Appendix B. Highest Measurement Data

Test Laboratory: DEKRA Date: 2024-05-14

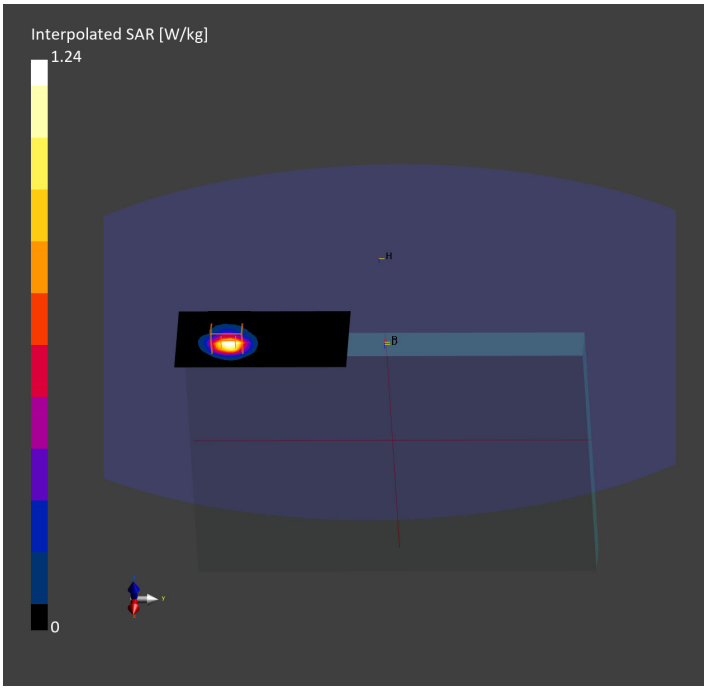
1_WLAN2.4GHz_802.11b-1M_CH11_Bottom_0mm_ANT Main

Communication System: UID 10415-AAA, WLAN; Frequency: 2462.000 MHz
Medium parameters used: f = 2462.000 MHz; Conductivity = 1.79 S/m; Permittivity = 40.1
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7728; ConvF(7.16, 7.7, 7.45); Calibrated: 2023-11-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn916; Calibrated: 2023-11-29
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (60.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.956 W/kg; SAR (10 g) = 0.400 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) = 1.02 W/kg; SAR(10 g) = 0.399 W/kg
Smallest distance from peaks to all points 3 dB below = 7.7
Ratio of SAR at M2 to SAR at M1 = 79.9



Test Laboratory: DEKRA Date: 2024-05-14

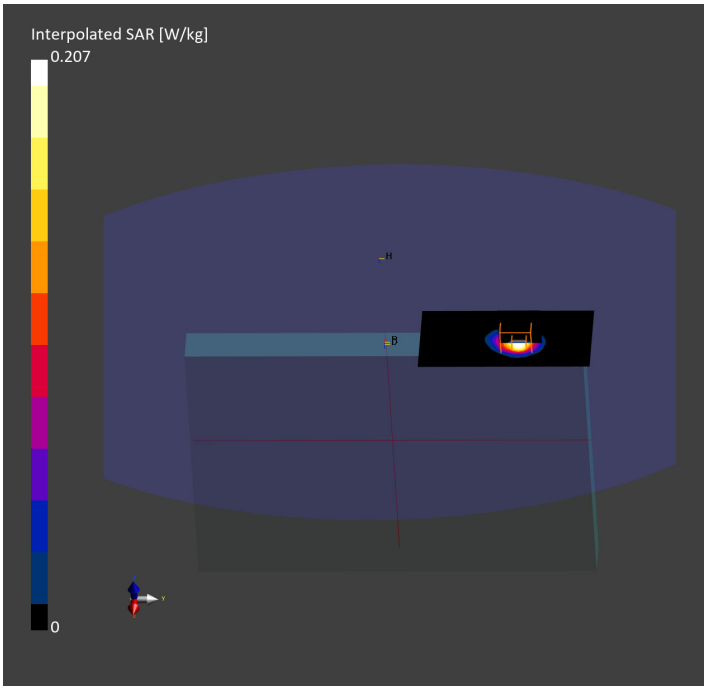
19_Bluetooth_BT-1M_CH39_Bottom_0mm_ANT Aux

Communication System: UID 10032-CAA, Bluetooth; Frequency: 2441.000 MHz
Medium parameters used: f = 2441.000 MHz; Conductivity = 1.76 S/m; Permittivity = 40.2
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7728; ConvF(7.16, 7.7, 7.45); Calibrated: 2023-11-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn916; Calibrated: 2023-11-29
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (60.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.157 W/kg; SAR (10 g) = 0.066 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 = 0.02 dB
SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.066 W/kg
Smallest distance from peaks to all points 3 dB below = 6.0
Ratio of SAR at M2 to SAR at M1 = 82.9



Test Laboratory: DEKRA Date: 2024-05-15

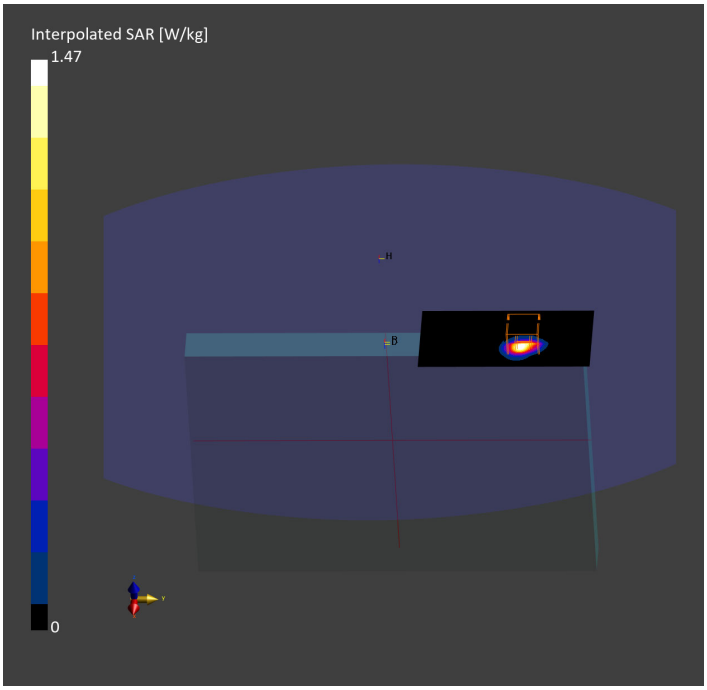
4_WLAN5GHz_802.11ac80-VHT0_CH58_Bottom_0mm_ANT Aux

Communication System: UID 10544-AAD, WLAN; Frequency: 5290.000 MHz
Medium parameters used: f = 5290.000 MHz; Conductivity = 4.76 S/m; Permittivity = 36.4
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7728; ConvF(5.61, 5.95, 5.67); Calibrated: 2023-11-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn916; Calibrated: 2023-11-29
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (60.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.974 W/kg; SAR (10 g) = 0.305 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 = -0.06 dB
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.313 W/kg
Smallest distance from peaks to all points 3 dB below = 6.3
Ratio of SAR at M2 to SAR at M1 = 63.1



Test Laboratory: DEKRA Date: 2024-05-15

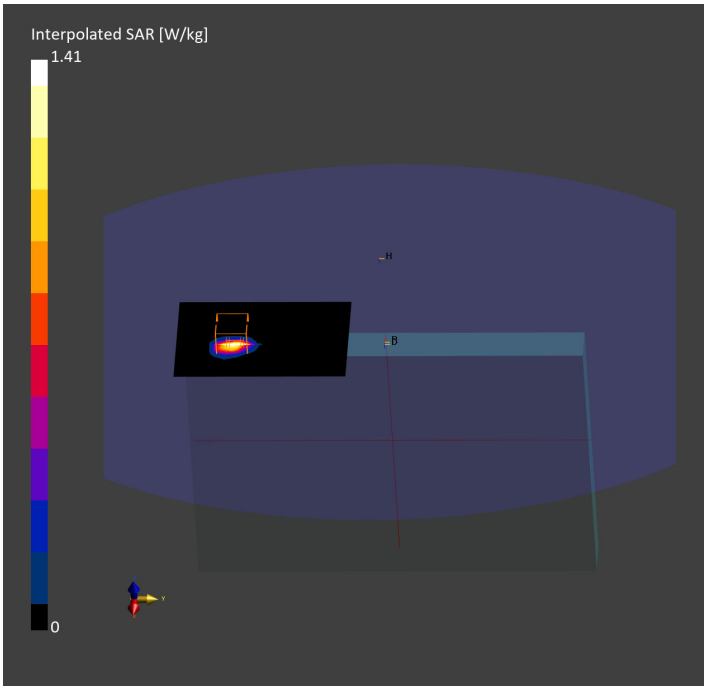
13_WLAN5GHz_802.11ac80-VHT0_CH106_Bottom_0mm_ANT Main

Communication System: UID 10544-AAD, WLAN; Frequency: 5530.000 MHz
Medium parameters used: f = 5530.000 MHz; Conductivity = 5.08 S/m; Permittivity = 35.7
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7728; ConvF(4.87, 5.12, 4.91); Calibrated: 2023-11-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn916; Calibrated: 2023-11-29
- 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) = 0.973 W/kg; SAR (10 g) = 0.301 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) = 1.06 W/kg; SAR(10 g) = 0.298 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7
Ratio of SAR at M2 to SAR at M1 = 63.8



Test Laboratory: DEKRA Date: 2024-05-15

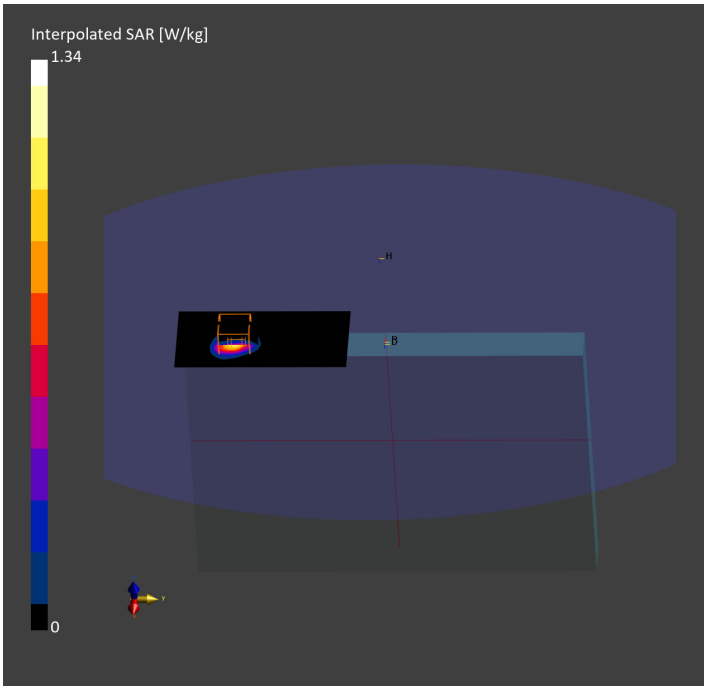
7_WLAN5GHz_802.11ac80-VHT0_CH155_Bottom_0mm_ANT Main

Communication System: UID 10544-AAD, WLAN; Frequency: 5775.000 MHz
Medium parameters used: f = 5775.000 MHz; Conductivity = 5.40 S/m; Permittivity = 35.0
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7728; ConvF(5.09, 5.35, 5.13); Calibrated: 2023-11-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn916; Calibrated: 2023-11-29
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (60.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.924 W/kg; SAR (10 g) = 0.283 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) = 1.11 W/kg; SAR(10 g) = 0.293 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7
Ratio of SAR at M2 to SAR at M1 = 62.1



Test Laboratory: DEKRA Date: 2024-05-07

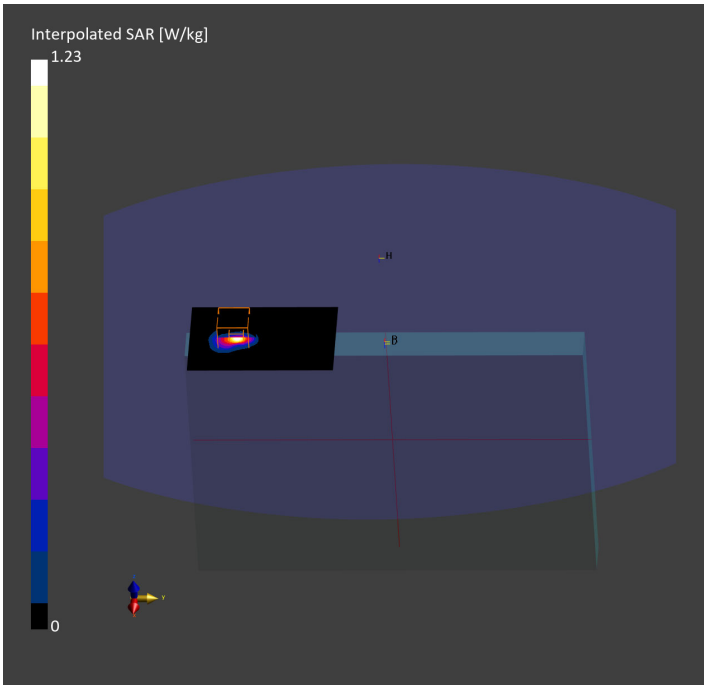
20_WLAN6GHz_802.11ax160-HE0_CH15_Bottom_0mm_ANT Main

Communication System: UID 10755-AAC, WLAN; Frequency: 6025.000 MHz
Medium parameters used: f = 6025.000 MHz; Conductivity = 5.47 S/m; Permittivity = 35.9
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7728; ConvF(5.4, 5.64, 5.34); Calibrated: 2023-11-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn916; Calibrated: 2023-11-29
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (68.0 mm x 102.0 mm): Measurement grid: 8.5 mm x 8.5 mm
SAR (1 g) = 0.786 W/kg; SAR (10 g) = 0.216 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) = 0.884 W/kg; SAR(10 g) = 0.233 W/kg
psAPD (4.0cm2, sq) = 5.46 W/m2
Smallest distance from peaks to all points 3 dB below = 5.9
Ratio of SAR at M2 to SAR at M1 = 54.9



6_WLAN6GHz_802.11ax160-HE0_CH175_Bottom_0mm_ANT Aux

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
M10-3N	199.0 x 278.0 x 25.0		Tablet PC

Exposure Conditions

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

Hardware Setup

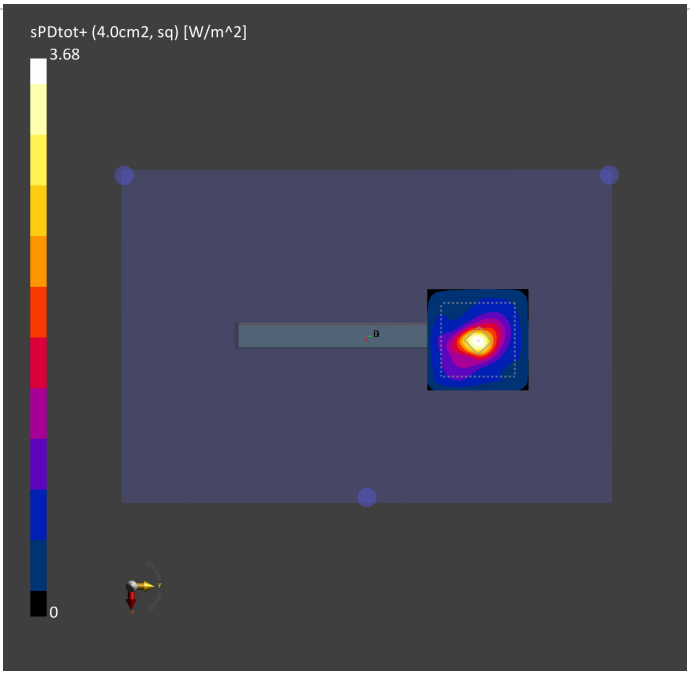
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1068	Air---	EUmmWV4 - SN9546_F1-55GHz, 2024-04-18	DAE4 Sn1651, 2024-02-15

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	N/A

Measurement Results

	5G Scan
Date	2024-05-08
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	3.15
psPDtot+ [W/m^2]	3.68
psPDmod+ [W/m^2]	4.09
E_{max} [V/m]	51.7
Power Drift [dB]	0.19



SAR measurement variability

Test Laboratory: DEKRA Date: 2024-05-14

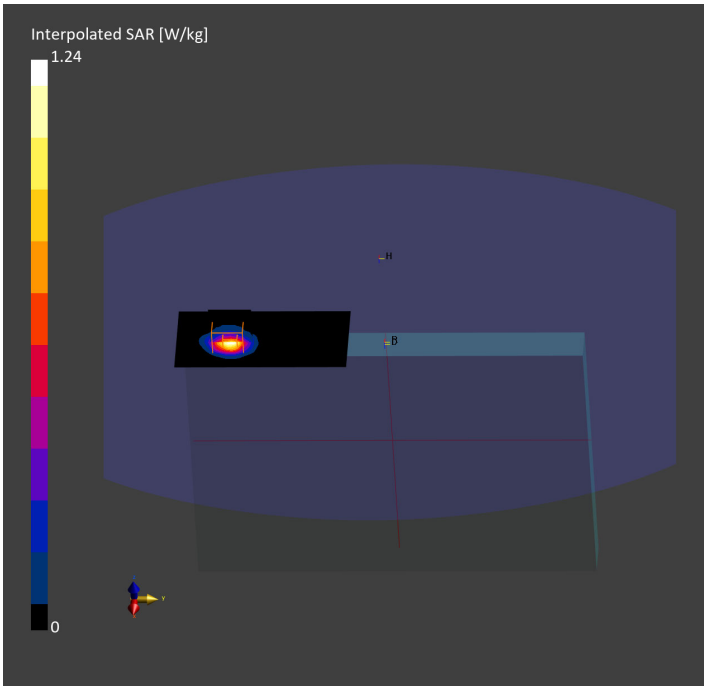
34_WLAN2.4GHz_802.11b-1M_CH11_Bottom_0mm_ANT Main_verify

Communication System: UID 10415-AAA, WLAN; Frequency: 2462.000 MHz
Medium parameters used: f = 2462.000 MHz; Conductivity = 1.79 S/m; Permittivity = 40.1
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7728; ConvF(7.16, 7.7, 7.45); Calibrated: 2023-11-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn916; Calibrated: 2023-11-29
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (60.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.917 W/kg; SAR (10 g) = 0.375 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) = 0.971 W/kg; SAR(10 g) = 0.378 W/kg
Smallest distance from peaks to all points 3 dB below = 8.1
Ratio of SAR at M2 to SAR at M1 = 80.1



Test Laboratory: DEKRA Date: 2024-05-15

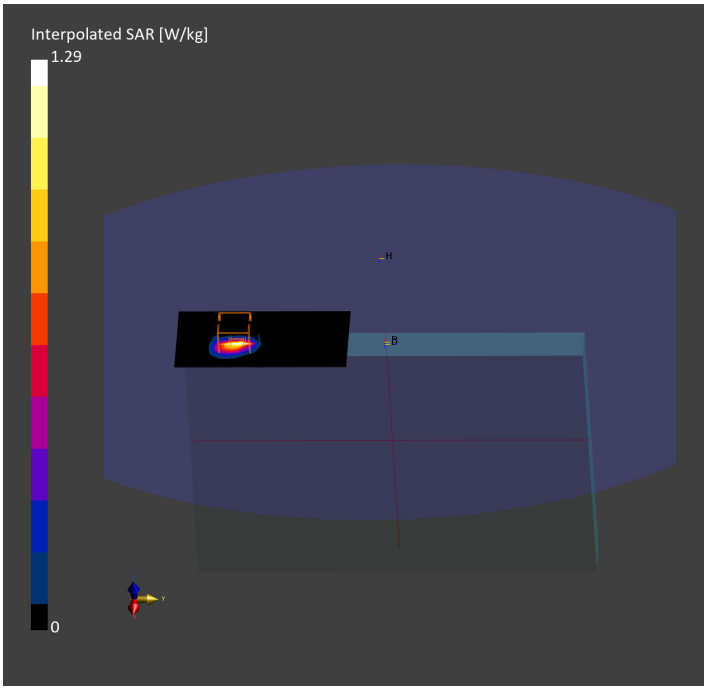
35_WLAN5GHz_802.11ac80-VHT0_CH155_Bottom_0mm_ANT Main_verify

Communication System: UID 10544-AAD, WLAN; Frequency: 5775.000 MHz
Medium parameters used: f = 5775.000 MHz; Conductivity = 5.40 S/m; Permittivity = 35.0
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7728; ConvF(5.09, 5.35, 5.13); Calibrated: 2023-11-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn916; Calibrated: 2023-11-29
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (60.0 mm x 120.0 mm): Measurement grid: 10.0 mm x 10.0 mm
SAR (1 g) = 0.899 W/kg; SAR (10 g) = 0.275 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 = -0.16 dB
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.292 W/kg
Smallest distance from peaks to all points 3 dB below = 5.9
Ratio of SAR at M2 to SAR at M1 = 59.8



Test Laboratory: DEKRA Date: 2024-05-07

36_WLAN6GHz_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 = 5.47 S/m; Permittivity = 35.9
Phantom section: Flat
DASY Configuration:

- Probe: EX3DV4 - SN7728; ConvF(5.4, 5.64, 5.34); Calibrated: 2023-11-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn916; Calibrated: 2023-11-29
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.2.4.2524

Area Scan (68.0 mm x 102.0 mm): Measurement grid: 8.5 mm x 8.5 mm
SAR (1 g) = 0.707 W/kg; SAR (10 g) = 0.190 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) = 0.788 W/kg; SAR(10 g) = 0.204 W/kg
psAPD (4.0cm2, sq) = 4.80 W/m2
Smallest distance from peaks to all points 3 dB below = 5.9
Ratio of SAR at M2 to SAR at M1 = 54.7