
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2023-10-06

6_WLAN2.4GHz_802.11b-1M_CH11_Bottom_0mm_ANT Main

Communication System: UID 10415-AAA, WLAN; Frequency: 2462.000 MHz

Medium parameters used: $f = 2462.000$ MHz; Conductivity = 1.81 S/m; Permittivity = 40.2

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: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (80.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR(1 g) = 0.752 W/kg; SAR(10 g) = 0.287 W/kg

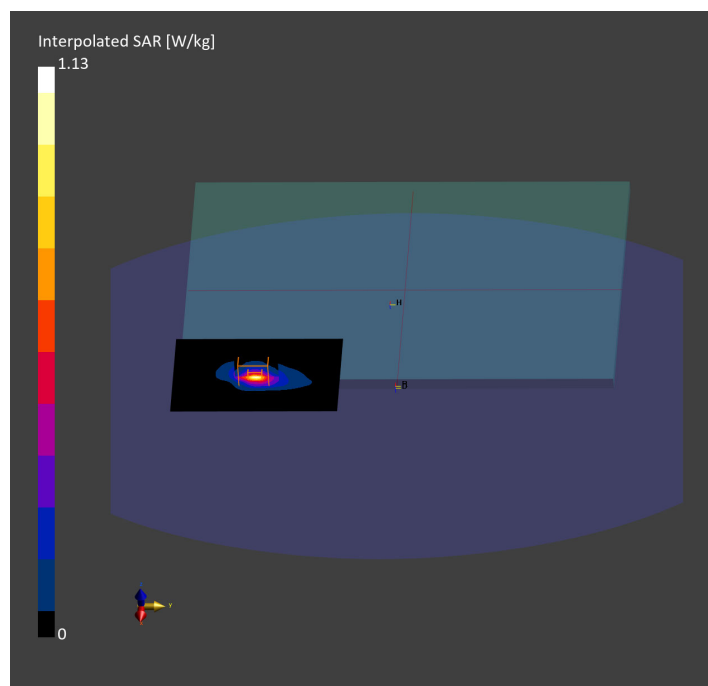
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 4.5 mm x 4.5 mm x 1.5 mm

Power Drift = -0.03 dB

SAR(1 g) = 0.770 W/kg; SAR(10 g) = 0.285 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 74.9



Test Laboratory: DEKRA

Date: 2023-10-06

4_Bluetooth_BT-1M_CH39_Bottom_0mm_ANT Aux

Communication System: UID 10032-CAA, Bluetooth; Frequency: 2441.000 MHz

Medium parameters used: $f = 2441.000$ MHz; Conductivity = 1.78 S/m; Permittivity = 40.3

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: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (80.0 mm x 100.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.056 W/kg

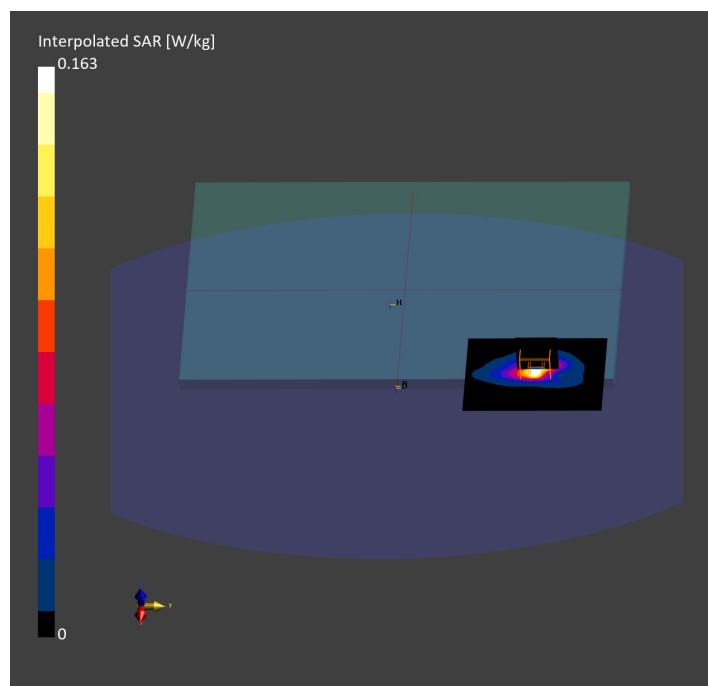
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = 0.03 dB

SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.060 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 73.7



Test Laboratory: DEKRA

Date: 2023-10-03

12_WLAN5GHz_802.11ac80-VHT0_CH58_Bottom_0mm_ANT Main

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

Medium parameters used: $f = 5290.000$ MHz; Conductivity = 4.65 S/m; Permittivity = 35.7

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: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (80.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.155 W/kg

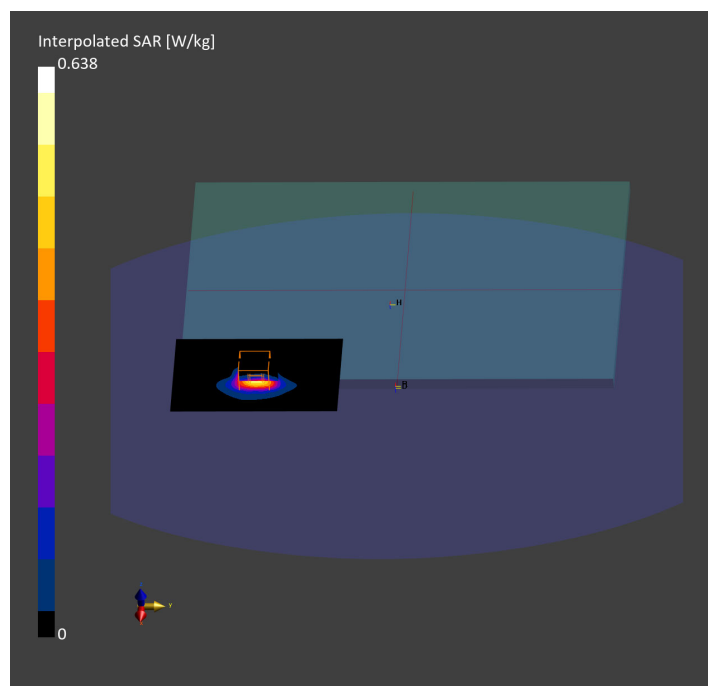
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.09 dB

SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.160 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 62.7



Test Laboratory: DEKRA

Date: 2023-10-03

18_WLAN5GHz_802.11ac80-VHT0_CH106_Bottom_0mm_ANT Main

Communication System: UID 10544-AAD, WLAN; Frequency: 5530.000 MHz

Medium parameters used: $f = 5530.000$ MHz; Conductivity = 4.98 S/m; Permittivity = 35.0

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: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (80.0 mm x 100.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR(1 g) = 0.670 W/kg; SAR(10 g) = 0.216 W/kg

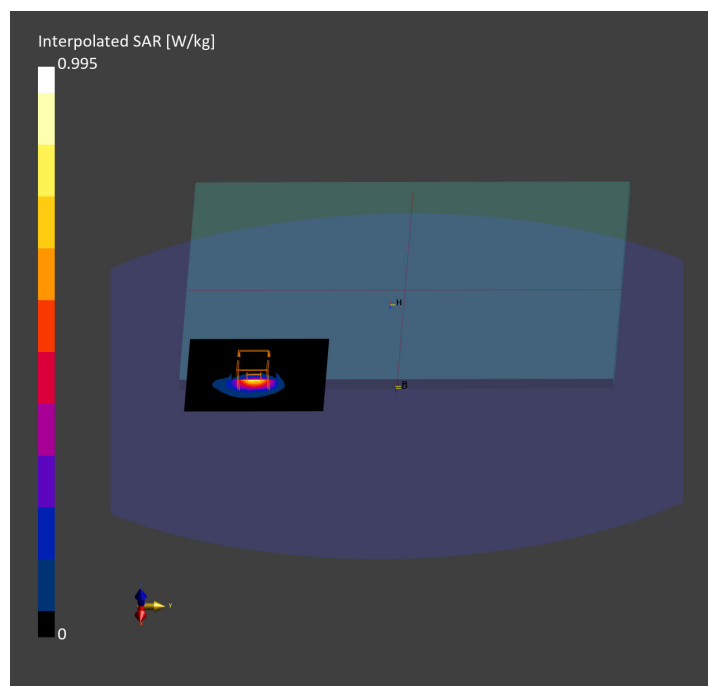
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.13 dB

SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.219 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



Test Laboratory: DEKRA

Date: 2023-10-03

21_WLAN5GHz_802.11ac80-VHT0_CH155_Bottom_0mm_ANT Main

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

Medium parameters used: $f = 5775.000$ MHz; Conductivity = 5.31 S/m; Permittivity = 34.3

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: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (80.0 mm x 100.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR(1 g) = 0.661 W/kg; SAR(10 g) = 0.194 W/kg

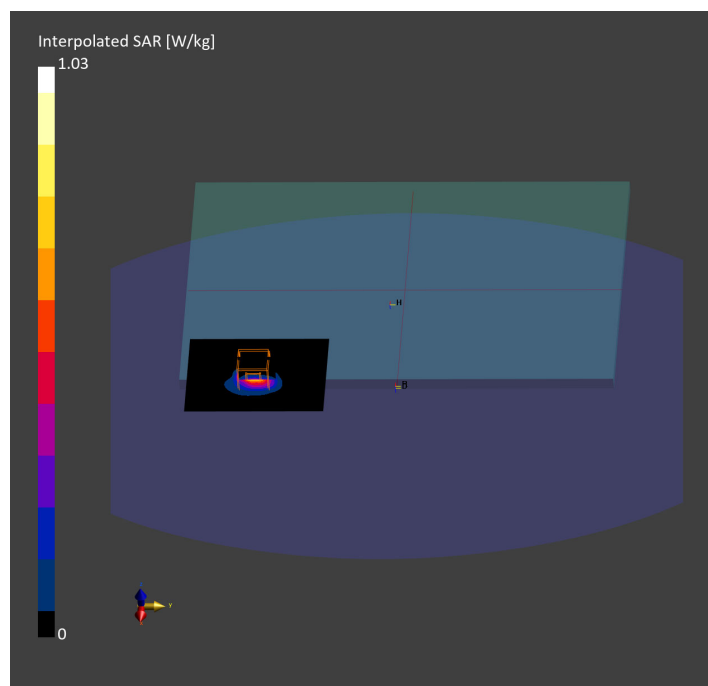
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 3.8 mm x 3.8 mm x 1.4 mm

Power Drift = -0.01 dB

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.182 W/kg

Smallest distance from peaks to all points 3 dB below = 4.1

Ratio of SAR at M2 to SAR at M1 = 59.2



Test Laboratory: DEKRA

Date: 2023-10-04

28_WLAN6GHz_802.11ax160-HE0_CH111_Bottom_0mm_ANT Main

Communication System: UID 10755-AAC, WLAN; Frequency: 6505.000 MHz

Medium parameters used: $f = 6505.000$ MHz; Conductivity = 5.97 S/m; Permittivity = 35.4

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: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

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

SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.173 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

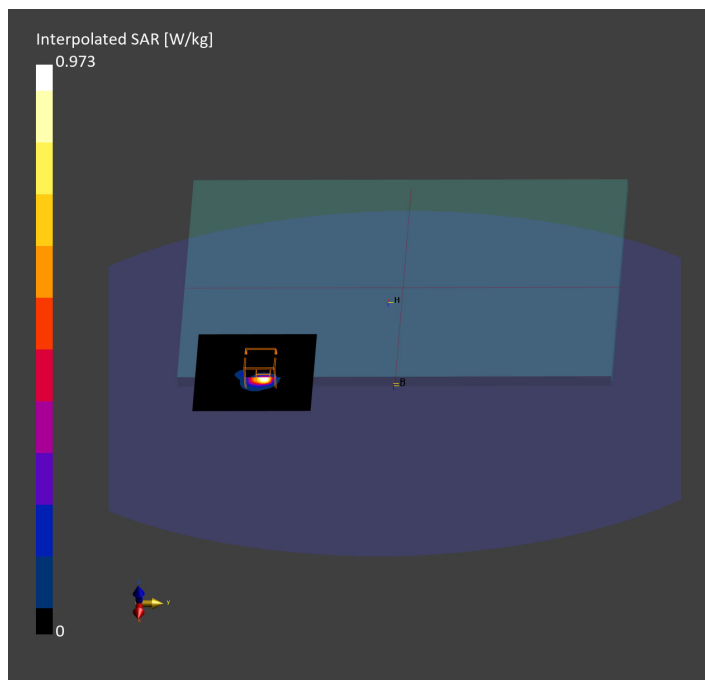
Power Drift = -0.16 dB

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.211 W/kg

psAPD (4.0cm², sq) = 5.06 W/m²

Smallest distance from peaks to all points 3 dB below = 4.4

Ratio of SAR at M2 to SAR at M1 = 50.5



7_WLAN6GHz_802.11ax160-HE0_CH175_Bottom_0mm_ANT Aux
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
UX3405M	312.0 x 218.0 x 9.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	BACK, 2.00	U-NII-7	WLAN, 10755-AAC	6825.0, 175	1.0

Hardware Setup

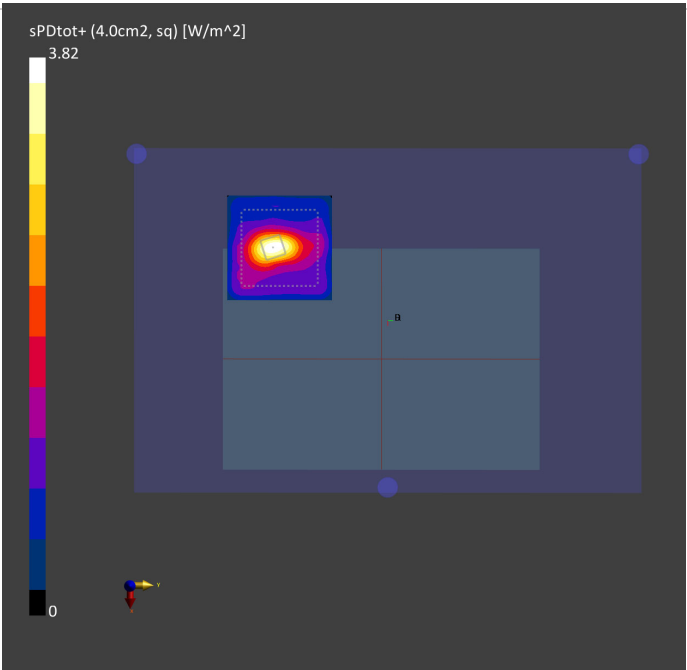
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1068	Air---	EUmmWV4 - SN9546_F1-55GHz, 2023-04-18	DAE4 Sn1651, 2023-02-22

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	N/A

Measurement Results

	5G Scan
Date	2023-10-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	3.52
psPDtot+ [W/m ²]	3.82
psPDmod+ [W/m ²]	3.97
E _{max} [V/m]	51.1
Power Drift [dB]	-0.12



SAR measurement variability

Test Laboratory: DEKRA

Date: 2023-10-04

35_WLAN6GHz_802.11ax160-HE0_CH111_Bottom_0mm_ANT Main_Verify

Communication System: UID 10755-AAC, WLAN; Frequency: 6505.000 MHz

Medium parameters used: $f = 6505.000$ MHz; Conductivity = 5.97 S/m; Permittivity = 35.4

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: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

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

SAR(1 g) = 0.690 W/kg; SAR(10 g) = 0.171 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 = 0.05 dB

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.202 W/kg

psAPD (4.0cm², sq) = 4.86 W/m²

Smallest distance from peaks to all points 3 dB below = 4.0

Ratio of SAR at M2 to SAR at M1 = 50.6

