

Appendix B - SAR Measurement

Test Laboratory: TUV Inc.

Date: 2026/3/27

25_WLAN5GHz_802.11a 6Mbps_Front Face_5mm_Ch64

DUT: AI PIN

Communication System: WLAN; Frequency: 5320 MHz; Duty Cycle: 1:1.057

Medium: HSL5G_260327 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.645$ S/m; $\epsilon_r = 35.664$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.5°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(5.5, 4.91, 5.68) @ 5320 MHz; Calibrated: 2025/5/21
- 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 (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.50 W/kg

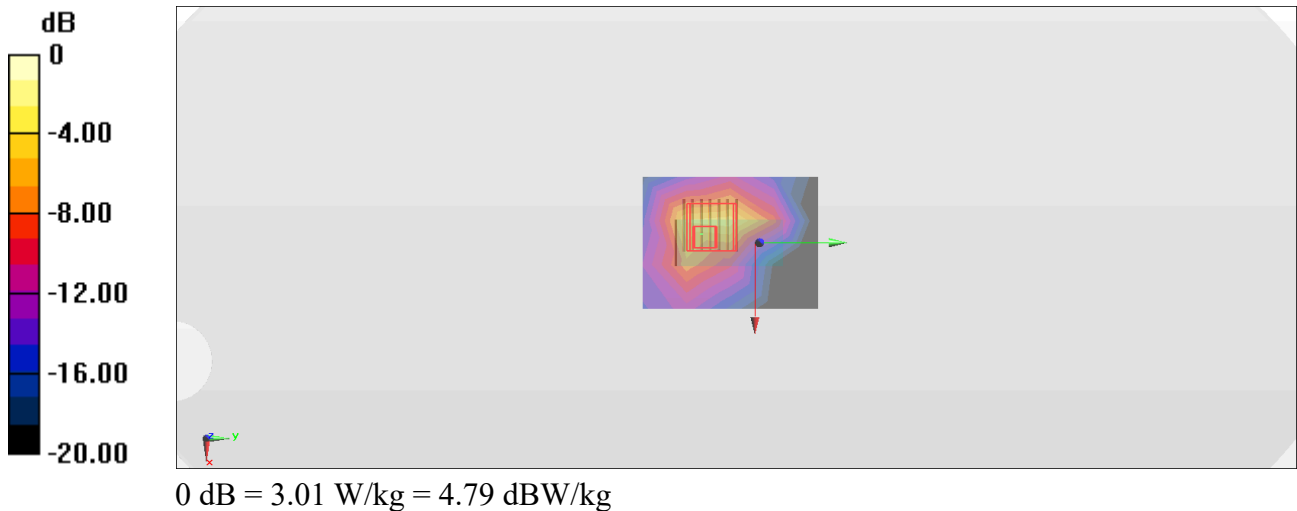
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 21.21 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 5.22 W/kg

SAR(1 g) = 1.31 W/kg; SAR(10 g) = 0.429 W/kg

Maximum value of SAR (measured) = 3.01 W/kg



37_WLAN5GHz_802.11a 6Mbps_Left Side_5mm_Ch100**DUT: AI PIN**

Communication System: WLAN; Frequency: 5500 MHz; Duty Cycle: 1:1.057

Medium: HSL5G_260327 Medium parameters used: $f = 5500$ MHz; $\sigma = 4.839$ S/m; $\epsilon_r = 35.366$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.5°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), $z = -19.0, 23.0$
- 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 (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.541 W/kg

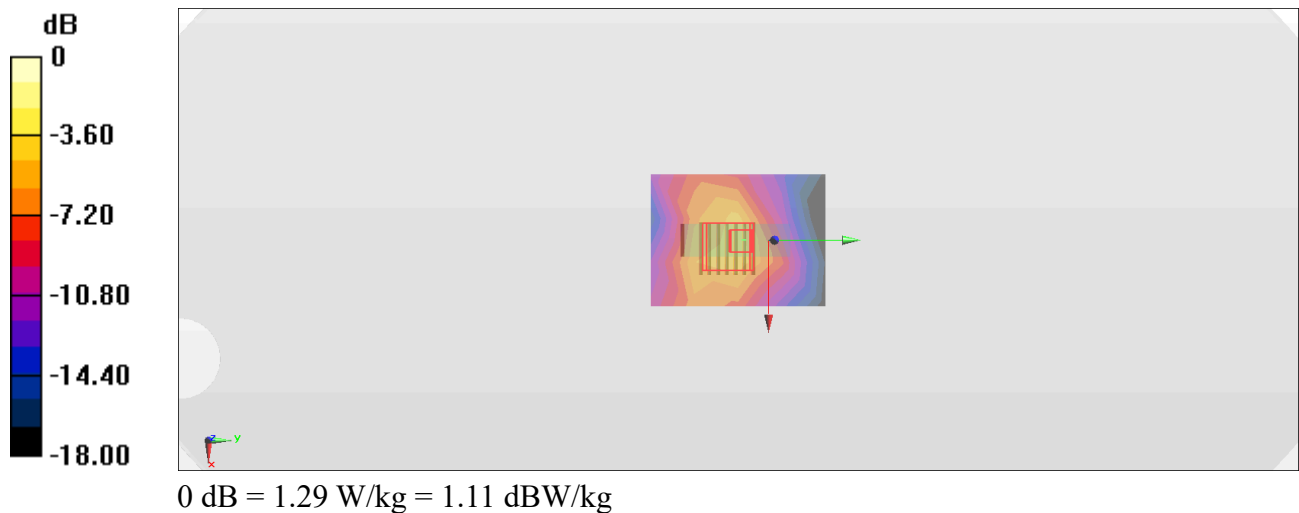
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 16.57 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.163 W/kg

Maximum value of SAR (measured) = 1.29 W/kg



35_WLAN5GHz_802.11a 6Mbps_Left Side_5mm_Ch165**DUT: AI PIN**

Communication System: WLAN; Frequency: 5825 MHz; Duty Cycle: 1:1.057

Medium: HSL5G_260327 Medium parameters used: $f = 5825$ MHz; $\sigma = 5.212$ S/m; $\epsilon_r = 34.796$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.5°C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(5.21, 4.66, 5.39) @ 5825 MHz; Calibrated: 2025/5/21
- 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 (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.864 W/kg

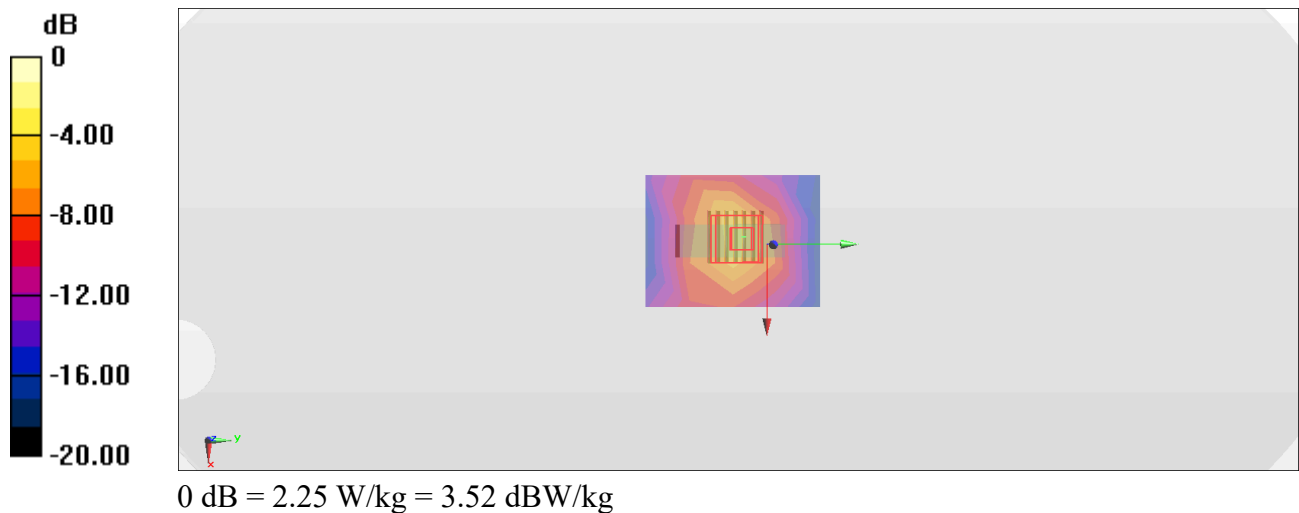
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 20.64 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.69 W/kg

SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 2.25 W/kg



16_Bluetooth_LE_2Mbps_Left Side_5mm_Ch0**DUT: AI PIN**

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.162

Medium: HSL2450_260326 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.791$ S/m; $\epsilon_r = 40.243$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.9 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(7.07, 6.32, 7.31) @ 2402 MHz; Calibrated: 2025/5/21
- 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 (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.216 W/kg

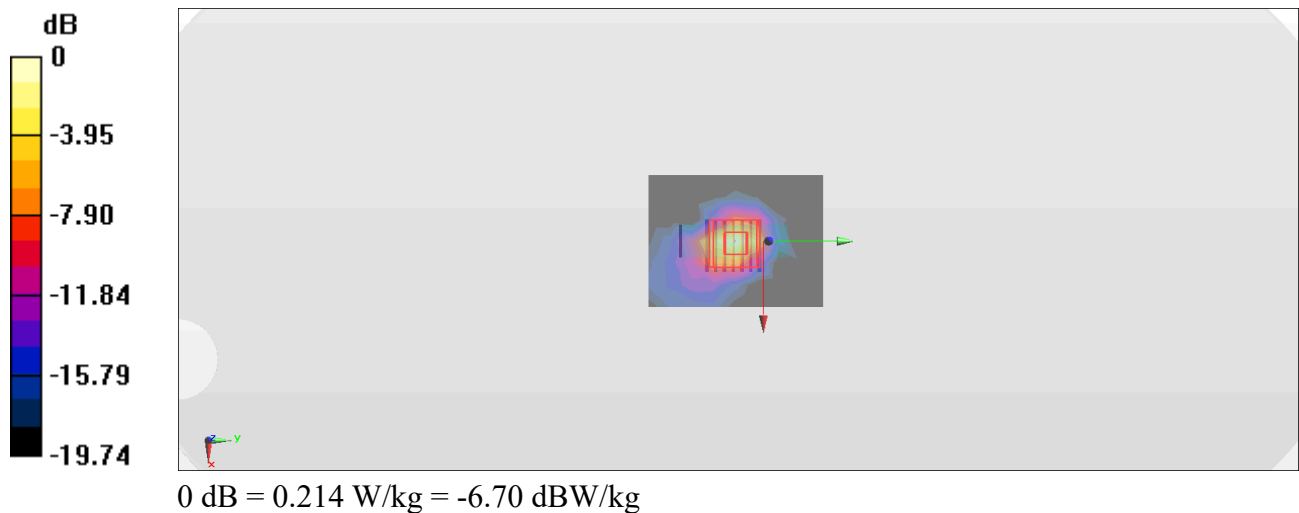
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 11.82 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.297 W/kg

SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.040 W/kg

Maximum value of SAR (measured) = 0.214 W/kg



58_WLAN5GHz_802.11a 6Mbps_Rear Face_0mm_Ch60**DUT: AI PIN**

Communication System: WLAN; Frequency: 5300 MHz; Duty Cycle: 1:1.057

Medium: HSL5G_260330 Medium parameters used: $f = 5300$ MHz; $\sigma = 4.618$ S/m; $\epsilon_r = 35.332$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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) @ 5300 MHz; Calibrated: 2025/5/21
- 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 (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.954 W/kg

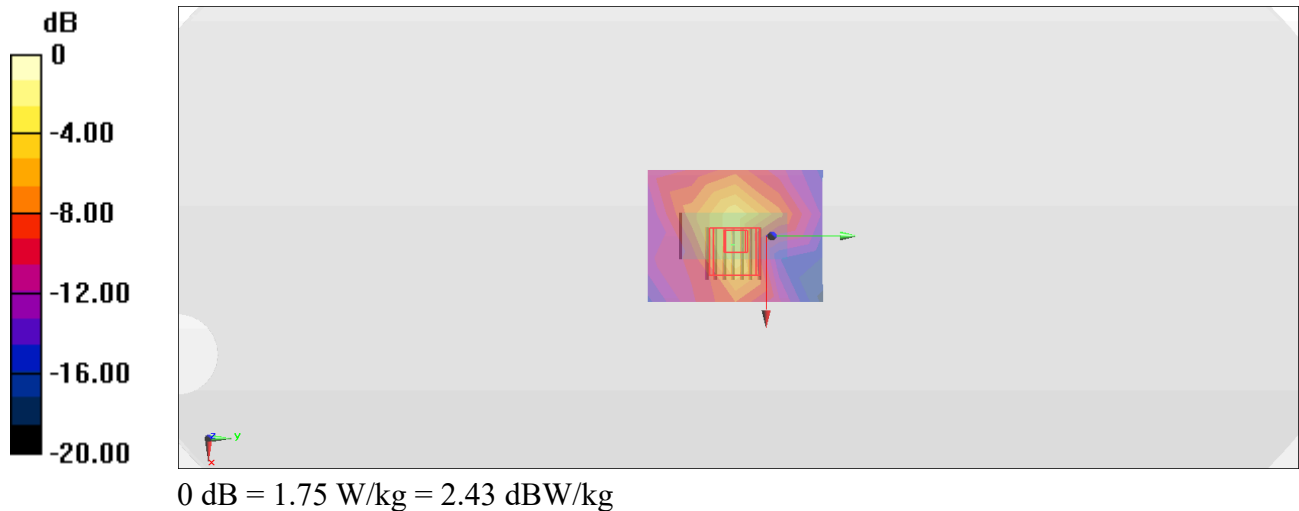
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 20.54 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.98 W/kg

SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.262 W/kg

Maximum value of SAR (measured) = 1.75 W/kg



60_WLAN5GHz_802.11a 6Mbps_Rear Face_0mm_Ch100**DUT: AI PIN**

Communication System: WLAN; Frequency: 5500 MHz; Duty Cycle: 1:1.057

Medium: HSL5G_260330 Medium parameters used: $f = 5500$ MHz; $\sigma = 4.839$ S/m; $\epsilon_r = 34.971$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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) @ 5500 MHz; Calibrated: 2025/5/21
- 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 (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.445 W/kg

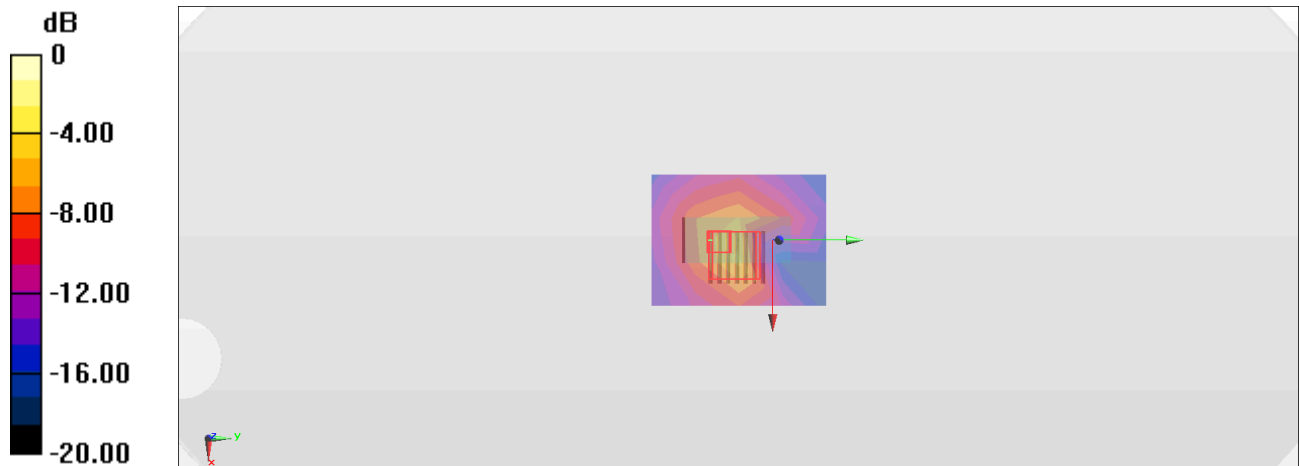
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 14.48 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 1.36 W/kg



0 dB = 1.36 W/kg = 1.34 dBW/kg

66_WLAN5GHz_802.11a 6Mbps_Rear Face_0mm_Ch165**DUT: AI PIN**

Communication System: WLAN; Frequency: 5825 MHz; Duty Cycle: 1:1.057

Medium: HSL5G_260330 Medium parameters used: $f = 5825$ MHz; $\sigma = 5.212$ S/m; $\epsilon_r = 34.388$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °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) @ 5825 MHz; Calibrated: 2025/5/21
- 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 (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.04 W/kg

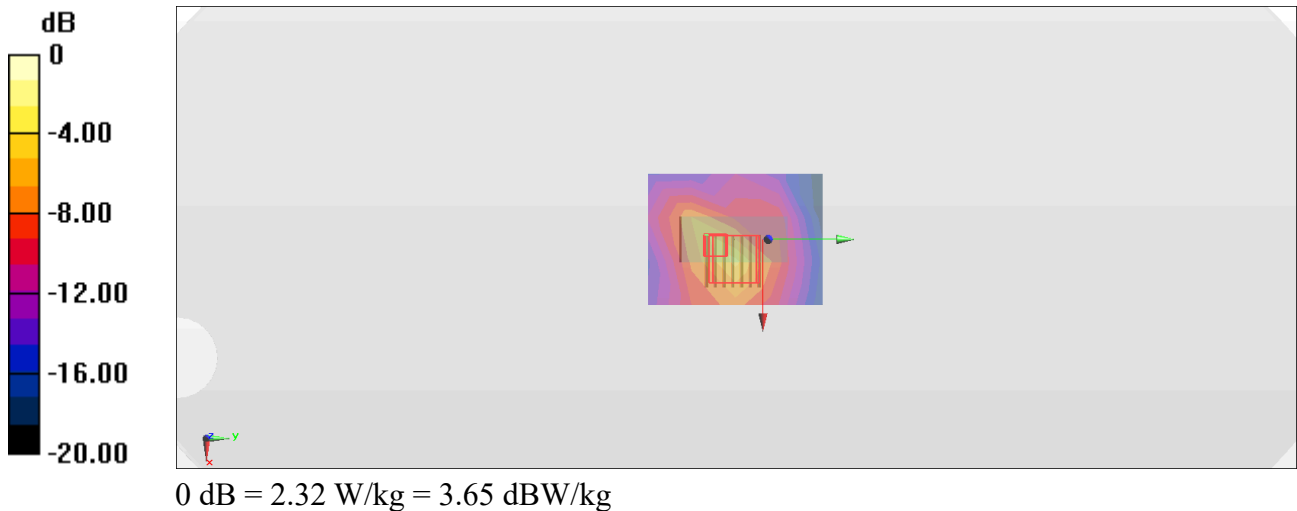
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 17.69 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 4.26 W/kg

SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.264 W/kg

Maximum value of SAR (measured) = 2.32 W/kg



09_Bluetooth_LE_2Mbps_Rear Face_0mm_Ch39**DUT: AI PIN**

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.162

Medium: HSL2450_260326 Medium parameters used: $f = 2480$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 40.065$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.9 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2025/4/23
- Probe: EX3DV4 - SN7400; ConvF(7.07, 6.32, 7.31) @ 2480 MHz; Calibrated: 2025/5/21
- 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 (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.0247 W/kg

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

Reference Value = 1.722 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0380 W/kg

SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.009 W/kg

Maximum value of SAR (measured) = 0.0283 W/kg

