
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2024/12/01

1_WLAN2.4GHz_802.11b-1M_CH6_Bottom of laptop_0mm_ANT Main_Pluse**DUT: Notebook PC; Type: M1407**

Communication System: UID 0, WLAN 2.4G; Frequency: 2437 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.76$ S/m; $\epsilon_r = 39.22$; $\rho = 1000$ 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) @ 2437 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.67 W/kg

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

Reference Value = 33.87 V/m; Power Drift = -0.03 dB

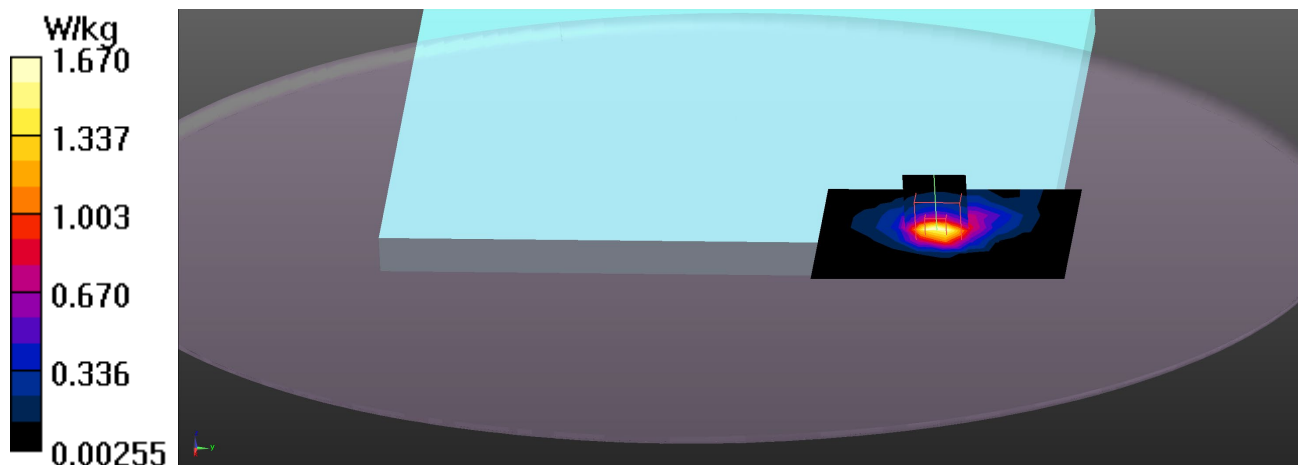
Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.550 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.2%

Maximum value of SAR (measured) = 1.88 W/kg



Test Laboratory: DEKRA

Date: 2024/12/01

33_Bluetooth_BT-1M_CH39_Bottom of laptop_0mm_ANT Aux_Pluse**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; $\epsilon_r = 39.21$; $\rho = 1000$ 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) @ 2441 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/Flat/Area Scan (8x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.320 W/kg

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

Reference Value = 13.86 V/m; Power Drift = -0.13 dB

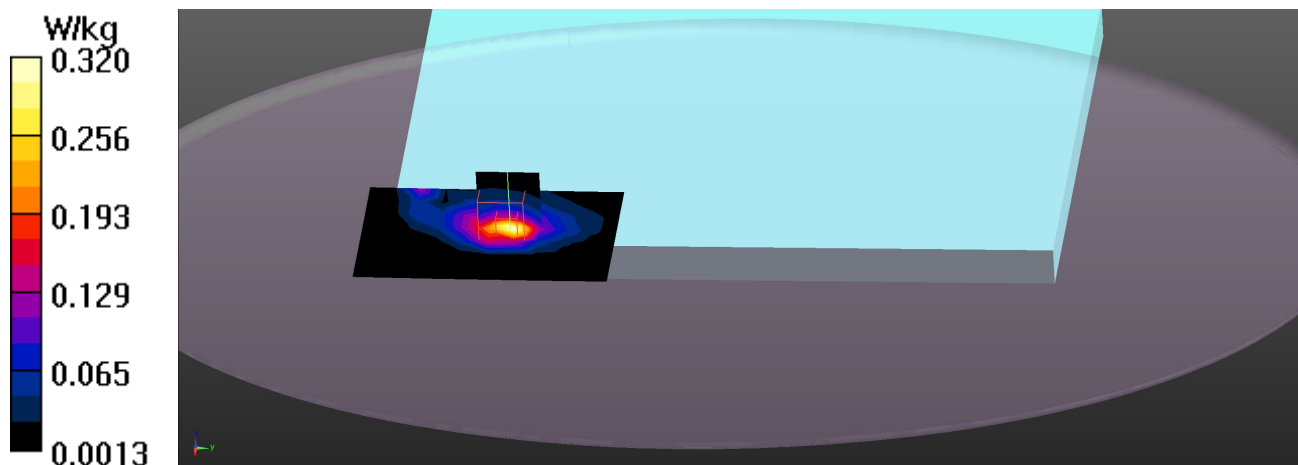
Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.097 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 48.2%

Maximum value of SAR (measured) = 0.325 W/kg



Test Laboratory: DEKRA

Date: 2024/11/30

15_WLAN5GHz_802.11n40-HT0_CH54_Front edge of laptop_0mm_ANT Main_Pluse**DUT: Notebook PC; Type: M1407**

Communication System: UID 0, WLAN 5G; Frequency: 5270 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 5270$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 36.3$; $\rho = 1000$ 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) @ 5270 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASY52, Version 52.10 (4);

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

Maximum value of SAR (measured) = 1.57 W/kg

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

Reference Value = 10.35 V/m; Power Drift = 0.15 dB

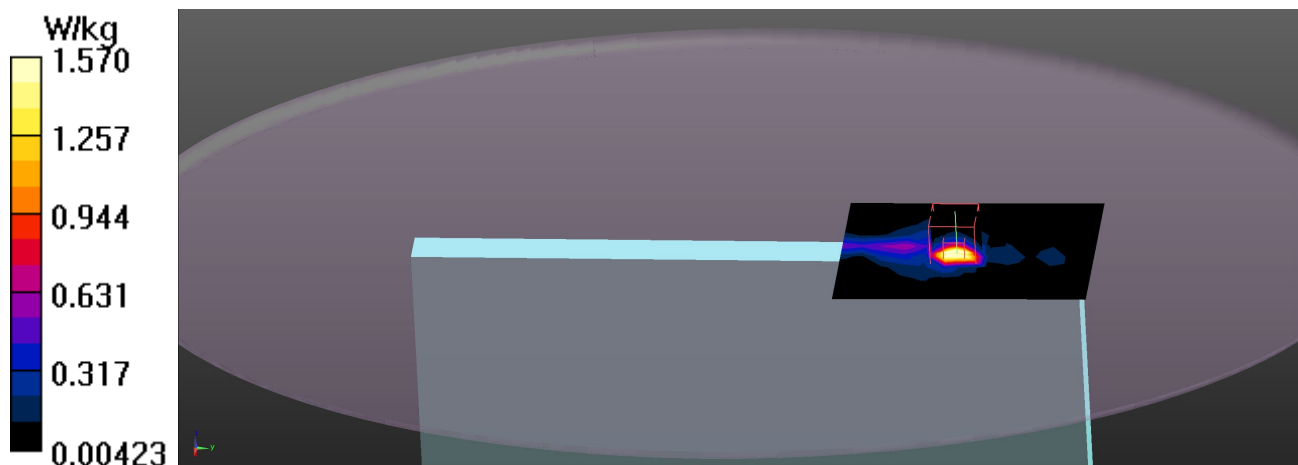
Peak SAR (extrapolated) = 3.94 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.287 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 66.5%

Maximum value of SAR (measured) = 2.53 W/kg



Test Laboratory: DEKRA

Date: 2024/11/30

14_WLAN5GHz_802.11ac80-VHT0_CH106_Front edge of laptop_0mm_ANT Main_Pluse**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; $\sigma = 5.12$ S/m; $\epsilon_r = 35.57$; $\rho = 1000$ 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: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASY52, Version 52.10 (4);

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

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

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

Reference Value = 24.60 V/m; Power Drift = -0.04 dB

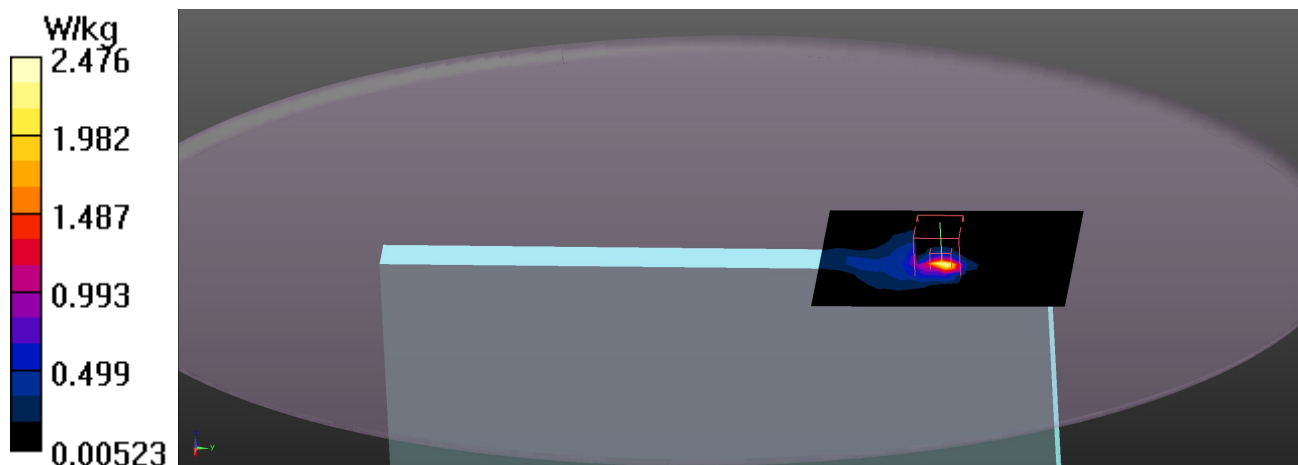
Peak SAR (extrapolated) = 4.25 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.301 W/kg

Smallest distance from peaks to all points 3 dB below = 6.2 mm

Ratio of SAR at M2 to SAR at M1 = 64.7%

Maximum value of SAR (measured) = 2.63 W/kg



Test Laboratory: DEKRA

Date: 2024/11/29

54_WLAN5GHz_802.11ac80-VHT0_CH171_Front edge of laptop_0mm_ANT Aux_Pluse**DUT: Notebook PC; Type: M1407**

Communication System: UID 0, WLAN 5G; Frequency: 5855 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 5855$ MHz; $\sigma = 5.22$ S/m; $\epsilon_r = 35.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN7631; ConvF(5.14, 5.14, 5.14) @ 5855 MHz; Calibrated: 2024/02/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1651; Calibrated: 2024/02/15
- Phantom: ELI V8.0; Type: QD OVA 004 AA; Serial: 2139
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/Flat/Area Scan (8x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.37 W/kg

Configuration/Flat/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.352 V/m; Power Drift = -0.15 dB

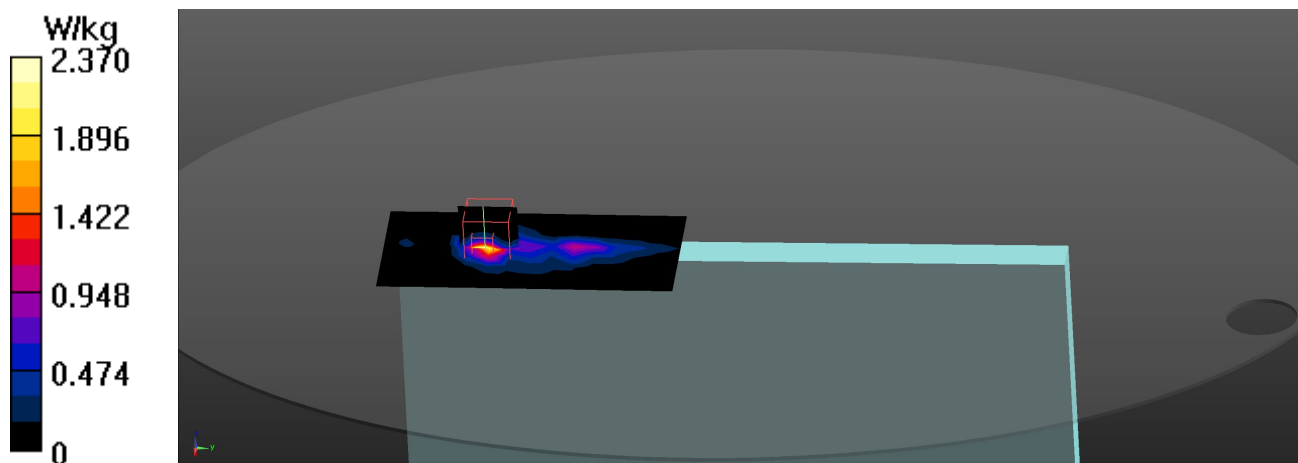
Peak SAR (extrapolated) = 4.59 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.271 W/kg

Smallest distance from peaks to all points 3 dB below = 6.2 mm

Ratio of SAR at M2 to SAR at M1 = 63.1%

Maximum value of SAR (measured) = 2.72 W/kg



SAR Measurement Variability

Test Laboratory: DEKRA

Date: 2024/12/01

42_WLAN2.4GHz_802.11b-1M_CH6_Bottom of laptop_0mm_ANT Main_Pluse_Verify

DUT: Notebook PC; Type: M1407

Communication System: UID 0, WLAN 2.4G; Frequency: 2437 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.76$ S/m; $\epsilon_r = 39.22$; $\rho = 1000$ 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) @ 2437 MHz; Calibrated: 2024/06/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2024/04/18
- Phantom: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.57 W/kg

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

Reference Value = 30.37 V/m; Power Drift = -0.14 dB

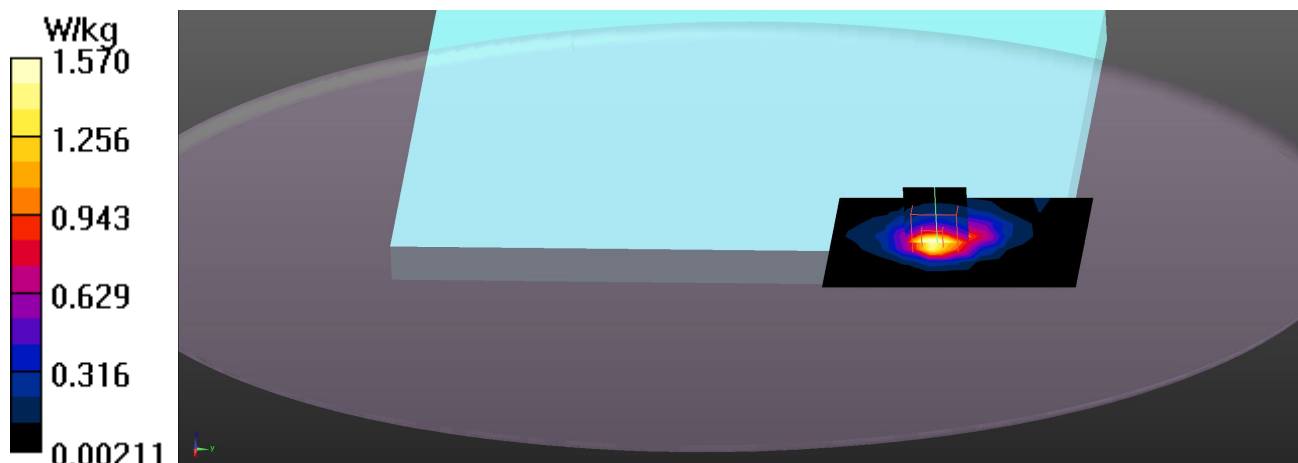
Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.544 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

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

Maximum value of SAR (measured) = 1.80 W/kg



Test Laboratory: DEKRA

Date: 2024/11/30

41_WLAN5GHz_802.11ac80-VHT0_CH106_Front edge of laptop_0mm_ANT Main_Pluse_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; $\sigma = 5.12$ S/m; $\epsilon_r = 35.57$; $\rho = 1000$ 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: ELI 5.0; Type: QDOVA002AA; Serial: 1199
- Measurement SW: DASY52, Version 52.10 (4);

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

Maximum value of SAR (measured) = 2.27 W/kg

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

Reference Value = 23.94 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.03 W/kg

SAR(1 g) = 0.948 W/kg; SAR(10 g) = 0.271 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 63.8%

Maximum value of SAR (measured) = 2.40 W/kg

