

Test Laboratory: BTL Inc.

Date: 02/29/2016

System Check_H835_0229

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; $\sigma = 0.892$ S/m; $\epsilon_r = 41.55$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (5x12x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.13 W/kg

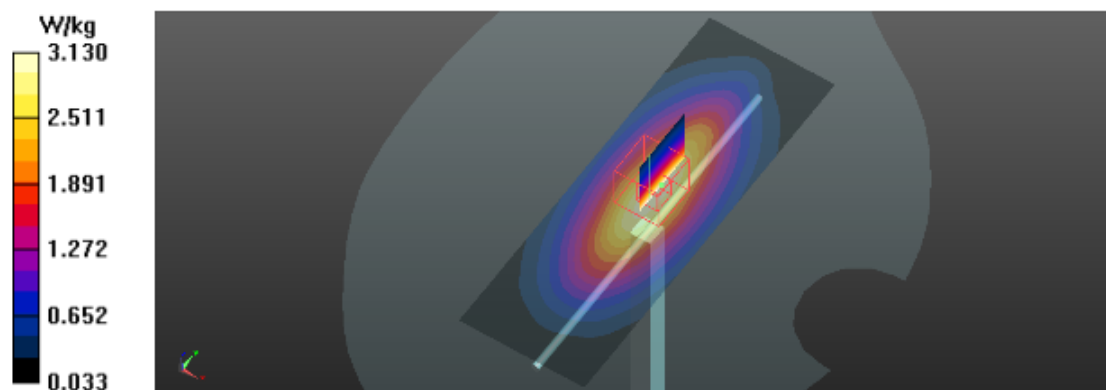
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.86 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.41 W/kg

SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.54 W/kg

Maximum value of SAR (measured) = 3.02 W/kg



Test Laboratory: BTL Inc.

Date: 03/01/2016

System Check_H1750_0301

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; $\sigma = 1.387$ S/m; $\epsilon_r = 41.44$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(8.43, 8.43, 8.43); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (6x6x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 13.9 W/kg

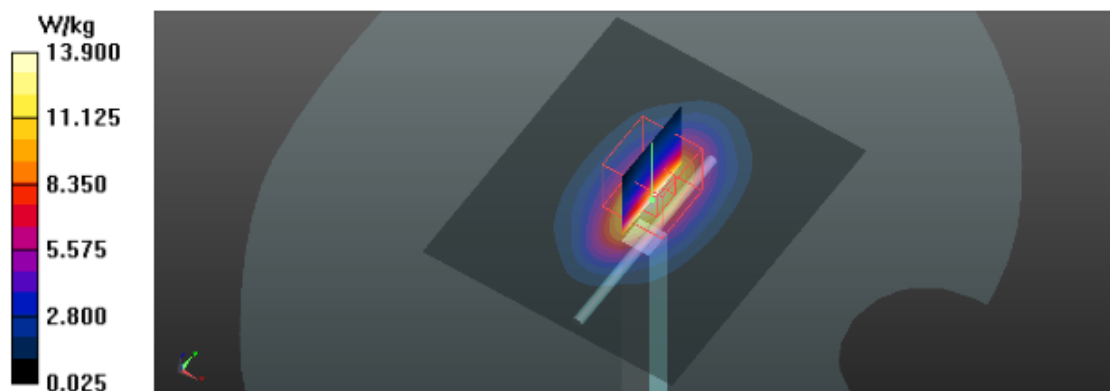
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.84 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 9.24 W/kg; SAR(10 g) = 4.96 W/kg

Maximum value of SAR (measured) = 12.5 W/kg



Test Laboratory: BTL Inc.

Date: 03/03/2016

System Check_H1900_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; $\sigma = 1.405$ S/m; $\epsilon_r = 39.67$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.94, 7.94, 7.94); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (6x6x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 16.5 W/kg

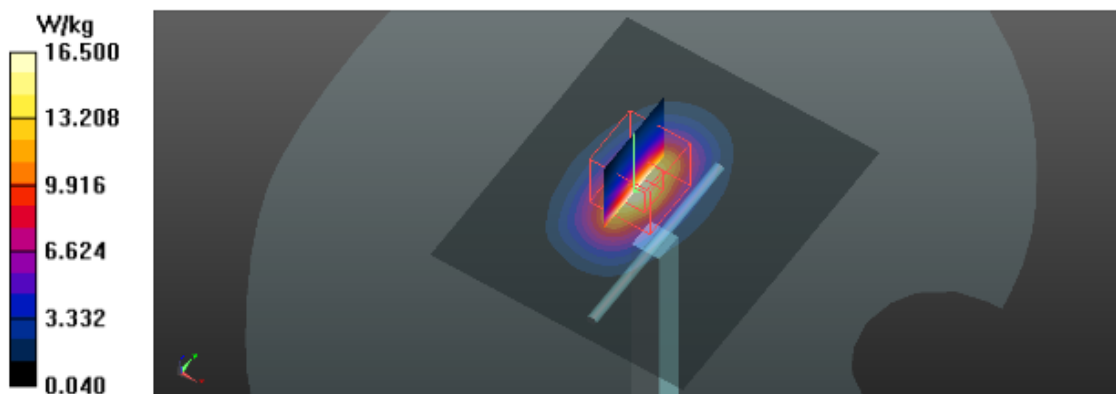
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 86.53 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 9.89 W/kg; SAR(10 g) = 5.46 W/kg

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



Test Laboratory: BTL Inc.

Date: 03/04/2016

System Check_H2450_0304

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; $\sigma = 1.815$ S/m; $\epsilon_r = 39.08$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.17, 7.17, 7.17); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x7x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 22.0 W/kg

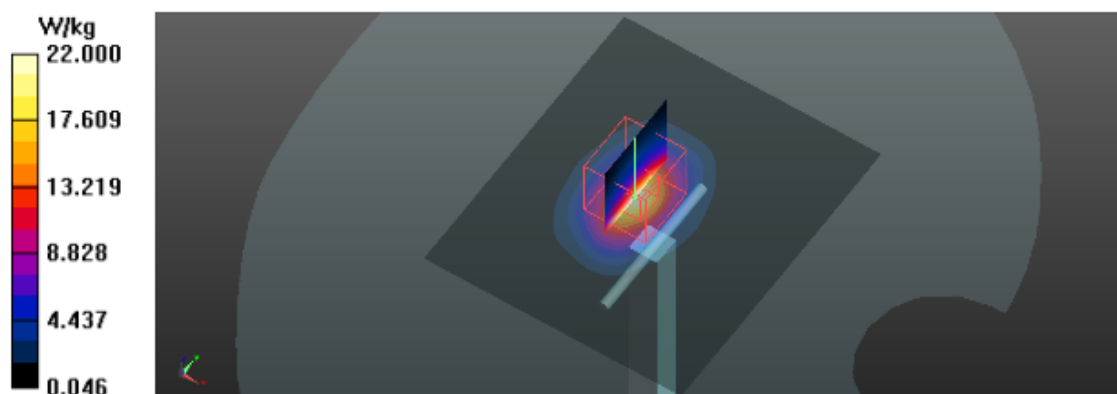
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 91.86 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 23.4 W/kg

SAR(1 g) = 12.82 W/kg; SAR(10 g) = 6.94 W/kg

Maximum value of SAR (measured) = 18.8 W/kg



Test Laboratory: BTL Inc.

Date: 03/04/2016

System Check_H2600_0304

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; $\sigma = 2.031$ S/m; $\epsilon_r = 38.33$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.1, 7.1, 7.1); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x7x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 25.2 W/kg

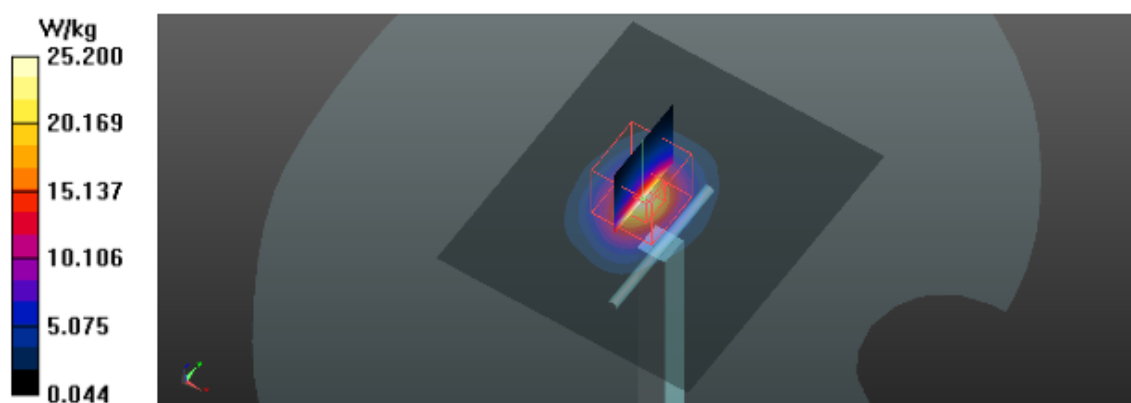
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 93.54 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 28.3 W/kg

SAR(1 g) = 14.13 W/kg; SAR(10 g) = 6.77 W/kg

Maximum value of SAR (measured) = 22.3 W/kg



Test Laboratory: BTL Inc.

Date: 02/29/2016

System Check_B835_0229

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; $\sigma = 0.995$ S/m; $\epsilon_r = 56.08$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.68, 9.68, 9.68); Calibrated: 04/24/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 09/18/2015
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (5x12x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.62 W/kg

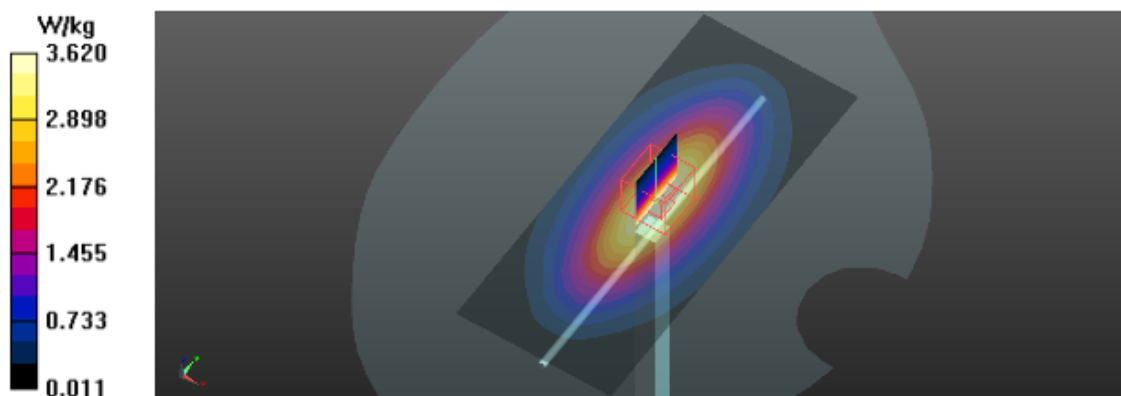
Zoom Scan (5x5x7) /Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.3 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.32 W/kg

SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.72 W/kg

Maximum value of SAR (measured) = 3.7 W/kg



Test Laboratory: BTL Inc.

Date: 03/01/2016

System Check_B1750_0301

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; $\sigma = 1.434$ S/m; $\epsilon_r = 54.22$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.6 °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: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (6x6x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 14.0 W/kg

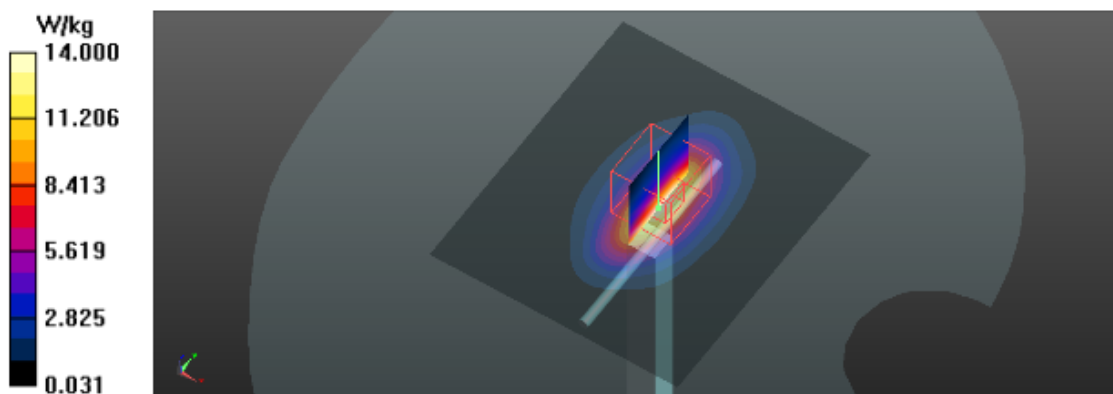
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.14 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 9.13 W/kg; SAR(10 g) = 5.04 W/kg

Maximum value of SAR (measured) = 12.5 W/kg



Test Laboratory: BTL Inc.

Date: 02/28/2016

System Check_B1900_0228

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; $\sigma = 1.545$ S/m; $\epsilon_r = 52.51$; $\rho = 1000$ 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: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (6x6x1): Interpolated grid: dx=15 mm, dy=15 mm

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

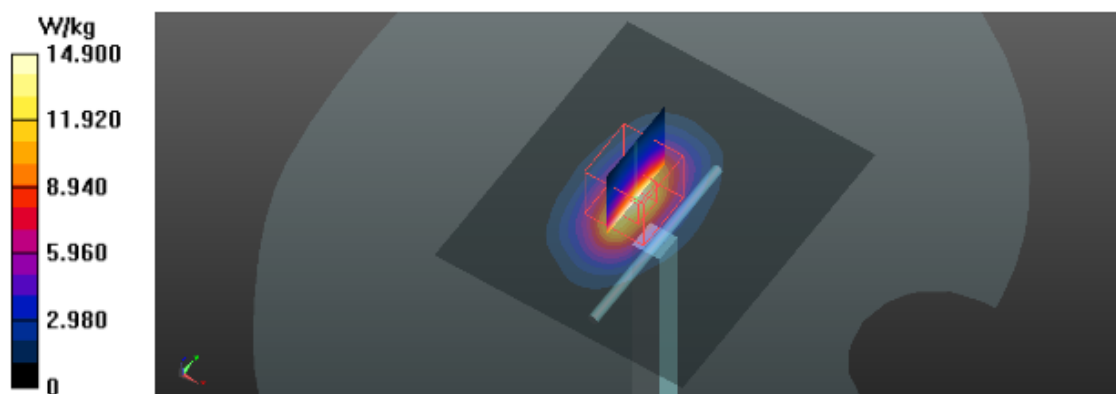
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.28 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 10.02 W/kg; SAR(10 g) = 5.68 W/kg

Maximum value of SAR (measured) = 14.1 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; $\sigma = 1.549$ S/m; $\epsilon_r = 51.83$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.5 °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: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (6x6x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 15.1 W/kg

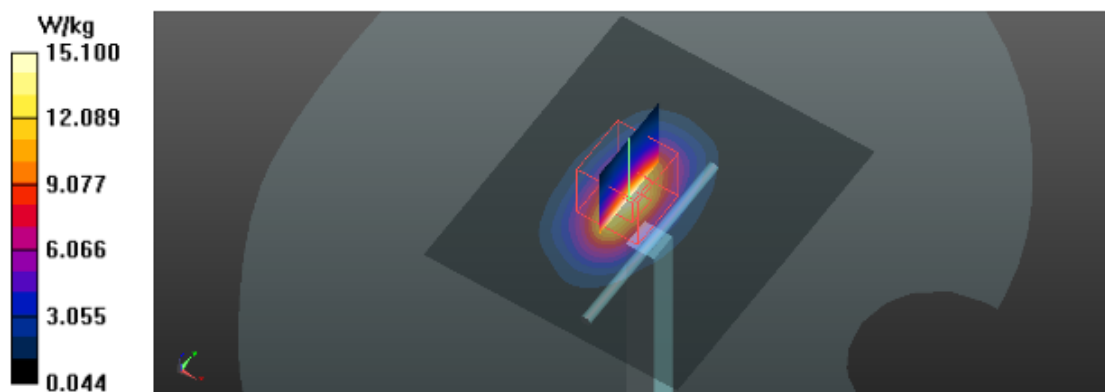
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.45 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 10.06 W/kg; SAR(10 g) = 5.6 W/kg

Maximum value of SAR (measured) = 13.5 W/kg



Test Laboratory: BTL Inc.

Date: 03/04/2016

System Check_B2450_0304

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; $\sigma = 1.993$ S/m; $\epsilon_r = 51.58$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °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: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x7x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 23.5 W/kg

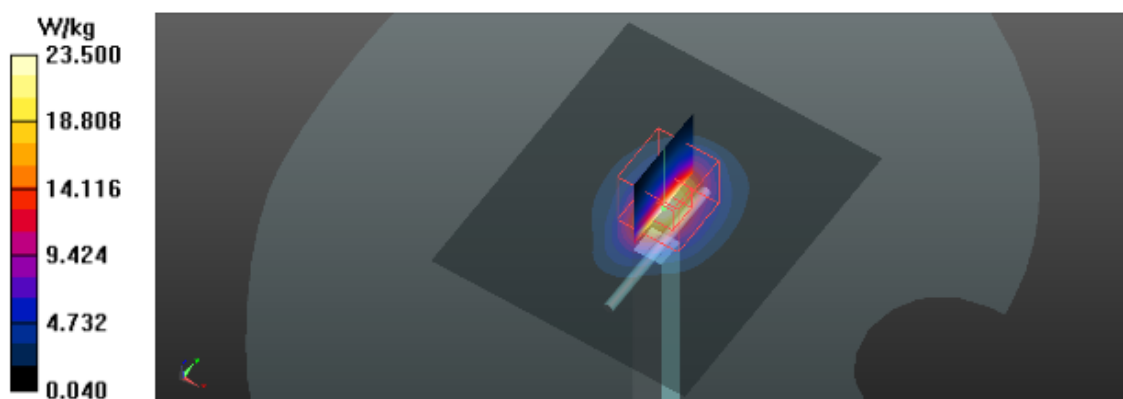
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 98.8 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 25.1 W/kg

SAR(1 g) = 12.9 W/kg; SAR(10 g) = 6.21 W/kg

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



Test Laboratory: BTL Inc.

Date: 03/04/2016

System Check_B2600_0304

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; $\sigma = 2.211$ S/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.1 °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: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (7x7x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 25.2 W/kg

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

Reference Value = 86.53 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 26.9 W/kg

SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.54 W/kg

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

