

Test Laboratory: BTL Inc. Date: 2019/9/21

System Check_H750_0921

DUT: Dipole 750 MHz D750V3;SN:1095;

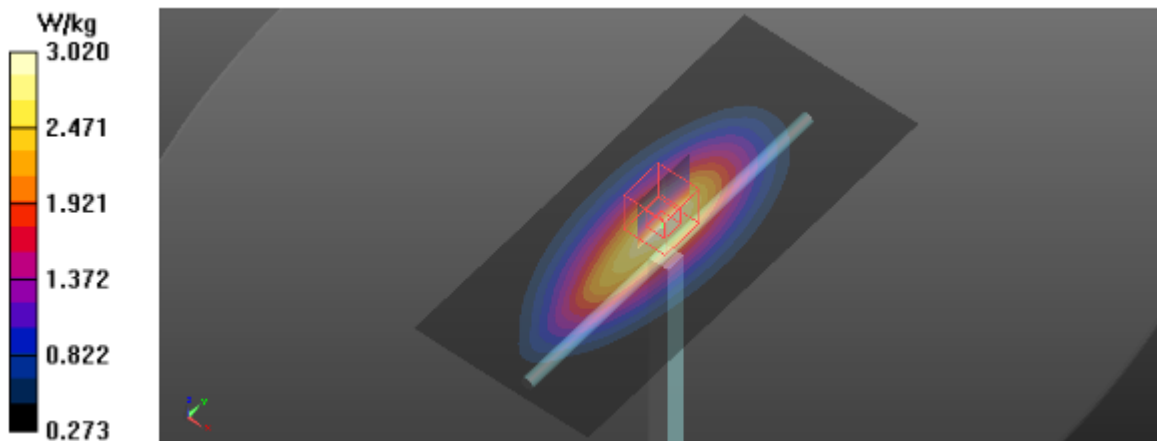
Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.895 \text{ S/m}$; $\epsilon_r = 41.493$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature: $23.2 \text{ }^\circ\text{C}$; Liquid Temperature: $22.4 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN3685; ConvF(8.74, 8.74, 8.74) @ 750 MHz; Calibrated: 2019/1/24
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x15x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$
Maximum value of SAR (interpolated) = 3.02 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 56.62 V/m ; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.42 W/kg
SAR(1 g) = 2.21 W/kg ; SAR(10 g) = 1.47 W/kg
Maximum value of SAR (measured) = 3.02 W/kg



Test Laboratory: BTL Inc. Date: 2019/9/22

System Check_H835_0922**DUT: Dipole 835 MHz D835V2;**

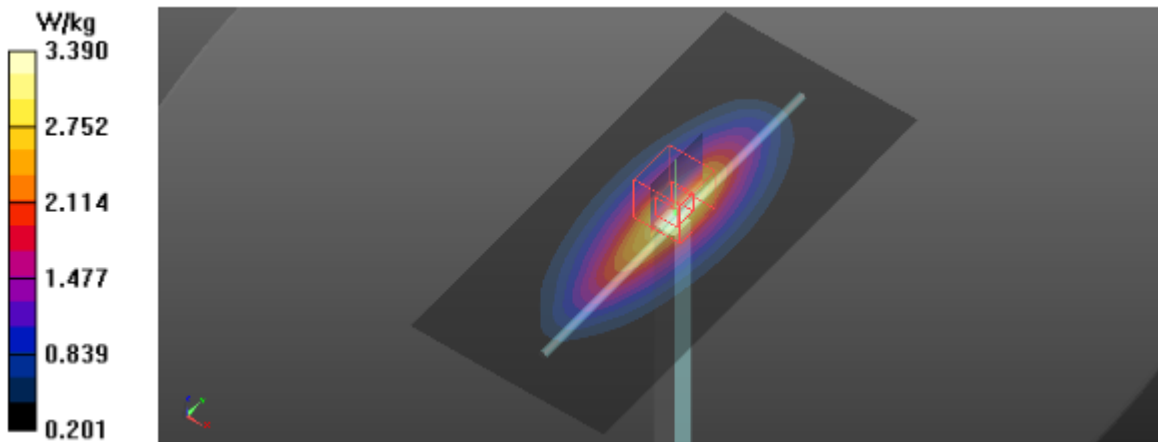
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 42.907$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.1 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3685; ConvF(8.57, 8.57, 8.57) @ 835 MHz; Calibrated: 2019/3/25
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x14x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 3.39 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 58.42 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.94 W/kg
SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.51 W/kg
Maximum value of SAR (measured) = 3.39 W/kg



Test Laboratory: BTL Inc. Date: 2019/9/30

System Check_H900_0930**DUT: Dipole 900 MHz D900V2;**

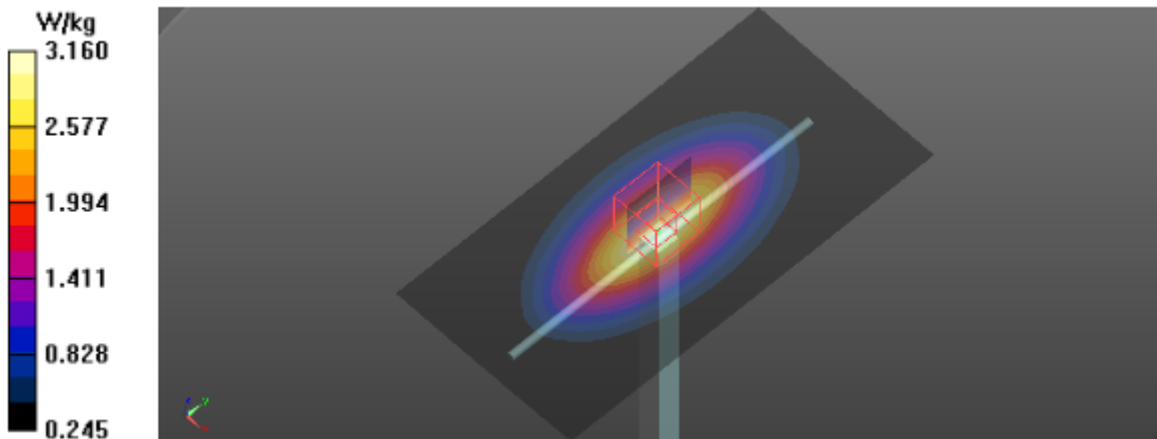
Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 900$ MHz; $\sigma = 0.947$ S/m; $\epsilon_r = 41.444$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(10.14, 10.14, 10.14) @ 900 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn878; Calibrated: 2018/12/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x13x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 3.19 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 59.20 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.6 W/kg
Maximum value of SAR (measured) = 3.16 W/kg



Test Laboratory: BTL Inc. Date: 2019/9/21

System Check_H1750_0921**DUT: Dipole 1750 MHz D1750V2;**

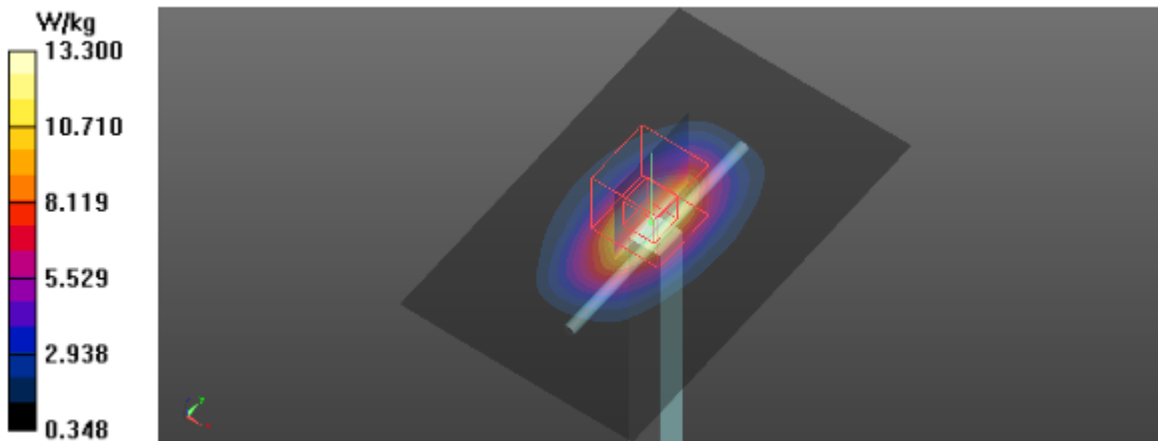
Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 39.355$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3685; ConvF(7.5, 7.5, 7.5) @ 1750 MHz; Calibrated: 2019/3/25
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x9x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 13.5 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 94.13 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 15.4 W/kg
SAR(1 g) = 9.02 W/kg; SAR(10 g) = 4.96 W/kg
Maximum value of SAR (measured) = 13.3 W/kg



Test Laboratory: BTL Inc. Date: 2019/10/9

System Check_H1750_1009

DUT: Dipole 1750 MHz D1750V2;

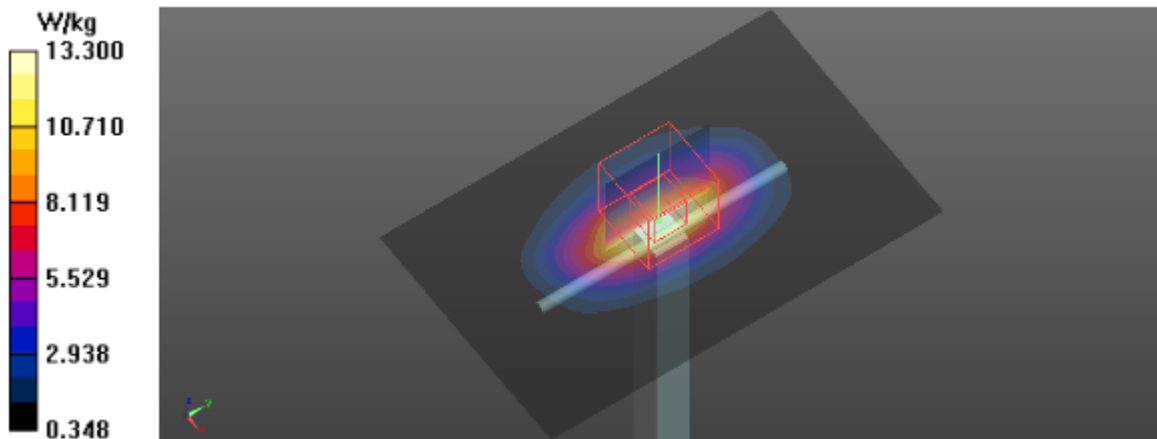
Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 39.346$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.54, 8.54, 8.54) @ 1750 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn878; Calibrated: 2018/12/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x9x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 13.5 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 94.13 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 15.4 W/kg
SAR(1 g) = 9.08 W/kg; SAR(10 g) = 5.01 W/kg
Maximum value of SAR (measured) = 13.3 W/kg



Test Laboratory: BTL Inc. Date: 2019/9/19

System Check_H1900_0919**DUT: Dipole 1900 MHz D1900V2;**

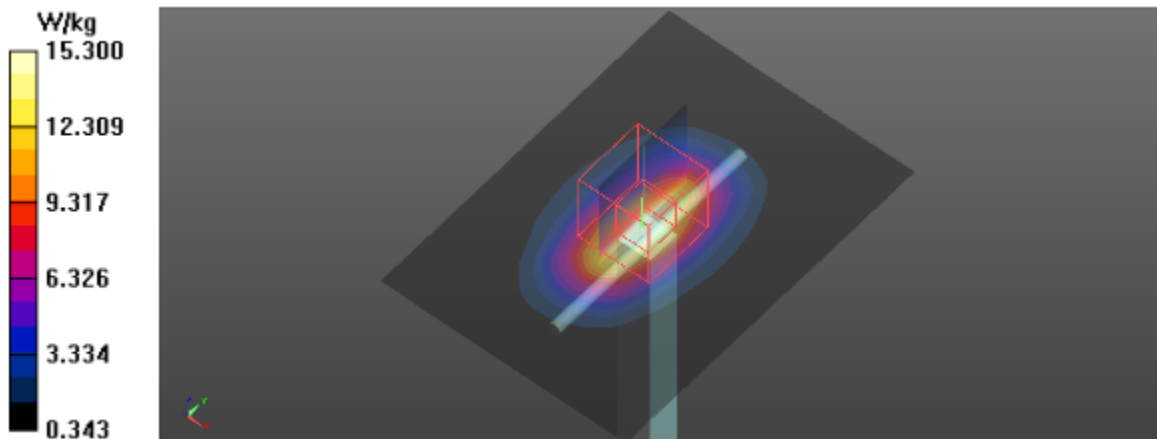
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 39.598$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3685; ConvF(7.21, 7.21, 7.21) @ 1900 MHz; Calibrated: 2019/3/25
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 16.5 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 102.4 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 18.0 W/kg
SAR(1 g) = 10 W/kg; SAR(10 g) = 5.35 W/kg
Maximum value of SAR (measured) = 15.3 W/kg



Test Laboratory: BTL Inc. Date: 2019/10/9

System Check_H1900_1009

DUT: Dipole 1900 MHz D1900V2;

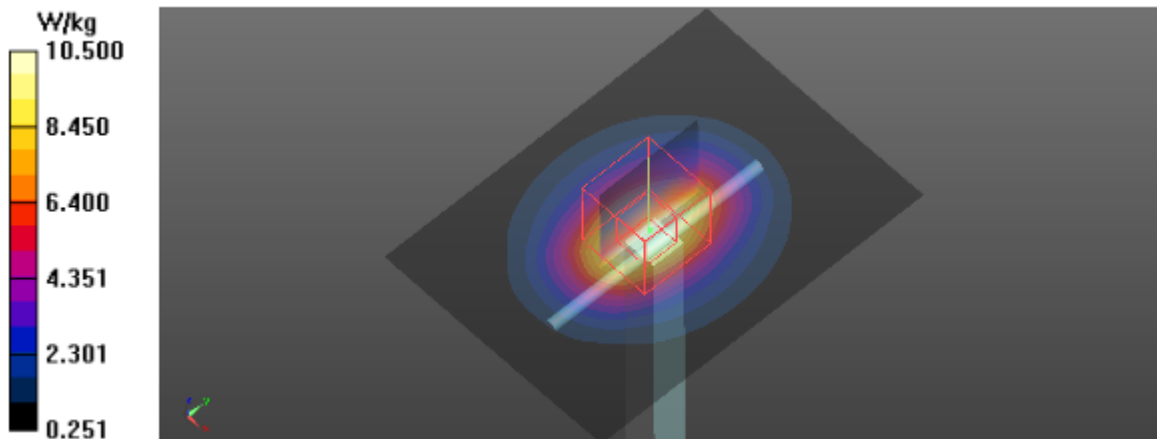
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.379$ S/m; $\epsilon_r = 39.607$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.26, 8.26, 8.26) @ 1900 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn878; Calibrated: 2018/12/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 11.3 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 87.59 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 16.1 W/kg
SAR(1 g) = 9.54 W/kg; SAR(10 g) = 5.36 W/kg
Maximum value of SAR (measured) = 10.5 W/kg



Test Laboratory: BTL Inc. Date: 2019/9/23

System Check_H2450_0923

DUT: Dipole 2450 MHz D2450V2;SN:919;

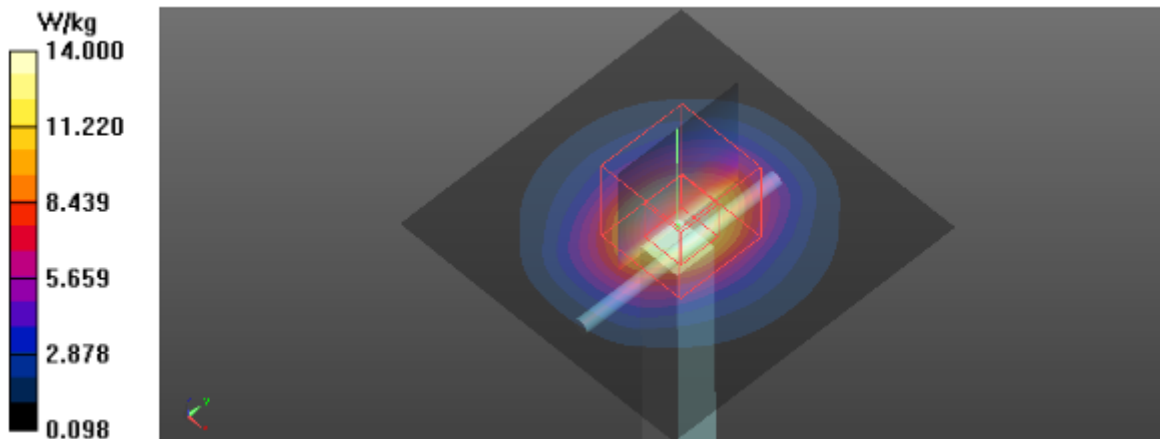
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.874$ S/m; $\epsilon_r = 38.304$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.1 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.58, 7.58, 7.58) @ 2450 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn878; Calibrated: 2018/12/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x7x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (interpolated) = 15.5 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 86.46 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 24.7 W/kg
SAR(1 g) = 12.6 W/kg; SAR(10 g) = 6.28 W/kg
Maximum value of SAR (measured) = 14.0 W/kg



Test Laboratory: BTL Inc. Date: 2019/10/9

System Check_H2600_1009

DUT: Dipole 2600 MHz D2600V2;

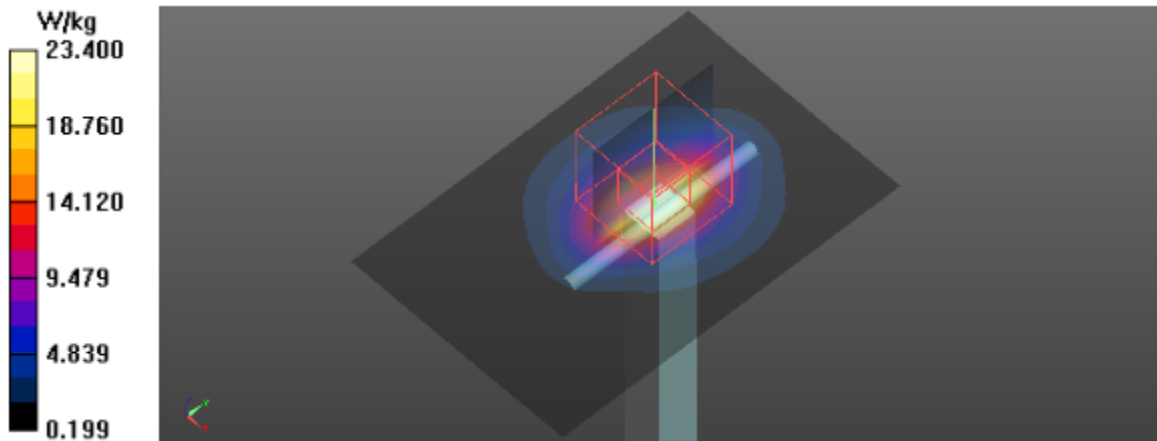
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.048$ S/m; $\epsilon_r = 37.722$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3685; ConvF(6.47, 6.47, 6.47) @ 2600 MHz; Calibrated: 2019/3/25
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (interpolated) = 25.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 93.73 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 29.2 W/kg
SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.24 W/kg
Maximum value of SAR (measured) = 23.4 W/kg



Test Laboratory: BTL Inc. Date: 2019/9/27

System Check_H5200_0927**DUT: Dipole D5GHzV2;SN;1160;**

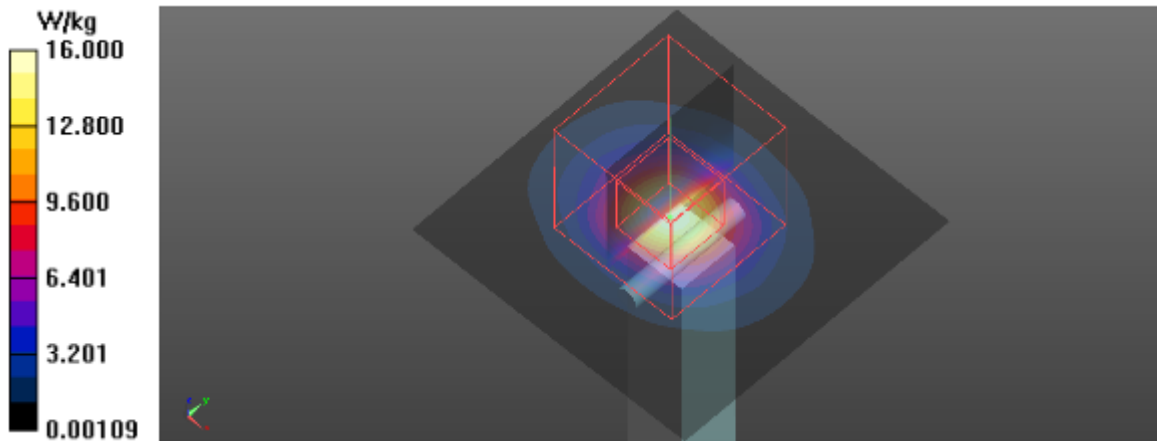
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 4.7$ S/m; $\epsilon_r = 36.164$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(5.54, 5.54, 5.54) @ 5200 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn878; Calibrated: 2018/12/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 16.2 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 60.32 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 33.0 W/kg
SAR(1 g) = 7.56 W/kg; SAR(10 g) = 2.19 W/kg
Maximum value of SAR (measured) = 16.0 W/kg



Test Laboratory: BTL Inc. Date: 2019/9/27

System Check_H5300_0927**DUT: Dipole D5GHzV2;SN;1160;**

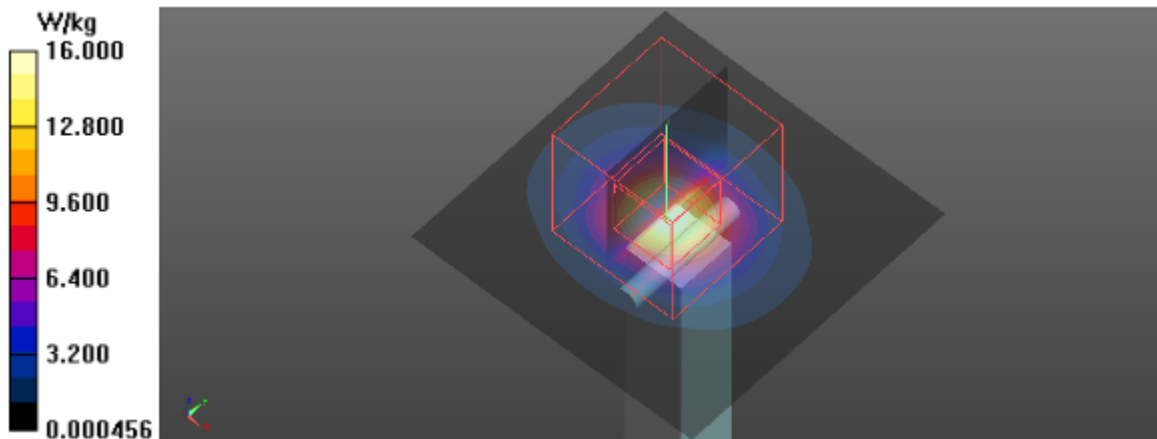
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5300$ MHz; $\sigma = 4.813$ S/m; $\epsilon_r = 35.914$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(5.21, 5.21, 5.21) @ 5300 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn878; Calibrated: 2018/12/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 16.4 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 59.43 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 33.7 W/kg
SAR(1 g) = 7.52 W/kg; SAR(10 g) = 2.17 W/kg
Maximum value of SAR (measured) = 16.0 W/kg



Test Laboratory: BTL Inc. Date: 2019/9/27

System Check_H5500_0927**DUT: Dipole D5GHzV2;**

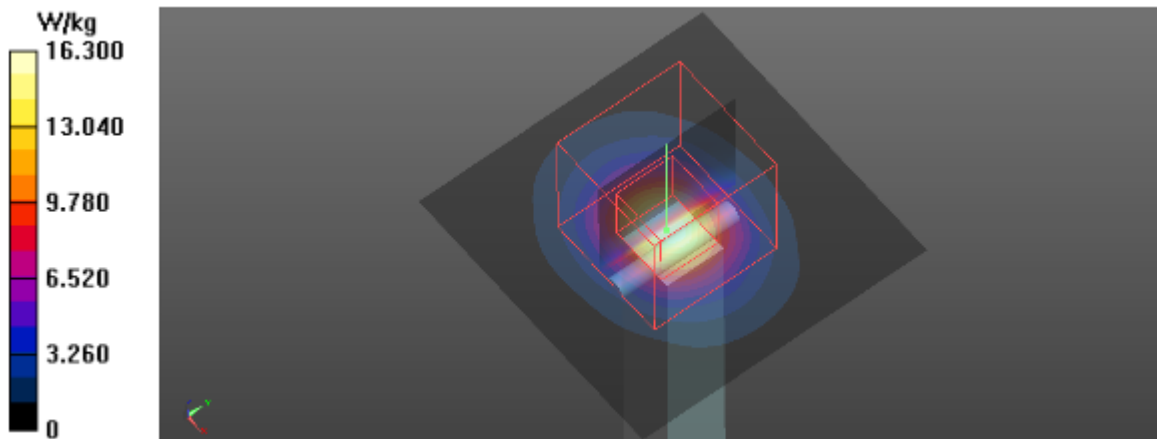
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5500$ MHz; $\sigma = 5.037$ S/m; $\epsilon_r = 35.468$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.95, 4.95, 4.95) @ 5500 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn878; Calibrated: 2018/12/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 16.7 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 59.46 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 36.8 W/kg
SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.21 W/kg
Maximum value of SAR (measured) = 16.3 W/kg



Test Laboratory: BTL Inc. Date: 2019/9/27

System Check_H5600_0927**DUT: Dipole D5GHzV2;**

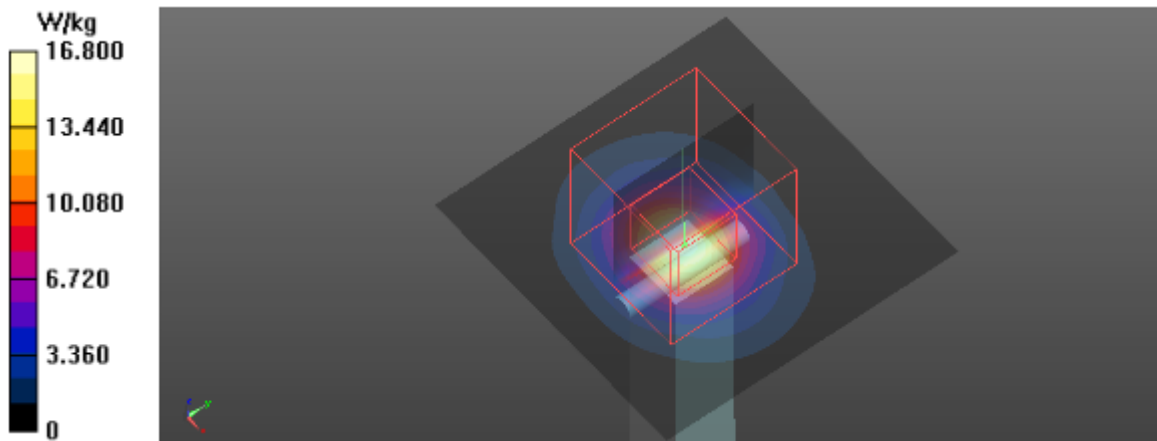
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.155$ S/m; $\epsilon_r = 35.239$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.81, 4.81, 4.81) @ 5600 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn878; Calibrated: 2018/12/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 16.4 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 55.97 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 37.6 W/kg
SAR(1 g) = 7.85 W/kg; SAR(10 g) = 2.22 W/kg
Maximum value of SAR (measured) = 16.8 W/kg



Test Laboratory: BTL Inc. Date: 2019/9/27

System Check_H5800_0927**DUT: Dipole D5GHzV2;SN;1160;**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.408$ S/m; $\epsilon_r = 34.799$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.75, 4.75, 4.75) @ 5800 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn878; Calibrated: 2018/12/12
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 16.3 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 56.53 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 37.8 W/kg
SAR(1 g) = 7.47 W/kg; SAR(10 g) = 2.11 W/kg
Maximum value of SAR (measured) = 16.2 W/kg

