Appendix A. System Check Data

Test Laboratory: DEKRA Date: 2023-11-01

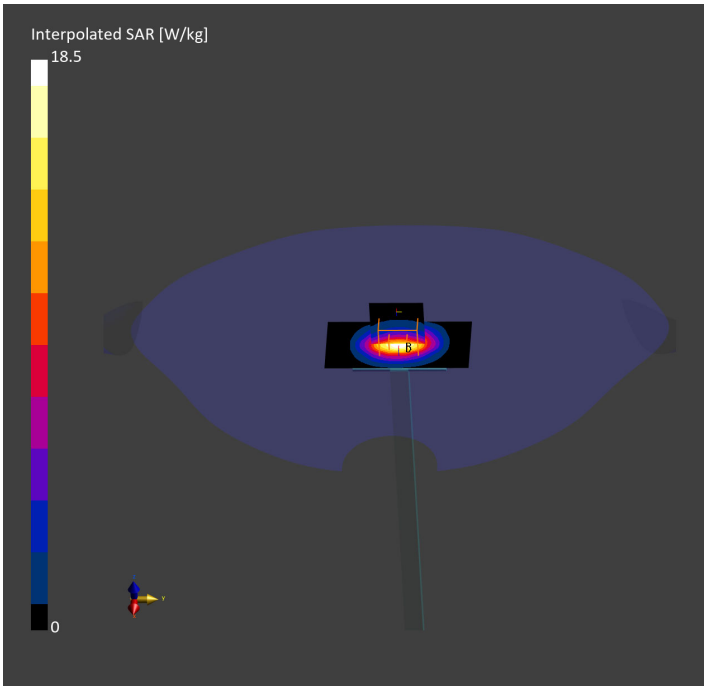
System Performance Check_2450MHz-Head

Communication System: UID 0--, CW; Frequency: 2450.000 MHz
Medium parameters used: f = 2450.000 MHz; Conductivity = 1.82 S/m; Permittivity = 40.6
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(6.59, 6.82, 6.72); Calibrated: 2023-02-01
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2023-02-01
- Phantom: Twin-SAM V8.0 (30deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (40.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 14.0 W/kg; SAR (10 g) = 6.52 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 = 0.00 dB
SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.61 W/kg
Smallest distance from peaks to all points 3 dB below = 9.0
Ratio of SAR at M2 to SAR at M1 = 80.4



Test Laboratory: DEKRA Date: 2023-11-01

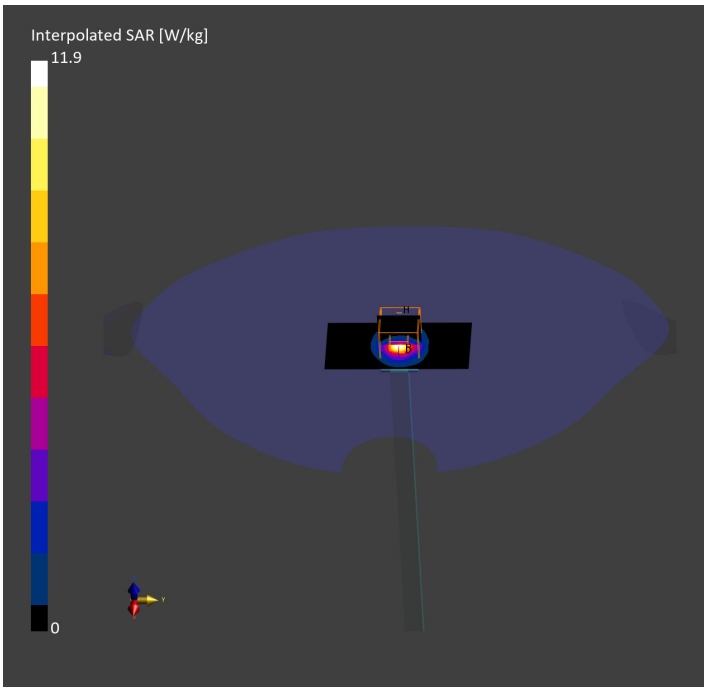
System Performance Check_5250MHz-Head

Communication System: UID 0--, CW; Frequency: 5250.000 MHz
Medium parameters used: f = 5250.000 MHz; Conductivity = 4.61 S/m; Permittivity = 36.5
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(5.22, 5.31, 5.26); Calibrated: 2023-02-01
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2023-02-01
- Phantom: Twin-SAM V8.0 (30deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (40.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 7.25 W/kg; SAR (10 g) = 2.07 W/kg

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm
Power Drift = -0.00 dB
SAR(1 g) = 7.84 W/kg; SAR(10 g) = 2.25 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4
Ratio of SAR at M2 to SAR at M1 = 63.8



Test Laboratory: DEKRA Date: 2023-11-01

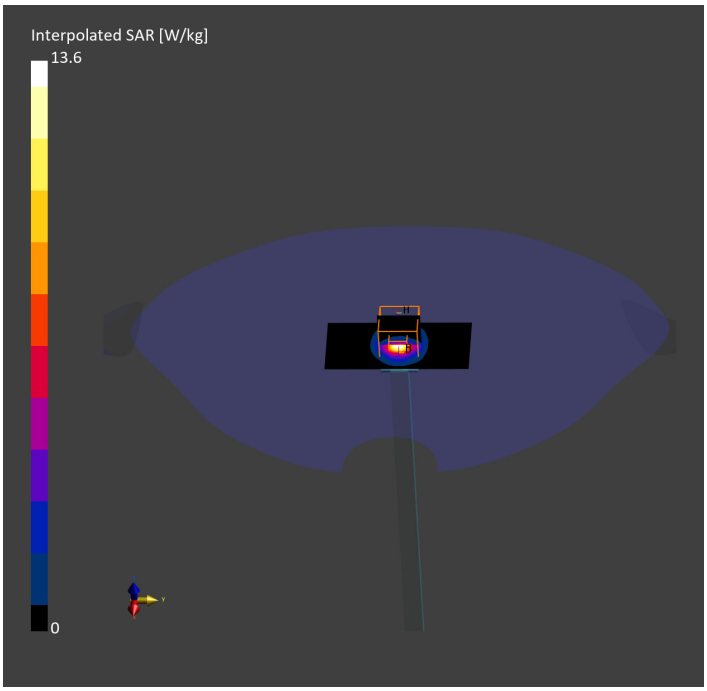
System Performance Check_5600MHz-Head

Communication System: UID 0--, CW; Frequency: 5600.000 MHz
Medium parameters used: f = 5600.000 MHz; Conductivity = 5.08 S/m; Permittivity = 35.6
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.31, 4.62, 4.51); Calibrated: 2023-02-01
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2023-02-01
- Phantom: Twin-SAM V8.0 (30deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (40.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 8.38 W/kg; SAR (10 g) = 2.37 W/kg

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm
Power Drift = -0.00 dB
SAR(1 g) = 9.08 W/kg; SAR(10 g) = 2.59 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2
Ratio of SAR at M2 to SAR at M1 = 62.0



Test Laboratory: DEKRA Date: 2023-11-01

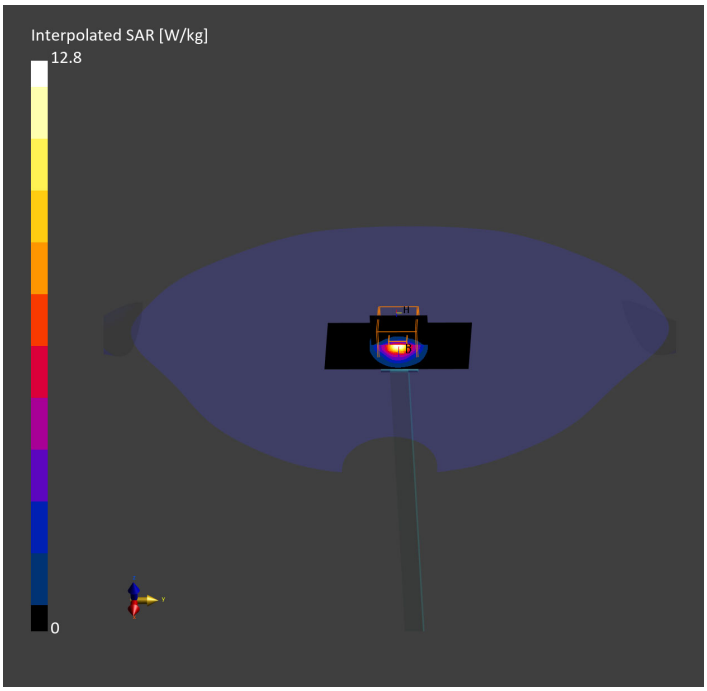
System Performance Check_5800MHz-Head

Communication System: UID 0--, CW; Frequency: 5800.000 MHz
Medium parameters used: f = 5800.000 MHz; Conductivity = 5.34 S/m; Permittivity = 35.0
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.45, 4.57, 4.5); Calibrated: 2023-02-01
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2023-02-01
- Phantom: Twin-SAM V8.0 (30deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (40.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 7.92 W/kg; SAR (10 g) = 2.23 W/kg

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm
Power Drift = -0.01 dB
SAR(1 g) = 8.39 W/kg; SAR(10 g) = 2.39 W/kg
Smallest distance from peaks to all points 3 dB below = 7.6
Ratio of SAR at M2 to SAR at M1 = 61.3



Test Laboratory: DEKRA Date: 2023-11-02

System Performance Check_6500MHz-Head

Communication System: UID 0--, CW; Frequency: 6500.000 MHz
Medium parameters used: f = 6500.000 MHz; Conductivity = 6.06 S/m; Permittivity = 35.7
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.63, 4.59, 4.78); Calibrated: 2023-02-01
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2023-02-01
- Phantom: Twin-SAM V8.0 (30deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (51.0 mm x 85.0 mm): Measurement grid: 8.5 mm x 8.5 mm
SAR (1 g) = 25.6 W/kg; SAR (10 g) = 5.14 W/kg

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 3.4 mm x 3.4 mm x 1.4 mm
Power Drift = 0.01 dB
SAR(1 g) = 30.8 W/kg; SAR(10 g) = 5.77 W/kg
psAPD (4.0cm2, sq) = 140 W/m2
Smallest distance from peaks to all points 3 dB below = 4.6
Ratio of SAR at M2 to SAR at M1 = 50.6