Appendix B. Highest Measurement Data

Test Laboratory: DEKRA Date: 2024-01-15

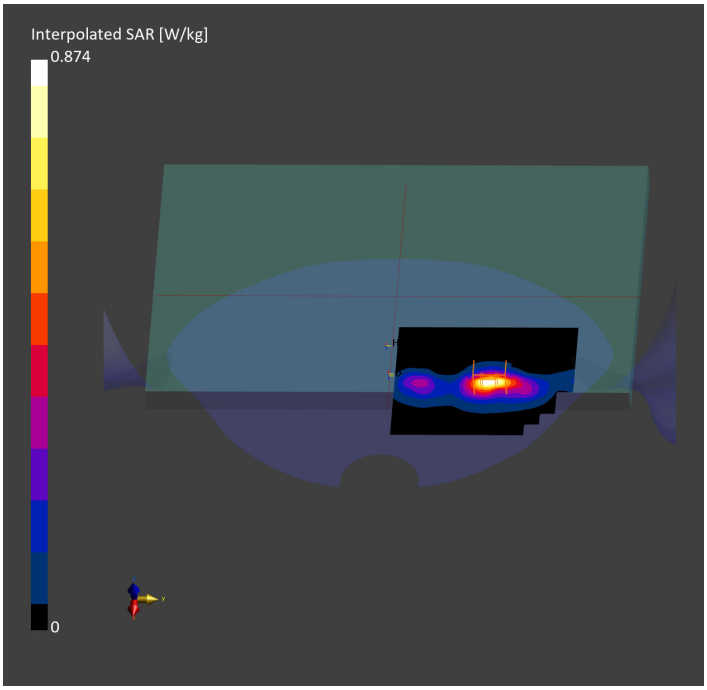
33_WLAN2.4GHz_802.11b-1M_CH6_Bottom_0mm_ANT Main_HighTek

Communication System: UID 10415-AAA, WLAN; Frequency: 2437.000 MHz
Medium parameters used: f = 2437.000 MHz; Conductivity = 1.78 S/m; Permittivity = 40.5
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: Twin-SAM V8.0 (30deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (100.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.659 W/kg; SAR (10 g) = 0.295 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) = 0.680 W/kg; SAR(10 g) = 0.305 W/kg
Smallest distance from peaks to all points 3 dB below = 8.0
Ratio of SAR at M2 to SAR at M1 = 79.9



Test Laboratory: DEKRA Date: 2024-01-03

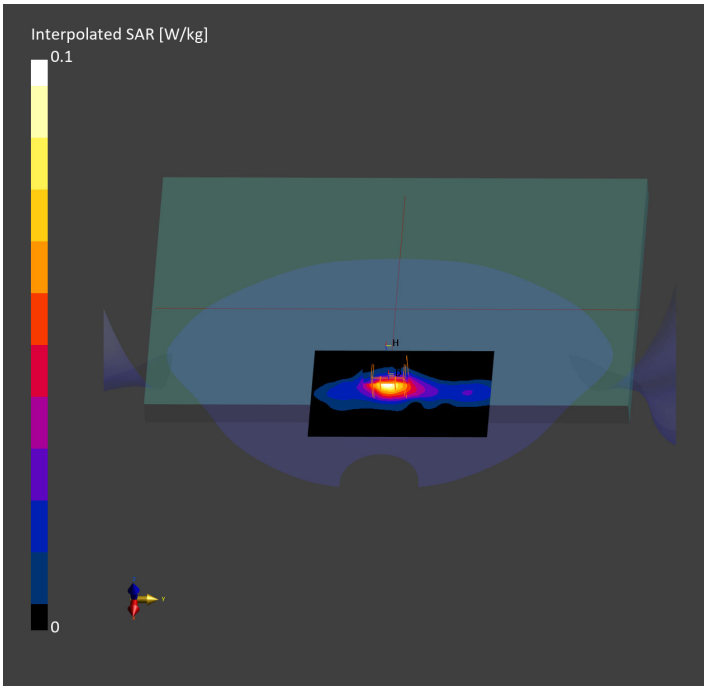
1_Bluetooth_BT-1M_CH39_Bottom_0mm_ANT Aux_SouthStar

Communication System: UID 10032-CAA, Bluetooth; Frequency: 2441.000 MHz
Medium parameters used: f = 2441.000 MHz; Conductivity = 1.75 S/m; Permittivity = 39.2
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: Twin-SAM V8.0 (30deg 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) = 0.072 W/kg; SAR (10 g) = 0.033 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 = -0.15 dB
SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.033 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5
Ratio of SAR at M2 to SAR at M1 = 76.5



Test Laboratory: DEKRA Date: 2024-01-03

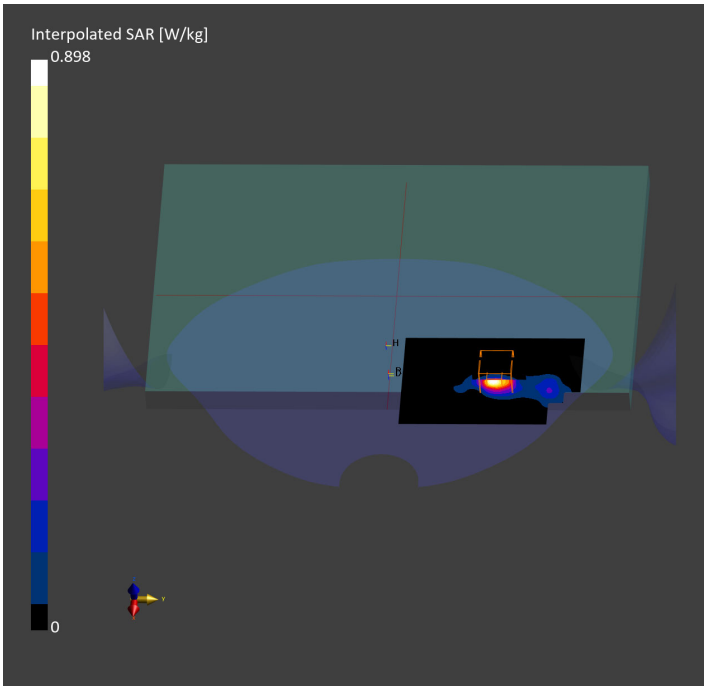
14_WLAN5GHz_802.11ac160-VHT0_CH50_Bottom_0mm_ANT Main_SouthStar

Communication System: UID 10554-AAE, WLAN; Frequency: 5250.000 MHz
Medium parameters used: f = 5250.000 MHz; Conductivity = 4.68 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: Twin-SAM V8.0 (30deg 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) = 0.575 W/kg; SAR (10 g) = 0.174 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 = -0.10 dB
SAR(1 g) = 0.623 W/kg; SAR(10 g) = 0.185 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2
Ratio of SAR at M2 to SAR at M1 = 64.1



Test Laboratory: DEKRA Date: 2024-01-03

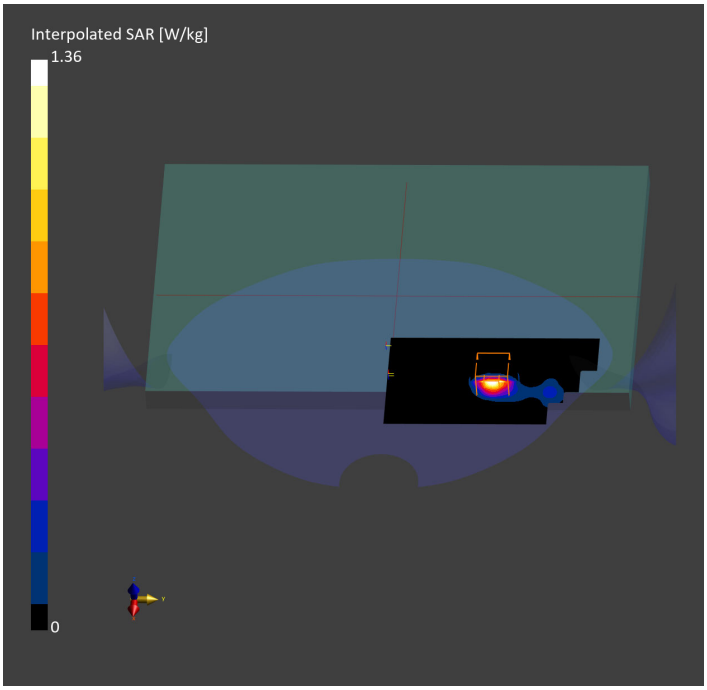
12_WLAN5GHz_802.11ac160-VHT0_CH114_Bottom_0mm_ANT Main_SouthStar

Communication System: UID 10554-AAE, WLAN; Frequency: 5570.000 MHz
Medium parameters used: f = 5570.000 MHz; Conductivity = 5.12 S/m; Permittivity = 34.8
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: Twin-SAM V8.0 (30deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (80.0 mm x 140.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.874 W/kg; SAR (10 g) = 0.260 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 = 0.00 dB
SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.274 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2
Ratio of SAR at M2 to SAR at M1 = 63.5



Test Laboratory: DEKRA Date: 2024-01-03

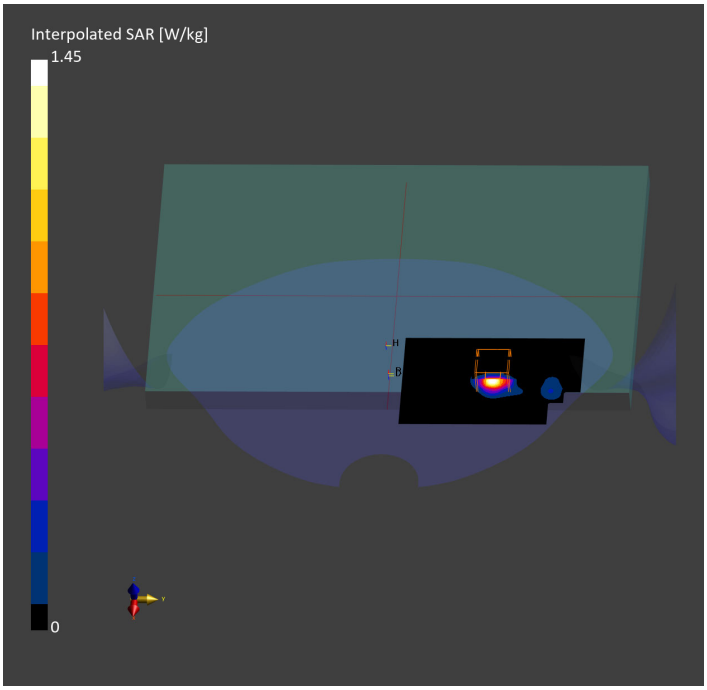
13_WLAN5GHz_802.11ac80-VHT0_CH155_Bottom_0mm_ANT Main_SouthStar

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(4.45, 4.57, 4.5); Calibrated: 2023-02-01
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2023-02-01
- Phantom: Twin-SAM V8.0 (30deg 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) = 0.929 W/kg; SAR (10 g) = 0.265 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 = -0.14 dB
SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.282 W/kg
Smallest distance from peaks to all points 3 dB below = 7.6
Ratio of SAR at M2 to SAR at M1 = 62.3



Test Laboratory: DEKRA Date: 2024-01-15

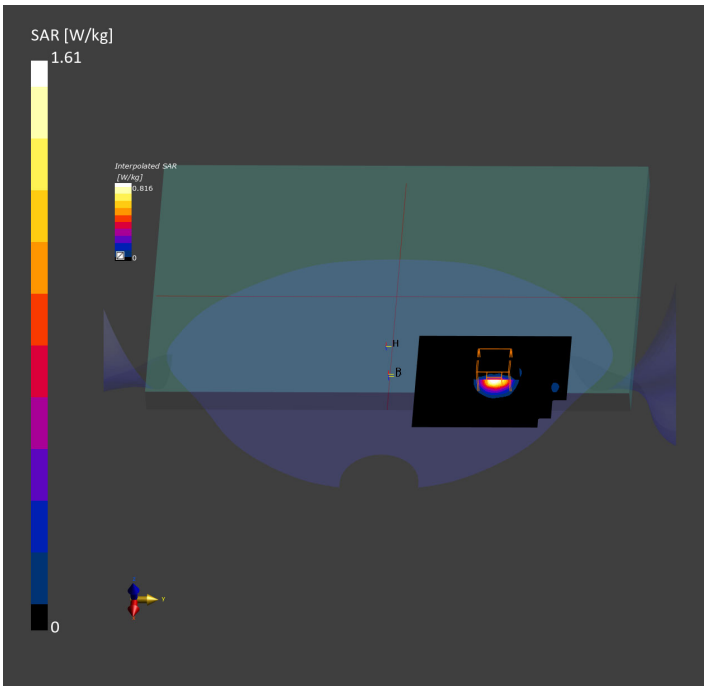
46_WLAN6GHz_802.11ax160-HE0_CH15_Bottom_0mm_ANT Main_HighTek

Communication System: UID 10755-AAC, WLAN; Frequency: 6025.000 MHz
Medium parameters used: f = 6025.000 MHz; Conductivity = 5.38 S/m; Permittivity = 36.2
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: Twin-SAM V8.0 (30deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (85.0 mm x 102.0 mm): Measurement grid: 8.5 mm x 8.5 mm
SAR (1 g) = 0.581 W/kg; SAR (10 g) = 0.174 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 = -0.03 dB
SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.182 W/kg
psAPD (4.0cm2, sq) = 4.24 W/m2
Smallest distance from peaks to all points 3 dB below = 8.2
Ratio of SAR at M2 to SAR at M1 = 54.3



3_WLAN6GHz_802.11ax160-HE0_CH47_Bottom_2mm_ANT Main_SouthStar

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SATELLITE PRO C40-K	325.0 x 211.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	BOTTOM 2.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

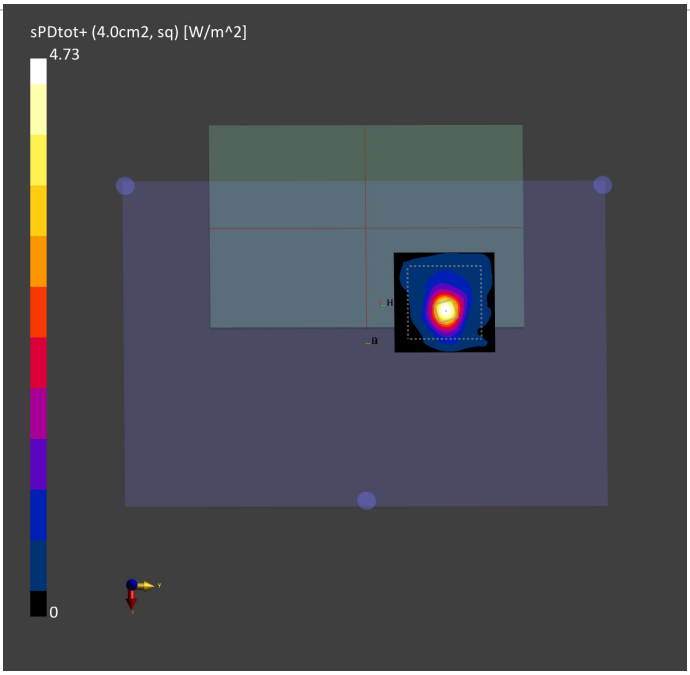
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1068	Air---	EUmmWV4 - SN9546_F1-55GHz, 2023-04-18	DAE4 Sn1651, 2023-02-22

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	2024-01-05
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	4.37
psPDtot+ [W/m^2]	4.73
psPDmod+ [W/m^2]	5.06
E_{max} [V/m]	55.7
Power Drift [dB]	-0.15



SAR measurement variability

Test Laboratory: DEKRA Date: 2024-01-03

15_WLAN5GHz_802.11ac80-VHT0_CH155_Bottom_0mm_ANT Main_SouthStar_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(4.45, 4.57, 4.5); Calibrated: 2023-02-01
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2023-02-01
- Phantom: Twin-SAM V8.0 (30deg 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) = 0.926 W/kg; SAR (10 g) = 0.263 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) = 0.995 W/kg; SAR(10 g) = 0.277 W/kg
Smallest distance from peaks to all points 3 dB below = 7.6
Ratio of SAR at M2 to SAR at M1 = 62.2