

Test Laboratory: BTL Inc.

Date: 2021/3/15

## System Check\_H2450\_0315

**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;  $\sigma = 1.875$  S/m;  $\epsilon_r = 38.95$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.56, 7.56, 7.56) @ 2450 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (8x8x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 9.95 W/kg

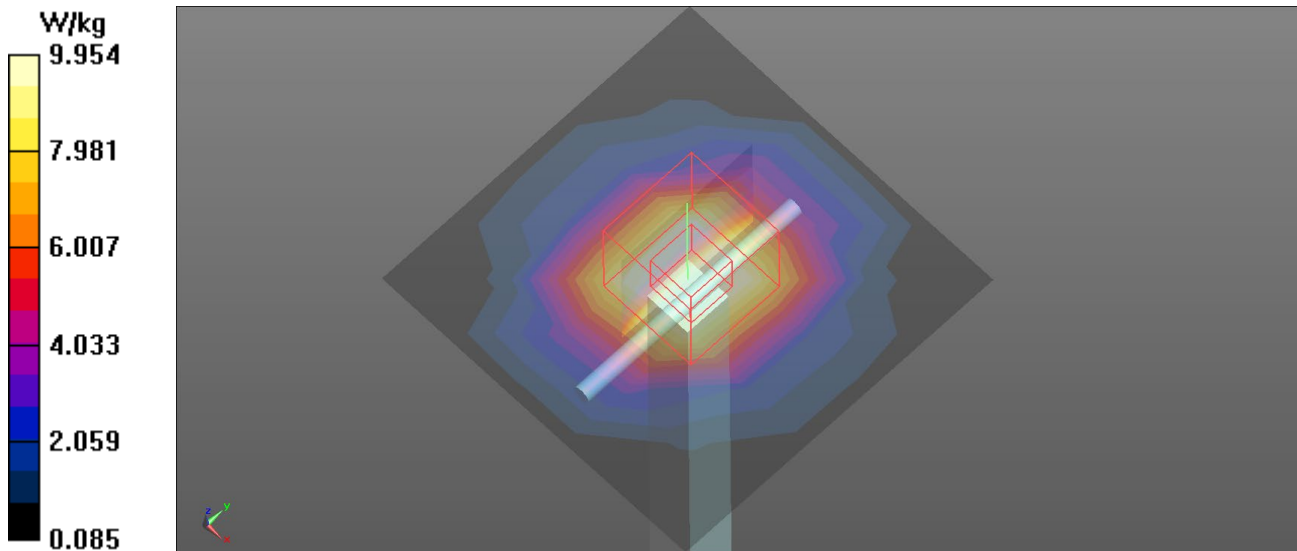
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 86.45 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 24.8 W/kg

**SAR(1 g) = 12.6 W/kg; SAR(10 g) = 6.29 W/kg**

Maximum value of SAR (measured) = 14.0 W/kg



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**System Check\_H5200\_0316****DUT: Dipole D5GHzV2;SN:1160;**

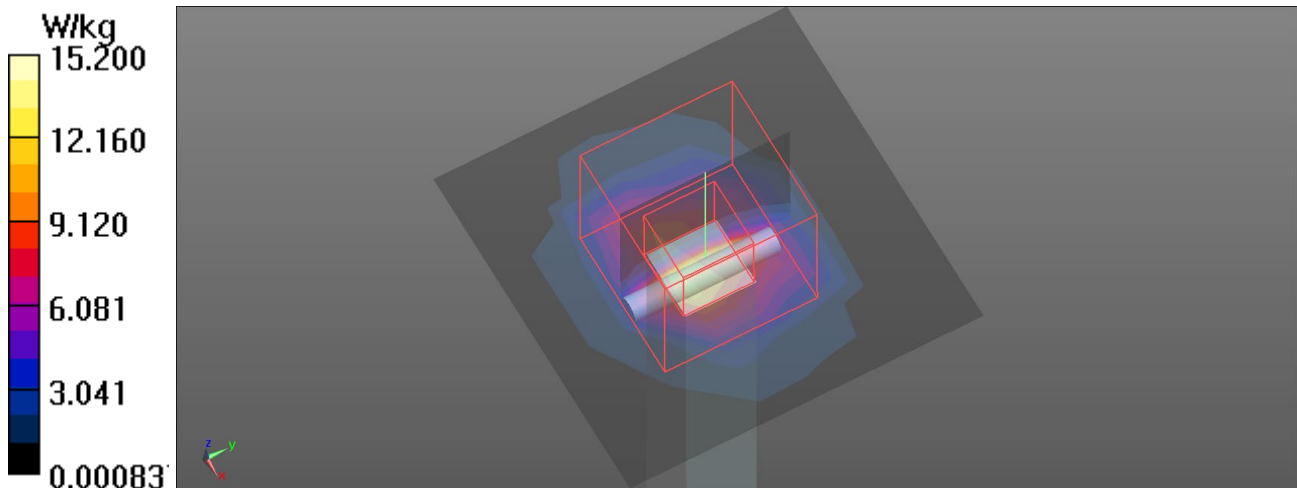
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.489$  S/m;  $\epsilon_r = 36.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.4 °C; Liquid Temperature : 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.8, 5.8, 5.8) @ 5200 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: ELI v5.0\_Left; 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) = 10.6 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 60.11 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 30.5 W/kg  
**SAR(1 g) = 7.2 W/kg; SAR(10 g) = 2.07 W/kg**  
Maximum value of SAR (measured) = 15.2 W/kg



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**System Check\_H5300\_0316****DUT: Dipole D5GHzV2;SN:1160;**

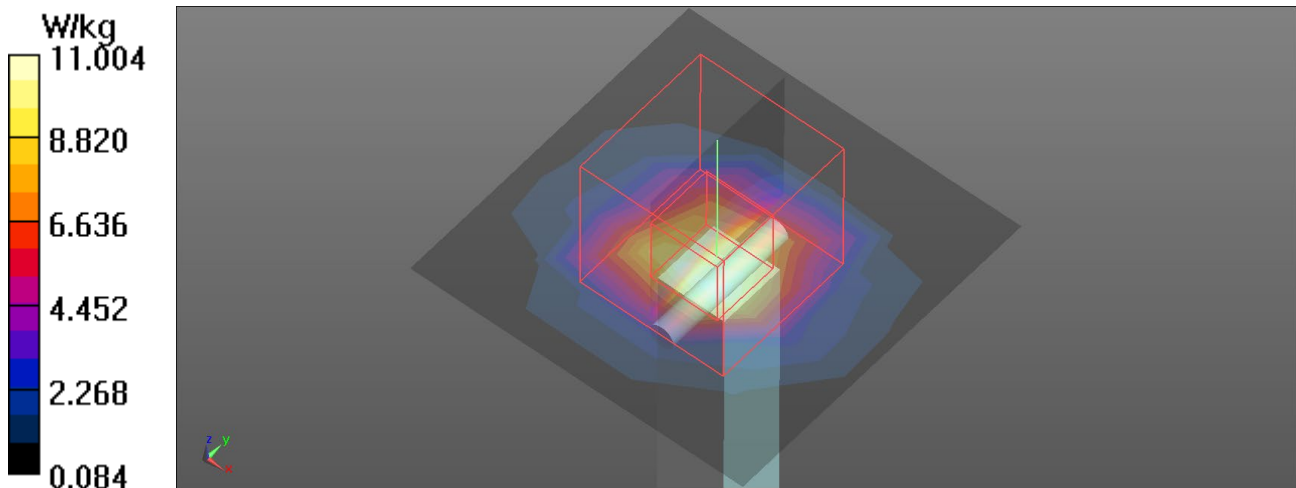
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 5300$  MHz;  $\sigma = 4.601$  S/m;  $\epsilon_r = 35.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.4 °C; Liquid Temperature : 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.55, 5.55, 5.55) @ 5300 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: ELI v5.0\_Left; 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) = 11.0 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 60.62 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 31.9 W/kg  
**SAR(1 g) = 7.38 W/kg; SAR(10 g) = 2.12 W/kg**  
Maximum value of SAR (measured) = 15.7 W/kg



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### System Check\_H5500\_0316

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

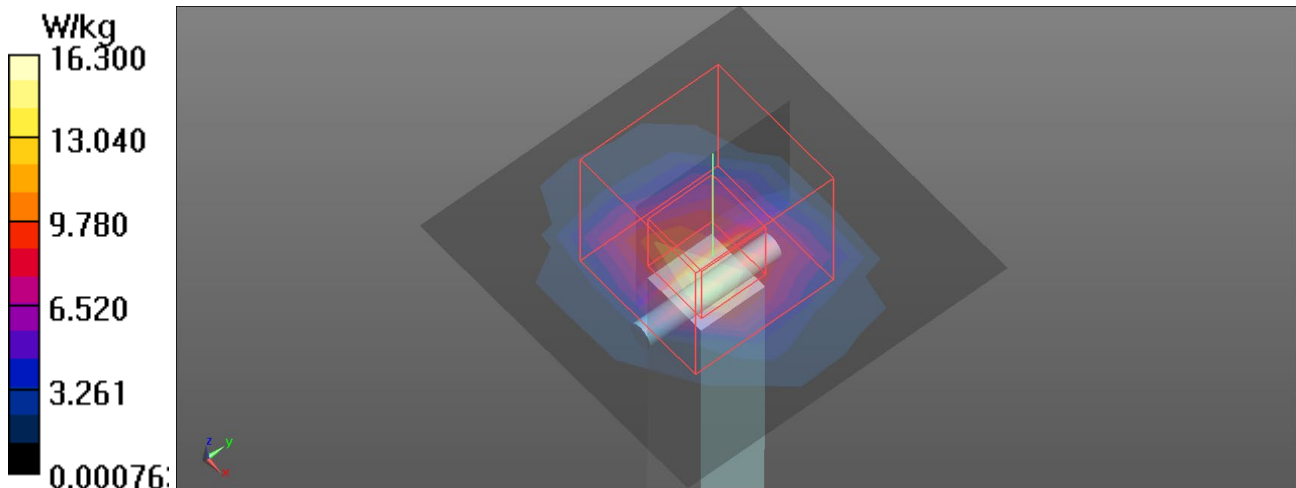
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.812$  S/m;  $\epsilon_r = 35.35$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.4 °C; Liquid Temperature : 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.1, 5.1, 5.1) @ 5500 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: ELI v5.0\_Left; 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 = 60.30 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 34.6 W/kg  
**SAR(1 g) = 7.69 W/kg; SAR(10 g) = 2.20 W/kg**  
Maximum value of SAR (measured) = 16.3 W/kg



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## System Check\_H5600\_0316

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

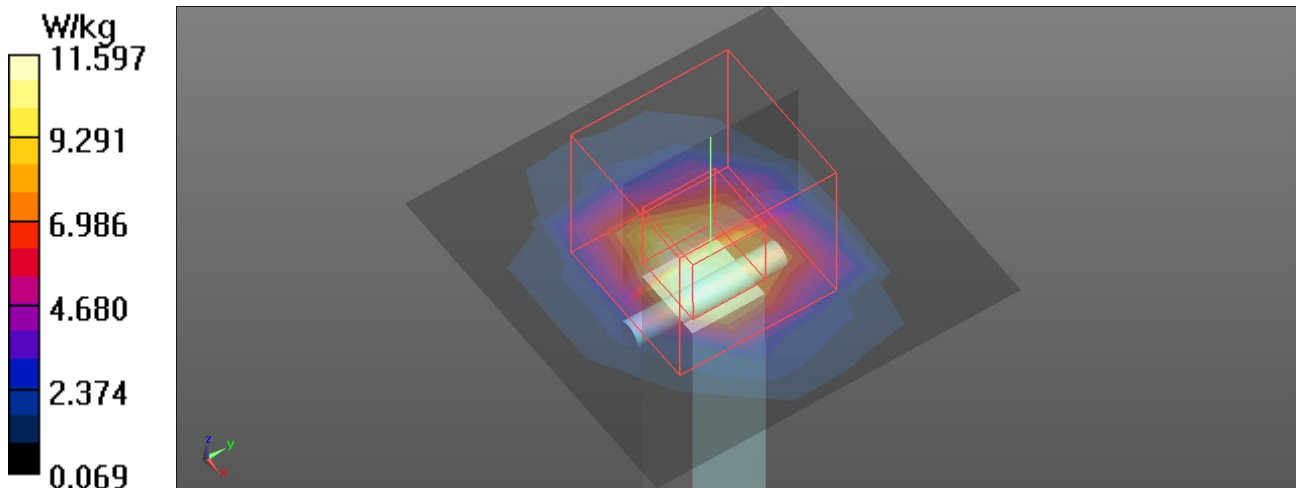
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5600$  MHz;  $\sigma = 4.924$  S/m;  $\epsilon_r = 35.097$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.4 °C; Liquid Temperature : 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(4.94, 4.94, 4.94) @ 5600 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: ELI v5.0\_Left; 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) = 11.6 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 59.86 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 35.0 W/kg  
**SAR(1 g) = 7.59 W/kg; SAR(10 g) = 2.15 W/kg**  
Maximum value of SAR (measured) = 16.4 W/kg



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### System Check\_H5800\_0316

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

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.181$  S/m;  $\epsilon_r = 34.689$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature: 23.4 °C; Liquid Temperature : 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.07, 5.07, 5.07) @ 5800 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: ELI v5.0\_Left; 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) = 10.9 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm  
Reference Value = 57.64 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 35.7 W/kg  
**SAR(1 g) = 7.42 W/kg; SAR(10 g) = 2.11 W/kg**  
Maximum value of SAR (measured) = 16.0 W/kg

