

Test Laboratory: BTL Inc.

Date: 2020/03/25

## System Check\_H2450\_0325

**DUT: Dipole 2450 MHz D2450V2;SN:919;**

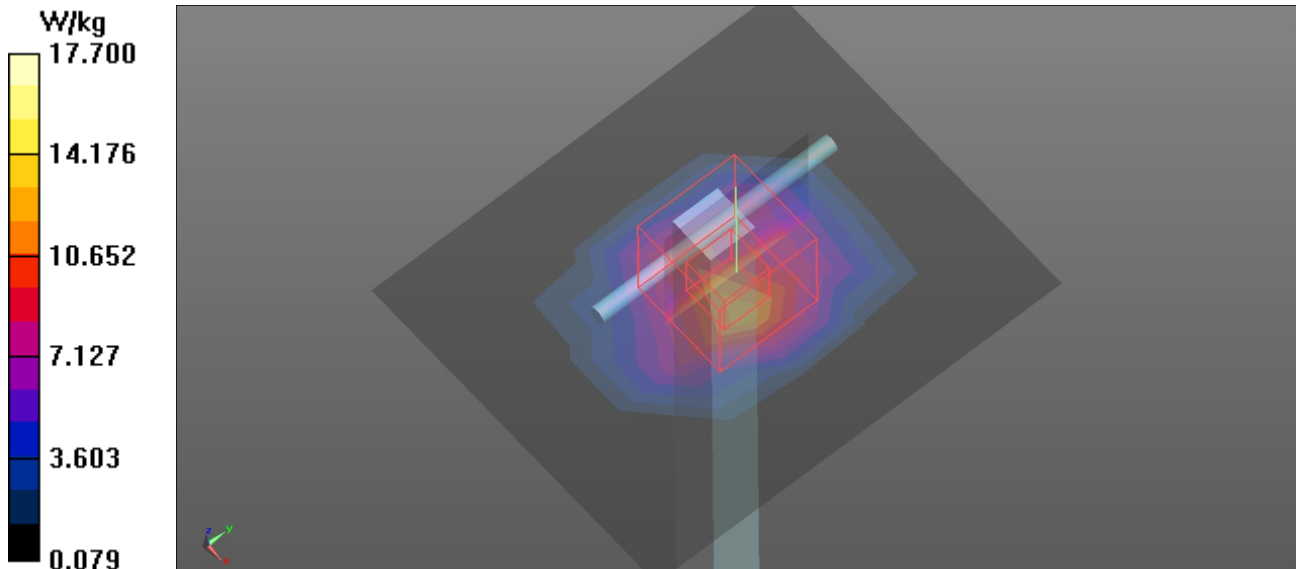
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.878$  S/m;  $\epsilon_r = 37.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.5, 4.5, 4.5) @ 2450 MHz; Calibrated: 2019/4/12
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- 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 (9x17x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 13.0 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 113.4 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 28.3 W/kg  
**SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.34 W/kg**  
Maximum value of SAR (measured) = 17.7 W/kg



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### System Check\_H5200\_0320

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

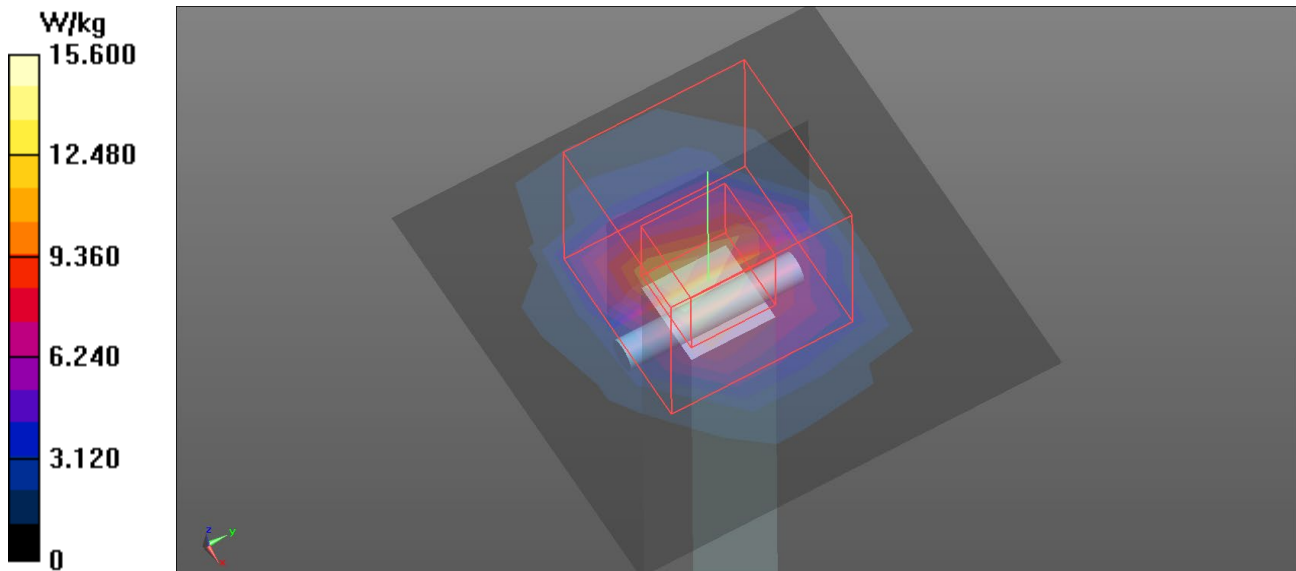
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.703$  S/m;  $\epsilon_r = 36.197$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

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 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (6x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 11.4 W/kg

**Zoom Scan (7x7x6)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 58.82 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 31.7 W/kg  
**SAR(1 g) = 7.29 W/kg; SAR(10 g) = 2.09 W/kg**  
Maximum value of SAR (measured) = 15.6 W/kg



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### System Check\_H5300\_0320

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

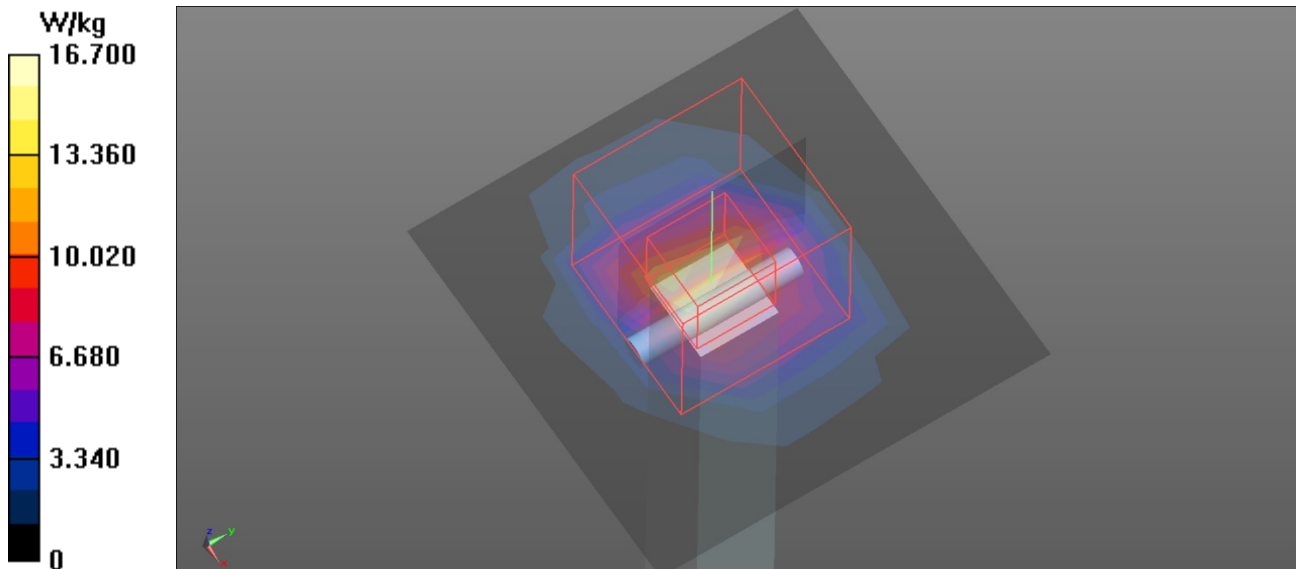
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5300$  MHz;  $\sigma = 4.815$  S/m;  $\epsilon_r = 35.945$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.1 °C; Liquid Temperature: 22.5 °C

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 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (6x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 11.8 W/kg

**Zoom Scan (7x7x6)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 60.62 V/m; Power Drift = 0.14 dB  
Peak SAR (extrapolated) = 35.4 W/kg  
**SAR(1 g) = 7.85 W/kg; SAR(10 g) = 2.23 W/kg**  
Maximum value of SAR (measured) = 16.7 W/kg



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### System Check\_H5500\_0320

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

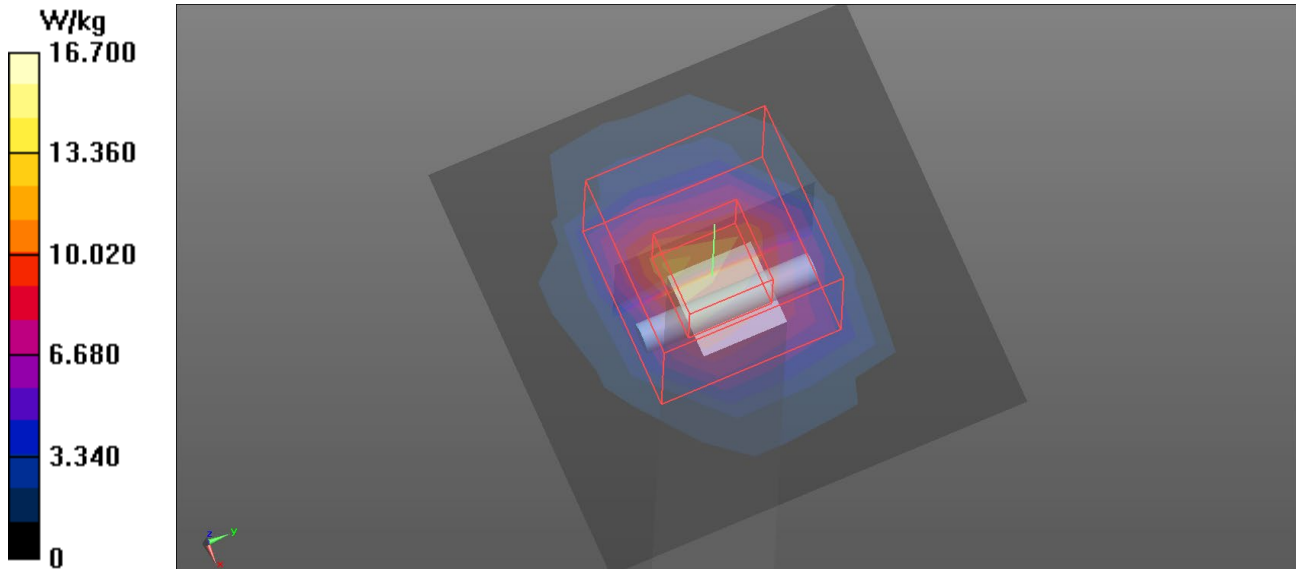
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.037$  S/m;  $\epsilon_r = 35.487$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.4 °C

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 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (6x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 11.7 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 58.82 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 36.8 W/kg  
**SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.19 W/kg**  
Maximum value of SAR (measured) = 16.7 W/kg



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### System Check\_H5800\_0320

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

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.411$  S/m;  $\epsilon_r = 34.839$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.3 °C; Liquid Temperature: 22.1 °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 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (6x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm  
Maximum value of SAR (measured) = 12.0 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 56.60 V/m; Power Drift = 0.11 dB  
Peak SAR (extrapolated) = 39.9 W/kg  
**SAR(1 g) = 7.63 W/kg; SAR(10 g) = 2.13 W/kg**  
Maximum value of SAR (measured) = 16.5 W/kg

