

Appendix B - SAR Measurement

Test Laboratory: TUV Inc.

Date: 2025/7/30

System Check_HSL5250MHz

DUT: D5GHzV2 - SN1235

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

Medium: HSL5G_250730 Medium parameters used: $f = 5250$ MHz; $\sigma = 4.594$ S/m; $\epsilon_r = 35.412$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.4°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(5.5, 4.91, 5.68) @ 5250 MHz; Calibrated: 2025/5/21
- 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) = 12.4 W/kg

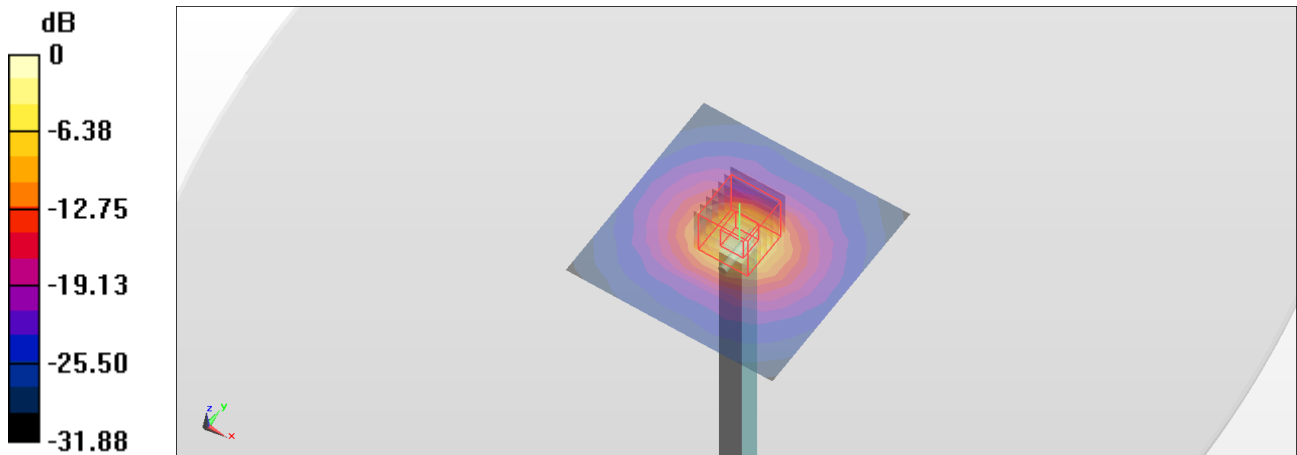
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 75.54 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 36.4 W/kg

SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.28 W/kg

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



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

System Check_HSL5600MHz

DUT: D5GHzV2 - SN1235

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

Medium: HSL5G_250730 Medium parameters used: $f = 5600$ MHz; $\sigma = 4.987$ S/m; $\epsilon_r = 34.797$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.4°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(5.12, 4.57, 5.29) @ 5600 MHz; Calibrated: 2025/5/21
- 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) = 12.6 W/kg

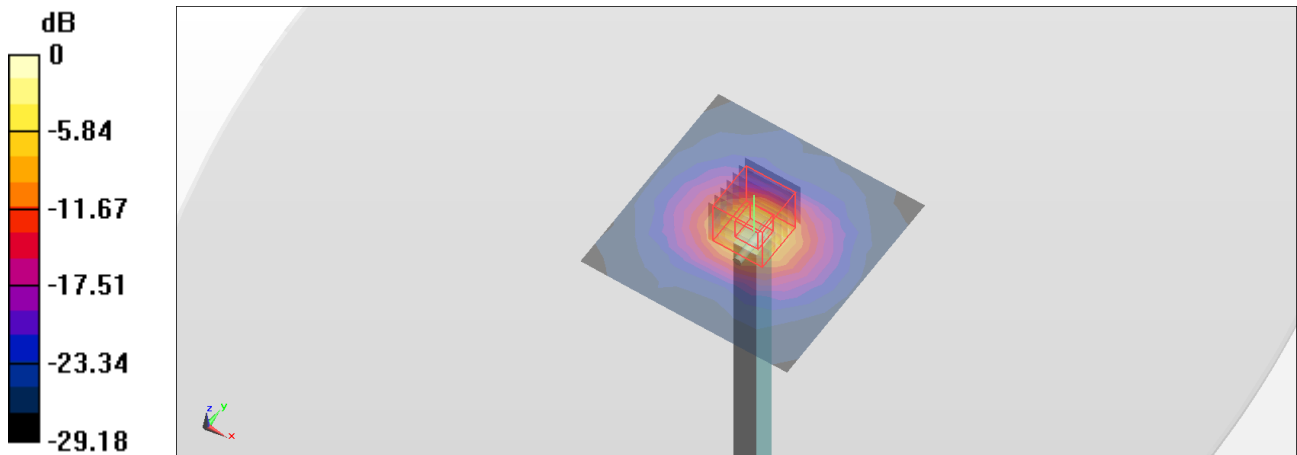
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 70.55 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 40.3 W/kg

SAR(1 g) = 7.88 W/kg; SAR(10 g) = 2.2 W/kg

Maximum value of SAR (measured) = 21.3 W/kg



0 dB = 21.3 W/kg = 13.28 dBW/kg

System Check_HSL5750MHz

DUT: D5GHzV2 - SN1235

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

Medium: HSL5G_250730 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.16$ S/m; $\epsilon_r = 34.529$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.4°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(5.21, 4.66, 5.39) @ 5750 MHz; Calibrated: 2025/5/21
- 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) = 12.6 W/kg

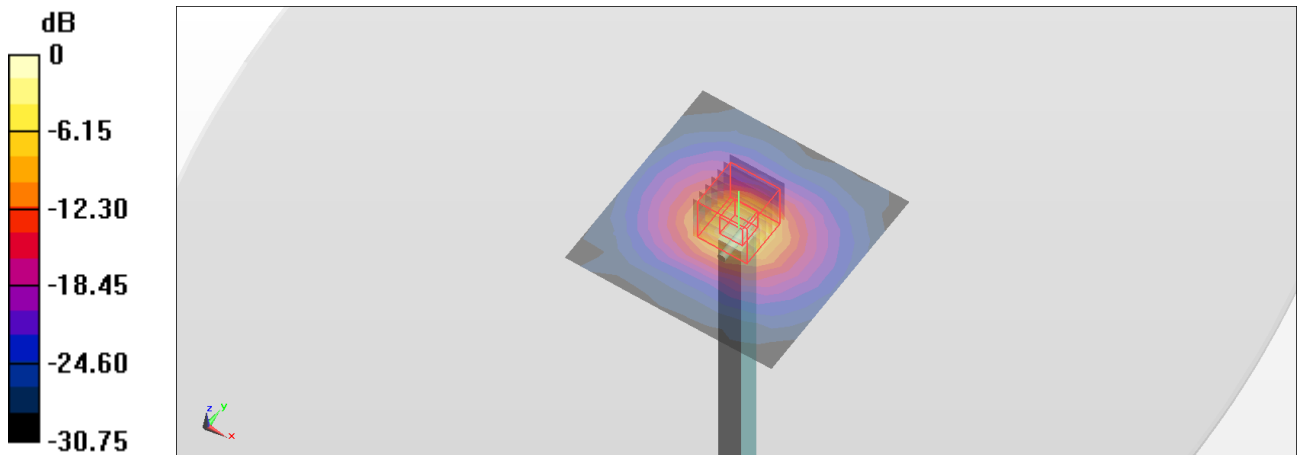
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 69.78 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 41.8 W/kg

SAR(1 g) = 7.85 W/kg; SAR(10 g) = 2.2 W/kg

Maximum value of SAR (measured) = 21.6 W/kg



0 dB = 21.6 W/kg = 13.34 dBW/kg