Test Laboratory: BTL Inc. Date: 2021/12/4

**W02_802.11b_CH6_Back of Keyboard_0cm_Ant A**

**DUT: Notebook;**

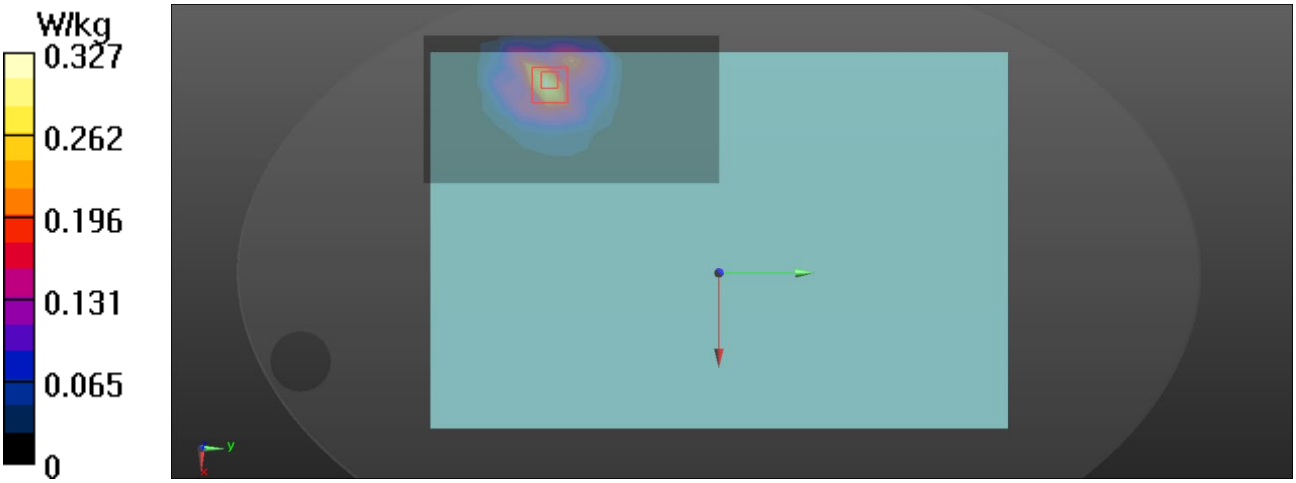
Communication System: UID 0, IEEE 802.11b WiFi 2.4GHz (DSSS,1Mbps) (0);
Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 1.849 S/m; $\varepsilon_r$ = 38.23; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.1 ℃; Liquid Temperature：22.5 ℃

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 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 (9x17x1):** Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.327 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.500 W/kg
**SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.133 W/kg**
Maximum value of SAR (measured) = 0.331 W/kg



Test Laboratory: BTL Inc. Date: 2021/12/4

**W07_802.11g_CH6_Back of Keyboard_0cm_Ant B**

**DUT: Notebook;**

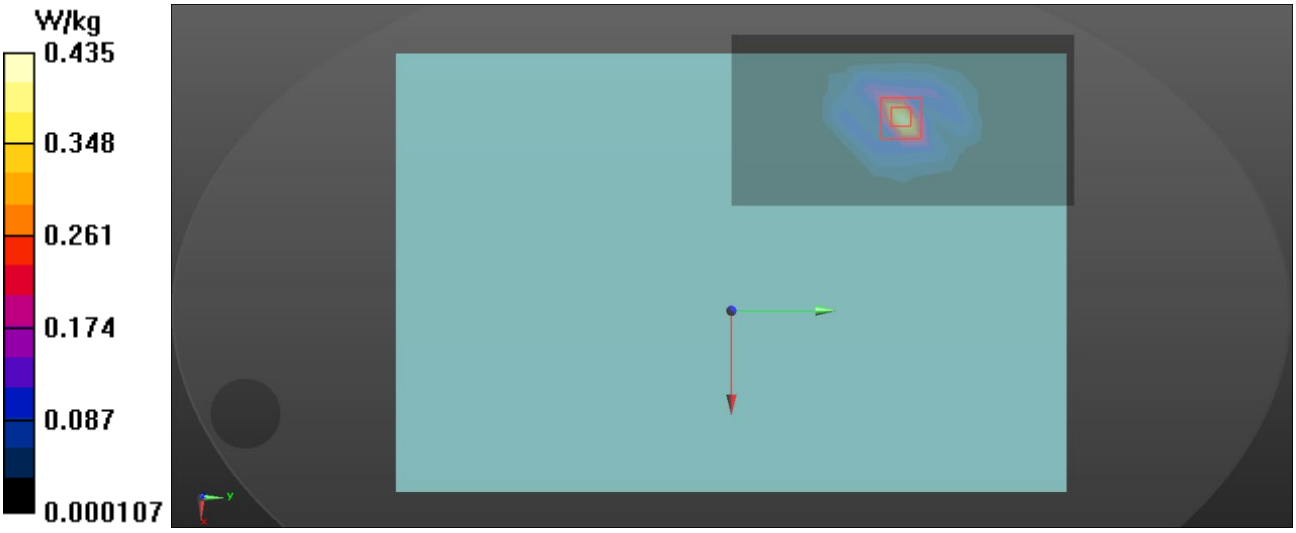
Communication System: UID 0, IEEE 802.11g WiFi 2.4GHz(OFDM,6Mbps) (0);
Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; $\sigma$ = 1.849 S/m; $\varepsilon_r$ = 38.23; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.1 ℃; Liquid Temperature：22.5 ℃

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 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 (9x17x1):** Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.436 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.616 W/kg
**SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.125 W/kg**
Maximum value of SAR (measured) = 0.435 W/kg



Test Laboratory: BTL Inc. Date: 2021/12/4

**B02_BT DH5_CH78_Back of Keyboard_0cm_Ant A**

**DUT: Notebook;**

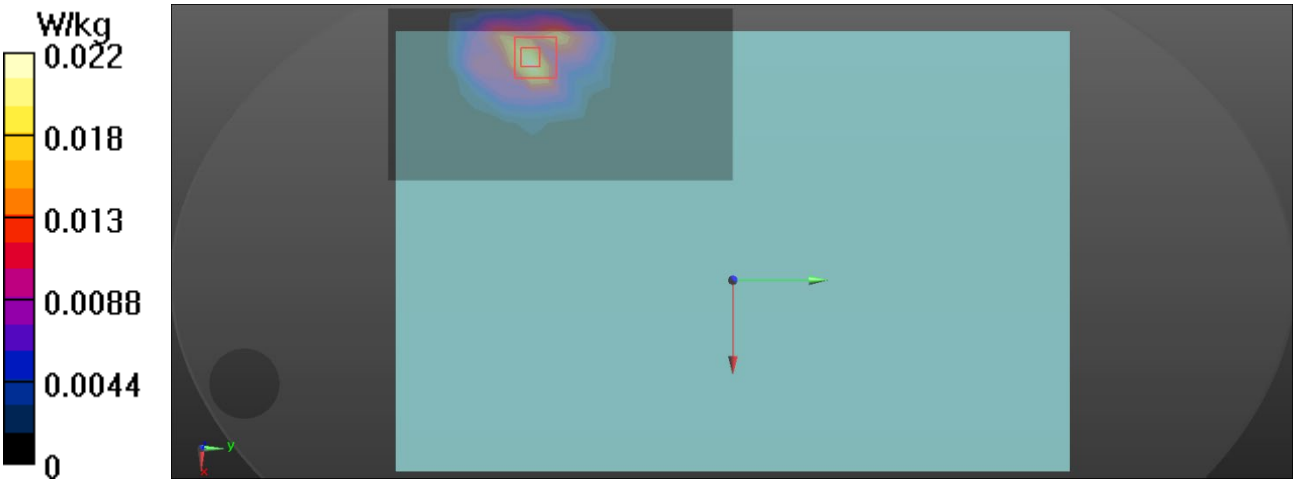
Communication System: UID 0, Bluetooth (0);
Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2480 MHz; $\sigma$ = 1.899 S/m; $\varepsilon_r$ = 38.066; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.1 ℃; Liquid Temperature：22.5 ℃

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 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 (9x17x1):** Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0220 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.0350 W/kg
**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.008 W/kg**
Maximum value of SAR (measured) = 0.0224 W/kg



Test Laboratory: BTL Inc. Date: 2021/12/5

**W12_802.11ax HE40_CH54_Back of Keyboard_0cm_Ant A**

**DUT: Notebook;**

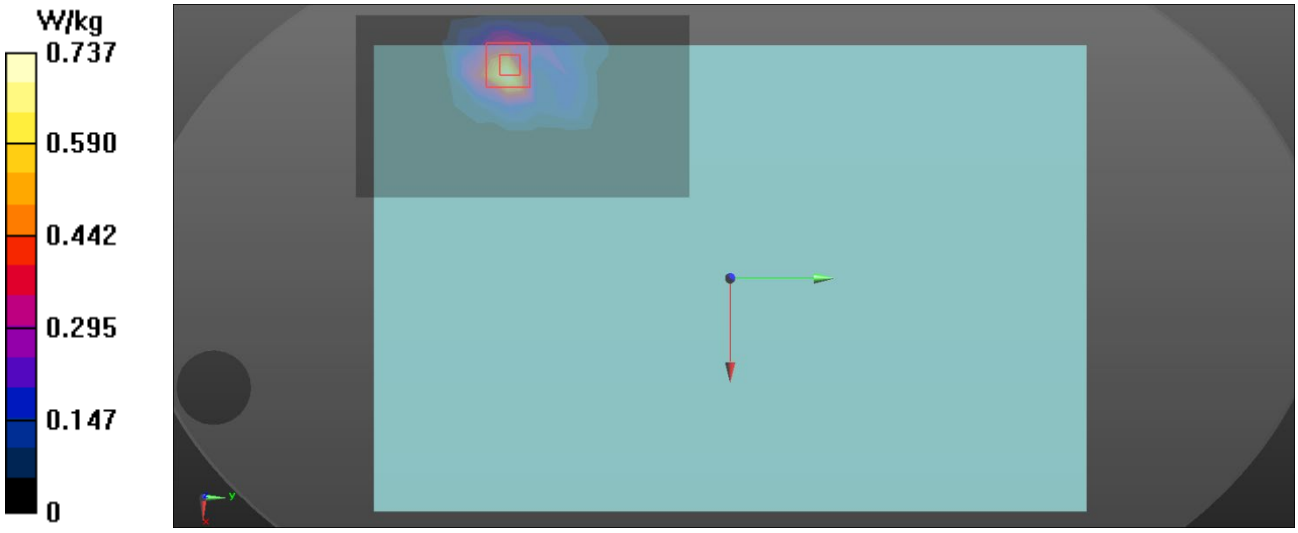
Communication System: UID 0, IEEE 802.11ax (0);
Frequency: 5270 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; $\sigma$ = 4.737 S/m; $\varepsilon_r$ = 36.032; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(5.2, 5.2, 5.2) @ 5270 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn760; Calibrated: 2021/10/26
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (11x18x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.737 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.47 W/kg
**SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.119 W/kg**
Maximum value of SAR (measured) = 0.780 W/kg



Test Laboratory: BTL Inc. Date: 2021/12/5

**W16_802.11ax HE40_CH54_Back of Keyboard_0cm_Ant B**

**DUT: Notebook;**

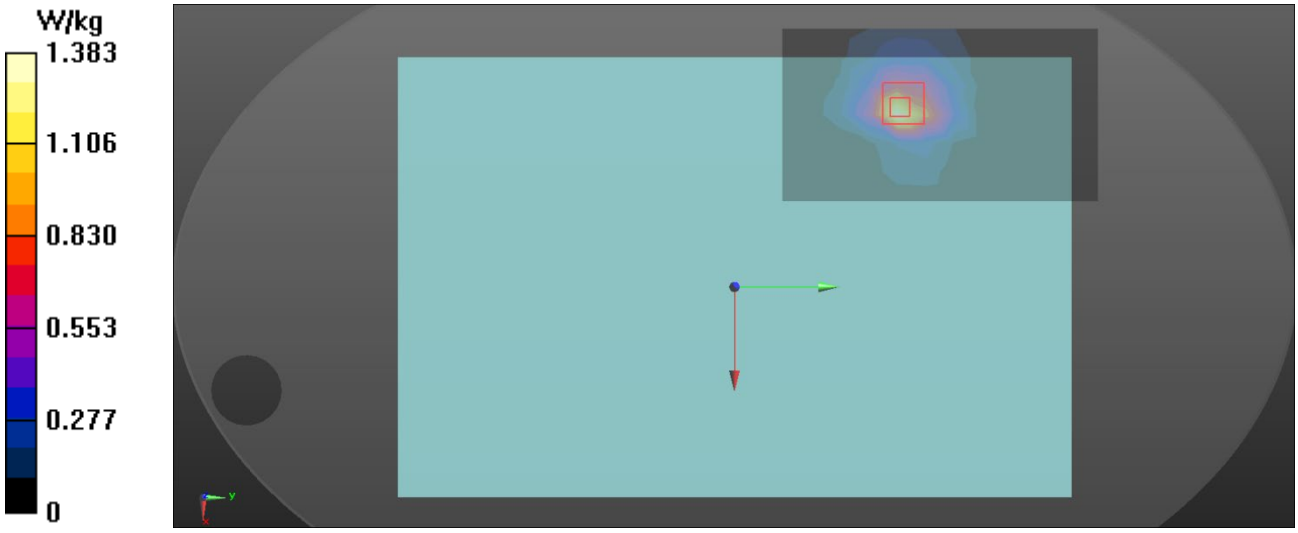
Communication System: UID 0, IEEE 802.11ax (0);
Frequency: 5270 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5270 MHz; σ = 4.737 S/m; $\varepsilon_r$ = 36.032; ρ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(5.2, 5.2, 5.2) @ 5270 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn760; Calibrated: 2021/10/26
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (11x18x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.38 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) = 2.61 W/kg
**SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.257 W/kg**
Maximum value of SAR (measured) = 1.49 W/kg



Test Laboratory: BTL Inc. Date: 2021/12/5

**W20_802.11ax HE80_CH122_Back of Keyboard_0cm_Ant A**

**DUT: Notebook;**

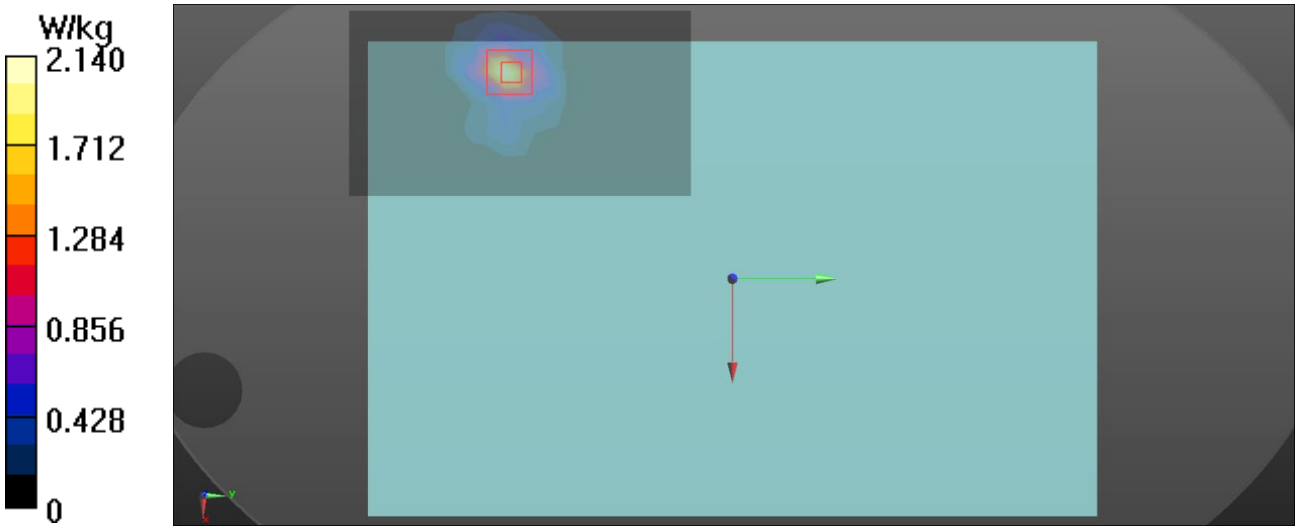
Communication System: UID 0, IEEE 802.11ax (0);
Frequency: 5610 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5610 MHz; $\sigma$ = 5.162 S/m; $\varepsilon_r$ = 35.162; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(4.81, 4.81, 4.81) @ 5610 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn760; Calibrated: 2021/10/26
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (11x18x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.14 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.65 W/kg
**SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.300 W/kg**
Maximum value of SAR (measured) = 2.14 W/kg



Test Laboratory: BTL Inc. Date: 2021/12/5

**W24_802.11ax HE80_CH122_Back of Keyboard_0cm_Ant B**

**DUT: Notebook;**

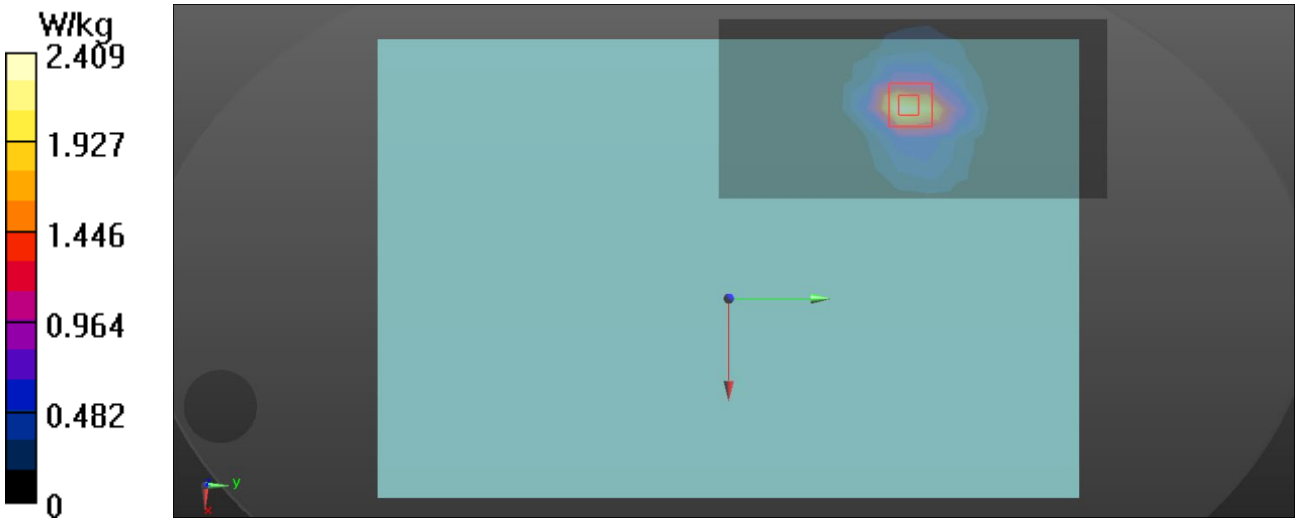
Communication System: UID 0, IEEE 802.11ax (0);
Frequency: 5610 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5610 MHz; $\sigma$ = 5.162 S/m; $\varepsilon_r$ = 35.162; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(4.81, 4.81, 4.81) @ 5610 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn760; Calibrated: 2021/10/26
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (11x21x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.41 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) = 4.57 W/kg
**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.373 W/kg**
Maximum value of SAR (measured) = 2.68 W/kg



Test Laboratory: BTL Inc. Date: 2021/12/5

**W28_802.11ax HE80_CH138_Back of Keyboard_0cm_Ant A**

**DUT: Notebook;**

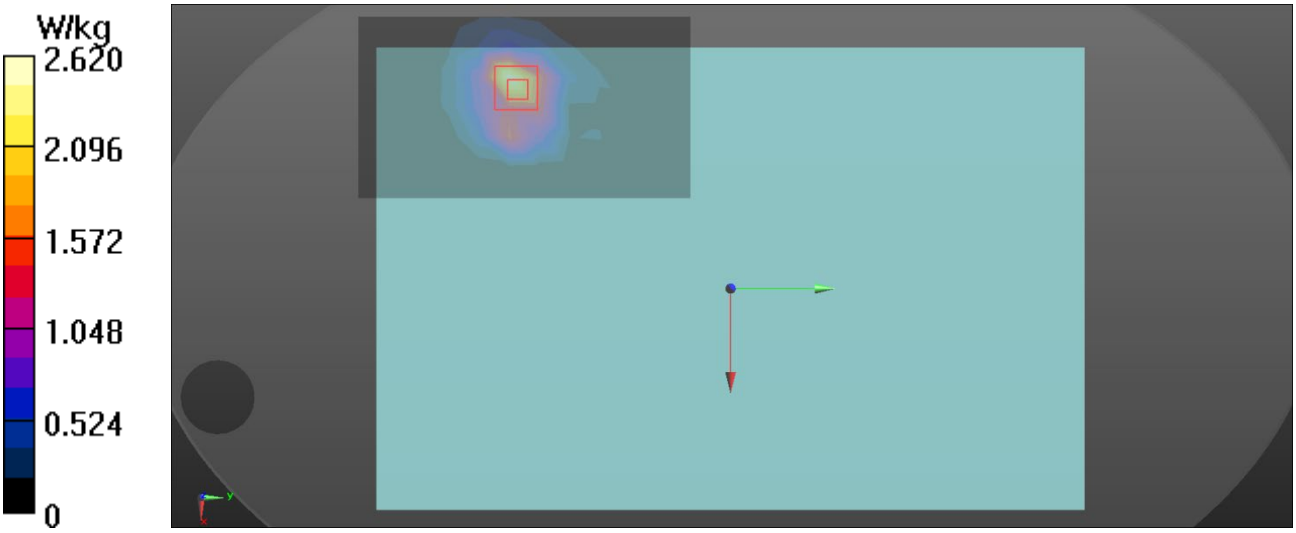
Communication System: UID 0, IEEE 802.11ax (0);
Frequency: 5690 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5690 MHz; $\sigma$ = 5.266 S/m; $\varepsilon_r$ = 34.92; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(4.81, 4.81, 4.81) @ 5690 MHz; Calibrated: 2021/10/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn760; Calibrated: 2021/10/26
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (11x18x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.59 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 4.47 W/kg
**SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.350 W/kg**
Maximum value of SAR (measured) = 2.62 W/kg



Test Laboratory: BTL Inc. Date: 2021/12/5

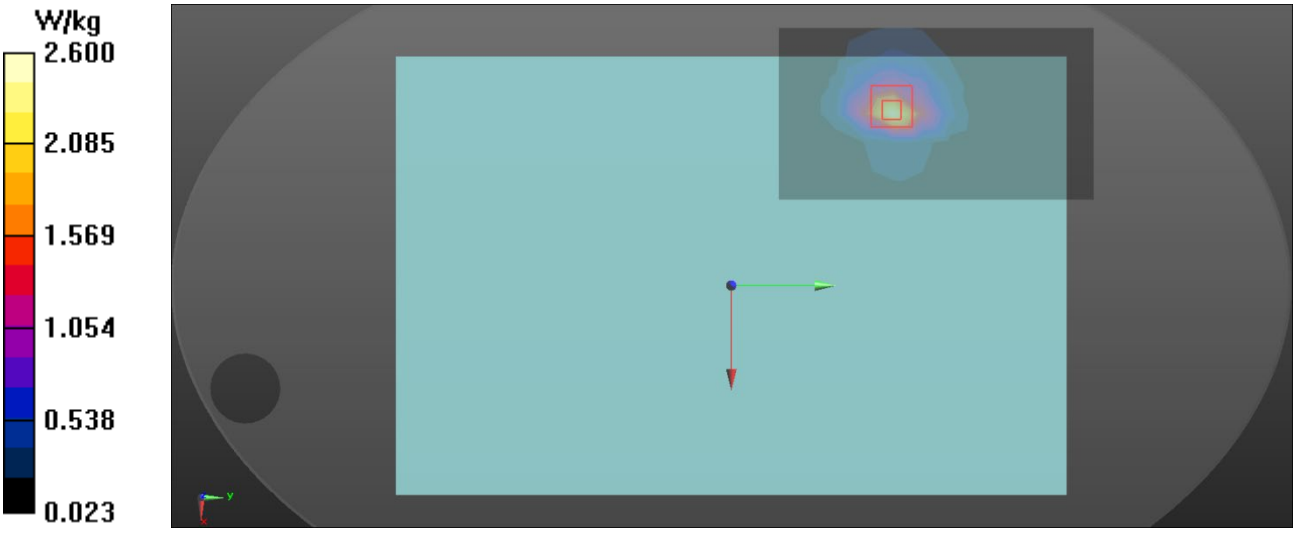
**W33_802.11ax HE80_CH155_Back of Keyboard_0cm_Ant B**

**DUT: Notebook;**

Communication System: UID 0, IEEE 802.11ax (0);
Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5775 MHz; $\sigma$ = 5.37 S/m; $\varepsilon_r$ = 34.711; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.4 ℃

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 Sn760; Calibrated: 2021/10/26
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (11x18x1):** Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.58 W/kg

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 4.96 W/kg
**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.415 W/kg**
Maximum value of SAR (measured) = 2.60 W/kg