

Appendix B - SAR Measurement

Test Laboratory: TUV Inc.

Date: 2025/5/7

02_WLAN5GHz_802.11a 6Mbps_Front Face_5mm_Ch48

DUT: WDC15T

Communication System: WLAN; Frequency: 5240 MHz; Duty Cycle: 1:1.027

Medium: HSL5G_250507 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.614$ S/m; $\epsilon_r = 35.827$; $\rho = 1000$ 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) @ 5240 MHz; Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -29.0, 23.0$
- 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 (13x13x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.62 W/kg

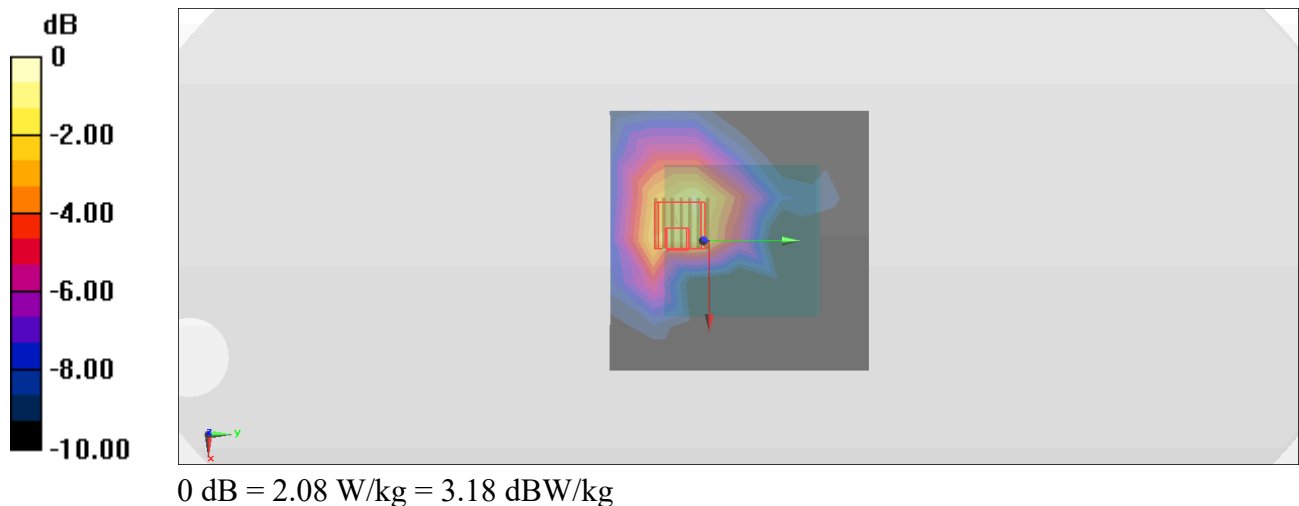
Configuration///Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 11.86 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 3.47 W/kg

SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.498 W/kg

Maximum value of SAR (measured) = 2.08 W/kg



08_WLAN5GHz_802.11a 6Mbps_Front Face_5mm_Ch165**DUT: WDC15T**

Communication System: WLAN; Frequency: 5825 MHz; Duty Cycle: 1:1.027

Medium: HSL5G_250507 Medium parameters used: $f = 5825$ MHz; $\sigma = 5.237$ S/m; $\epsilon_r = 34.741$; $\rho = 1000$ 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) @ 5825 MHz; Calibrated: 2024/6/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -29.0, 23.0$
- 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 (13x13x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.85 W/kg

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

Reference Value = 5.985 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 8.85 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.396 W/kg

Maximum value of SAR (measured) = 2.72 W/kg

