

Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/8/8

### System Check\_H2450\_0808

**DUT: Dipole 24500 MHz D2450V2;SN:919;**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2450$  MHz;  $\sigma = 1.873$  S/m;  $\epsilon_r = 39.041$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(7.59, 6.97, 6.79) @ 2450 MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD000P40CC; Serial: TP:1469
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (8x9x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 6.34 W/kg

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

Reference Value = 67.93 V/m; Power Drift = 0.02 dB

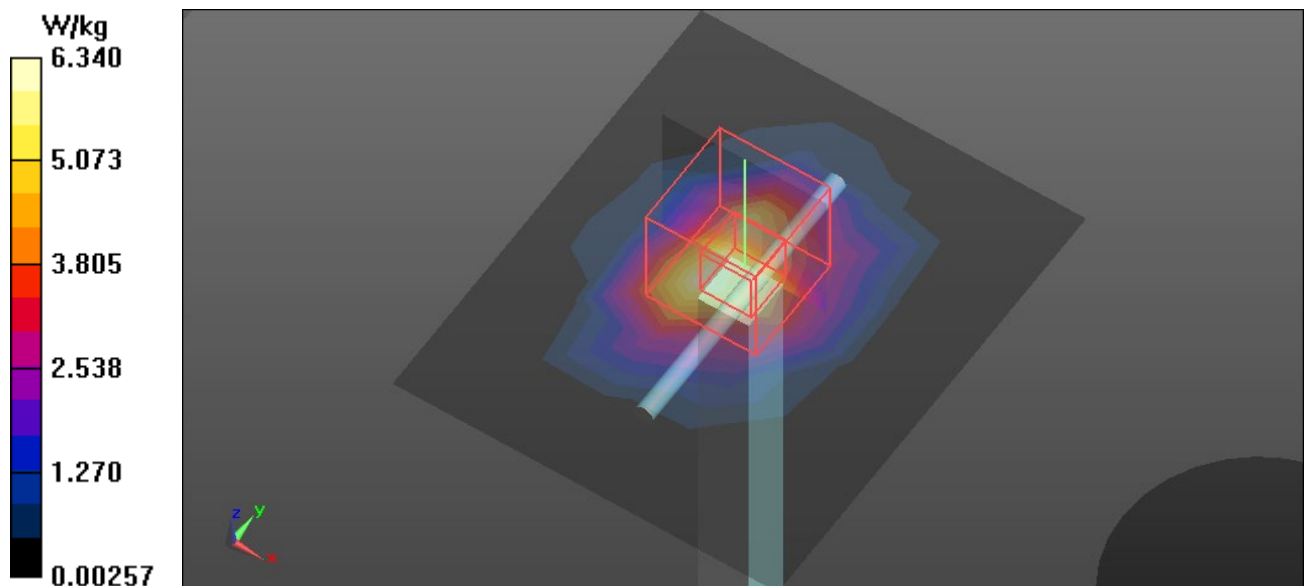
Peak SAR (extrapolated) = 10.0 W/kg

**SAR(1 g) = 5.13 W/kg; SAR(10 g) = 2.37 W/kg**

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 50.8%

Maximum value of SAR (measured) = 8.38 W/kg



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### System Check\_H5250\_0808

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

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5250$  MHz;  $\sigma = 4.678$  S/m;  $\epsilon_r = 36.384$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(6.23, 5.73, 5.57) @ 5250 MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD000P40CC; Serial: TP:1469
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (6x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 17.9 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 50.89 V/m; Power Drift = 0.09 dB

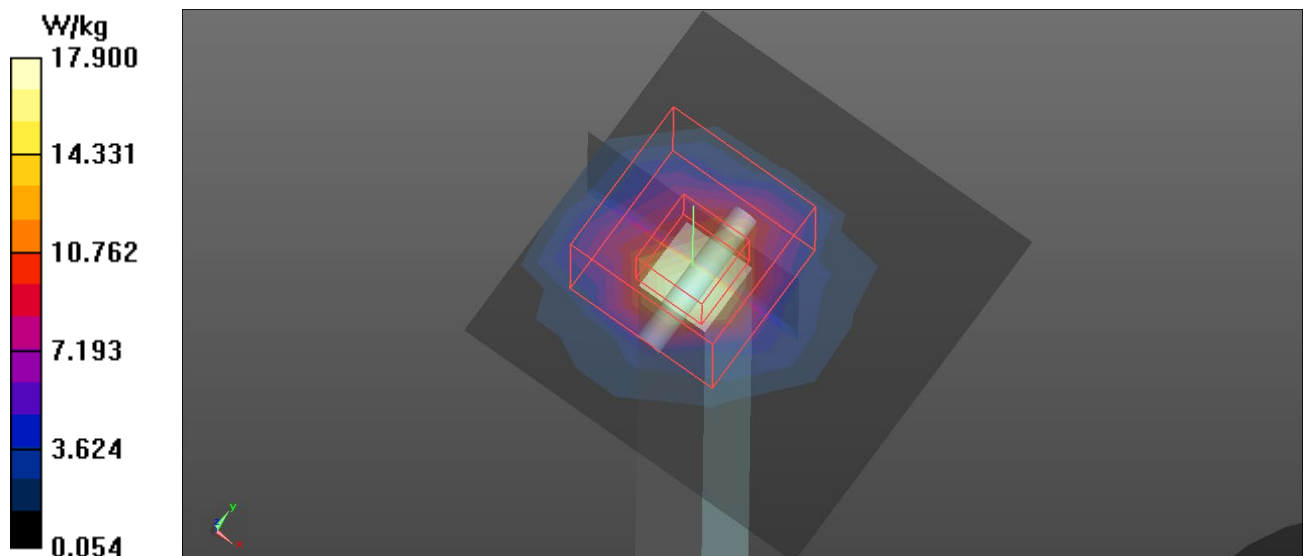
Peak SAR (extrapolated) = 38.9 W/kg

**SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.21 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 18.2%

Maximum value of SAR (measured) = 21.4 W/kg



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### System Check\_H5600\_0808

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

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5600$  MHz;  $\sigma = 5.079$  S/m;  $\epsilon_r = 35.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(5.54, 5.1, 4.96) @ 5600 MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD000P40CC; Serial: TP:1469
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (6x6x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 20.8 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2$ mm

Reference Value = 60.37 V/m; Power Drift = 0.05 dB

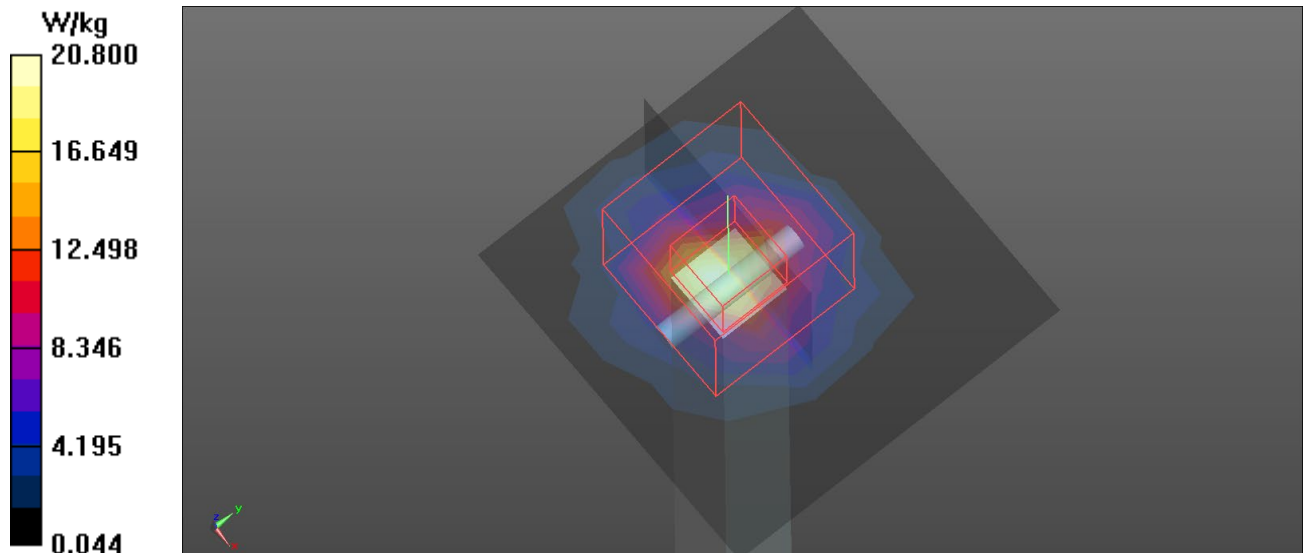
Peak SAR (extrapolated) = 44.5 W/kg

**SAR(1 g) = 8 W/kg; SAR(10 g) = 2.24 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 15.5%

Maximum value of SAR (measured) = 22.5 W/kg



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### System Check\_H5750\_0808

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

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5750 \text{ MHz}$ ;  $\sigma = 5.282 \text{ S/m}$ ;  $\epsilon_r = 35.933$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Ambient Temperature:  $23.3 \text{ }^\circ\text{C}$ ; Liquid Temperature:  $22.4 \text{ }^\circ\text{C}$ 

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(5.51, 5.06, 4.93) @ 5750 MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD000P40CC; Serial: TP:1469
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (6x6x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ 

Maximum value of SAR (measured) =  $19.1 \text{ W/kg}$ 
**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$ 

Reference Value =  $61.03 \text{ V/m}$ ; Power Drift =  $0.08 \text{ dB}$ 

Peak SAR (extrapolated) =  $44.6 \text{ W/kg}$ 
**SAR(1 g) =  $7.73 \text{ W/kg}$ ; SAR(10 g) =  $2.17 \text{ W/kg}$** 

Smallest distance from peaks to all points 3 dB below =  $7.2 \text{ mm}$ 

Ratio of SAR at M2 to SAR at M1 =  $14.5\%$ 

Maximum value of SAR (measured) =  $21.7 \text{ W/kg}$ 
