

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab

Date: 2025/4/28

## System Check\_Head\_2450MHz

### DUT: D2450V2-806

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL\_2450\_250428 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.753$  S/m;  $\epsilon_r = 39.121$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.5 °C

### DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(7.21, 7.12, 7.61) @ 2450 MHz; Calibrated: 2024/8/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn853; Calibrated: 2024/8/7
- Phantom: SAM\_Left; Type: QD 000 P40 CD; Serial: TP:1801
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Pin=50mW/Area Scan (81x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 4.32 W/kg

**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.28 V/m; Power Drift = -0.14 dB

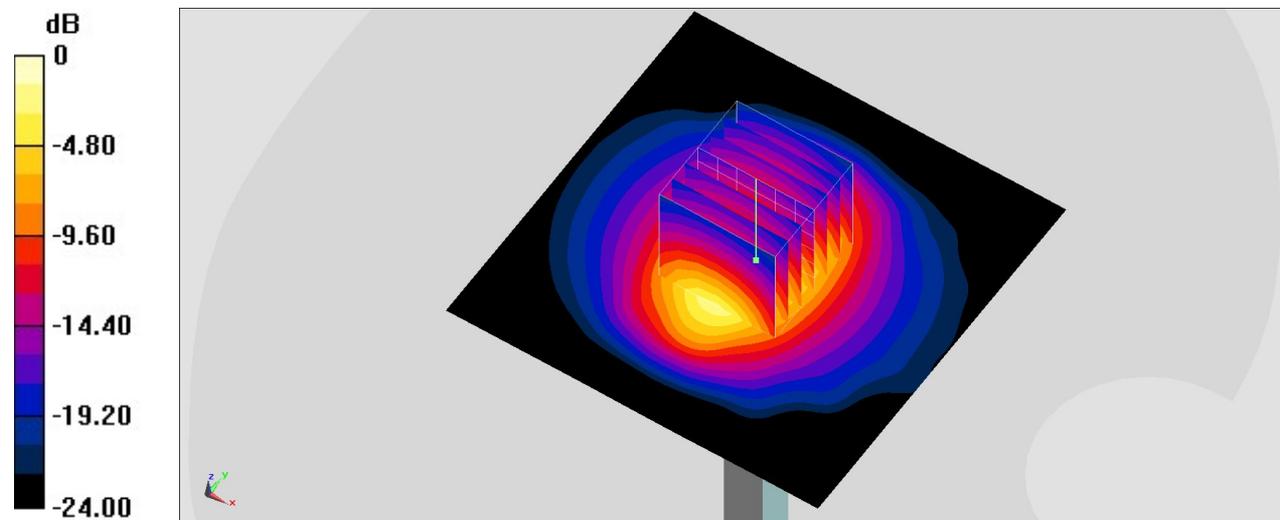
Peak SAR (extrapolated) = 4.71 W/kg

**SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.14 W/kg**

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 52.6%

Maximum value of SAR (measured) = 3.92 W/kg



0 dB = 3.92 W/kg = 5.94 dBW/kg