

Appendix A - System Verification

Test Laboratory: TUV Inc.

Date: 2025/11/10

System Check_HSL450MHz

DUT: D450V3 - SN1129

Communication System: CW; Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450_251110 Medium parameters used: $f = 450$ MHz; $\sigma = 0.868$ S/m; $\epsilon_r = 43.554$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(10.86, 10.86, 10.86) @ 450 MHz; Calibrated: 2025/5/21
- 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 (7x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.51 W/kg

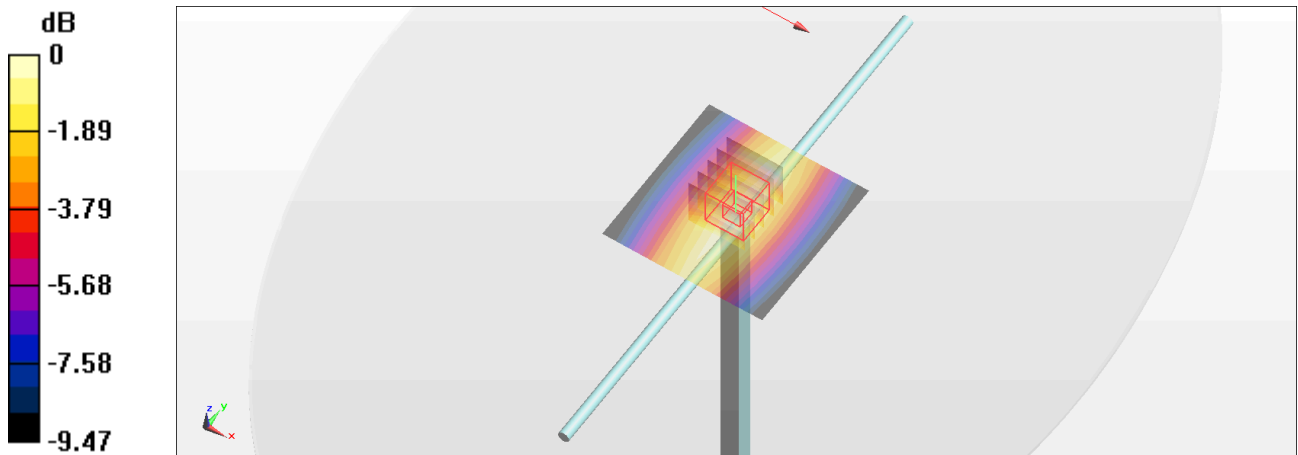
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 43.07 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.755 W/kg

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

System Check_HSL600MHz

DUT: D600V3 - SN1025

Communication System: CW; Frequency: 600 MHz; Duty Cycle: 1:1

Medium: HSL600_251110 Medium parameters used: $f = 600 \text{ MHz}$; $\sigma = 0.845 \text{ S/m}$; $\epsilon_r = 43.982$; $\rho = 1000 \text{ kg/m}^3$

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

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN3804; ConvF(8.95, 8.95, 8.95) @ 600 MHz; Calibrated: 2025/9/24
- 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 (7x7x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.19 W/kg

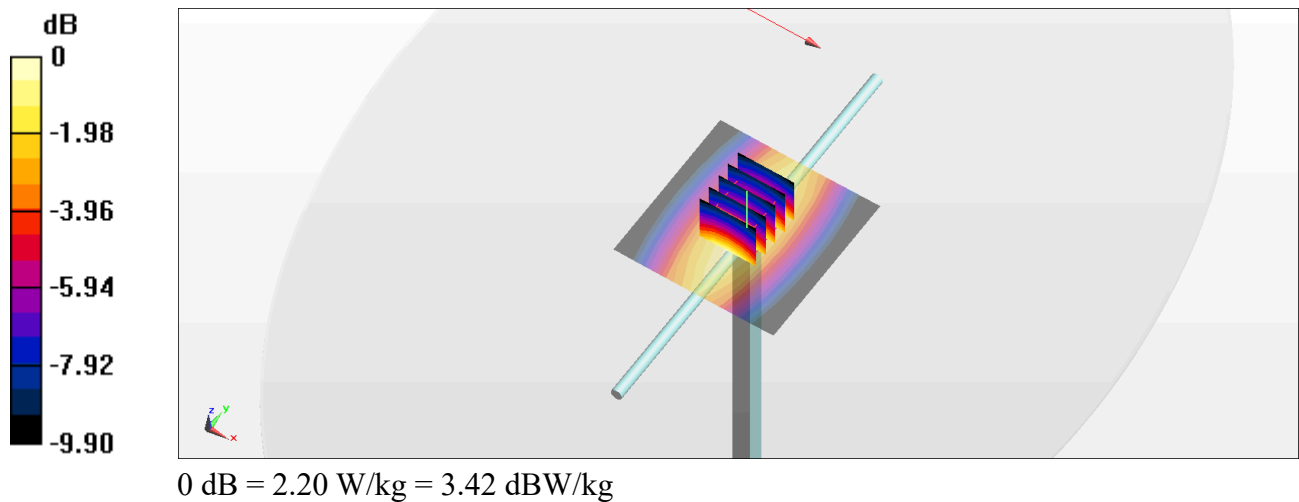
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 51.82 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.56 W/kg

SAR(1 g) = 1.6 W/kg ; SAR(10 g) = 1.07 W/kg

Maximum value of SAR (measured) = 2.20 W/kg



System Check_HSL750MHz

DUT: D750V3 - SN1199

Communication System: CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: HSL750_251110 Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 43.209$; $\rho = 1000 \text{ kg/m}^3$

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

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(9.87, 8.82, 10.21) @ 750 MHz; Calibrated: 2025/5/21
- 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 (7x7x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.74 W/kg

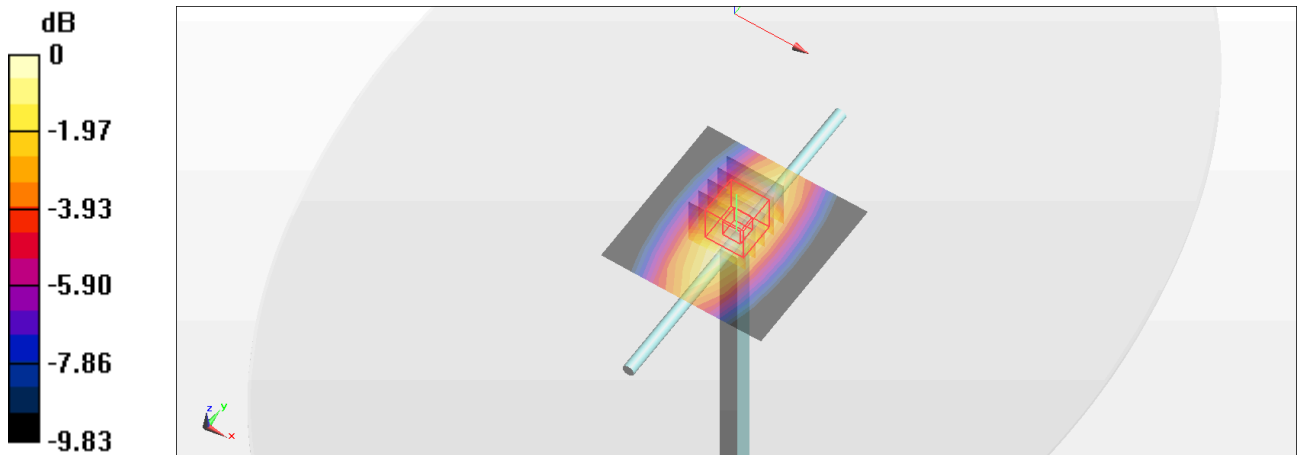
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.84 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.42 W/kg

Maximum value of SAR (measured) = 2.75 W/kg



0 dB = 2.75 W/kg = 4.39 dBW/kg

System Check_HSL835MHz

DUT: D835V2 - SN4d058

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835_251107 Medium parameters used: $f = 835$ MHz; $\sigma = 0.943$ S/m; $\epsilon_r = 42.989$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(9.44, 8.43, 9.75) @ 835 MHz; Calibrated: 2025/5/21
- 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 (7x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 3.07 W/kg

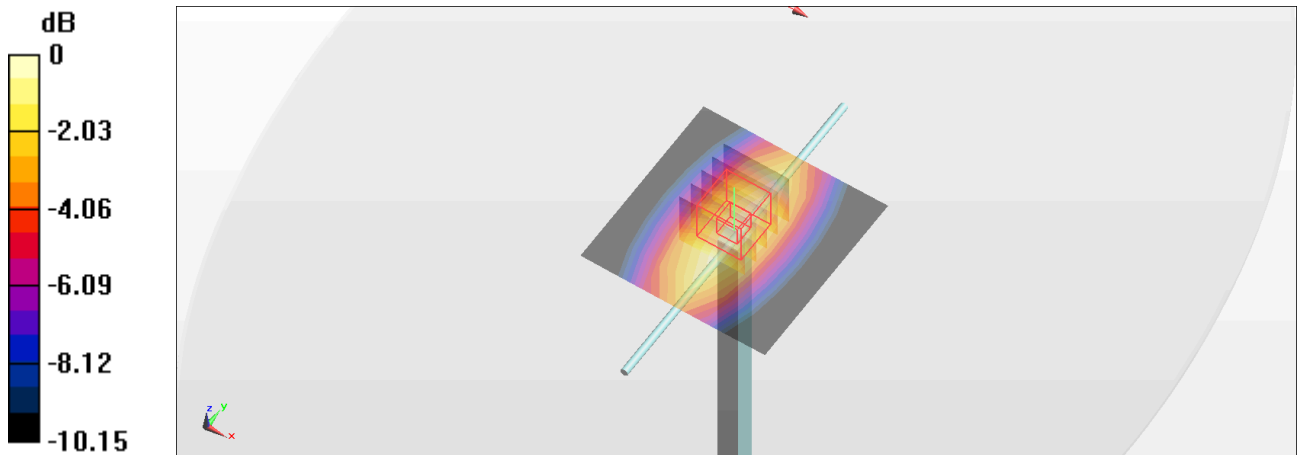
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 61.42 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.37 W/kg

SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 3.07 W/kg



0 dB = 3.07 W/kg = 4.87 dBW/kg

System Check_HSL900MHz

DUT: D900V2 - SN1d062

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: HSL900_251107 Medium parameters used: $f = 900$ MHz; $\sigma = 0.965$ S/m; $\epsilon_r = 42.818$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(9.33, 8.33, 9.64) @ 900 MHz; Calibrated: 2025/5/21
- 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 (7x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 3.52 W/kg

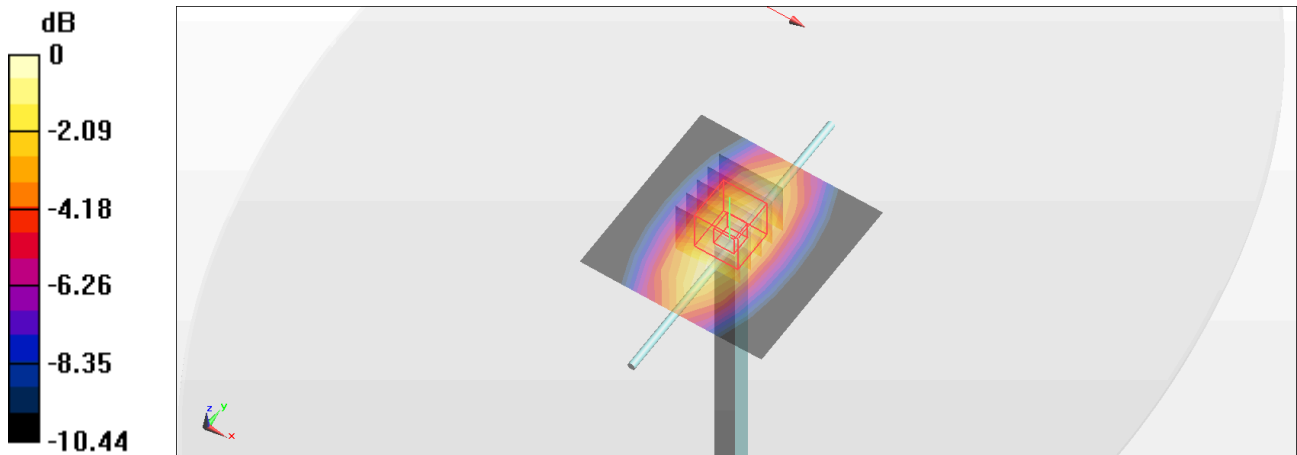
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 64.65 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 3.88 W/kg

SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.77 W/kg

Maximum value of SAR (measured) = 3.53 W/kg



0 dB = 3.53 W/kg = 5.48 dBW/kg

System Check_HSL1300MHz

DUT: D1300V2 - SN1008

Communication System: CW; Frequency: 1300 MHz; Duty Cycle: 1:1

Medium: HSL1300_251112 Medium parameters used: $f = 1300$ MHz; $\sigma = 1.125$ S/m; $\epsilon_r = 40.729$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN3804; ConvF(7.32, 7.76, 7.57) @ 1300 MHz; Calibrated: 2025/9/24
- 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 (7x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 9.51 W/kg

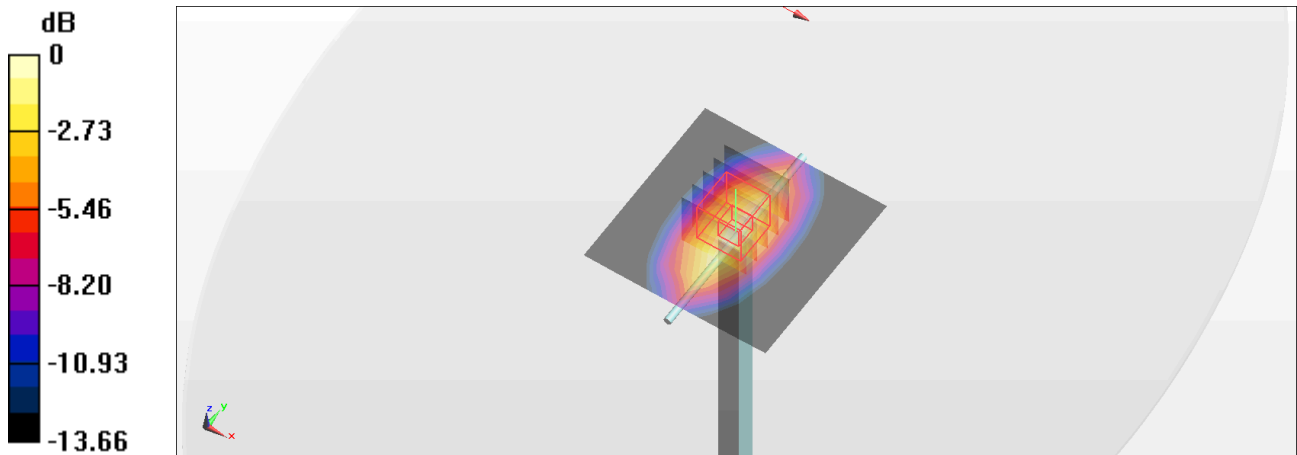
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 99.16 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 6.56 W/kg; SAR(10 g) = 3.82 W/kg

Maximum value of SAR (measured) = 9.45 W/kg



0 dB = 9.45 W/kg = 9.75 dBW/kg

System Check_HSL1450MHz

DUT: D1450V2 - SN1081

Communication System: CW; Frequency: 1450 MHz; Duty Cycle: 1:1

Medium: HSL1450_251110 Medium parameters used: $f = 1450$ MHz; $\sigma = 1.187$ S/m; $\epsilon_r = 40.449$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(7.94, 7.1, 8.21) @ 1450 MHz; Calibrated: 2025/5/21
- 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 (7x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 10.8 W/kg

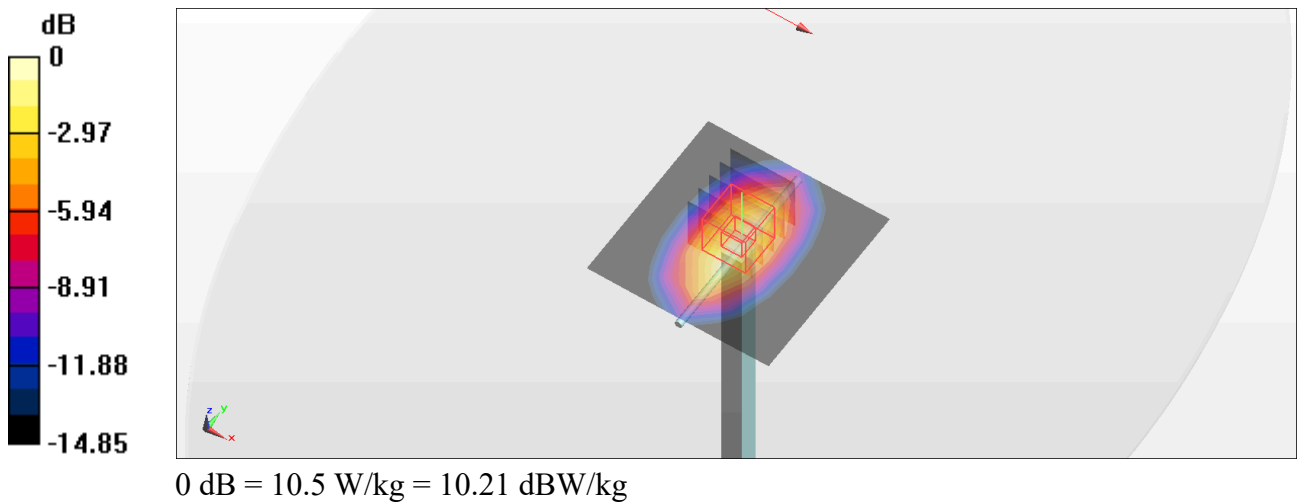
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 102.6 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 7.4 W/kg; SAR(10 g) = 4.24 W/kg

Maximum value of SAR (measured) = 10.5 W/kg



System Check_HSL2450MHz

DUT: D2450V2 - SN804

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL2450_251112 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.811$ S/m; $\epsilon_r = 39.935$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(7.07, 6.32, 7.31) @ 2450 MHz; Calibrated: 2025/5/21
- 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) = 21.5 W/kg

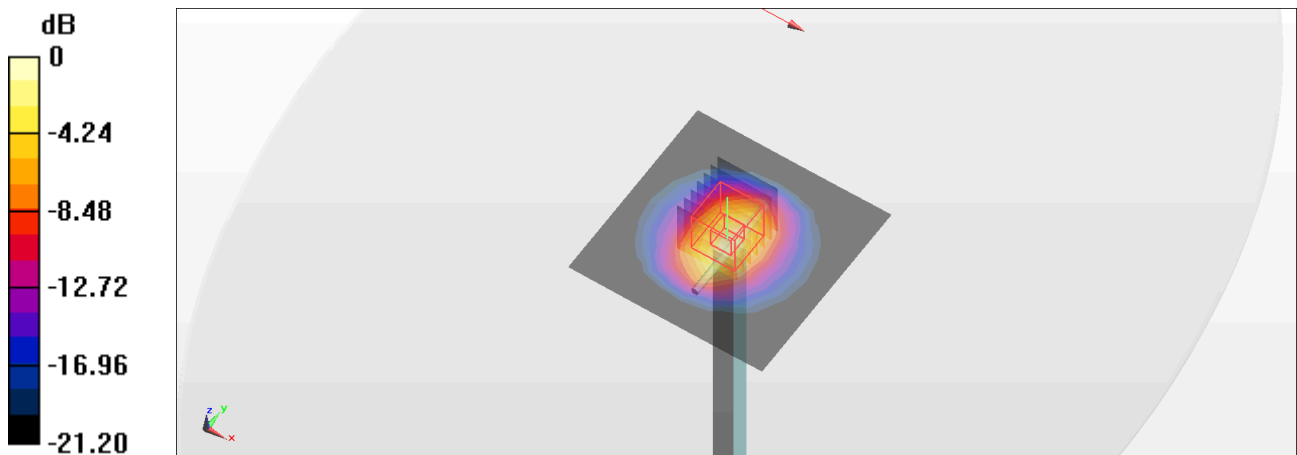
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 119.2 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 25.6 W/kg

SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.21 W/kg

Maximum value of SAR (measured) = 21.5 W/kg



0 dB = 21.5 W/kg = 13.32 dBW/kg