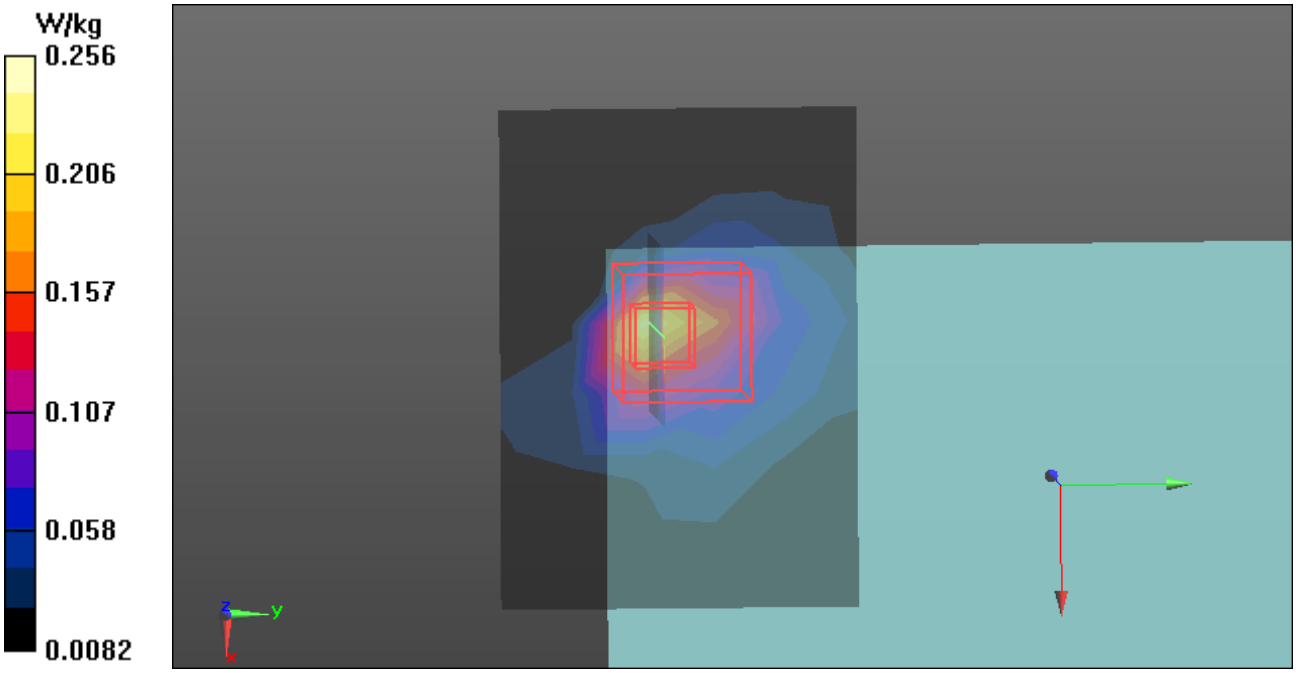
Measurement grid: dx=5mm, dy=5mm, dz=5mm

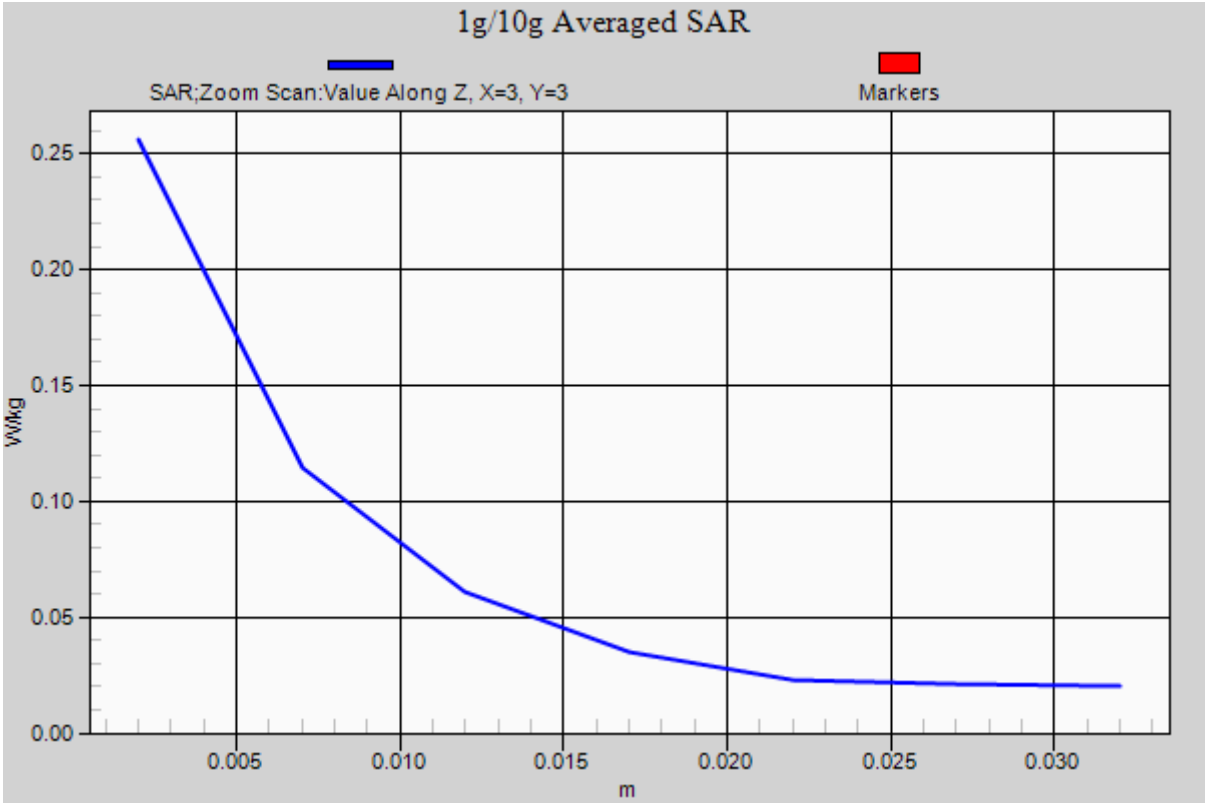
Reference Value = 1.029 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.450 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.070 W/kg

Maximum value of SAR (measured) = 0.256 W/kg




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=3, Y=3
Markers
0.25
0.20
0.15
0.10
0.05
0.00
W/kg
0.005
0.010
0.015
0.020
0.025
0.030
m

Test Laboratory: Compliance Certification Services Inc. Date: 11/13/2013

IEEE802.11b -Body-Edge1 Middle CH6

DUT: 3D PAD; Type: A6102; 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; σ = 1.946 S/m; ε_r = 51.971; ρ = 1000 kg/m^3

Room Ambient Temperature: 23.4°C; Liquid Temperature: 21.8°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: 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 Edge1 Middle CH6/Area Scan (9x5x1):

Measurement grid: dx=12mm, dy=12mm,Maximum value of SAR (measured) = 0.0602 W/kg

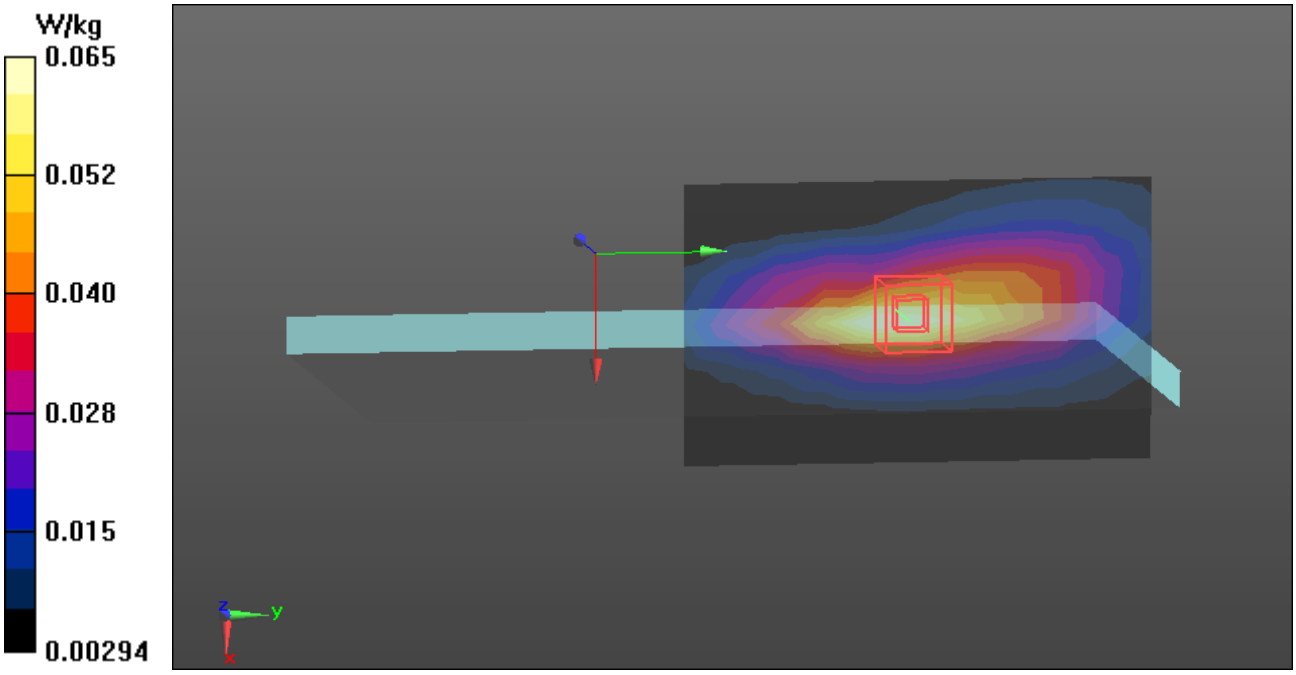
WIFI/IEEE802.11b Body Edge1 Middle CH6/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 2.963 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0990 W/kg

SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.022 W/kg

Maximum value of SAR (measured) = 0.0648 W/kg

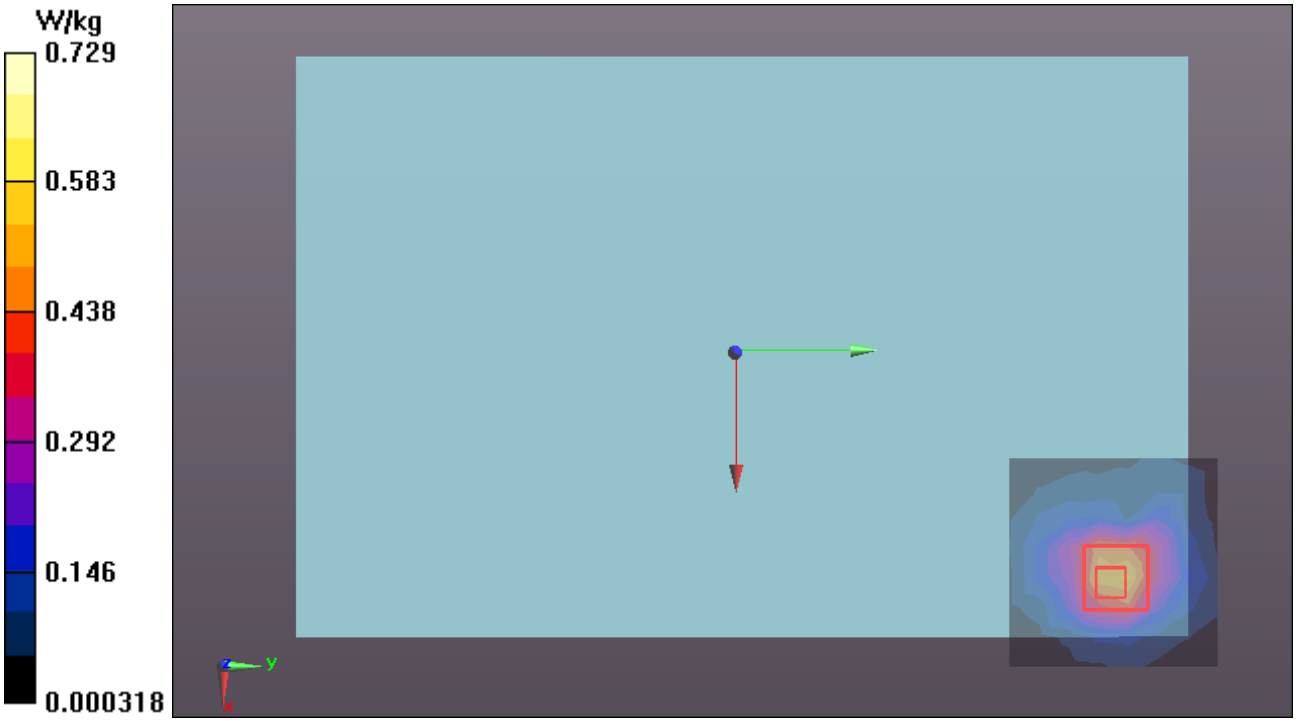


Test Laboratory: Compliance Certification Services Inc. Date: 12/26/2013
IEEE 802.11a-Rear CH153
DUT: 3D PAD; Type: A6102; Serial: N/A
Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5765 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5765 MHz; σ = 6.136 S/m; ε_r = 46.84; ρ = 1000 kg/m^3
Room Ambient Temperature: 22.7°C; Liquid Temperature: 21.4°C
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); 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: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11a Body Rear CH153/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.544 W/kg

WIFI/IEEE802.11a Body Rear CH153/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift =0.00 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.123 W/kg
Maximum value of SAR (measured) = 0.729 W/kg

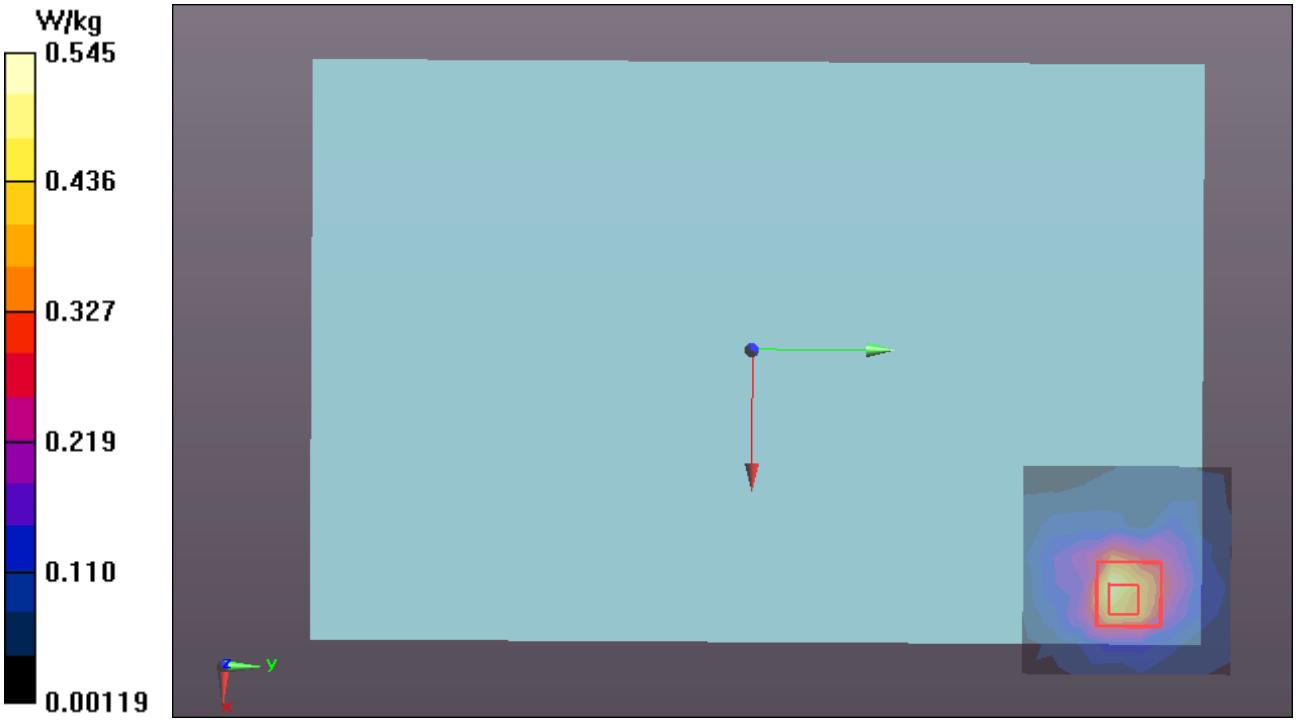


Test Laboratory: Compliance Certification Services Inc. Date: 12/26/2013
IEEE 802.11a-Rear CH161
DUT: 3D PAD; Type: A6102; Serial: N/A
Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5805 MHz; σ = 6.197 S/m; ε_r = 46.74; ρ = 1000 kg/m^3
Room Ambient Temperature: 22.7°C; Liquid Temperature: 21.4°C
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); 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: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11a Body Rear CH161/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.519 W/kg

WIFI/IEEE802.11a Body Rear CH161/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.097 W/kg
Maximum value of SAR (measured) = 0.545 W/kg

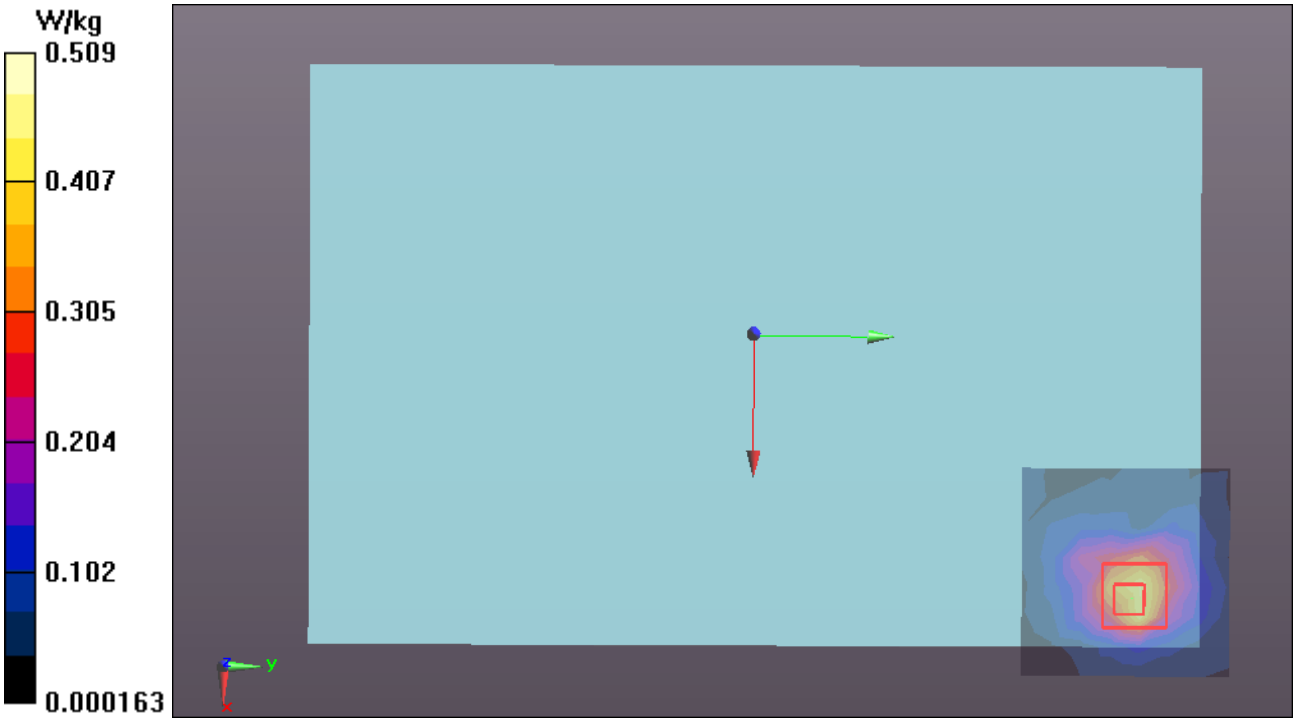


Test Laboratory: Compliance Certification Services Inc. Date: 12/26/2013
IEEE 802.11a-Rear H165
DUT: 3D PAD; Type: A6102; Serial: N/A
Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.227 S/m; ε_r = 46.69; ρ = 1000 kg/m^3
Room Ambient Temperature: 22.7°C; Liquid Temperature: 21.4°C
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); 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: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11a Body Rear CH165/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.447 W/kg

WIFI/IEEE802.11a Body Rear CH165/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.940 W/kg
SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.092 W/kg
Maximum value of SAR (measured) = 0.509 W/kg

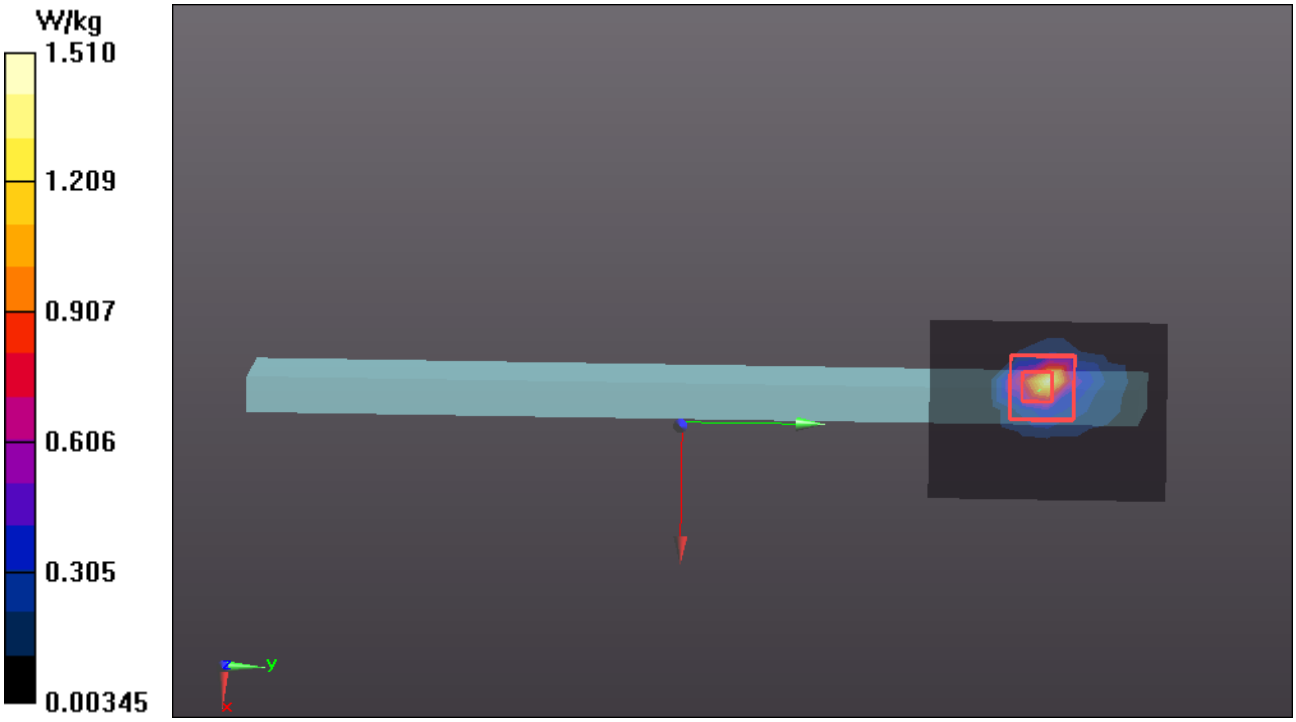


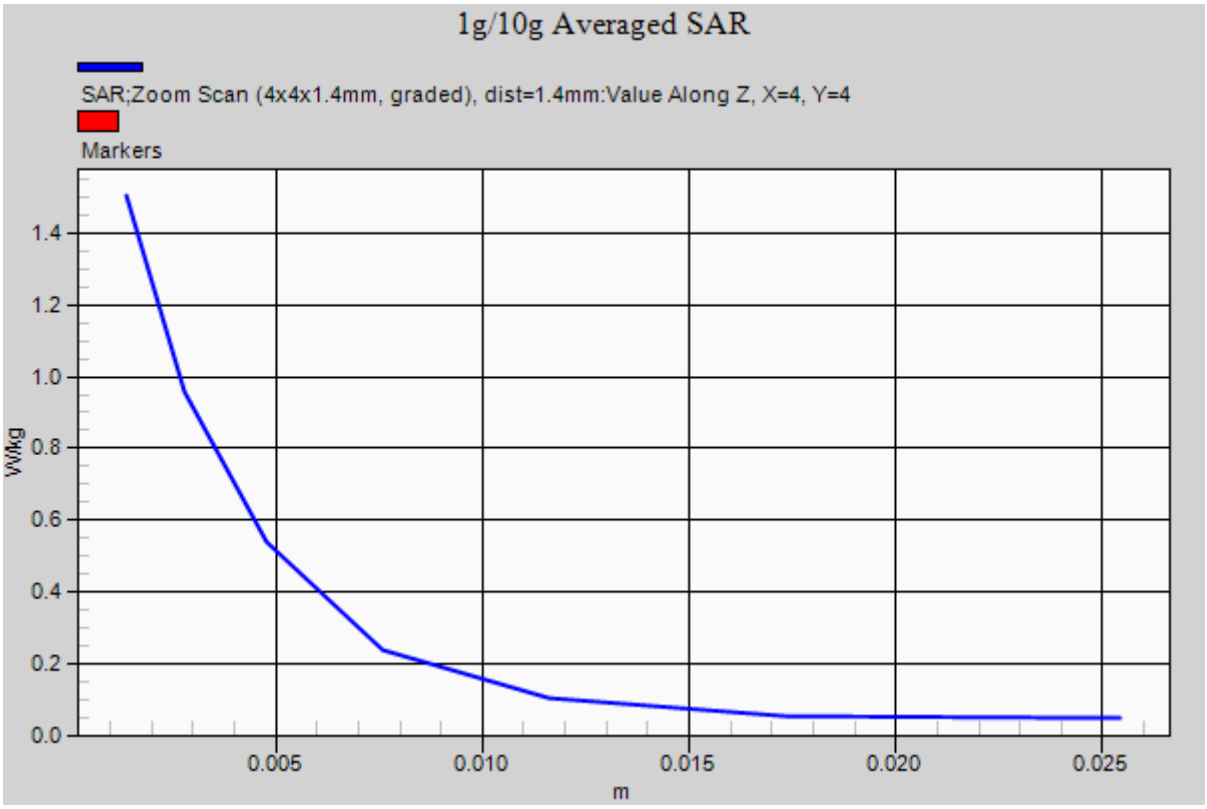
Test Laboratory: Compliance Certification Services Inc. Date: 12/26/2013
IEEE 802.11a-Edge1 CH153
DUT: 3D PAD; Type: A6102; Serial: N/A
Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5765 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5765 MHz; σ = 6.104 S/m; ε_r = 46.84; ρ = 1000 kg/m^3
Room Ambient Temperature: 22.3°C; Liquid Temperature: 21.1°C
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); 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: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11a Body Edge1 CH153/Area Scan (9x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.58 W/kg

WIFI/IEEE802.11a Body Edge1 CH153/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.56 W/kg
SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.227 W/kg
Maximum value of SAR (measured) = 1.51 W/kg



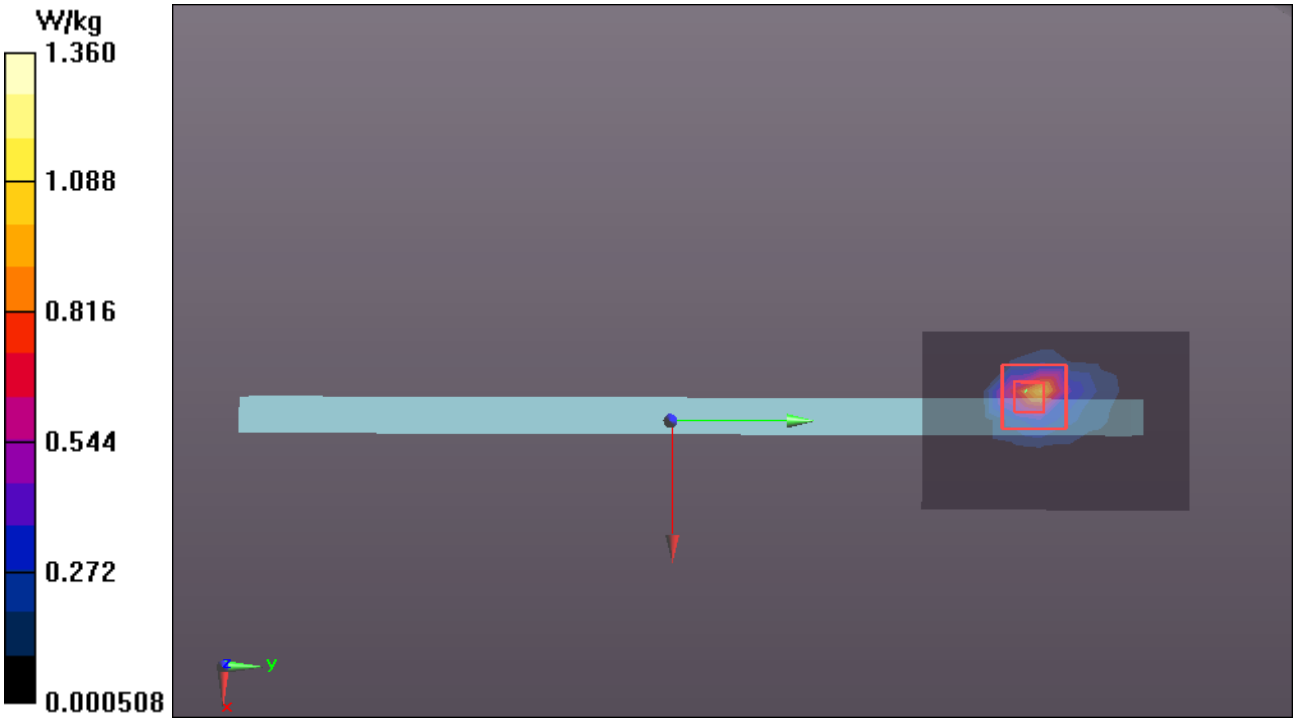

1g/10g Averaged SAR
SAR;Zoom Scan (4x4x1.4mm, graded), dist=1.4mm:Value Along Z, X=4, Y=4
Markers
W/kg
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.005
0.010
0.015
0.020
0.025
m

Test Laboratory: Compliance Certification Services Inc. Date: 12/26/2013
IEEE 802.11a-Edge1 CH161
DUT: 3D PAD; Type: A6102; Serial: N/A
Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5805 MHz; σ = 6.194 S/m; ε_r = 46.74; ρ = 1000 kg/m^3
Room Ambient Temperature: 22.3°C; Liquid Temperature: 21.1°C
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); 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: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11a Body Edge1 CH161/Area Scan (9x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.28 W/kg

WIFI/IEEE802.11a Body Edge1 CH161/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 2.187 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.201 W/kg
Maximum value of SAR (measured) = 1.36 W/kg

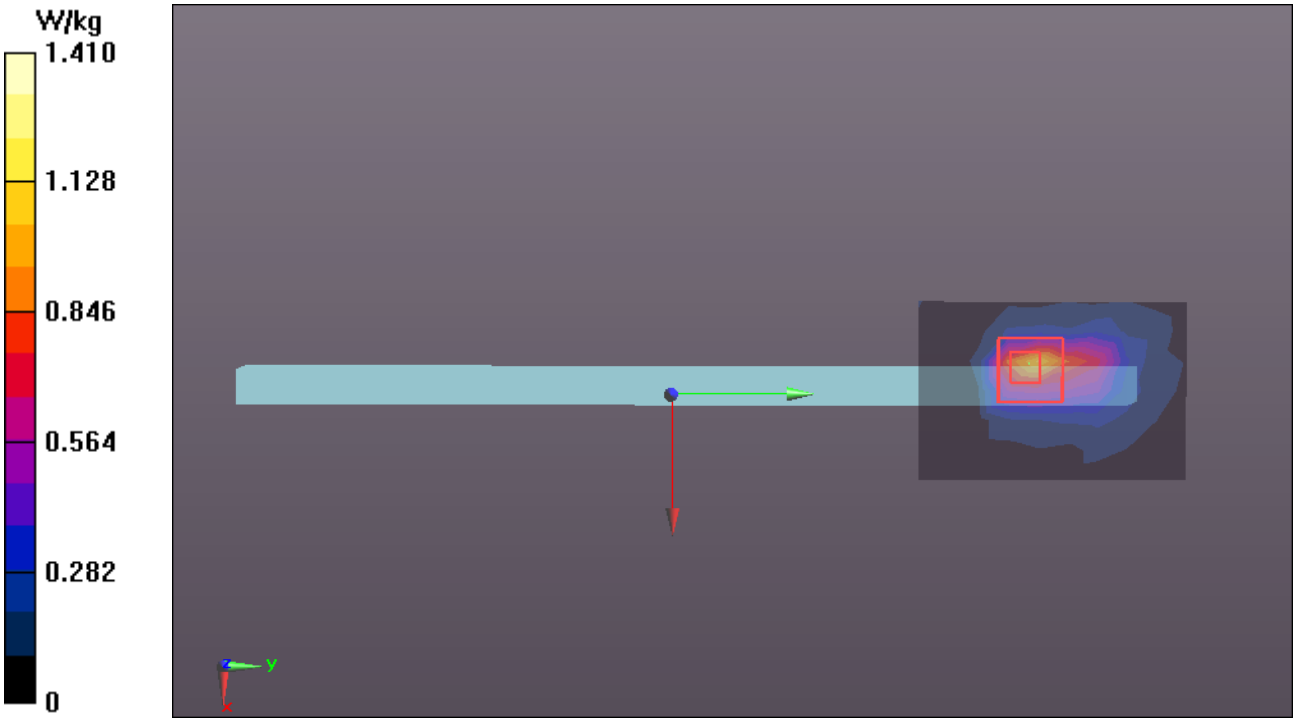


Test Laboratory: Compliance Certification Services Inc. Date: 12/26/2013
IEEE 802.11a-Edge1 CH165
DUT: 3D PAD; Type: A6102; Serial: N/A
Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.224 S/m; ε_r = 46.69; ρ = 1000 kg/m^3
Room Ambient Temperature: 22.3°C; Liquid Temperature: 21.1°C
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); 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: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11a Body Edge1 CH165/Area Scan (9x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.34 W/kg

WIFI/IEEE802.11a Body Edge1 CH165/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.261 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 2.43 W/kg
SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.199 W/kg
Maximum value of SAR (measured) = 1.41 W/kg

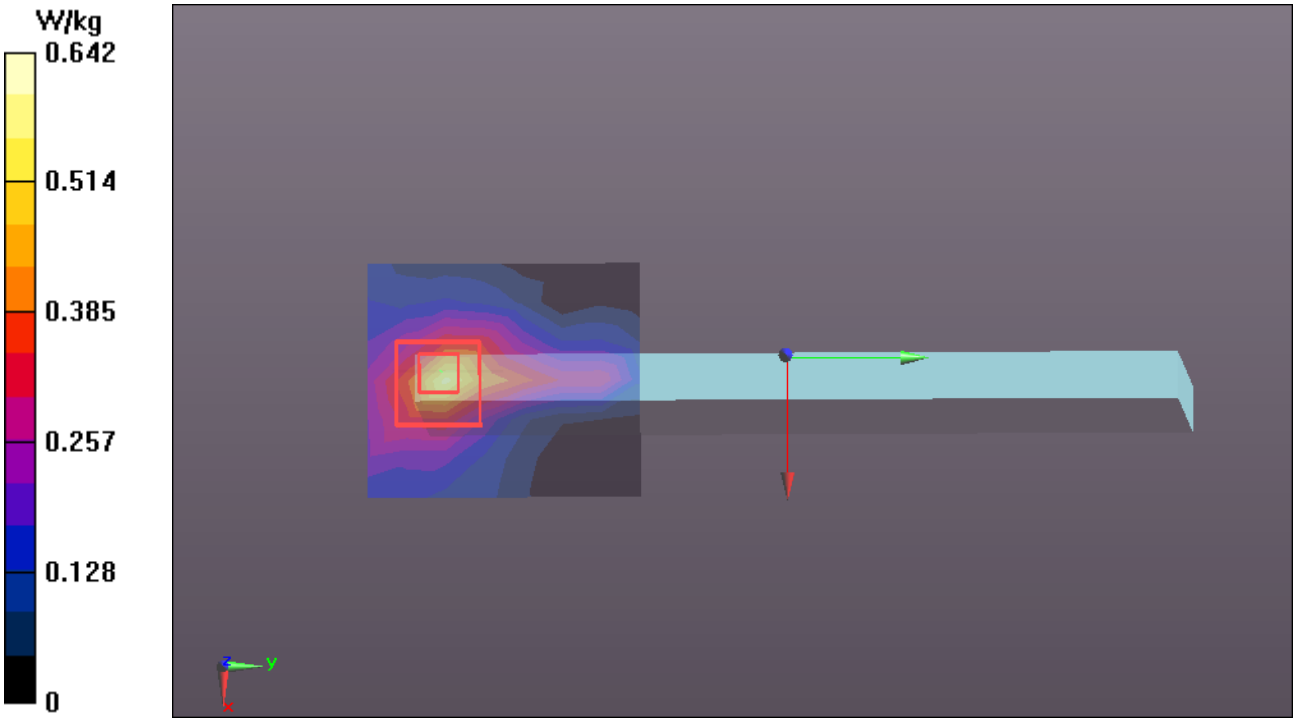


Test Laboratory: Compliance Certification Services Inc. Date: 12/26/2013
IEEE 802.11a-Edge4 CH153
DUT: 3D PAD; Type: A6102; Serial: N/A
Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5765 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5765 MHz; σ = 6.136 S/m; ε_r = 46.84; ρ = 1000 kg/m^3
Room Ambient Temperature: 22.7°C; Liquid Temperature: 21.4°C
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); 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: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11a Body Edge4 CH153/Area Scan (10x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.515 W/kg

WIFI/IEEE802.11a Body Edge4 CH153/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.102 W/kg
Maximum value of SAR (measured) = 0.642 W/kg

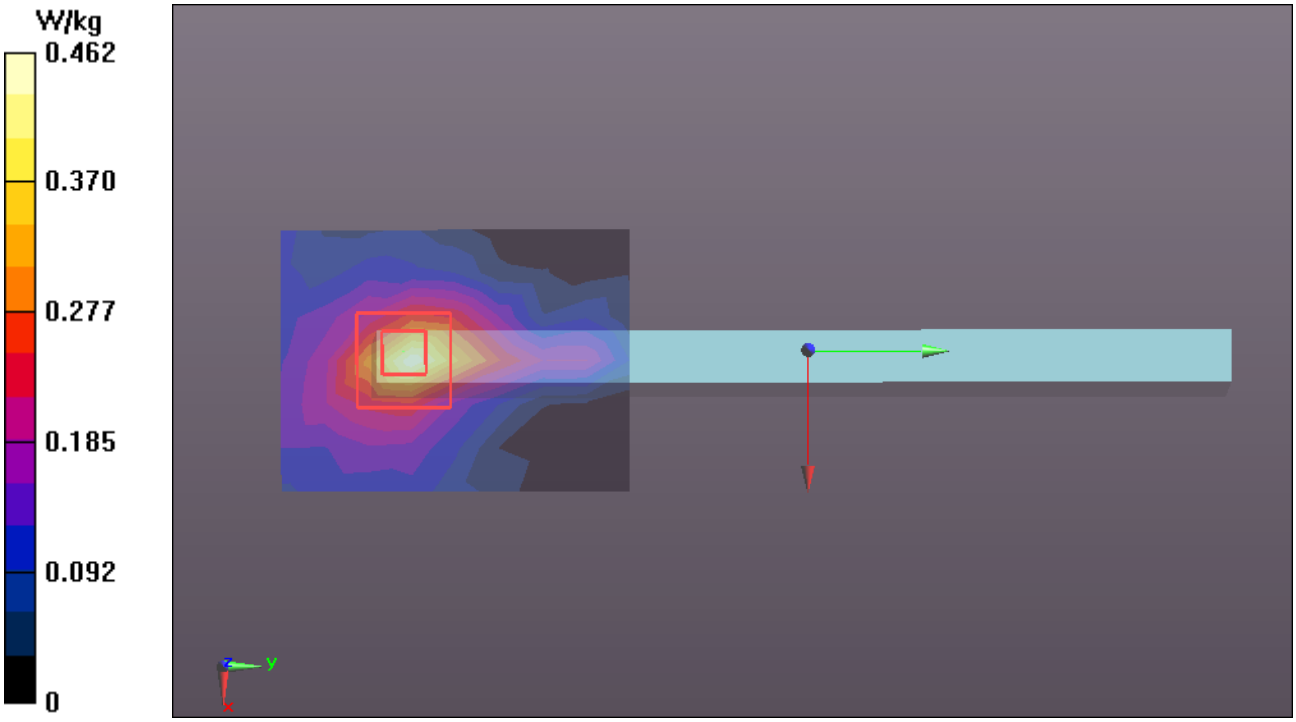


Test Laboratory: Compliance Certification Services Inc. Date: 12/26/2013
IEEE 802.11a-Edge4 CH161
DUT: 3D PAD; Type: A6102; Serial: N/A
Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5805 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5805 MHz; σ = 6.197 S/m; ε_r = 46.74; ρ = 1000 kg/m^3
Room Ambient Temperature: 22.7°C; Liquid Temperature: 21.4°C
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); 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: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11a Body Edge4 CH161/Area Scan (10x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.378 W/kg

WIFI/IEEE802.11a Body Edge4 CH161/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.733 W/kg
SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.058 W/kg
Maximum value of SAR (measured) = 0.462 W/kg



Test Laboratory: Compliance Certification Services Inc. Date: 12/26/2013
IEEE 802.11a-Edge4 CH165
DUT: 3D PAD; Type: A6102; Serial: N/A
Communication System: IEEE 802.11 a; Communication System Band: 5G Band IV; Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.227 S/m; ε_r = 46.69; ρ = 1000 kg/m^3
Room Ambient Temperature: 22.7°C; Liquid Temperature: 21.4°C
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3798; ConvF(4.24, 4.24, 4.24); 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: 1102
- DASY52 52.8.5(1059);
- SEMCAD X Version 14.6.8 (7028)

WIFI/IEEE802.11a Body Edge4 CH165/Area Scan (10x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.15 W/kg

WIFI/IEEE802.11a Body Edge4 CH165/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.30 W/kg
SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.203 W/kg
Maximum value of SAR (measured) = 1.29 W/kg