

## Appendix A - System Verification

Test Laboratory: TUV Inc.

Date: 2026/5/25

### System Check\_HSL2450MHz

**DUT: D2450V2 - SN804**

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

Medium: HSL2450\_260525 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.812$  S/m;  $\epsilon_r = 39.95$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(6.98, 6.88, 8.06) @ 2450 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 31.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Pin=250mW/Area Scan (9x9x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 19.7 W/kg

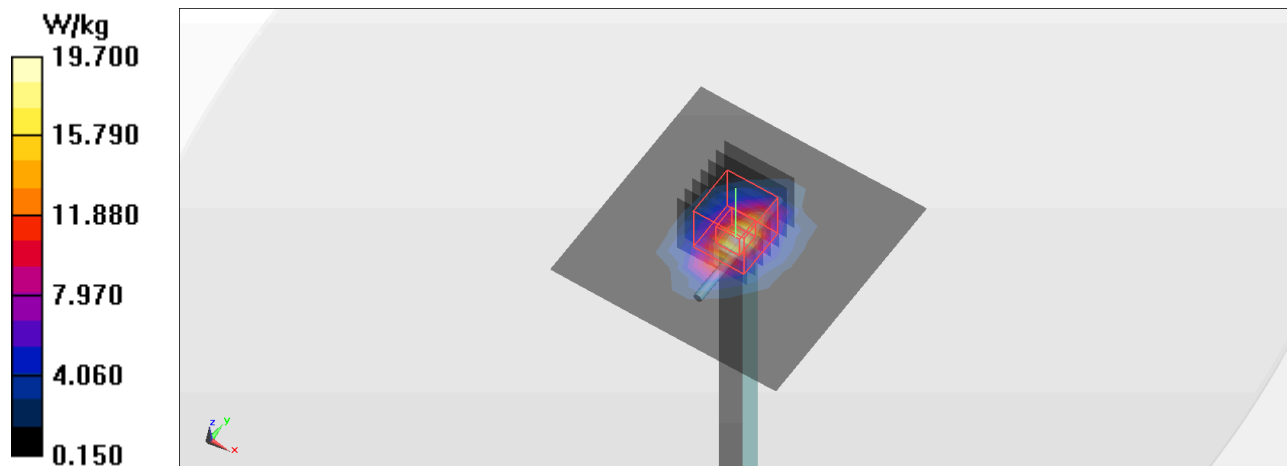
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 113.7 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 23.6 W/kg

**SAR(1 g) = 12.1 W/kg; SAR(10 g) = 5.67 W/kg**

Maximum value of SAR (measured) = 19.7 W/kg



System Check\_HSL2450MHz

DUT: D2450V2 - SN804

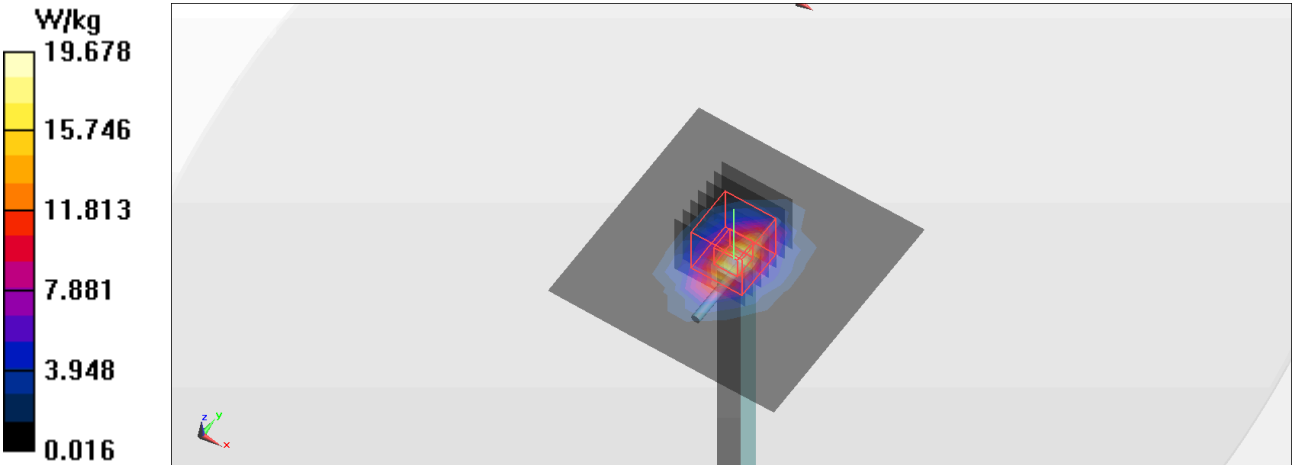
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1  
Medium: HSL2450\_260707 Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.811 \text{ S/m}$ ;  $\epsilon_r = 39.935$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.1 °C;Liquid Temperature : 21.9°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(6.98, 6.88, 8.06) @ 2450 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 31.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Pin=250mW/Area Scan (9x9x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
Maximum value of SAR (measured) = 19.7 W/kg

**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 113.7 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 23.6 W/kg  
**SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.69 W/kg**  
Maximum value of SAR (measured) = 19.7 W/kg



System Check\_HSL5250MHz

DUT: D5GHzV2 - SN1235

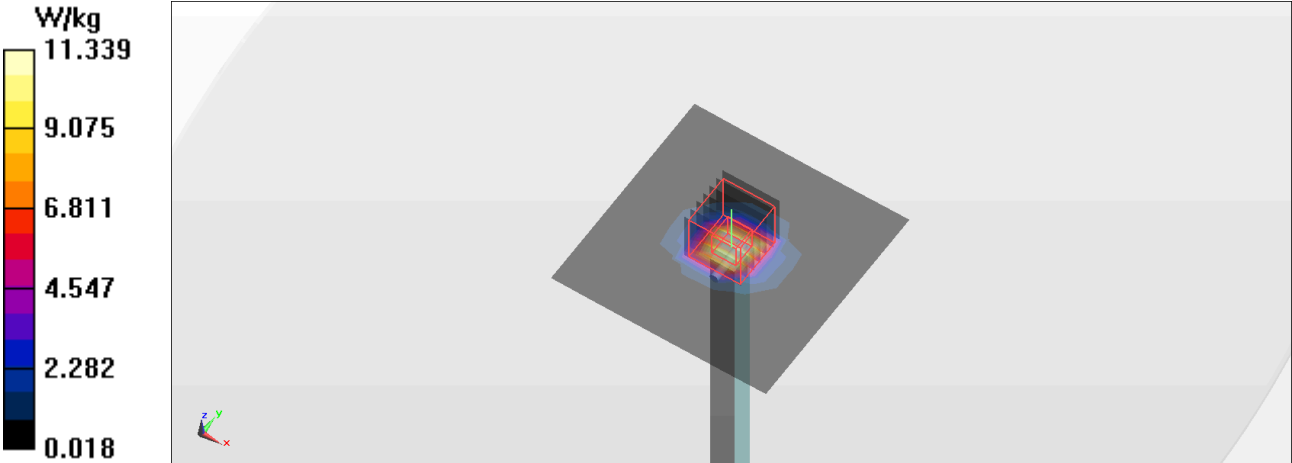
Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1  
Medium: HSL5G\_260531 Medium parameters used (interpolated):  $f = 5250 \text{ MHz}$ ;  $\sigma = 4.565 \text{ S/m}$ ;  $\epsilon_r = 35.874$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.6 °C;Liquid Temperature : 22.3°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(5.27, 5.2, 6.09) @ 5250 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 23.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Pin=100mW/Area Scan (10x10x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (measured) = 11.3 W/kg

**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$   
Reference Value = 72.95 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 32.6 W/kg  
**SAR(1 g) = 7.37 W/kg; SAR(10 g) = 2.09 W/kg**  
Maximum value of SAR (measured) = 19.2 W/kg



System Check\_HSL5600MHz

DUT: D5GHzV2 - SN1235

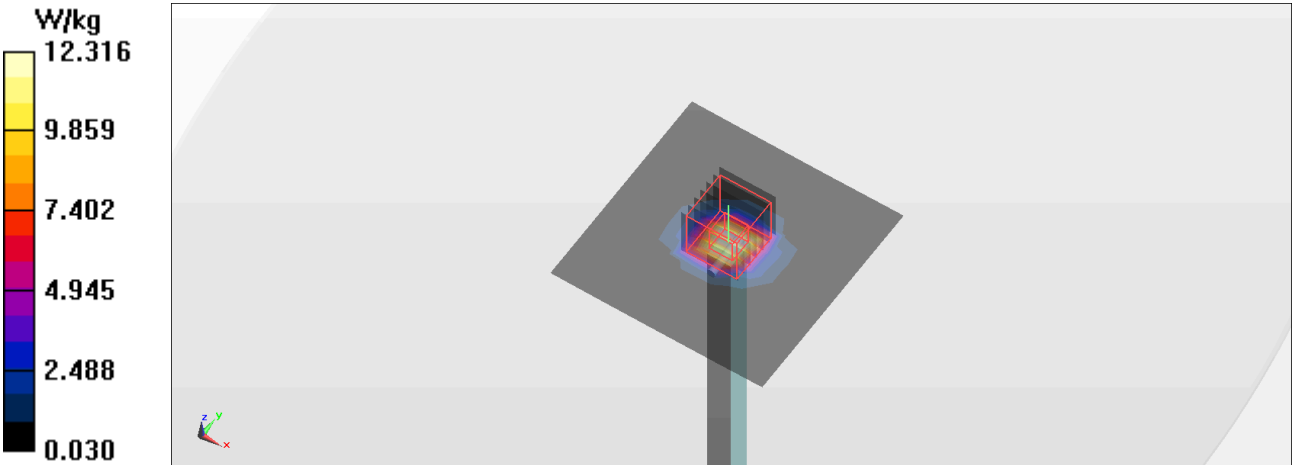
Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1  
Medium: HSL5G\_260531 Medium parameters used:  $f = 5600 \text{ MHz}$ ;  $\sigma = 4.955 \text{ S/m}$ ;  $\epsilon_r = 35.264$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.6 °C;Liquid Temperature : 22.3°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(4.67, 4.61, 5.39) @ 5600 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 23.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Pin=100mW/Area Scan (10x10x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (measured) = 12.3 W/kg

**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$   
Reference Value = 68.42 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 38.4 W/kg  
**SAR(1 g) = 7.7 W/kg; SAR(10 g) = 2.16 W/kg**  
Maximum value of SAR (measured) = 20.7 W/kg



System Check\_HSL5750MHz

DUT: D5GHzV2 - SN1235

Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1  
Medium: HSL5G\_260531 Medium parameters used:  $f = 5750\text{ MHz}$ ;  $\sigma = 5.124\text{ S/m}$ ;  $\epsilon_r = 34.969$ ;  $\rho = 1000\text{ kg/m}^3$   
Ambient Temperature : 23.6 °C;Liquid Temperature : 22.3°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(4.73, 4.67, 5.47) @ 5750 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -9.0, 23.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Pin=100mW/Area Scan (10x10x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (measured) = 12.1 W/kg

**Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$   
Reference Value = 66.50 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 39.4 W/kg  
**SAR(1 g) = 7.54 W/kg; SAR(10 g) = 2.11 W/kg**  
Maximum value of SAR (measured) = 20.6 W/kg

