

Test Laboratory: BTL Inc.

Date: 12/18/2015

System Check_B2450_1218

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; $\sigma = 1.984$ S/m; $\epsilon_r = 53.39$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(7.6, 7.6, 7.6); Calibrated: 01/30/2015;
- 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: 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) = 20.7 W/kg

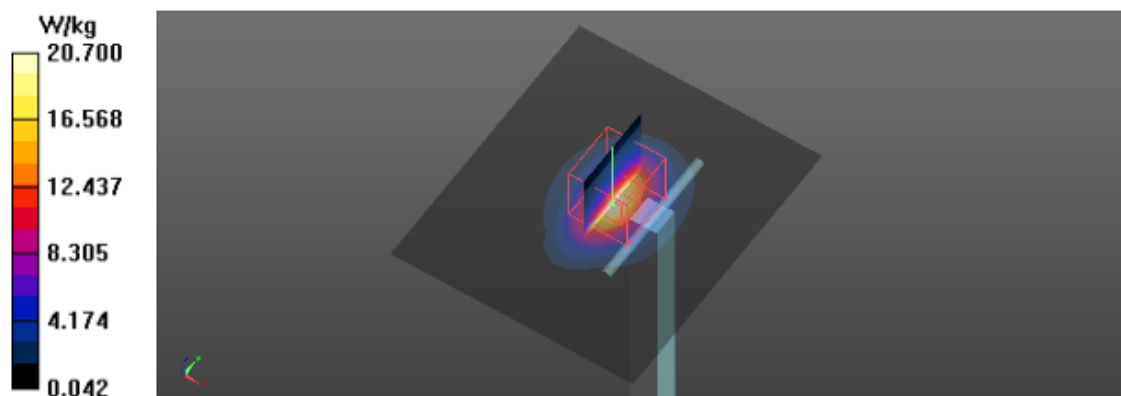
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 98.45 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 23.7 W/kg

SAR(1 g) = 12.67 W/kg; SAR(10 g) = 6.16 W/kg

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



Test Laboratory: BTL Inc.

Date: 12/18/2015

System Check_B5200_1218

DUT: Dipole D5GHzV2;SN;1160;

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

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.406$ S/m; $\epsilon_r = 47.7$; $\rho = 996$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(5.17, 5.17, 5.17); Calibrated: 01/30/2015;
- Sensor-Surface: 1.4mm (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 (5x5x1): Interpolated grid: dx=10 mm, dy=10 mm

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

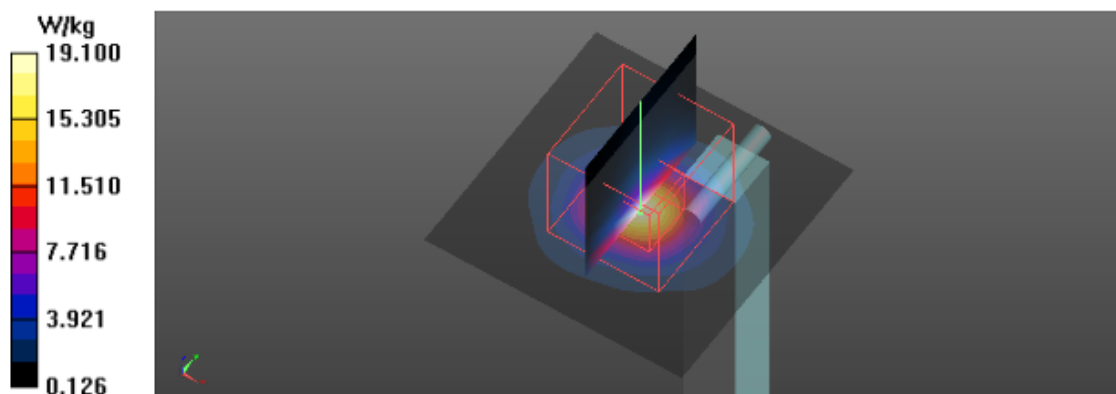
Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 41.35 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 32.3 W/kg

SAR(1 g) = 7.85 W/kg; SAR(10 g) = 2.35 W/kg

Maximum value of SAR (measured) = 15.8 W/kg



Date: 12/18/2015

DUT: Dipole D5GHzV2;SN;1160;

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.548$ S/m; $\epsilon_r = 47.5$; $\rho = 996$ kg/m³

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

- Probe: EX3DV4 - SN3932; ConvF(4.97, 4.97, 4.97); Calibrated: 01/30/2015;
- Sensor-Surface: 1.4mm (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 (5x5x1): Interpolated grid: dx=10 mm, dy=10 mm

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

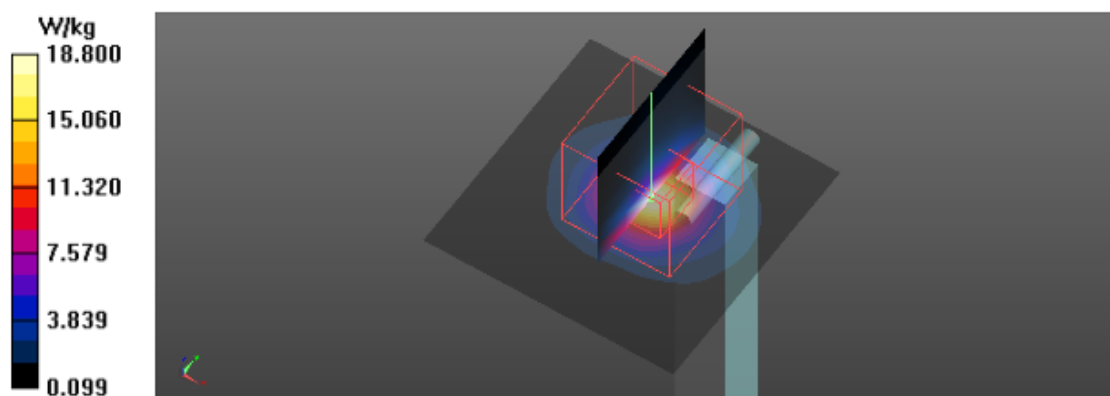
Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 37.81 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 34.5 W/kg

SAR(1 g) = 7.91 W/kg; SAR(10 g) = 2.37 W/kg

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



Test Laboratory: BTL Inc.

Date: 12/18/2015

System Check_B5600_1218

DUT: Dipole D5GHzV2;SN;1160;

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.912$ S/m; $\epsilon_r = 47.22$; $\rho = 996$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.47, 4.47, 4.47); Calibrated: 01/30/2015;
- Sensor-Surface: 1.4mm (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 (5x5x1): Interpolated grid: dx=10 mm, dy=10 mm

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

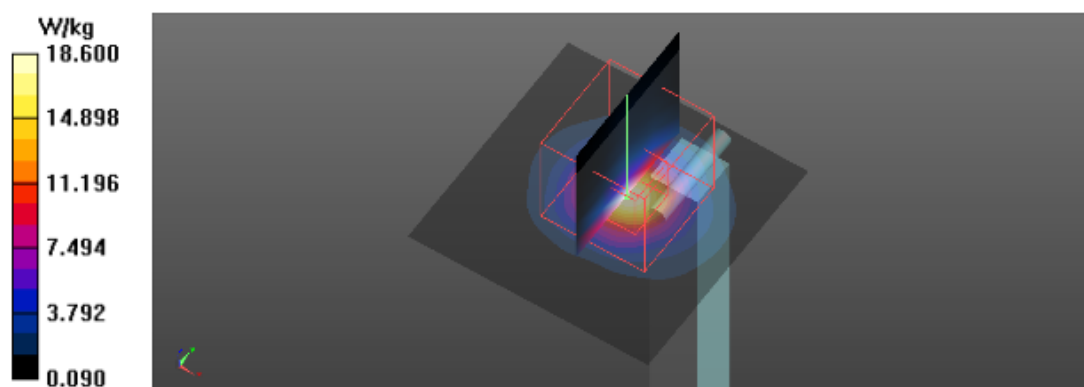
Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 36.17 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 35.1 W/kg

SAR(1 g) = 8.2 W/kg; SAR(10 g) = 2.34 W/kg

Maximum value of SAR (measured) = 16.1 W/kg



Test Laboratory: BTL Inc.

Date: 12/18/2015

System Check_B5800_1218

DUT: Dipole D5GHzV2;SN;1160;

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

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.871$ S/m; $\epsilon_r = 47.295$; $\rho = 996$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3932; ConvF(4.5, 4.5, 4.5); Calibrated: 01/30/2015;
- Sensor-Surface: 1.4mm (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 (5x5x1): Interpolated grid: dx=10 mm, dy=10 mm

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

Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 33.93 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 40.1 W/kg

SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.23 W/kg

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

