

Test Laboratory: BTL Inc.

Date: 04/18/2016

System Check_B2450_0418

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; $\sigma = 1.964$ S/m; $\epsilon_r = 52.79$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °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: ELI v5.0; Type: QDOVA002AA; Serial:1222
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Area Scan (9x9x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 20.9 W/kg

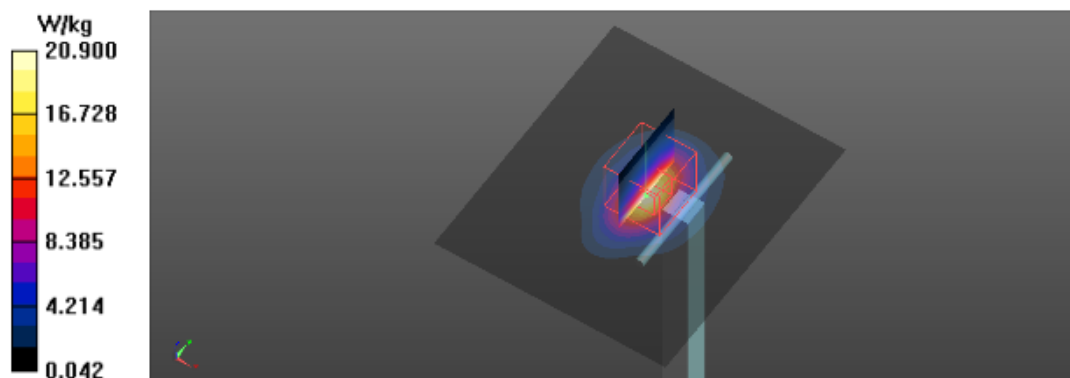
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 99.29 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 23.9 W/kg

SAR(1 g) = 12.75 W/kg; SAR(10 g) = 6.28 W/kg

Maximum value of SAR (measured) = 18.4 W/kg



Test Laboratory: BTL Inc.

Date: 04/18/2016

System Check_B5200_0418

DUT: Dipole D5GHzV2;SN;1160;

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

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.292$ S/m; $\epsilon_r = 48.876$; $\rho = 996$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °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: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- 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) = 19.6 W/kg

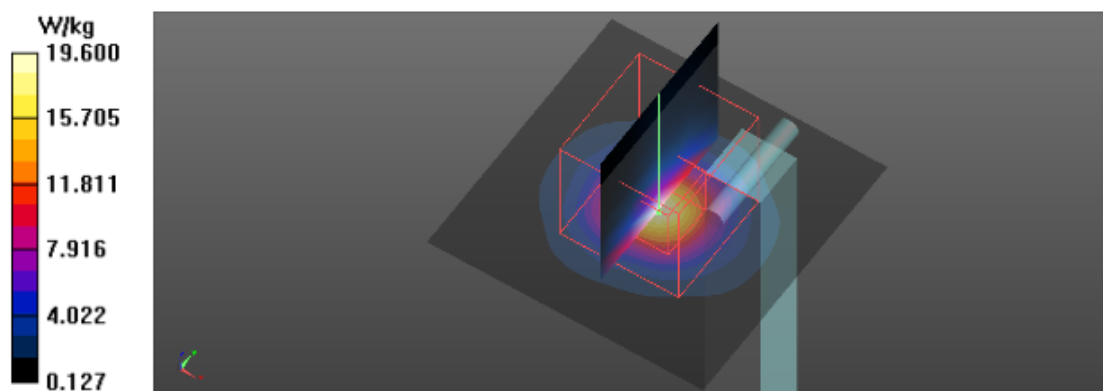
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 46.08 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.49 W/kg

Maximum value of SAR (measured) = 16.4 W/kg



Test Laboratory: BTL Inc.

Date: 04/18/2016

System Check_B5300_0418

DUT: Dipole D5GHzV2;SN;1160;

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

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.408$ S/m; $\epsilon_r = 48.662$; $\rho = 996$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °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: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- 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) = 18.2 W/kg

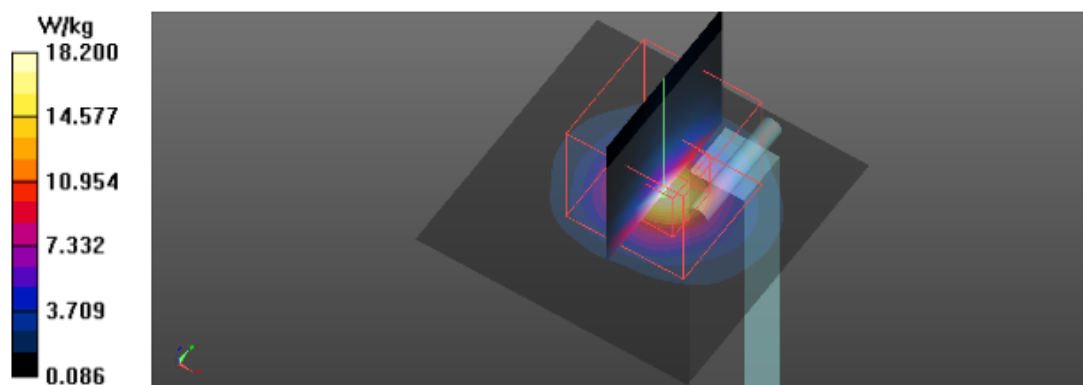
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 39.54 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 28.6 W/kg

SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 16.2 W/kg



Test Laboratory: BTL Inc.

Date: 04/18/2016

System Check_B5600_0418

DUT: Dipole D5GHzV2;SN;1160;

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.763$ S/m; $\epsilon_r = 48.435$; $\rho = 996$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °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: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- 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) = 21.8 W/kg

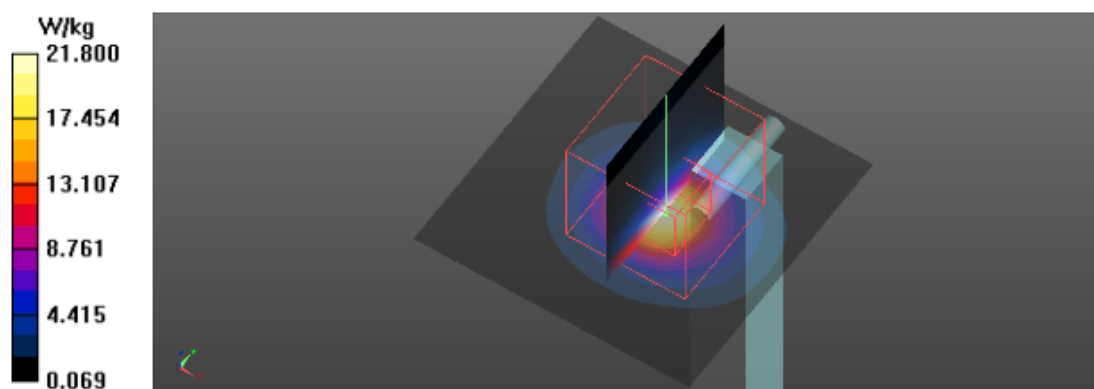
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 39.63 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 37.8 W/kg

SAR(1 g) = 8.17 W/kg; SAR(10 g) = 2.52 W/kg

Maximum value of SAR (measured) = 17.9 W/kg



Test Laboratory: BTL Inc.

Date: 04/18/2016

System Check_B5800_0418

DUT: Dipole D5GHzV2;SN;1160;

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

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.002$ S/m; $\epsilon_r = 48.153$; $\rho = 996$ kg/m³

Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °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: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- 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: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 36.56 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 32.9 W/kg

SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 16.2 W/kg

