Appendix A. System Check Data

Test Laboratory: DEKRA Date: 2025/03/07

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; σ = 1.79 S/m; ε_r = 39.05; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.39, 8.11, 6.76) @ 2450 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/2450MHz-Head/Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 20.3 W/kg

Configuration/2450MHz-Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 108.2 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 24.6 W/kg
SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.4 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 54.4%
Maximum value of SAR (measured) = 20.6 W/kg