

Test Laboratory: BTL Inc.

Date: 2017/7/27

System Check_H835_0727

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; $\sigma = 0.906$ S/m; $\epsilon_r = 42.892$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(9.69, 9.69, 9.69); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (7x13x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 3.25 W/kg

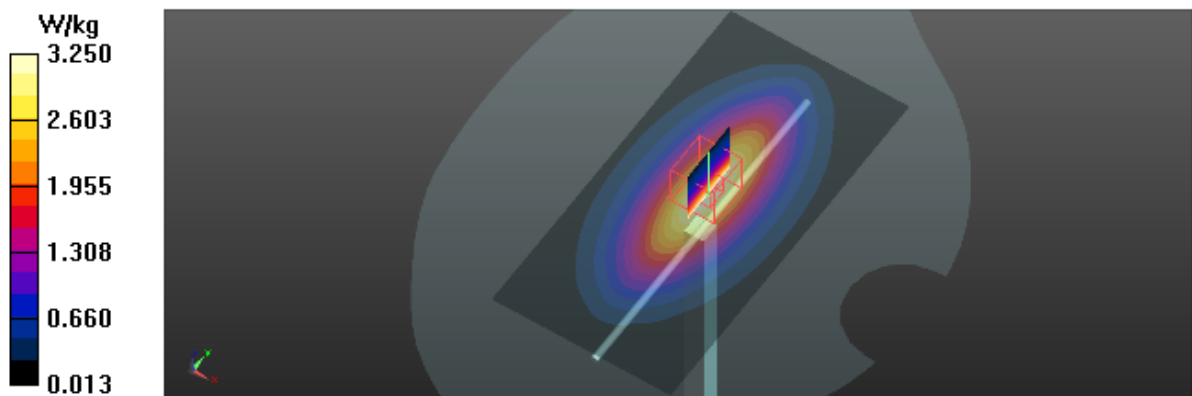
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.59 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.63 W/kg

SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.58 W/kg

Maximum value of SAR (measured) = 3.22 W/kg



Test Laboratory: BTL Inc.

Date: 2017/7/27

System Check_H1900_0727

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; $\sigma = 1.404$ S/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(8.26, 8.26, 8.26); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (5x7x1): Interpolated grid: dx=15 mm, dy=15 mm

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

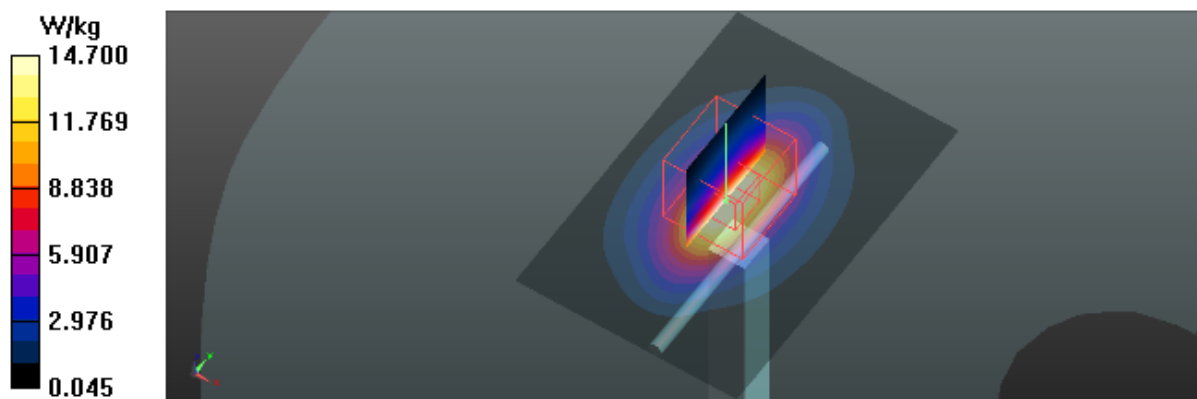
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 98.99 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 9.62 W/kg; SAR(10 g) = 5.1 W/kg

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



Test Laboratory: BTL Inc.

Date: 2017/8/5

System Check_H2450_0805

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; $\sigma = 1.871$ S/m; $\epsilon_r = 37.99$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.9 °C

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

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

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

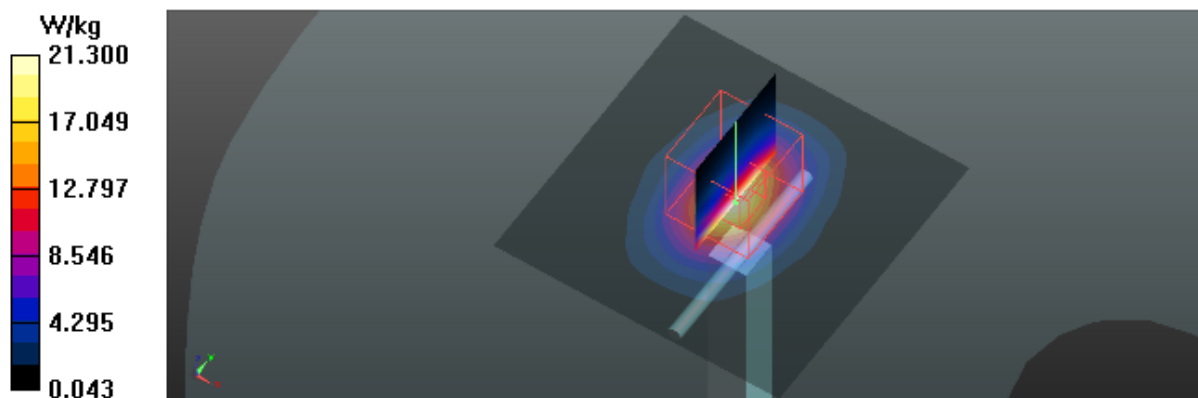
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 105.8 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 26.3 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.07 W/kg

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



Test Laboratory: BTL Inc.

Date: 2017/7/28

System Check_B835_0728

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; $\sigma = 0.98$ S/m; $\epsilon_r = 54.32$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(10.13, 10.13, 10.13); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (7x12x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 2.56 W/kg

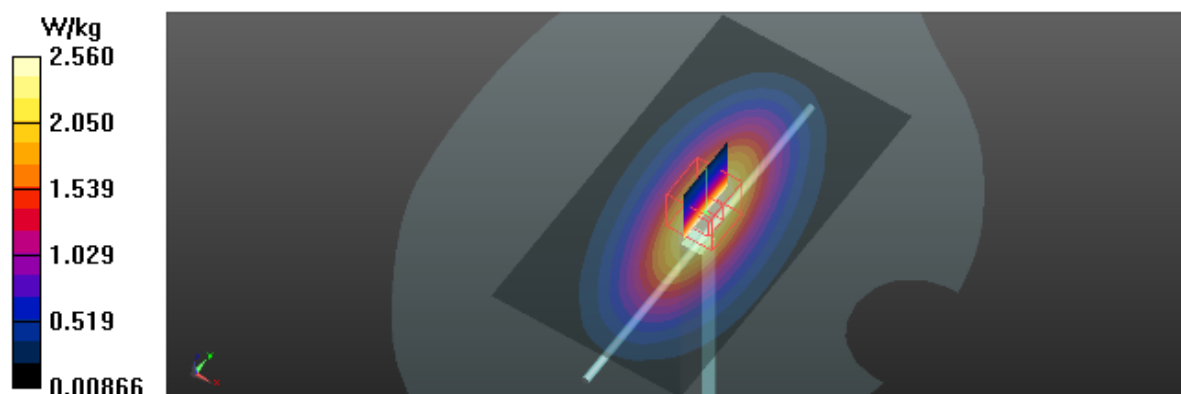
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.22 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.44 W/kg

SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.58 W/kg

Maximum value of SAR (measured) = 2.55 W/kg



Test Laboratory: BTL Inc.

Date: 2017/8/1

System Check_B1900_0801

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; $\sigma = 1.557$ S/m; $\epsilon_r = 53.519$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.8 °C

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(8.01, 8.01, 8.01); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (5x7x1): Interpolated grid: dx=15 mm, dy=15 mm

Maximum value of SAR (interpolated) = 11.6 W/kg

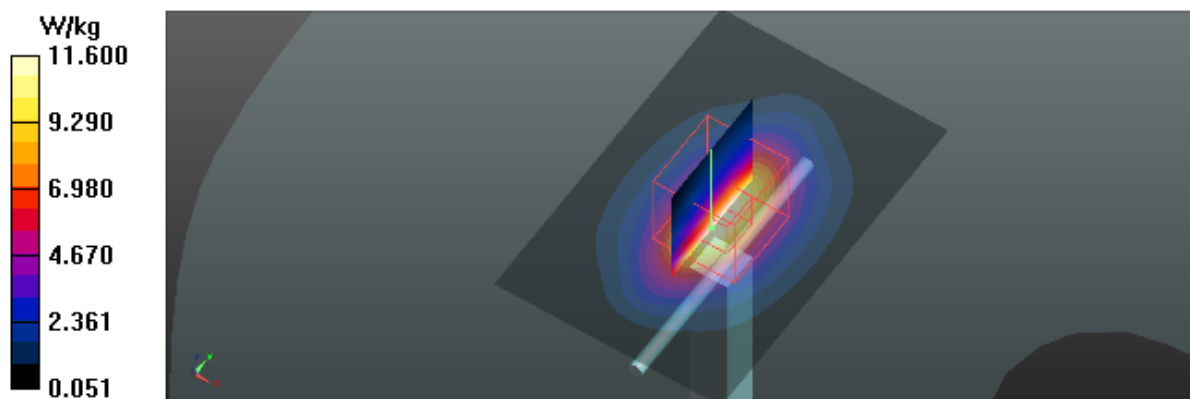
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.85 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 9.87 W/kg; SAR(10 g) = 5.33 W/kg

Maximum value of SAR (measured) = 10.8 W/kg



Test Laboratory: BTL Inc.

Date: 2017/7/31

System Check_B2450_0731

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; $\sigma = 1.999$ S/m; $\epsilon_r = 51.71$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.7 °C

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(7.63, 7.63, 7.63); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (6x8x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm

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

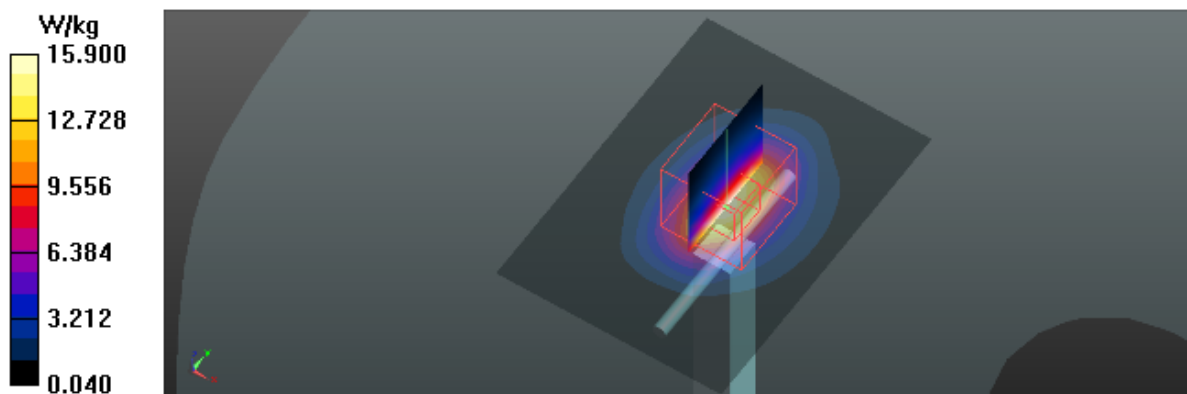
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 96.63 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 25.1 W/kg

SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.91 W/kg

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



Test Laboratory: BTL Inc.

Date: 2017/8/5

System Check_B2450_0805

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; $\sigma = 1.966$ S/m; $\epsilon_r = 51.442$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.9 °C

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(7.63, 7.63, 7.63); Calibrated: 2016/12/27;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2016/9/22
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (6x7x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 15.3 W/kg

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

Reference Value = 96.56 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 24.6 W/kg

SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.81 W/kg

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

