

Test LTest Laboratory: BTL,Inc

Date: 2020/12/18

W03_802.11b_CH1_Back of Keyboard_0cm_Ant A

DUT: Notebook;

Communication System: UID 0, WI-FI (2412-2472) (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 38.606$; $\rho = 1000$ kg/m³

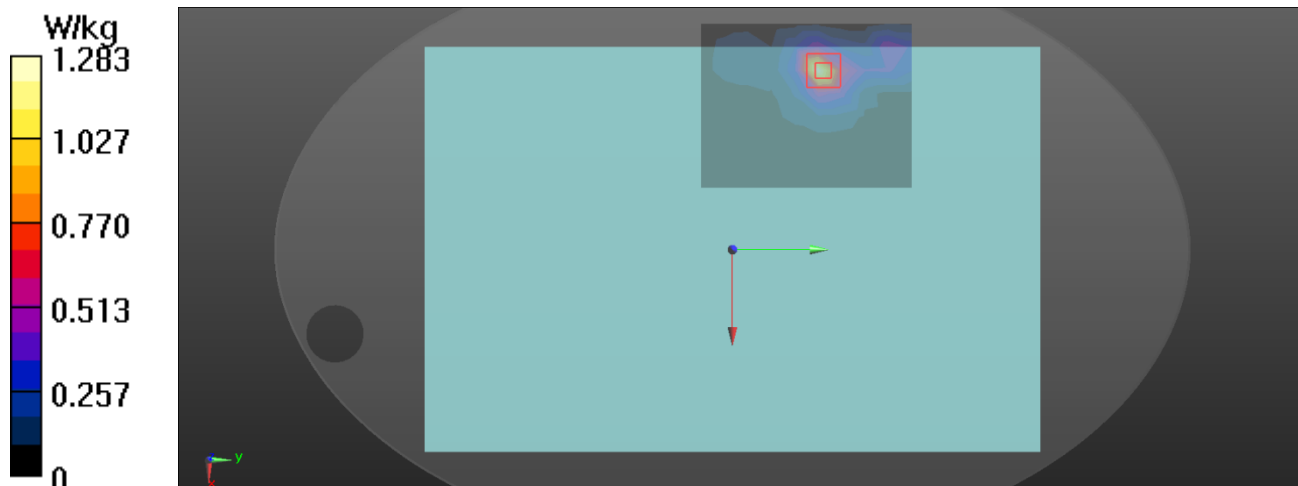
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.56, 7.56, 7.56) @ 2412 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn427; Calibrated: 2020/3/31
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x13x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 1.28 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) = 1.80 W/kg
SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.333 W/kg
Maximum value of SAR (measured) = 1.37 W/kg



Test Laboratory: BTL.Inc

Date: 2020/12/18

W08_802.11b_CH1_Back of Keyboard_0cm_Ant B**DUT: Notebook;**

Communication System: UID 0, WI-FI (2412-2472) (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 38.606$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.56, 7.56, 7.56) @ 2412 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn427; Calibrated: 2020/3/31
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x13x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.701 W/kg

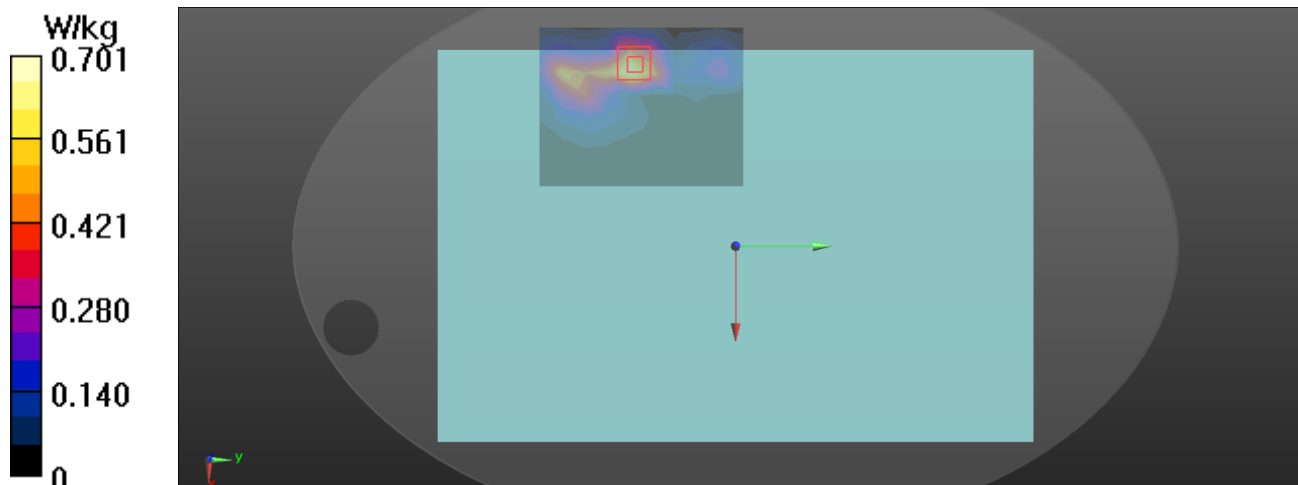
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.236 W/kg

Maximum value of SAR (measured) = 0.838 W/kg



Test Laboratory: BTL.Inc

Date: 2020/12/16

W18_802.11a_CH56_Back of Keyboard_0cm_Ant A

DUT: Notebook;

Communication System: UID 10062 - CAA, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5280 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5280 \text{ MHz}$; $\sigma = 4.767 \text{ S/m}$; $\epsilon_r = 35.846$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(5.25, 5.25, 5.25) @ 5280 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE3 Sn427; Calibrated: 2020/3/31
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

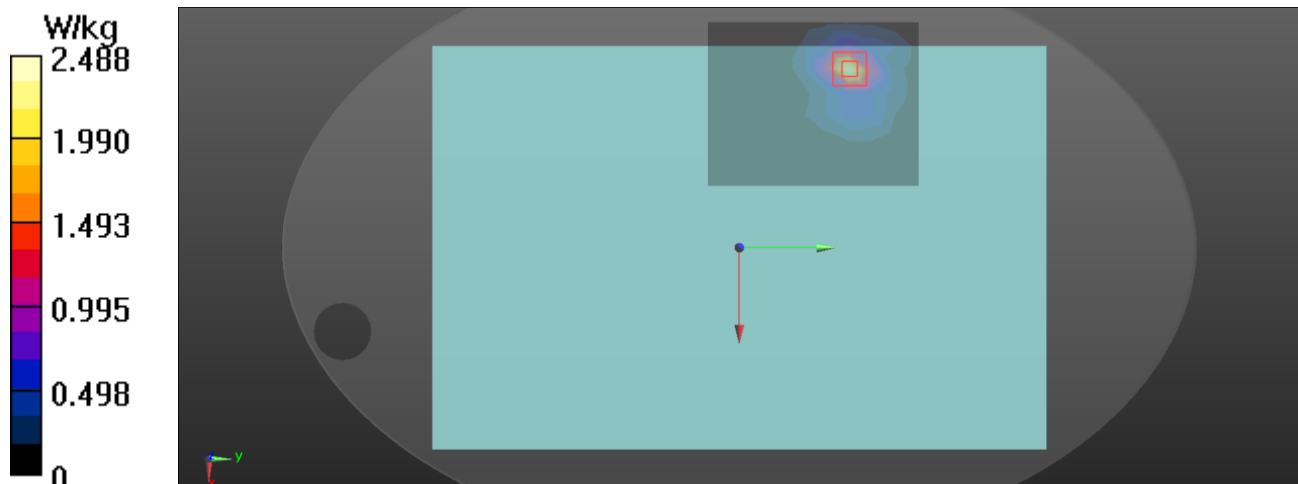
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

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

Peak SAR (extrapolated) = 4.14 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.366 W/kg

Maximum value of SAR (measured) = 2.56 W/kg



Test Laboratory: BTL.Inc

Date: 2020/12/16

W22_802.11a_CH60_Back of Keyboard_0cm_Ant B

DUT: Notebook;

Communication System: UID 10062 - CAA, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5300$ MHz; $\sigma = 4.804$ S/m; $\epsilon_r = 35.801$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(5.25, 5.25, 5.25) @ 5300 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE3 Sn427; Calibrated: 2020/3/31
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x15x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.14 W/kg

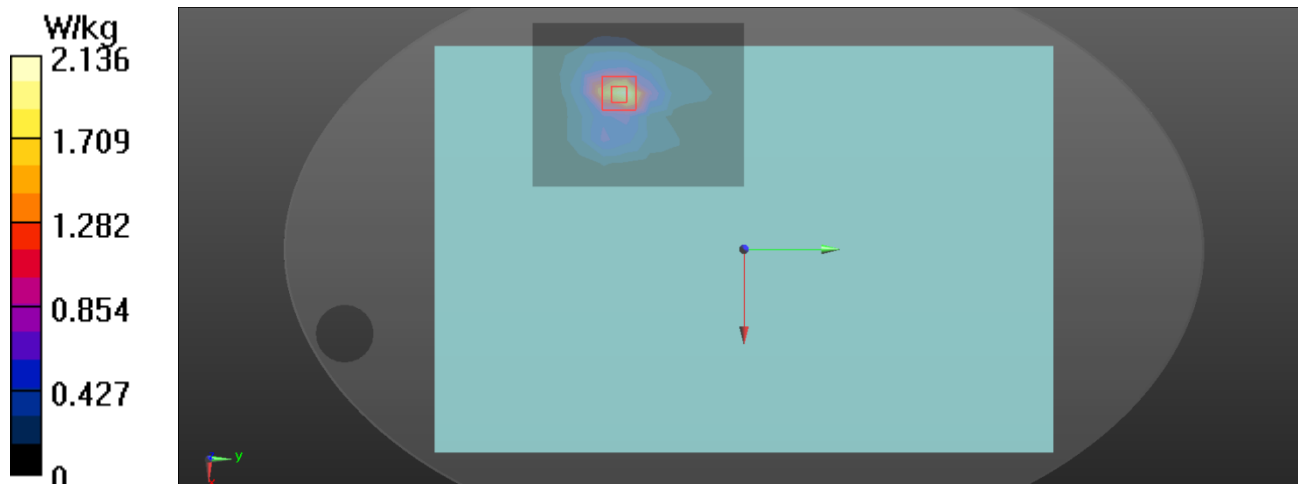
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 4.09 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.365 W/kg

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



Test Laboratory: BTL.Inc

Date: 2020/12/16

W27_802.11a_CH104_Back of Keyboard_0cm_Ant A**DUT: Notebook;**

Communication System: UID 10062 - CAA, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5520 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5520$ MHz; $\sigma = 5.063$ S/m; $\epsilon_r = 35.271$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.97, 4.97, 4.97) @ 5520 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE3 Sn427; Calibrated: 2020/3/31
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)s

Area Scan (12x15x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

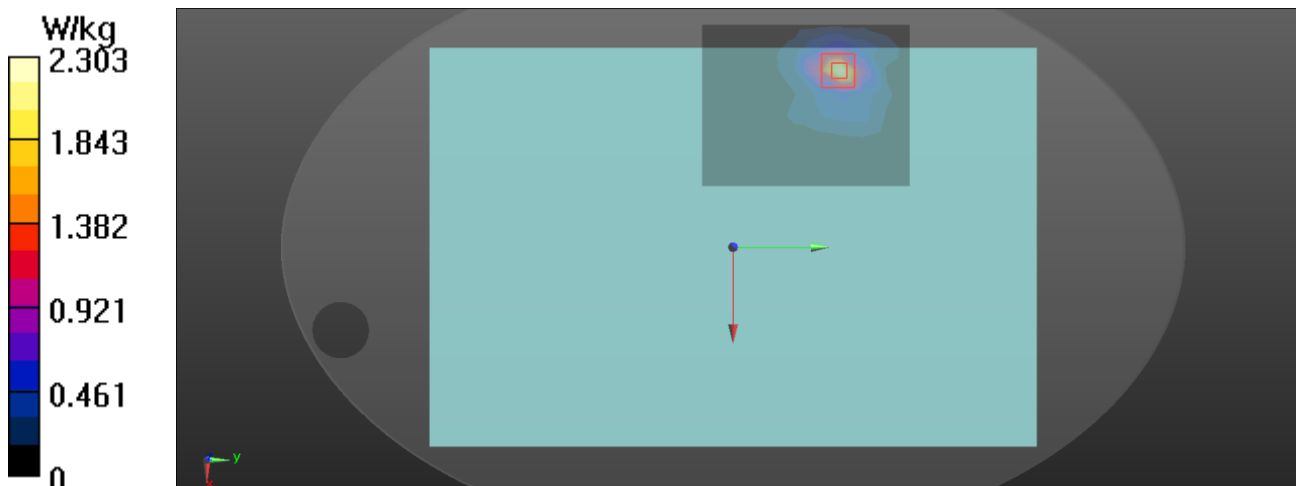
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 4.20 W/kg

SAR(1 g) = 0.970 W/kg; SAR(10 g) = 0.330 W/kg

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



Test Laboratory: BTL,Inc

Date: 2020/12/16

W34_802.11a_CH136_Back of Keyboard_0cm_Ant B**DUT: Notebook;**

Communication System: UID 10062 - CAA, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5680 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5680$ MHz; $\sigma = 5.244$ S/m; $\epsilon_r = 34.86$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.82, 4.82, 4.82) @ 5680 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE3 Sn427; Calibrated: 2020/3/31
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x15x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.05 W/kg

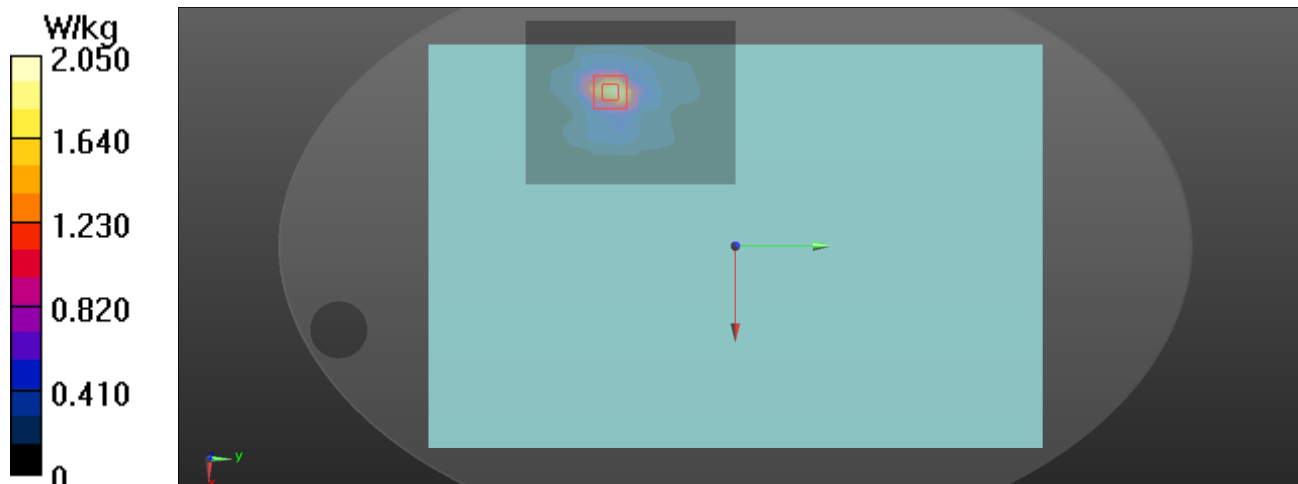
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 4.35 W/kg

SAR(1 g) = 0.965 W/kg; SAR(10 g) = 0.332 W/kg

Maximum value of SAR (measured) = 2.29 W/kg



Test Laboratory: BTL.Inc

Date: 2020/12/16

W37_802.11a_CH165_Back of Keyboard_0cm_Ant A**DUT: Notebook;**

Communication System: UID 10062 - CAA, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5825$ MHz; $\sigma = 5.442$ S/m; $\epsilon_r = 34.51$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.8, 4.8, 4.8) @ 5825 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE3 Sn427; Calibrated: 2020/3/31
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x15x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.56 W/kg

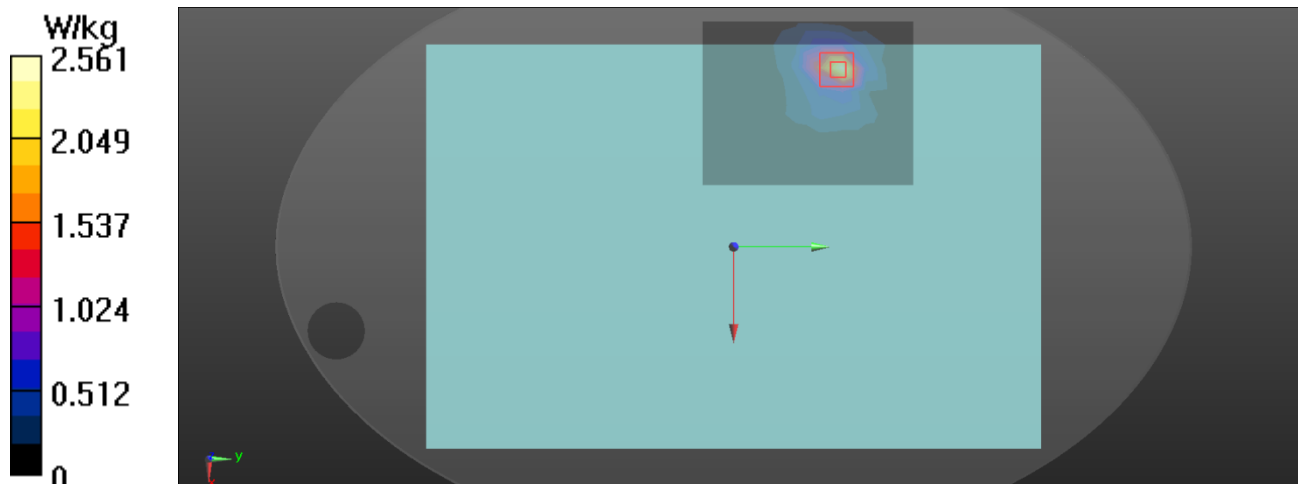
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 5.41 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.377 W/kg

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



Test Laboratory: BTL.Inc

Date: 2020/12/16

W43_802.11a_CH153_Back of Keyboard_0cm_Ant B

DUT: Notebook;

Communication System: UID 0, WI-FI(U-NII-3) (0); Frequency: 5765 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5765 \text{ MHz}$; $\sigma = 5.342 \text{ S/m}$; $\epsilon_r = 34.654$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.8, 4.8, 4.8) @ 5765 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE3 Sn427; Calibrated: 2020/3/31
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.91 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) = 4.26 W/kg

SAR(1 g) = 0.922 W/kg; SAR(10 g) = 0.309 W/kg

Maximum value of SAR (measured) = 2.19 W/kg

