
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2025/01/06

2_WLAN2.4GHz_802.11b-1M_CH1_Bottom_0mm_ANT Aux**DUT: Notebook Computer; Type: N25H5**

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.72$ S/m; $\epsilon_r = 39.27$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.39, 8.11, 6.76) @ 2412 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with right 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) = 1.81 W/kg

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

Reference Value = 34.45 V/m; Power Drift = -0.07 dB

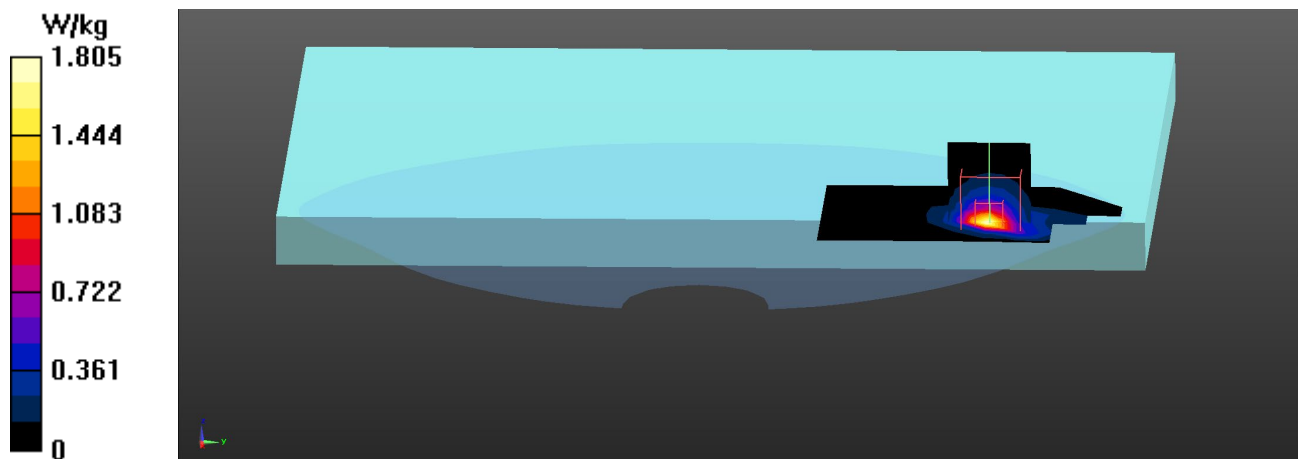
Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.407 W/kg

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

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

Maximum value of SAR (measured) = 1.84 W/kg



Test Laboratory: DEKRA

Date: 2025/01/06

6_Bluetooth_BT-1M_CH39_Bottom_0mm_ANT Aux**DUT: Notebook Computer; Type: N25H5**

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

Communication System PAR: 0 dB

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.75$ S/m; $\epsilon_r = 39.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.39, 8.11, 6.76) @ 2441 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with right 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) = 0.541 W/kg

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

Reference Value = 2.233 V/m; Power Drift = -0.17 dB

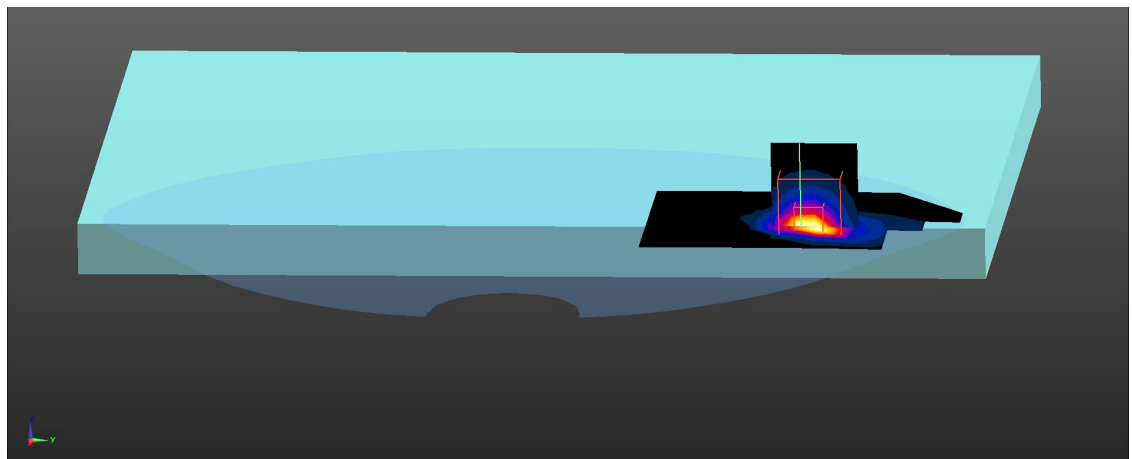
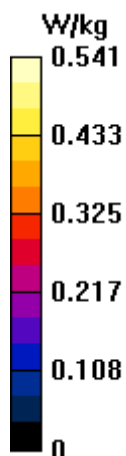
Peak SAR (extrapolated) = 0.810 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.142 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 45.8%

Maximum value of SAR (measured) = 0.589 W/kg



Test Laboratory: DEKRA

Date: 2025/01/06

21_WLAN5GHz_802.11ac80-VHT0_CH58_Bottom_0mm_ANT Aux**DUT: Notebook Computer; Type: N25H5**

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

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.82$ S/m; $\epsilon_r = 36.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(4.53, 5.75, 4.8) @ 5290 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

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

Maximum value of SAR (measured) = 2.30 W/kg

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

Reference Value = 23.73 V/m; Power Drift = -0.01 dB

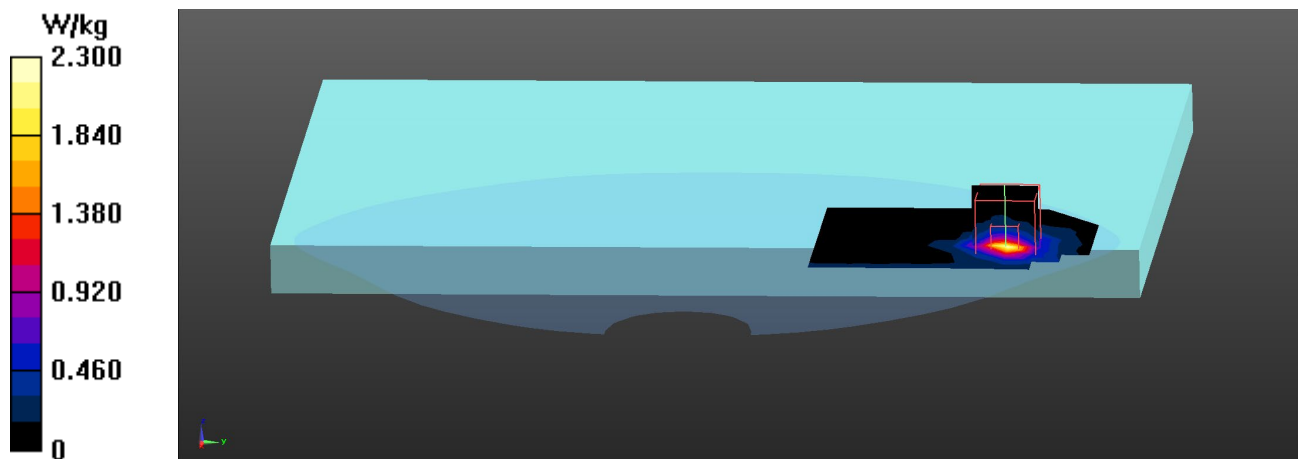
Peak SAR (extrapolated) = 3.59 W/kg

SAR(1 g) = 0.980 W/kg; SAR(10 g) = 0.357 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 65.3%

Maximum value of SAR (measured) = 2.22 W/kg



Test Laboratory: DEKRA

Date: 2025/01/06

30_WLAN5GHz_802.11ac80-VHT0_CH138_Bottom_0mm_ANT Aux**DUT: Notebook Computer; Type: N25H5**

Communication System: UID 0, WLAN 5G; Frequency: 5690 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 5690$ MHz; $\sigma = 5.3$ S/m; $\epsilon_r = 35.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(4.33, 5.49, 4.58) @ 5690 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/Flat/Area Scan (8x12x1): Measurement grid: dx=10mm, dy=10mm

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

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

Reference Value = 17.34 V/m; Power Drift = 0.05 dB

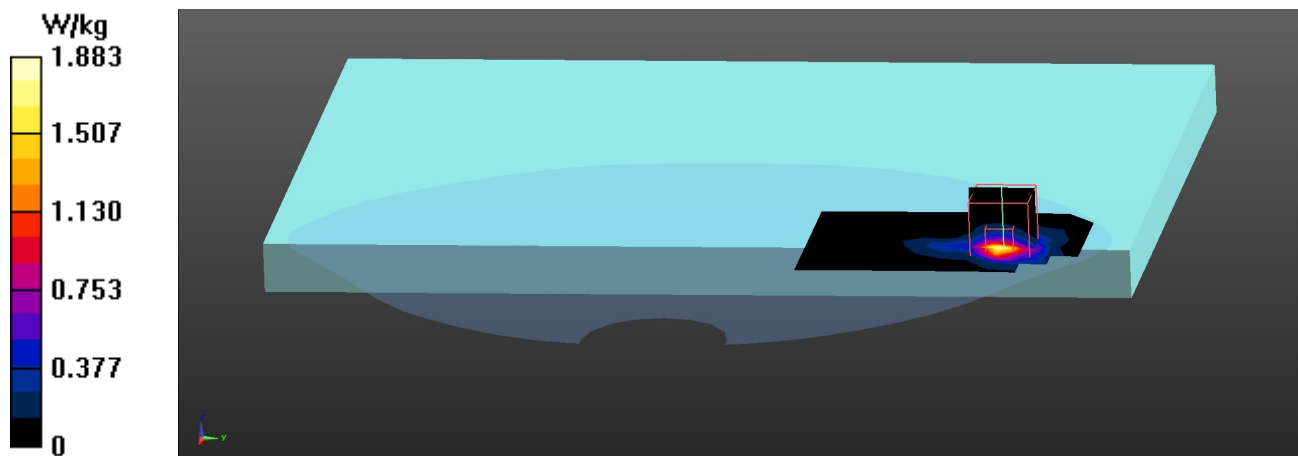
Peak SAR (extrapolated) = 3.56 W/kg

SAR(1 g) = 0.805 W/kg; SAR(10 g) = 0.271 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 57.4%

Maximum value of SAR (measured) = 1.89 W/kg



Test Laboratory: DEKRA

Date: 2025/01/06

27_WLAN5GHz_802.11ac80-VHT0_CH171_Bottom_0mm_ANT Main**DUT: Notebook Computer; Type: N25H5**

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

Communication System PAR: 0 dB

Medium parameters used: $f = 5855$ MHz; $\sigma = 5.53$ S/m; $\epsilon_r = 34.65$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(4.23, 5.36, 4.47) @ 5855 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/Flat/Area Scan (8x12x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.24 W/kg

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

Reference Value = 19.00 V/m; Power Drift = -0.05 dB

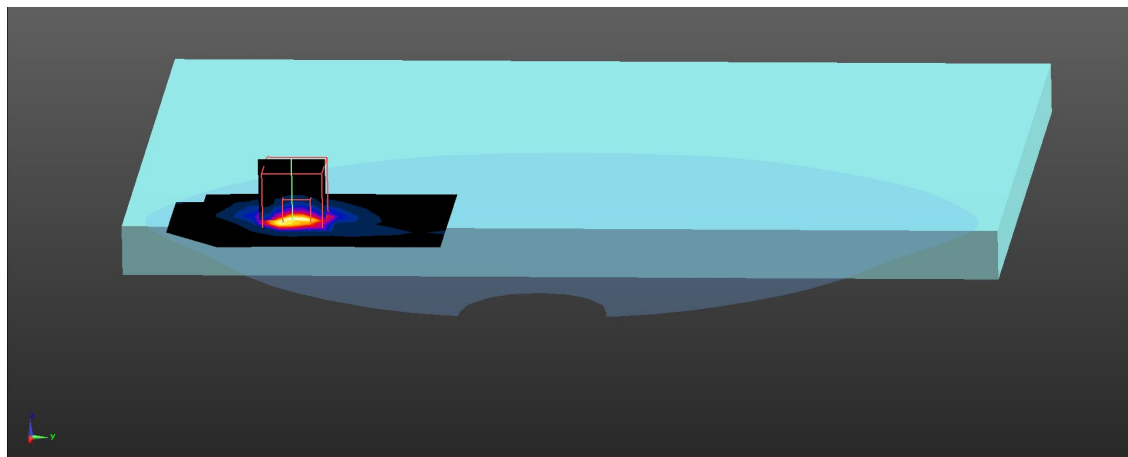
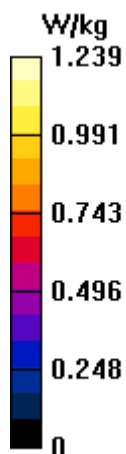
Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.221 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 59.2%

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



Test Laboratory: DEKRA

Date: 2025-01-07

31_WLAN6GHz_802.11be320-EHT0_CH31_Bottom_0mm_Ant Main

Communication System: UID 11026-AAB, WLAN; Frequency: 6105.000 MHz

Medium parameters used: $f = 6105.000$ MHz; Conductivity = 5.46 S/m; Permittivity = 35.9

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 (68.0 mm x 119.0 mm): Measurement grid: 8.5 mm x 8.5 mm

SAR (1 g) = 0.520 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

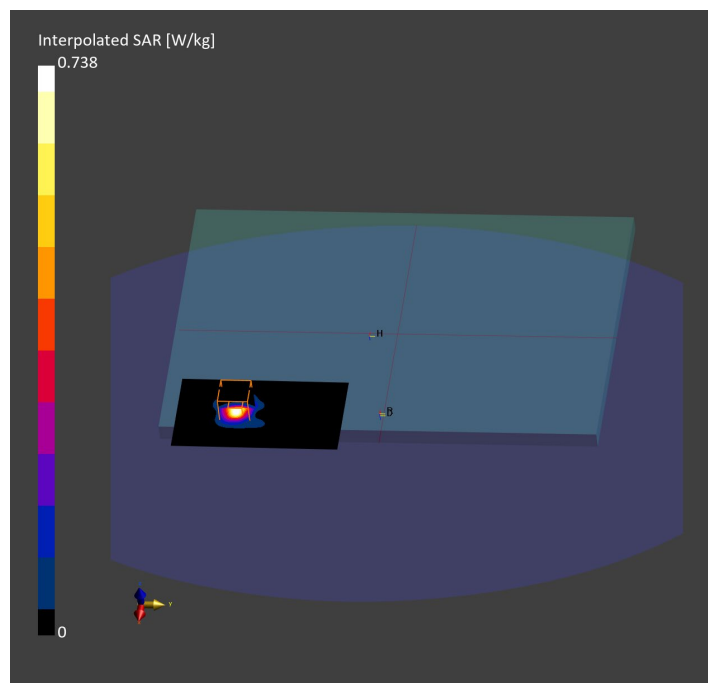
Power Drift = 0.14 dB

SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.168 W/kg

psAPD (4.0cm², sq) = 3.87 W/m²

Smallest distance from peaks to all points 3 dB below = 6.8

Ratio of SAR at M2 to SAR at M1 = 53.3



2_WLAN6GHz_802.11be320-EHT0_CH31_Bottom_2mm_ANT Main

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
N25H5	314.0 x 217.0 x 12.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom, 2.00	U-NII-5	WLAN, 11026-AAA	6105.0, 31	1.0

Hardware Setup

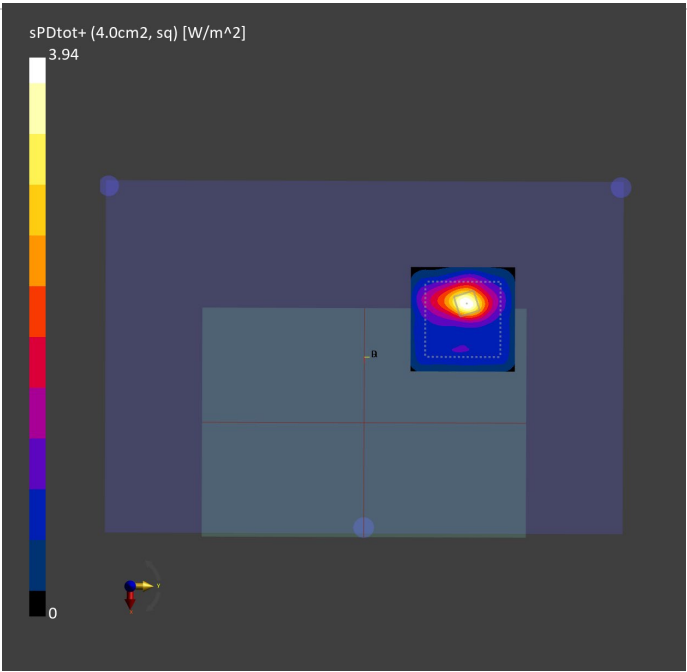
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1068	Air	EUmmWV4 - SN9546_F1-55GHz, 2024-04-18	DAE4 Sn1651, 2024-02-15

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	Y

Measurement Results

	5G Scan
Date	2025-01-08
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	3.45
psPDtot+ [W/m²]	3.94
psPDmod+ [W/m²]	4.31
E _{max} [V/m]	57.1
Power Drift [dB]	0.14



SAR Measurement Variability

Test Laboratory: DEKRA

Date: 2025/01/06

5_WLAN2.4GHz_802.11b-1M_CH1_Bottom_0mm_ANT Aux_Verify

DUT: Notebook Computer; Type: N25H5

Communication System: UID 0, WLAN 2.4G; Frequency: 2412 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.72$ S/m; $\epsilon_r = 39.27$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.39, 8.11, 6.76) @ 2412 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with right 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) = 1.77 W/kg

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

Reference Value = 33.66 V/m; Power Drift = -0.12 dB

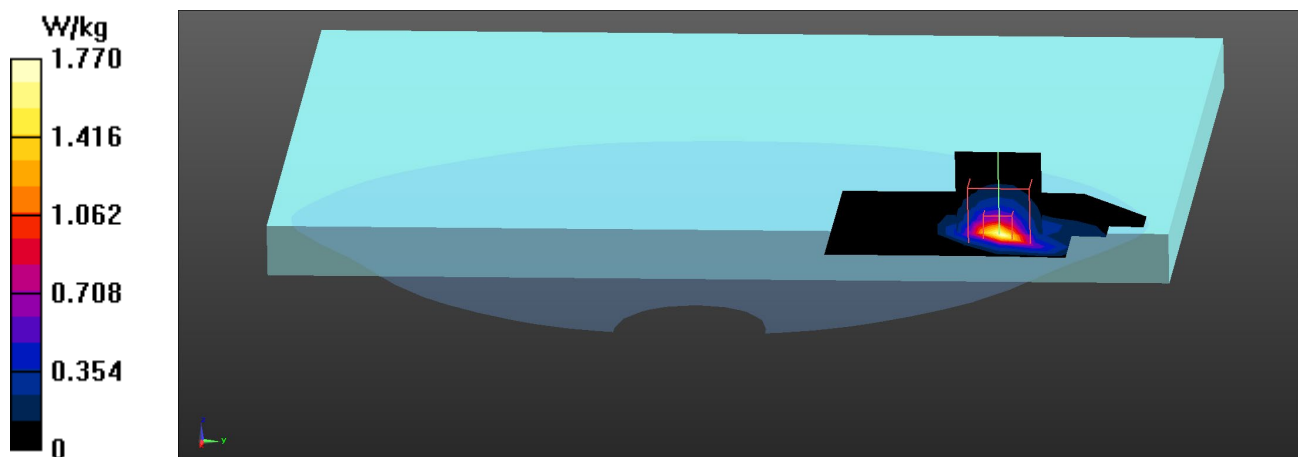
Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.395 W/kg

Smallest distance from peaks to all points 3 dB below = 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 46.4%

Maximum value of SAR (measured) = 1.75 W/kg



Test Laboratory: DEKRA

Date: 2025/01/06

28_WLAN5GHz_802.11ac80-VHT0_CH58_Bottom_0mm_ANT Aux_Verify**DUT: Notebook Computer; Type: N25H5**

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

Communication System PAR: 0 dB

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.82$ S/m; $\epsilon_r = 36.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(4.53, 5.75, 4.8) @ 5290 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with right table; Type: SAM;
- Measurement SW: DASYS2, Version 52.10 (4);

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

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

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

Reference Value = 1.644 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 0.977 W/kg; SAR(10 g) = 0.321 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

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

Maximum value of SAR (measured) = 2.31 W/kg

