Appendix B. Highest Measurement Data

Test Laboratory: DEKRA Date: 2024/10/07

1_WLAN2.4GHz_802.11b-1M_CH6_Bottom of laptop_0mm_ANT Main_Luxshare

DUT: Notebook PC; Type: S5606C

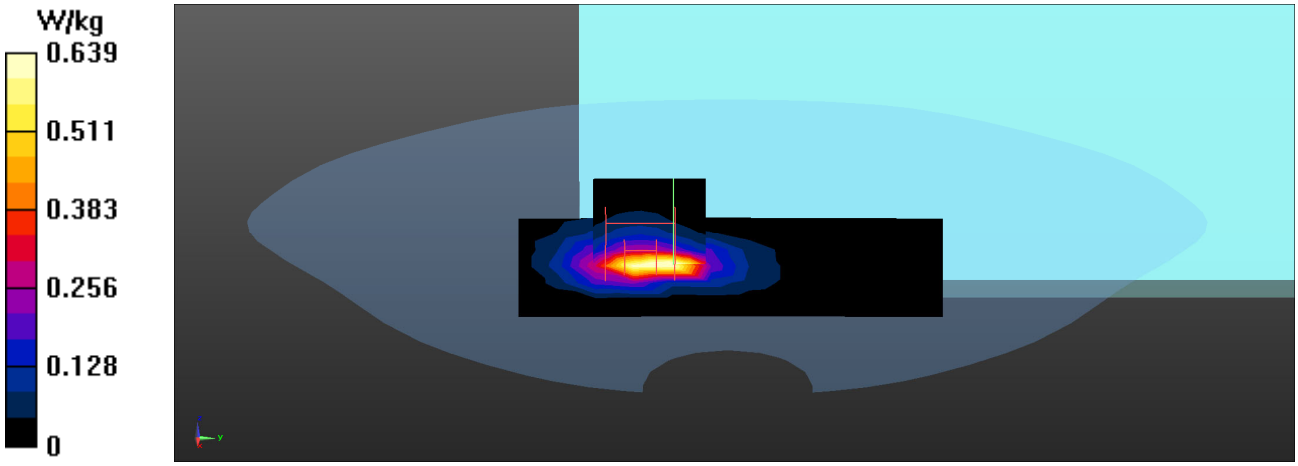
Communication System: UID 0, WLAN 2.4G; Frequency: 2437 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 2437 MHz; σ = 1.74 S/m; ε_r = 39.22; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.15, 7.15, 7.15) @ 2437 MHz; Calibrated: 2023/11/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2023/11/22
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x12x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.639 W/kg

Configuration/Flat/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.964 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.990 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.176 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 51.5%
Maximum value of SAR (measured) = 0.696 W/kg



Test Laboratory: DEKRA Date: 2024/10/07

3_Bluetooth_BT-1M_CH39_Bottom of laptop_0mm_ANT Aux_Luxshare

DUT: Notebook PC; Type: S5606C

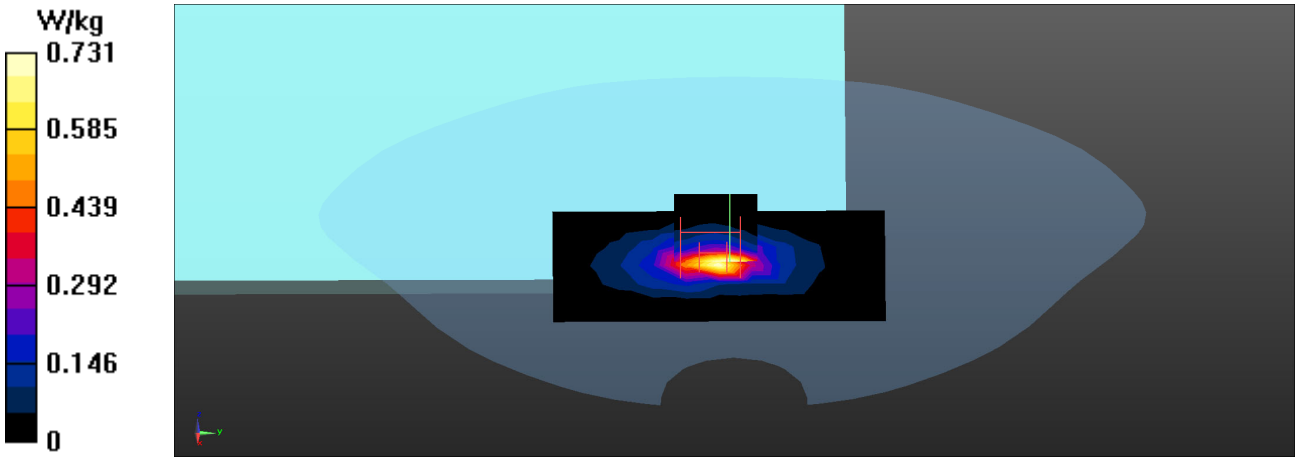
Communication System: UID 0, BT 1M&3M&BLE; Frequency: 2441 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 2441 MHz; σ = 1.74 S/m; ε_r = 39.21; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3698; ConvF(7.15, 7.15, 7.15) @ 2441 MHz; Calibrated: 2023/11/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2023/11/22
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.731 W/kg

Configuration/Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.04 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.169 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 44.3%
Maximum value of SAR (measured) = 0.782 W/kg



Test Laboratory: DEKRA Date: 2024/10/10

12_WLAN5GHz_802.11ac80-HT0_CH58_Bottom of laptop_0mm_ANT Main_Luxshare

DUT: Notebook PC; Type: S5606C

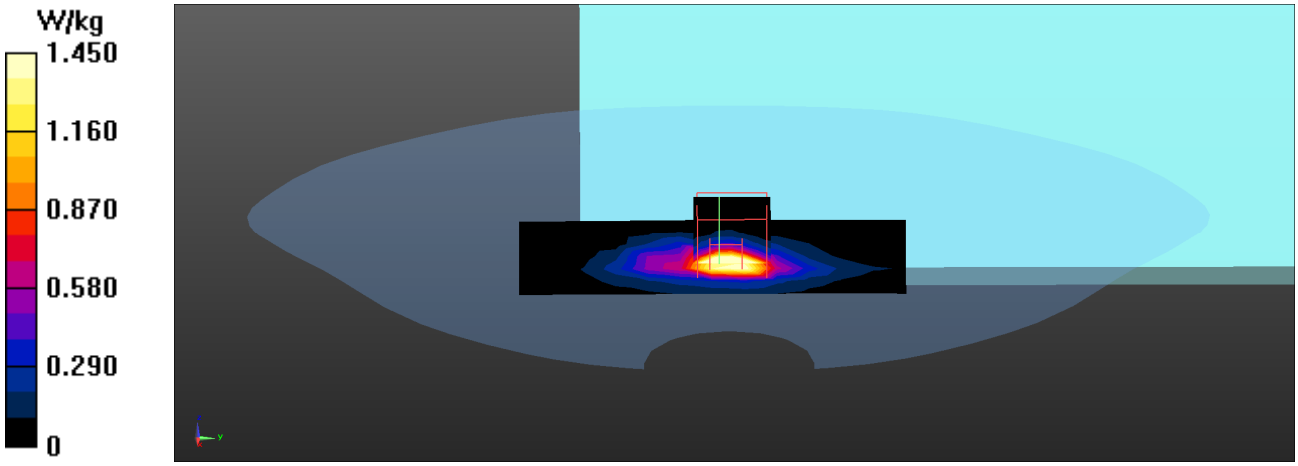
Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 5290 MHz; σ = 4.76 S/m; ε_r = 36.3; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.71, 4.71, 4.71) @ 5290 MHz; Calibrated: 2023/11/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2023/11/22
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.45 W/kg

Configuration/Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 26.09 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 4.93 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.285 W/kg
Smallest distance from peaks to all points 3 dB below = 4.2 mm
Ratio of SAR at M2 to SAR at M1 = 67.3%
Maximum value of SAR (measured) = 2.63 W/kg



Test Laboratory: DEKRA Date: 2024/10/10

25_WLAN5GHz_802.11ac80-HT0_CH106_Bottom of laptop_0mm_ANT Main_Luxshare

DUT: Notebook PC; Type: S5606C

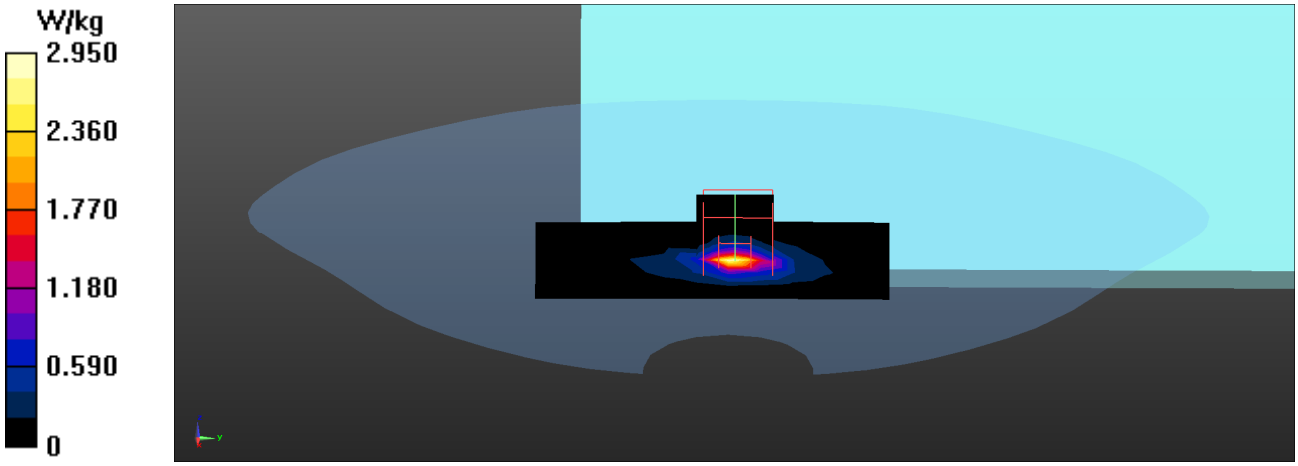
Communication System: UID 0, WLAN 5G; Frequency: 5530 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 5530 MHz; σ = 5.08 S/m; ε_r = 35.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.41, 4.41, 4.41) @ 5530 MHz; Calibrated: 2023/11/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2023/11/22
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.95 W/kg

Configuration/Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 27.71 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 5.24 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.296 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 63.3%
Maximum value of SAR (measured) = 3.14 W/kg



Test Laboratory: DEKRA Date: 2024/10/10

14_WLAN5GHz_802.11ac80-HT0_CH155_Bottom of laptop_0mm_ANT Main_Luxshare

DUT: Notebook PC; Type: S5606C

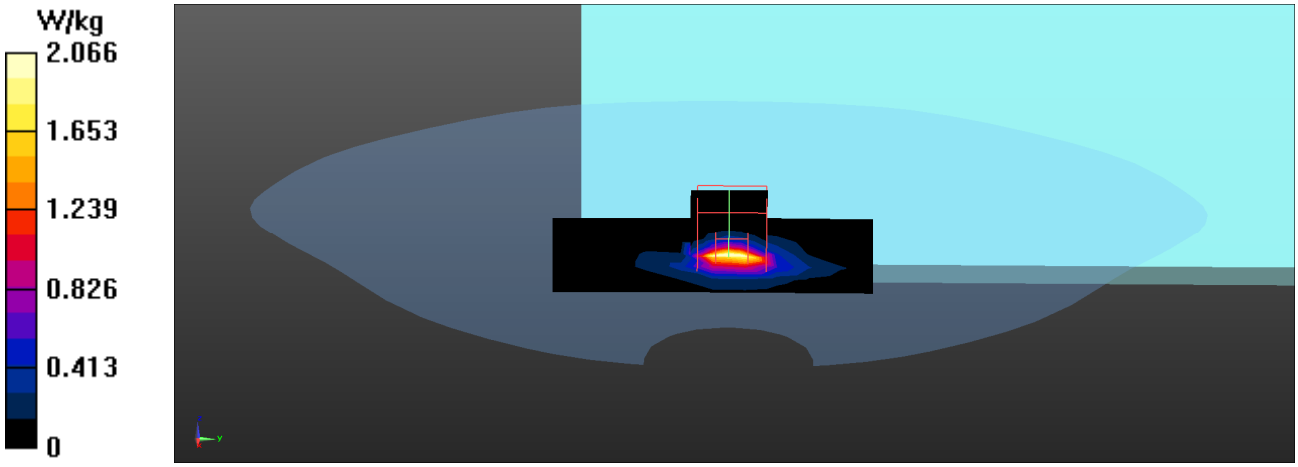
Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 5775 MHz; σ = 5.4 S/m; ε_r = 35; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.6, 4.6, 4.6) @ 5775 MHz; Calibrated: 2023/11/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2023/11/22
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.07 W/kg

Configuration/Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 25.69 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 5.25 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.261 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 60.5%
Maximum value of SAR (measured) = 2.96 W/kg



Test Laboratory: DEKRA Date: 2024-10-20

38_WLAN6E_802.11be320-EHT0_CH191_Bottom of laptop_0mm_Ant Aux_Luxshare

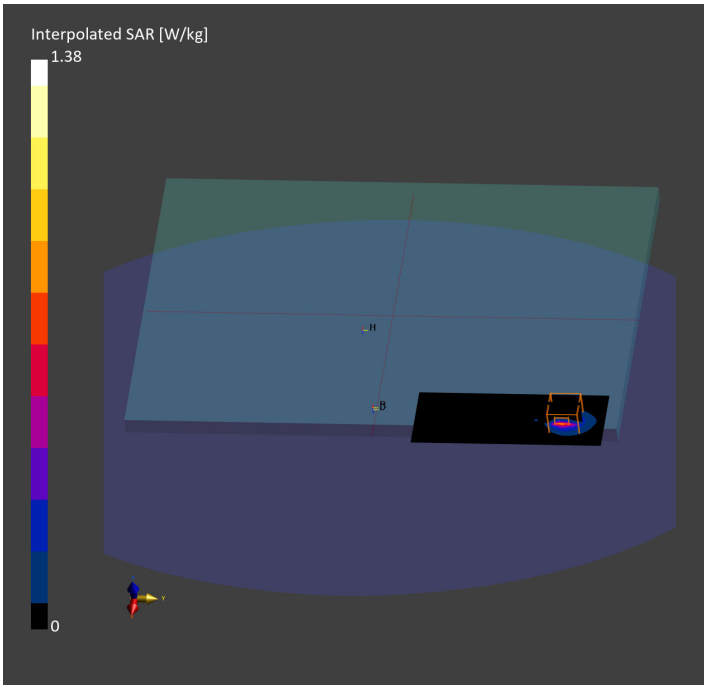
Communication System: UID 11026-AAB, WLAN; Frequency: 6905.000 MHz
Medium parameters used: f = 6905.000 MHz; Conductivity = 6.53 S/m; Permittivity = 34.7
Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.71, 4.83, 4.78); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (51.0 mm x 136.0 mm): Measurement grid: 8.5 mm x 8.5 mm
SAR (1 g) = 0.889 W/kg; SAR (10 g) = 0.207 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 = -0.06 dB
SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.205 W/kg
psAPD (4.0cm2, sq) = 4.85 W/m2
Smallest distance from peaks to all points 3 dB below = 4.1
Ratio of SAR at M2 to SAR at M1 = 51.3



4_WLAN6GHz_802.11be320-EHT0_CH159_Bottom of laptop_2mm_ANT Aux_Luxshare

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
S5606C	352.0 x 245.0 x 6.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of laptop, 2.00	U-NII-7	WLAN, 11026-AAA	6745.0, 159	1.0

Hardware Setup

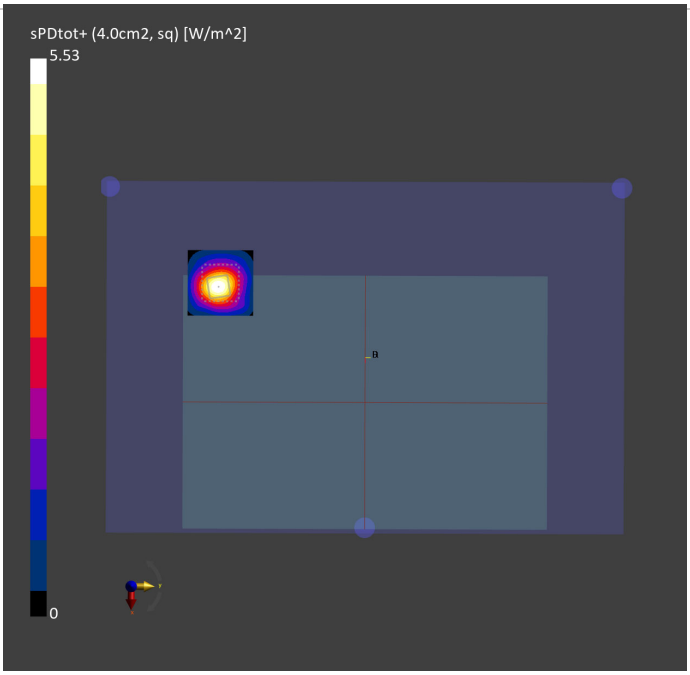
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1068	Air	EUmmWV4 - SN9546_F1-55GHz, 2024-04-18	DAE4 Sn1651, 2024-02-15

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.0459 x 0.0459
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-21
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	4.82
psPDtot+ [W/m^2]	5.53
psPDmod+ [W/m^2]	5.89
E_{max} [V/m]	67.6
Power Drift [dB]	0.11



SAR measurement variability

Test Laboratory: DEKRA Date: 2024/10/10

32_WLAN5GHz_802.11ac80-HT0_CH106_Bottom of laptop_0mm_ANT Main_Luxshare-Verify

DUT: Notebook PC; Type: S5606C

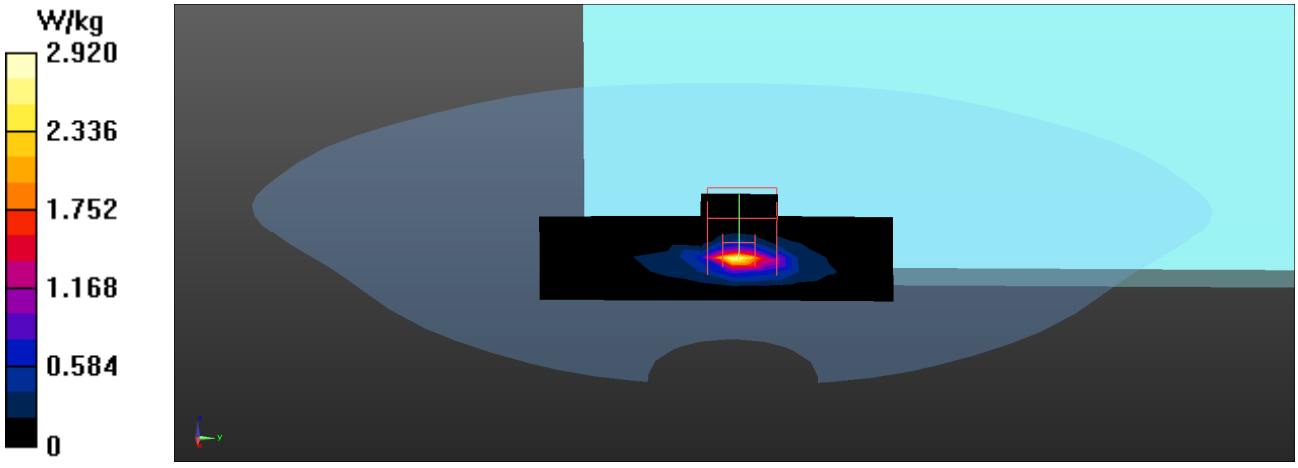
Communication System: UID 0, WLAN 5G; Frequency: 5530 MHz
Communication System PAR: 0 dB
Medium parameters used: f = 5530 MHz; σ = 5.08 S/m; ε_r = 35.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3698; ConvF(4.41, 4.41, 4.41) @ 5530 MHz; Calibrated: 2023/11/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2023/11/22
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.92 W/kg

Configuration/Flat/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 27.71 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 5.18 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.293 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 63.3%
Maximum value of SAR (measured) = 3.11 W/kg



Test Laboratory: DEKRA Date: 2024-10-20

91_WLAN6E_802.11be320-EHT0_CH191_Bottom of laptop_0mm_Ant Aux_Luxshare_verify

Communication System: UID 11026-AAB, WLAN; Frequency: 6905.000 MHz
Medium parameters used: f = 6905.000 MHz; Conductivity = 6.53 S/m; Permittivity = 34.7
Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.71, 4.83, 4.78); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (51.0 mm x 136.0 mm): Measurement grid: 8.5 mm x 8.5 mm
SAR (1 g) = 0.562 W/kg; SAR (10 g) = 0.156 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 = -0.19 dB
SAR(1 g) = 0.882 W/kg; SAR(10 g) = 0.184 W/kg
psAPD (4.0cm2, sq) = 4.35 W/m2
Smallest distance from peaks to all points 3 dB below = 3.7
Ratio of SAR at M2 to SAR at M1 = 58.6