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## Appendix A. System Check Data

Test Laboratory: DEKRA

Date: 2024/09/26

**System Performance Check\_2450MHz-Head****DUT: Dipole 2450 MHz; Type: D2450V2**

Communication System: UID 0, CW; Frequency: 2450 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.78$  S/m;  $\epsilon_r = 39.43$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

**DASY Configuration:**

- Probe: EX3DV4 - SN3698; ConvF(7.15, 7.15, 7.15) @ 2450 MHz; Calibrated: 2023/11/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2023/11/22
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/2450MHz-Head/Area Scan (8x9x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 18.9 W/kg**Configuration/2450MHz-Head/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 113.1 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 24.5 W/kg

**SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.81 W/kg**

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 47%

Maximum value of SAR (measured) = 21.7 W/kg

