

Appendix A - System Verification

Test Laboratory: TUV Inc.

Date: 2025/5/7

System Check_HSL5250MHz

DUT: D5GHzV2 - SN1235

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL5G_250507 Medium parameters used: $f = 5250$ MHz; $\sigma = 4.624$ S/m; $\epsilon_r = 35.803$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7°C

DASY Configuration:

- Electronics: DAE3 Sn360; Calibrated: 2024/12/16
- Probe: EX3DV4 - SN3975; ConvF(5.53, 5.86, 5.61) @ 5250 MHz; Calibrated: 2024/6/25
- 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: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 11.8 W/kg

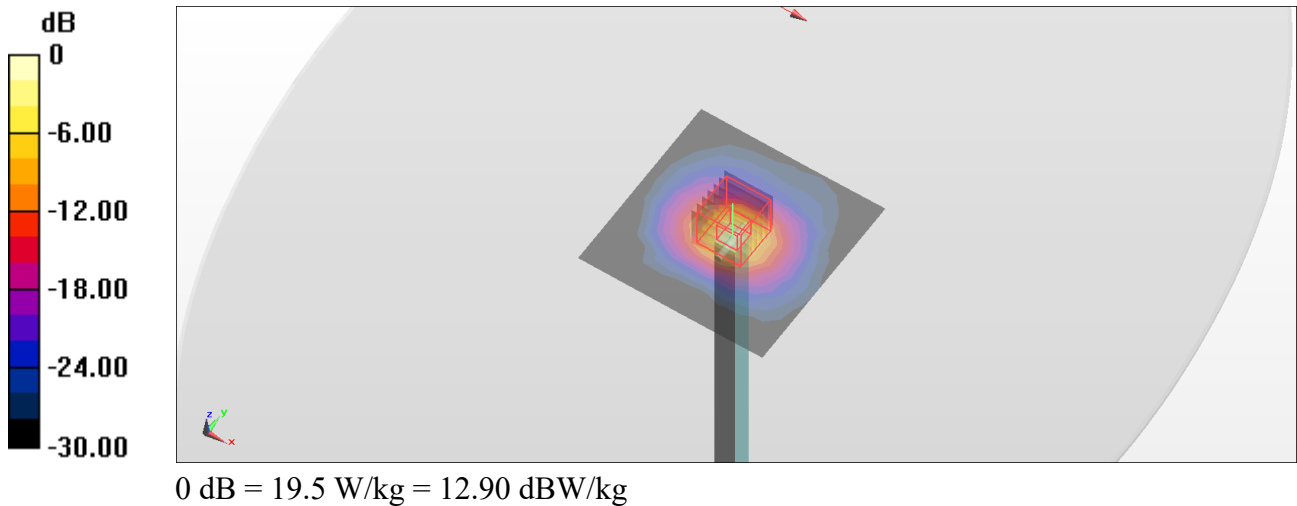
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 67.90 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 34.0 W/kg

SAR(1 g) = 7.73 W/kg; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (measured) = 19.5 W/kg



System Check_HSL5600MHz

DUT: D5GHzV2 - SN1235

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL5G_250507 Medium parameters used: $f = 5600$ MHz; $\sigma = 4.992$ S/m; $\epsilon_r = 35.148$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7°C

DASY Configuration:

- Electronics: DAE3 Sn360; Calibrated: 2024/12/16
- Probe: EX3DV4 - SN3975; ConvF(4.79, 5.06, 4.88) @ 5600 MHz; Calibrated: 2024/6/25
- 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: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 13.5 W/kg

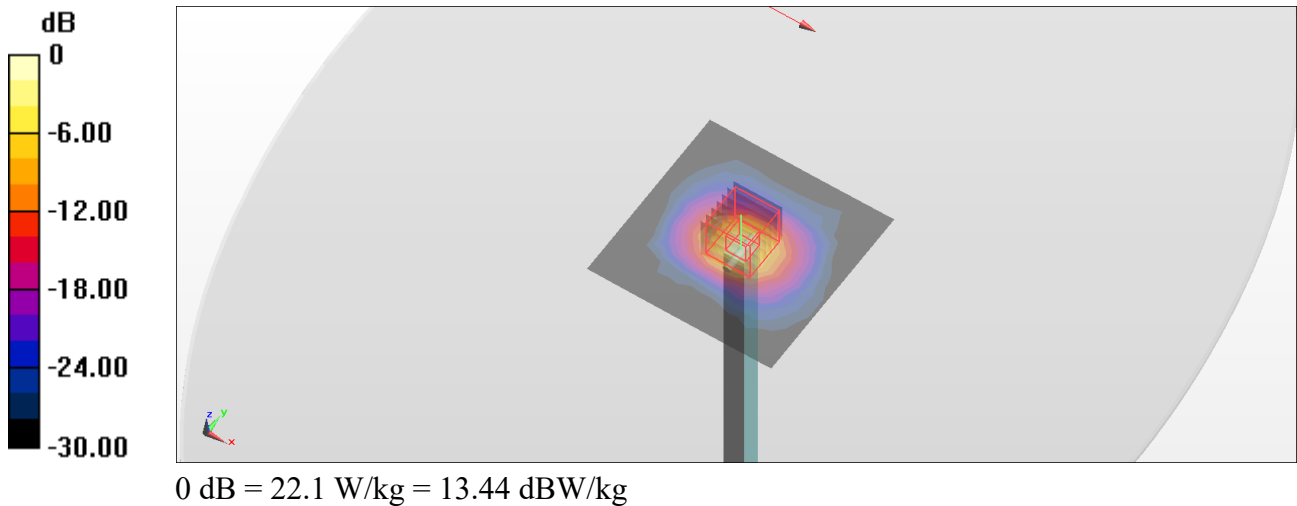
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 69.36 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 41.6 W/kg

SAR(1 g) = 8.13 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 22.1 W/kg



System Check_HSL5750MHz

DUT: D5GHzV2 - SN1235

Communication System: CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL5G_250507 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.149$ S/m; $\epsilon_r = 34.895$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.7°C

DASY Configuration:

- Electronics: DAE3 Sn360; Calibrated: 2024/12/16
- Probe: EX3DV4 - SN3975; ConvF(4.83, 5.11, 4.92) @ 5750 MHz; Calibrated: 2024/6/25
- 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: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 12.9 W/kg

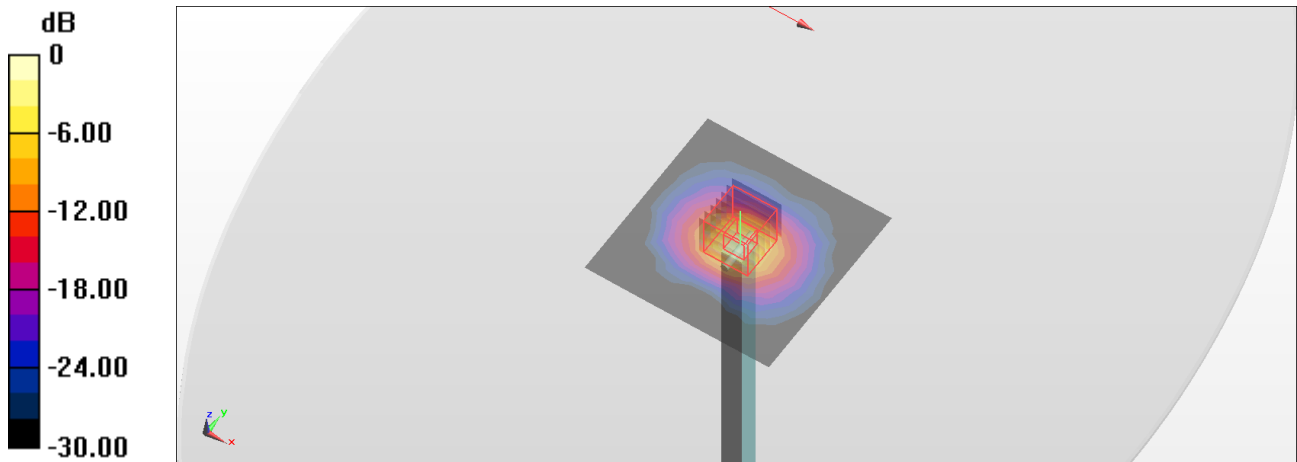
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 69.41 V/m; Power Drift = -0.48 dB

Peak SAR (extrapolated) = 40.9 W/kg

SAR(1 g) = 7.63 W/kg; SAR(10 g) = 2.09 W/kg

Maximum value of SAR (measured) = 21.1 W/kg



0 dB = 21.1 W/kg = 13.24 dBW/kg