

Test Laboratory: BTL Inc.

Date: 2021/12/7

W02_802.11b_CH6_Back of Keyboard_0cm_Ant 1

DUT: Notebook;

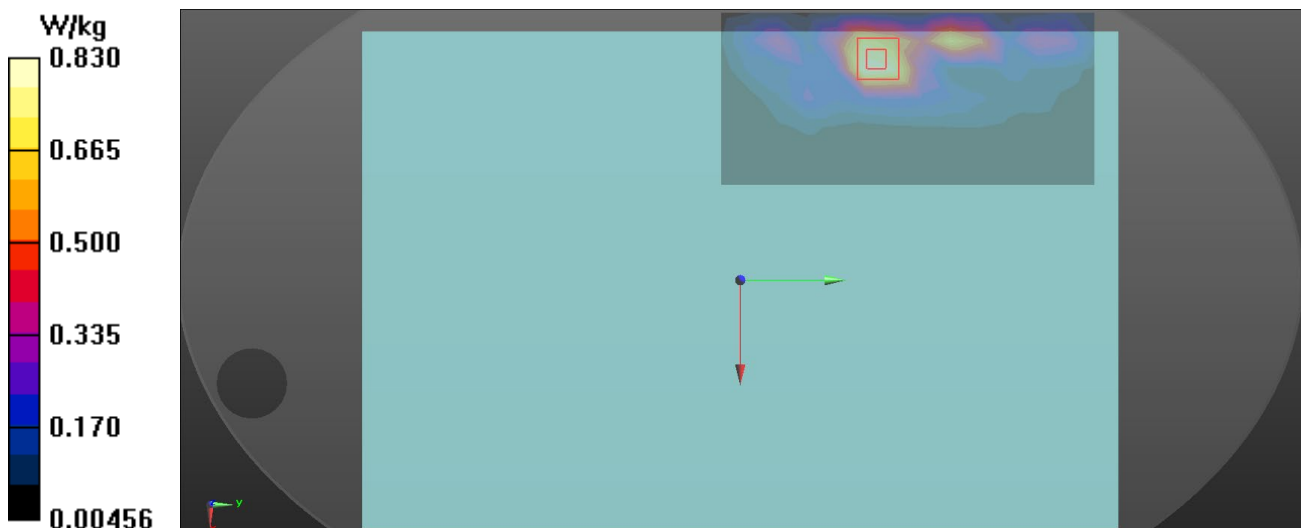
Communication System: UID 0, IEEE 802.11b WiFi 2.4GHz (DSSS,1Mbps) (0);
Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.3 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.58, 4.58, 4.58) @ 2437 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.830 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 1.914 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.43 W/kg
SAR(1 g) = 1.000 W/kg; SAR(10 g) = 0.435 W/kg
Maximum value of SAR (measured) = 1.39 W/kg



Test Laboratory: BTL Inc.

Date: 2021/12/7

W07_802.11g_CH6_Back of Keyboard_0cm_Ant 2

DUT: Notebook;

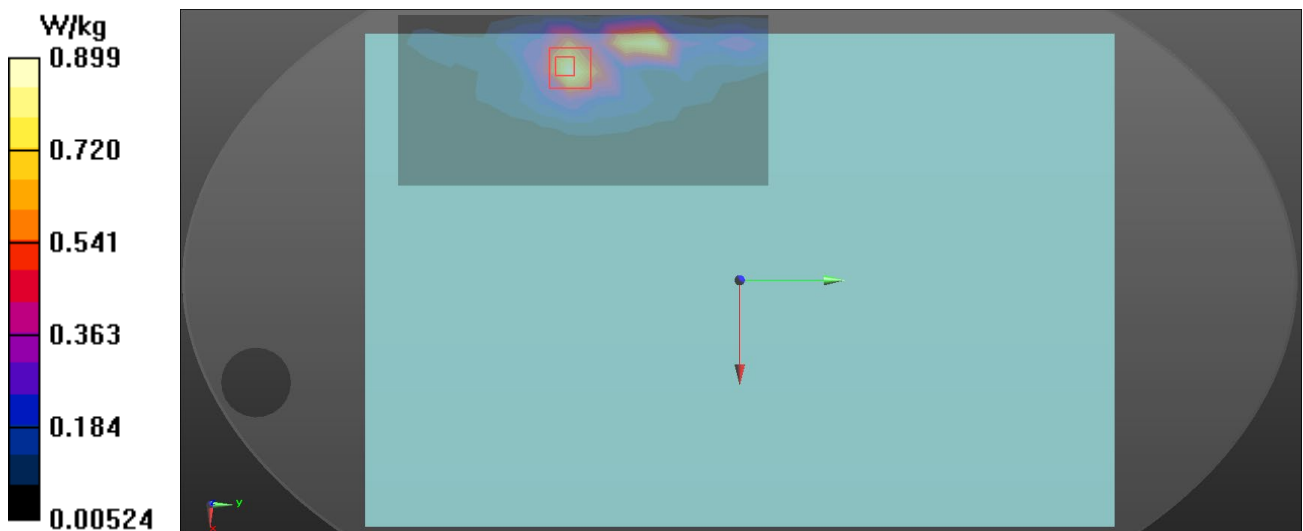
Communication System: UID 0, IEEE 802.11g WiFi 2.4GHz(OFDM,6Mbps) (0);
Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.3 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.58, 4.58, 4.58) @ 2437 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.899 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 1.257 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.327 W/kg
Maximum value of SAR (measured) = 0.864 W/kg



Test Laboratory: BTL Inc.

Date: 2021/12/7

B02_BT DH5_CH78_Back of Keyboard_0cm_Ant 1**DUT: Notebook;**

Communication System: UID 0, Bluetooth (0);

Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.794$ S/m; $\epsilon_r = 38.446$; $\rho = 1000$ kg/m³

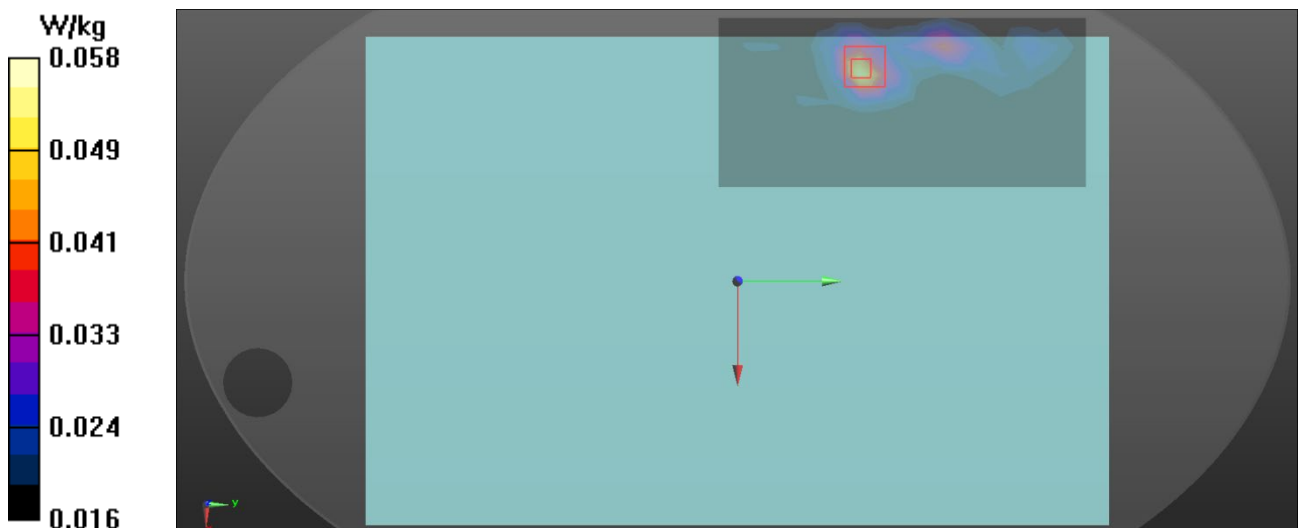
Ambient Temperature: 23.3 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.58, 4.58, 4.58) @ 2480 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.0545 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 2.025 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.111 W/kg
SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.028 W/kg
Maximum value of SAR (measured) = 0.0578 W/kg



Test Laboratory: BTL Inc.

Date: 2021/12/8

W12_802.11ax HE40_CH54_Back of Keyboard_0cm_Ant 1

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ax (0);

Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270$ MHz; $\sigma = 4.829$ S/m; $\epsilon_r = 35.679$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.55, 5.55, 5.55) @ 5270 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- 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 (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.86 W/kg

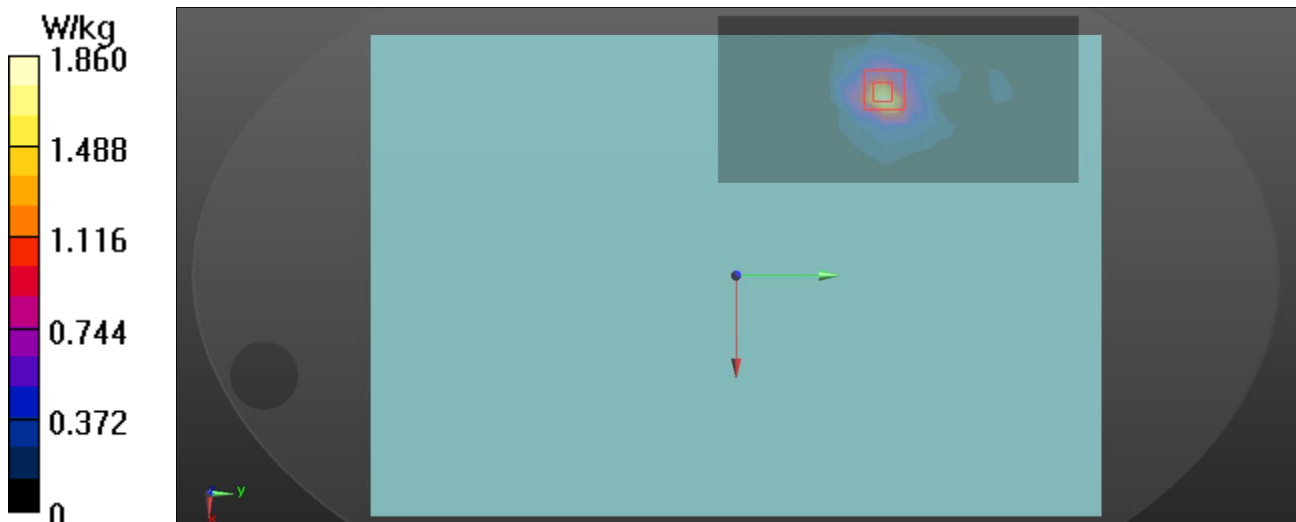
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 3.38 W/kg

SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.290 W/kg

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



Test Laboratory: BTL Inc.

Date: 2021/12/8

W16_802.11ax HE40_CH54_Back of Keyboard_0cm_Ant 2

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ax (0);

Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270$ MHz; $\sigma = 4.829$ S/m; $\epsilon_r = 35.679$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.55, 5.55, 5.55) @ 5270 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- 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 (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.78 W/kg

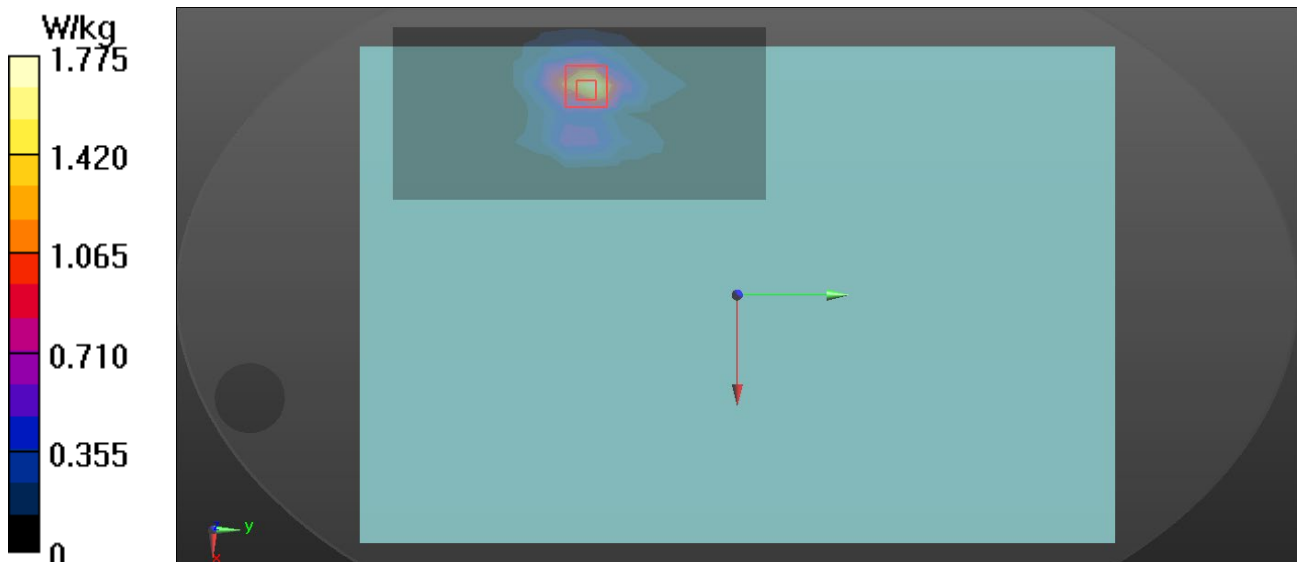
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.298 W/kg

Maximum value of SAR (measured) = 1.85 W/kg



Test Laboratory: BTL Inc.

Date: 2021/12/8

W20_802.11ax HE80_CH122_Back of Keyboard_0cm_Ant 1

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ax (0);

Frequency: 5610 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.212$ S/m; $\epsilon_r = 34.778$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(4.94, 4.94, 4.94) @ 5610 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- 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 (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.26 W/kg

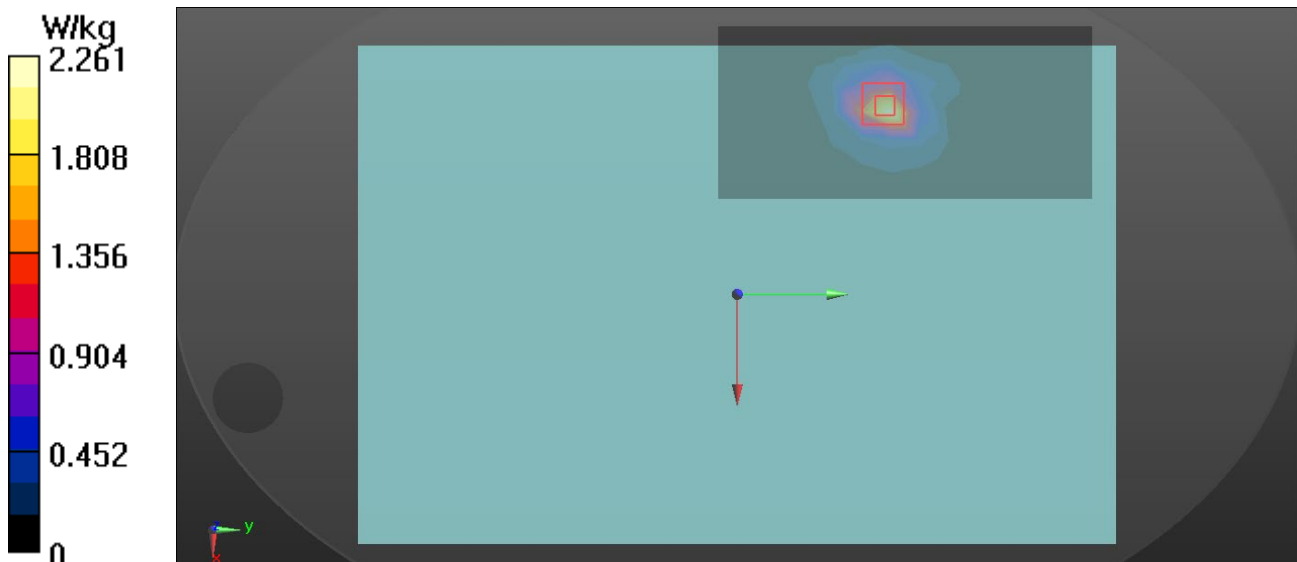
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 4.34 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.350 W/kg

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



Test Laboratory: BTL Inc.

Date: 2021/12/8

W24_802.11ax HE80_CH122_Back of Keyboard_0cm_Ant 2

DUT: Notebook;

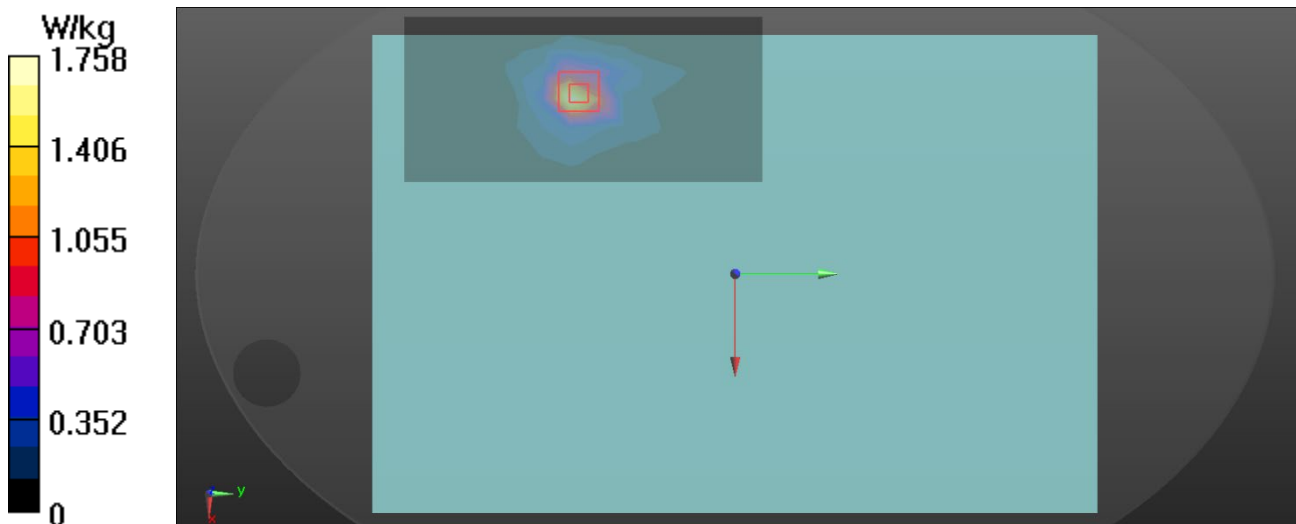
Communication System: UID 0, IEEE 802.11ax (0);
Frequency: 5610 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.212$ S/m; $\epsilon_r = 34.778$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(4.94, 4.94, 4.94) @ 5610 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- 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 (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 1.76 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) = 3.52 W/kg
SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.283 W/kg
Maximum value of SAR (measured) = 2.02 W/kg



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Date: 2021/12/8

W28_802.11ax HE80_CH138_Back of Keyboard_0cm_Ant 1**DUT: Notebook;**

Communication System: UID 0, IEEE 802.11ax (0);

Frequency: 5690 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5690$ MHz; $\sigma = 5.297$ S/m; $\epsilon_r = 34.59$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(4.94, 4.94, 4.94) @ 5690 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- 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 (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.36 W/kg

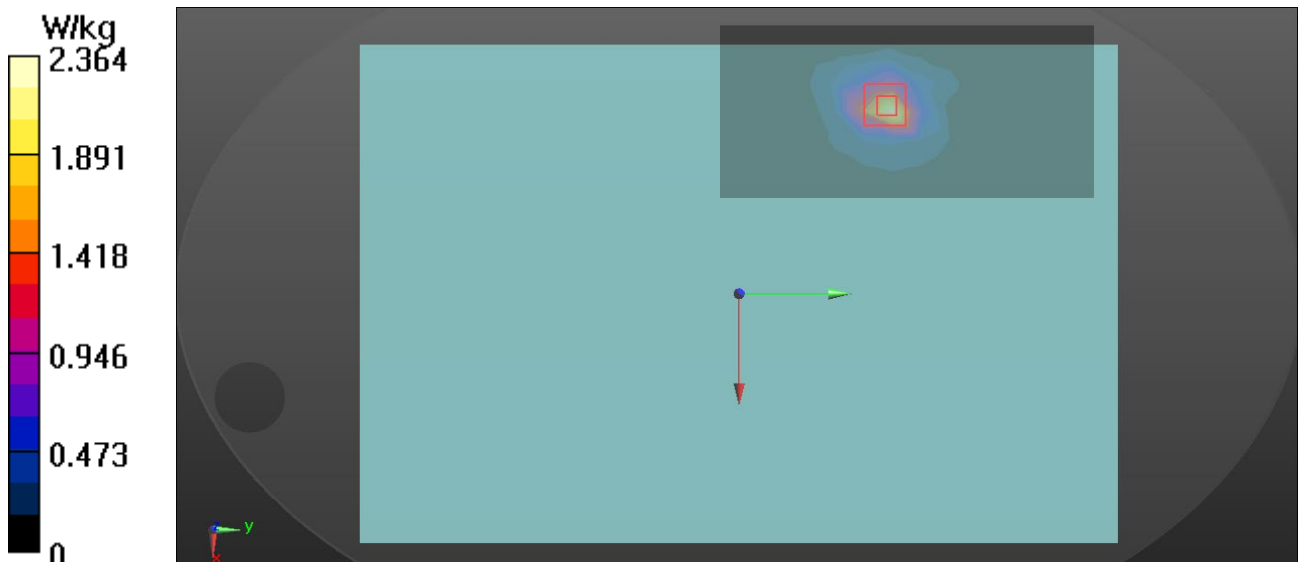
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 4.53 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.357 W/kg

Maximum value of SAR (measured) = 2.57 W/kg



Test Laboratory: BTL Inc.

Date: 2021/12/8

W32_802.11ax HE80_CH138_Back of Keyboard_0cm_Ant 2**DUT: Notebook;**

Communication System: UID 0, IEEE 802.11ax (0);

Frequency: 5690 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5690$ MHz; $\sigma = 5.297$ S/m; $\epsilon_r = 34.59$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(4.94, 4.94, 4.94) @ 5690 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- 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 (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.65 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) = 4.14 W/kg

SAR(1 g) = 0.965 W/kg; SAR(10 g) = 0.320 W/kg

Maximum value of SAR (measured) = 2.32 W/kg

