

Test Laboratory: BTL.Inc

Date: 2021/6/24

W03_802.11b_CH6_Back of Keyboard_0cm_Ant Main

DUT: Notebook;

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps);

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.78$ S/m; $\epsilon_r = 39.752$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(7.98, 7.98, 7.98) @ 2442 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- 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 (10x15x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

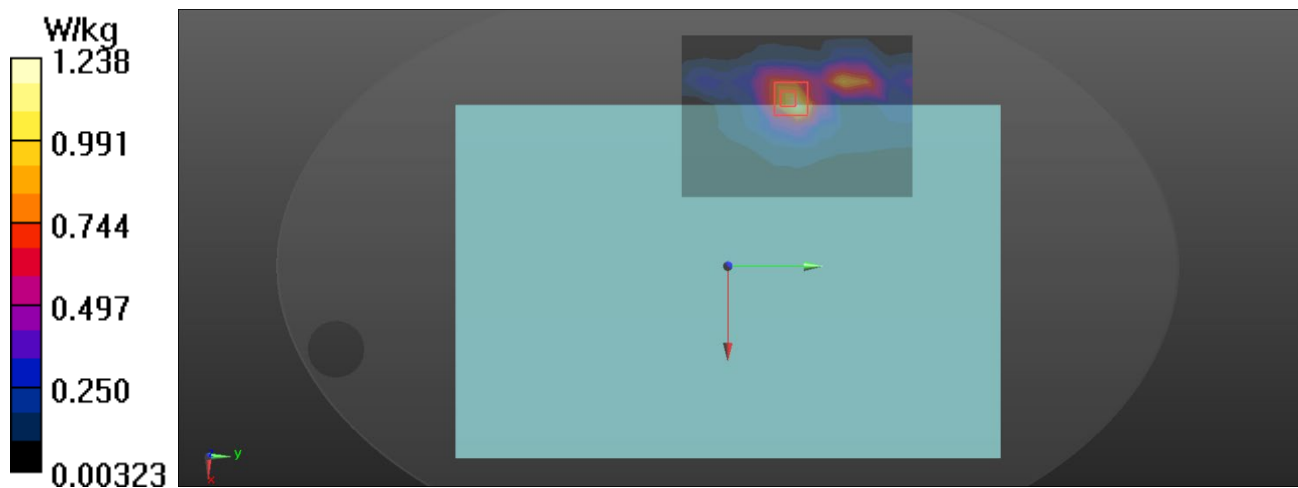
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.796 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 1.42 W/kg



Test Laboratory: BTL.Inc

Date: 2021/6/24

W08_802.11b_CH11_Back of Keyboard_0cm_Ant Aux

DUT: Notebook;

Communication System: UID 10061 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps);

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.803$ S/m; $\epsilon_r = 39.675$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(7.98, 7.98, 7.98) @ 2462 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- 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) = 1.18 W/kg

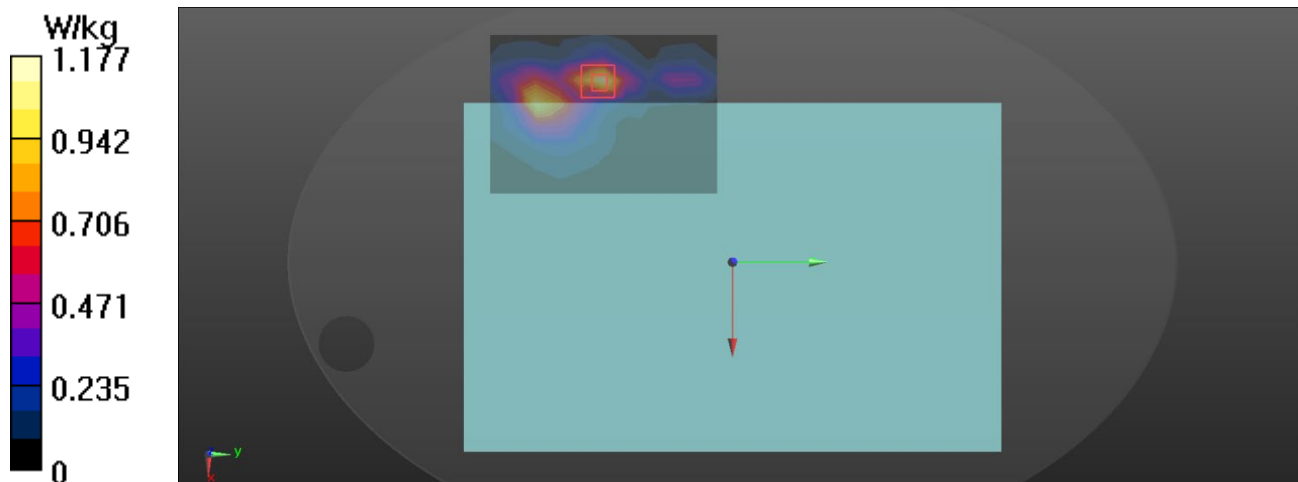
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.773 W/kg; SAR(10 g) = 0.353 W/kg

Maximum value of SAR (measured) = 1.20 W/kg



Test Laboratory: BTL.Inc

Date: 2021/6/24

B03_ BT DH5_CH39_Back of Keyboard_0cm_Ant Main

DUT: Notebook;

Communication System: UID 0, Bluetooth (0);

Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.779$ S/m; $\epsilon_r = 39.757$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(7.98, 7.98, 7.98) @ 2441 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- 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 (10x15x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.044 W/kg

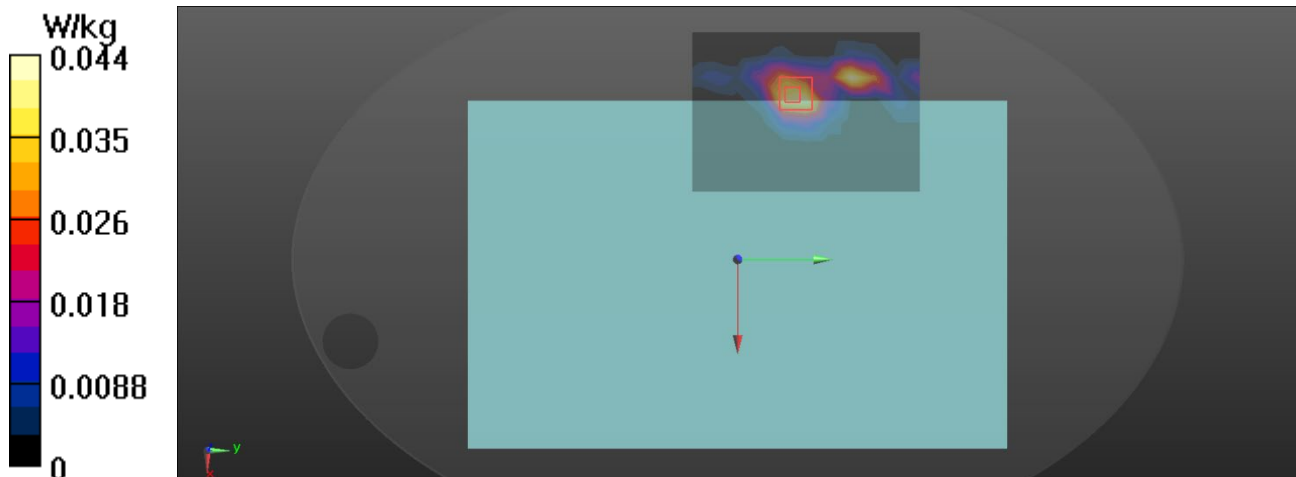
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 0.075 W/kg

SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.013 W/kg

Maximum value of SAR (measured) = 0.0561 W/kg



Test Laboratory: BTL,Inc

Date: 2021/6/22

W18_802.11a_CH60_Back of Keyboard_0cm_Ant Main**DUT: Notebook;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0);

Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5300$ MHz; $\sigma = 4.892$ S/m; $\epsilon_r = 35.537$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.55, 5.55, 5.55) @ 5300 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- 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 (12x17x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.33 W/kg

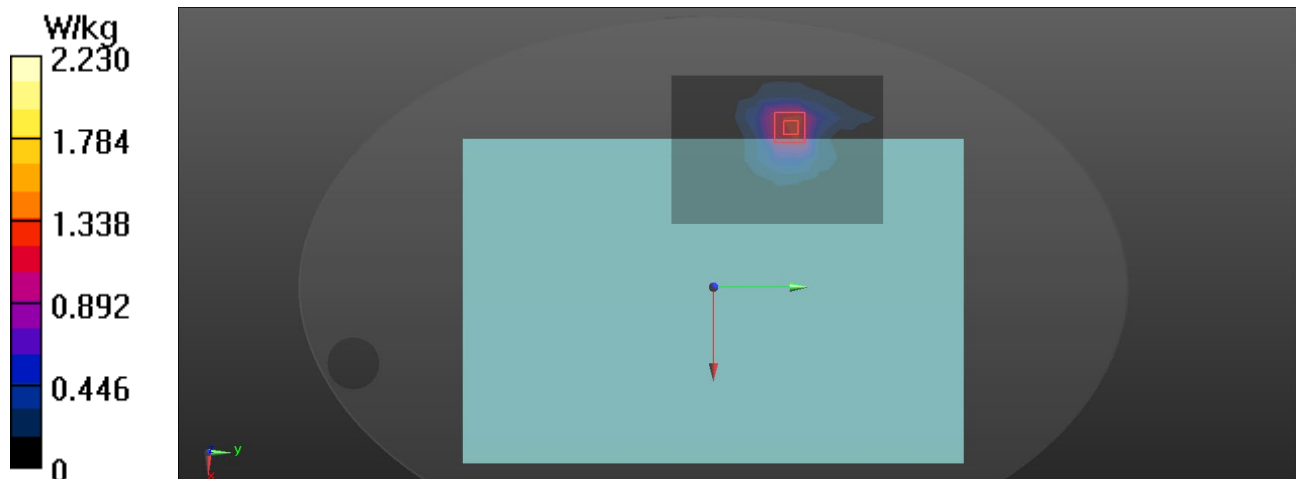
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 3.79 W/kg

SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.340 W/kg

Maximum value of SAR (measured) = 2.23 W/kg



Test Laboratory: BTL,Inc

Date: 2021/6/22

W24_802.11a_CH56_Back of Keyboard_0cm_Ant Aux**DUT: Notebook;**

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0);

Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5280$ MHz; $\sigma = 4.867$ S/m; $\epsilon_r = 35.586$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.55, 5.55, 5.55) @ 5280 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- 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 (12x17x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

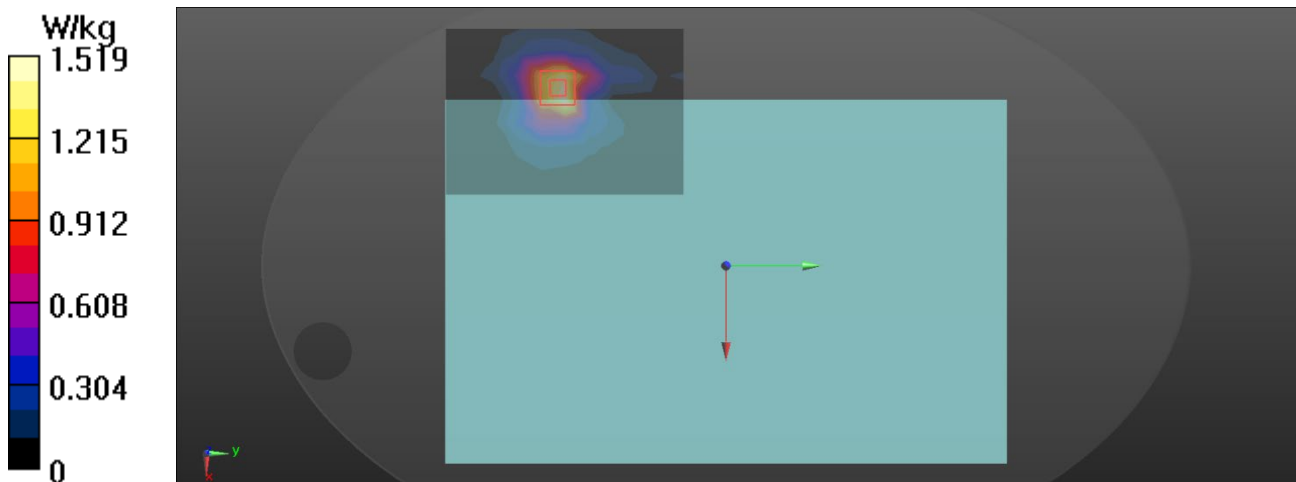
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 3.88 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.359 W/kg

Maximum value of SAR (measured) = 2.33 W/kg



Test Laboratory: BTL.Inc

Date: 2021/6/22

W27_802.11ac VHT80_CH122_Back of Keyboard_0cm_Ant Main

DUT: Notebook;

Communication System: UID 10626 - AAB, IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle);

Frequency: 5610 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.26$ S/m; $\epsilon_r = 34.759$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.1, 5.1, 5.1) @ 5530 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- 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 (12x17x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

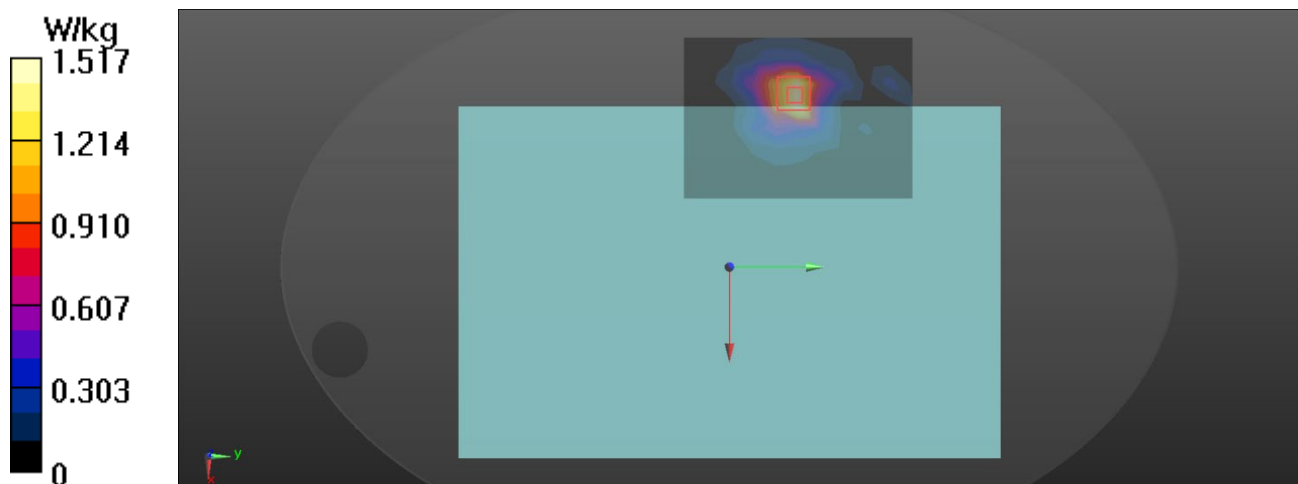
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 2.41 W/kg



Test Laboratory: BTL, Inc

Date: 2021/6/22

W32_802.11ac VHT80_CH122_Back of Keyboard_0cm_Ant Aux**DUT: Notebook;**

Communication System: UID 10626 - AAB, IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle);

Frequency: 5610 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.26$ S/m; $\epsilon_r = 34.759$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °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 Sn1423; Calibrated: 2020/12/11
- 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 (12x17x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

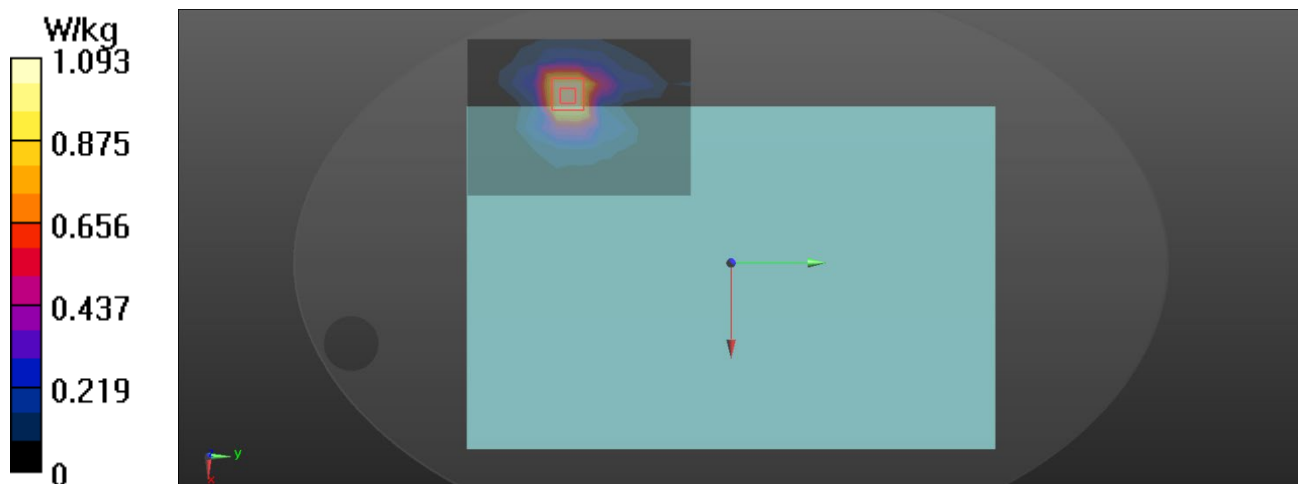
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.50 W/kg

SAR(1 g) = 0.843 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 1.96 W/kg



Test Laboratory: BTL.Inc

Date: 2021/6/22

W38_802.11n HT40_CH159_Back of Keyboard_0cm_Ant Main

DUT: Notebook;

Communication System: UID 10599 - AAB, IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle);

Frequency: 5795 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.491$ S/m; $\epsilon_r = 34.325$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.07, 5.07, 5.07) @ 5795 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- 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 (12x17x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

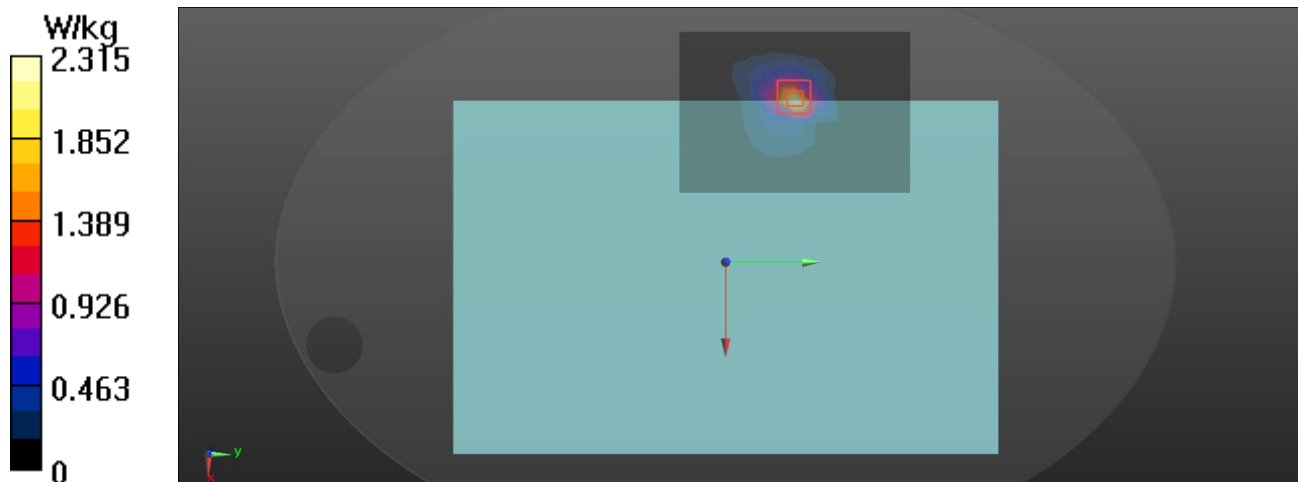
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 4.25 W/kg

SAR(1 g) = 0.962 W/kg; SAR(10 g) = 0.328 W/kg

Maximum value of SAR (measured) = 2.23 W/kg



Test Laboratory: BTL,Inc

Date: 2021/6/22

W42_802.11n HT40_CH151_Back of Keyboard_0cm_Ant Aux

DUT: Notebook;

Communication System: UID 10599 - AAB, IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle);

Frequency: 5755 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5755$ MHz; $\sigma = 5.445$ S/m; $\epsilon_r = 34.419$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.4 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(5.07, 5.07, 5.07) @ 5755 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- 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 (12x17x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.48 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) = 4.37 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.349 W/kg

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

