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## Appendix A. System Check Data

Test Laboratory: DEKRA

Date: 2026-05-25

**System Performance Check\_2450MHz-Head**

Communication System: UID 0--, CW; Frequency: 2450.000 MHz

Medium parameters used:  $f = 2450.000$  MHz; Conductivity = 1.78 S/m; Permittivity = 39.2

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(6.9, 7.19, 6.96); Calibrated: 2026-04-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2026-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

**Area Scan (40.0 mm x 80.0 mm ):** Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 12.5 W/kg; SAR (10 g) = 5.79 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(1 g) = 12.8 W/kg; SAR(10 g) = 6.16 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1

Ratio of SAR at M2 to SAR at M1 = 81.6

