

Appendix B - SAR Measurement

Test Laboratory: TUV Inc.

Date: 2025/11/26

01_WLAN2.4GHz_802.11b 1Mbps_Top Side_0mm_Ch6

DUT: SV2301

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1.005

Medium: HSL2450_251126 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.8$ S/m; $\epsilon_r = 39.967$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.9°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(7.07, 6.32, 7.31) @ 2437 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)

Area Scan (9x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.97 W/kg

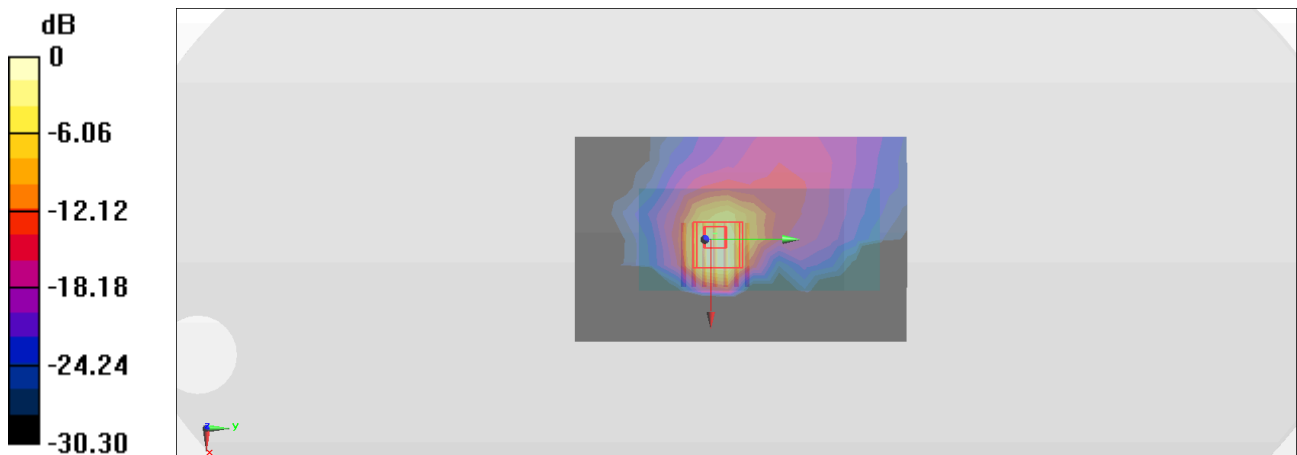
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 30.93 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.592 W/kg

Maximum value of SAR (measured) = 2.35 W/kg



02_WLAN5GHz_802.11a 6Mbps_Top Side_0mm_Ch56**DUT: SV2301**

Communication System: WLAN; Frequency: 5280 MHz; Duty Cycle: 1:1.036

Medium: HSL5G_251126 Medium parameters used: $f = 5280$ MHz; $\sigma = 4.591$ S/m; $\epsilon_r = 35.77$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.9°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(5.5, 4.91, 5.68) @ 5280 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)

Area Scan (11x16x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 8.39 W/kg

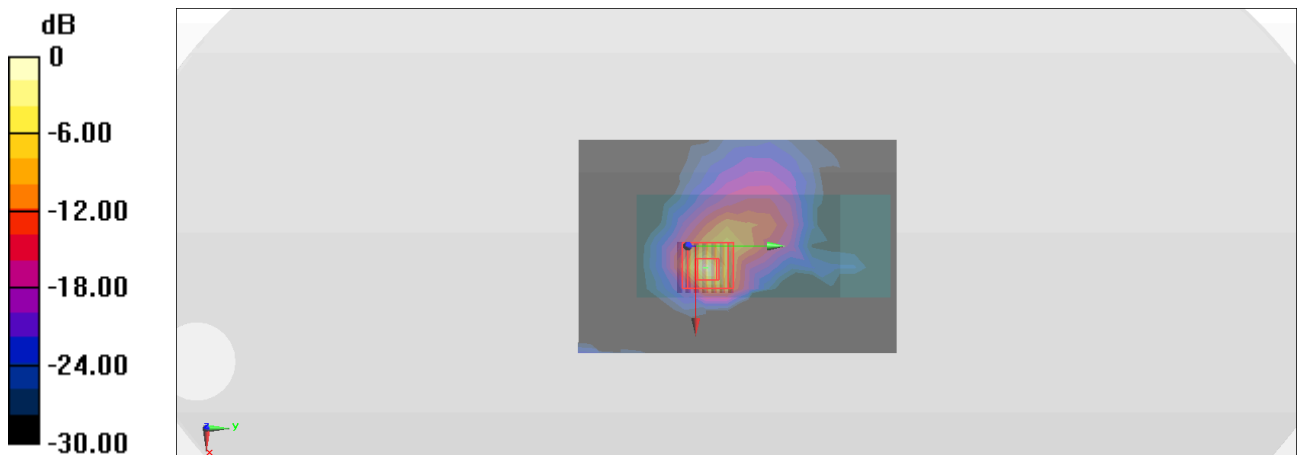
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 37.25 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 2.86 W/kg; SAR(10 g) = 0.649 W/kg

Maximum value of SAR (measured) = 8.63 W/kg



03_WLAN5GHz_802.11a 6Mbps_Top Side_0mm_Ch100**DUT: SV2301**

Communication System: WLAN; Frequency: 5500 MHz; Duty Cycle: 1:1.036

Medium: HSL5G_251126 Medium parameters used: $f = 5500$ MHz; $\sigma = 4.839$ S/m; $\epsilon_r = 35.366$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.9°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(5.12, 4.57, 5.29) @ 5500 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)

Area Scan (11x16x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 9.78 W/kg

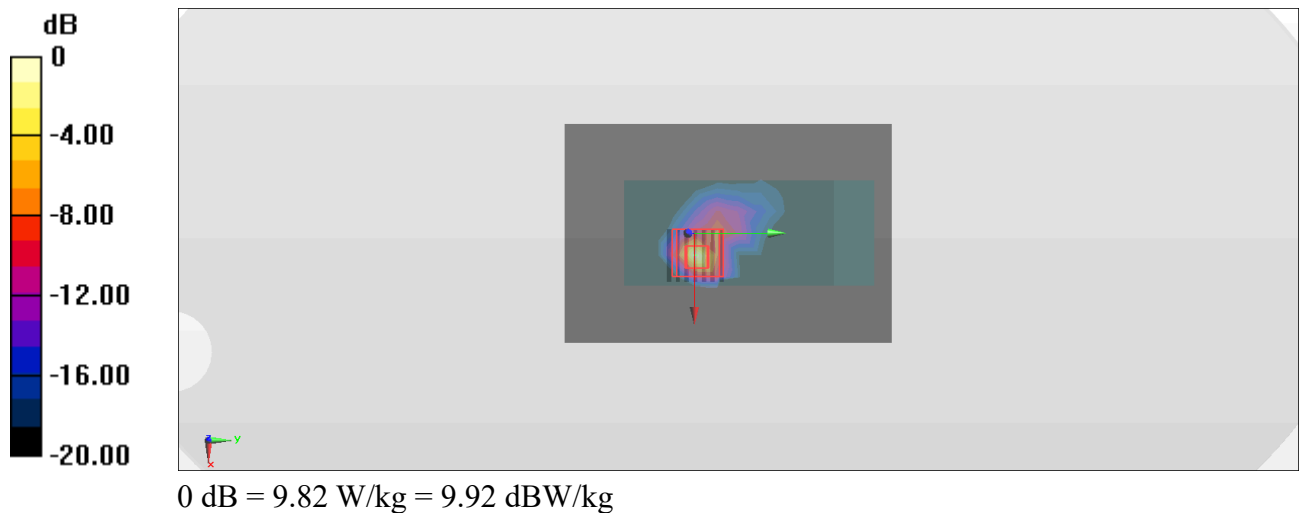
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 37.27 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 20.4 W/kg

SAR(1 g) = 3.12 W/kg; SAR(10 g) = 0.674 W/kg

Maximum value of SAR (measured) = 9.82 W/kg



04_WLAN5GHz_802.11a 6Mbps_Top Side_0mm_Ch157**DUT: SV2301**

Communication System: WLAN; Frequency: 5785 MHz; Duty Cycle: 1:1.036

Medium: HSL5G_251126 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.167$ S/m; $\epsilon_r = 34.851$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.9°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(5.21, 4.66, 5.39) @ 5785 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)

Area Scan (11x16x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 11.7 W/kg

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

Reference Value = 39.36 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 25.1 W/kg

SAR(1 g) = 3.73 W/kg; SAR(10 g) = 0.796 W/kg

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

