

Test Laboratory: BTL.Inc

Date: 2022/3/24

W02_802.11ac VHT40_CH10_Back of keyboard_0cm_ANT Main

DUT: Notebook;

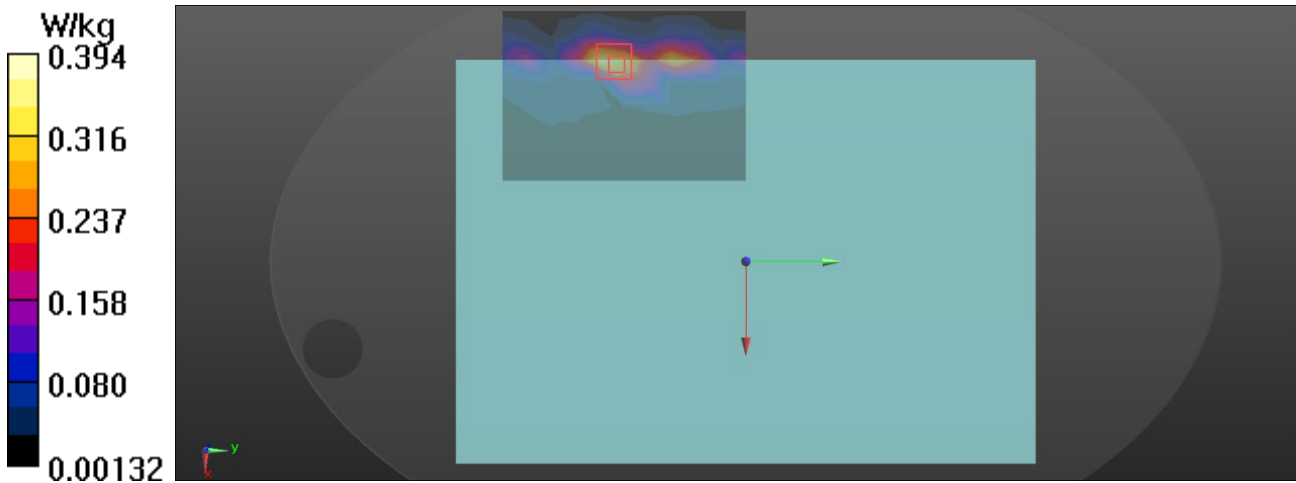
Communication System: UID 0, IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle);
Frequency: 2457 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2457$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 39.866$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(7.35, 7.35, 7.35) @ 2457 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.364 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) = 0.532 W/kg
SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.115 W/kg
Maximum value of SAR (measured) = 0.394 W/kg



Test Laboratory: BTL.Inc

Date: 2022/3/24

W06_802.11ac VHT40_CH10_Back of keyboard_0cm_ANT Aux

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle);

Frequency: 2457 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2457$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 39.866$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(7.35, 7.35, 7.35) @ 2457 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.306 W/kg

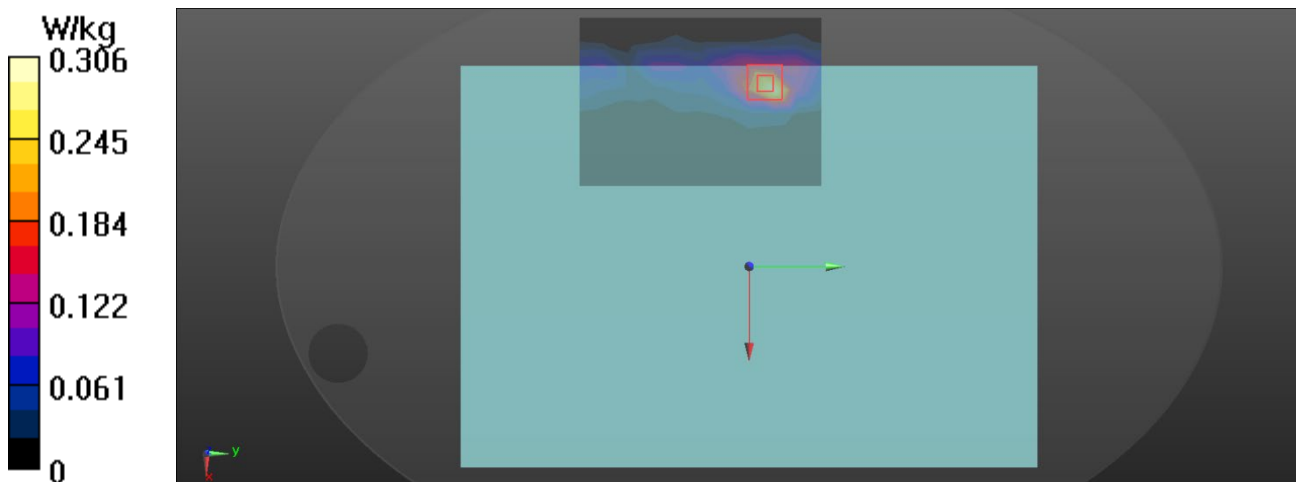
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 0.430 W/kg

SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.086 W/kg

Maximum value of SAR (measured) = 0.324 W/kg



Test Laboratory: BTL.Inc

Date: 2022/3/25

B05_BT DH5_CH39_Back of keyboard_0cm_ANT Aux

DUT: Notebook;

Communication System: UID 0, Bluetooth (0);

Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.802$ S/m; $\epsilon_r = 39.93$; $\rho = 1000$ kg/m³

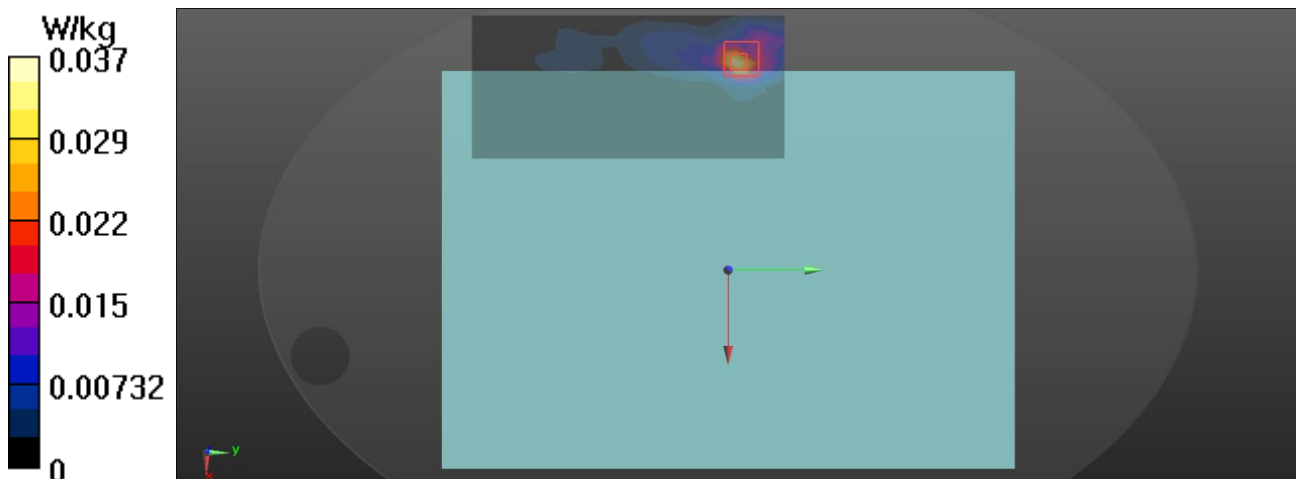
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(7.35, 7.35, 7.35) @ 2441 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.0366 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) = 0.0510 W/kg
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.009 W/kg
Maximum value of SAR (measured) = 0.0312 W/kg



Test Laboratory: BTL.Inc

Date: 2022/3/25

W12_802.11ac VHT80_CH42_Back of keyboard_0cm_ANT Main

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ac WIFI (80MHz) (0);

Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5210$ MHz; $\sigma = 4.789$ S/m; $\epsilon_r = 35.895$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(5.41, 5.41, 5.41) @ 5210 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (11x20x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.356 W/kg

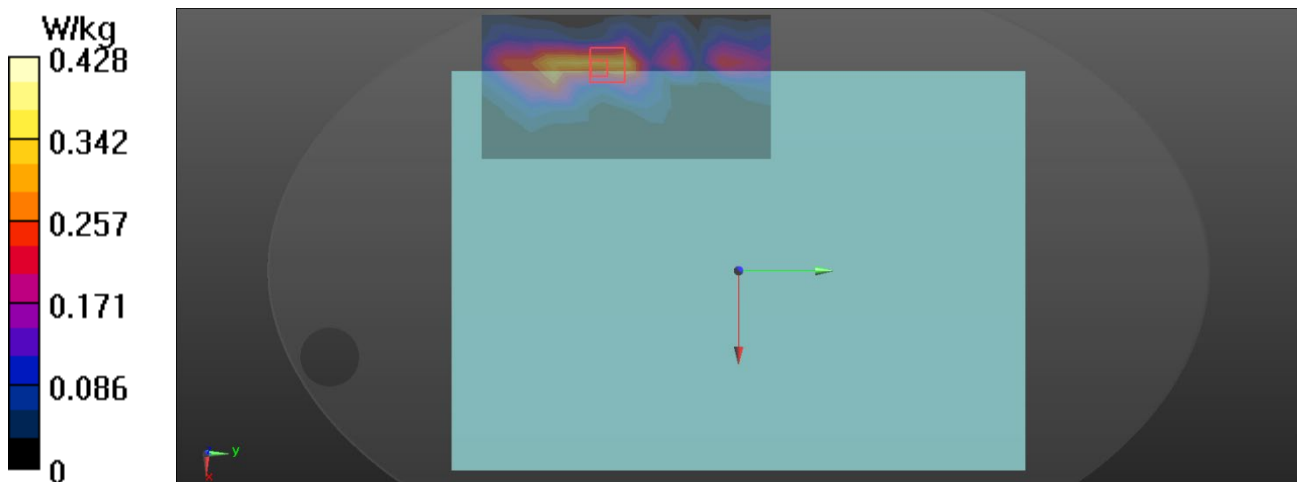
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 0.743 W/kg

SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.067 W/kg

Maximum value of SAR (measured) = 0.428 W/kg



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Date: 2022/3/25

W17_802.11ac VHT80_CH42_Back of keyboard_0cm_ANT Aux

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ac WIFI (80MHz) (0);

Frequency: 5210 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5210$ MHz; $\sigma = 4.789$ S/m; $\epsilon_r = 35.895$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(5.41, 5.41, 5.41) @ 5210 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (11x20x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.737 W/kg

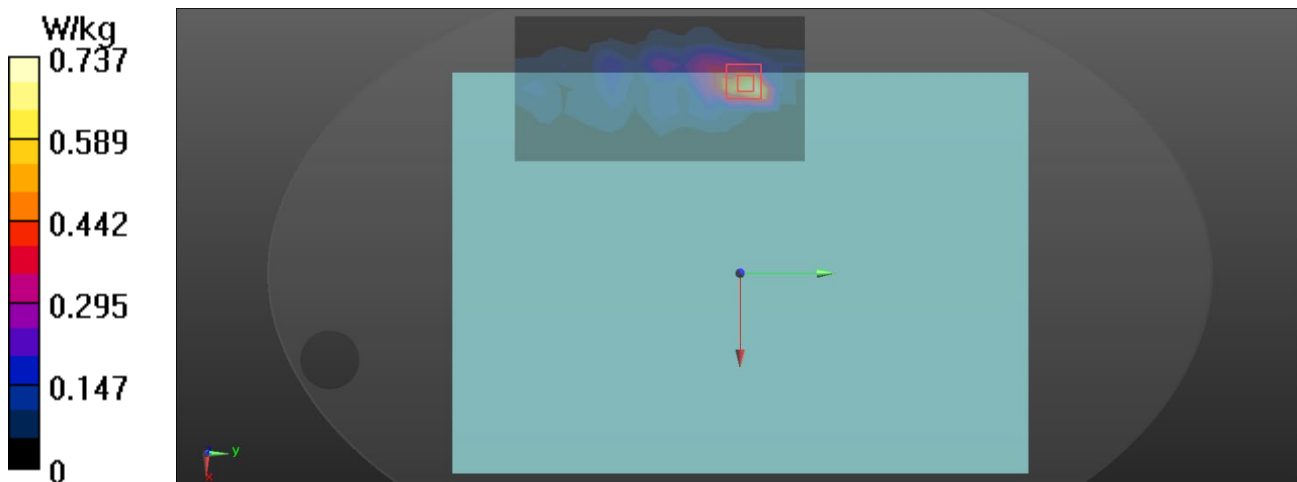
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.995 W/kg



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Date: 2022/3/25

W22_802.11ac VHT80_CH58_Back of keyboard_0cm_ANT Main

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ac WIFI (80MHz) (0);

Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.888$ S/m; $\epsilon_r = 35.693$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(5.2, 5.2, 5.2) @ 5290 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (11x20x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.453 W/kg

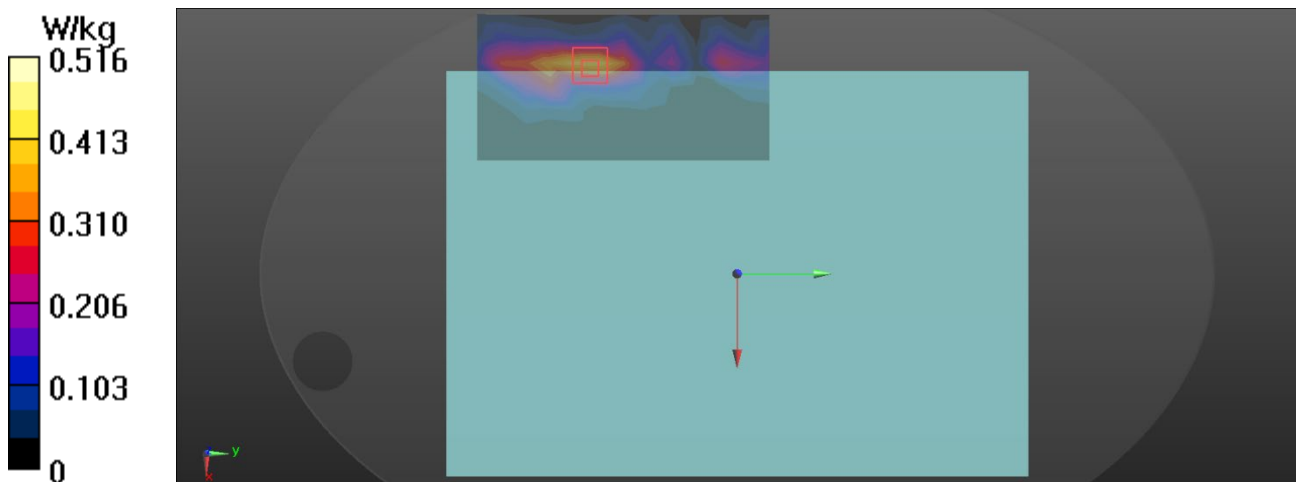
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.516 W/kg



Test Laboratory: BTL.Inc

Date: 2022/3/25

W27_802.11ac VHT80_CH58_Back of keyboard_0cm_ANT Aux

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ac WIFI (80MHz) (0);

Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.888$ S/m; $\epsilon_r = 35.693$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(5.2, 5.2, 5.2) @ 5290 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (11x20x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.613 W/kg

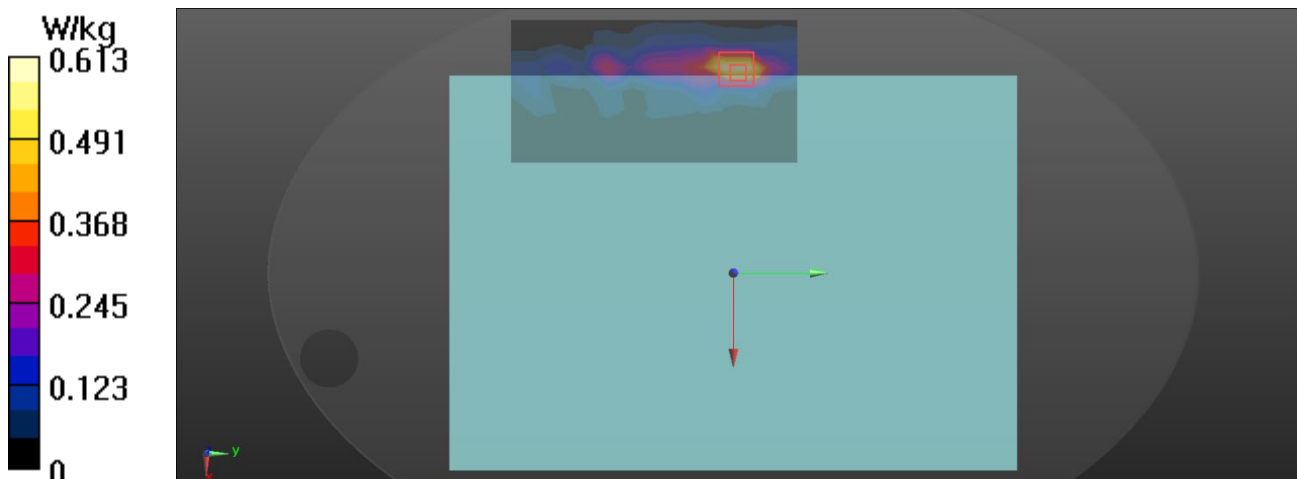
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 2.41 W/kg

SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.806 W/kg



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Date: 2022/3/25

W32_802.11ac VHT80_CH106_Back of keyboard_0cm_ANT Main

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ac WIFI (80MHz) (0);

Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5530$ MHz; $\sigma = 5.172$ S/m; $\epsilon_r = 35.088$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(4.81, 4.81, 4.81) @ 5530 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (11x20x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.291 W/kg

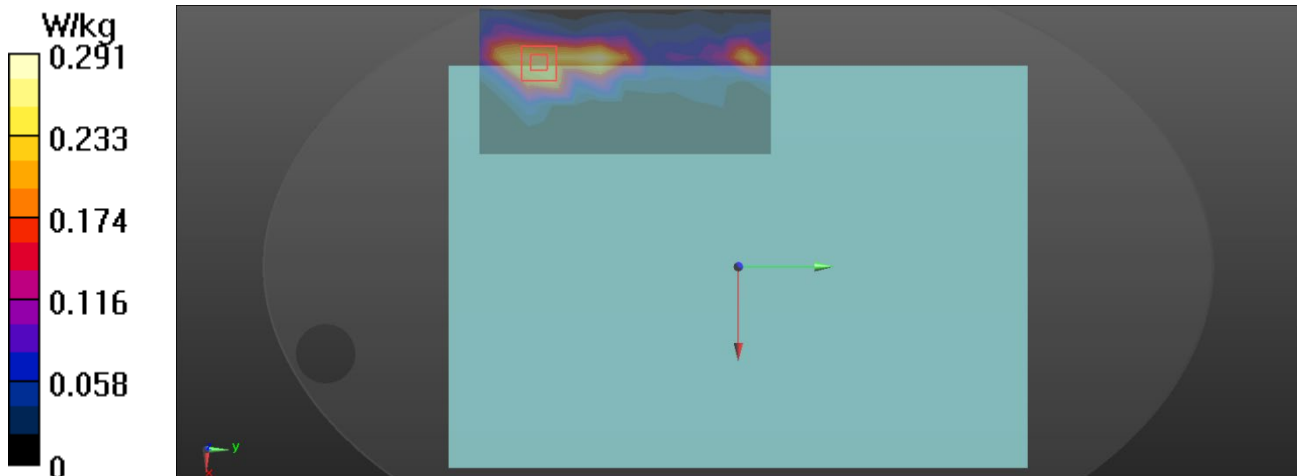
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 0.669 W/kg

SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.059 W/kg

Maximum value of SAR (measured) = 0.331 W/kg



Test Laboratory: BTL.Inc

Date: 2022/3/25

W36_802.11ac VHT80_CH106_Back of keyboard_0cm_ANT Aux

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ac WIFI (80MHz) (0);

Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5530$ MHz; $\sigma = 5.172$ S/m; $\epsilon_r = 35.088$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(4.81, 4.81, 4.81) @ 5530 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (11x20x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.01 W/kg

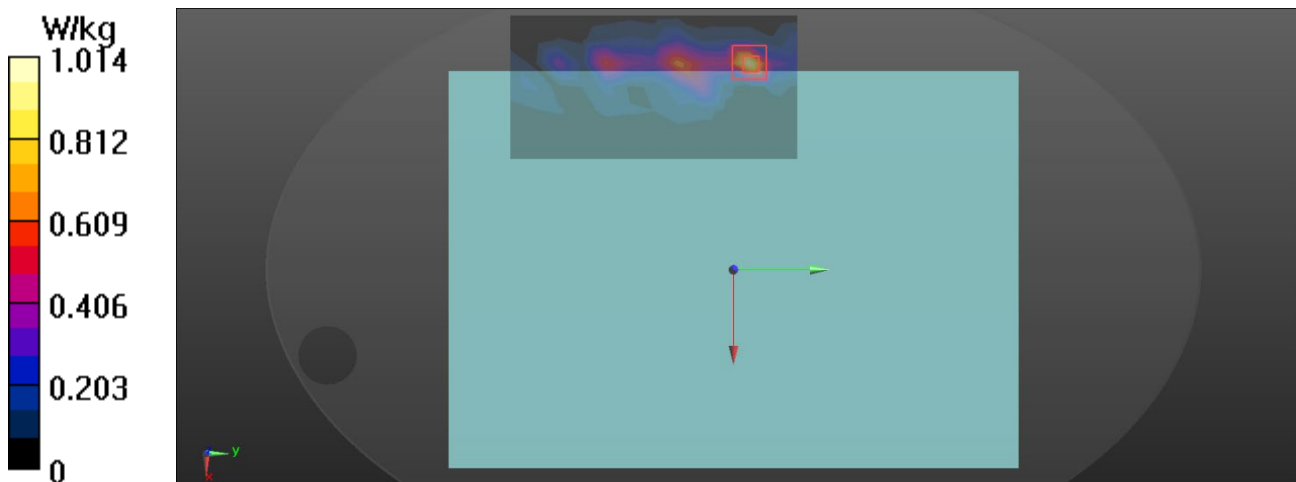
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

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

Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.942 W/kg



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Date: 2022/3/25

W42_802.11ac VHT80_CH155_Back of keyboard_0cm_ANT Main

DUT: Notebook;

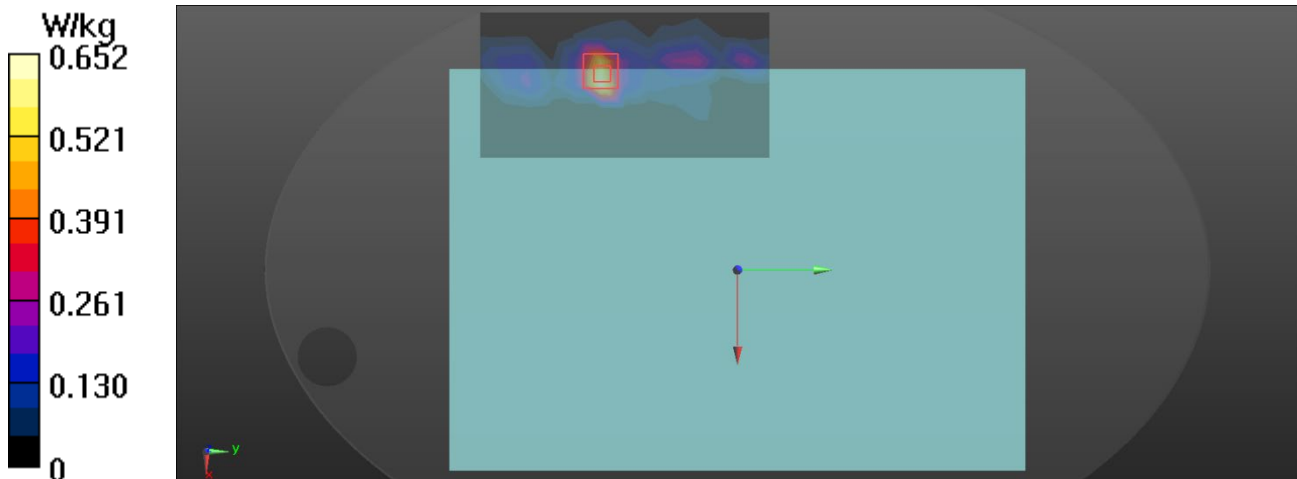
Communication System: UID 0, IEEE 802.11ac WIFI (80MHz) (0);
Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5775$ MHz; $\sigma = 5.474$ S/m; $\epsilon_r = 34.512$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(4.72, 4.72, 4.72) @ 5775 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (11x20x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 0.652 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) = 2.30 W/kg
SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.134 W/kg
Maximum value of SAR (measured) = 1.30 W/kg



Test Laboratory: BTL.Inc

Date: 2022/3/25

W47_802.11ac VHT80_CH155_Back of keyboard_0cm_ANT Aux

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ac WIFI (80MHz) (0);

Frequency: 5775 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.474 \text{ S/m}$; $\epsilon_r = 34.512$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(4.78, 4.78, 4.78) @ 5775 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2021/12/30
- Phantom: ELI V5.0; Type: QD OVA 001 BB; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (11x20x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.09 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) = 3.66 W/kg

SAR(1 g) = 0.545 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 1.07 W/kg

