
Appendix A. System Check Data

Test Laboratory: DEKRA

Date: 2026/06/03

System Performance Check_900MHz-Head

Communication System: UID 0, CW; Frequency: 900 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.97 \text{ S/m}$; $\epsilon_r = 42.09$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7631; ConvF(10.66, 9.88, 9.61) @ 900 MHz; Calibrated: 2026/02/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1651; Calibrated: 2026/02/16
- Phantom: ELI V8.0; Type: QD OVA 004 AA; Serial: 2139
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/900MHz Head/Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 2.91 W/kg**Configuration/900MHz Head/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 60.07 V/m; Power Drift = 0.03 dB

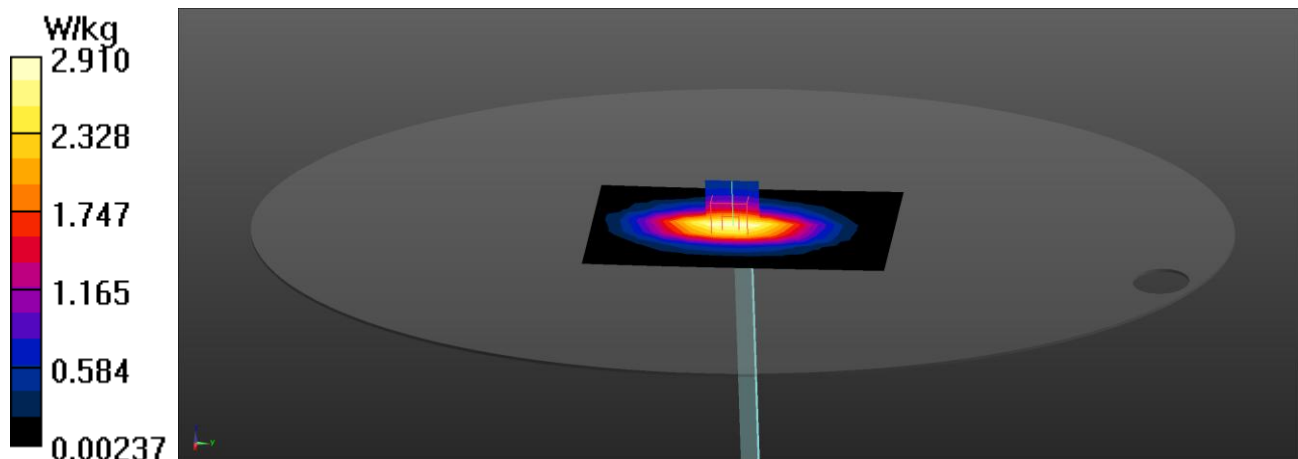
Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.64 W/kg

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 70%

Maximum value of SAR (measured) = 3.21 W/kg



Test Laboratory: DEKRA

Date: 2026-05-28

System Performance Check_2450MHz-Head

Communication System: UID 0--, CW; Frequency: 2450.000 MHz

Medium parameters used: $f = 2450.000$ MHz; Conductivity = 1.83 S/m; Permittivity = 40.2

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(6.9, 7.19, 6.96); Calibrated: 2026-04-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2026-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 12.3 W/kg; SAR (10 g) = 5.67 W/kg

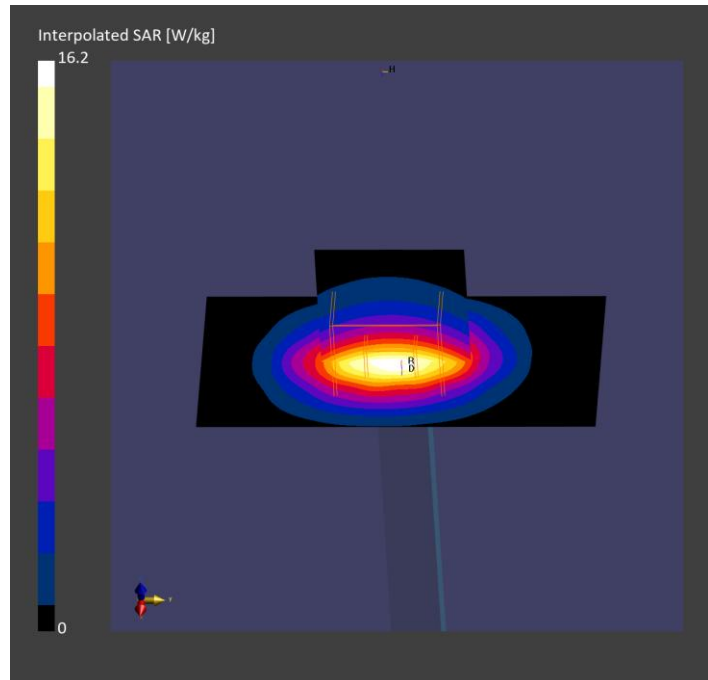
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = -0.01 dB

SAR(1 g) = 12.5 W/kg; SAR(10 g) = 6.21 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1

Ratio of SAR at M2 to SAR at M1 = 84.8



Test Laboratory: DEKRA

Date: 2026-06-01

System Performance Check_5250MHz-Head

Communication System: UID 0--, CW; Frequency: 5250.000 MHz

Medium parameters used: $f = 5250.000$ MHz; Conductivity = 4.69 S/m; Permittivity = 36.8

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(5.14, 5.35, 5.18); Calibrated: 2026-04-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2026-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 6.81 W/kg; SAR (10 g) = 1.98 W/kg

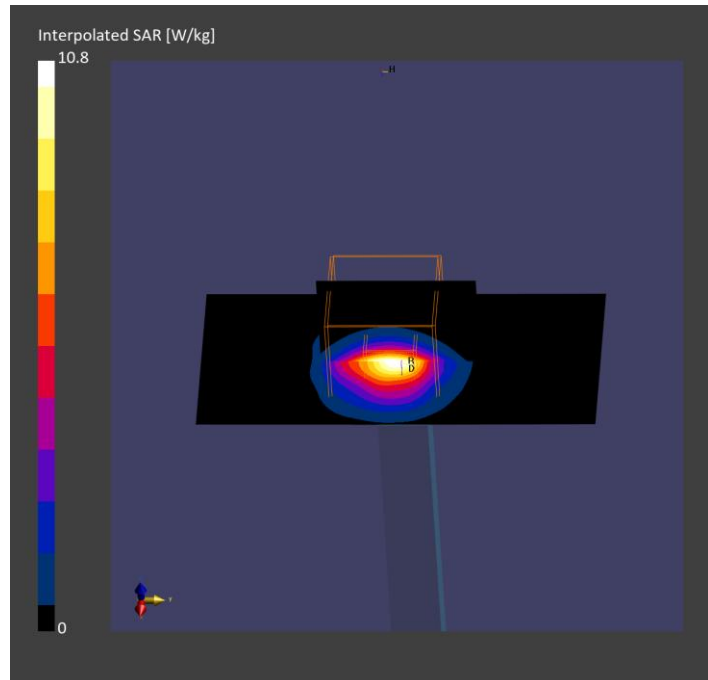
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.02 dB

SAR(1 g) = 7.60 W/kg; SAR(10 g) = 2.23 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 64.4



Test Laboratory: DEKRA

Date: 2026-06-01

System Performance Check_5600MHz-Head

Communication System: UID 0--, CW; Frequency: 5600.000 MHz

Medium parameters used: $f = 5600.000$ MHz; Conductivity = 5.16 S/m; Permittivity = 35.8

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.55, 4.74, 4.59); Calibrated: 2026-04-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2026-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 7.74 W/kg; SAR (10 g) = 2.20 W/kg

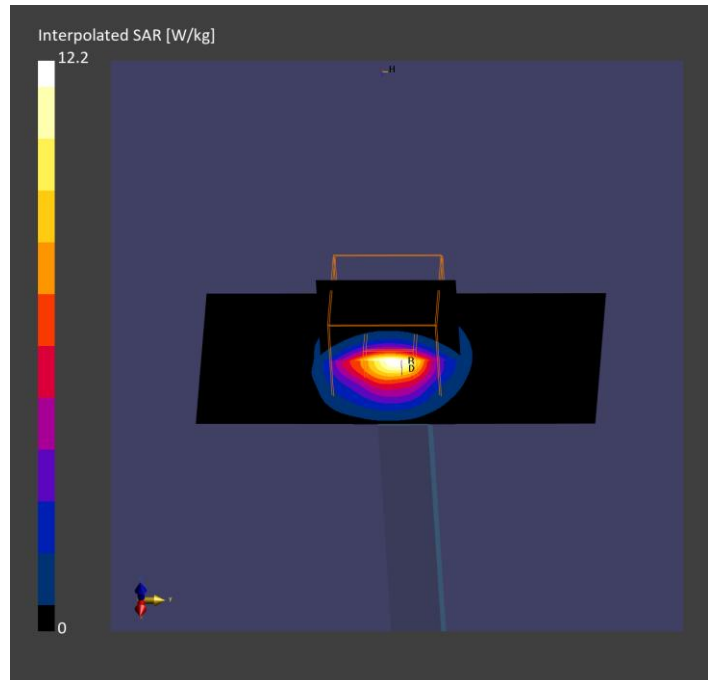
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.02 dB

SAR(1 g) = 8.38 W/kg; SAR(10 g) = 2.37 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 63.4



Test Laboratory: DEKRA

Date: 2026-06-01

System Performance Check_5800MHz-Head

Communication System: UID 0--, CW; Frequency: 5800.000 MHz

Medium parameters used: $f = 5800.000$ MHz; Conductivity = 5.42 S/m; Permittivity = 35.3

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.62, 4.82, 4.66); Calibrated: 2026-04-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2026-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 7.24 W/kg; SAR (10 g) = 2.08 W/kg

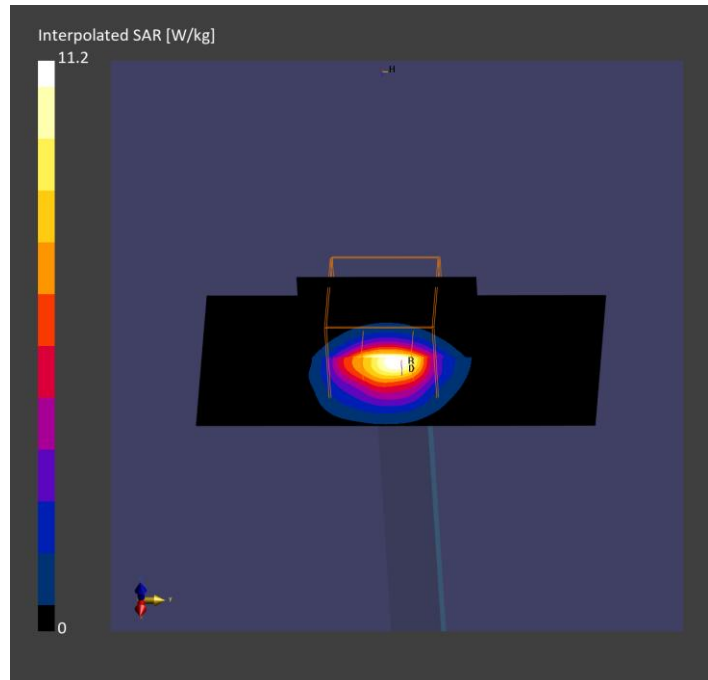
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.03 dB

SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.38 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 64.4



Test Laboratory: DEKRA

Date: 2026-06-02

System Performance Check_6500MHz-Head

Communication System: UID 0--, CW; Frequency: 6500.000 MHz

Medium parameters used: $f = 6500.000$ MHz; Conductivity = 5.93 S/m; Permittivity = 34.8

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.86, 5.07, 4.9); Calibrated: 2026-04-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2026-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (51.0 mm x 85.0 mm): Measurement grid: 8.5 mm x 8.5 mm

SAR (1 g) = 23.6 W/kg; SAR (10 g) = 5.00 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

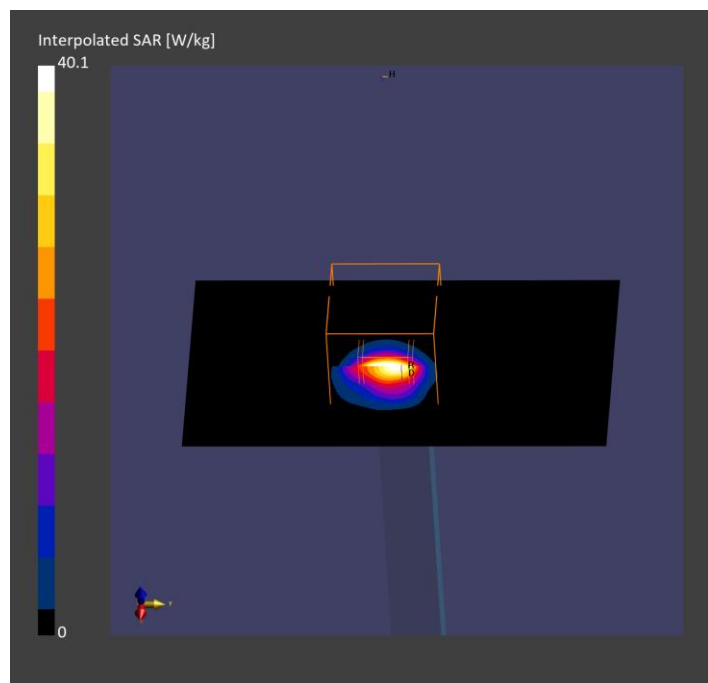
Power Drift = 0.01 dB

SAR(1 g) = 29.2 W/kg; SAR(10 g) = 5.51 W/kg

psAPD (4.0cm², sq) = 134 W/m²

Smallest distance from peaks to all points 3 dB below = 4.8

Ratio of SAR at M2 to SAR at M1 = 53.9



System Performance Check_10GHz

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
System Performance Check_10GHz	100.0 x 100.0 x 100.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1068	---Air	EUmmWV4 - SN9546_F1-55GHz, 2026-04-23	DAE4 Sn1651, 2026-02-16

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2026-06-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	168
psPDtot+ [W/m ²]	169
psPDmod+ [W/m ²]	172
E _{max} [V/m]	295
Power Drift [dB]	0.01

