

Appendix B - SAR Measurement

Test Laboratory: TUV Inc.

Date: 2026/9/10

03_WLAN2.4GHz_802.11b 1Mbps_Front Face_0mm_Ch11

DUT: AiLens Ultra

Communication System: UID 0, 01 WLAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1.26009

Medium: HSL2.4G_260910 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 39.913$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.4°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(6.98, 6.88, 8.06) @ 2462 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -19.0, 23.0$
- 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 (16x19x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.546 W/kg

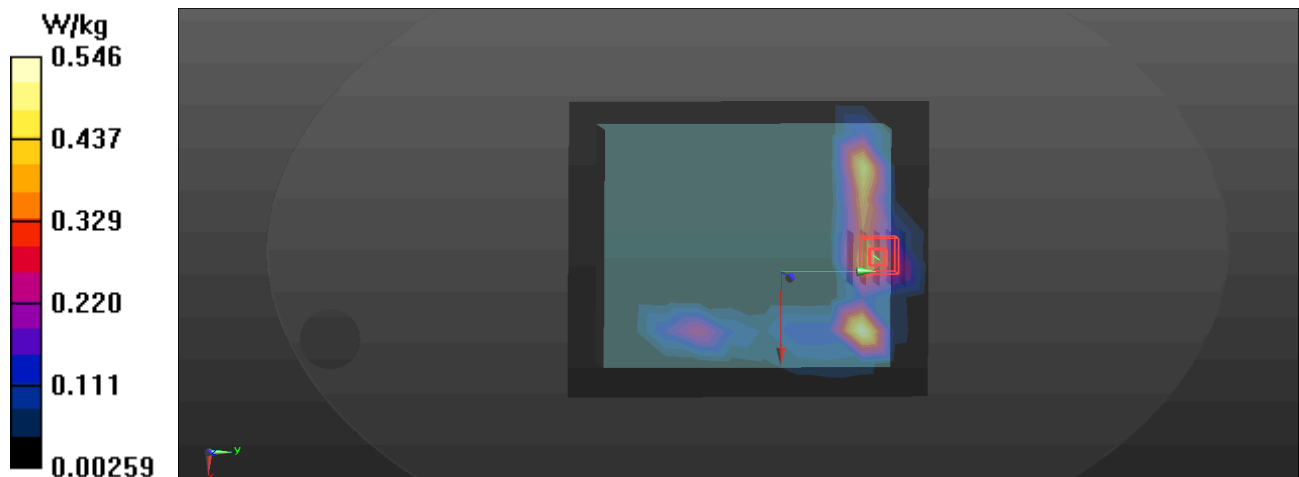
Zoom Scan (5x5x5)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 1.611 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.239 W/kg

Maximum value of SAR (measured) = 0.893 W/kg



07_WLAN5GHz_802.11a 6Mbps_Front Face_0mm_Ch40**DUT: AiLens Ultra**

Communication System: UID 0, 01 WLAN (0); Frequency: 5200 MHz; Duty Cycle: 1:1.26707

Medium: HSL5G_260911 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.507$ S/m; $\epsilon_r = 35.97$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.2°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(5.27, 5.2, 6.09) @ 5200 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -19.0, 23.0$
- 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 (19x23x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.0281 W/kg

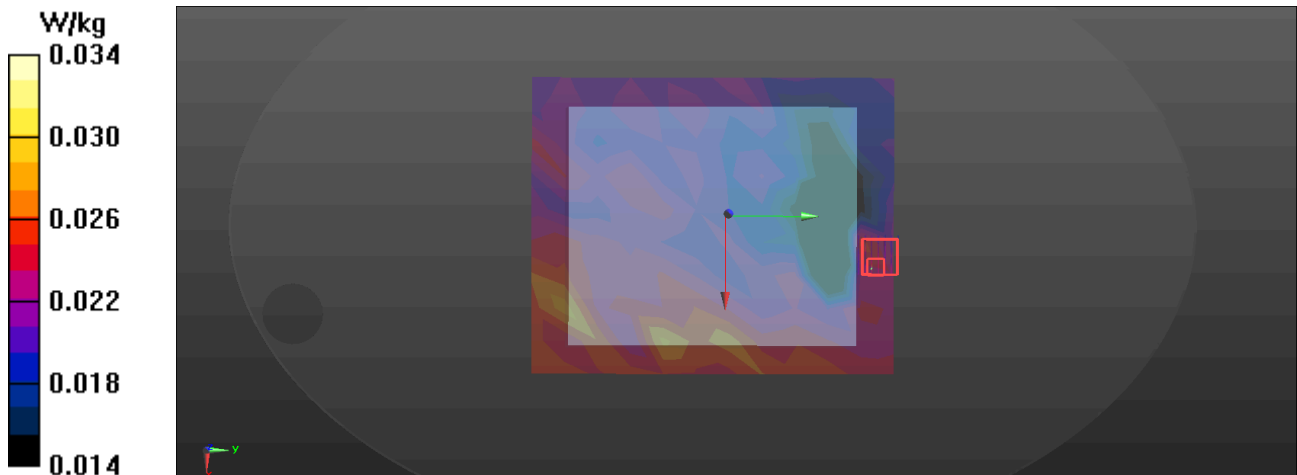
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 2.460 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.0550 W/kg

SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.0339 W/kg



10_WLAN5GHz_802.11a 6Mbps_Front Face_0mm_Ch64**DUT: AiLens Ultra**

Communication System: UID 0, 01 WLAN (0); Frequency: 5320 MHz; Duty Cycle: 1:1.26707

Medium: HSL5G_260911 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.644$ S/m; $\epsilon_r = 35.749$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.2°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(5.27, 5.2, 6.09) @ 5320 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -19.0, 23.0$
- 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 (19x23x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.0397 W/kg

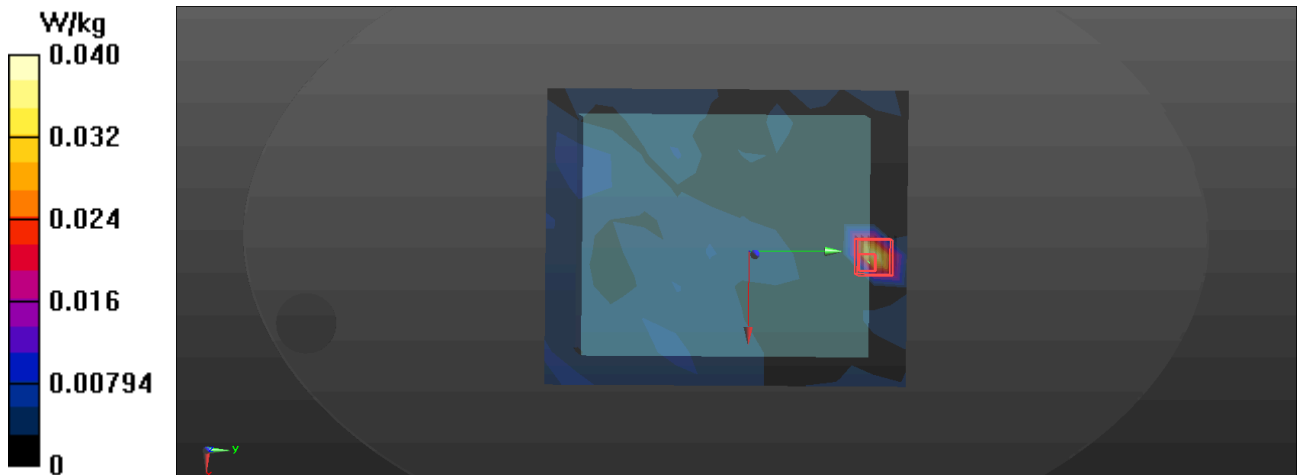
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 1.057 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.00291 W/kg; SAR(10 g) = 0.000292 W/kg

Maximum value of SAR (measured) = 0.0879 W/kg



15_WLAN5GHz_802.11ac VHT40 MCS0_Front Face_0mm_Ch134**DUT: AiLens Ultra**

Communication System: UID 0, 01 WLAN (0); Frequency: 5670 MHz; Duty Cycle: 1:1.26241

Medium: HSL5G_260911 Medium parameters used: $f = 5670$ MHz; $\sigma = 5.033$ S/m; $\epsilon_r = 35.132$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.2°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(4.67, 4.61, 5.39) @ 5670 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -19.0, 23.0$
- 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 (19x23x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.105 W/kg

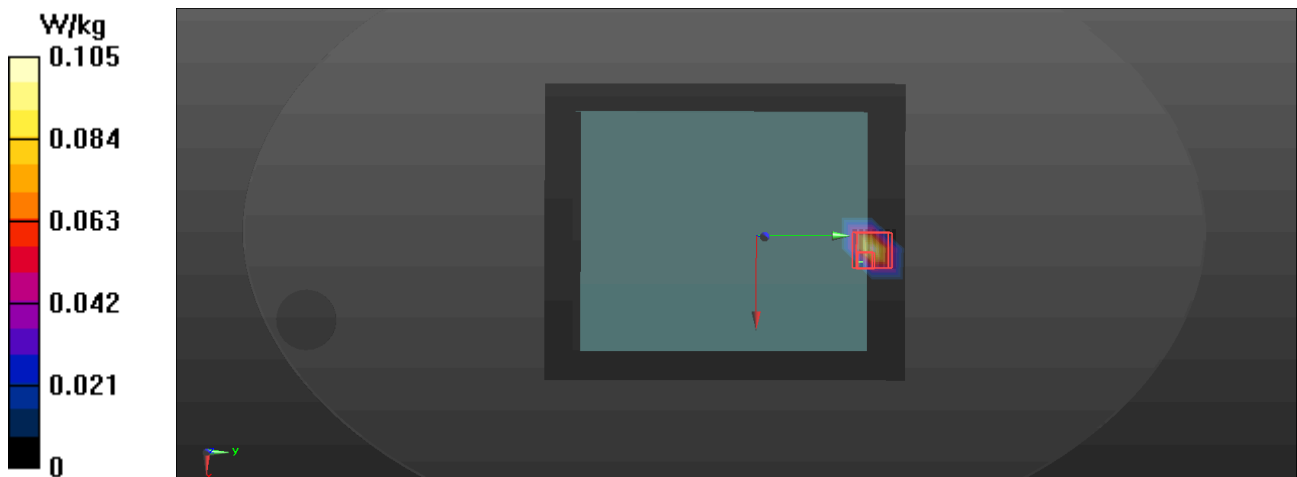
Configuration///Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 0 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.011 W/kg

Maximum value of SAR (measured) = 0.300 W/kg



17_WLAN5GHz_802.11a 6Mbps_Front Face_0mm_Ch165**DUT: AiLens Ultra**

Communication System: UID 0, 01 WLAN (0); Frequency: 5825 MHz; Duty Cycle: 1:1.26707

Medium: HSL5G_260911 Medium parameters used (interpolated): $f = 5825$ MHz; $\sigma = 5.214$ S/m; $\epsilon_r =$

34.877; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.2°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(4.73, 4.67, 5.47) @ 5825 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -19.0, 23.0$
- 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 (19x23x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.168 W/kg

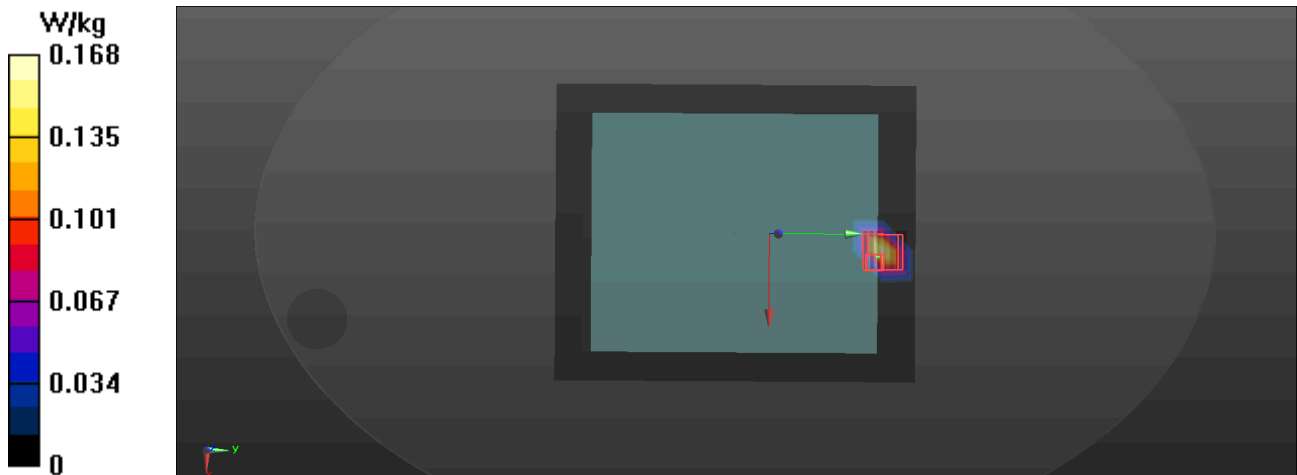
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 0 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.023 W/kg

Maximum value of SAR (measured) = 0.546 W/kg



19_Bluetooth_BR-DH5_Front Face_0mm_Ch0**DUT: AiLens Ultra**

Communication System: UID 0, 01 Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1:1.34896

Medium: HSL2.4G_260910 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.767$ S/m; $\epsilon_r = 40.064$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.4°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(6.98, 6.88, 8.06) @ 2402 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -19.0, 23.0$
- 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 (19x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.0548 W/kg

Zoom Scan (5x5x5)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.526 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.0885 W/kg

