

Appendix A - System Verification

Test Laboratory: TUV Inc.

Date: 2026/5/5

System Check_HSL2450MHz

DUT: D2450V2 - SN804

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

Medium: HSL2450_260505 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.812$ S/m; $\epsilon_r = 39.933$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6°C

DASY Configuration:

- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- Probe: EX3DV4 - SN3898; ConvF(6.92, 7.3, 6.61) @ 2450 MHz; Calibrated: 2025/9/9
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: S/N: 1806
- 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

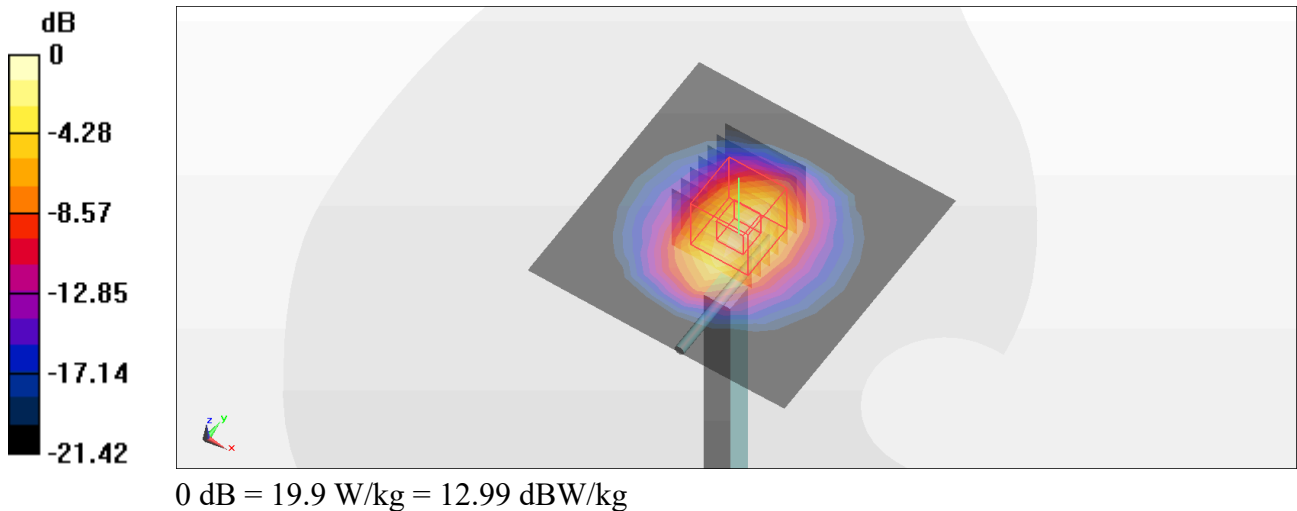
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 111.4 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 23.8 W/kg

SAR(1 g) = 12.2 W/kg; SAR(10 g) = 5.74 W/kg

Maximum value of SAR (measured) = 19.9 W/kg



System Check_HSL5250MHz

DUT: D5GHzV2 - SN1235

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

Medium: HSL5G_260506 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.566$ S/m; $\epsilon_r =$

35.466 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.5°C

DASY Configuration:

- Electronics: DAE4 Sn1356; Calibrated: 2025/12/9
- Probe: EX3DV4 - SN3898; ConvF(5.38, 5.68, 5.14) @ 5250 MHz; Calibrated: 2025/9/9
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 23.0$
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: S/N: 1806
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Pin=100mW/Area Scan (10x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 11.3 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

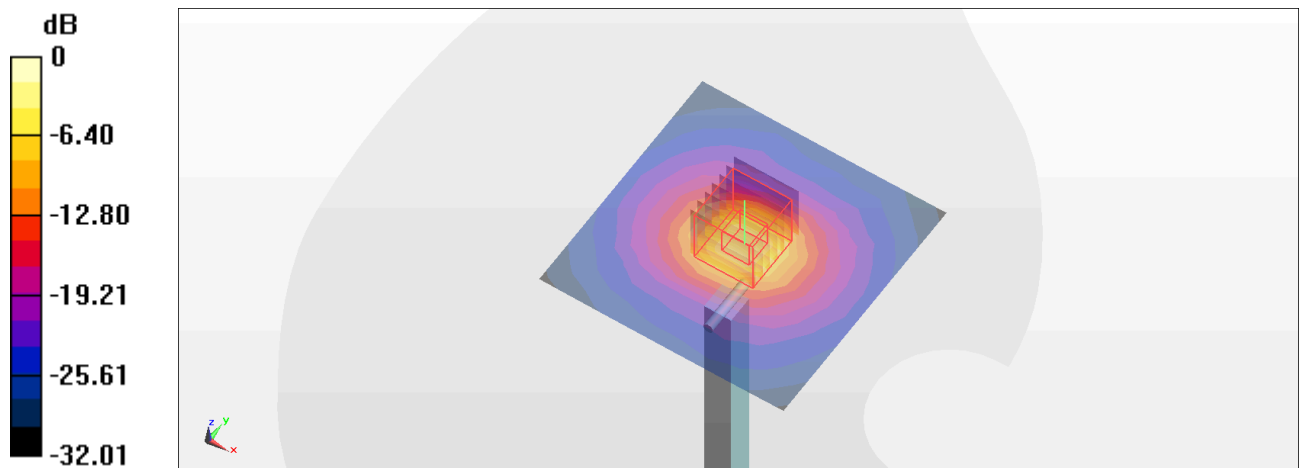
Reference Value = 73.29 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 33.4 W/kg

SAR(1 g) = 7.5 W/kg; SAR(10 g) = 2.12 W/kg

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

Maximum value of SAR (measured) = 19.6 W/kg



0 dB = 19.6 W/kg = 12.92 dBW/kg

System Check_HSL5600MHz

DUT: D5GHzV2 - SN1235

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

Medium: HSL5G_260508 Medium parameters used: $f = 5600$ MHz; $\sigma = 4.955$ S/m; $\epsilon_r = 35.264$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °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: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: S/N: 1806
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Pin=100mW/Area Scan (10x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 12.1 W/kg

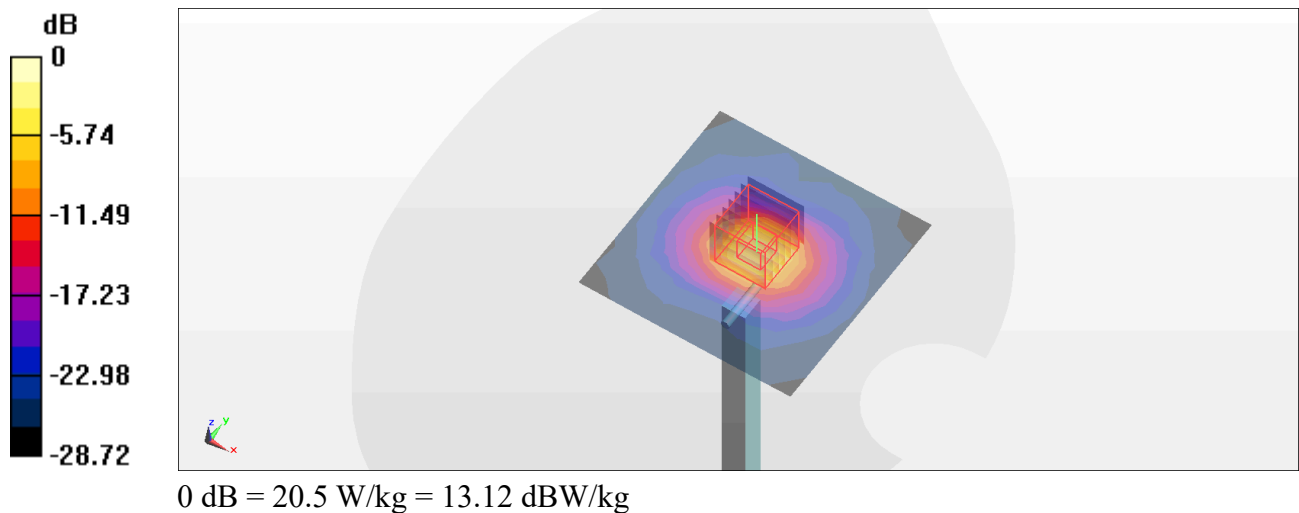
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 69.86 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 38.2 W/kg

SAR(1 g) = 7.59 W/kg; SAR(10 g) = 2.17 W/kg

Maximum value of SAR (measured) = 20.5 W/kg



System Check_HSL5750MHz

DUT: D5GHzV2 - SN1235

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

Medium: HSL5G_260508 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.124$ S/m; $\epsilon_r = 34.969$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °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: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: S/N: 1806
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Pin=100mW/Area Scan (10x10x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 12.3 W/kg

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 67.56 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 40.2 W/kg

SAR(1 g) = 7.68 W/kg; SAR(10 g) = 2.16 W/kg

Maximum value of SAR (measured) = 20.9 W/kg

