

# Appendix A

## Detailed System Check Results

### 1. System Performance Check

#### System Performance Check 2450 MHz Head



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System Performance Check 2450 MHz Head-0317

D2450V2-SN 733

Communication System: ; Frequency: 2450.000  
Medium: Head Simulating Liquid. Medium parameters used:  $f= 2450.000$  MHz;  $\sigma= 1.83$  S/m;  $\epsilon_r = 39.2$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.13, 6.8, 7.01); Calibrated: 2024-11-20
  - Sensor-Surface: 1.4 mm
  - Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
  - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
  - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm  
SAR (1g) = 13.4 W/kg; SAR (10g) = 6.36 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm  
Power Drift = -0.01 dB  
SAR (1g) = 13.6 W/kg; SAR (10g) = 6.31 W/kg;  
M2/M1 [%]=80.1  
Dist 3dB Peak [mm]=9.1

