

Test Laboratory: BTL Inc.

Date: 03/26/2016

System Check_H750_0326

DUT: Dipole 750 MHz D750V3;SN:1095;

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.864$ S/m; $\epsilon_r = 41.27$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(11.06, 11.06, 11.06); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (3x15x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.32 W/kg

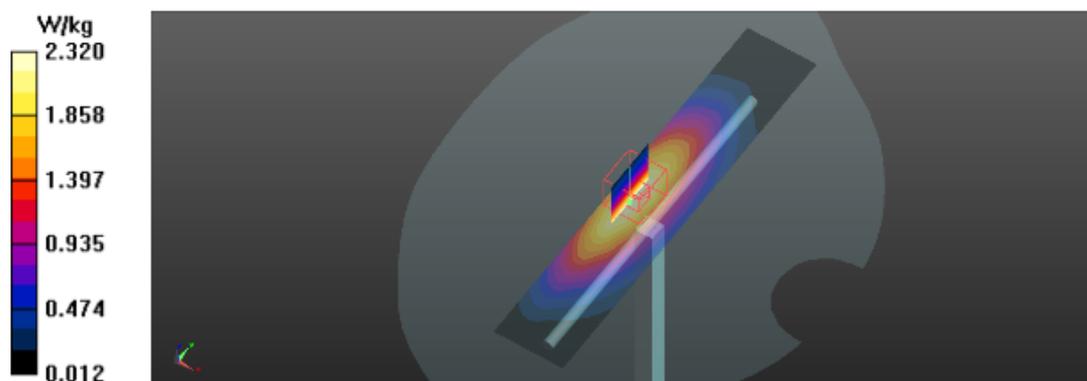
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.46 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.25 W/kg

Maximum value of SAR (measured) = 2.20 W/kg



Test Laboratory: BTL Inc.

Date: 03/31/2016

System Check_H750_0331

DUT: Dipole 750 MHz D750V3;SN:1095;

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.909$ S/m; $\epsilon_r = 40.26$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(11.06, 11.06, 11.06); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (3x15x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.45 W/kg

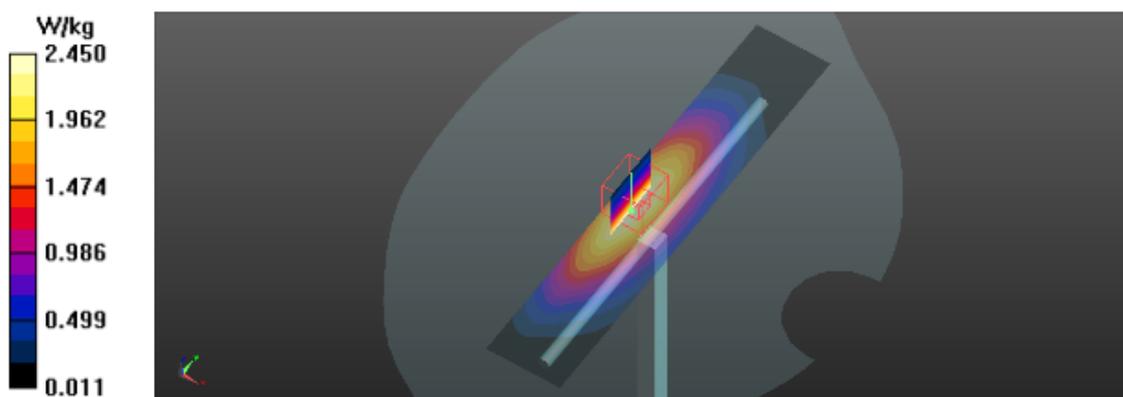
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.57 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.3 W/kg

Maximum value of SAR (measured) = 2.31 W/kg



Test Laboratory: BTL Inc.

Date: 04/22/2016

System Check_H750_0422

DUT: Dipole 750 MHz D750V3;SN:1095;

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 41.21$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(11.06, 11.06, 11.06); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (3x15x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.39 W/kg

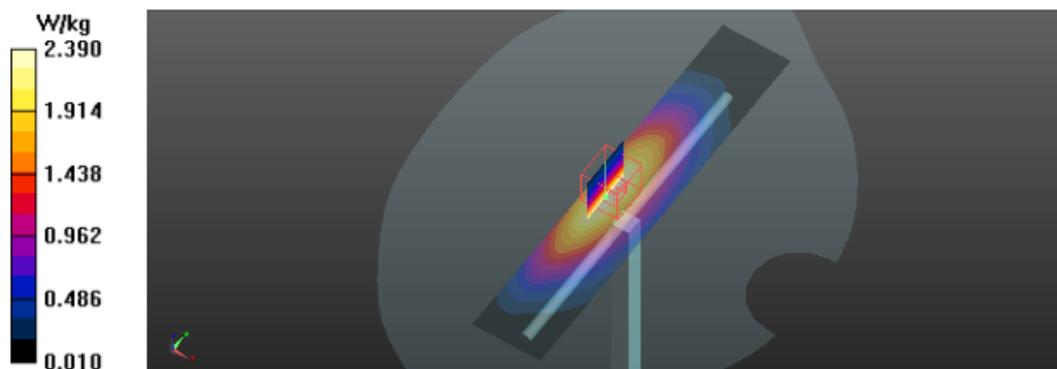
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.89 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.29 W/kg

Maximum value of SAR (measured) = 2.26 W/kg



Test Laboratory: BTL Inc.

Date: 03/08/2016

System Check_H835_0308

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; $\sigma = 0.886$ S/m; $\epsilon_r = 42.27$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 04/24/2015;
- Sensor-Surface: 4mm (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 (5x12x1): Interpolated grid: dx=15 mm, dy=15 mm

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

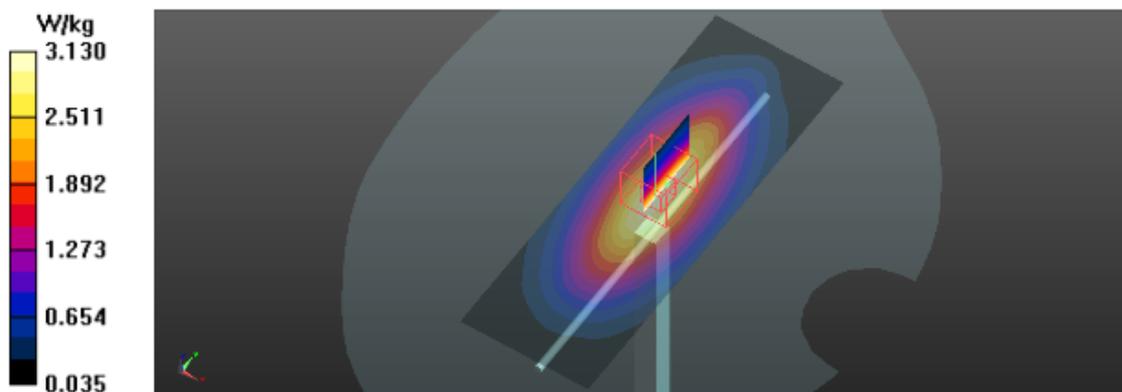
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 59.15 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.57 W/kg

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



Test Laboratory: BTL Inc.

Date: 03/09/2016

System Check_H835_0309

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; $\sigma = 0.878$ S/m; $\epsilon_r = 41.76$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 04/24/2015;
- Sensor-Surface: 4mm (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 (5x12x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.41 W/kg

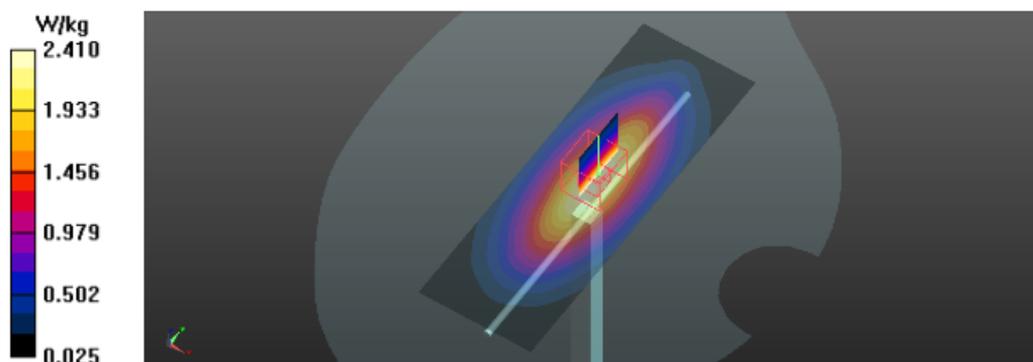
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.15 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.63 W/kg

SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.27 W/kg

Maximum value of SAR (measured) = 2.29 W/kg



Test Laboratory: BTL Inc.

Date: 03/14/2016

System Check_H835_0314

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; $\sigma = 0.881$ S/m; $\epsilon_r = 41.93$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 04/24/2015;
- Sensor-Surface: 4mm (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 (5x12x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.21 W/kg

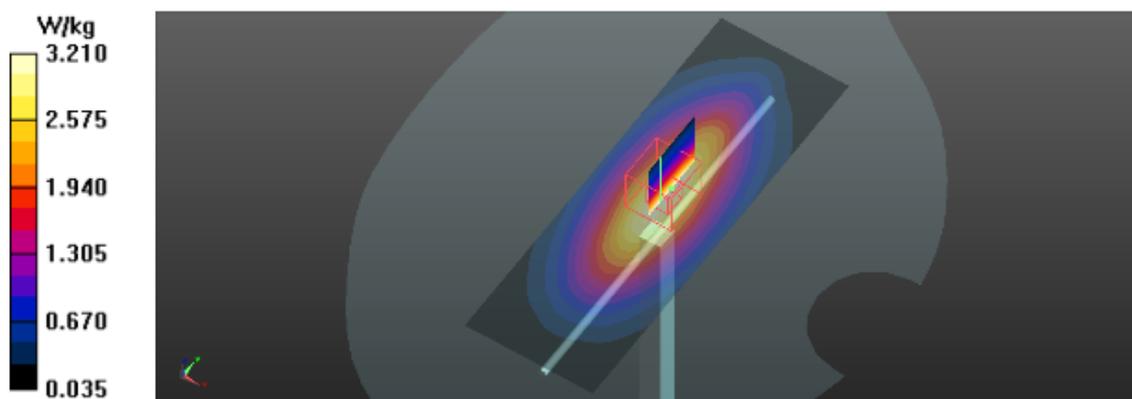
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.64 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.48 W/kg

SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.62 W/kg

Maximum value of SAR (measured) = 3.03 W/kg



Test Laboratory: BTL Inc.

Date: 03/16/2016

System Check_H835_0316

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; $\sigma = 0.887$ S/m; $\epsilon_r = 42.43$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.6, 9.6, 9.6); Calibrated: 04/24/2015;
- Sensor-Surface: 4mm (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 (5x12x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.29 W/kg

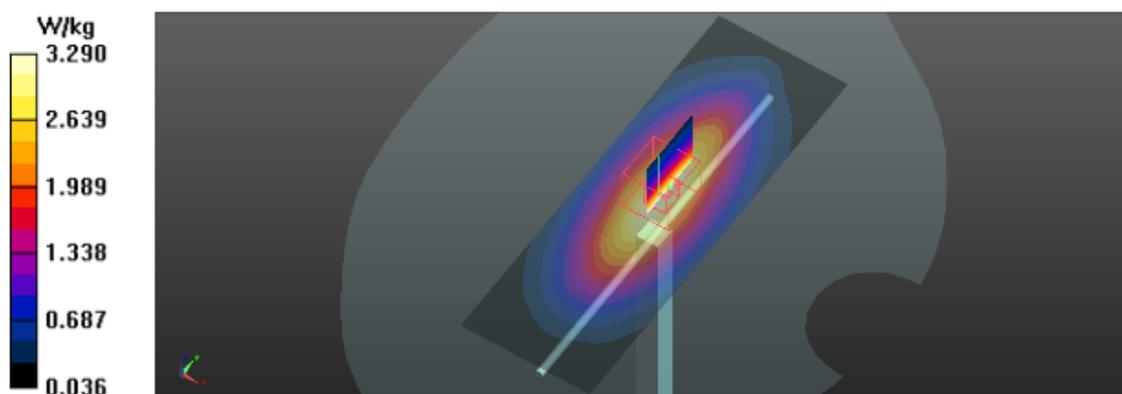
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.84 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.57 W/kg

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

Maximum value of SAR (measured) = 3.12 W/kg



Test Laboratory: BTL Inc.

Date: 03/25/2016

System Check_H835_0325

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; $\sigma = 0.885$ S/m; $\epsilon_r = 42.21$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(10.49, 10.49, 10.49); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (5x13x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.70 W/kg

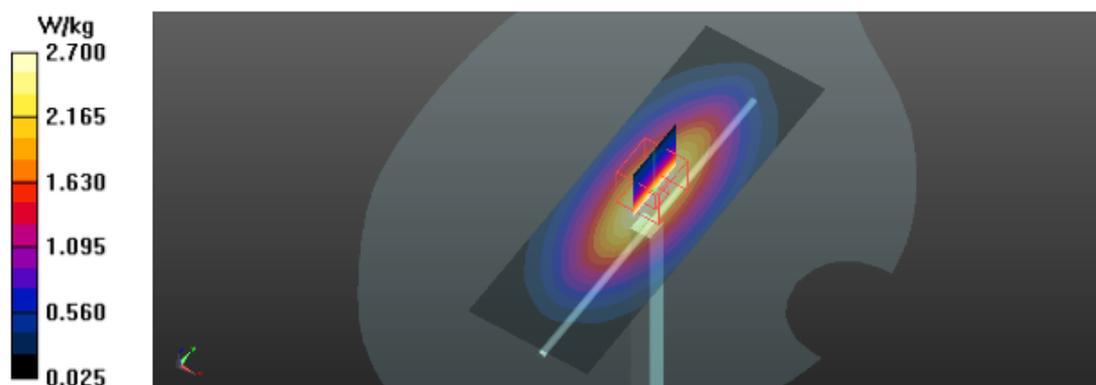
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.52 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.10 W/kg

SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (measured) = 2.68 W/kg



Test Laboratory: BTL Inc.

Date: 03/31/2016

System Check_H835_0331

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; $\sigma = 0.904$ S/m; $\epsilon_r = 42.59$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(10.49, 10.49, 10.49); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (5x12x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.76 W/kg

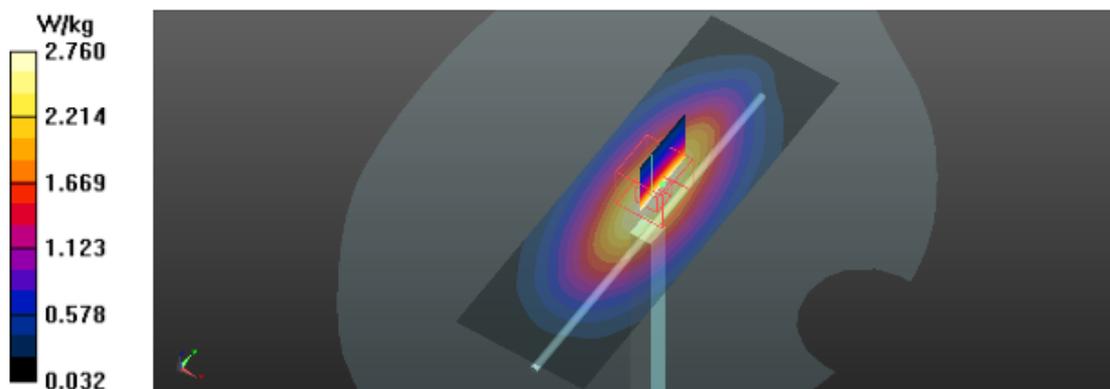
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.27 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.08 W/kg

SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.52 W/kg

Maximum value of SAR (measured) = 2.71 W/kg



Test Laboratory: BTL Inc.

Date: 04/14/2016

System Check_H835_0414

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; $\sigma = 0.908$ S/m; $\epsilon_r = 42.159$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(10.49, 10.49, 10.49); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (5x13x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.76 W/kg

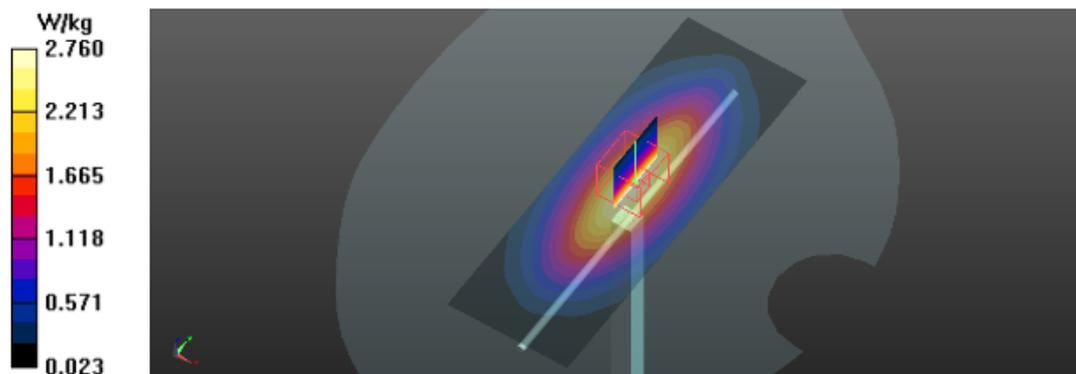
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.42 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.65 W/kg

Maximum value of SAR (measured) = 2.82 W/kg



Test Laboratory: BTL Inc.

Date: 03/09/2016

System Check_H1750_0309

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; $\sigma = 1.366$ S/m; $\epsilon_r = 40.58$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(8.43, 8.43, 8.43); Calibrated: 04/24/2015;
- Sensor-Surface: 4mm (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

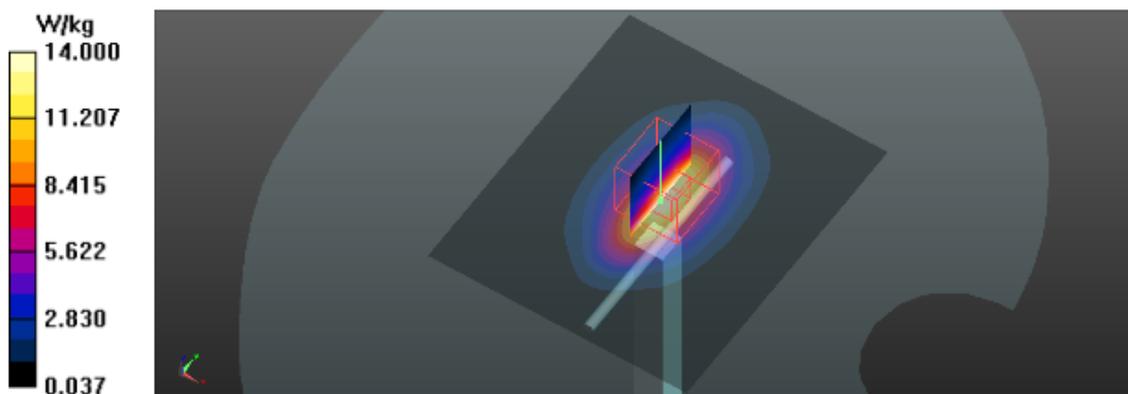
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 98.54 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 15.2 W/kg

SAR(1 g) = 9.28 W/kg; SAR(10 g) = 5.02 W/kg

Maximum value of SAR (measured) = 12.6 W/kg



Test Laboratory: BTL Inc.

Date: 03/20/2016

System Check_H1750_0320

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; $\sigma = 1.365$ S/m; $\epsilon_r = 40.65$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.6

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(8.68, 8.68, 8.68); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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) = 12.9 W/kg

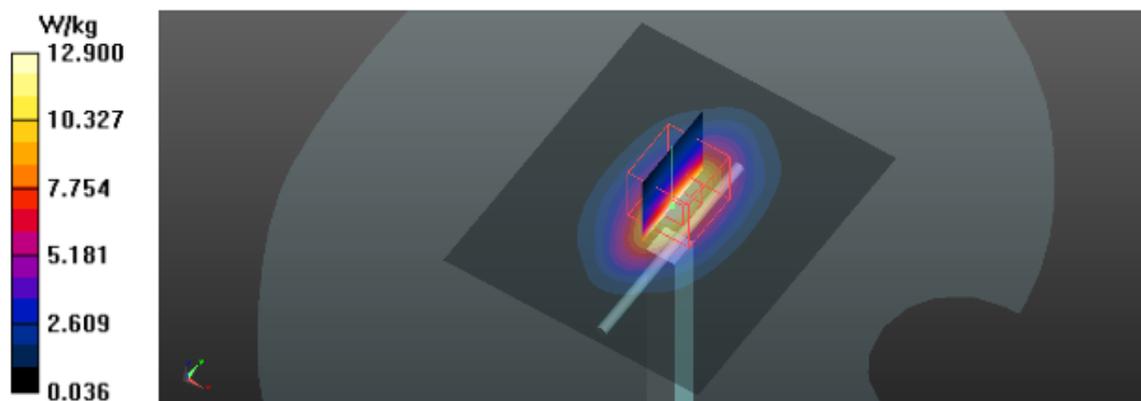
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 96.89 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 14.7 W/kg

SAR(1 g) = 9.23 W/kg; SAR(10 g) = 4.98 W/kg

Maximum value of SAR (measured) = 12.2 W/kg



Test Laboratory: BTL Inc.

Date: 03/13/2016

System Check_H1900_0313

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; $\sigma = 1.408$ S/m; $\epsilon_r = 40.79$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.94, 7.94, 7.94); Calibrated: 04/24/2015;
- Sensor-Surface: 4mm (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) = 16.2 W/kg

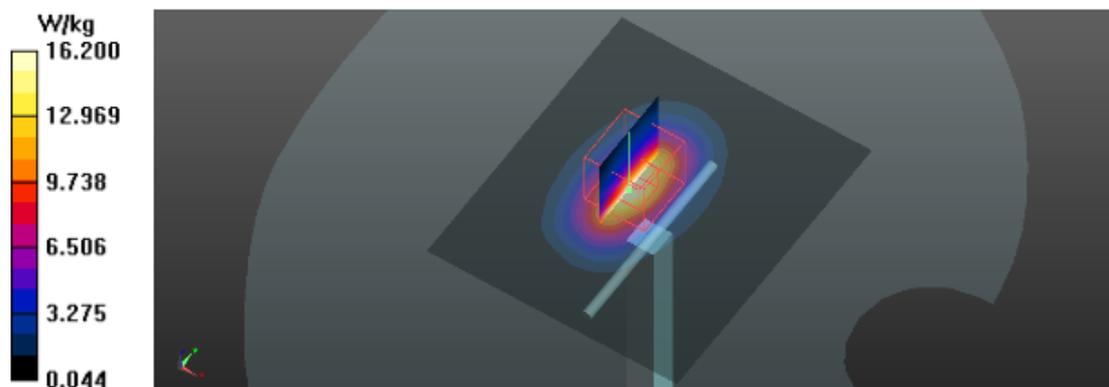
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.81 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 10.03 W/kg; SAR(10 g) = 5.59 W/kg

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



Test Laboratory: BTL Inc.

Date: 03/22/2016

System Check_H1900_0322

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; $\sigma = 1.365$ S/m; $\epsilon_r = 41.47$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(8.36, 8.36, 8.36); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (7x8x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 14.3 W/kg

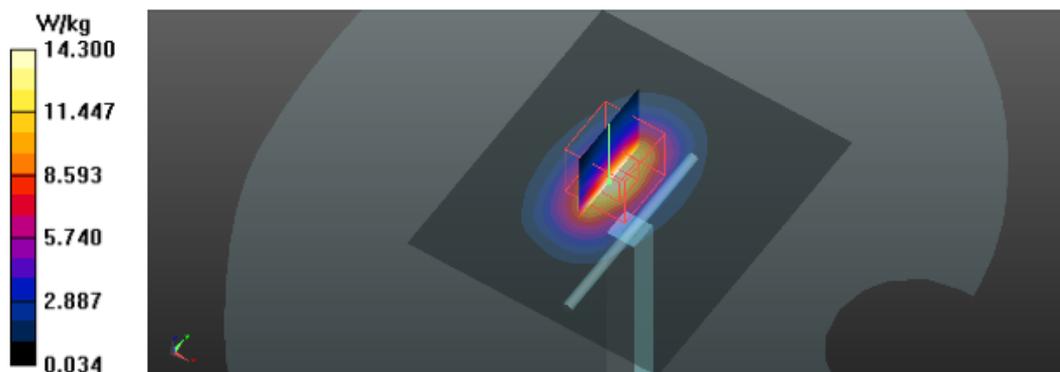
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.26 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 15.2 W/kg

SAR(1 g) = 9.53 W/kg; SAR(10 g) = 5.2 W/kg

Maximum value of SAR (measured) = 12.7 W/kg



Test Laboratory: BTL Inc.

Date: 03/24/2016

System Check_H1900_0324

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; $\sigma = 1.358$ S/m; $\epsilon_r = 40.58$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(8.36, 8.36, 8.36); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (7x8x1): Interpolated grid: dx=15 mm, dy=15 mm

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

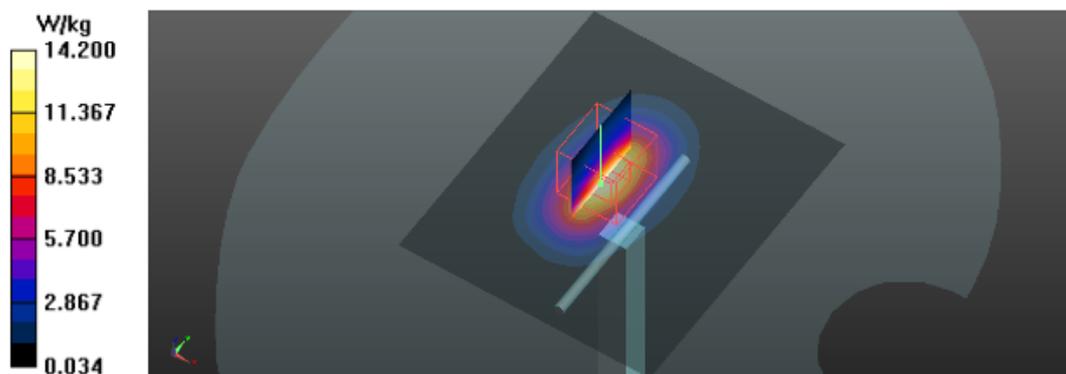
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.26 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 15.1 W/kg

SAR(1 g) = 9.66 W/kg; SAR(10 g) = 5.18 W/kg

Maximum value of SAR (measured) = 12.6 W/kg



Test Laboratory: BTL Inc.

Date: 04/07/2016

System Check_H2450_0407

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; $\sigma = 1.799$ S/m; $\epsilon_r = 39.22$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(7.24, 7.24, 7.24); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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) = 21.2 W/kg

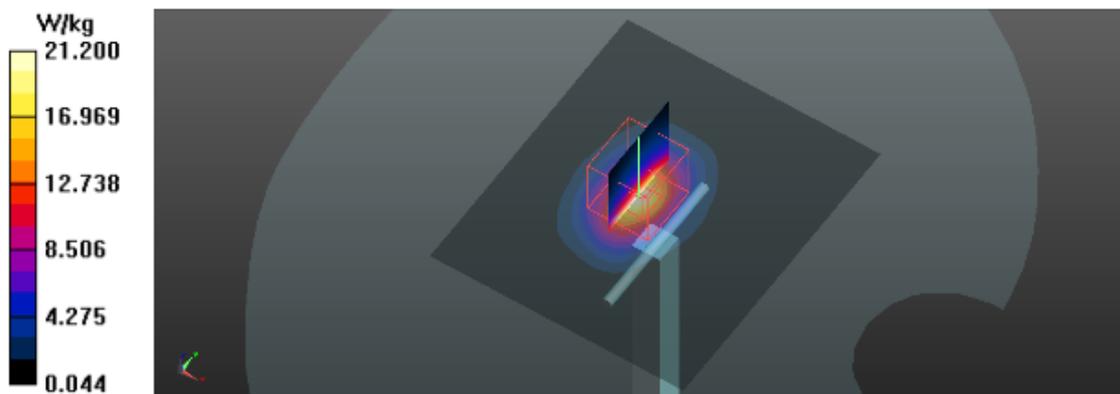
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 91.24 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 23.8 W/kg

SAR(1 g) = 12.79 W/kg; SAR(10 g) = 6.02 W/kg

Maximum value of SAR (measured) = 18.7 W/kg



Test Laboratory: BTL Inc.

Date: 04/14/2016

System Check_H2450_0414

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; $\sigma = 1.759$ S/m; $\epsilon_r = 39.34$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(7.24, 7.24, 7.24); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (8x10x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 15.7 W/kg

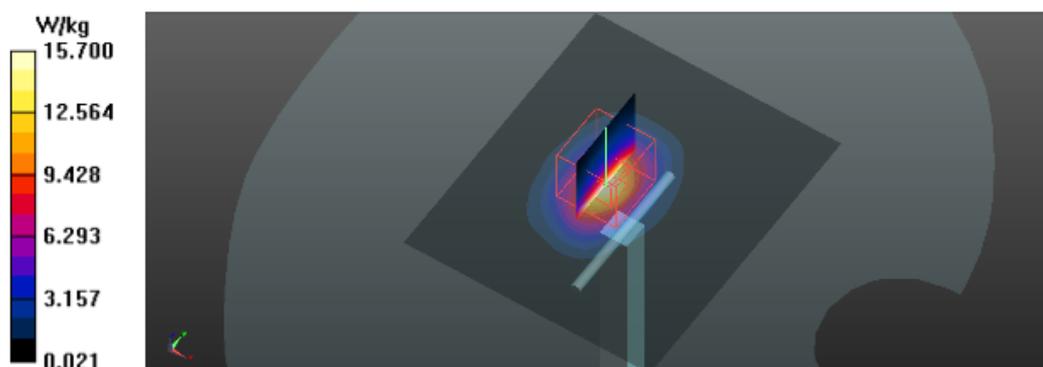
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 80.02 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 17.7 W/kg

SAR(1 g) = 12.48 W/kg; SAR(10 g) = 4.47 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



Test Laboratory: BTL Inc.

Date: 03/13/2016

System Check_H2600_0313

DUT: Dipole 2600 MHz D2600V2;SN:1067;

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.024$ S/m; $\epsilon_r = 38.32$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.1, 7.1, 7.1); Calibrated: 04/24/2015;
- Sensor-Surface: 4mm (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 (8x10x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 25.1 W/kg

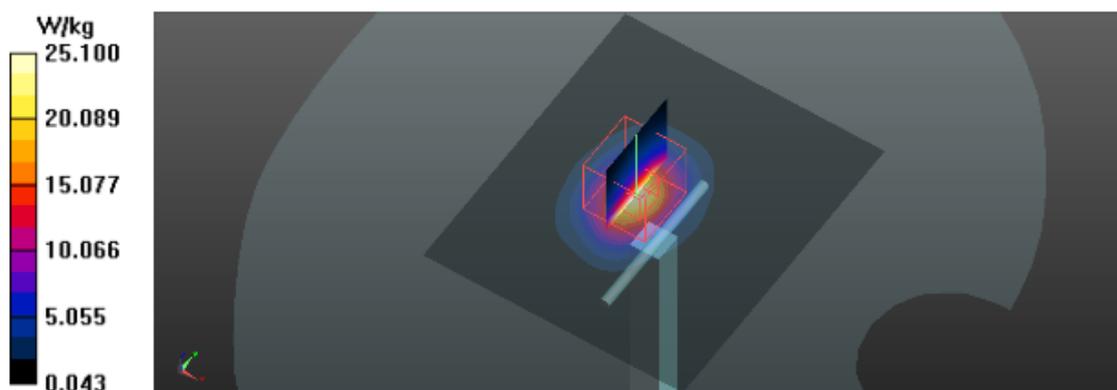
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.24 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 28.1 W/kg

SAR(1 g) = 14.7 W/kg; SAR(10 g) = 6.41 W/kg

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



Test Laboratory: BTL Inc.

Date: 03/24/2016

System Check_H2600_0324

DUT: Dipole 2600 MHz D2600V2;SN:1067;

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 38.47$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(6.88, 6.88, 6.88); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (8x10x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 24.8 W/kg

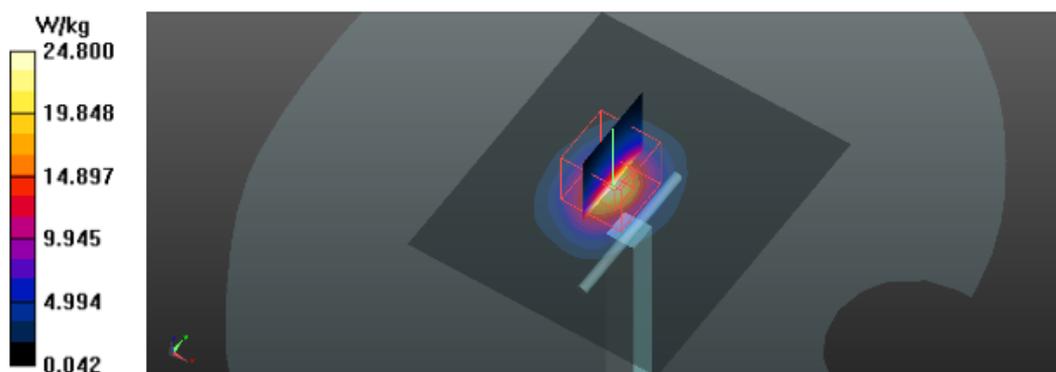
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.11 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 14.82 W/kg; SAR(10 g) = 6.84 W/kg

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



Test Laboratory: BTL Inc.

Date: 03/31/2016

System Check_H2600_0331

DUT: Dipole 2600 MHz D2600V2;SN:1067;

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.028$ S/m; $\epsilon_r = 38.34$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(6.88, 6.88, 6.88); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (8x10x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 25.0 W/kg

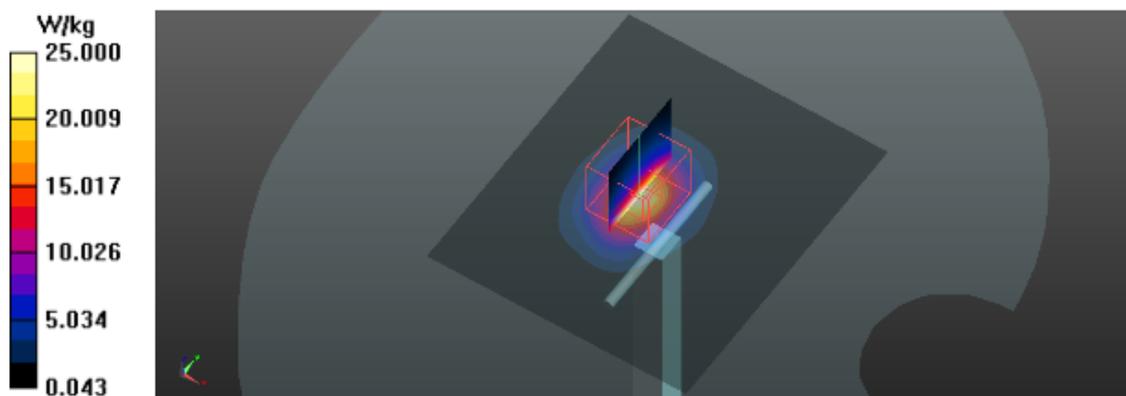
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.04 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 28.7 W/kg

SAR(1 g) = 14.45 W/kg; SAR(10 g) = 6.37 W/kg

Maximum value of SAR (measured) = 22.6 W/kg



Test Laboratory: BTL Inc.

Date: 04/08/2016

System Check_H5200_0408

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.7$ S/m; $\epsilon_r = 35.4$; $\rho = 996$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(5.23, 5.23, 5.23); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 19.1 W/kg

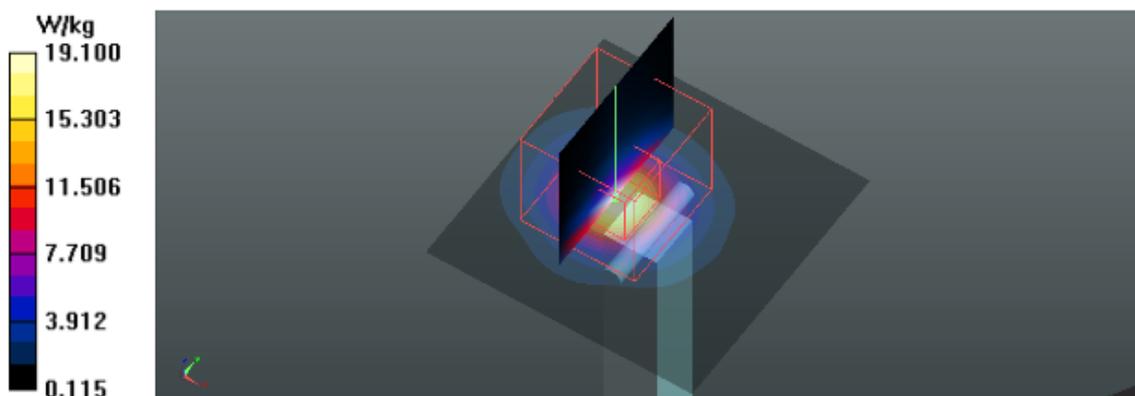
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 38.36 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 16.3 W/kg



Test Laboratory: BTL Inc.

Date: 04/08/2016

System Check_H5300_0408

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.872$ S/m; $\epsilon_r = 35.08$; $\rho = 996$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.85, 4.85, 4.85); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 20.0 W/kg

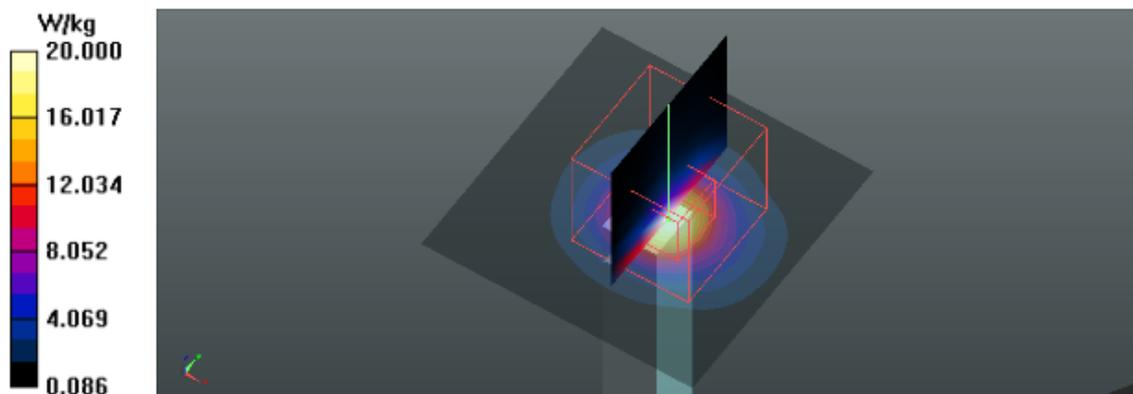
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 42.56 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 35.2kg

SAR(1 g) = 8.34 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 17.7 W/kg



Test Laboratory: BTL Inc.

Date: 04/08/2016

System Check_H5600_0408

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.254$ S/m; $\epsilon_r = 34.13$; $\rho = 996$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.39, 4.39, 4.39); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 19.5 W/kg

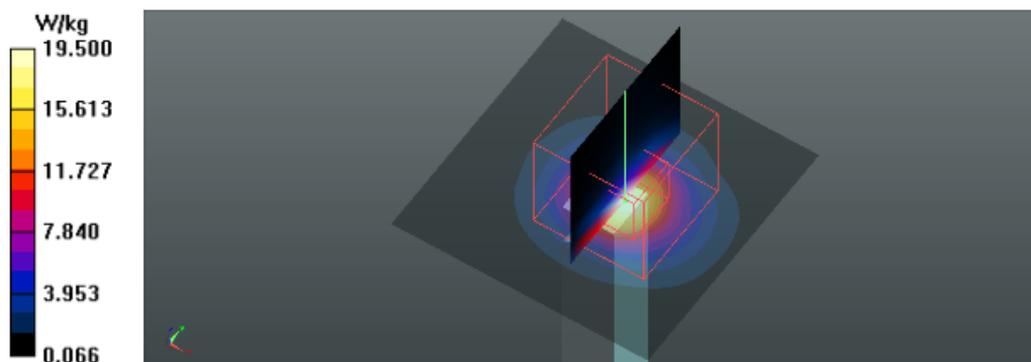
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 37.94 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 36.0 W/kg

SAR(1 g) = 8.92 W/kg; SAR(10 g) = 2.83 W/kg

Maximum value of SAR (measured) = 15.9 W/kg



Test Laboratory: BTL Inc.

Date: 04/08/2016

System Check_H5800_0408

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.445$ S/m; $\epsilon_r = 34.06$; $\rho = 996$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.5, 4.5, 4.5); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 22.6 W/kg

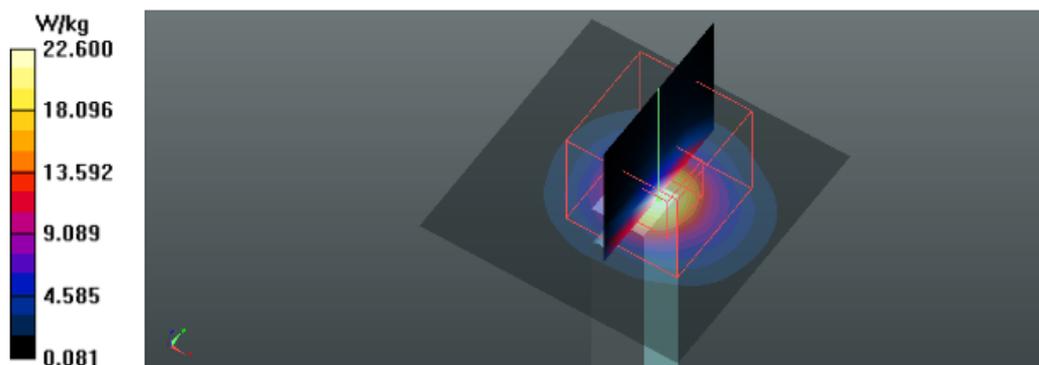
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 38.92 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 45.3 W/kg

SAR(1 g) = 8.39 W/kg; SAR(10 g) = 2.63 W/kg

Maximum value of SAR (measured) = 18.5 W/kg



Test Laboratory: BTL Inc.

Date: 04/14/2016

System Check_H5200_0414

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.621$ S/m; $\epsilon_r = 37.21$; $\rho = 996$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(5.23, 5.23, 5.23); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 18.7 W/kg

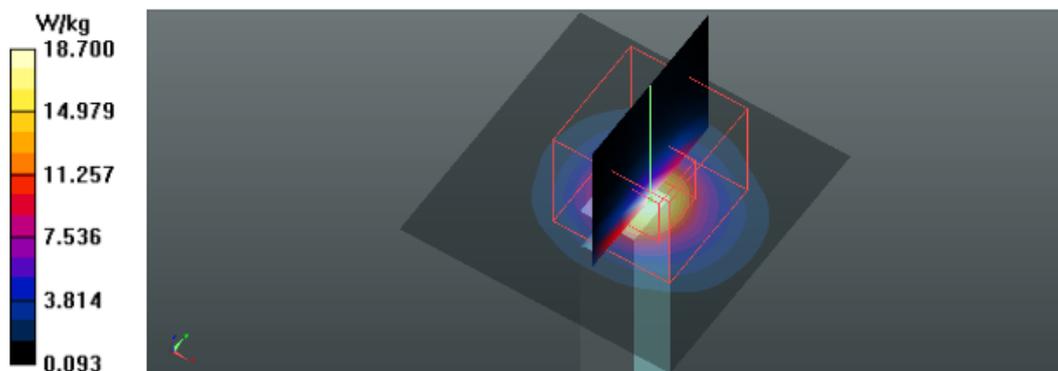
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.67 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 32.4 W/kg

SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 15.6 W/kg



Test Laboratory: BTL Inc.

Date: 04/14/2016

System Check_H5300_0414

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.771$ S/m; $\epsilon_r = 36.95$; $\rho = 996$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.85, 4.85, 4.85); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 18.9 W/kg

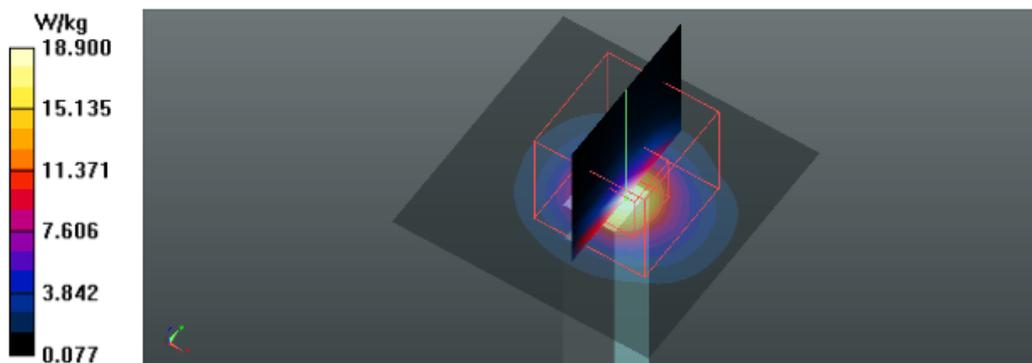
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.51 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 32.8 W/kg

SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 15.9 W/kg



Test Laboratory: BTL Inc.

Date: 04/14/2016

System Check_H5600_0414

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.134$ S/m; $\epsilon_r = 36.32$; $\rho = 996$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.39, 4.39, 4.39); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 18.6 W/kg

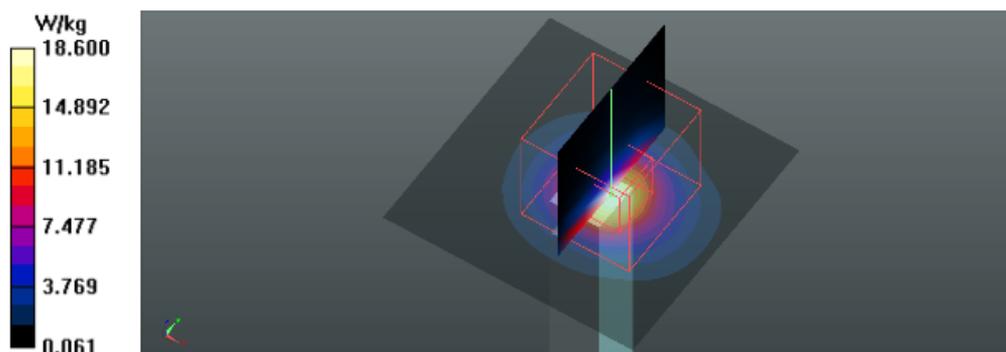
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 37.42 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 34.9 W/kg

SAR(1 g) = 8.42 W/kg; SAR(10 g) = 2.45 W/kg

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



Test Laboratory: BTL Inc.

Date: 04/14/2016

System Check_H5800_0414

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.353$ S/m; $\epsilon_r = 35.97$; $\rho = 996$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.5, 4.5, 4.5); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 21.3 W/kg

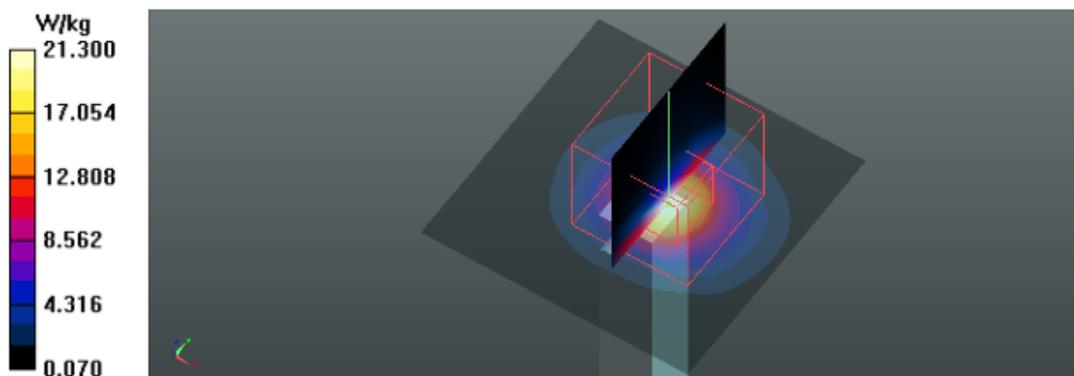
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 38.11 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 42.6 W/kg

SAR(1 g) = 8.35 W/kg; SAR(10 g) = 2.47 W/kg

Maximum value of SAR (measured) = 17.4 W/kg



Test Laboratory: BTL Inc.

Date: 03/24/2016

System Check_B750_0324

DUT: Dipole 750 MHz D750V3;

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.966$ S/m; $\epsilon_r = 55.18$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(10.28, 10.28, 10.28); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (3x15x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.71 W/kg

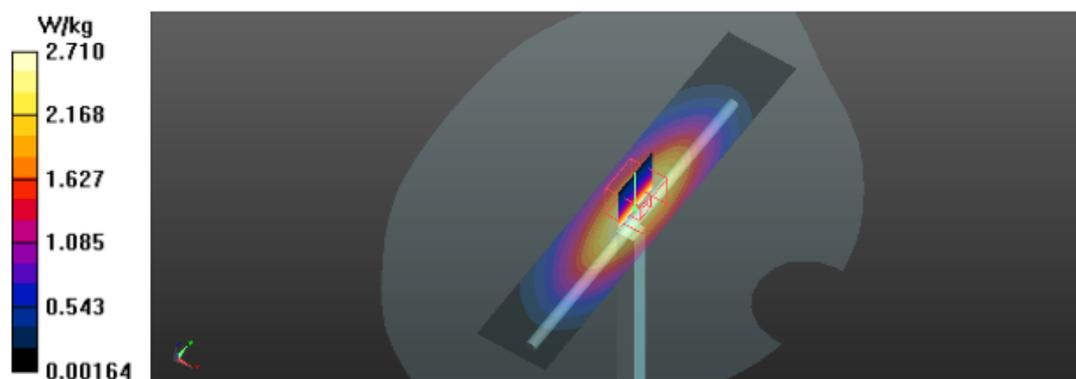
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.76 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.44 W/kg

Maximum value of SAR (measured) = 2.72 W/kg



Test Laboratory: BTL Inc.

Date: 03/25/2016

System Check_B750_0325

DUT: Dipole 750 MHz D750V3;SN:1095;

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 750$ MHz; $\sigma = 0.959$ S/m; $\epsilon_r = 55.75$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(10.28, 10.28, 10.28); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (3x15x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.85 W/kg

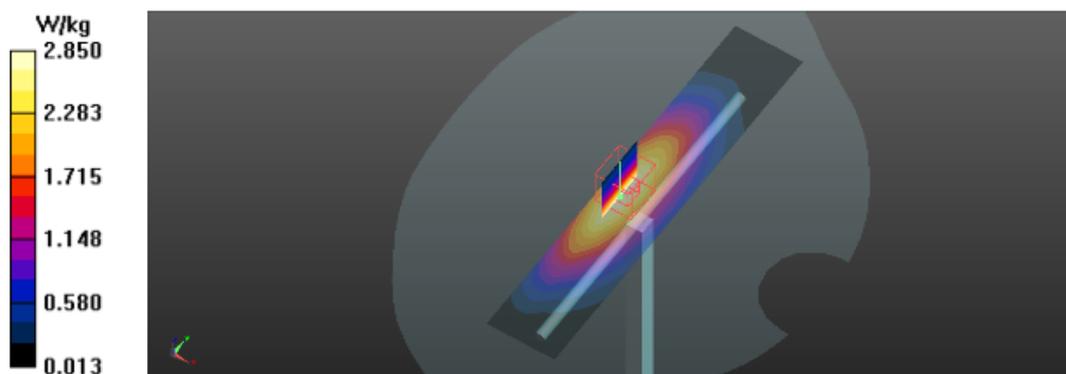
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.76 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.53 W/kg

Maximum value of SAR (measured) = 2.68 W/kg



Test Laboratory: BTL Inc.

Date: 03/18/2016

System Check_B835_0318

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; $\sigma = 0.973$ S/m; $\epsilon_r = 54.21$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(9.68, 9.68, 9.68); Calibrated: 04/24/2015;
- Sensor-Surface: 4mm (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 (5x12x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.48 W/kg

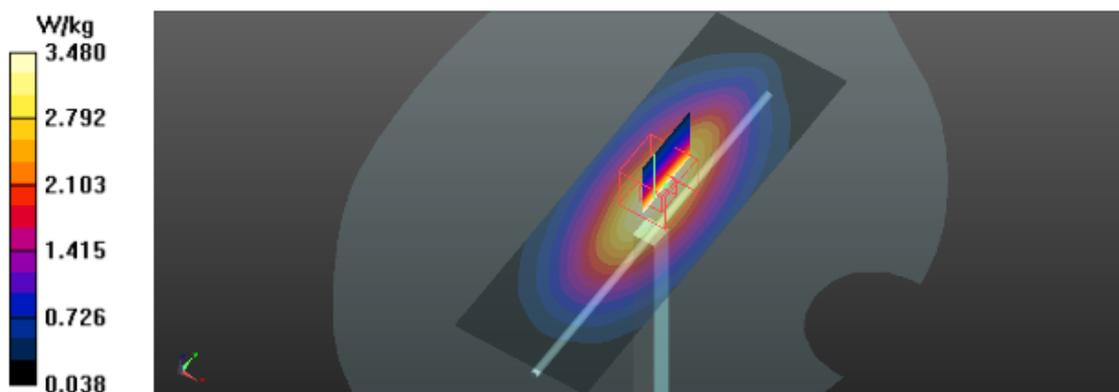
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.67 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.85 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.78 W/kg

Maximum value of SAR (measured) = 3.42 W/kg



Test Laboratory: BTL Inc.

Date: 03/22/2016

System Check_B835_0322

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; $\sigma = 0.948$ S/m; $\epsilon_r = 54.42$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(10.22, 10.22, 10.22); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (5x13x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.99 W/kg

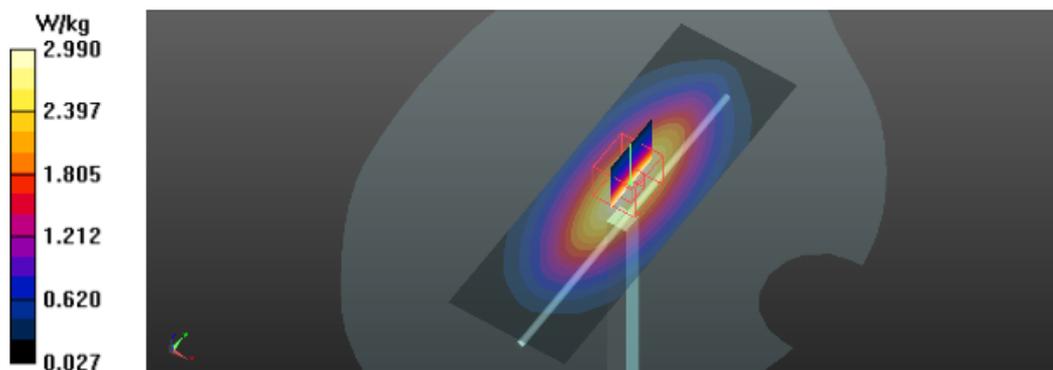
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.26 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.59 W/kg

Maximum value of SAR (measured) = 2.96 W/kg



Test Laboratory: BTL Inc.

Date: 03/24/2016

System Check_B835_0324

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; $\sigma = 0.978$ S/m; $\epsilon_r = 55.64$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(10.22, 10.22, 10.22); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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) = 3.16 W/kg

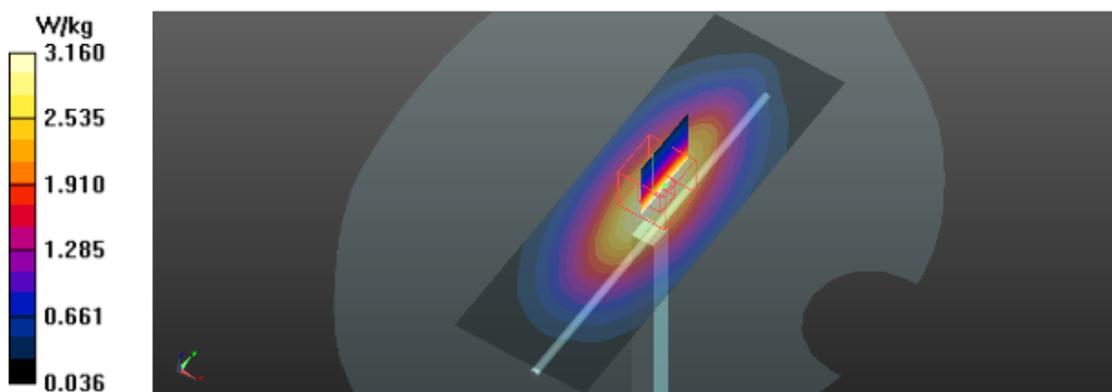
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.36 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.45 W/kg

SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.7 W/kg

Maximum value of SAR (measured) = 3.04 W/kg



Test Laboratory: BTL Inc.

Date: 03/25/2016

System Check_B1750_0325

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; $\sigma = 1.471$ S/m; $\epsilon_r = 52.36$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(8.38, 8.38, 8.38); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (7x8x1): Interpolated grid: dx=15 mm, dy=15 mm

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

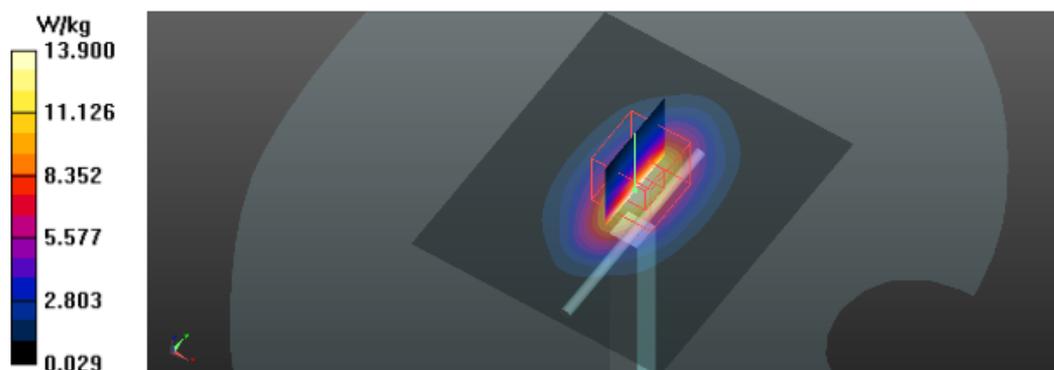
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.00 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 9.22 W/kg; SAR(10 g) = 4.86 W/kg

Maximum value of SAR (measured) = 12.8 W/kg



Test Laboratory: BTL Inc.

Date: 03/20/2016

System Check_B1900_0320

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; $\sigma = 1.552$ S/m; $\epsilon_r = 51.92$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(7.94, 7.94, 7.94); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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) = 15.7 W/kg

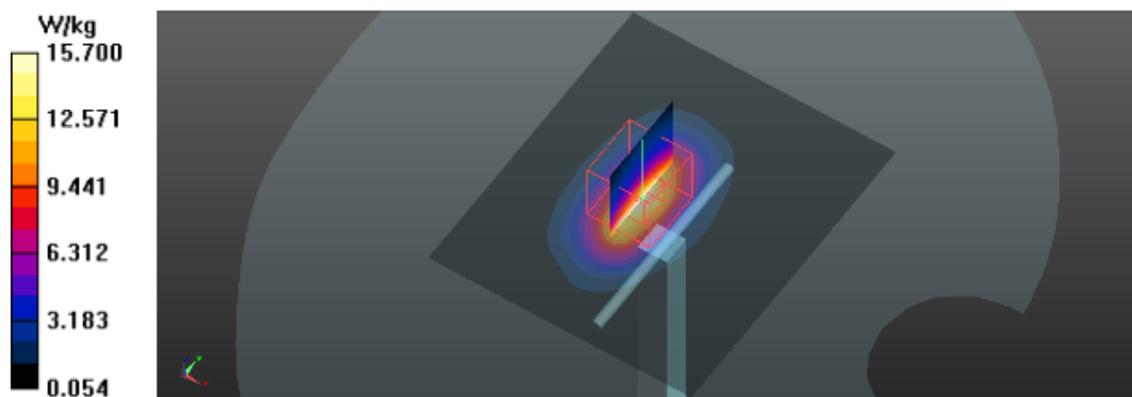
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.67 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 16.1 W/kg

SAR(1 g) = 10.01 W/kg; SAR(10 g) = 5.38 W/kg

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



Test Laboratory: BTL Inc.

Date: 03/23/2016

System Check_B1900_0323

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; $\sigma = 1.554$ S/m; $\epsilon_r = 51.84$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(7.94, 7.94, 7.94); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (7x8x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 14.8 W/kg

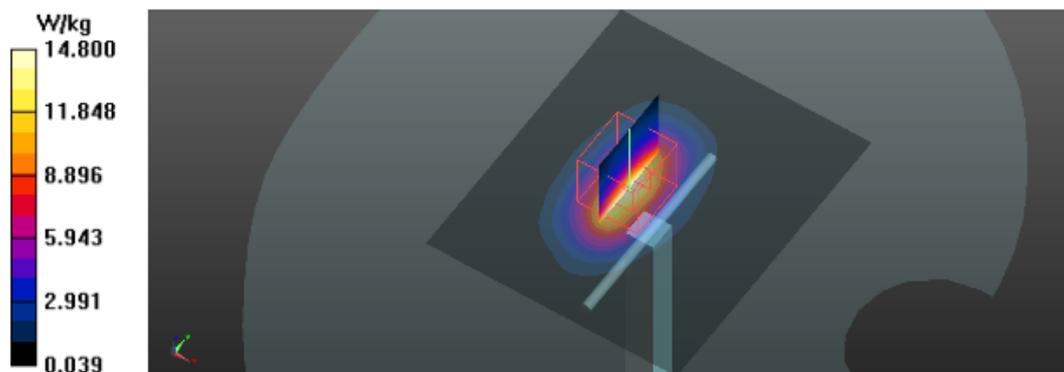
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.93 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 9.87 W/kg; SAR(10 g) = 5.47 W/kg

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



Test Laboratory: BTL Inc.

Date: 03/24/2016

System Check_B1900_0324

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; $\sigma = 1.55$ S/m; $\epsilon_r = 52.04$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(7.94, 7.94, 7.94); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (7x8x1): Interpolated grid: dx=15 mm, dy=15 mm

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

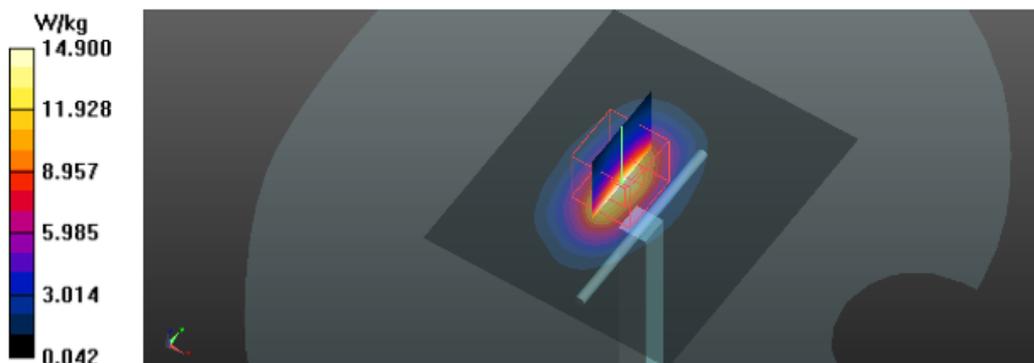
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 82.23 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 9.83 W/kg; SAR(10 g) = 5.41 W/kg

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



Test Laboratory: BTL Inc.

Date: 04/09/2016

System Check_B2450_0409

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; $\sigma = 1.934$ S/m; $\epsilon_r = 51.83$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(7.52, 7.52, 7.52); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (8x10x1): Interpolated grid: dx=12 mm, dy=12 mm

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

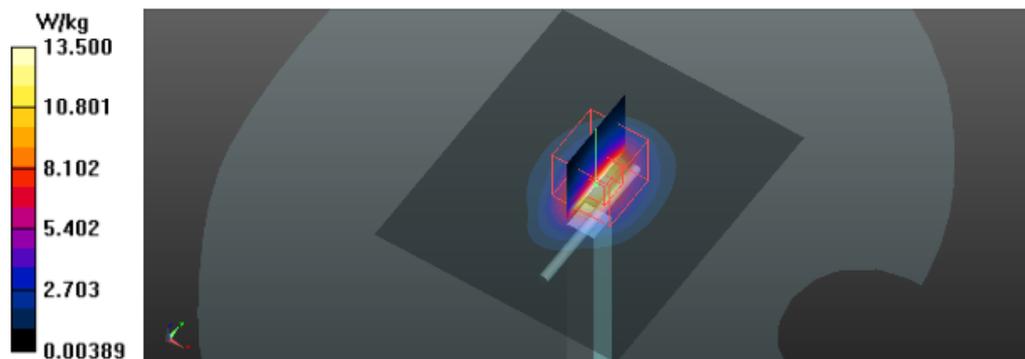
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 79.66 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 15.8 W/kg

SAR(1 g) = 12.26 W/kg; SAR(10 g) = 5.87 W/kg

Maximum value of SAR (measured) = 12.8 W/kg



Test Laboratory: BTL Inc.

Date: 03/18/2016

System Check_B2600_0318

DUT: Dipole 2600 MHz D2600V2;SN:1067;

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.226$ S/m; $\epsilon_r = 52.02$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3661; ConvF(7.24, 7.24, 7.24); Calibrated: 04/24/2015;
- Sensor-Surface: 4mm (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 (8x10x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 22.7 W/kg

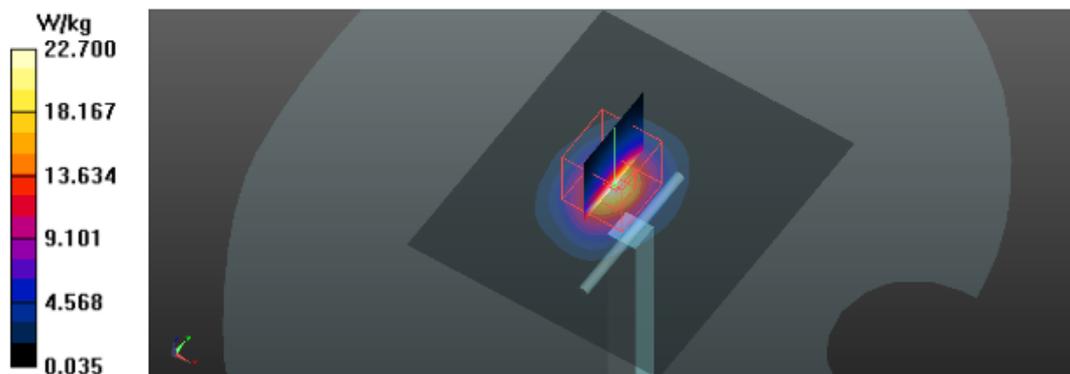
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.36 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 26.0 W/kg

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.26 W/kg

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



Test Laboratory: BTL Inc.

Date: 03/20/2016

System Check_B2600_0320

DUT: Dipole 2600 MHz D2600V2;SN:1067;

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.199$ S/m; $\epsilon_r = 52.43$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(6.99, 6.99, 6.99); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (8x10x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 23.8 W/kg

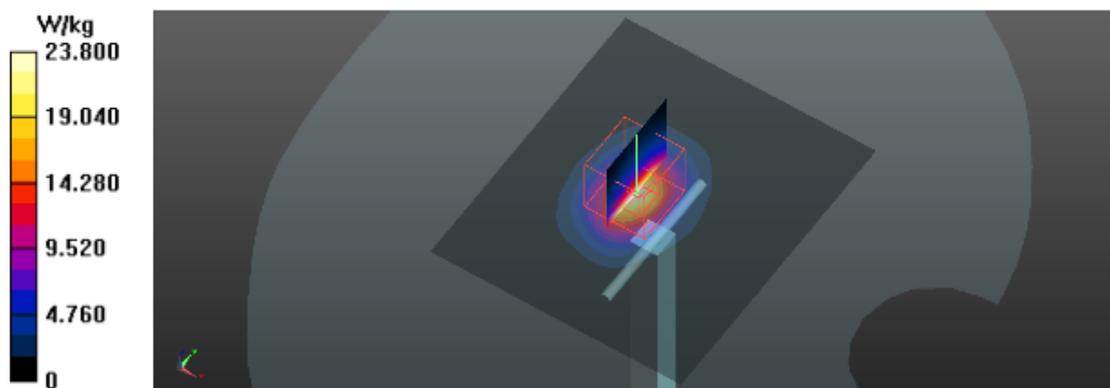
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 86.54 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 26.3 W/kg

SAR(1 g) = 13.63 W/kg; SAR(10 g) = 6.45 W/kg

Maximum value of SAR (measured) = 20.5 W/kg



Test Laboratory: BTL Inc.

Date: 03/24/2016

System Check_B2600_0324

DUT: Dipole 2600 MHz D2600V2;SN:1067;

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.134$ S/m; $\epsilon_r = 52.62$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(6.99, 6.99, 6.99); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (8x10x1): Interpolated grid: dx=12 mm, dy=12 mm

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

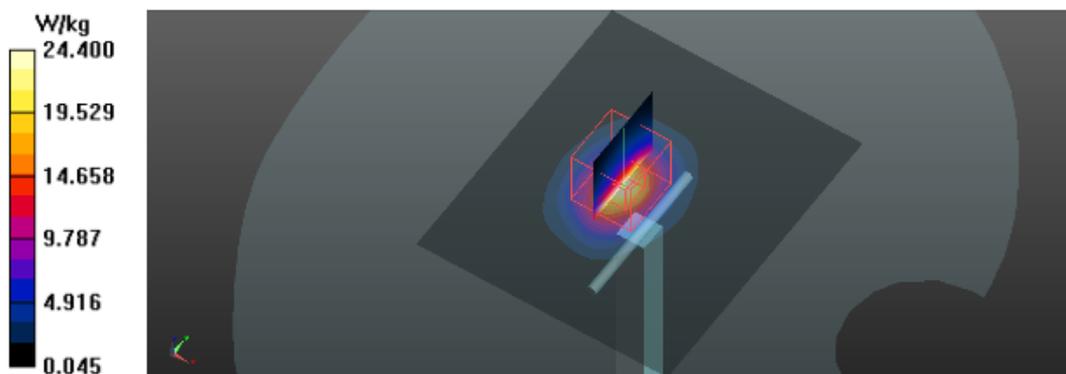
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.44 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 14.02 W/kg; SAR(10 g) = 6.2 W/kg

Maximum value of SAR (measured) = 21.7 W/kg



Test Laboratory: BTL Inc.

Date: 04/15/2016

System Check_B2600_0415

DUT: Dipole 2600 MHz D2600V2;SN:1067;

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

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.146$ S/m; $\epsilon_r = 52.59$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(6.99, 6.99, 6.99); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (8x10x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm

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

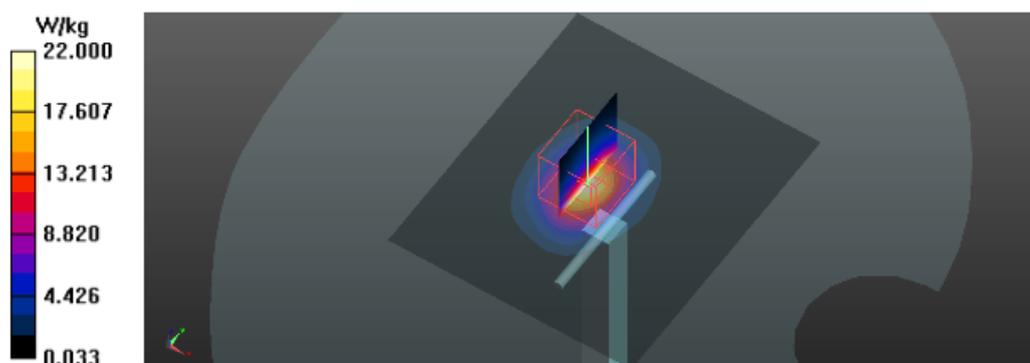
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 83.69 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 25.6 W/kg

SAR(1 g) = 13.76 W/kg; SAR(10 g) = 6.21 W/kg

Maximum value of SAR (measured) = 19.5 W/kg



Test Laboratory: BTL Inc.

Date: 04/09/2016

System Check_B5200_0409

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.214$ S/m; $\epsilon_r = 49.32$; $\rho = 996$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.45, 4.45, 4.45); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 17.6 W/kg

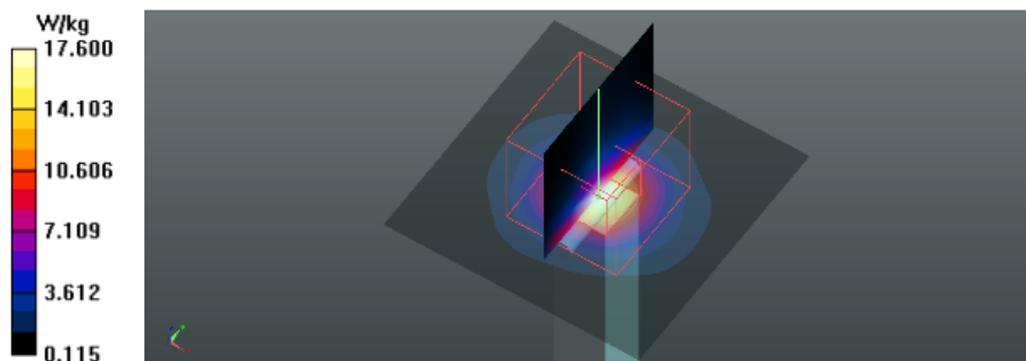
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 43.77 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 26.9 W/kg

SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.32 W/kg

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



Test Laboratory: BTL Inc.

Date: 04/09/2016

System Check_B5300_0409

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.334$ S/m; $\epsilon_r = 48.86$; $\rho = 996$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.29, 4.29, 4.29); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 17.4 W/kg

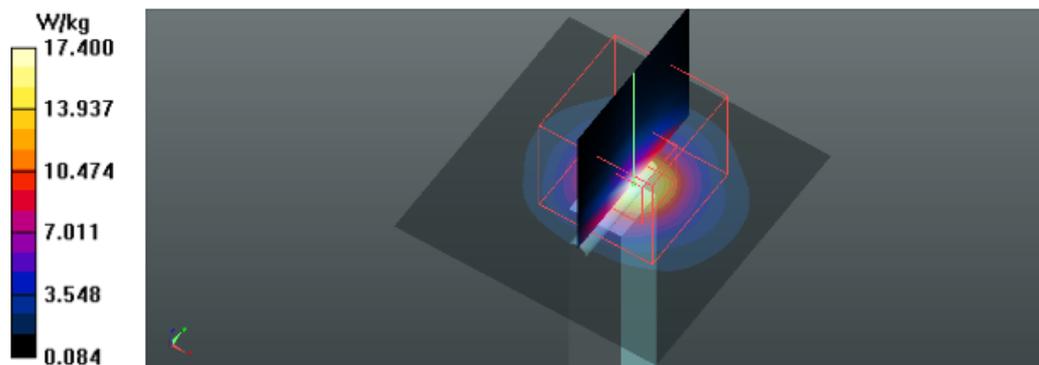
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 39.77 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 29.1 W/kg

SAR(1 g) = 7.56 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 15.5 W/kg



Test Laboratory: BTL Inc.

Date: 04/09/2016

System Check_B5600_0409

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.644$ S/m; $\epsilon_r = 46.65$; $\rho = 996$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(3.71, 3.71, 3.71); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

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

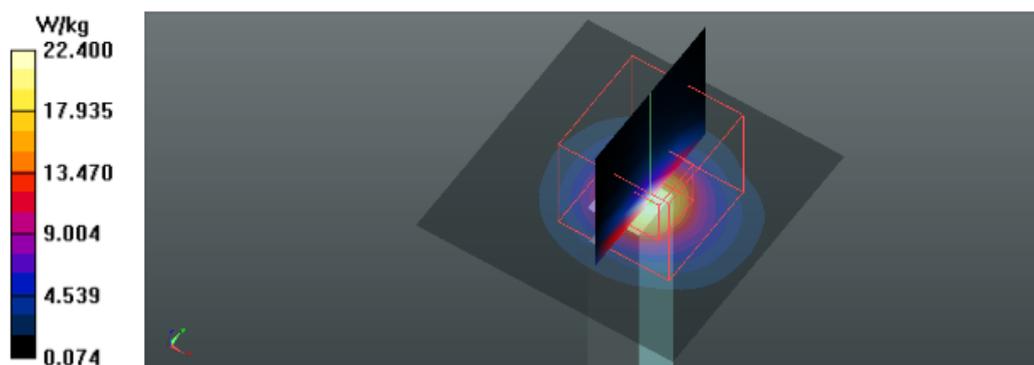
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 40.70 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 40.4 W/kg

SAR(1 g) = 8.22 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 19.0 W/kg



Test Laboratory: BTL Inc.

Date: 04/09/2016

System Check_B5800_0409

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.013$ S/m; $\epsilon_r = 48.21$; $\rho = 996$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(3.88, 3.88, 3.88); Calibrated: 02/19/2016;
- 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=10 mm, dy=10 mm

Maximum value of SAR (interpolated) = 14.6 W/kg

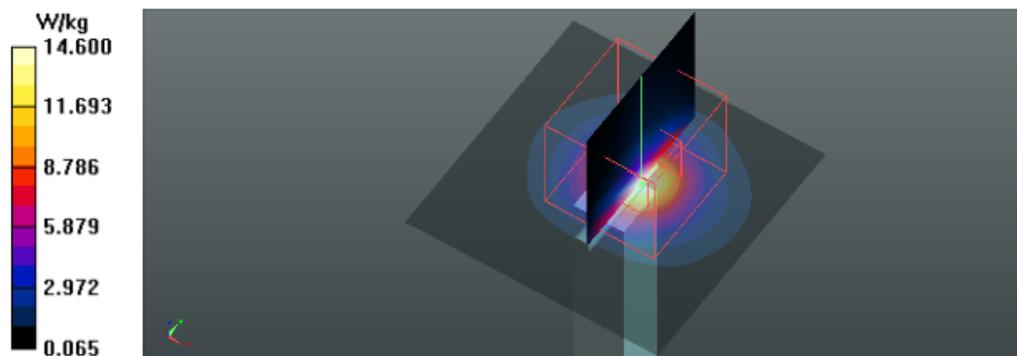
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 32.88 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 7.74 W/kg; SAR(10 g) = 1.89 W/kg

Maximum value of SAR (measured) = 12.7 W/kg



Test Laboratory: BTL Inc.

Date: 04/29/2016

System Check_H835_0429

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; $\sigma = 0.92$ S/m; $\epsilon_r = 42.68$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(10.49, 10.49, 10.49); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (5x13x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.09 W/kg

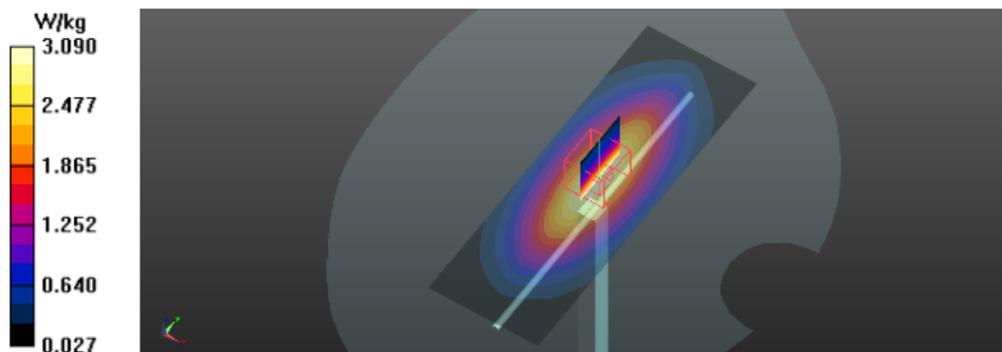
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 59.19 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.64 W/kg

Maximum value of SAR (measured) = 3.05 W/kg



Test Laboratory: BTL Inc.

Date: 04/29/2016

System Check_H1900_0429

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; $\sigma = 1.401$ S/m; $\epsilon_r = 41.34$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(8.36, 8.36, 8.36); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (7x8x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 14.4 W/kg

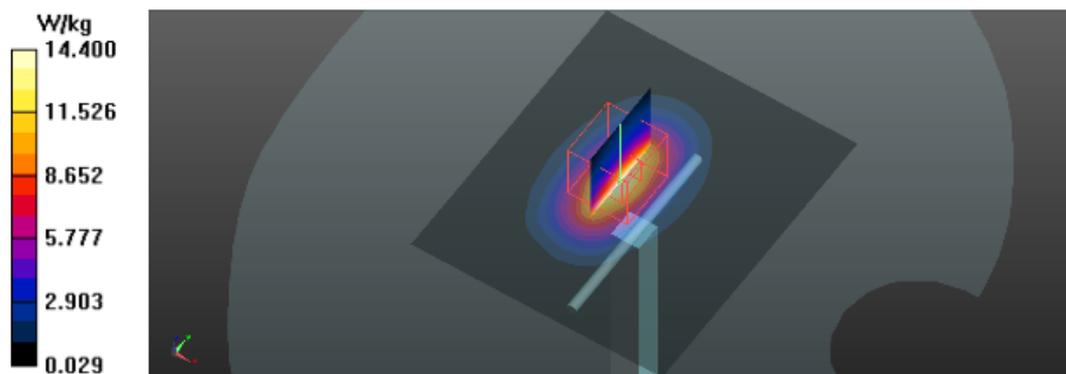
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.32 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 9.56 W/kg; SAR(10 g) = 5.23 W/kg

Maximum value of SAR (measured) = 12.9 W/kg



Test Laboratory: BTL Inc.

Date: 04/30/2016

System Check_B835_0430

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; $\sigma = 0.973$ S/m; $\epsilon_r = 55.33$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(10.22, 10.22, 10.22); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (5x13x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.21 W/kg

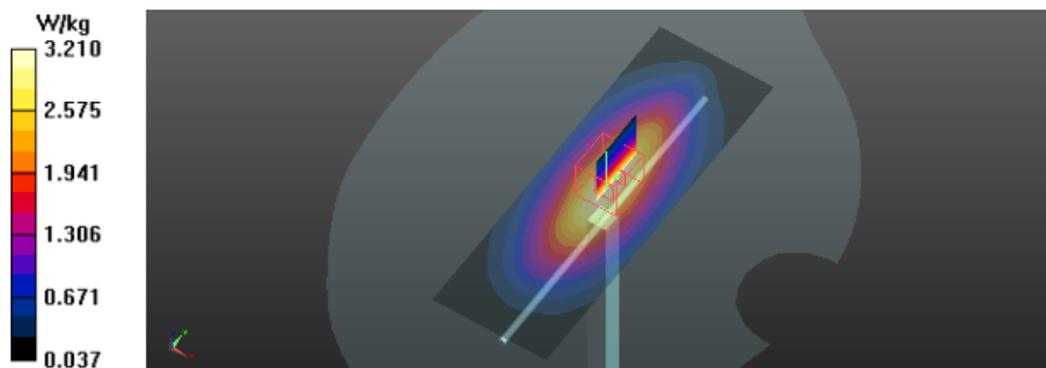
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.85 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.73 W/kg

Maximum value of SAR (measured) = 3.09 W/kg



Test Laboratory: BTL Inc.

Date: 04/28/2016

System Check_B1900_0428

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; $\sigma = 1.499$ S/m; $\epsilon_r = 51.99$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(7.94, 7.94, 7.94); Calibrated: 02/19/2016;
- Sensor-Surface: 4mm (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 (7x8x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 14.4 W/kg

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

Reference Value = 82.23 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 15.1 W/kg

SAR(1 g) = 9.51 W/kg; SAR(10 g) = 5.27 W/kg

Maximum value of SAR (measured) = 12.9 W/kg

