
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2024-09-20

46_WLAN2.4G_802.11b-1M_CH11_Bottom of laptop_0mm_Ant Main

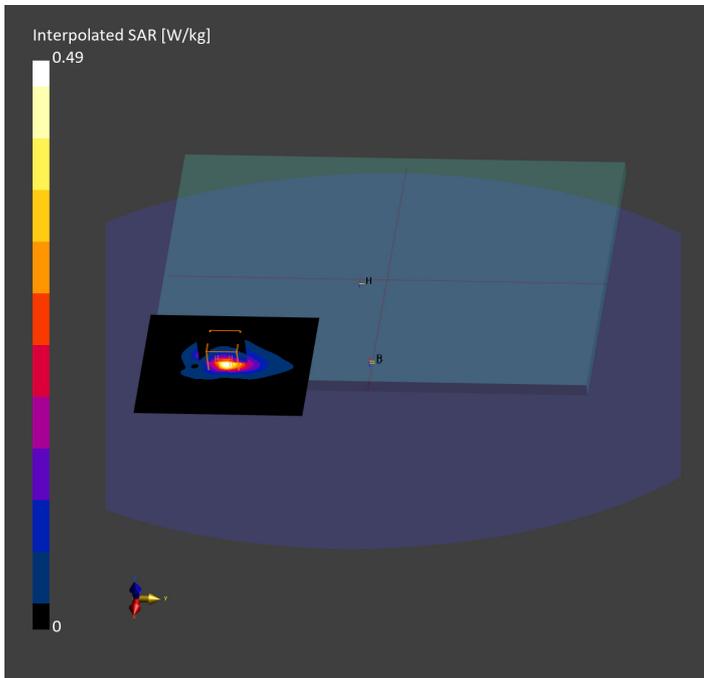
Communication System: UID 10415-AAA, WLAN; Frequency: 2462.000 MHz
Medium parameters used: $f = 2462.000$ MHz; Conductivity = 1.79 S/m; Permittivity = 39.2
Phantom section: Flat

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 (90.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.363 W/kg; SAR (10 g) = 0.158 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) = 0.437 W/kg; SAR(10 g) = 0.166 W/kg
Smallest distance from peaks to all points 3 dB below = 6.6
Ratio of SAR at M2 to SAR at M1 = 77.9



Test Laboratory: DEKRA

Date: 2024-09-20

79_Bluetooth_BT-1M_CH78_Bottom of laptop_0mm_Ant Aux

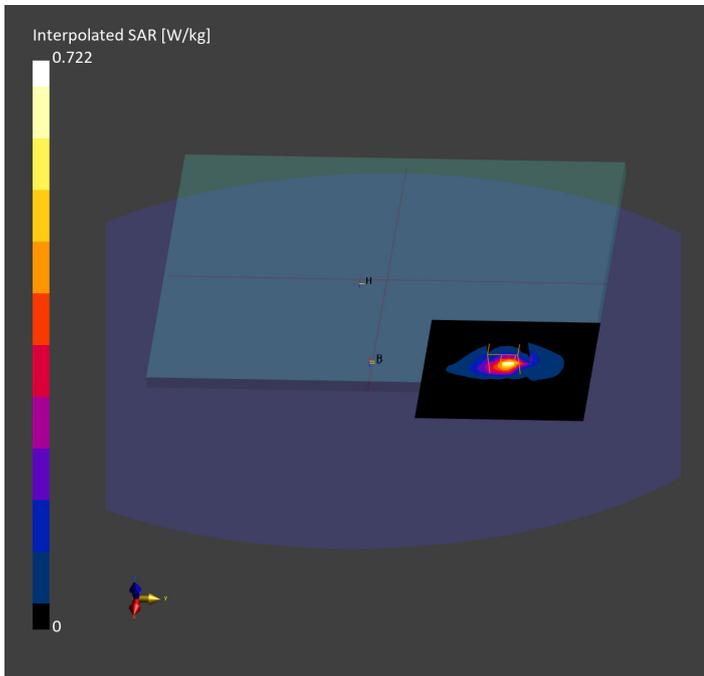
Communication System: UID 10032-CAA, Bluetooth; Frequency: 2480.000 MHz
Medium parameters used: $f = 2480.000$ MHz; Conductivity = 1.81 S/m; Permittivity = 39.1
Phantom section: Flat

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 (90.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.500 W/kg; SAR (10 g) = 0.202 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) = 0.531 W/kg; SAR(10 g) = 0.202 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7
Ratio of SAR at M2 to SAR at M1 = 76.6



Test Laboratory: DEKRA

Date: 2024-09-21

29_WLAN5G_802.11ac80-VHT0_CH58_Bottom of laptop_0mm_Ant Aux

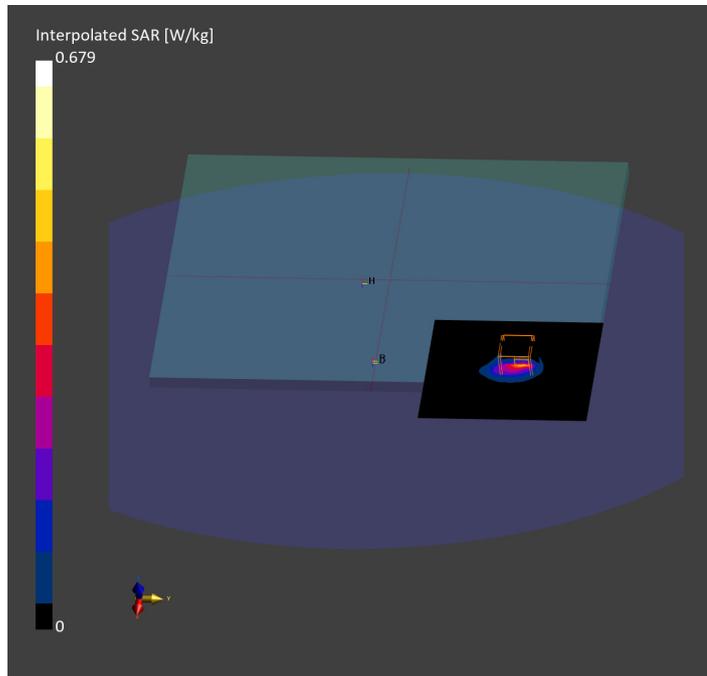
Communication System: UID 10544-AAD, WLAN; Frequency: 5290.000 MHz
Medium parameters used: $f = 5290.000$ MHz; Conductivity = 4.83 S/m; Permittivity = 36.3
Phantom section: Flat

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 (90.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.389 W/kg; SAR (10 g) = 0.114 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 = -0.13 dB
SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.112 W/kg
Smallest distance from peaks to all points 3 dB below = 4.1
Ratio of SAR at M2 to SAR at M1 = 70.9



Test Laboratory: DEKRA

Date: 2024-09-21

26_WLAN5G_802.11ac80-VHT0_CH106_Bottom of laptop_0mm_Ant Main

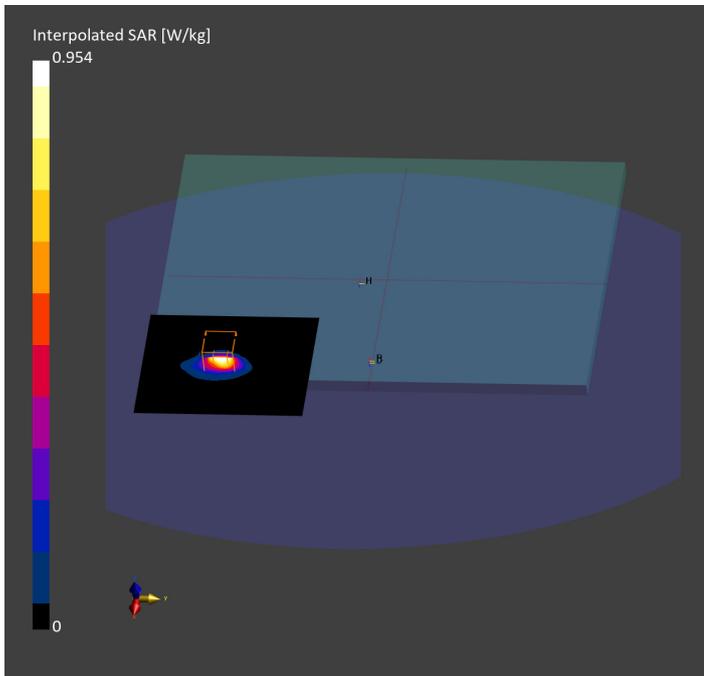
Communication System: UID 10544-AAD, WLAN; Frequency: 5530.000 MHz
Medium parameters used: $f = 5530.000$ MHz; Conductivity = 5.16 S/m; Permittivity = 35.6
Phantom section: Flat

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 (90.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.695 W/kg; SAR (10 g) = 0.224 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 = -0.05 dB
SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.229 W/kg
Smallest distance from peaks to all points 3 dB below = 6.1
Ratio of SAR at M2 to SAR at M1 = 64.6



Test Laboratory: DEKRA

Date: 2024-09-21

27_WLAN5G_802.11ac80-VHT0_CH155_Bottom of laptop_0mm_Ant Main

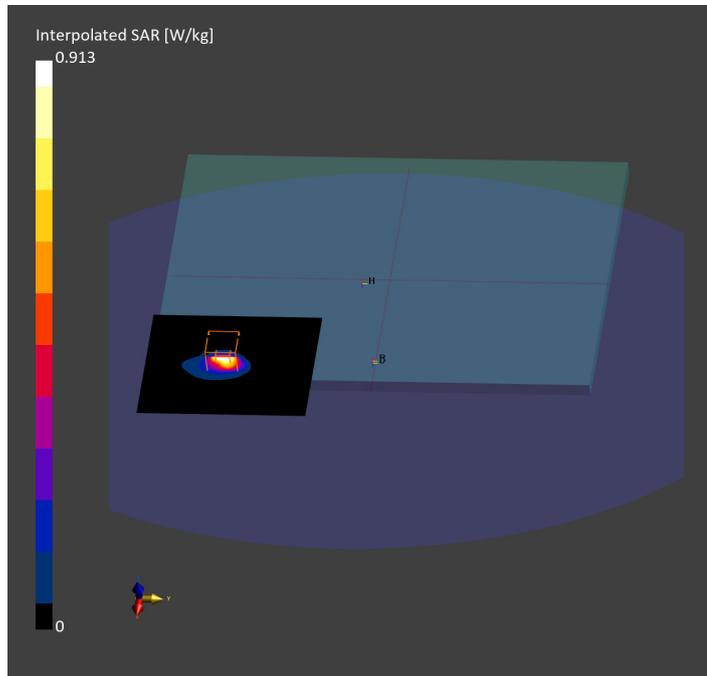
Communication System: UID 10544-AAD, WLAN; Frequency: 5775.000 MHz
Medium parameters used: $f = 5775.000$ MHz; Conductivity = 5.48 S/m; Permittivity = 35.0
Phantom section: Flat

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 (90.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.667 W/kg; SAR (10 g) = 0.206 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 = -0.04 dB
SAR(1 g) = 0.720 W/kg; SAR(10 g) = 0.211 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1
Ratio of SAR at M2 to SAR at M1 = 63.1



Test Laboratory: DEKRA

Date: 2024-09-15

12_WLAN6E_802.11be320-EHT0_CH191_Bottom of laptop_0mm_Ant Aux

Communication System: UID 11026-AAB, WLAN; Frequency: 6905.000 MHz

Medium parameters used: $f = 6905.000$ MHz; Conductivity = 6.41 S/m; Permittivity = 34.5

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 (85.0 mm x 102.0 mm): Measurement grid: 8.5 mm x 8.5 mm

SAR (1 g) = 0.890 W/kg; SAR (10 g) = 0.235 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

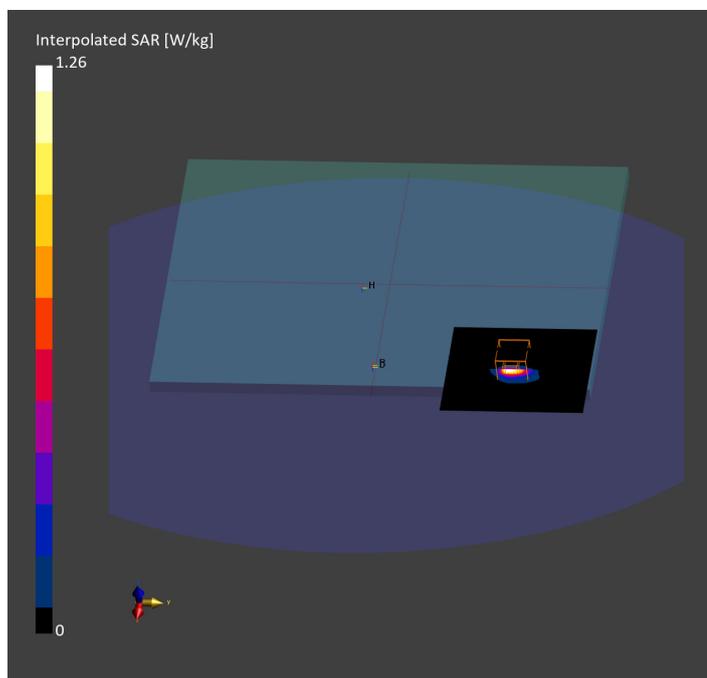
Power Drift = -0.08 dB

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.260 W/kg

psAPD (4.0cm², sq) = 6.08 W/m²

Smallest distance from peaks to all points 3 dB below = 5.5

Ratio of SAR at M2 to SAR at M1 = 48.4



1_WLAN6GHz_802.11be320-HET0_CH191_Bottom of laptop_2mm_ANT Aux

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX3405CA	313.0 x 227.0 x 10.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-8	WLAN, 11026-AAA	6905.0, 191	1.0

Hardware Setup

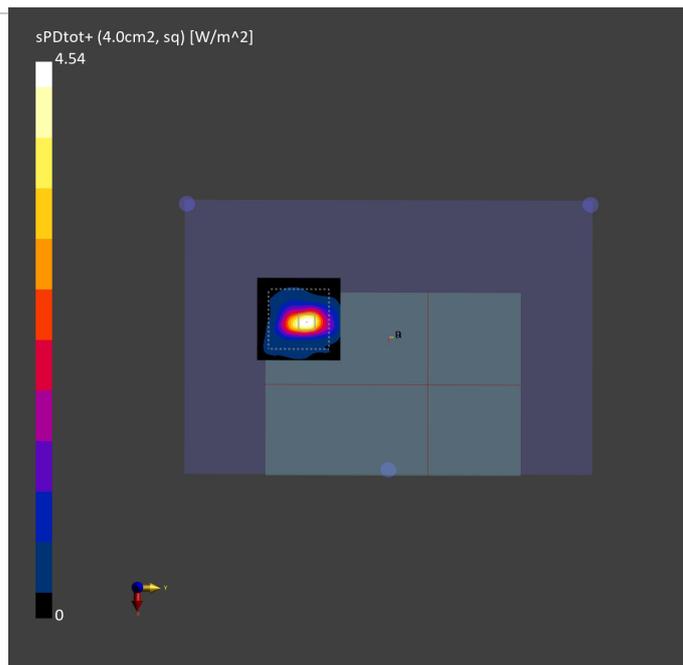
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1068	Air	EUmmWV4 - SN9546_F1-55GHz, 2024-04-18	DAE4 Sn1651, 2024-02-15

Scan Setup

	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-09-16
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	3.40
psPDtot+ [W/m ²]	4.54
psPDmod+ [W/m ²]	4.85
E _{max} [V/m]	58.5
Power Drift [dB]	-0.01



SAR measurement variability

Test Laboratory: DEKRA

Date: 2024-09-15

74_WLAN6E_802.11be320-EHT0_CH191_Bottom of laptop_0mm_Ant Aux-Verify

Communication System: UID 11026-AAB, WLAN; Frequency: 6905.000 MHz

Medium parameters used: $f = 6905.000$ MHz; Conductivity = 6.41 S/m; Permittivity = 34.5

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 (85.0 mm x 102.0 mm): Measurement grid: 8.5 mm x 8.5 mm

SAR (1 g) = 0.880 W/kg; SAR (10 g) = 0.244 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 = -0.08 dB

SAR(1 g) = 0.976 W/kg; SAR(10 g) = 0.252 W/kg

psAPD (4.0cm², sq) = 5.89 W/m²

Smallest distance from peaks to all points 3 dB below = 5.5

Ratio of SAR at M2 to SAR at M1 = 49.3

