
Appendix A. System Check Data

Test Laboratory: DEKRA

Date: 2026/04/21

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; $\sigma = 1.77$ S/m; $\epsilon_r = 38.75$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3698; ConvF(6.64, 6.51, 6.41) @ 2450 MHz; Calibrated: 2025/11/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2025/11/13
- 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) = 20.3 W/kg

Configuration/2450MHz_Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 117.8 V/m; Power Drift = 0.07 dB

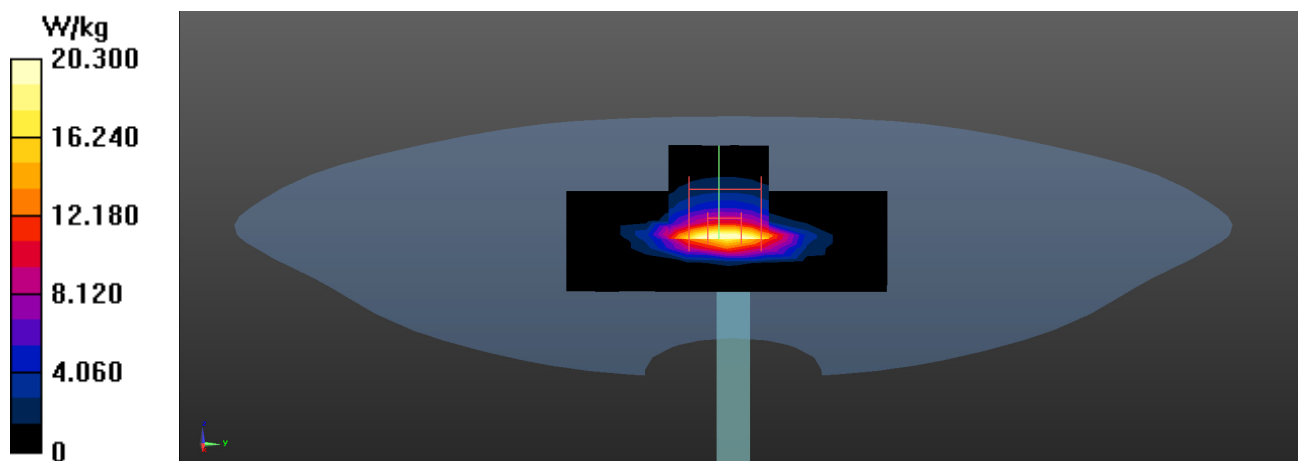
Peak SAR (extrapolated) = 26.3 W/kg

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.25 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 46.7%

Maximum value of SAR (measured) = 23.3 W/kg



Test Laboratory: DEKRA

Date: 2026/04/20

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; $\sigma = 4.61$ S/m; $\epsilon_r = 35.82$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3698; ConvF(5.11, 5, 4.93) @ 5250 MHz; Calibrated: 2025/11/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2025/11/13
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/5250MHz_Head/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 13.5 W/kg

Configuration/5250MHz_Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 74.99 V/m; Power Drift = 0.02 dB

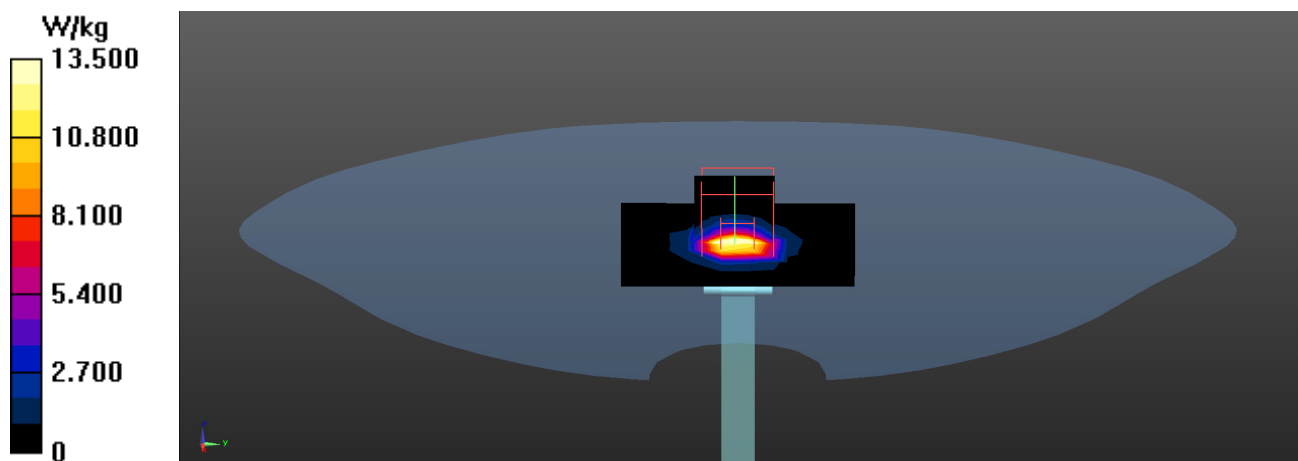
Peak SAR (extrapolated) = 28.1 W/kg

SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.28 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 62.6%

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



Test Laboratory: DEKRA

Date: 2026/04/20

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; $\sigma = 4.97$ S/m; $\epsilon_r = 35.37$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.73, 4.63, 4.57) @ 5600 MHz; Calibrated: 2025/11/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2025/11/13
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/5600MHz_Head/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 16.7 W/kg

Configuration/5600MHz_Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 72.29 V/m; Power Drift = 0.02 dB

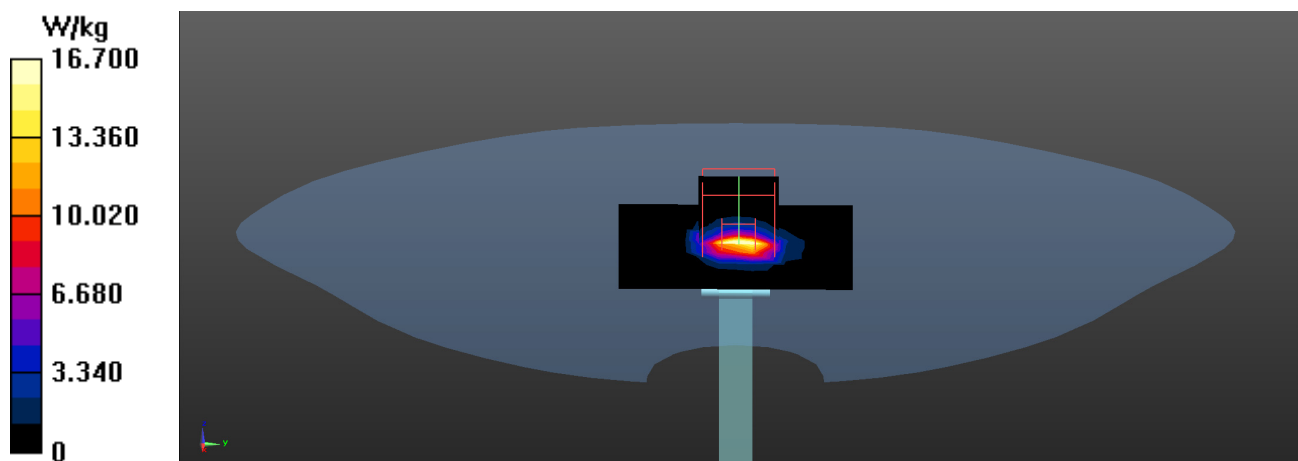
Peak SAR (extrapolated) = 32.9 W/kg

SAR(1 g) = 8.42 W/kg; SAR(10 g) = 2.39 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 61.9%

Maximum value of SAR (measured) = 23.1 W/kg



Test Laboratory: DEKRA

Date: 2026/04/20

System Performance Check_5800MHz-Head**DUT: Dipole 5GHz; Type: D5GHzV2**

Communication System: UID 0, CW; Frequency: 5800 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.17$ S/m; $\epsilon_r = 35.17$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.68, 4.58, 4.51) @ 5800 MHz; Calibrated: 2025/11/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2025/11/13
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/5800MHz_Head/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 15.6 W/kg

Configuration/5800MHz_Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 73.58 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 33.6 W/kg

SAR(1 g) = 8.18 W/kg; SAR(10 g) = 2.32 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 60.1%

Maximum value of SAR (measured) = 23.6 W/kg

