

# Appendix A

## Detailed System Check Results

### 1. System Performance Check

#### System Performance Check 2450 MHz Head

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**System Performance Check 2450MHz Head****D2450V2-SN 733**

Communication System: ; Frequency: 2450.000

Medium: Head Simulating Liquid. Medium parameters used:  $f = 2450.000$  MHz;  $\sigma = 1.79$  S/m;  $\epsilon_r = 39.3$ 

DASY8 Configuration:

- Probe: EX3DV4 - SN7821; ConvF(7.5, 7.5, 7.5); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- 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) = 12.6 W/kg; SAR (10g) = 6.06 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 = -0.05 dB

**SAR (1g) = 13.1 W/kg; SAR (10g) = 6.07 W/kg;**

M2/M1 [%]=78.9

Dist 3dB Peak [mm]=9.3

