
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2024-01-04

2_WLAN2.4G_802.11b-1M_CH6_Bottom_0mm_ANT Aux_SouthStar

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

Medium parameters used: $f = 2437.000$ MHz; Conductivity = 1.77 S/m; Permittivity = 39.3

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: Twin-SAM V8.0 (30deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (80.0 mm x 160.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.366 W/kg; SAR (10 g) = 0.179 W/kg

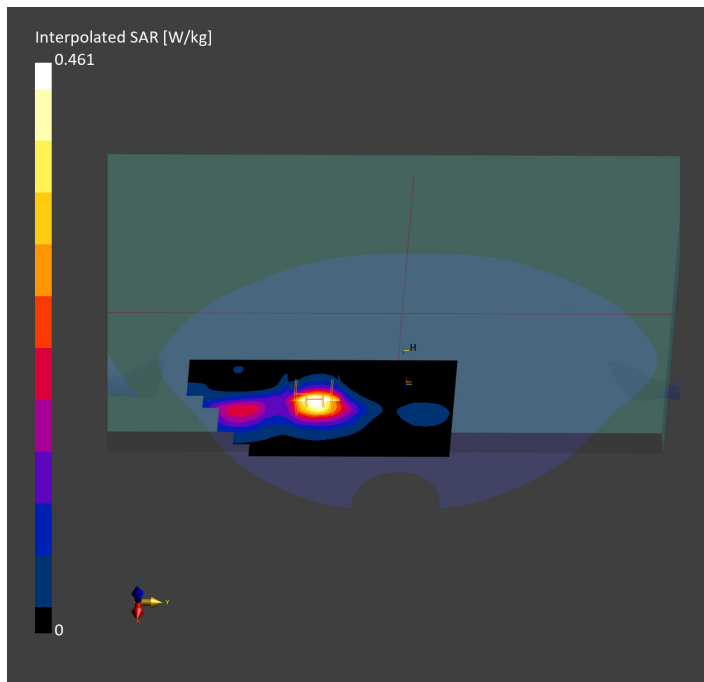
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = -0.01 dB

SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.179 W/kg

Smallest distance from peaks to all points 3 dB below = 10.3

Ratio of SAR at M2 to SAR at M1 = 79.5



Test Laboratory: DEKRA

Date: 2024-01-04

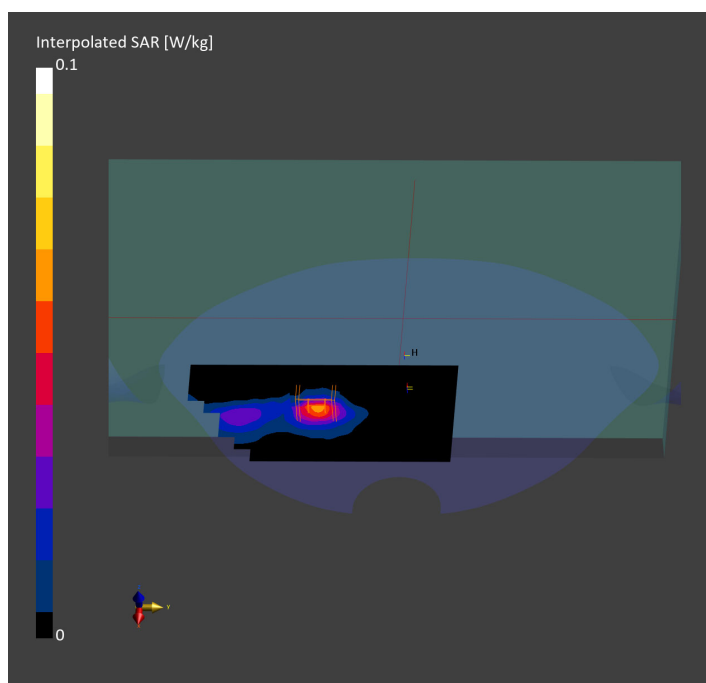
3_Bluetooth_BT-1M_CH39_Bottom_0mm_ANT Aux_SouthStar

Communication System: UID 10032-CAA, Bluetooth; Frequency: 2441.000 MHz
Medium parameters used: $f = 2441.000$ MHz; Conductivity = 1.77 S/m; Permittivity = 39.3
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: Twin-SAM V8.0 (30deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (80.0 mm x 160.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.050 W/kg; SAR (10 g) = 0.024 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 = 0.05 dB
SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.024 W/kg
Smallest distance from peaks to all points 3 dB below = 10.0
Ratio of SAR at M2 to SAR at M1 = 76.7



Test Laboratory: DEKRA

Date: 2024-01-19

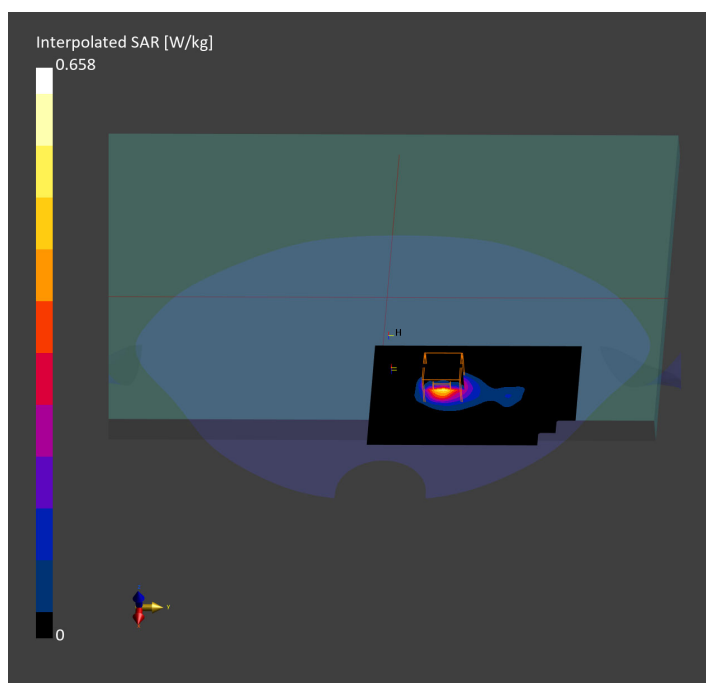
31_WLAN5GHz_802.11ac160-VHT0_CH50_Bottom_0mm_ANT Main_HighTek

Communication System: UID 10554-AAE, WLAN; Frequency: 5250.000 MHz
Medium parameters used: $f = 5250.000$ MHz; Conductivity = 4.59 S/m; Permittivity = 37.0
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) = 0.427 W/kg; SAR (10 g) = 0.134 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) = 0.473 W/kg; SAR(10 g) = 0.139 W/kg
Smallest distance from peaks to all points 3 dB below = 7.6
Ratio of SAR at M2 to SAR at M1 = 65.0



Test Laboratory: DEKRA

Date: 2024-01-19

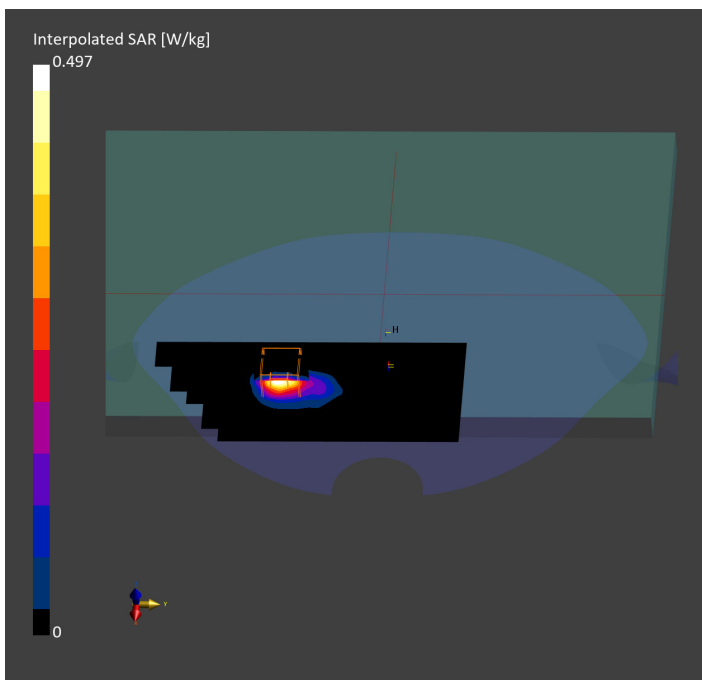
30_WLAN5GHz_802.11ac160-VHT0_CH114_Bottom_0mm_ANT Aux_HighTek

Communication System: UID 10554-AAE, WLAN; Frequency: 5570.000 MHz
Medium parameters used: $f = 5570.000$ MHz; Conductivity = 5.03 S/m; Permittivity = 36.1
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 180.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.342 W/kg; SAR (10 g) = 0.113 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) = 0.362 W/kg; SAR(10 g) = 0.113 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8
Ratio of SAR at M2 to SAR at M1 = 63.4



Test Laboratory: DEKRA

Date: 2024-01-19

37_WLAN5GHz_802.11ac80-VHT0_CH155_Bottom_0mm_ANT Aux_HighTek

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

Medium parameters used: $f = 5775.000$ MHz; Conductivity = 5.29 S/m; Permittivity = 35.6

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) = 0.309 W/kg; SAR (10 g) = 0.099 W/kg

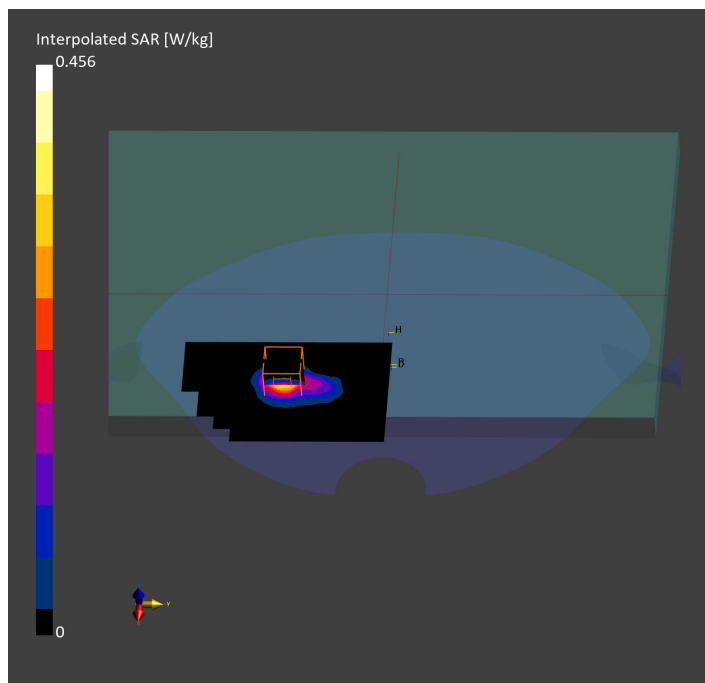
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.02 dB

SAR(1 g) = 0.338 W/kg; SAR(10 g) = 0.107 W/kg

Smallest distance from peaks to all points 3 dB below = 8.3

Ratio of SAR at M2 to SAR at M1 = 63.4



Test Laboratory: DEKRA

Date: 2024-01-18

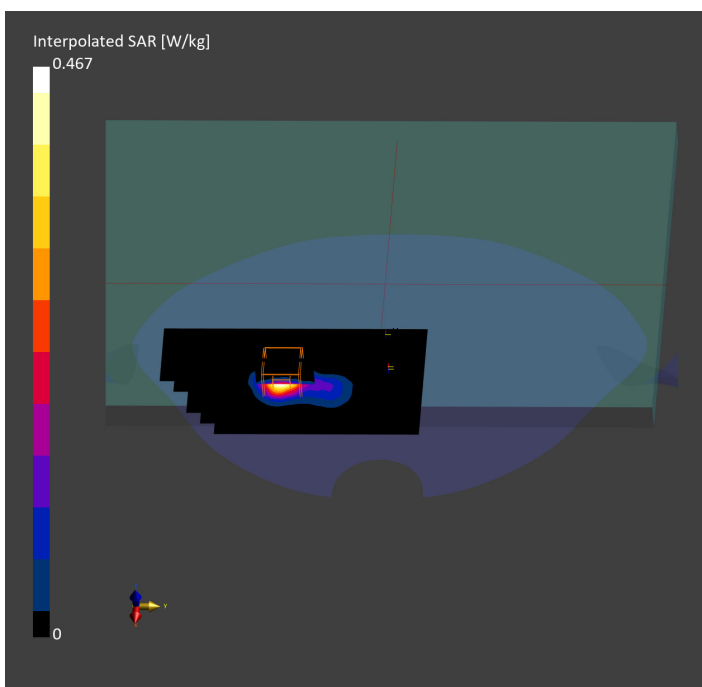
55_WLAN6GHz_802.11ax160-HE0_CH47_Bottom_0mm_ANT Aux_HighTek

Communication System: UID 10755-AAC, WLAN; Frequency: 6185.000 MHz
Medium parameters used: $f = 6185.000$ MHz; Conductivity = 5.55 S/m; Permittivity = 36.3
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 153.0 mm): Measurement grid: 8.5 mm x 8.5 mm
SAR (1 g) = 0.334 W/kg; SAR (10 g) = 0.106 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) = 0.363 W/kg; SAR(10 g) = 0.113 W/kg
psAPD (4.0cm², sq) = 2.59 W/m²
Smallest distance from peaks to all points 3 dB below = 7.8
Ratio of SAR at M2 to SAR at M1 = 54.6



1_WLAN6GHz_802.11ax160-HE0_CH111_Bottom_2mm_ANT Main_SouthStar

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SATELLITE PRO C50-K	385.0 x 230.0 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-6	WLAN, 10755-AAC	6505.0, 111	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	2024-01-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	4.24
psPDtot+ [W/m ²]	4.48
psPDmod+ [W/m ²]	4.75
E _{max} [V/m]	52.2
Power Drift [dB]	-0.15

