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## Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2024/09/18

**3\_WLAN2.4GHz\_802.11b-1M\_CH11\_Top(PAD)\_0mm\_ANT Main****DUT: Notebook PC; Type: N23H3**

Communication System: UID 0, WLAN 2.4G; Frequency: 2462 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.79$  S/m;  $\epsilon_r = 39.17$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) @ 2462 MHz; Calibrated: 2023/11/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2023/11/22
- Phantom: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/Flat/Area Scan (9x10x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.40 W/kg

**Configuration/Flat/Zoom Scan (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.190 V/m; Power Drift = -0.13 dB

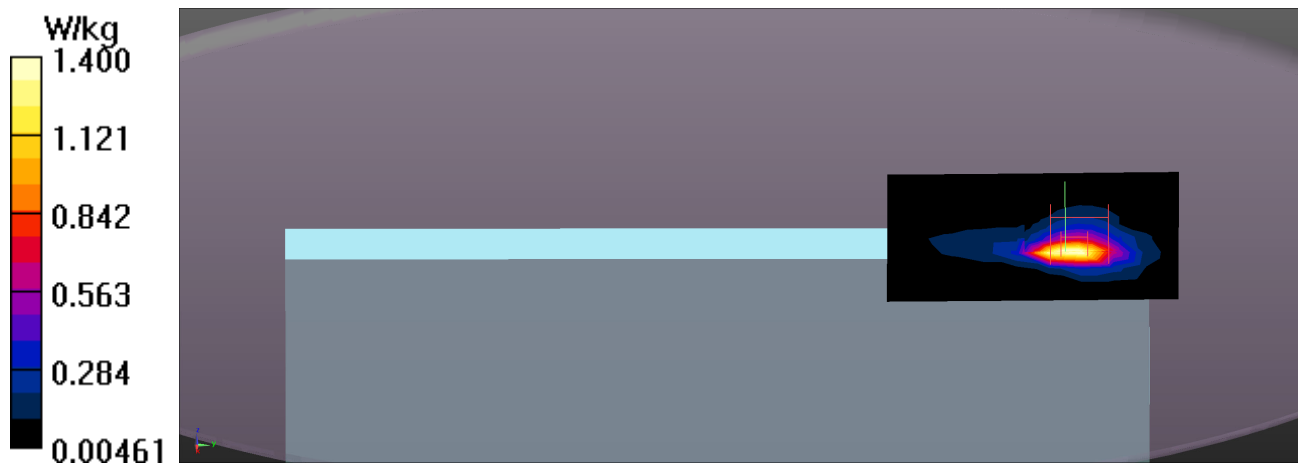
Peak SAR (extrapolated) = 1.92 W/kg

**SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.367 W/kg**

Smallest distance from peaks to all points 3 dB below = 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 44.4%

Maximum value of SAR (measured) = 1.47 W/kg



Test Laboratory: DEKRA

Date: 2024/09/18

**48\_Bluetooth\_BT-1M\_CH39\_Top(PAD)\_0mm\_ANT Aux****DUT: Notebook PC; Type: N23H3**

Communication System: UID 0, BT 1M&amp;3M&amp;BLE; Frequency: 2441 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 2441$  MHz;  $\sigma = 1.77$  S/m;  $\epsilon_r = 39.24$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/Flat/Area Scan (10x13x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.384 W/kg

**Configuration/Flat/Zoom Scan (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.97 V/m; Power Drift = -0.07 dB

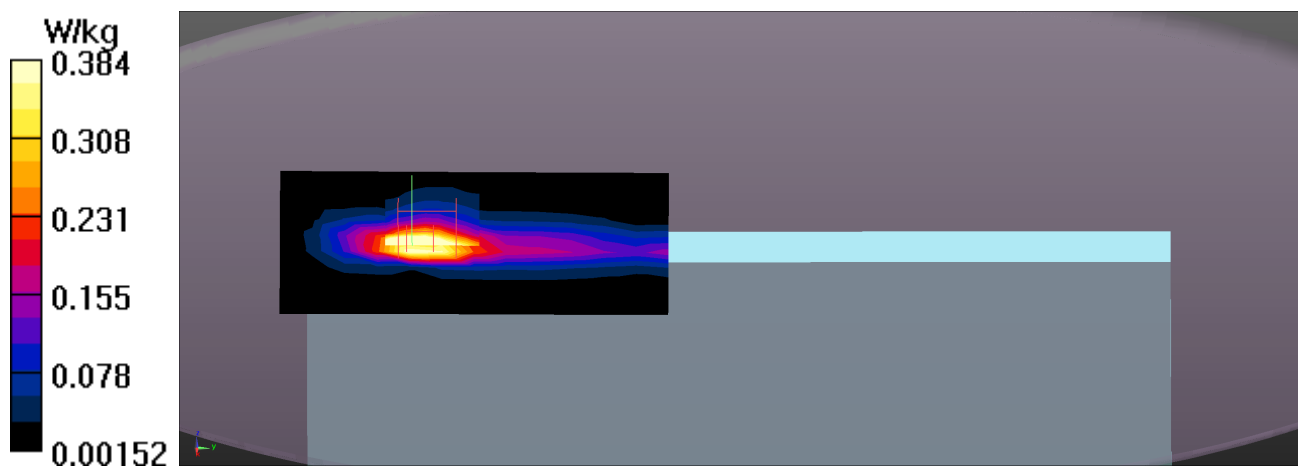
Peak SAR (extrapolated) = 0.861 W/kg

**SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.160 W/kg**

Smallest distance from peaks to all points 3 dB below = 6 mm

Ratio of SAR at M2 to SAR at M1 = 42.6%

Maximum value of SAR (measured) = 0.676 W/kg



Test Laboratory: DEKRA

Date: 2024/09/19

**13\_WLAN5GHz\_802.11ac80-VHT0\_CH58\_Top(PAD)\_0mm\_ANT Aux****DUT: Notebook PC; Type: N23H3**

Communication System: UID 0, WLAN 5G; Frequency: 5290 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.83$  S/m;  $\epsilon_r = 36.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/Flat/Area Scan (9x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.910 W/kg

**Configuration/Flat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.62 V/m; Power Drift = 0.02 dB

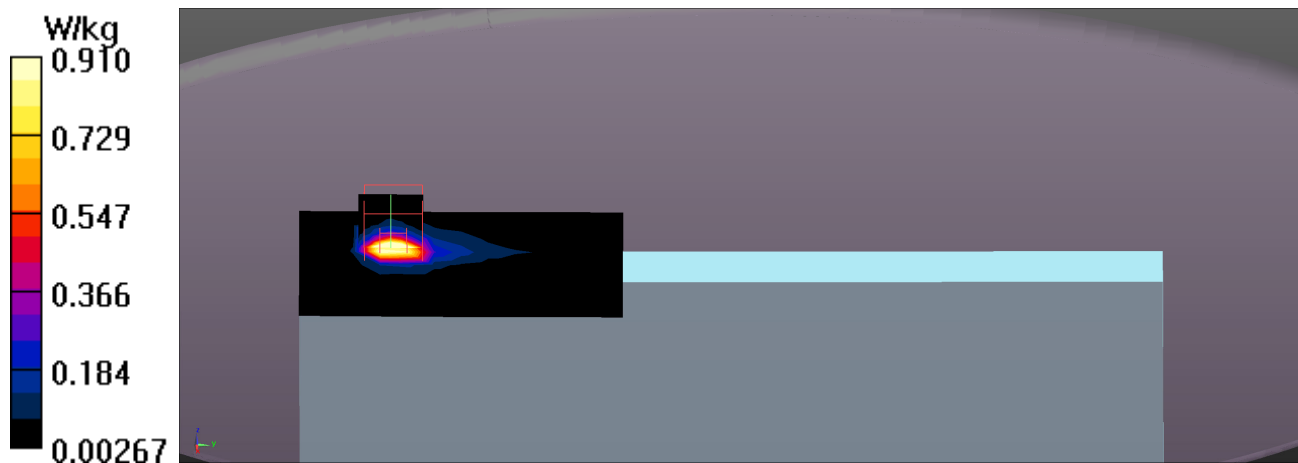
Peak SAR (extrapolated) = 2.58 W/kg

**SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.171 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 67%

Maximum value of SAR (measured) = 1.63 W/kg



Test Laboratory: DEKRA

Date: 2024/09/19

**17\_WLAN5GHz\_802.11ac80-VHT0\_CH106\_Top(PAD)\_0mm\_ANT Aux****DUT: Notebook PC; Type: N23H3**

Communication System: UID 0, WLAN 5G; Frequency: 5530 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.15$  S/m;  $\epsilon_r = 35.64$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS (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: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASYS2, Version 52.10 (4);

**Configuration/Flat/Area Scan (9x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.54 W/kg

**Configuration/Flat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 21.14 V/m; Power Drift = -0.17 dB

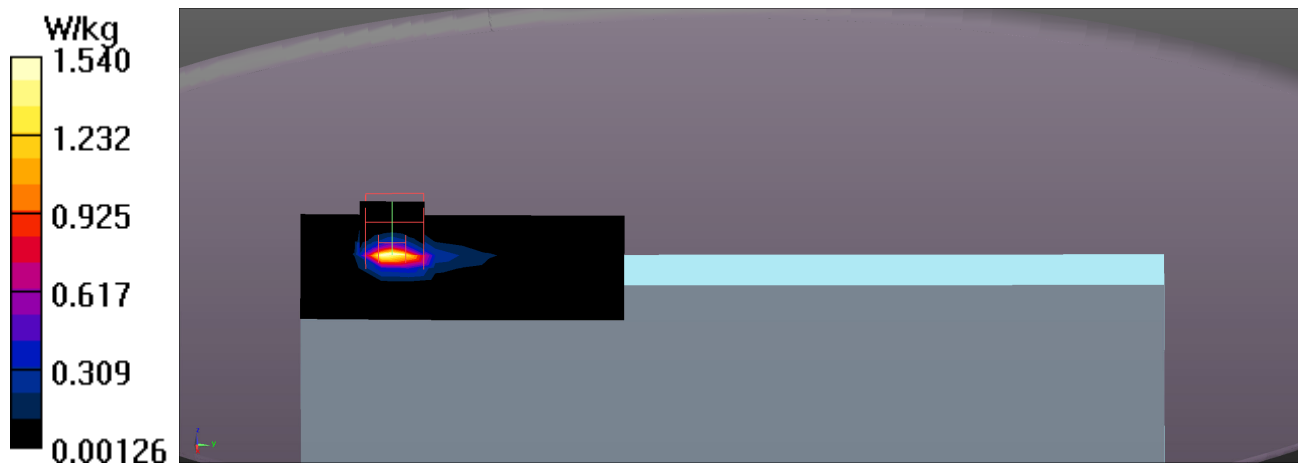
Peak SAR (extrapolated) = 3.09 W/kg

**SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.193 W/kg**

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 64.3%

Maximum value of SAR (measured) = 1.90 W/kg



Test Laboratory: DEKRA

Date: 2024/09/19

**15\_WLAN5GHz\_802.11ac80-VHT0\_CH155\_Top(PAD)\_0mm\_ANT Aux****DUT: Notebook PC; Type: N23H3**

Communication System: UID 0, WLAN 5G; Frequency: 5775 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 5775 \text{ MHz}$ ;  $\sigma = 5.47 \text{ S/m}$ ;  $\epsilon_r = 34.98$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASYS (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: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASYS2, Version 52.10 (4);

**Configuration/Flat/Area Scan (10x14x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ 

Maximum value of SAR (measured) = 1.92 W/kg

**Configuration/Flat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ 

Reference Value = 21.89 V/m; Power Drift = -0.19 dB

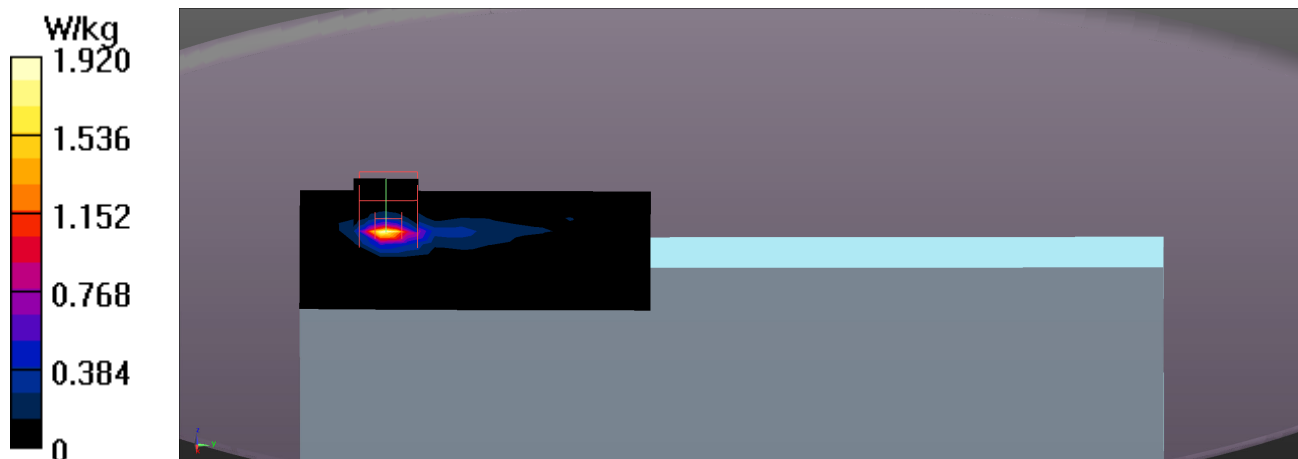
Peak SAR (extrapolated) = 3.67 W/kg

**SAR(1 g) = 0.773 W/kg; SAR(10 g) = 0.199 W/kg**

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 61%

Maximum value of SAR (measured) = 2.09 W/kg



## SAR measurement variability

Test Laboratory: DEKRA

Date: 2024/09/18

### 9\_WLAN2.4GHz\_802.11b-1M\_CH11\_Top(PAD)\_0mm\_ANT Main-verify

**DUT: Notebook PC; Type: N23H3**

Communication System: UID 0, WLAN 2.4G; Frequency: 2462 MHz

Communication System PAR: 0 dB

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.79$  S/m;  $\epsilon_r = 39.17$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) @ 2462 MHz; Calibrated: 2023/11/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1207; Calibrated: 2023/11/22
- Phantom: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASY52, Version 52.10 (4);

**Configuration/Flat/Area Scan (9x10x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.25 W/kg

**Configuration/Flat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.53 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 0.833 W/kg; SAR(10 g) = 0.361 W/kg**

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 45.7%

Maximum value of SAR (measured) = 1.49 W/kg

