
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2024-01-08

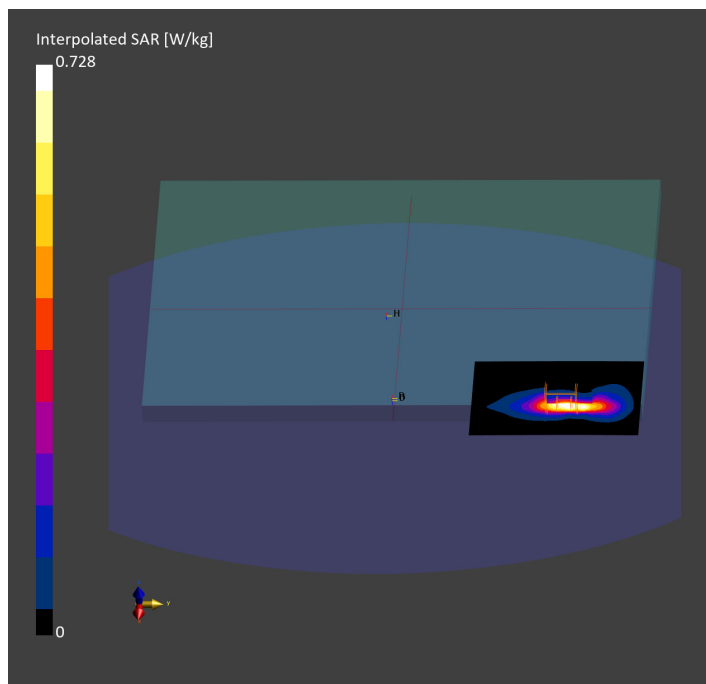
2_WLAN2.4G_802.11b-1M_CH6_Bottom_0mm_ANT Aux

Communication System: UID 10415-AAA, WLAN; Frequency: 2437.000 MHz
Medium parameters used: $f = 2437.000$ MHz; Conductivity = 1.78 S/m; Permittivity = 40.1
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) = 0.553 W/kg; SAR (10 g) = 0.254 W/kg

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 3.6 mm x 3.6 mm x 1.4 mm
Power Drift = -0.02 dB
SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.252 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1
Ratio of SAR at M2 to SAR at M1 = 69.9



Test Laboratory: DEKRA

Date: 2024-01-08

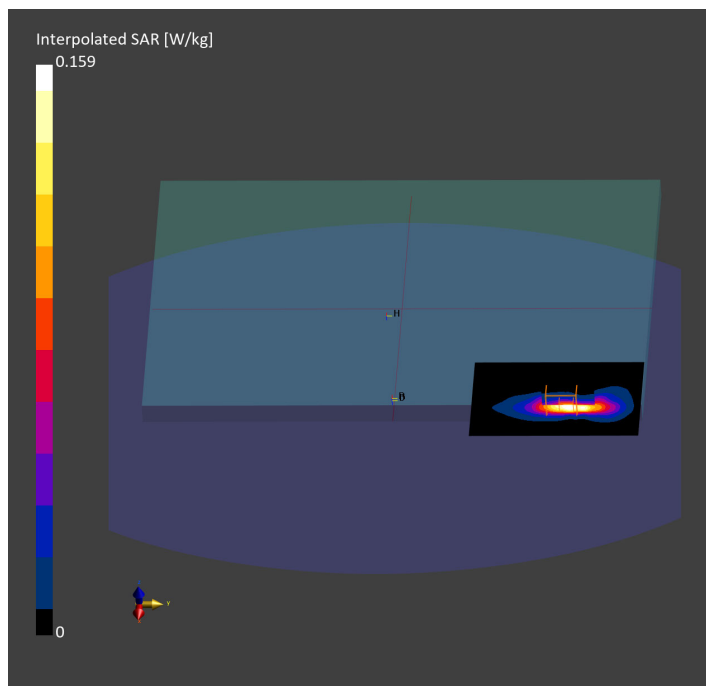
3_Bluetooth_BT-1M_CH39_Bottom_0mm_ANT Aux

Communication System: UID 10032-CAA, Bluetooth; Frequency: 2441.000 MHz
Medium parameters used: $f = 2441.000$ MHz; Conductivity = 1.79 S/m; Permittivity = 40.1
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) = 0.120 W/kg; SAR (10 g) = 0.054 W/kg

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 3.4 mm x 3.4 mm x 1.4 mm
Power Drift = -0.12 dB
SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.051 W/kg
Smallest distance from peaks to all points 3 dB below = 4.6
Ratio of SAR at M2 to SAR at M1 = 69.7



Test Laboratory: DEKRA

Date: 2024-01-08

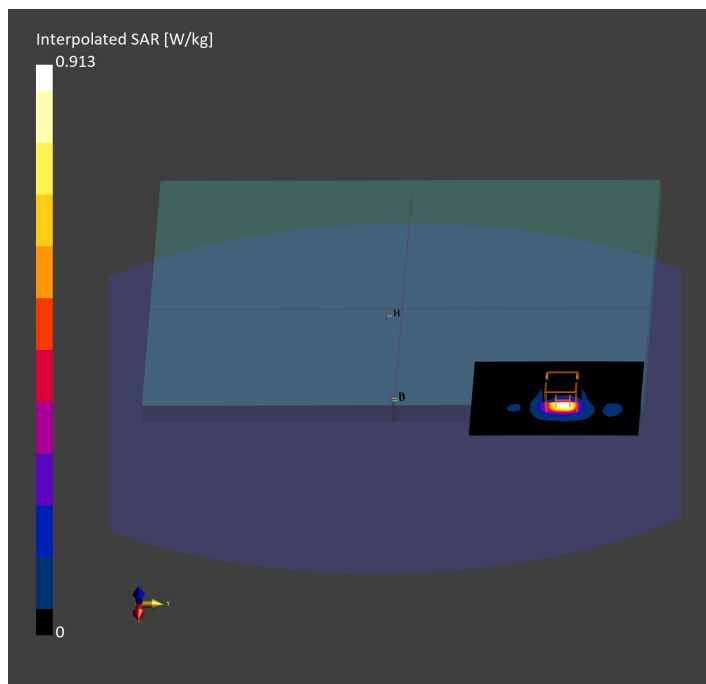
28_WLAN5G_802.11ac80-VHT0_CH58_Bottom_0mm_ANT Aux

Communication System: UID 10544-AAD, WLAN; Frequency: 5290.000 MHz
Medium parameters used: $f = 5290.000$ MHz; Conductivity = 4.69 S/m; Permittivity = 36.1
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) = 0.675 W/kg; SAR (10 g) = 0.233 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 = -0.07 dB
SAR(1 g) = 0.882 W/kg; SAR(10 g) = 0.255 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7
Ratio of SAR at M2 to SAR at M1 = 59.6



Test Laboratory: DEKRA

Date: 2024-01-08

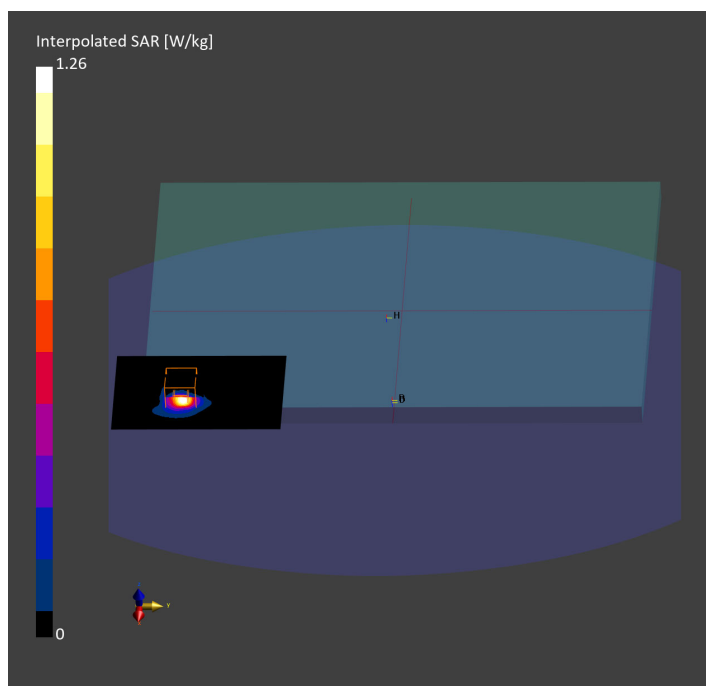
24_WLAN5G_802.11ac80-VHT0_CH138_Bottom_0mm_ANT Main

Communication System: UID 10544-AAD, WLAN; Frequency: 5690.000 MHz
Medium parameters used: $f = 5690.000$ MHz; Conductivity = 5.23 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 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.869 W/kg; SAR (10 g) = 0.274 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) = 0.301 W/kg
Smallest distance from peaks to all points 3 dB below = 6.1
Ratio of SAR at M2 to SAR at M1 = 61.0



Test Laboratory: DEKRA

Date: 2024-01-08

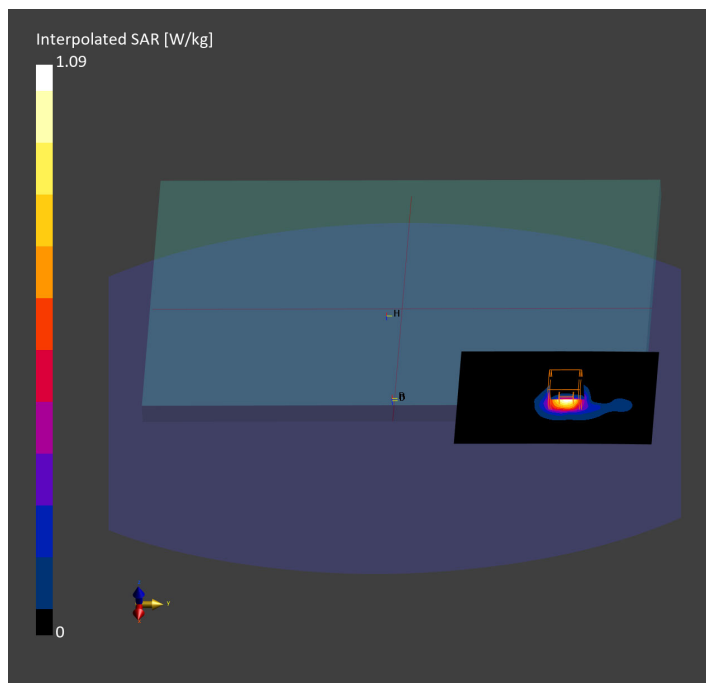
12_WLAN5G_802.11ac80-VHT0_CH155_Bottom_0mm_ANT Aux

Communication System: UID 10544-AAD, WLAN; Frequency: 5775.000 MHz
Medium parameters used: $f = 5775.000$ MHz; Conductivity = 5.34 S/m; Permittivity = 34.8
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 (100.0 mm x 140.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.780 W/kg; SAR (10 g) = 0.268 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) = 1.01 W/kg; SAR(10 g) = 0.299 W/kg
Smallest distance from peaks to all points 3 dB below = 6.8
Ratio of SAR at M2 to SAR at M1 = 58.8



Test Laboratory: DEKRA

Date: 2024-01-09

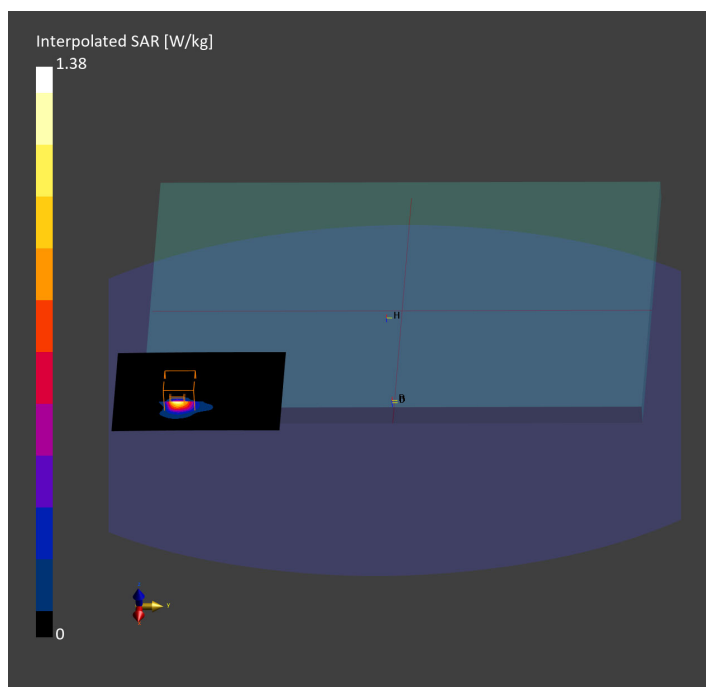
19_WLAN6G_802.11ax160-HE0_CH15_Bottom_0mm_ANT Main

Communication System: UID 10755-AAC, WLAN; Frequency: 6025.000 MHz
Medium parameters used: $f = 6025.000$ MHz; Conductivity = 5.37 S/m; Permittivity = 36.1
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 119.0 mm): Measurement grid: 8.5 mm x 8.5 mm
SAR (1 g) = 0.926 W/kg; SAR (10 g) = 0.271 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) = 1.12 W/kg; SAR(10 g) = 0.293 W/kg
psAPD (4.0cm², sq) = 6.87 W/m²
Smallest distance from peaks to all points 3 dB below = 5.2
Ratio of SAR at M2 to SAR at M1 = 52.2



1_WLAN6GHz_802.11ax160-HE0_CH15_Bottom_0mm_ANT Main

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
S5506M	354.0 x 245.0 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	6025.0, 15	1.0

Hardware Setup

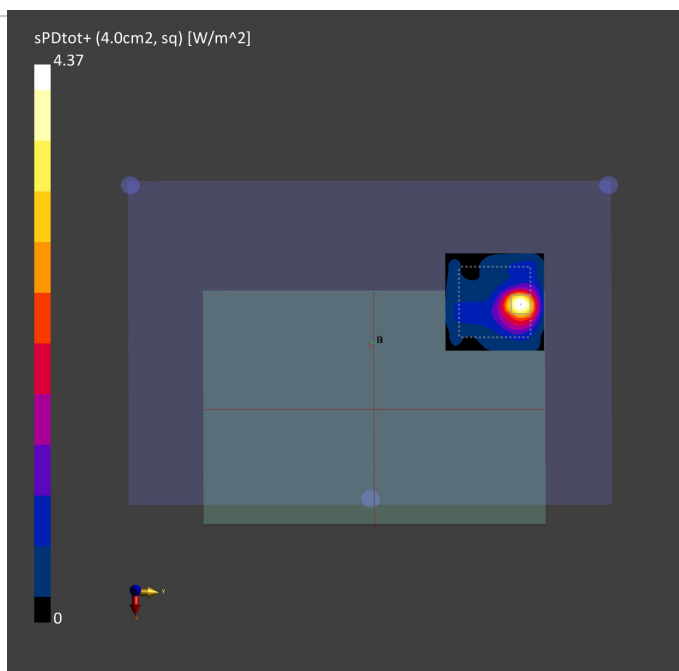
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1068	Air---	EUmmWV4 - SN9546_F1-55GHz, 2023-04-18	DAE4 Sn1651, 2023-02-22

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	2024-01-16
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	3.96
psPDtot+ [W/m ²]	4.37
psPDmod+ [W/m ²]	5.13
E _{max} [V/m]	68.5
Power Drift [dB]	-0.03



SAR measurement variability

Test Laboratory: DEKRA

Date: 2024-01-08

34_WLAN5G_802.11ac80-VHT0_CH138_Bottom_0mm_ANT Main_Verify

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

Medium parameters used: $f = 5690.000$ MHz; Conductivity = 5.23 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 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.814 W/kg; SAR (10 g) = 0.271 W/kg

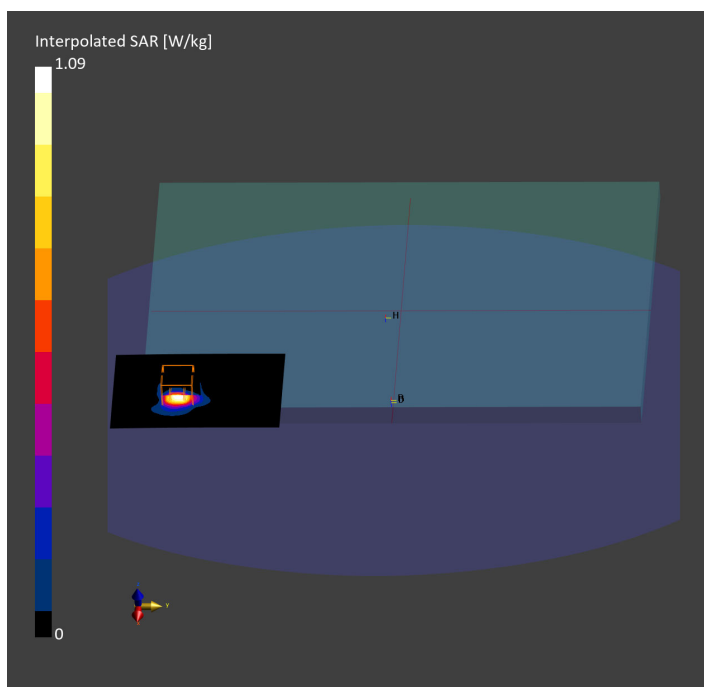
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.11 dB

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.285 W/kg

Smallest distance from peaks to all points 3 dB below = 5.7

Ratio of SAR at M2 to SAR at M1 = 60.0



Test Laboratory: DEKRA

Date: 2024-01-09

39_WLAN6G_802.11ax160-HE0_CH15_Bottom_0mm_ANT Main_Verify

Communication System: UID 10755-AAC, WLAN; Frequency: 6025.000 MHz
Medium parameters used: $f = 6025.000$ MHz; Conductivity = 5.37 S/m; Permittivity = 36.1
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 119.0 mm): Measurement grid: 8.5 mm x 8.5 mm
SAR (1 g) = 0.952 W/kg; SAR (10 g) = 0.265 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 = 0.09 dB
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.295 W/kg
psAPD (4.0cm², sq) = 6.81 W/m²
Smallest distance from peaks to all points 3 dB below = 5.2
Ratio of SAR at M2 to SAR at M1 = 52.9

