

Appendix B - SAR Measurement

Test Laboratory: TUV Inc.

Date: 2025/10/1

02_Bluetooth_EDR_Front Face_0mm_Ch39

DUT: RP300

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium: HSL2450_251001 Medium parameters used: $f = 2441$ MHz; $\sigma = 1.804$ S/m; $\epsilon_r = 39.952$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(7.07, 6.32, 7.31) @ 2441 MHz; Calibrated: 2025/5/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -29.0, 31.0$
- 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 (10x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.00536 W/kg

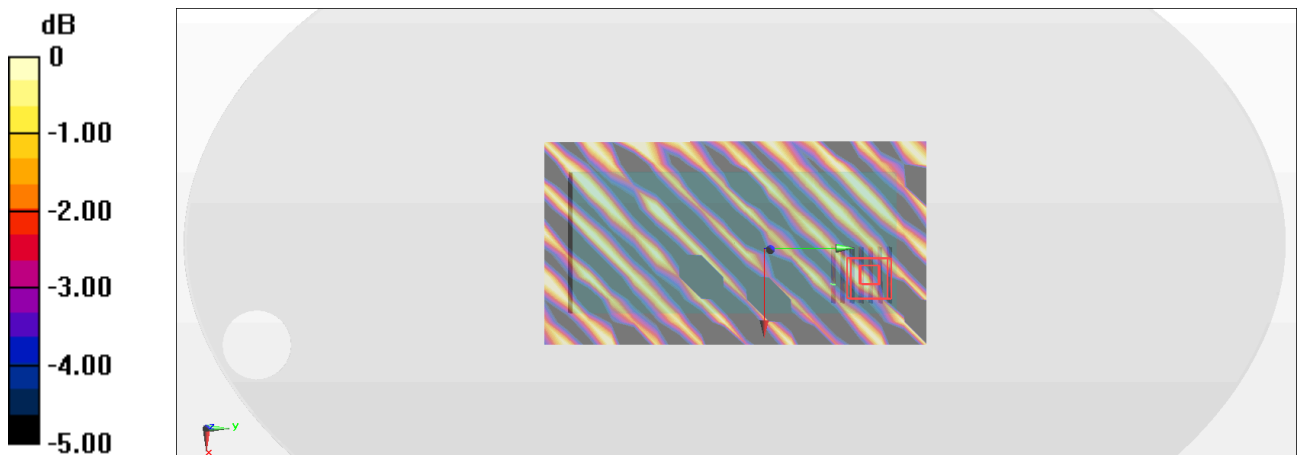
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.7550 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.00831 W/kg

SAR(1 g) = 0.003 W/kg; SAR(10 g) = 0.002 W/kg

Maximum value of SAR (measured) = 0.00361 W/kg



0 dB = 0.00361 W/kg = -24.42 dBW/kg

04_RFID_PR-ASK_Front Face_0mm_Ch0**DUT: RP300**

Communication System: RFID; Frequency: 902.75 MHz; Duty Cycle: 1:1

Medium: HSL900_251001 Medium parameters used: $f = 902.75$ MHz; $\sigma = 0.967$ S/m; $\epsilon_r = 42.813$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C; Liquid Temperature : 22.6°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(9.33, 8.33, 9.64) @ 902.75 MHz; Calibrated: 2025/5/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -29.0, 31.0$
- 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 (8x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 5.42 W/kg

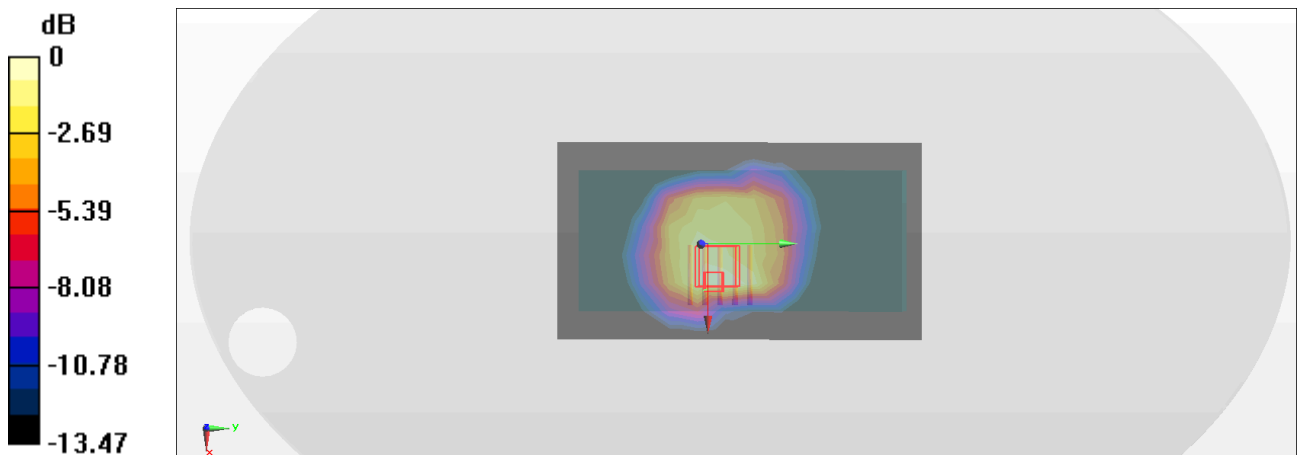
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 64.07 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 7.11 W/kg

SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.63 W/kg

Maximum value of SAR (measured) = 5.57 W/kg



0 dB = 5.57 W/kg = 7.46 dBW/kg