



Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 2450 MHz Head





Test Laboratory: LCS-SAR Lab

System Check_2450Mhz

DUT: D2450V2; Type: D2450V2; Serial:808

Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.794$ S/m; $\epsilon_r = 39.441$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.43, 7.43, 7.43); Calibrated: 2025/2/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (4x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 9.76 W/kg

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

Reference Value = 47.35 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.43 W/kg; SAR(10 g) = 2.54 W/kg

Maximum value of SAR (measured) = 9.48 W/kg

