Appendix A. System Check Data

Test Laboratory: DEKRA Date: 2023/11/16

System Performance Check_2450MHz-Head

DUT: Dipole 2450 MHz; Type: D2450V2

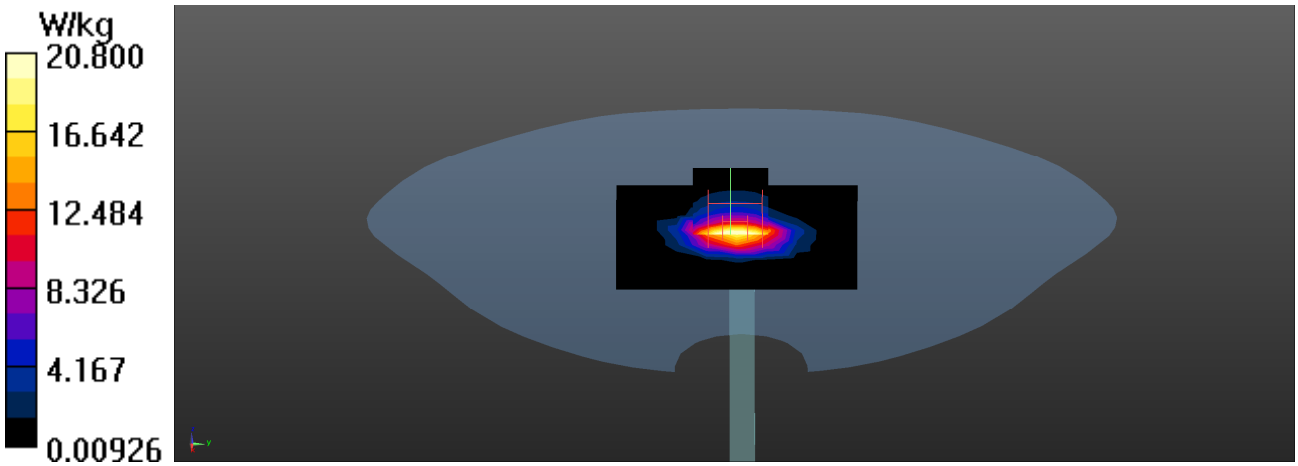
Communication System: UID 0, CW; Frequency: 2450 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 2450 MHz; σ = 1.81 S/m; ε_r = 40.57; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(7.58, 7.58, 7.58) @ 2450 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2022/11/23
- Phantom: SAM with right 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) = 20.8 W/kg

Configuration/2450MHz-Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 117.7 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 26.9 W/kg
SAR(1 g) = 14 W/kg; SAR(10 g) = 6.37 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 46.9%
Maximum value of SAR (measured) = 23.7 W/kg



Test Laboratory: DEKRA Date: 2023/11/17

System Performance Check_5250MHz-Head

DUT: Dipole 5GHz; Type: D5GHzV2

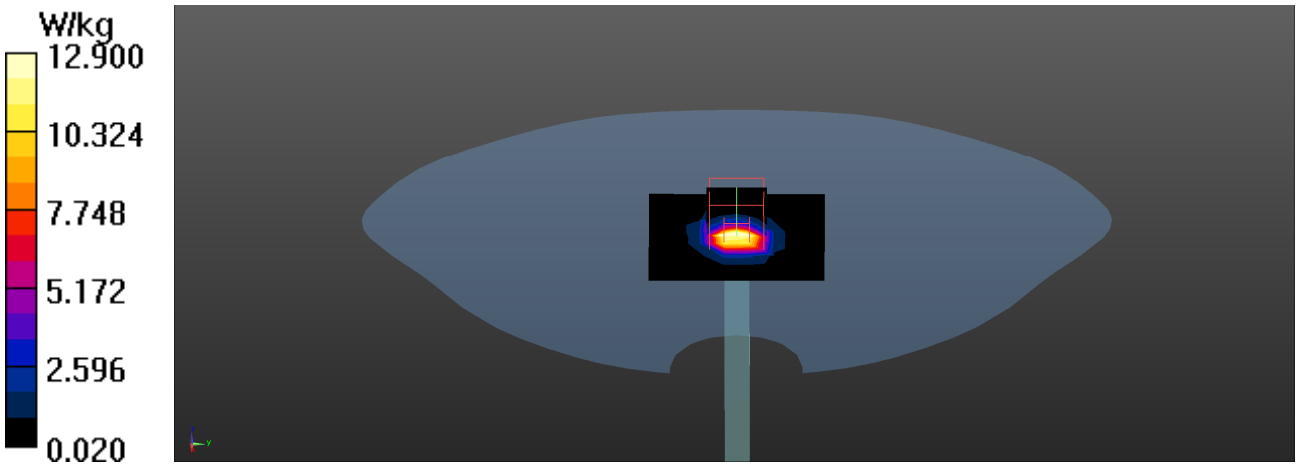
Communication System: UID 0, CW; Frequency: 5250 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 5250 MHz; σ = 4.68 S/m; ε_r = 35.91; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(4.8, 4.8, 4.8) @ 5250 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2022/11/23
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/5250MHz-Head/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 12.9 W/kg

Configuration/5250MHz-Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 74.98 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 28.7 W/kg
SAR(1 g) = 8.47 W/kg; SAR(10 g) = 2.38 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 63.5%
Maximum value of SAR (measured) = 21.8 W/kg



Test Laboratory: DEKRA Date: 2023/11/17

System Performance Check_5600MHz-Head

DUT: Dipole 5GHz; Type: D5GHzV2

Communication System: UID 0, CW; Frequency: 5600 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 5600 MHz; σ = 5.16 S/m; ε_r = 34.94; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(4.42, 4.42, 4.42) @ 5600 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2022/11/23
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/5600MHz-Head/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 13.8 W/kg

Configuration/5600MHz-Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 70.97 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 33.2 W/kg
SAR(1 g) = 8.28 W/kg; SAR(10 g) = 2.31 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 60%
Maximum value of SAR (measured) = 21.8 W/kg