

Test Laboratory: BTL Inc.

Date: 02/17/2016

System Check_B835_0217

DUT: Dipole 835 MHz D835V2;SN:4d160;

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.964$ S/m; $\epsilon_r = 55.81$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.68, 9.68, 9.68); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (5x13x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.45 W/kg

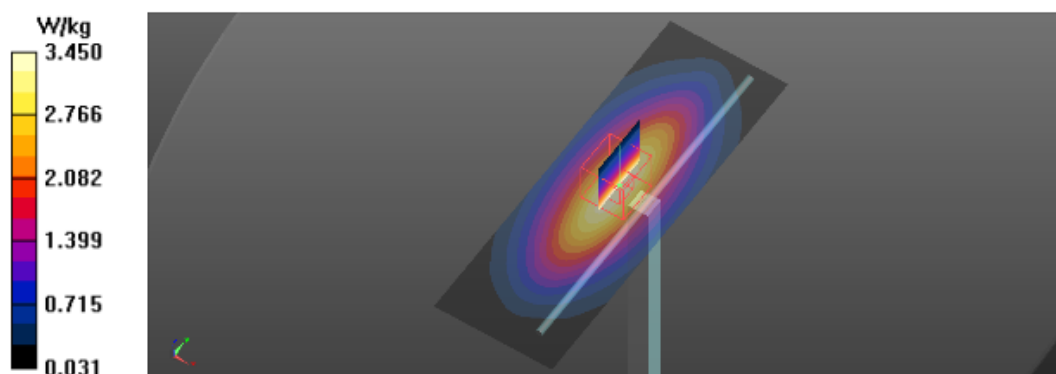
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.06 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.95 W/kg

SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.63 W/kg

Maximum value of SAR (measured) = 3.38 W/kg



Test Laboratory: BTL Inc.

Date: 03/02/2016

System Check_B835_0302

DUT: Dipole 835 MHz D835V2;SN:4d160;

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835$ MHz; $\sigma = 0.947$ S/m; $\epsilon_r = 54.29$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.68, 9.68, 9.68); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (5x13x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.46 W/kg

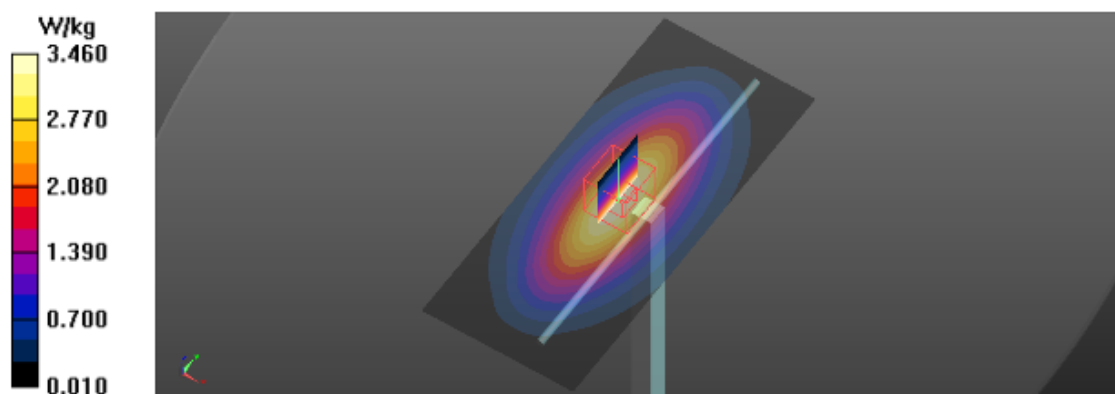
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 62.30 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.25 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.66 W/kg

Maximum value of SAR (measured) = 3.59 W/kg



Test Laboratory: BTL Inc.

Date: 02/16/2016

System Check_B1750_0216

DUT: Dipole 1750 MHz D1750V2;SN:1101;

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.451$ S/m; $\epsilon_r = 53.58$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.92, 7.92, 7.92); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x8x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 14.7 W/kg

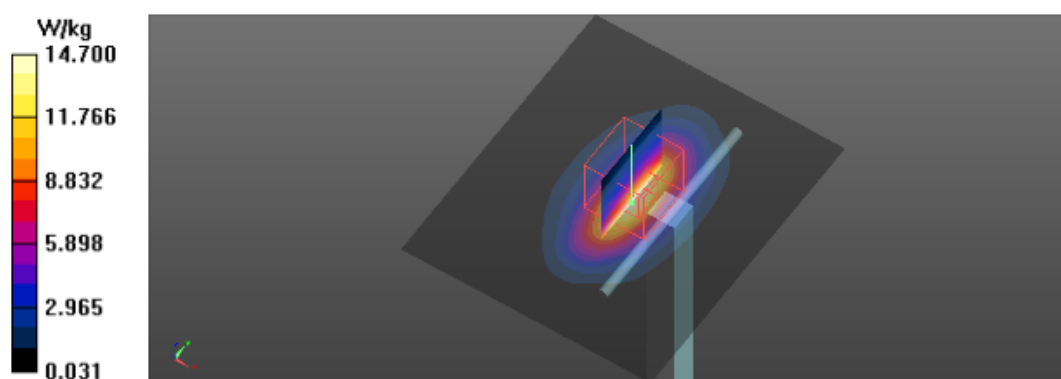
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.11 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 9.27 W/kg; SAR(10 g) = 5.31 W/kg

Maximum value of SAR (measured) = 13.1 W/kg



Test Laboratory: BTL Inc.

Date: 03/02/2016

System Check_B1750_0302

DUT: Dipole 1750 MHz D1750V2;SN:1101;

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.473$ S/m; $\epsilon_r = 54.66$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.92, 7.92, 7.92); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x8x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 14.2 W/kg

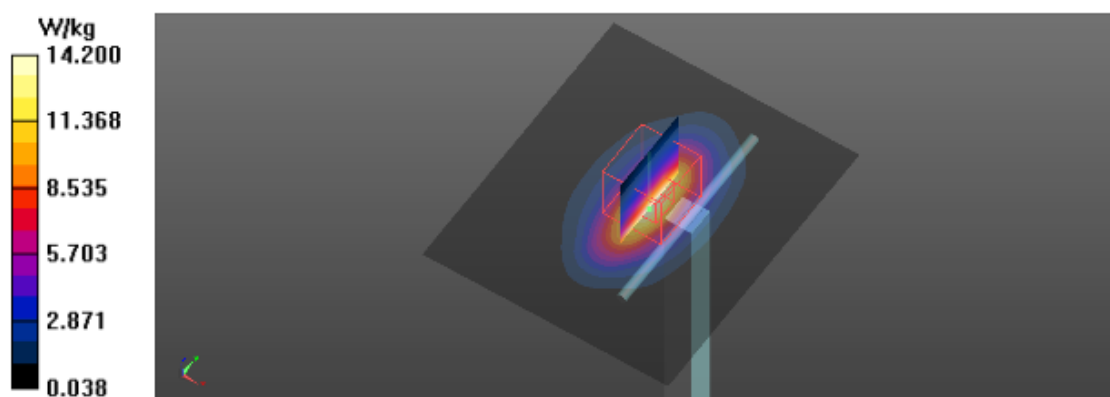
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 95.00 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 9.16 W/kg; SAR(10 g) = 5.19 W/kg

Maximum value of SAR (measured) = 13.0 W/kg



Test Laboratory: BTL Inc.

Date: 02/21/2016

System Check_B1900_0221

DUT: Dipole 1900 MHz D1900V2;SN:5d179;

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.541$ S/m; $\epsilon_r = 52.99$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(8.08, 8.08, 8.08); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x8x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 15.4 W/kg

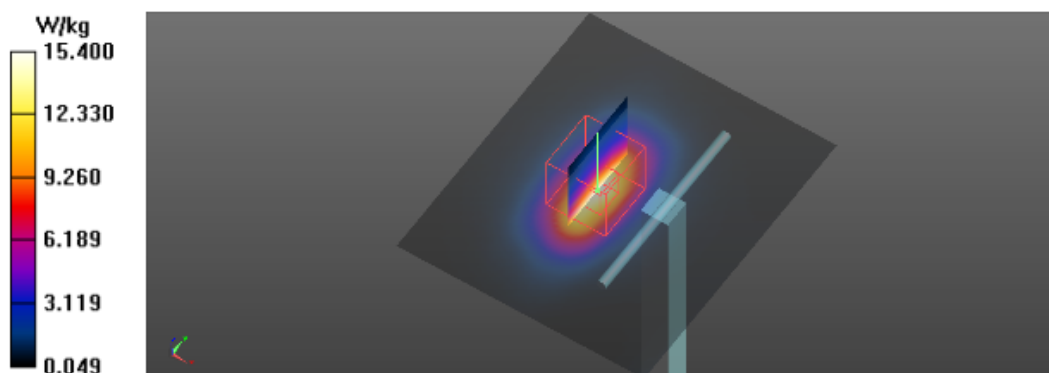
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 84.70 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 16.0 W/kg

SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.7 W/kg

Maximum value of SAR (measured) = 13.8 W/kg



Test Laboratory: BTL Inc.

Date: 03/03/2016

System Check_B1900_0303

DUT: Dipole 1900 MHz D1900V2;SN:5d179;

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.523$ S/m; $\epsilon_r = 52.654$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(8.08, 8.08, 8.08); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x8x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 14.9 W/kg

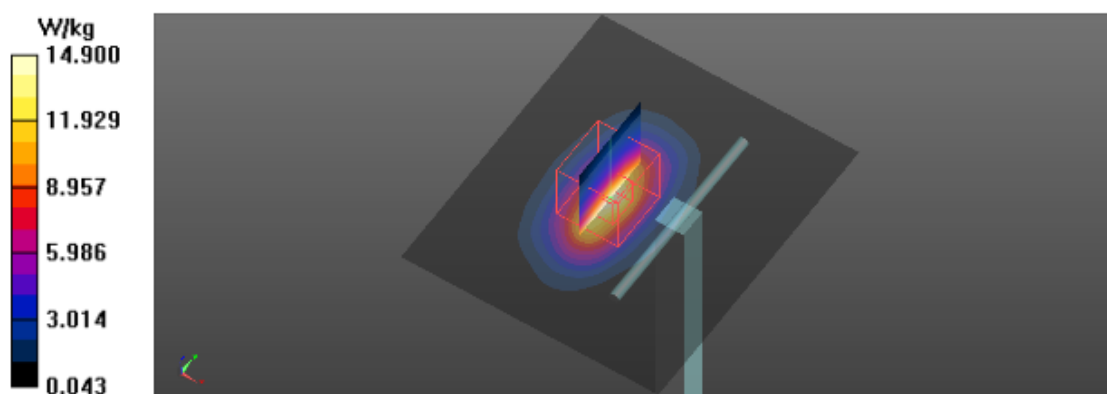
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 83.63 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 10.08 W/kg; SAR(10 g) = 5.5 W/kg

Maximum value of SAR (measured) = 13.3 W/kg



Test Laboratory: BTL Inc.

Date: 02/22/2016

System Check_B2450_0222

DUT: Dipole 2450 MHz D2450V2;SN:919;

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.962$ S/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.31, 7.31, 7.31); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (8x10x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 22.4 W/kg

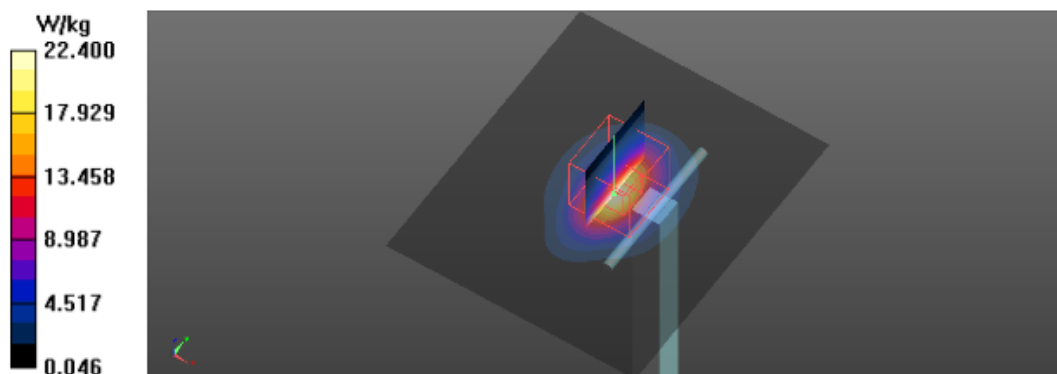
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 103.3 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 25.5 W/kg

SAR(1 g) = 13.19 W/kg; SAR(10 g) = 6.47 W/kg

Maximum value of SAR (measured) = 20.1 W/kg



Test Laboratory: BTL Inc.

Date: 02/22/2016

System Check_B2600_0222

DUT: Dipole 2600 MHz D2450V2;SN:1067;

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.203$ S/m; $\epsilon_r = 52.61$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.24, 7.24, 7.24); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (8x10x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 22.4 W/kg

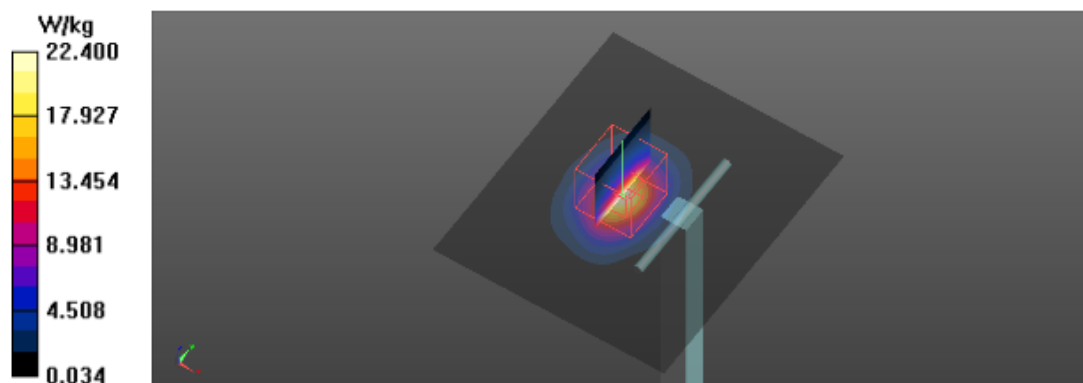
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.36 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 25.8 W/kg

SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.2 W/kg

Maximum value of SAR (measured) = 19.9 W/kg



Test Laboratory: BTL Inc.

Date: 03/03/2016

System Check_B2600_0303

DUT: Dipole 2600 MHz D2450V2;SN:1067;

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.143$ S/m; $\epsilon_r = 53.45$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.6 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.24, 7.24, 7.24); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (8x10x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 24.4 W/kg

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

Reference Value = 87.61 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 27.5 W/kg

SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.71 W/kg

Maximum value of SAR (measured) = 21.2 W/kg

