
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2025-02-17

16_WLAN2.4GHz_802.11b-1M_CH6_Front_0 Degree_5mm_ANT 2

Communication System: UID 10415-AAA, WLAN; Frequency: 2437.000 MHz

Medium parameters used: $f = 2437.000$ MHz; Conductivity = 1.77 S/m; Permittivity = 40.0

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(6.73, 6.93, 6.69); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.942 W/kg; SAR (10 g) = 0.382 W/kg

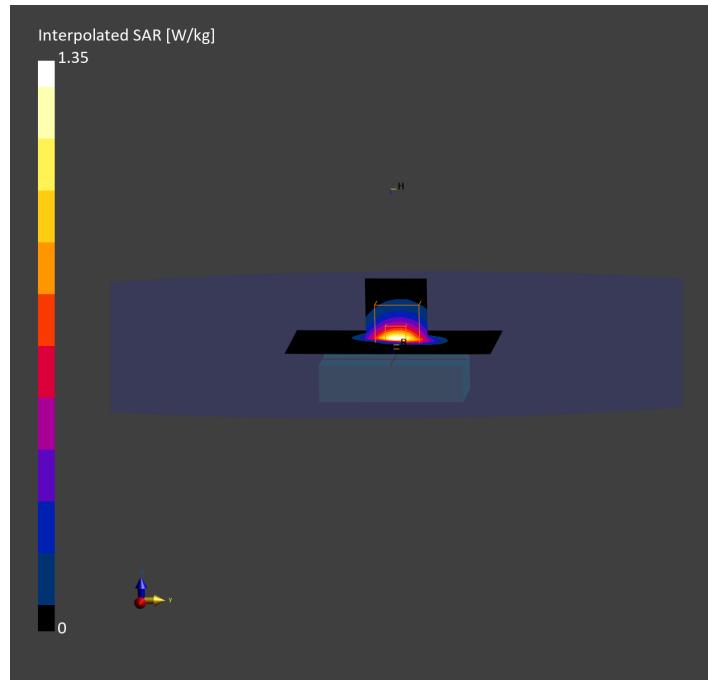
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = 0.16 dB

SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.415 W/kg

Smallest distance from peaks to all points 3 dB below = 6.5

Ratio of SAR at M2 to SAR at M1 = 76.9



Test Laboratory: DEKRA

Date: 2025-02-18

4_WLAN5GHz_802.11ac80-VHT0_CH58_Front_0 Degree_5mm_ANT 2

Communication System: UID 10544-AAD, WLAN; Frequency: 5290.000 MHz

Medium parameters used: $f = 5290.000$ MHz; Conductivity = 4.73 S/m; Permittivity = 35.7

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(5.09, 5.24, 5.17); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.765 W/kg; SAR (10 g) = 0.229 W/kg

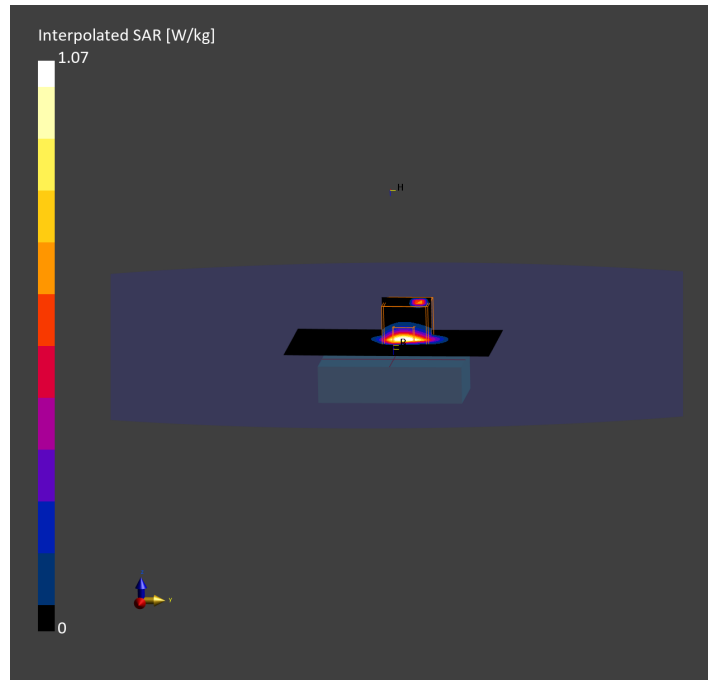
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.08 dB

SAR(1 g) = 0.925 W/kg; SAR(10 g) = 0.237 W/kg

Smallest distance from peaks to all points 3 dB below = 5.4

Ratio of SAR at M2 to SAR at M1 = 64.7



Test Laboratory: DEKRA

Date: 2025-02-19

46_WLAN5GHz_802.11ac80-VHT0_CH138_Front_0 Degree_5mm_ANT 2

Communication System: UID 10544-AAD, WLAN; Frequency: 5690.000 MHz

Medium parameters used: $f = 5690.000$ MHz; Conductivity = 5.26 S/m; Permittivity = 34.6

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.41, 4.5, 4.47); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.975 W/kg; SAR (10 g) = 0.298 W/kg

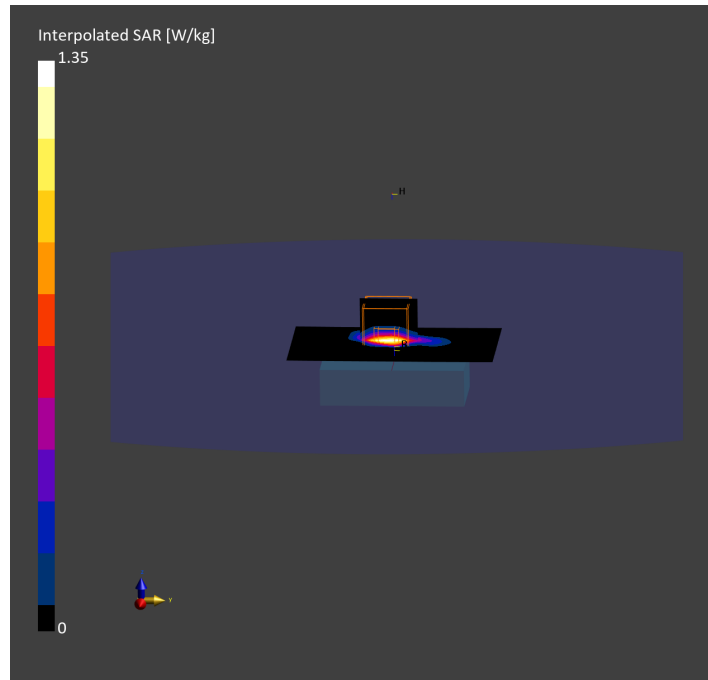
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.12 dB

SAR(1 g) = 0.985 W/kg; SAR(10 g) = 0.299 W/kg

Smallest distance from peaks to all points 3 dB below = 6.5

Ratio of SAR at M2 to SAR at M1 = 61.0



Test Laboratory: DEKRA

Date: 2025-02-19

20_WLAN5GHz_802.11ac80-VHT0_CH155_Front_0 Degree_5mm_ANT 2

Communication System: UID 10544-AAD, WLAN; Frequency: 5775.000 MHz

Medium parameters used: $f = 5775.000$ MHz; Conductivity = 5.38 S/m; Permittivity = 34.3

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.47, 4.6, 4.54); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 1.08 W/kg; SAR (10 g) = 0.310 W/kg

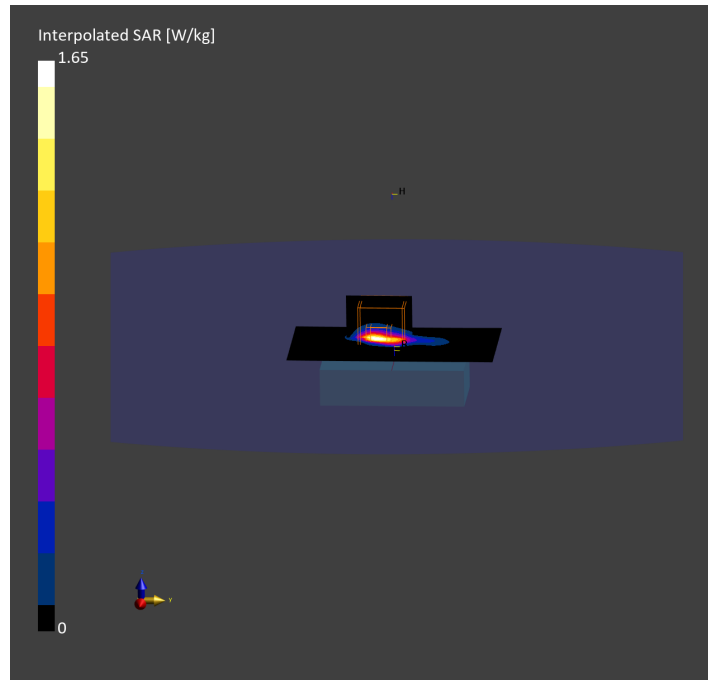
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.16 dB

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.325 W/kg

Smallest distance from peaks to all points 3 dB below = 5.8

Ratio of SAR at M2 to SAR at M1 = 61.7



Test Laboratory: DEKRA

Date: 2025-02-21

45_WLAN6GHz_802.11ax160-HE0_CH47_Front_0 Degree_5mm_ANT 2

Communication System: UID 10755-AAC, WLAN; Frequency: 6185.000 MHz

Medium parameters used: $f = 6185.000$ MHz; Conductivity = 5.88 S/m; Permittivity = 35.5

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.71, 4.83, 4.78); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (68.0 mm x 102.0 mm): Measurement grid: 8.5 mm x 8.5 mm

SAR (1 g) = 0.621 W/kg; SAR (10 g) = 0.175 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

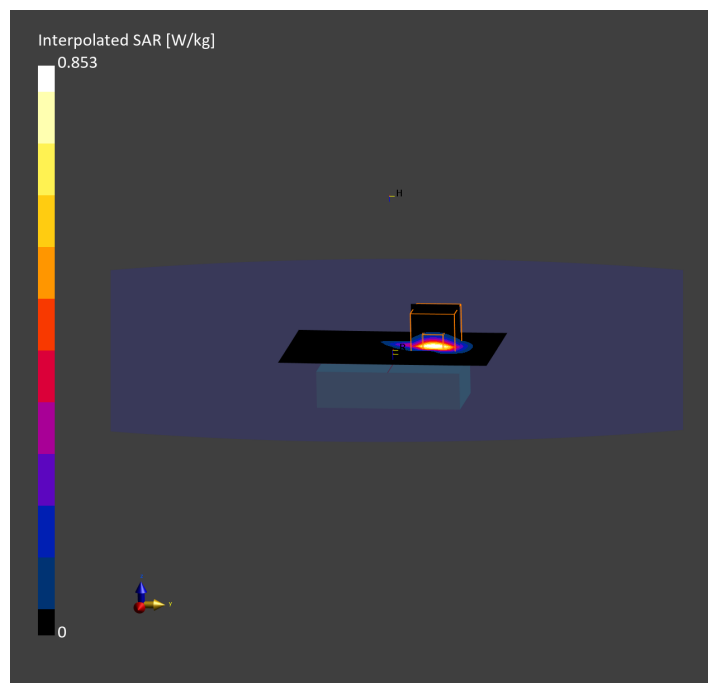
Power Drift = -0.11 dB

SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.183 W/kg

psAPD (4.0cm², sq) = 4.32 W/m²

Smallest distance from peaks to all points 3 dB below = 5.2

Ratio of SAR at M2 to SAR at M1 = 54.9



1_WLAN6GHz_802.11ax160-HE0_CH47_Front-0 Degree_5mm_Ant 2

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
AE65U	70.0 x 35.0 x 18.0		Dongle

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

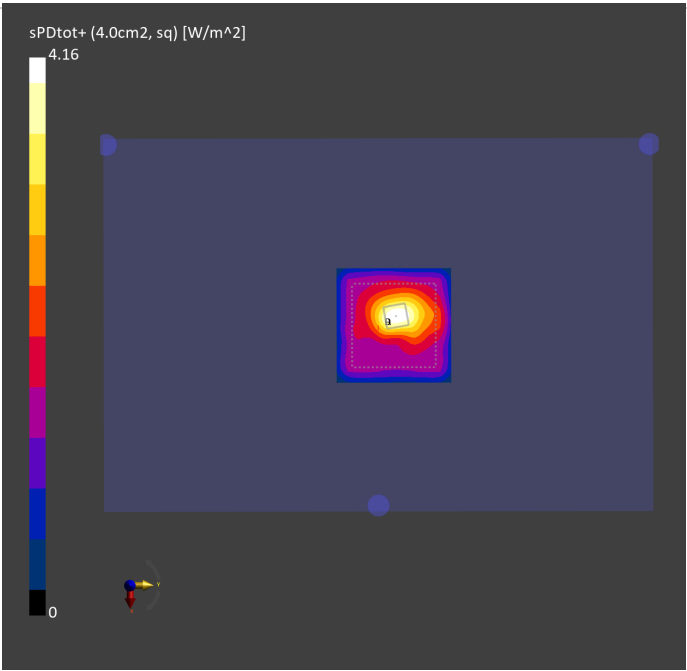
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1068	---Air	EUmmWV4 - SN9546_F1-55GHz, 2024-04-18	DAE4 Sn916, 2024-12-04

Scan Setup

	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	5.0
MAIA	Y

Measurement Results

	5G Scan
Date	2025-02-20
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	3.92
psPDtot+ [W/m²]	4.16
psPDmod+ [W/m²]	4.36
E _{max} [V/m]	49.7
Power Drift [dB]	-0.12



SAR Measurement Variability

Test Laboratory: DEKRA

Date: 2025-02-17

172_WLAN2.4GHz_802.11b-1M_CH6_Front_0 Degree_5mm_ANT 2_Verify

Communication System: UID 10415-AAA, WLAN; Frequency: 2437.000 MHz

Medium parameters used: $f = 2437.000$ MHz; Conductivity = 1.77 S/m; Permittivity = 40.0

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(6.73, 6.93, 6.69); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.876 W/kg; SAR (10 g) = 0.358 W/kg

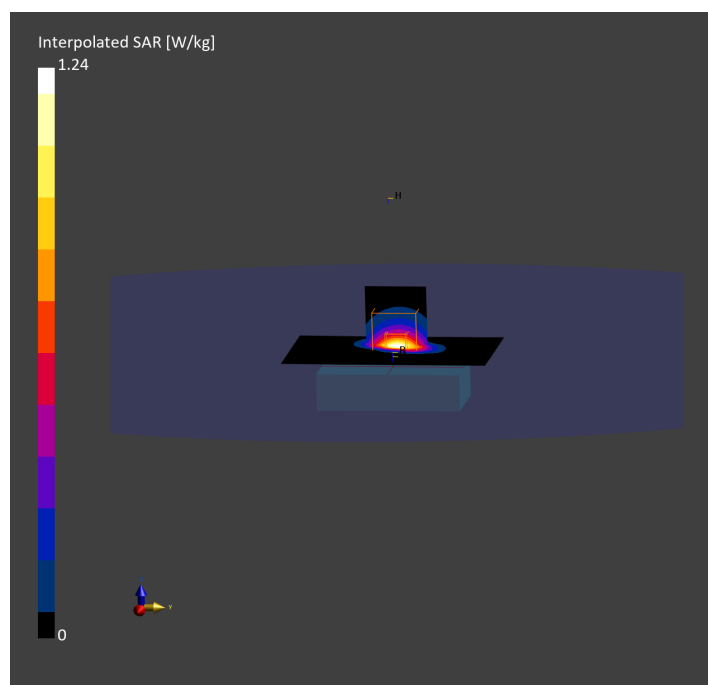
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = 0.01 dB

SAR(1 g) = 0.916 W/kg; SAR(10 g) = 0.382 W/kg

Smallest distance from peaks to all points 3 dB below = 6.5

Ratio of SAR at M2 to SAR at M1 = 75.2



Test Laboratory: DEKRA

Date: 2025-02-19

25_WLAN5GHz_802.11ac80-VHT0_CH155_Front_0 Degree_5mm_ANT 2_Verify

Communication System: UID 10544-AAD, WLAN; Frequency: 5775.000 MHz

Medium parameters used: $f = 5775.000$ MHz; Conductivity = 5.38 S/m; Permittivity = 34.3

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.47, 4.6, 4.54); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 1.11 W/kg; SAR (10 g) = 0.324 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) = 1.07 W/kg; SAR(10 g) = 0.321 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1

Ratio of SAR at M2 to SAR at M1 = 61.1

