

Test Laboratory: BTL Inc.

Date: 2025/3/10

W04_802.11b_CH11_Back of Keyboard_0mm_Ant Aux

DUT: Laptop;

Communication System: UID 10415 - AAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle);

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.414$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(7.25, 7.07, 7.57) @ 2462 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1717; Calibrated: 2024/4/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x19x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 2.13 W/kg

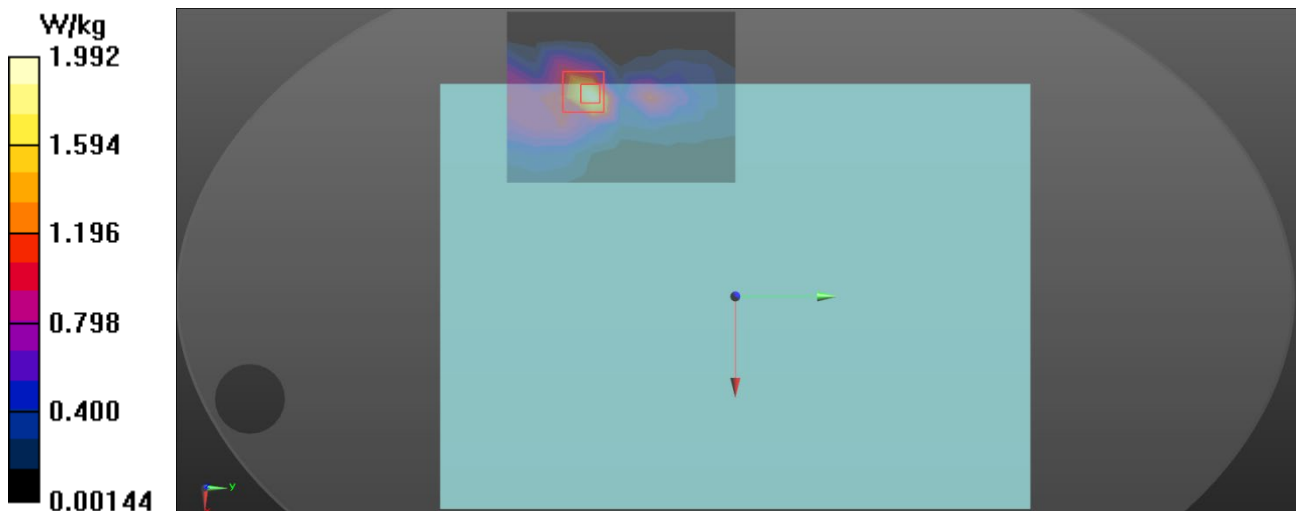
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.81 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.537 W/kg

Maximum value of SAR (measured) = 1.99 W/kg



Test Laboratory: BTL Inc.

Date: 2025/3/10

W11_802.11b_CH11_Back of Keyboard_0mm_Ant Main

DUT: Laptop;

Communication System: UID 10415 - AAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle);

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 38.414$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.8 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(7.25, 7.07, 7.57) @ 2462 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1717; Calibrated: 2024/4/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x19x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.56 W/kg

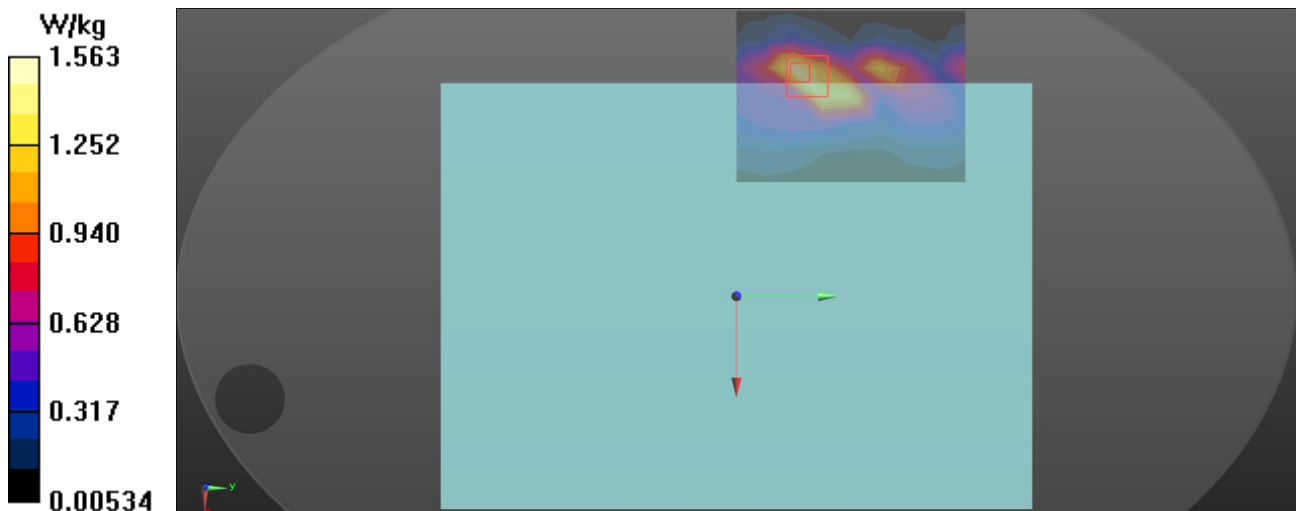
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.503 W/kg

Maximum value of SAR (measured) = 1.83 W/kg



Test Laboratory: BTL Inc.

Date: 2025/3/10

B03_BT DH5_CH39_Back of Keyboard_0mm_Ant Main

DUT: Laptop;

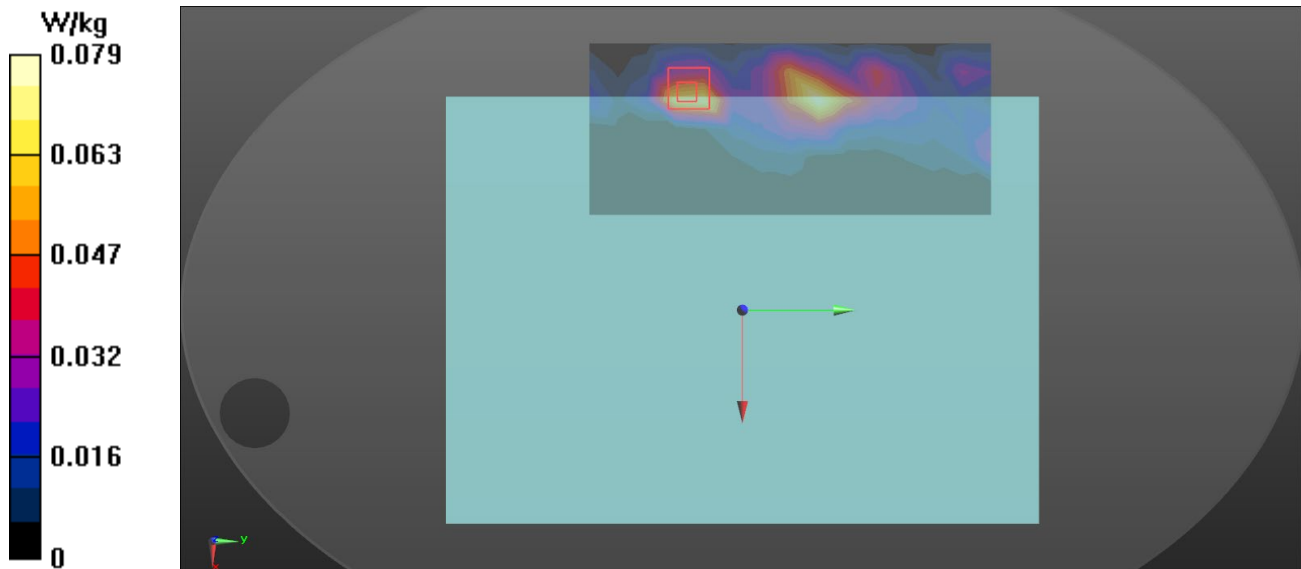
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.857$ S/m; $\epsilon_r = 38.626$; $\rho = 1000$ kg/m³
Ambient Temperature : 22.8 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(7.25, 7.07, 7.57) @ 2441 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1717; Calibrated: 2024/4/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x19x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.0788 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.106 W/kg
SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.025 W/kg
Maximum value of SAR (measured) = 0.0876 W/kg



Test Laboratory: BTL Inc.

Date: 2025/3/10

B07_BLE(500K)_CH19_Back of Keyboard_0mm_Ant Main

DUT: Laptop;

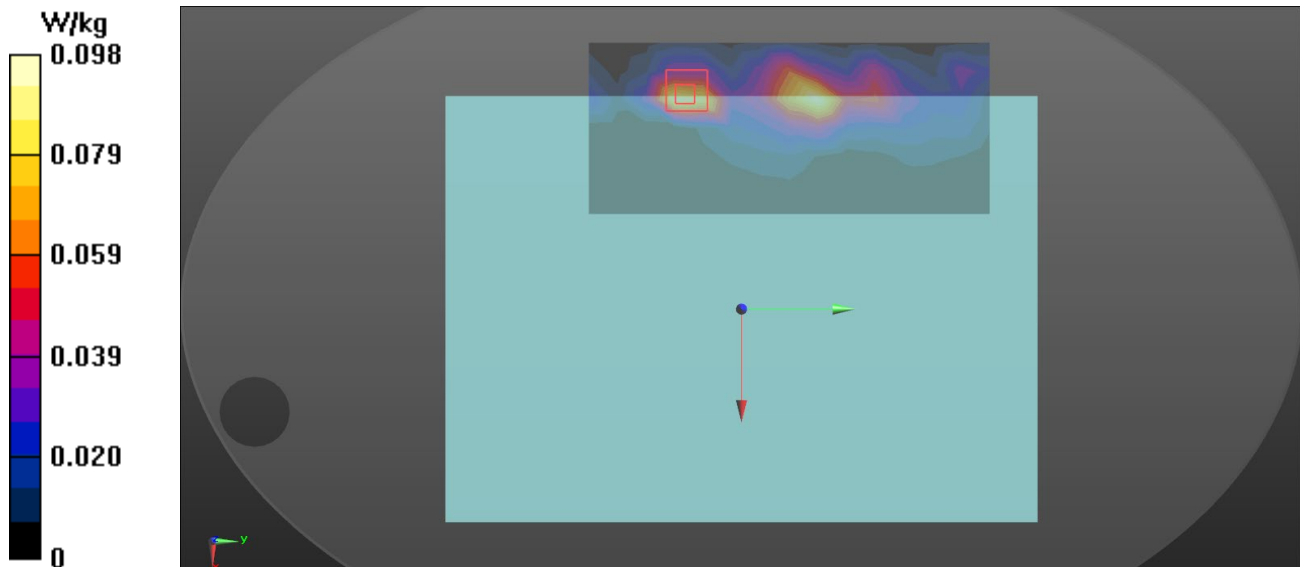
Communication System: UID 0, Bluetooth (0); Frequency: 2440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2440$ MHz; $\sigma = 1.856$ S/m; $\epsilon_r = 38.633$; $\rho = 1000$ kg/m³
Ambient Temperature : 22.8 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(7.25, 7.07, 7.57) @ 2440 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1717; Calibrated: 2024/4/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x19x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.0984 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.134 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.032 W/kg
Maximum value of SAR (measured) = 0.106 W/kg



Test Laboratory: BTL Inc.

Date: 2025/4/24

W15_802.11a_CH40_Back of Keyboard_0mm_Ant Aux

DUT: Laptop;

Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 4.562 \text{ S/m}$; $\epsilon_r = 36.744$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.8 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(5.82, 5.67, 6.08) @ 5200 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (11x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.52 W/kg

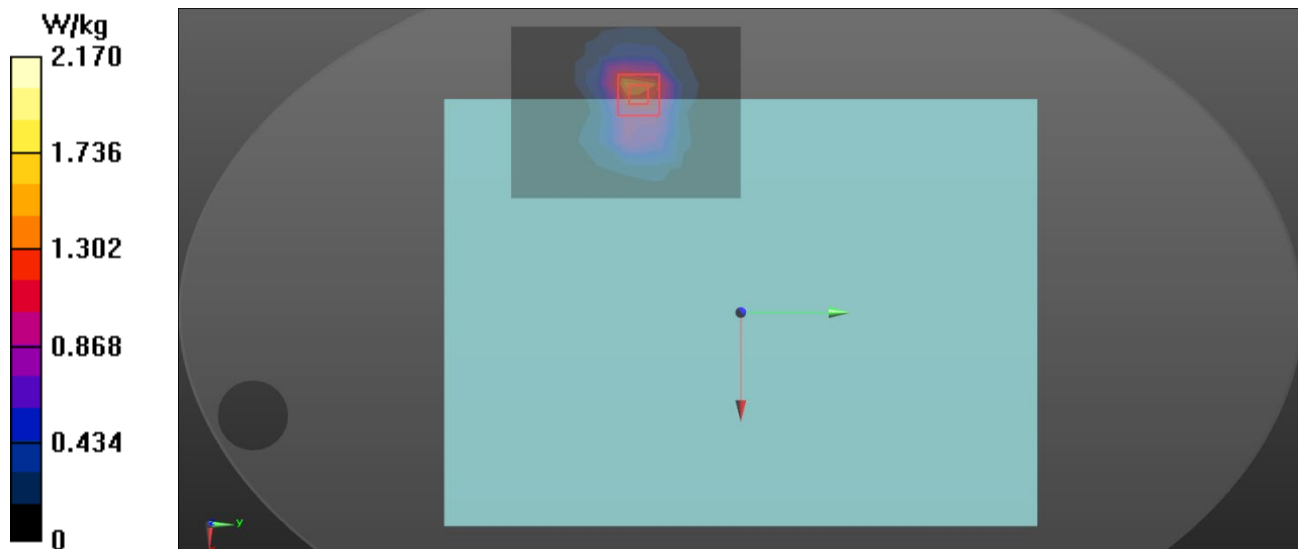
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 0.942 W/kg; SAR(10 g) = 0.340 W/kg

Maximum value of SAR (measured) = 2.17 W/kg



Test Laboratory: BTL Inc.

Date: 2025/4/24

W20_802.11a_CH48_Back of Keyboard_0mm_Ant Main

DUT: Laptop;

Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 4.626 \text{ S/m}$; $\epsilon_r = 36.809$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.1 \text{ }^\circ\text{C}$; Liquid Temperature : $22.8 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(5.82, 5.67, 6.08) @ 5240 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (11x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.79 W/kg

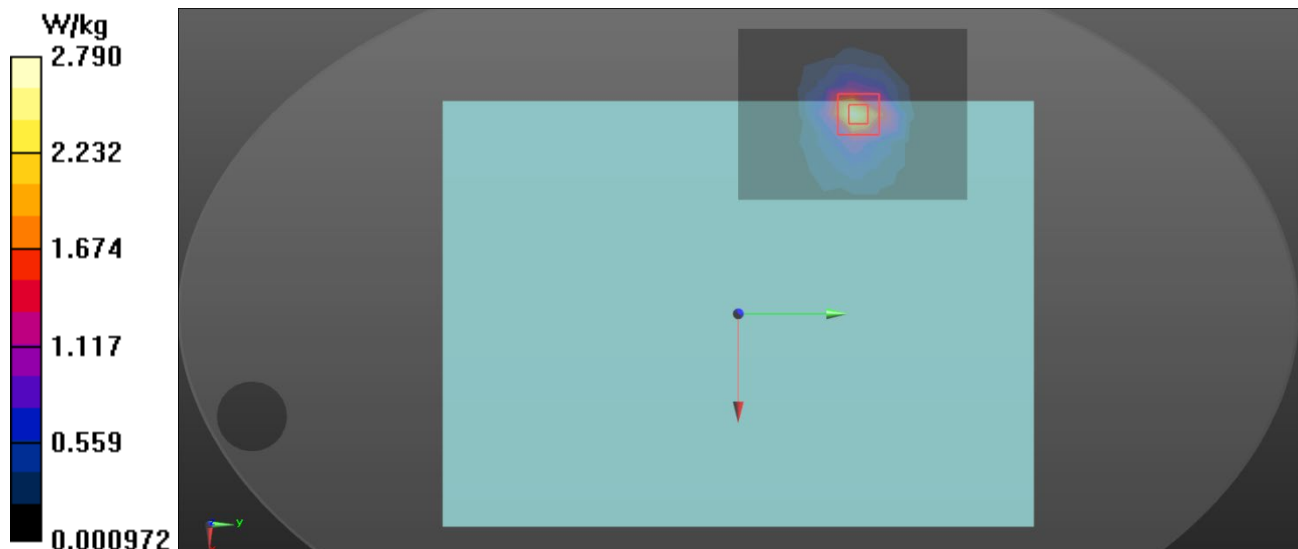
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.05 W/kg

SAR(1 g) = 1.18 W/kg ; SAR(10 g) = 0.421 W/kg

Maximum value of SAR (measured) = 2.91 W/kg



Test Laboratory: BTL Inc.

Date: 2025/4/24

W25_802.11a_CH60_Back of Keyboard_0mm_Ant Aux

DUT: Laptop;

Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5300$ MHz; $\sigma = 4.717$ S/m; $\epsilon_r = 36.648$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.8 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(5.82, 5.67, 6.08) @ 5300 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (11x14x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.60 W/kg

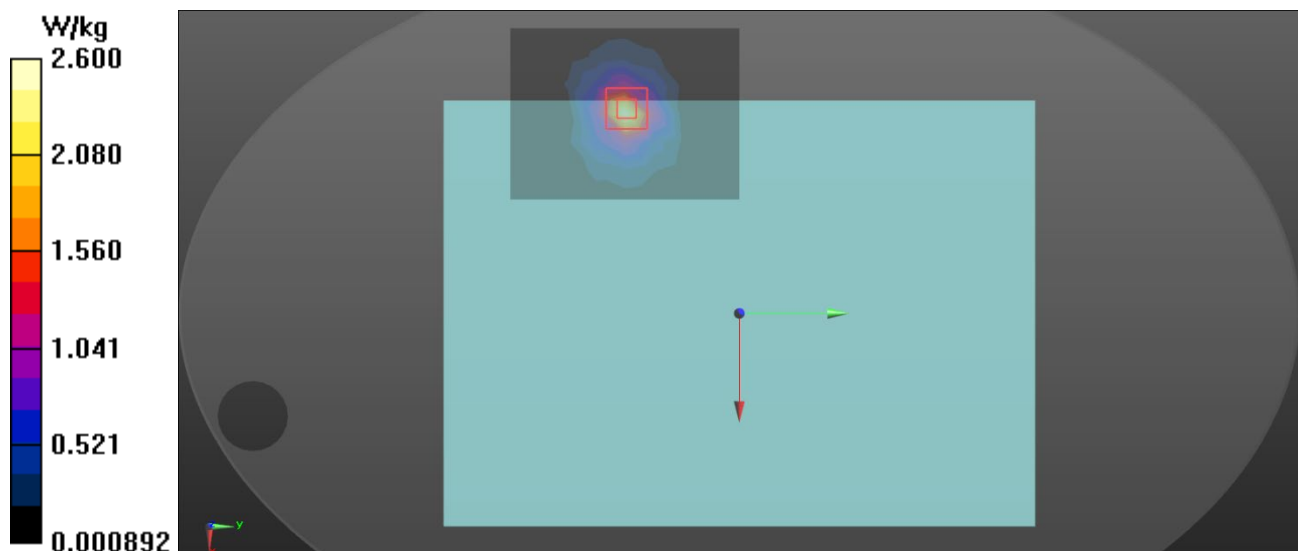
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.3940 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.77 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.384 W/kg

Maximum value of SAR (measured) = 2.59 W/kg



Test Laboratory: BTL Inc.

Date: 2025/4/24

W32_802.11a_CH64_Back of Keyboard_0mm_Ant Main

DUT: Laptop;

Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 4.75 \text{ S/m}$; $\epsilon_r = 36.736$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.1 \text{ }^\circ\text{C}$; Liquid Temperature : $22.8 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(5.82, 5.67, 6.08) @ 5320 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (11x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

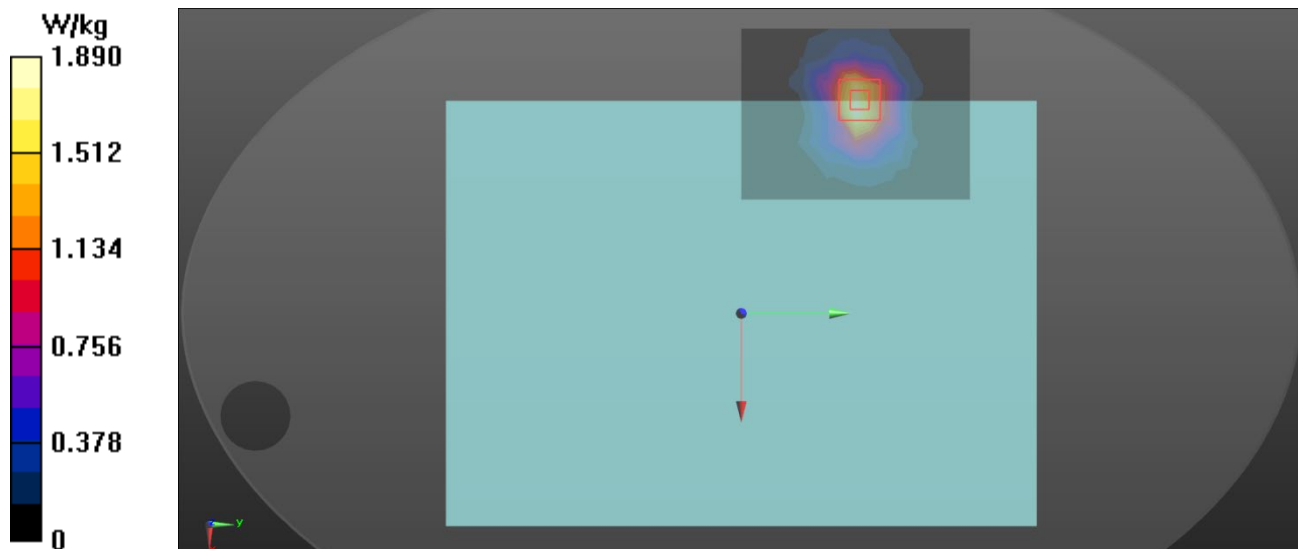
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.08 W/kg

SAR(1 g) = 1.17 W/kg ; SAR(10 g) = 0.416 W/kg

Maximum value of SAR (measured) = 2.84 W/kg



Test Laboratory: BTL Inc.

Date: 2025/4/24

W36_802.11a_CH100_Back of Keyboard_0mm_Ant Aux

DUT: Laptop;

Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.873$ S/m; $\epsilon_r = 36.095$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.8 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(5.15, 5.02, 5.38) @ 5500 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (11x14x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.70 W/kg

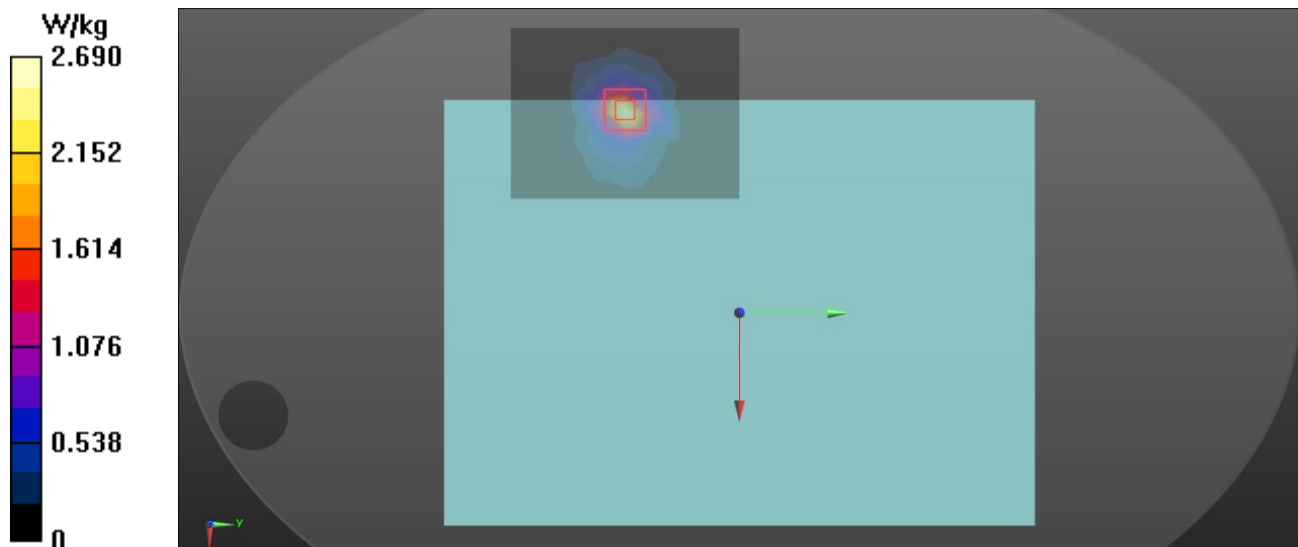
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.97 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 2.69 W/kg



Test Laboratory: BTL Inc.

Date: 2025/4/24

W41_802.11a_CH144_Back of Keyboard_0mm_Ant Main

DUT: Laptop;

Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5720 \text{ MHz}$; $\sigma = 5.056 \text{ S/m}$; $\epsilon_r = 35.776$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.8 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(5.17, 5.04, 5.4) @ 5720 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (11x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.99 W/kg

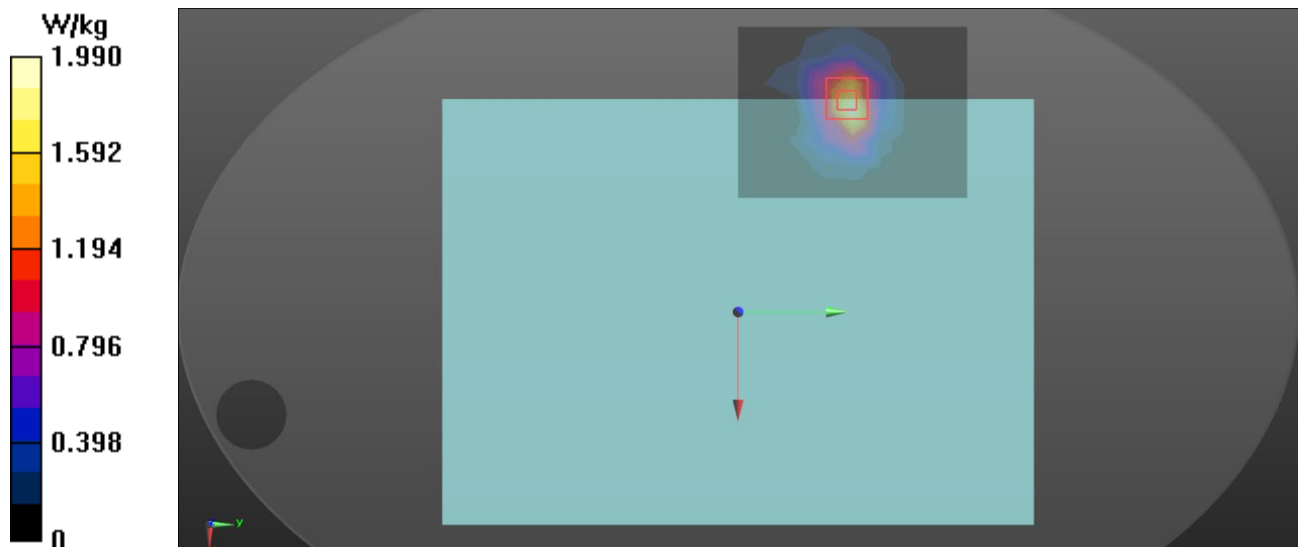
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.84 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.375 W/kg

Maximum value of SAR (measured) = 2.83 W/kg



Test Laboratory: BTL Inc.

Date: 2025/4/24

W47_802.11a_CH157_Back of Keyboard_0mm_Ant Aux

DUT: Laptop;

Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5785 \text{ MHz}$; $\sigma = 5.153 \text{ S/m}$; $\epsilon_r = 35.763$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.8 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(5.17, 5.04, 5.4) @ 5785 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (11x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

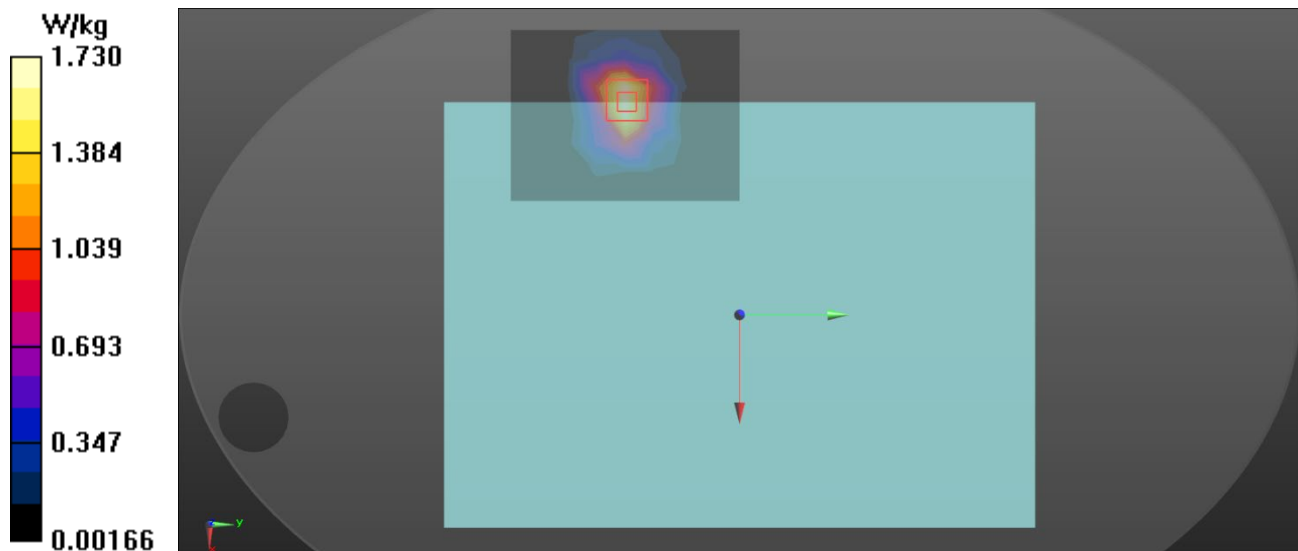
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.2850 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 5.36 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.370 W/kg

Maximum value of SAR (measured) = 2.64 W/kg



Test Laboratory: BTL Inc.

Date: 2025/4/24

W52_802.11a_CH149_Back of Keyboard_0mm_Ant Main

DUT: Laptop;

Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.101$ S/m; $\epsilon_r = 35.737$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.8 °C

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(5.17, 5.04, 5.4) @ 5745 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (11x14x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.43 W/kg

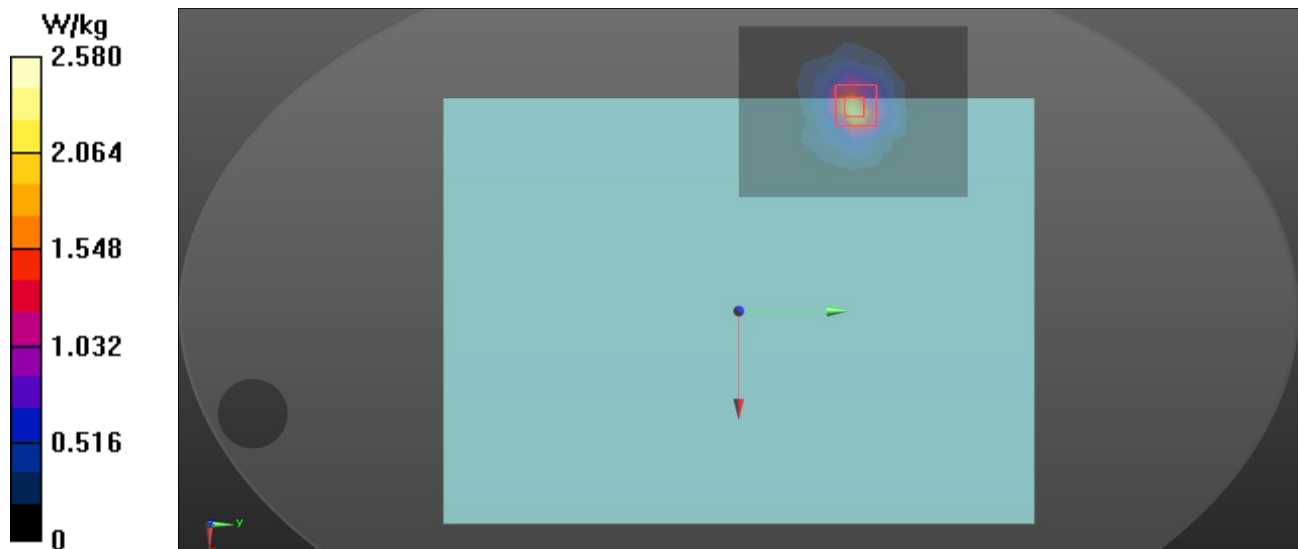
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.17 W/kg

SAR(1 g) = 1.00 W/kg; SAR(10 g) = 0.339 W/kg

Maximum value of SAR (measured) = 2.58 W/kg



Test Laboratory: BTL Inc.

Date: 2025/4/24

W57_802.11ac VHT80_CH171_Back of Keyboard_0mm_Ant Aux

DUT: Laptop;

Communication System: UID 10544 - AAB, IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle); Frequency: 5855 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5855 \text{ MHz}$; $\sigma = 5.166 \text{ S/m}$; $\epsilon_r = 35.643$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.1 \text{ }^\circ\text{C}$; Liquid Temperature : $22.8 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(5.21, 5.07, 5.44) @ 5855 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (11x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.44 W/kg

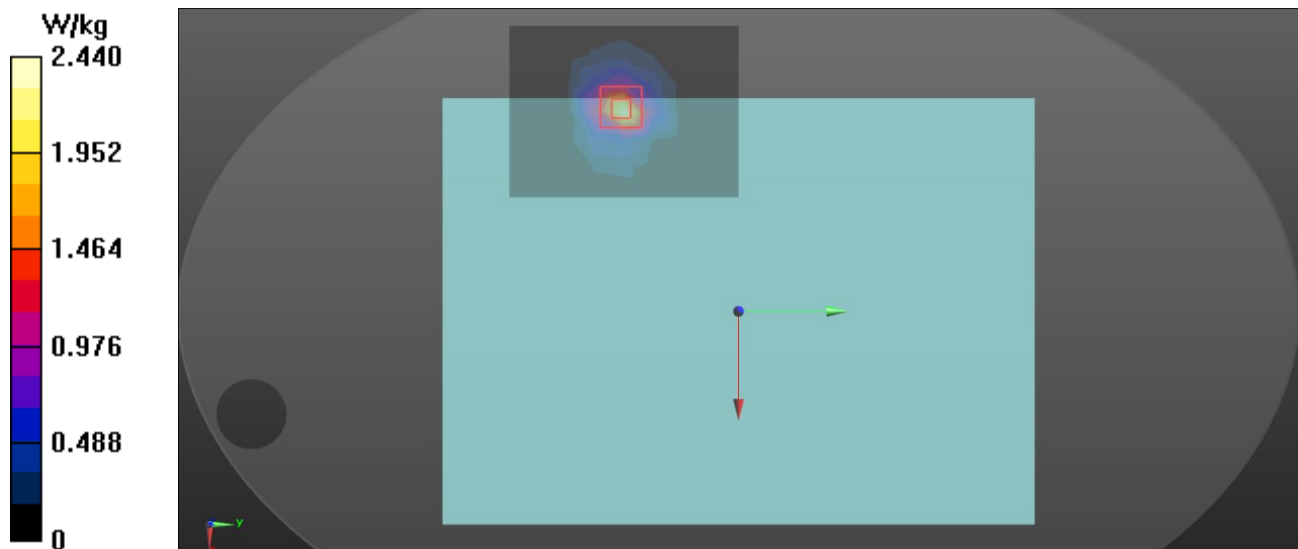
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.8890 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.06 W/kg

SAR(1 g) = 0.945 W/kg ; SAR(10 g) = 0.324 W/kg

Maximum value of SAR (measured) = 2.49 W/kg



Test Laboratory: BTL Inc.

Date: 2025/4/24

W60_802.11ac VHT80_CH171_Back of Keyboard_0mm_Ant Main

DUT: Laptop;

Communication System: UID 10544 - AAB, IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle); Frequency: 5855 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5855 \text{ MHz}$; $\sigma = 5.166 \text{ S/m}$; $\epsilon_r = 35.643$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.1 \text{ }^\circ\text{C}$; Liquid Temperature : $22.8 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7693; ConvF(5.21, 5.07, 5.44) @ 5855 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (11x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.66 W/kg

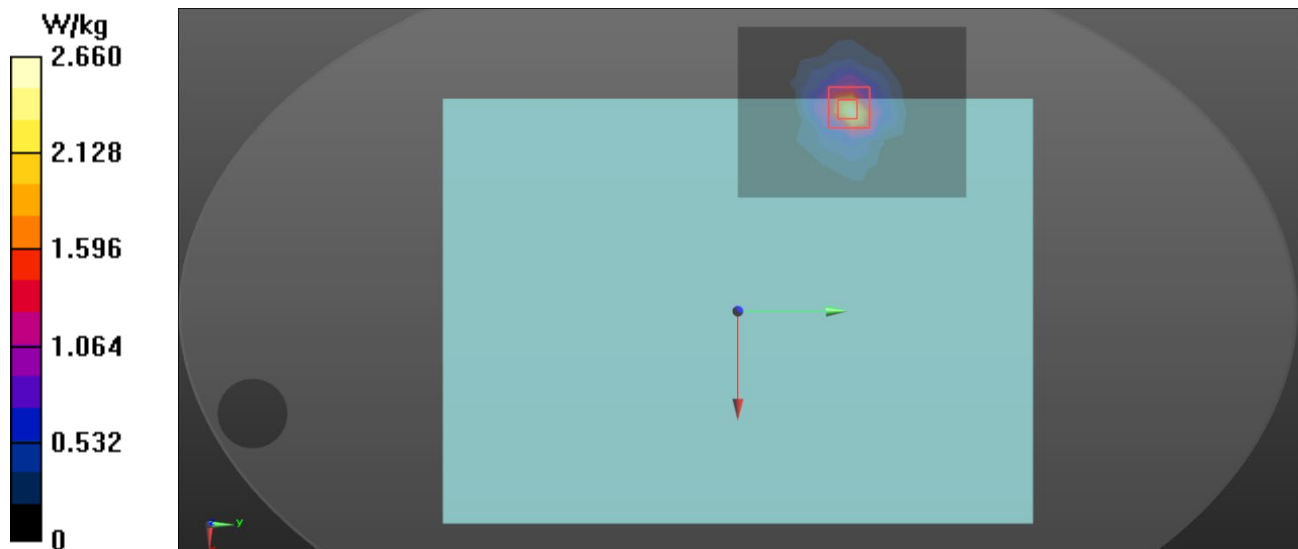
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.79 W/kg

SAR(1 g) = 1.08 W/kg ; SAR(10 g) = 0.368 W/kg

Maximum value of SAR (measured) = 2.79 W/kg



Measurement Report for W62_802.11ax HE160_CH47_Back of Keyboard_0mm_Ant Aux

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	310.0 x 224.0 x 15.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL Head Simulating Liquid	BACK, 0.00	U-NII-5	WLAN, AAC10755-	6185.000,47	5.6	5.77	34.5

Hardware Setup

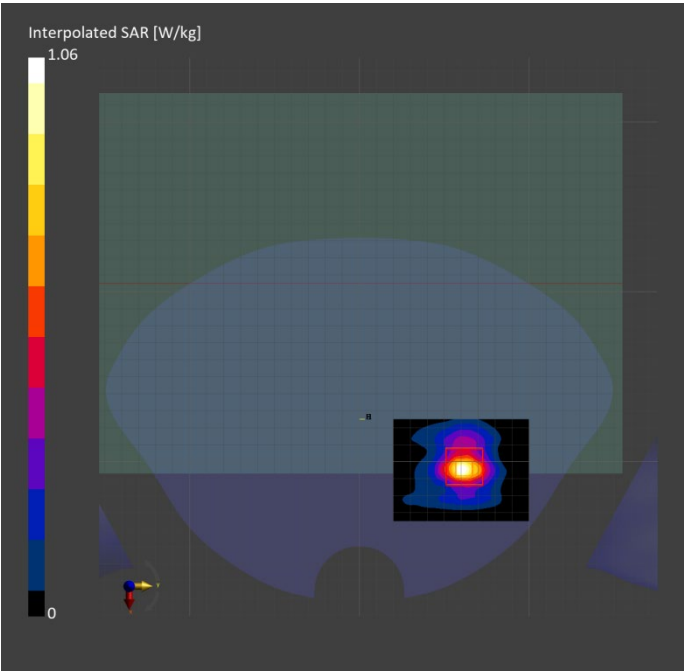
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2081	HBBL-600-10000, Charge:0122,--	EX3DV4 - SN7693, 2024-11-20	DAE4 Sn1390, 2024-11-14

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	1.4	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-04-18	2025-04-18
psSAR1g [W/kg]	0.250	0.263
psSAR10g [W/kg]	0.080	0.088
Power Drift [dB]	-0.07	0.19
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.1
Dist 3dB Peak [mm]		8.7



Measurement Report for W69_802.11ax HE160_CH79_Back of Keyboard_0mm_Ant Main

Device under Test Properties

Model, Manufacturer Device,	Dimensions [mm] 310.0 x 224.0 x 15.0	IMEI	DUT Type Laptop
--------------------------------	---	------	--------------------

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL Head Simulating Liquid	BACK, 0.00	U-NII-5	WLAN, AAC10755-	6345.000,79	5.6	5.77	34.5

Hardware Setup

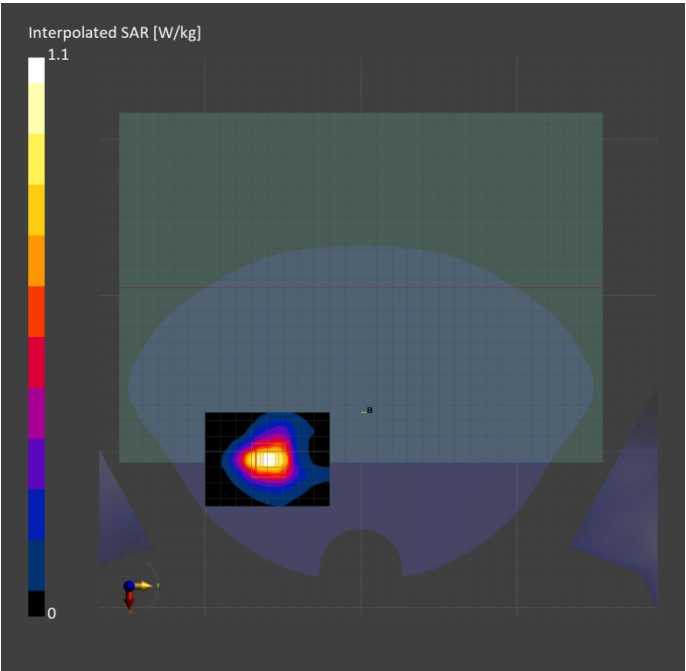
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2081	TSL, Measured Date HBBL-600-10000, Charge:0122,--	Probe, Calibration Date EX3DV4 - SN7693, 2024-11-20	DAE, Calibration Date DAE4 Sn1390, 2024-11-14
---	--	--	--

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	1.4	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-04-18	2025-04-18
psSAR1g [W/kg]	0.273	0.282
psSAR10g [W/kg]	0.099	0.102
Power Drift [dB]	-0.10	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		57.9
Dist 3dB Peak [mm]		9.0



Measurement Report for W72_802.11ax HE160_CH111_Back of Keyboard_0mm_Ant Aux
Device under Test Properties

Model, Manufacturer Device,	Dimensions [mm] 310.0 x 224.0 x 15.0	IMEI	DUT Type Laptop
--------------------------------	---	------	--------------------

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL Head Simulating Liquid	BACK, 0.00	U-NII-6	WLAN, AAC10755-	6505.000,111	5.6	6.08	34.0

Hardware Setup

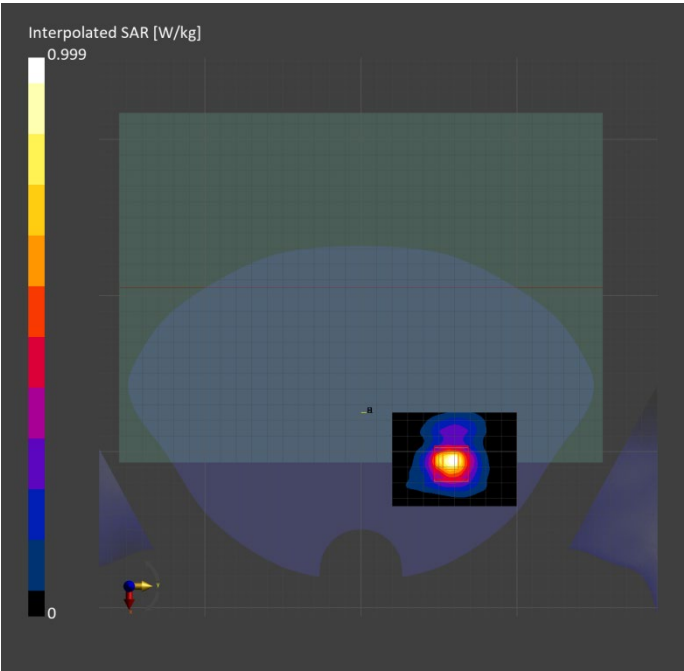
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2081	TSL, Measured Date HBBL-600-10000, Charge:0122,--	Probe, Calibration Date EX3DV4 - SN7693, 2024-11-20	DAE, Calibration Date DAE4 Sn1390, 2024-11-14
---	--	--	--

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	1.4	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-04-18	2025-04-18
psSAR1g [W/kg]	0.222	0.231
psSAR10g [W/kg]	0.072	0.074
Power Drift [dB]	-0.09	0.11
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.2
Dist 3dB Peak [mm]		8.3



Measurement Report for W75_802.11ax HE160_CH111_Back of Keyboard_0mm_Ant Main

Device under Test Properties

Model, Manufacturer Device,	Dimensions [mm] 310.0 x 224.0 x 15.0	IMEI	DUT Type Laptop
--------------------------------	---	------	--------------------

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL Head Simulating Liquid	BACK, 0.00	U-NII-6	WLAN, AAC10755-	6505.000,111	5.6	6.08	34.0

Hardware Setup

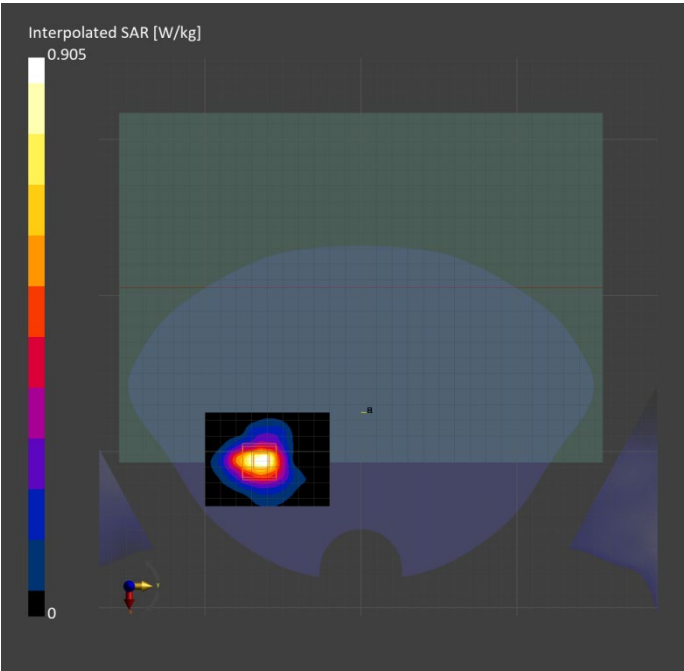
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2081	TSL, Measured Date HBBL-600-10000, Charge:0122,--	Probe, Calibration Date EX3DV4 - SN7693, 2024-11-20	DAE, Calibration Date DAE4 Sn1390, 2024-11-14
---	--	--	--

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	1.4	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-04-18	2025-04-18
psSAR1g [W/kg]	0.221	0.219
psSAR10g [W/kg]	0.077	0.078
Power Drift [dB]	-0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.3
Dist 3dB Peak [mm]		8.7



Measurement Report for W78_802.11ax HE160_CH175_Back of Keyboard_0mm_Ant Aux
Device under Test Properties

Model, Manufacturer Device,	Dimensions [mm] 310.0 x 224.0 x 15.0	IMEI	DUT Type Laptop
--------------------------------	---	------	--------------------

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL Head Simulating Liquid	BACK, 0.00	U-NII-7	WLAN, AAC10755-	6825.000, 175	5.6	6.39	33.6

Hardware Setup

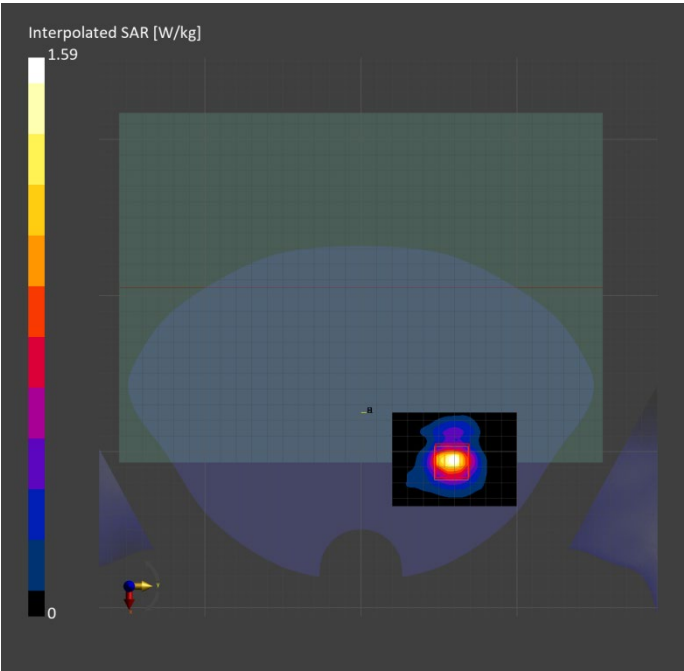
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2081	TSL, Measured Date HBBL-600-10000, Charge:0122,--	Probe, Calibration Date EX3DV4 - SN7693, 2024-11-20	DAE, Calibration Date DAE4 Sn1390, 2024-11-14
---	--	--	--

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	1.4	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-04-18	2025-04-18
psSAR1g [W/kg]	0.341	0.351
psSAR10g [W/kg]	0.108	0.113
Power Drift [dB]	-0.00	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		8.2



Measurement Report for W82_802.11ax HE160_CH143_Back of Keyboard_0mm_Ant Main

Device under Test Properties

Model, Manufacturer Device,	Dimensions [mm] 310.0 x 224.0 x 15.0	IMEI	DUT Type Laptop
--------------------------------	---	------	--------------------

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL Head Simulating Liquid	BACK, 0.00	U-NII-7	WLAN, AAC10755-	6665.000,143	5.6	6.39	33.6

Hardware Setup

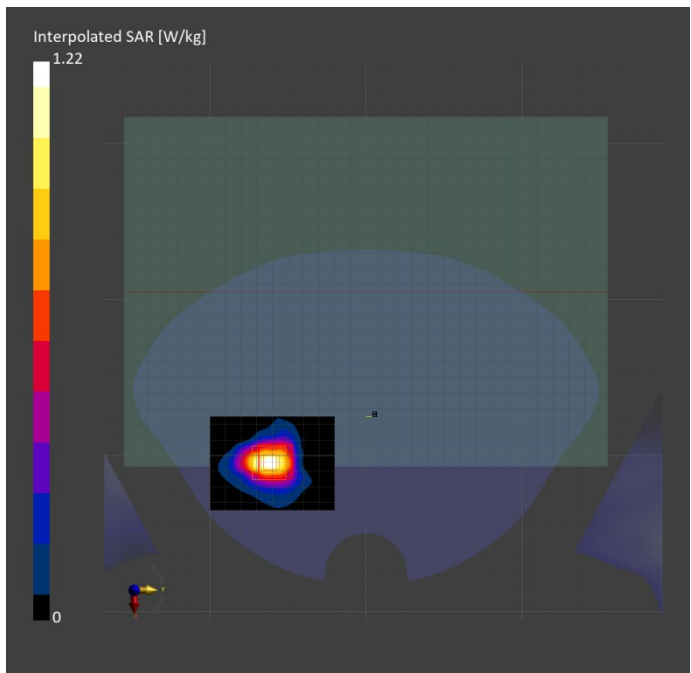
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2081	TSL, Measured Date HBBL-600-10000, Charge:0122,--	Probe, Calibration Date EX3DV4 - SN7693, 2024-11-20	DAE, Calibration Date DAE4 Sn1390, 2024-11-14
---	--	--	--

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	1.4	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-04-18	2025-04-18
psSAR1g [W/kg]	0.279	0.284
psSAR10g [W/kg]	0.101	0.099
Power Drift [dB]	-0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.2
Dist 3dB Peak [mm]		8.7



Measurement Report for W86_802.11ax HE160_CH207_Back of Keyboard_0mm_Ant Aux
Device under Test Properties

Model, Manufacturer Device,	Dimensions [mm] 310.0 x 224.0 x 15.0	IMEI	DUT Type Laptop
--------------------------------	---	------	--------------------

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL Head Simulating Liquid	BACK, 0.00	U-NII-8	WLAN, AAC10755-	6985.000,207	5.6	6.69	33.2

Hardware Setup

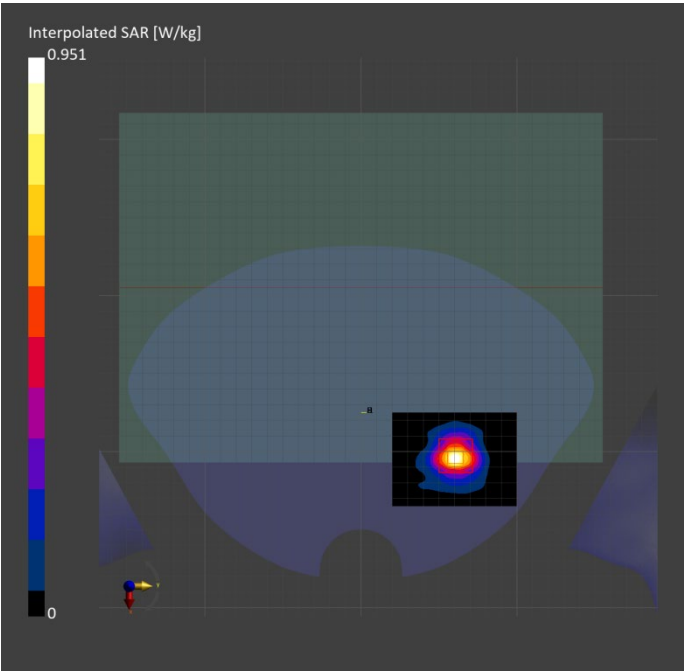
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2081	TSL, Measured Date HBBL-600-10000, Charge:0122,--	Probe, Calibration Date EX3DV4 - SN7693, 2024-11-20	DAE, Calibration Date DAE4 Sn1390, 2024-11-14
---	--	--	--

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	1.4	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-04-18	2025-04-18
psSAR1g [W/kg]	0.195	0.195
psSAR10g [W/kg]	0.062	0.060
Power Drift [dB]	-0.04	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.1
Dist 3dB Peak [mm]		7.6



Measurement Report for W89_802.11ax HE160_CH207_Back of Keyboard_0mm_Ant Main

Device under Test Properties

Model, Manufacturer Device,	Dimensions [mm] 310.0 x 224.0 x 15.0	IMEI	DUT Type Laptop
--------------------------------	---	------	--------------------

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL Head Simulating Liquid	BACK, 0.00	U-NII-8	WLAN, AAC10755-	6985.000,207	5.6	6.69	33.2

Hardware Setup

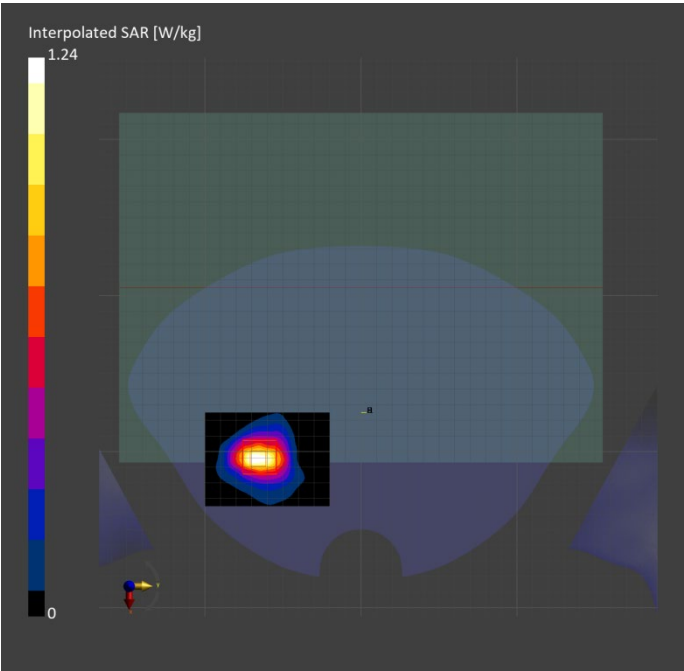
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2081	TSL, Measured Date HBBL-600-10000, Charge:0122,--	Probe, Calibration Date EX3DV4 - SN7693, 2024-11-20	DAE, Calibration Date DAE4 Sn1390, 2024-11-14
---	--	--	--

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	1.4	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-04-18	2025-04-18
psSAR1g [W/kg]	0.276	0.265
psSAR10g [W/kg]	0.097	0.093
Power Drift [dB]	-0.10	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.3
Dist 3dB Peak [mm]		8.5



Measurement Report for W78_802.11ax HE160_CH175_Back of Keyboard_2cm_Ant Aux

Device under Test Properties

Model, Manufacturer, Device	Dimensions [mm] 310.0 x 224.0 x 15.0	IMEI	DUT Type Laptop
-----------------------------	---	------	--------------------

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	BACK, 2.00	U-NII-7	WLAN, 10755-AAC	6825.0, 175	1.0

Hardware Setup

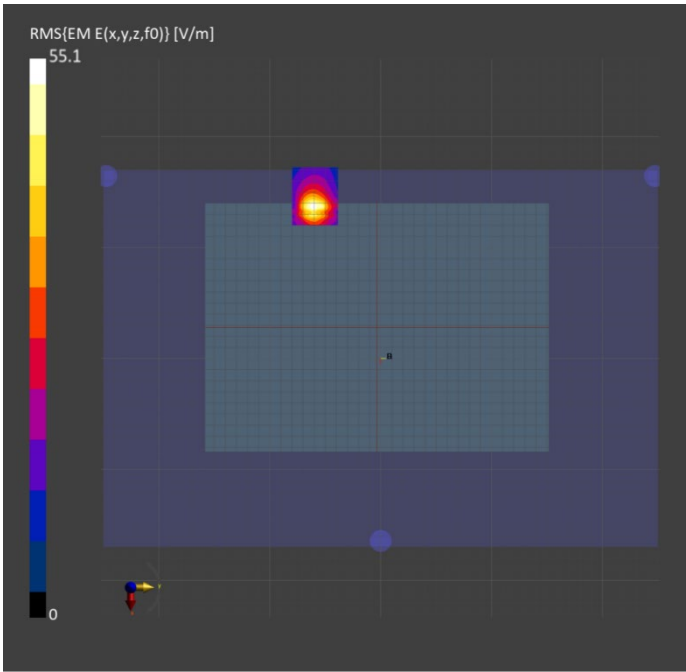
Phantom mmWave	Medium ---Air	Probe, Calibration Date EUmmWV4 - SN9503_F1-55GHz, 2024-11-11	DAE, Calibration Date DAE4 Sn1390, 2024-11-14
-------------------	------------------	--	--

Scan Setup

	5G Scan
Grid Extents [mm]	50.0 x 40.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2025-04-14
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	3.28
psPDtot+ [W/m²]	3.84
psPDmod+ [W/m²]	4.07
E _{max} [V/m]	55.1
Power Drift [dB]	-0.13



Measurement Report for W83_802.11ax HE160_CH143_Back of Keyboard_2cm_Ant Aux

Device under Test Properties

Model, Manufacturer, Device	Dimensions [mm] 310.0 x 224.0 x 15.0	IMEI	DUT Type Laptop
-----------------------------	---	------	--------------------

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	BACK, 0.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	1.0

Hardware Setup

Phantom mmWave- xxxx	Medium ---Air	Probe, Calibration Date EUmmWV4 - SN9503_F1-55GHz, 2024-11-11	DAE, Calibration Date DAE4 Sn1390, 2024-11-14
-------------------------	------------------	--	--

Scan Setup

	5G Scan
Grid Extents [mm]	70.0 x 50.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2025-04-14
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	2.94
psPDtot+ [W/m²]	3.80
psPDmod+ [W/m²]	4.09
E _{max} [V/m]	62.9
Power Drift [dB]	-0.16

