
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2024/11/26

5_WLAN2.4GHz_802.11b-1M_CH11_Bottom of laptop_0mm_ANT Main_Pulse**DUT: Notebook PC; Type: M1407**

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; $\epsilon_r = 39.04$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.41, 7.41, 7.41) @ 2462 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/Flat/Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.70 W/kg

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

Reference Value = 23.73 V/m; Power Drift = -0.14 dB

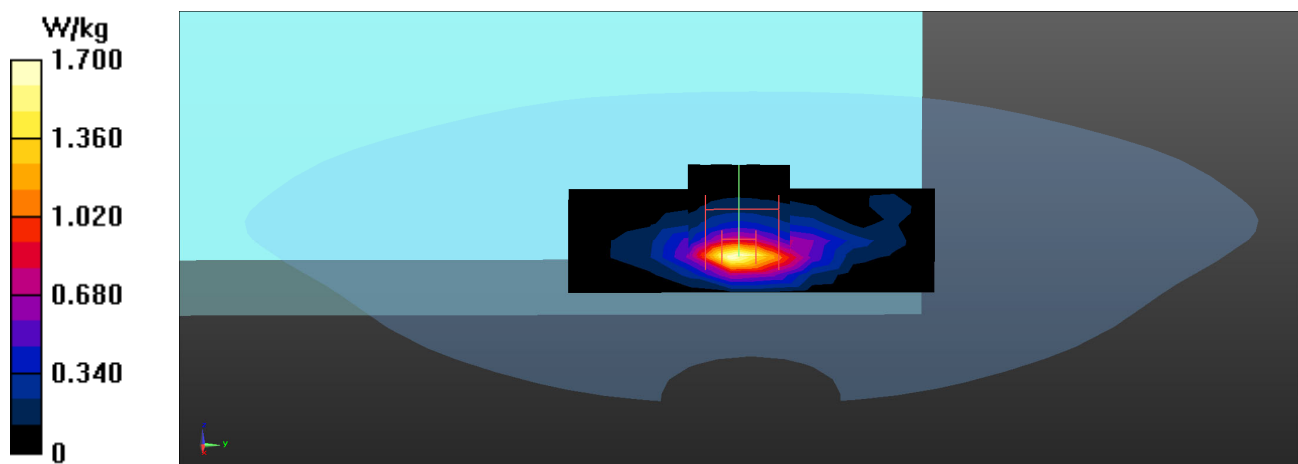
Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.491 W/kg

Smallest distance from peaks to all points 3 dB below = 11 mm

Ratio of SAR at M2 to SAR at M1 = 48.9%

Maximum value of SAR (measured) = 1.72 W/kg



Test Laboratory: DEKRA

Date: 2024/11/26

12_Bluetooth_BT-1M_CH39_Bottom of laptop_0mm_ANT Aux_Pulse**DUT: Notebook PC; Type: M1407**

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

Communication System PAR: 0 dB

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.76$ S/m; $\epsilon_r = 39.15$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.41, 7.41, 7.41) @ 2441 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.107 W/kg

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

Reference Value = 7.934 V/m; Power Drift = 0.03 dB

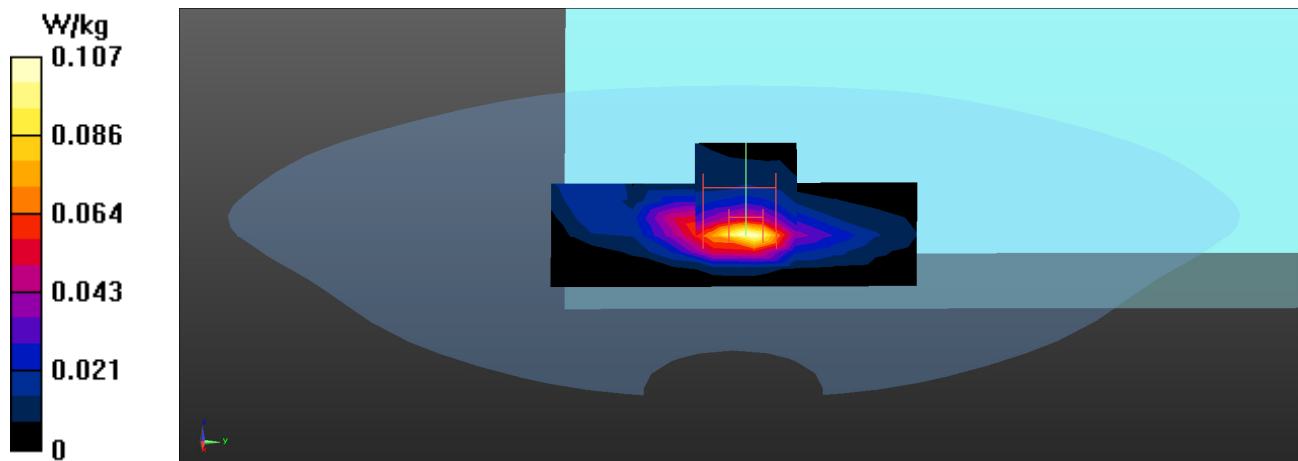
Peak SAR (extrapolated) = 0.142 W/kg

SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.034 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 0.111 W/kg



Test Laboratory: DEKRA

Date: 2024/11/27

13_WLAN5GHz_802.11ac80M-VHT0_CH58_Front edge of laptop_0mm_ANT Main_Pulse**DUT: Notebook PC; Type: M1407**

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

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.72$ S/m; $\epsilon_r = 36.19$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(5.23, 5.23, 5.23) @ 5290 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x9x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.93 W/kg

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

Reference Value = 22.88 V/m; Power Drift = -0.11 dB

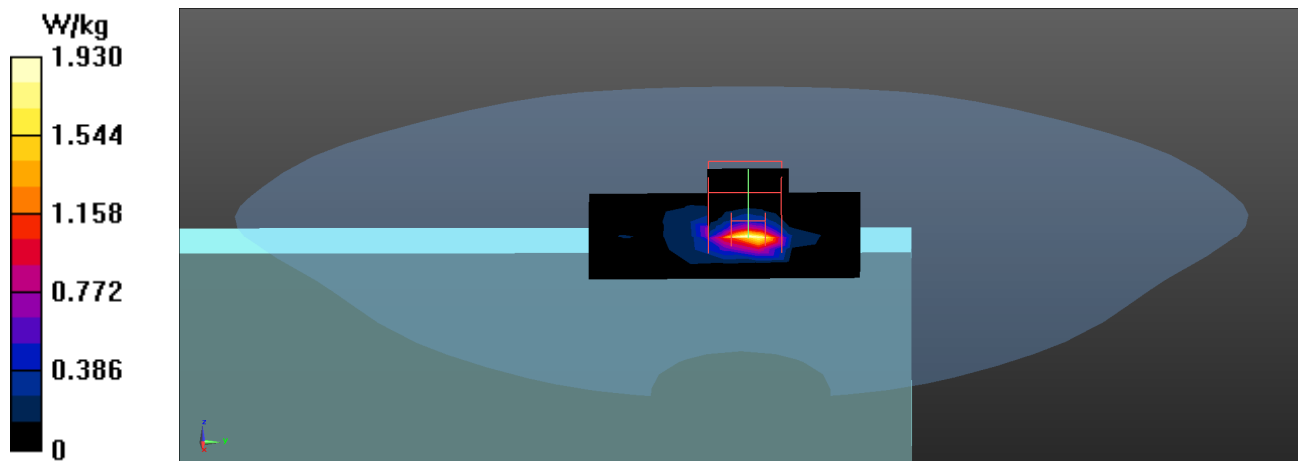
Peak SAR (extrapolated) = 4.05 W/kg

SAR(1 g) = 0.963 W/kg; SAR(10 g) = 0.263 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 65.2%

Maximum value of SAR (measured) = 2.48 W/kg



Test Laboratory: DEKRA

Date: 2024/11/27

14_WLAN5GHz_802.11ac80M-VHT0_CH106_Front edge of laptop_0mm_ANT Main_Pulse**DUT: Notebook PC; Type: M1407**

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

Communication System PAR: 0 dB

Medium parameters used: $f = 5530$ MHz; $\sigma = 4.97$ S/m; $\epsilon_r = 35.52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(4.63, 4.63, 4.63) @ 5530 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.10 W/kg

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

Reference Value = 22.12 V/m; Power Drift = -0.07 dB

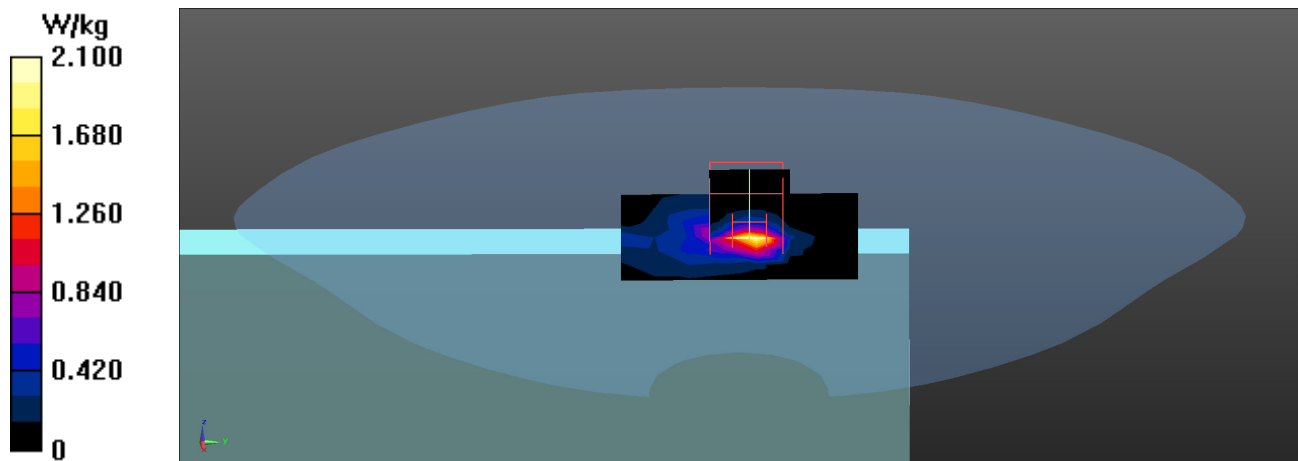
Peak SAR (extrapolated) = 4.38 W/kg

SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.300 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 63%

Maximum value of SAR (measured) = 2.56 W/kg



Test Laboratory: DEKRA

Date: 2024-11-29

50_WLAN5GHz_802.11ac80-VHT0_CH171_Front edge of laptop_0mm_ANT Aux_Pulse

Communication System: UID 10544-AAD, CW; Frequency: 5855.000 MHz

Medium parameters used: $f = 5855.000$ MHz; Conductivity = 5.59 S/m; Permittivity = 34.78

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.47, 4.6, 4.54); 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 (80.0 mm x 140.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.715 W/kg; SAR (10 g) = 0.207 W/kg

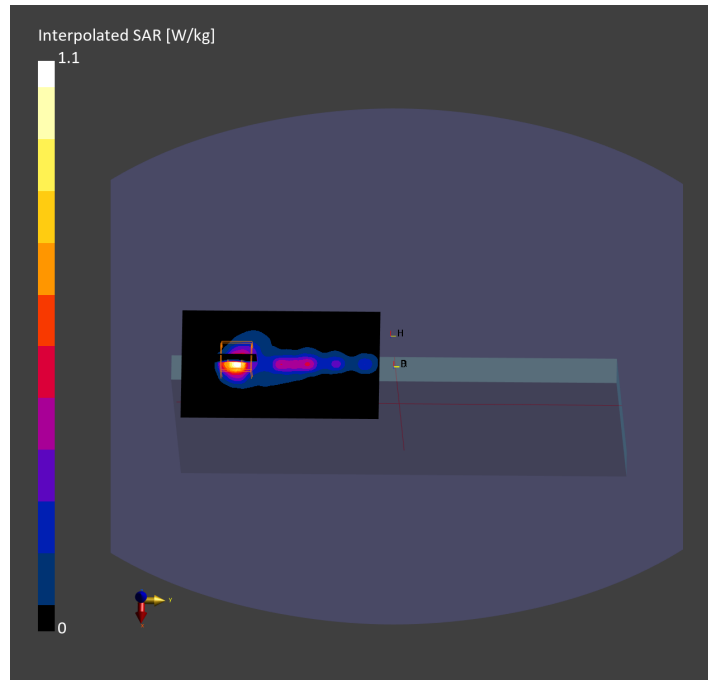
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.06 dB

SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.215 W/kg

Smallest distance from peaks to all points 3 dB below = 6.5

Ratio of SAR at M2 to SAR at M1 = 61.1



SAR Measurement Variability

Test Laboratory: DEKRA

Date: 2024/11/26

11_WLAN2.4GHz_802.11b-1M_CH11_Bottom of laptop_0mm_ANT Main_Pulse_Verify

DUT: Notebook PC; Type: M1407

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; $\epsilon_r = 39.04$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.41, 7.41, 7.41) @ 2462 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.61 W/kg

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

Reference Value = 32.14 V/m; Power Drift = -0.06 dB

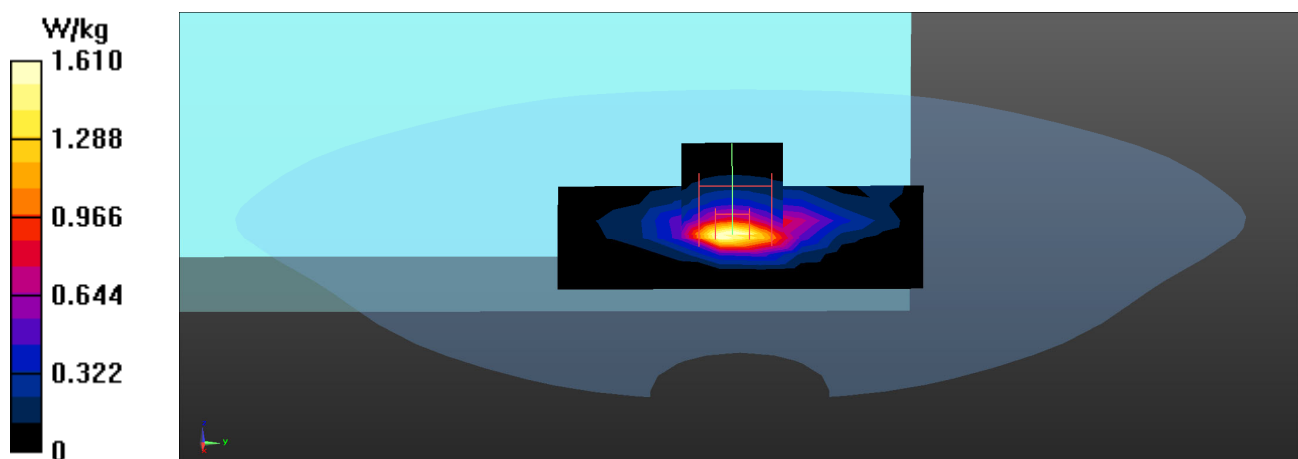
Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.490 W/kg

Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 47.7%

Maximum value of SAR (measured) = 1.73 W/kg



Test Laboratory: DEKRA

Date: 2024/11/27

27_WLAN5GHz_802.11ac80M-VHT0_CH106_Front edge of laptop_0mm_ANT Main_Pulse_Verify**DUT: Notebook PC; Type: M1407**

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

Communication System PAR: 0 dB

Medium parameters used: $f = 5530$ MHz; $\sigma = 4.97$ S/m; $\epsilon_r = 35.52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3801; ConvF(4.63, 4.63, 4.63) @ 5530 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.60 W/kg

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

Reference Value = 18.79 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.24 W/kg

SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.268 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 63.3%

Maximum value of SAR (measured) = 2.54 W/kg

