Appendix A. System Check Data

Test Laboratory: DEKRA Date: 2024/06/25

System Performance Check_1640MHz-Head

DUT: D1640V2; Type: D1640V2

Communication System: UID 0, CW; Frequency: 1640 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 1640 MHz; σ = 1.29 S/m; ε_r = 40.23; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN7631; ConvF(8.76, 8.76, 8.76) @ 1640 MHz; Calibrated: 2024/02/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1651; Calibrated: 2024/02/15
- Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 2030
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/1640MHz Head/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.4 W/kg

Configuration/1640MHz Head/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 97.62 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 15.1 W/kg
SAR(1 g) = 8.17 W/kg; SAR(10 g) = 4.5 W/kg
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 56.5%
Maximum value of SAR (measured) = 12.3 W/kg