

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

### System Check\_H750\_0921

**DUT: Dipole 750 MHz D750V3;SN:1095;**

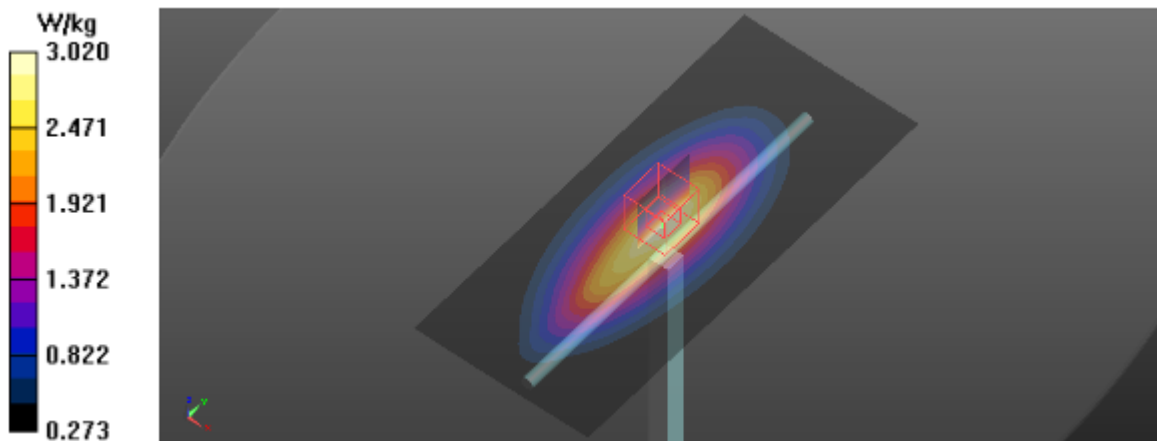
Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.895 \text{ S/m}$ ;  $\epsilon_r = 41.493$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature:  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.4 \text{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

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) =  $3.02 \text{ W/kg}$

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



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

### System Check\_H835\_0922

**DUT: Dipole 835 MHz D835V2;**

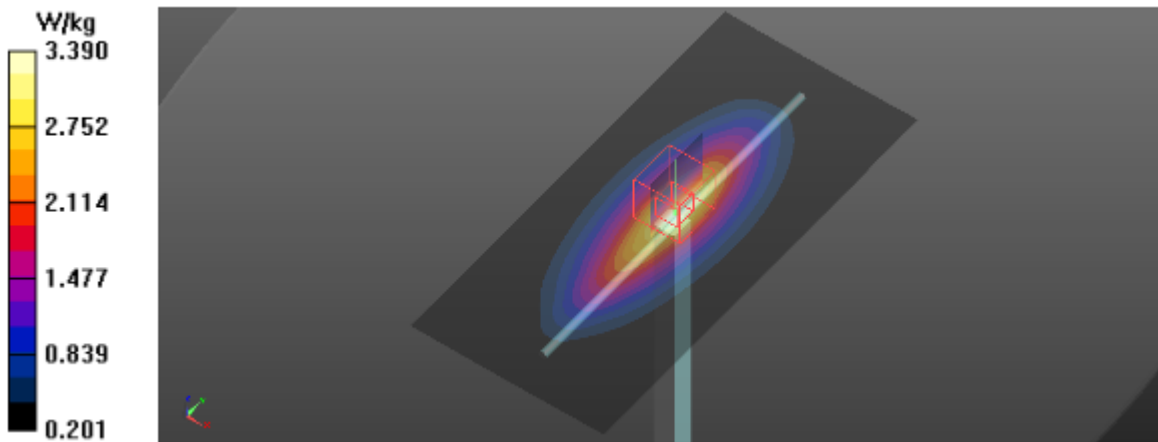
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.934 \text{ S/m}$ ;  $\epsilon_r = 42.907$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature:  $23.1 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.5 \text{ }^\circ\text{C}$

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:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$   
Maximum value of SAR (interpolated) =  $3.39 \text{ W/kg}$

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



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

### System Check\_H900\_0930

**DUT: Dipole 900 MHz D900V2;**

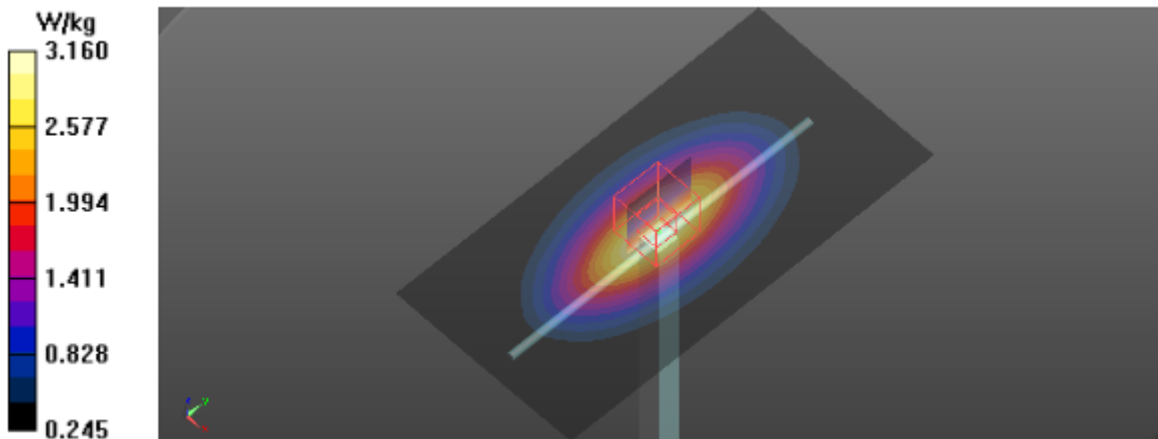
Communication System: UID 0, CW (0); Frequency: 900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 900 \text{ MHz}$ ;  $\sigma = 0.947 \text{ S/m}$ ;  $\epsilon_r = 41.444$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature:  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.4 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - 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:  $dx=15 \text{ mm}$ ,  $dy=15 \text{ mm}$   
Maximum value of SAR (interpolated) =  $3.19 \text{ W/kg}$

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



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

### System Check\_H1750\_0921

#### DUT: Dipole 1750 MHz D1750V2;

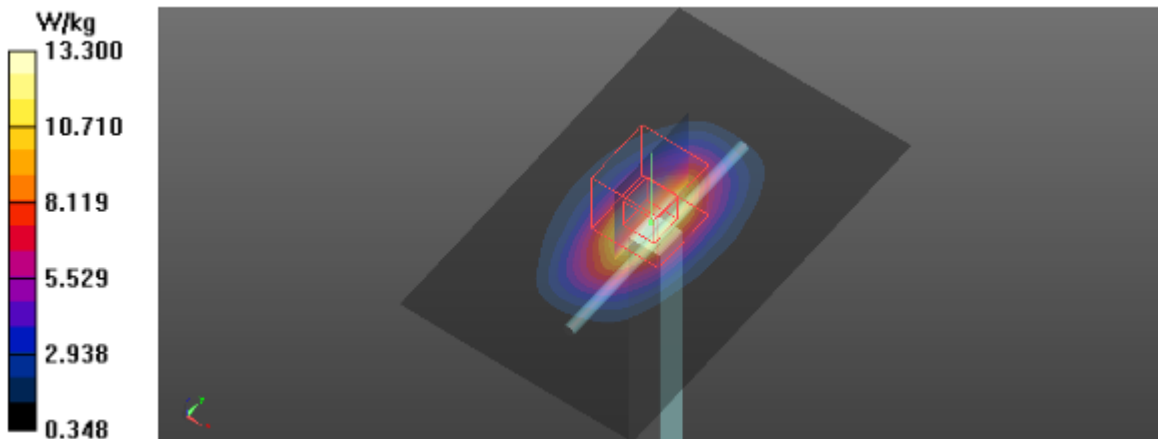
Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.398$  S/m;  $\epsilon_r = 39.355$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

#### 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;

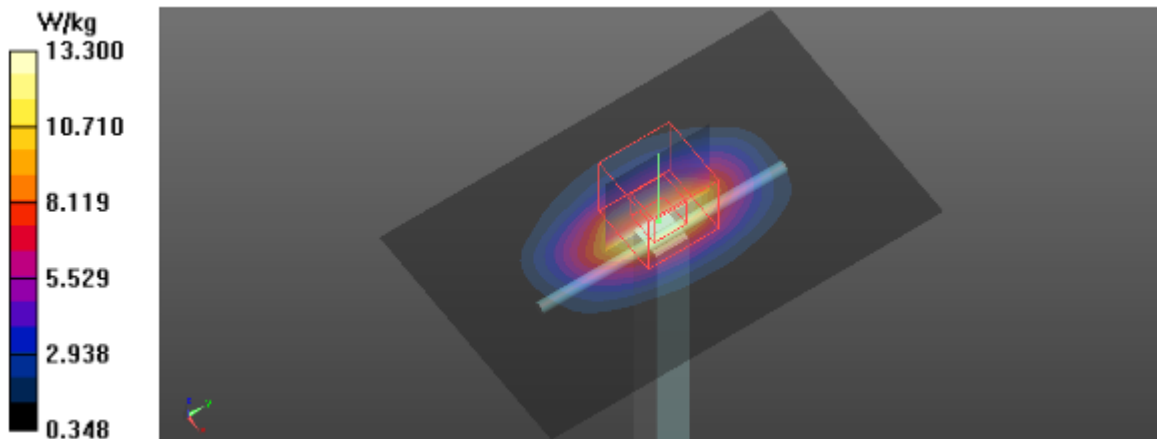
Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.399$  S/m;  $\epsilon_r = 39.346$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

#### 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;**

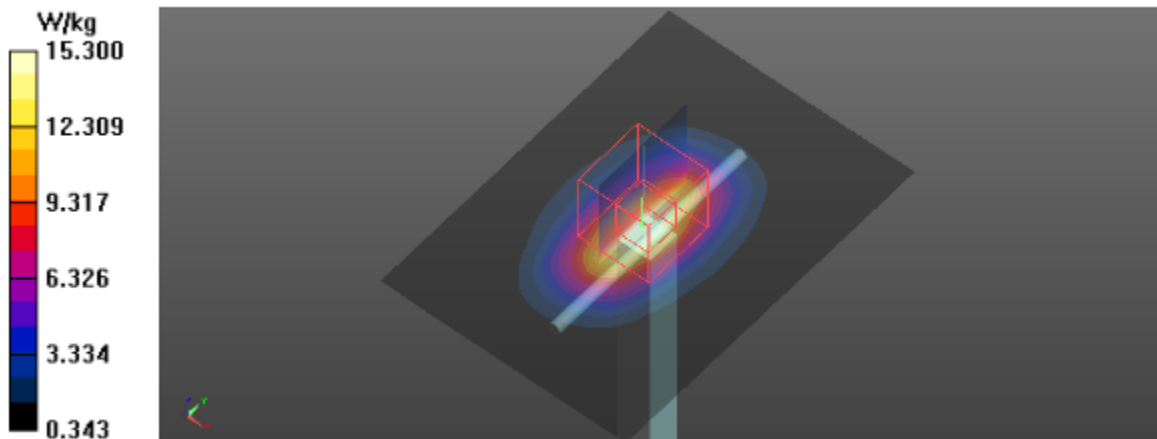
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.38$  S/m;  $\epsilon_r = 39.598$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

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;**

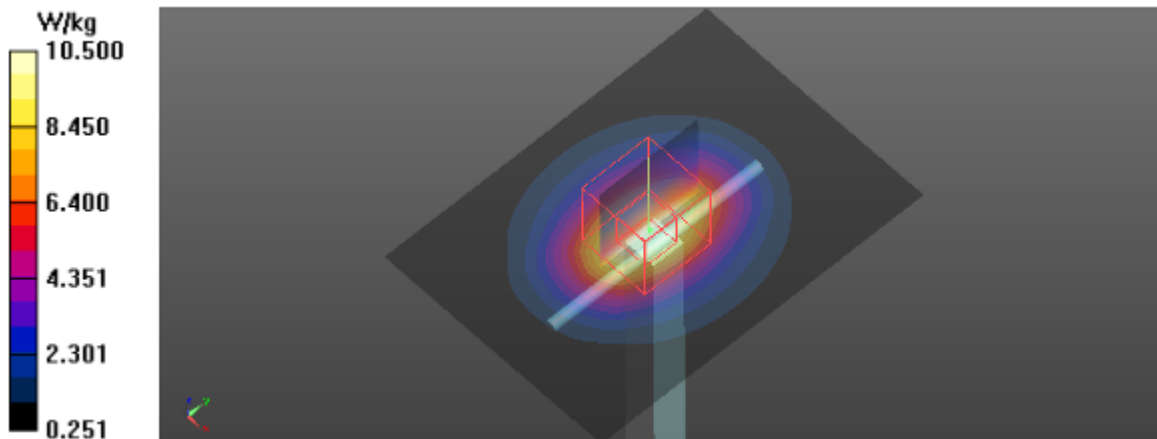
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.379$  S/m;  $\epsilon_r = 39.607$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

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;**

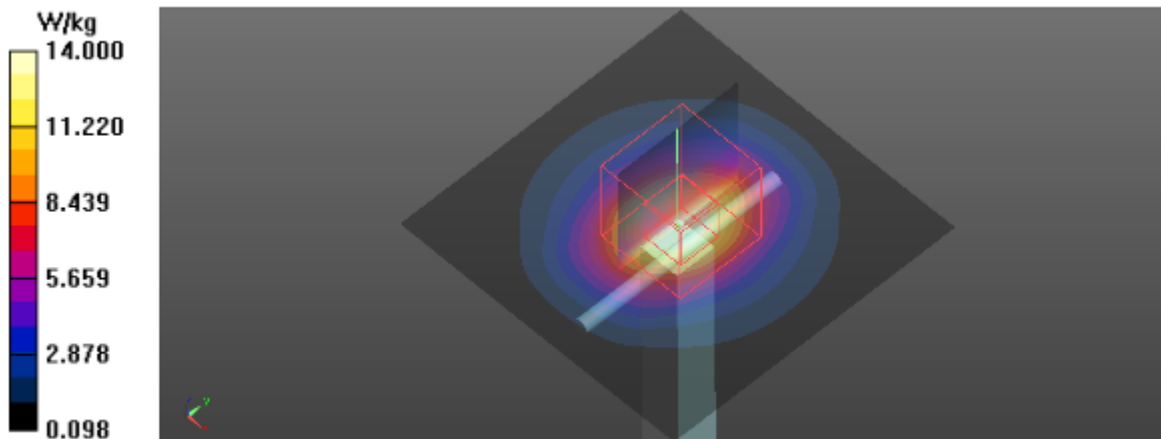
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.874$  S/m;  $\epsilon_r = 38.304$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.1 °C; Liquid Temperature: 22.4 °C

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;**

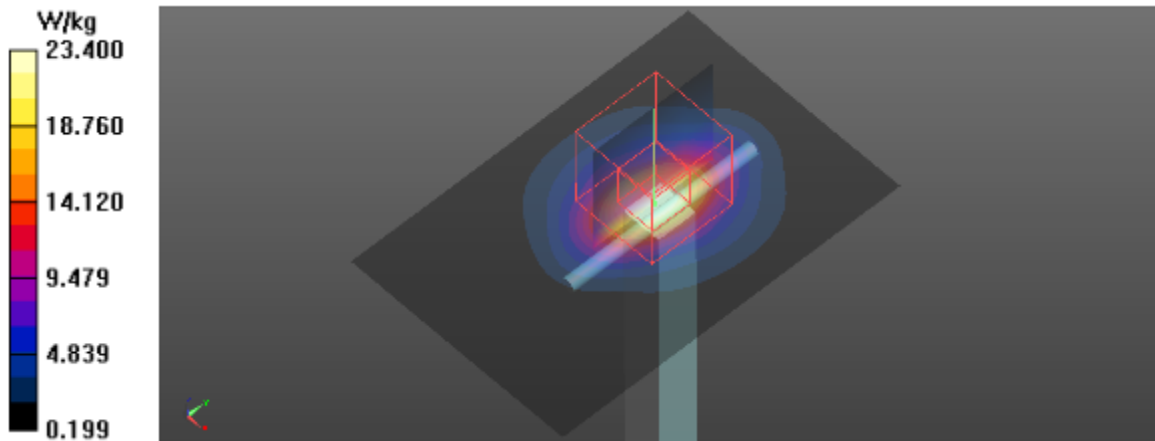
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2600$  MHz;  $\sigma = 2.048$  S/m;  $\epsilon_r = 37.722$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

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;**

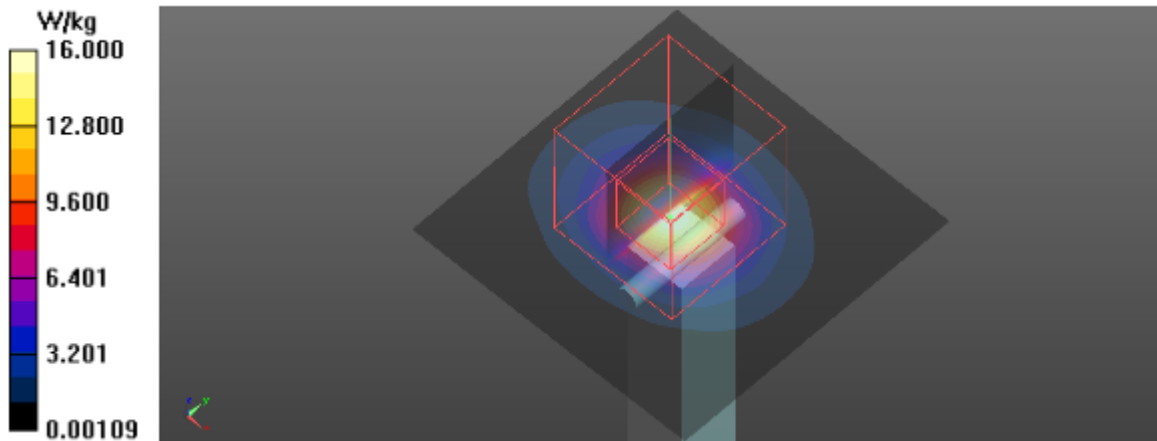
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.7$  S/m;  $\epsilon_r = 36.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

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;**

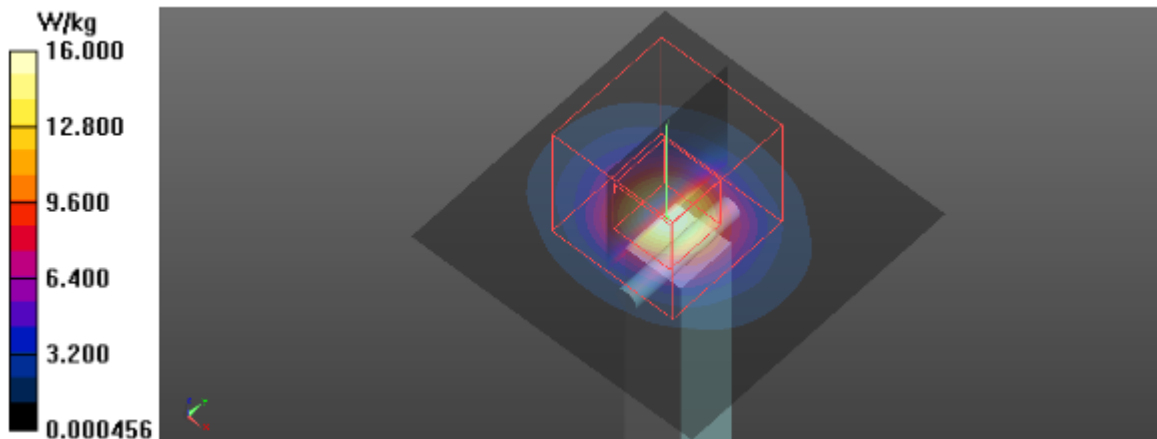
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5300$  MHz;  $\sigma = 4.813$  S/m;  $\epsilon_r = 35.914$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

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;

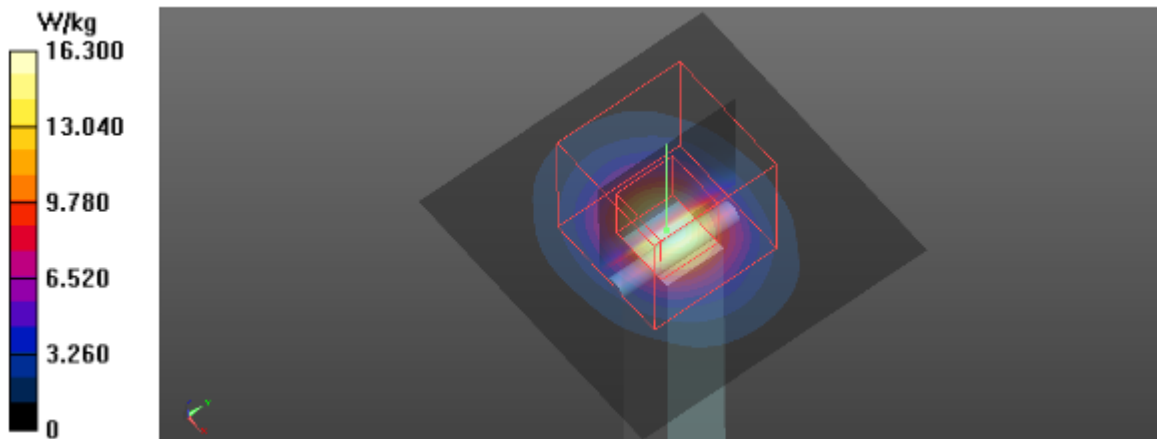
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.037$  S/m;  $\epsilon_r = 35.468$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

#### 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;

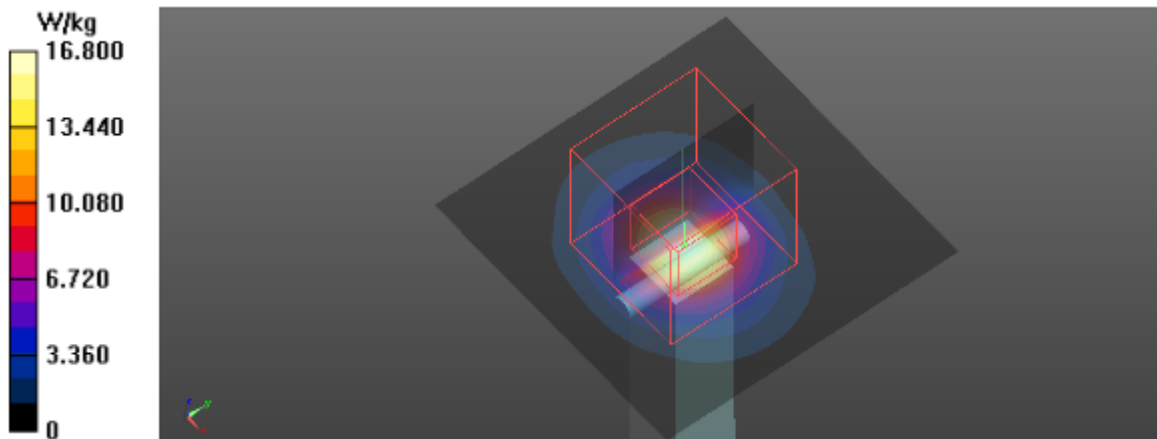
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.155$  S/m;  $\epsilon_r = 35.239$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.3 °C

#### 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/m<sup>3</sup>  
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

