

Test Laboratory: BTL Inc. Date: 2018/11/6

System Check_H835_1106

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; $\sigma = 0.879$ S/m; $\epsilon_r = 42.137$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2018/5/11
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (6x13x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 3.49 W/kg

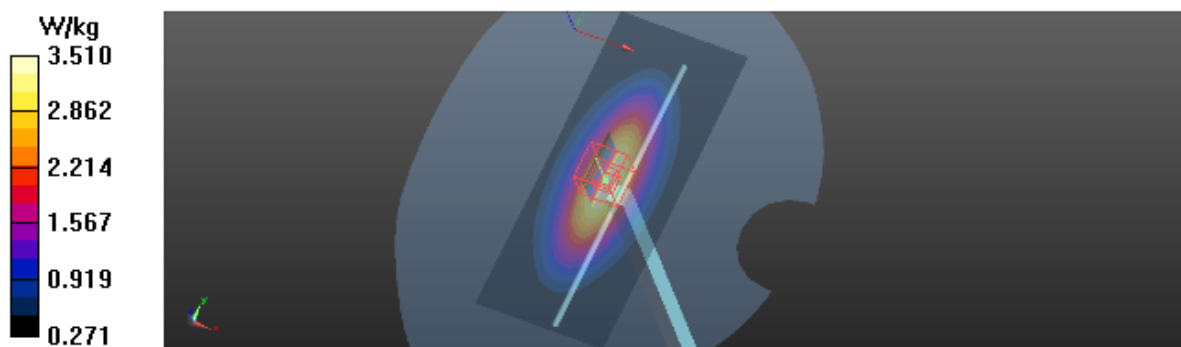
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 61.37 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.00 W/kg

SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.67 W/kg

Maximum value of SAR (measured) = 3.51 W/kg



System Check_H1750_1106

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; $\sigma = 1.36$ S/m; $\epsilon_r = 41.384$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(8.64, 8.64, 8.64); Calibrated: 2018/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2018/5/11
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (6x7x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 13.6 W/kg

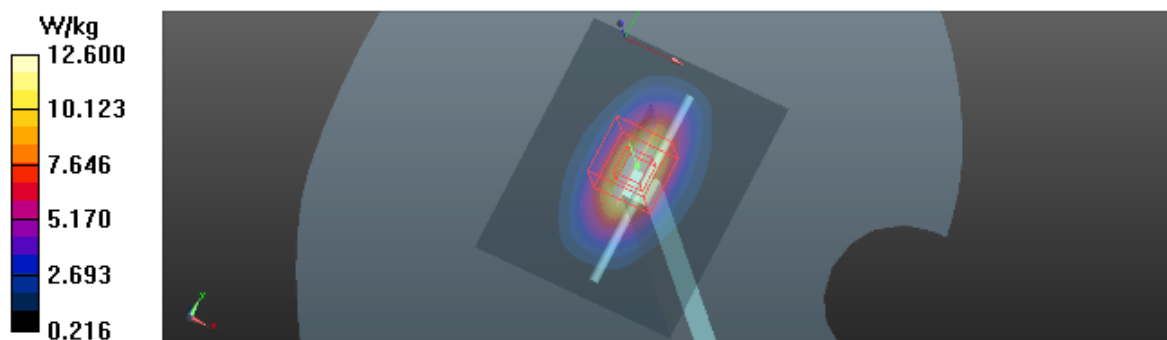
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 98.53 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 15.9 W/kg

SAR(1 g) = 8.89 W/kg; SAR(10 g) = 4.7 W/kg

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



System Check_H1900_1107

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; $\sigma = 1.432$ S/m; $\epsilon_r = 39.194$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(8.2, 8.2, 8.2); Calibrated: 2018/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2018/5/11
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (6x7x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 17.5 W/kg

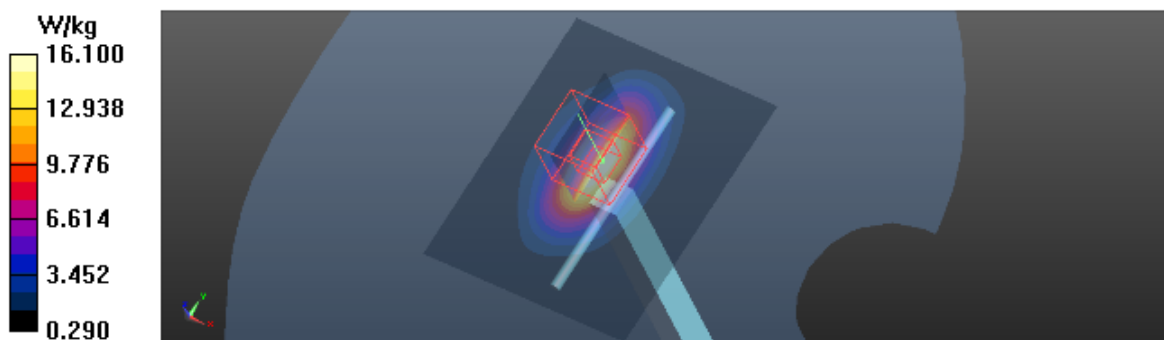
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 96.84 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 19.0 W/kg

SAR(1 g) = 9.61 W/kg; SAR(10 g) = 5.56 W/kg

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



System Check_H2450_1122

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; $\sigma = 1.843$ S/m; $\epsilon_r = 38.092$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.8, 7.8, 7.8); Calibrated: 2018/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2018/5/11
- 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) = 17.2 W/kg

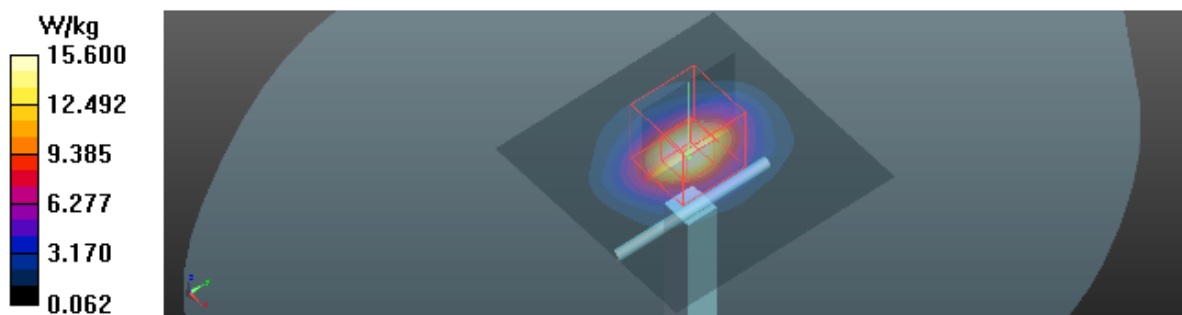
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 104.0 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 30.0 W/kg

SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.29 W/kg

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



System Check_H2600_1107

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; $\epsilon_r = 38.836$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.5, 7.5, 7.5); Calibrated: 2018/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2018/5/11
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (7x8x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 23.3 W/kg

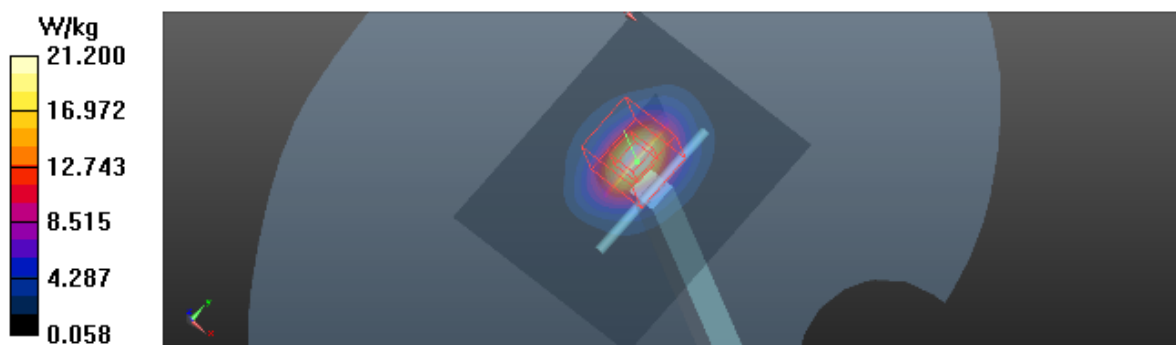
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 99.18 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 29.1 W/kg

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 5.86 W/kg

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



System Check_B835_1108

DUT: Dipole 835 MHz D835V2;SN:4d160;

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.981 \text{ S/m}$; $\epsilon_r = 54.448$; $\rho = 1000 \text{ kg/m}^3$

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

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(9.89, 9.89, 9.89); Calibrated: 2018/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2018/5/11
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (7x13x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$

Maximum value of SAR (interpolated) = 3.15 W/kg

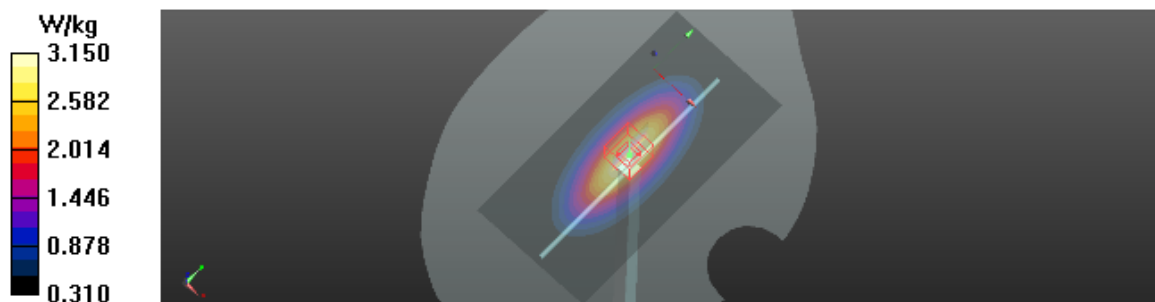
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 57.78 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.62 W/kg

SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.69 W/kg

Maximum value of SAR (measured) = 3.15 W/kg



System Check_H1750_1109

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; $\sigma = 1.53$ S/m; $\epsilon_r = 53.773$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(8.2, 8.2, 8.2); Calibrated: 2018/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2018/5/11
- Phantom: SAM Front; Type: Twin SAM; Serial: 1784
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Area Scan (6x7x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm

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

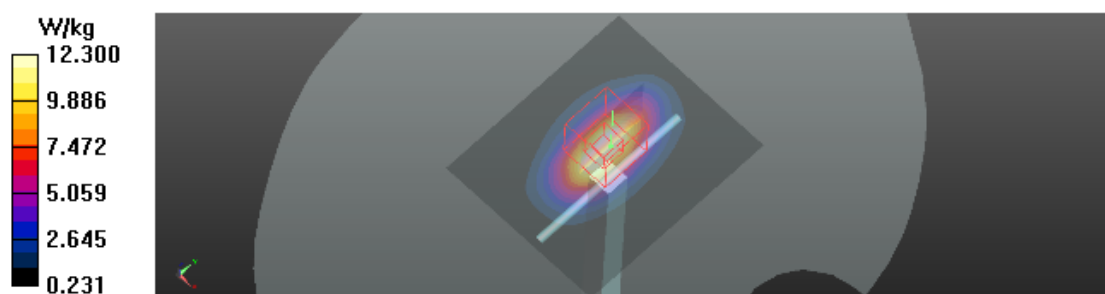
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 89.22 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 8.89 W/kg; SAR(10 g) = 4.73 W/kg

Maximum value of SAR (measured) = 12.3 W/kg



System Check_B1900_1110

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; $\sigma = 1.561$ S/m; $\epsilon_r = 54.788$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.96, 7.96, 7.96); Calibrated: 2018/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2018/5/11
- Phantom: SAM Right; Type: Twin SAM; Serial: 1896
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

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

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

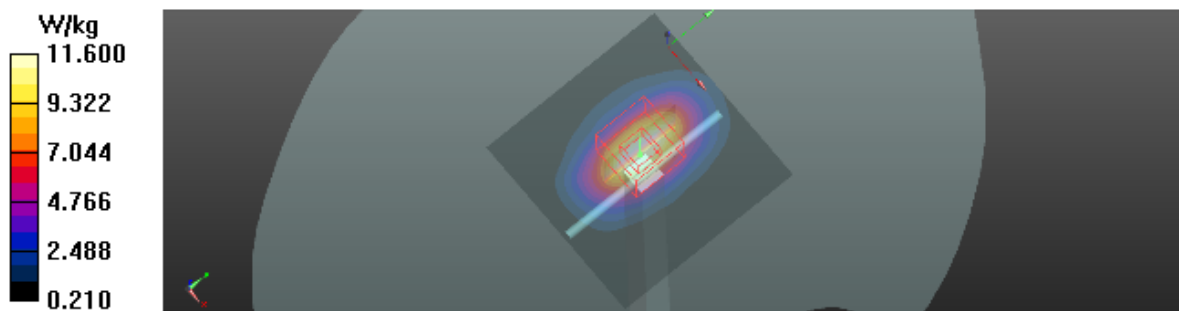
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 96.12 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.49 W/kg

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



System Check_B2450_1121

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; $\sigma = 1.985$ S/m; $\epsilon_r = 54.284$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2018/5/11
- 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) = 21.1 W/kg

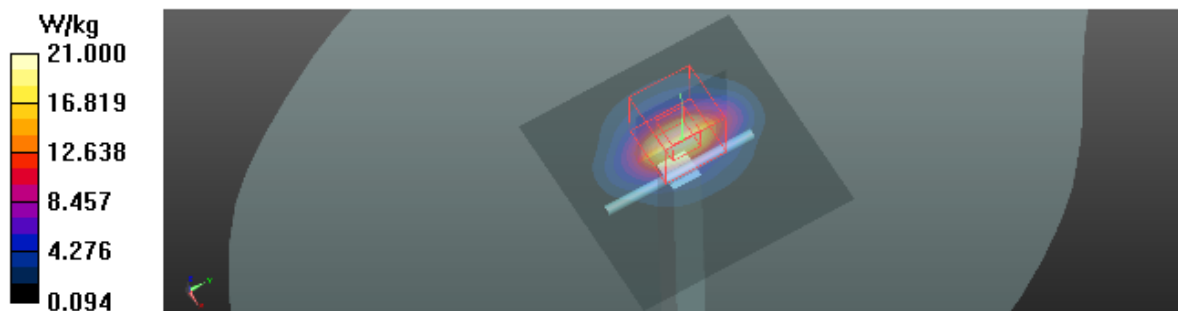
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 83.44 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 25.3 W/kg

SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.82 W/kg

Maximum value of SAR (measured) = 21.0 W/kg



Test Laboratory: BTL Inc. Date: 2018/11/11

System Check_B2600_1111

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; $\sigma = 2.205$ S/m; $\epsilon_r = 52.277$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN7396; ConvF(7.3, 7.3, 7.3); Calibrated: 2018/5/29;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2018/5/11
- 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) = 21.9 W/kg

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

Reference Value = 94.84 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 29.1 W/kg

SAR(1 g) = 13.6 W/kg; SAR(10 g) = 5.93 W/kg

Maximum value of SAR (measured) = 23.4 W/kg

