

Test Laboratory: BTL Inc.

Date: 2021/5/29

W06_802.11b_CH6_Back of Keyboard_0cm_Ant MAIN

DUT: Notebook;

Communication System: UID 10575 - AAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle);
Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.781$ S/m; $\epsilon_r = 39.808$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.56, 7.56, 7.56) @ 2437 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.913 W/kg

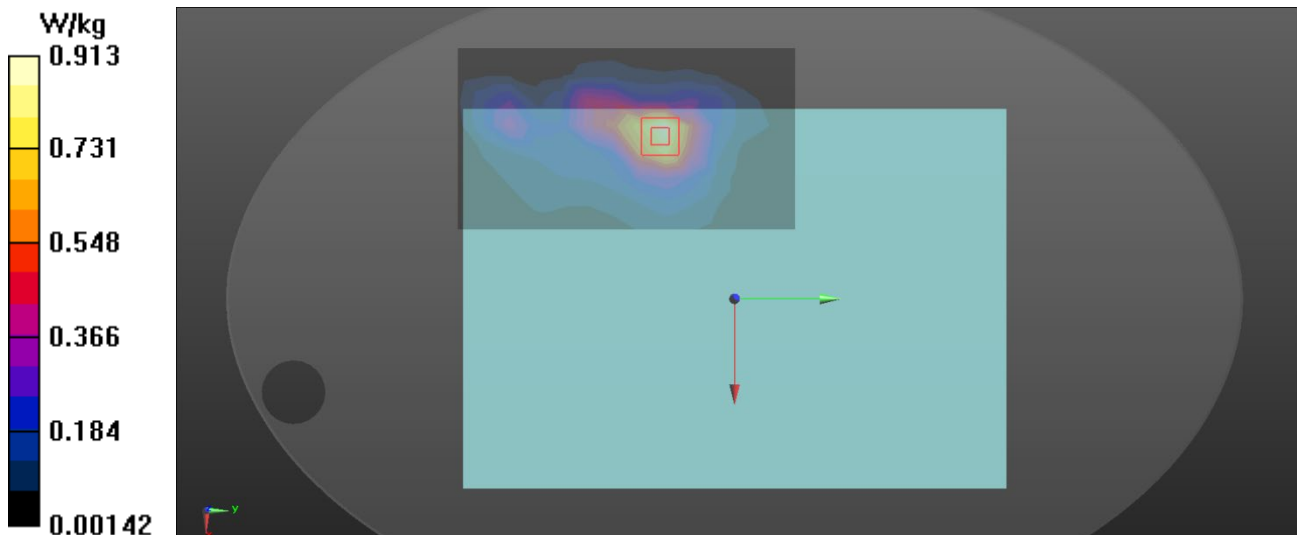
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 1.379 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.651 W/kg; SAR(10 g) = 0.324 W/kg

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



Test Laboratory: BTL Inc.

Date: 2021/5/29

W19_802.11b_CH11_Back of Keyboard_0cm_Ant AUX

DUT: Notebook;

Communication System: UID 10575 - AAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle);

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.809$ S/m; $\epsilon_r = 39.71$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.56, 7.56, 7.56) @ 2462 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

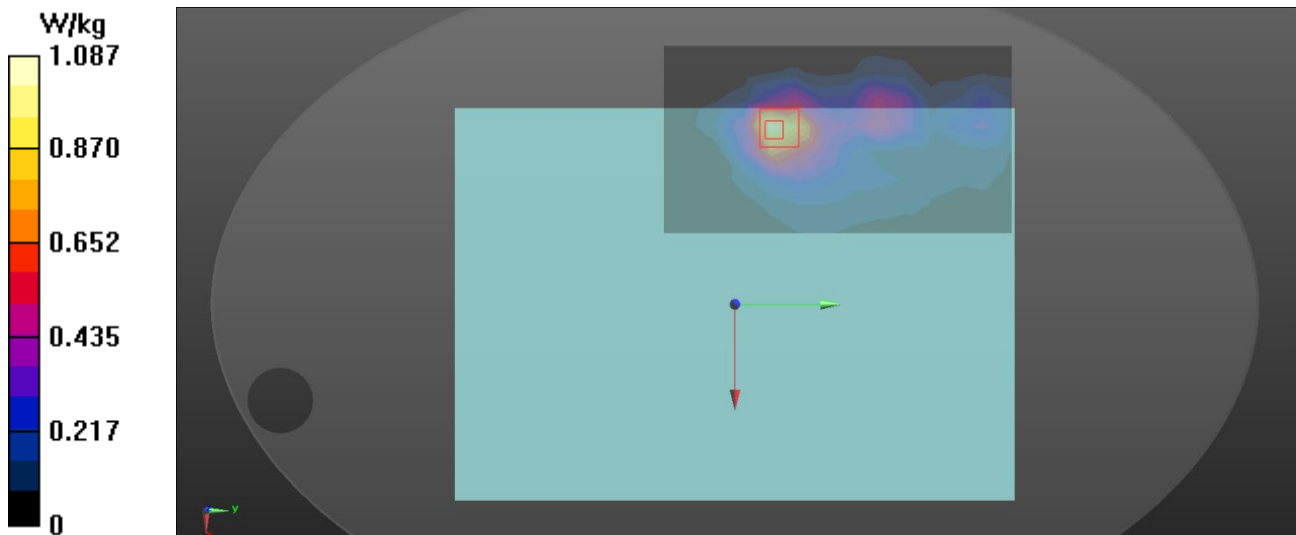
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.340 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



Test Laboratory: BTL Inc.

Date: 2021/6/4

B12_BT DH5_CH78_Back of Keyboard_0cm_Ant AUX

DUT: Notebook;

Communication System: UID 0, Bluetooth (0);

Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.858$ S/m; $\epsilon_r = 39.859$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2°C; Liquid Temperature: 22.2°C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.56, 7.56, 7.56) @ 2480 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x18x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.110 W/kg

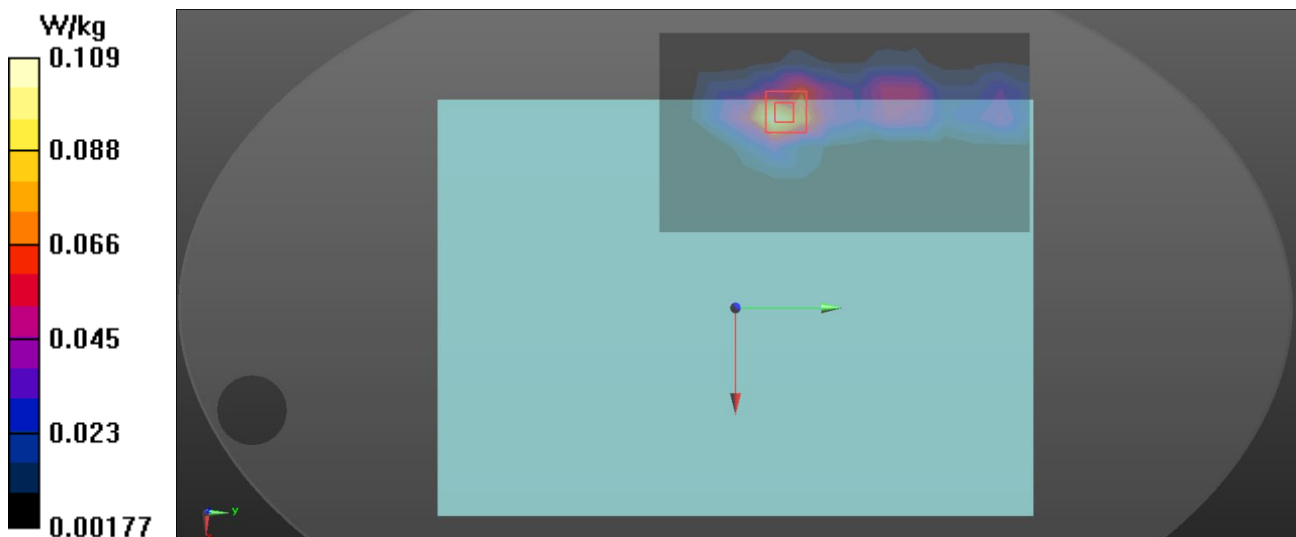
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 0.137 W/kg

SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.034 W/kg

Maximum value of SAR (measured) = 0.109 W/kg



Test Laboratory: BTL Inc.

Date: 2021/6/4

B25_BT BLE_CH39_Back of Keyboard_0cm_Ant AUX

DUT: Notebook;

Communication System: UID 0, Bluetooth (0);

Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.858$ S/m; $\epsilon_r = 39.859$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.2°C; Liquid Temperature: 22.2°C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.56, 7.56, 7.56) @ 2480 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x19x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.123 W/kg

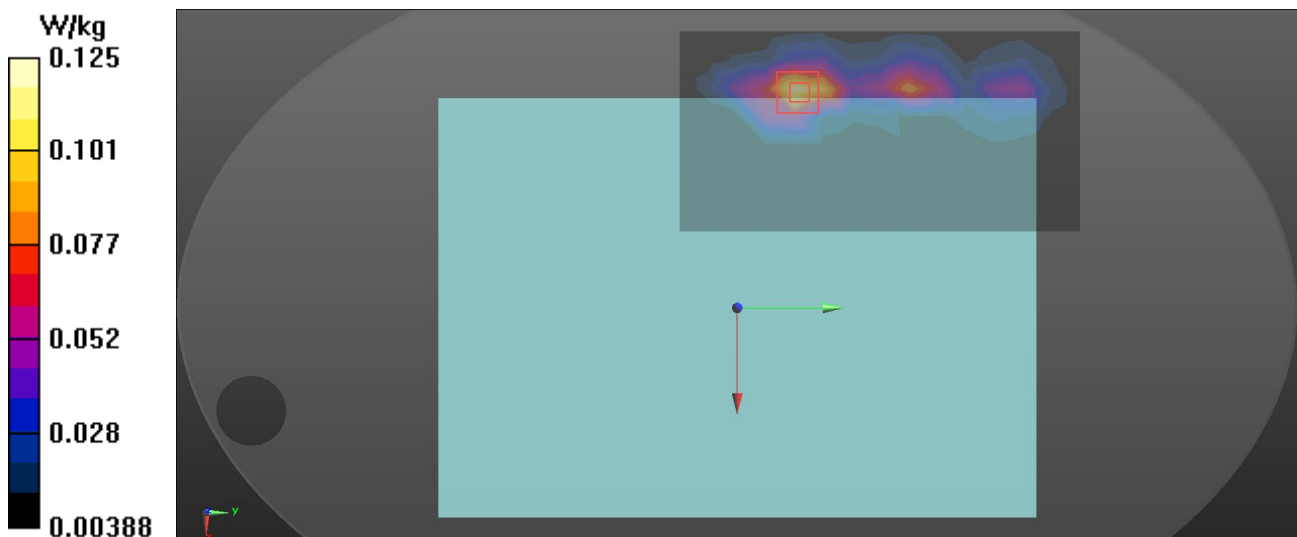
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 0.160 W/kg

SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.040 W/kg

Maximum value of SAR (measured) = 0.125 W/kg



Test Laboratory: BTL Inc.

Date: 2021/5/30

W28_802.11a_CH60_Back of Keyboard_0cm_Ant MAIN

DUT: Notebook;

Communication System: UID 10317 - AAC, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle);

Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5300$ MHz; $\sigma = 4.913$ S/m; $\epsilon_r = 35.827$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °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: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.35 W/kg

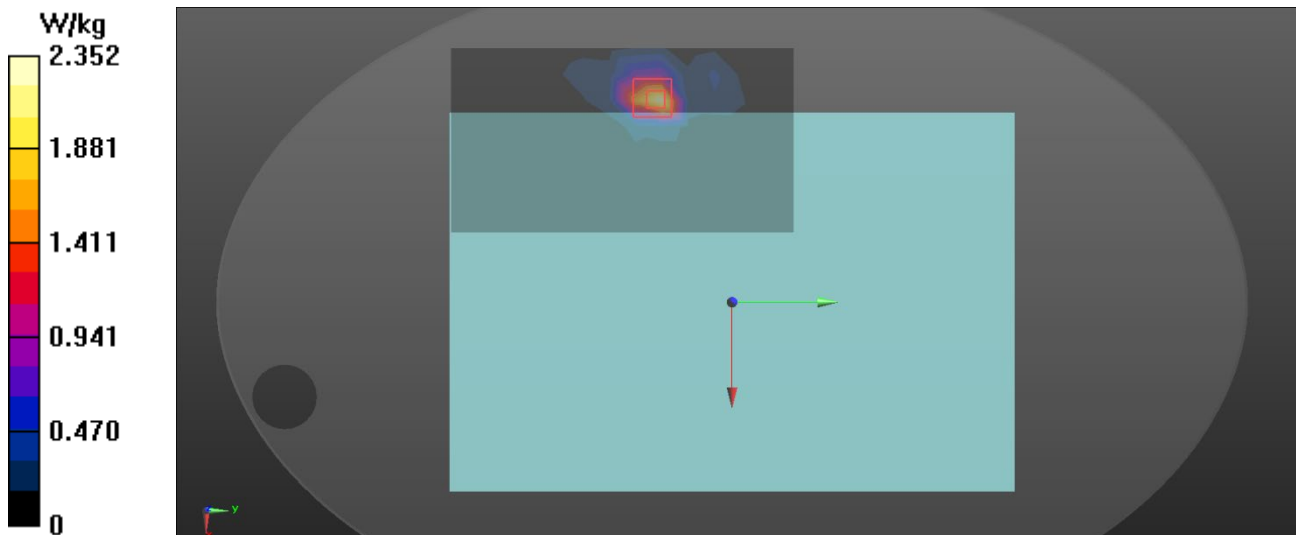
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 4.14 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.402 W/kg

Maximum value of SAR (measured) = 2.50 W/kg



Test Laboratory: BTL Inc.

Date: 2021/5/30

W43_802.11a_CH52_Back of Keyboard_0cm_Ant AUX

DUT: Notebook;

Communication System: UID 10317 - AAC, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle);

Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 4.866 \text{ S/m}$; $\epsilon_r = 35.914$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $23.3 \text{ }^\circ\text{C}$; Liquid Temperature: $22.4 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(5.25, 5.25, 5.25) @ 5260 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

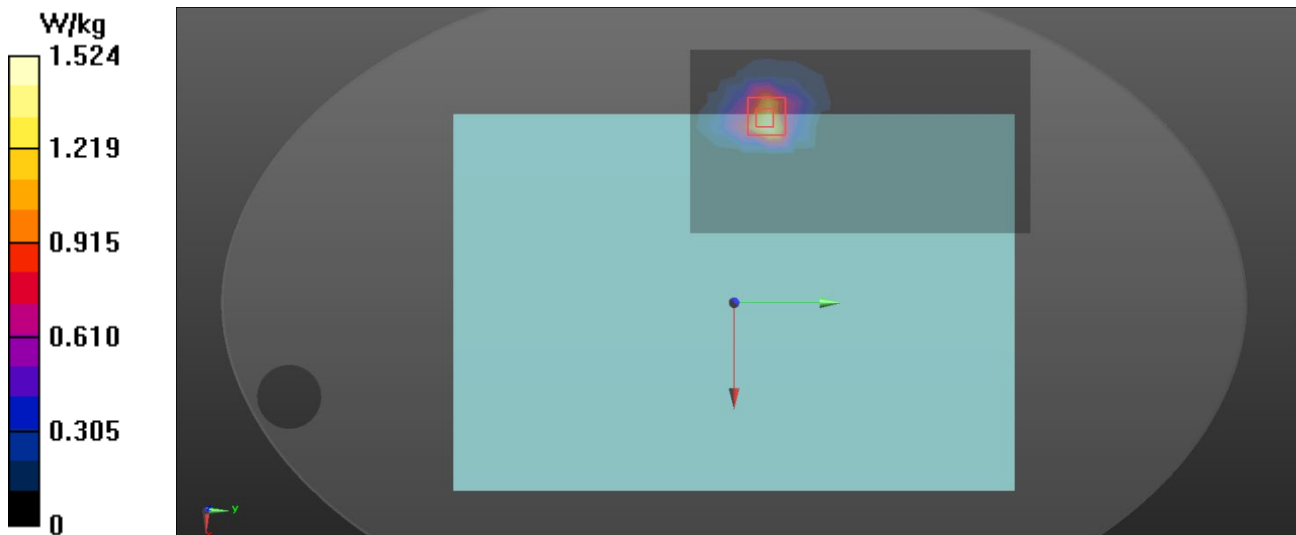
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

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

Peak SAR (extrapolated) = 3.62 W/kg

SAR(1 g) = 0.947 W/kg ; SAR(10 g) = 0.326 W/kg

Maximum value of SAR (measured) = 2.15 W/kg



Test Laboratory: BTL Inc.

Date: 2021/5/30

W54_802.11a_CH116_Back of Keyboard_0cm_Ant MAIN

DUT: Notebook;

Communication System: UID 10317 - AAC, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle);

Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580$ MHz; $\sigma = 5.25$ S/m; $\epsilon_r = 35.148$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.82, 4.82, 4.82) @ 5580 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.17 W/kg

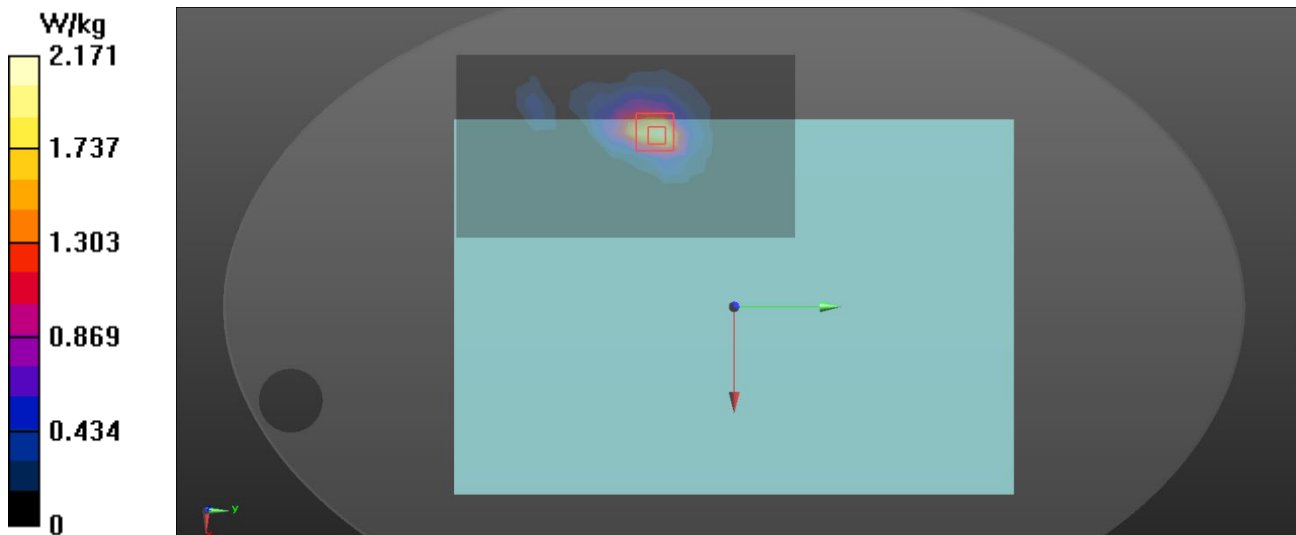
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

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

Peak SAR (extrapolated) = 4.30 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.393 W/kg

Maximum value of SAR (measured) = 2.34 W/kg



Test Laboratory: BTL Inc.

Date: 2021/5/30

W73_802.11a_CH116_Back of Keyboard_0cm_Ant AUX

DUT: Notebook;

Communication System: UID 10317 - AAC, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle);

Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580 \text{ MHz}$; $\sigma = 5.25 \text{ S/m}$; $\epsilon_r = 35.148$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $23.3 \text{ }^\circ\text{C}$; Liquid Temperature: $22.4 \text{ }^\circ\text{C}$

DASY Configuration:

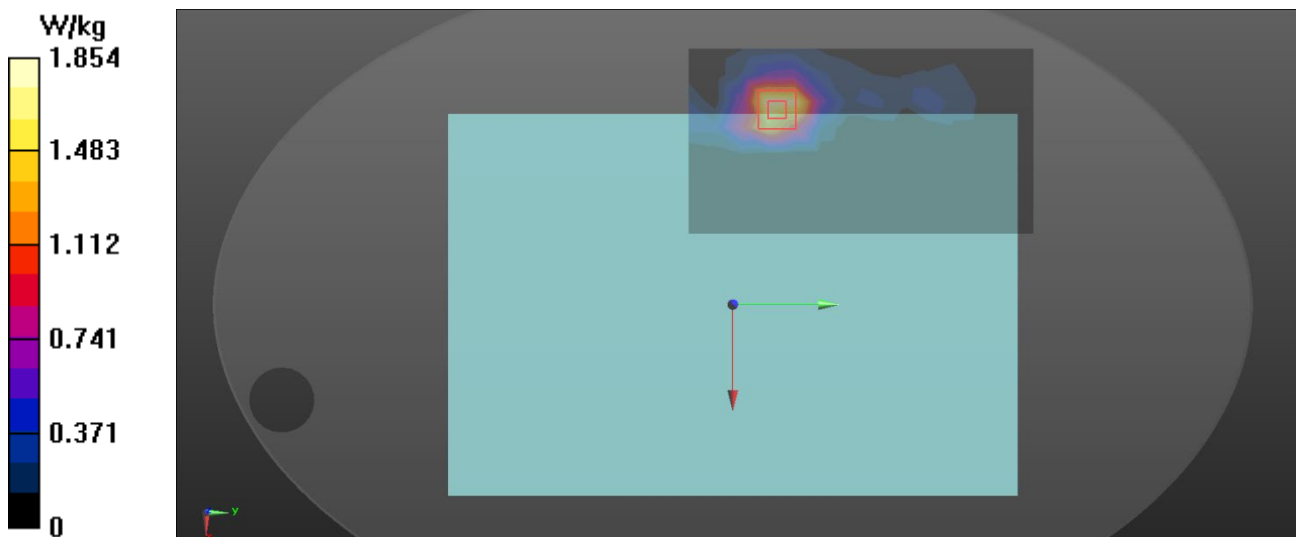
- Probe: EX3DV4 - SN7544; ConvF(4.82, 4.82, 4.82) @ 5580 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.85 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) = 3.83 W/kg
SAR(1 g) = 1.01 W/kg ; SAR(10 g) = 0.406 W/kg

Maximum value of SAR (measured) = 2.15 W/kg


Test Laboratory: BTL Inc.

Date: 2021/5/30

W80_802.11a_CH157_Back of Keyboard_0cm_Ant MAIN

DUT: Notebook;

Communication System: UID 10317 - AAC, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle);

Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 5.499$ S/m; $\epsilon_r = 34.637$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.8, 4.8, 4.8) @ 5785 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

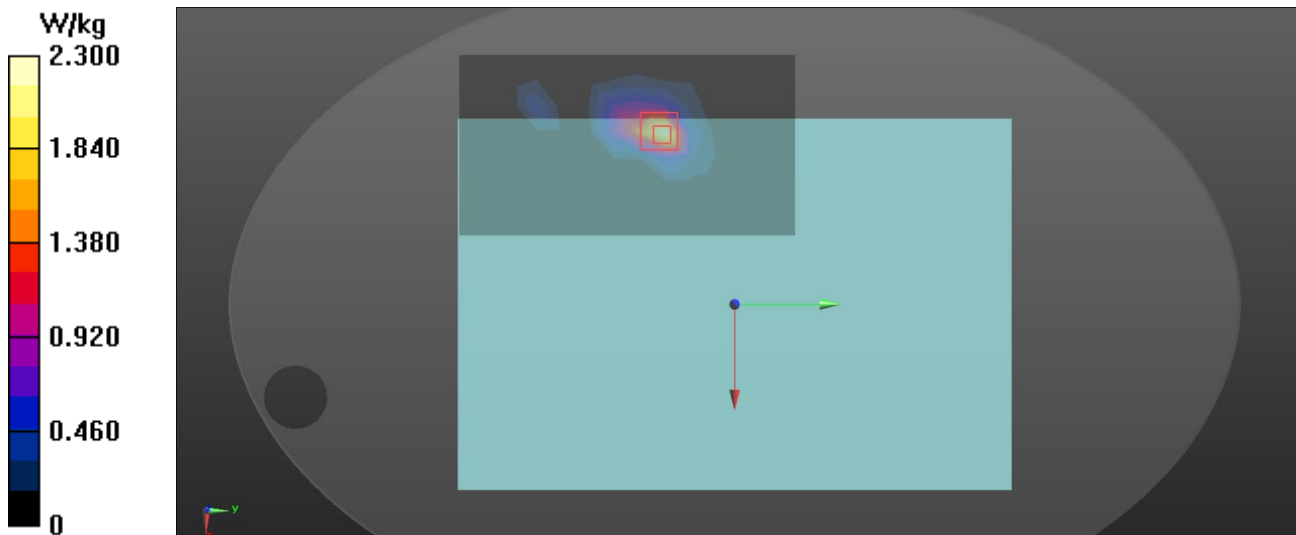
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 4.47 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.377 W/kg

Maximum value of SAR (measured) = 2.28 W/kg



Test Laboratory: BTL Inc.

Date: 2021/5/30

W99_802.11a_CH149_Back of Keyboard_0cm_Ant AUX

DUT: Notebook;

Communication System: UID 10317 - AAC, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle);

Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.454$ S/m; $\epsilon_r = 34.722$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.8, 4.8, 4.8) @ 5745 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.08 W/kg

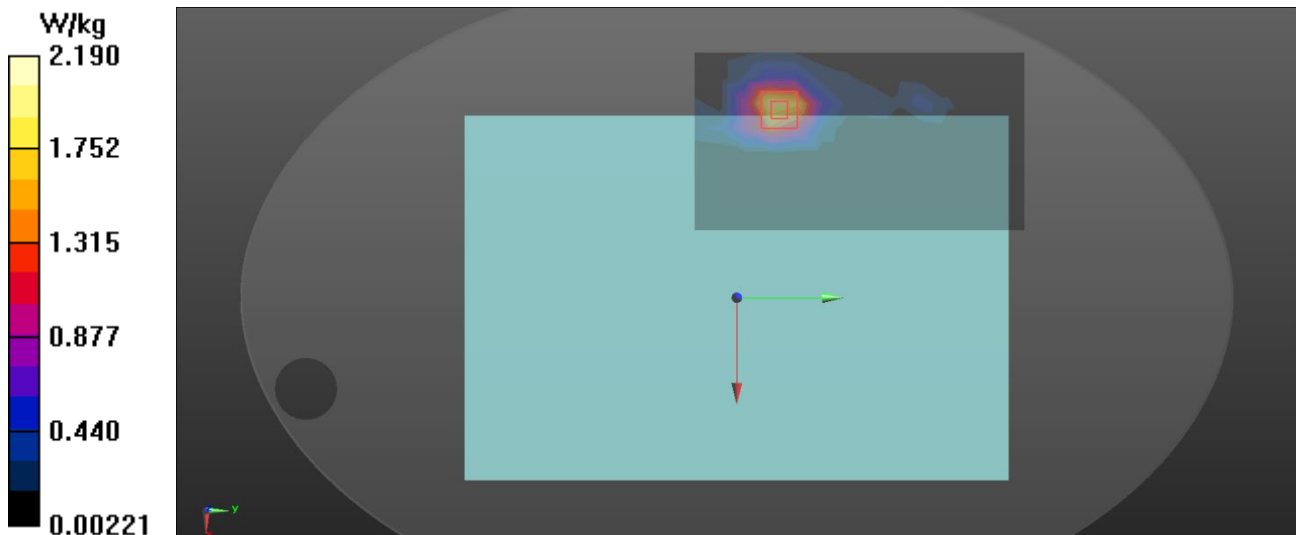
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 4.17 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.417 W/kg

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



Test Laboratory: BTL Inc.

Date: 2021/6/2

W106_802.11a_CH52_Back of Keyboard_0cm_Ant MAIN+AUX

DUT: Notebook;

Communication System: UID 10317 - AAC, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle);

Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 4.791 \text{ S/m}$; $\epsilon_r = 35.549$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $23.1 \text{ }^\circ\text{C}$; Liquid Temperature: $22.3 \text{ }^\circ\text{C}$

DASY Configuration:

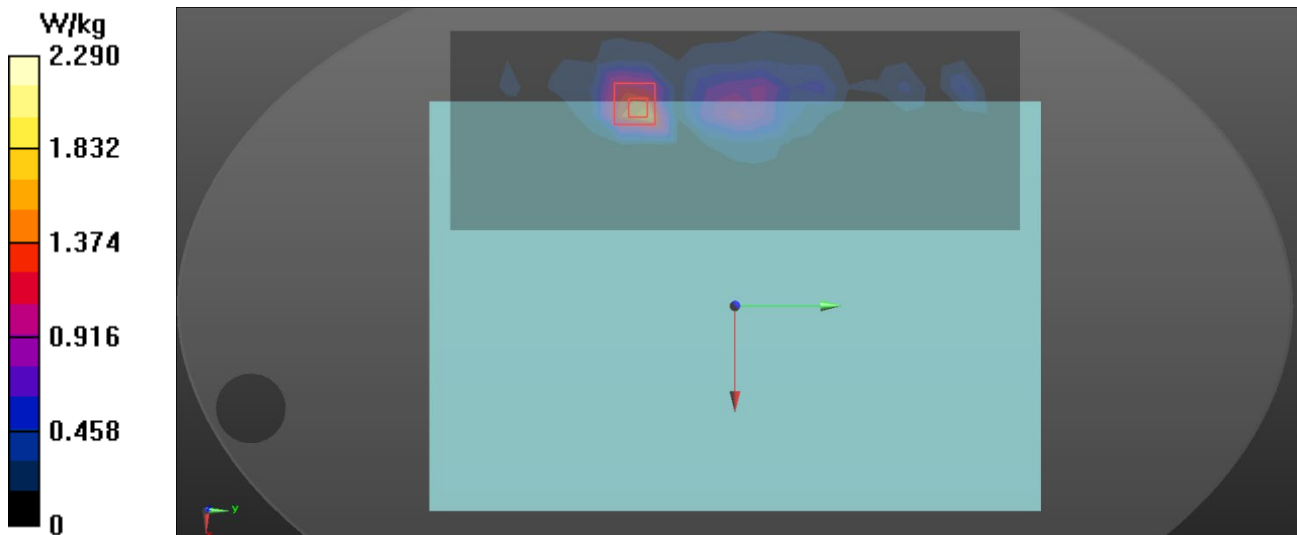
- Probe: EX3DV4 - SN7544; ConvF(5.25, 5.25, 5.25) @ 5260 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x32x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.68 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 = 0.01 dB

Peak SAR (extrapolated) = 3.76 W/kg
SAR(1 g) = 1.01 W/kg ; SAR(10 g) = 0.365 W/kg

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


Test Laboratory: BTL Inc.

Date: 2021/6/2

W119_802.11a_CH116_Back of Keyboard_0cm_Ant MAIN+AUX

DUT: Notebook;

Communication System: UID 10317 - AAC, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle);

Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580 \text{ MHz}$; $\sigma = 5.171 \text{ S/m}$; $\epsilon_r = 34.783$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $23.1 \text{ }^\circ\text{C}$; Liquid Temperature: $22.3 \text{ }^\circ\text{C}$

DASY Configuration:

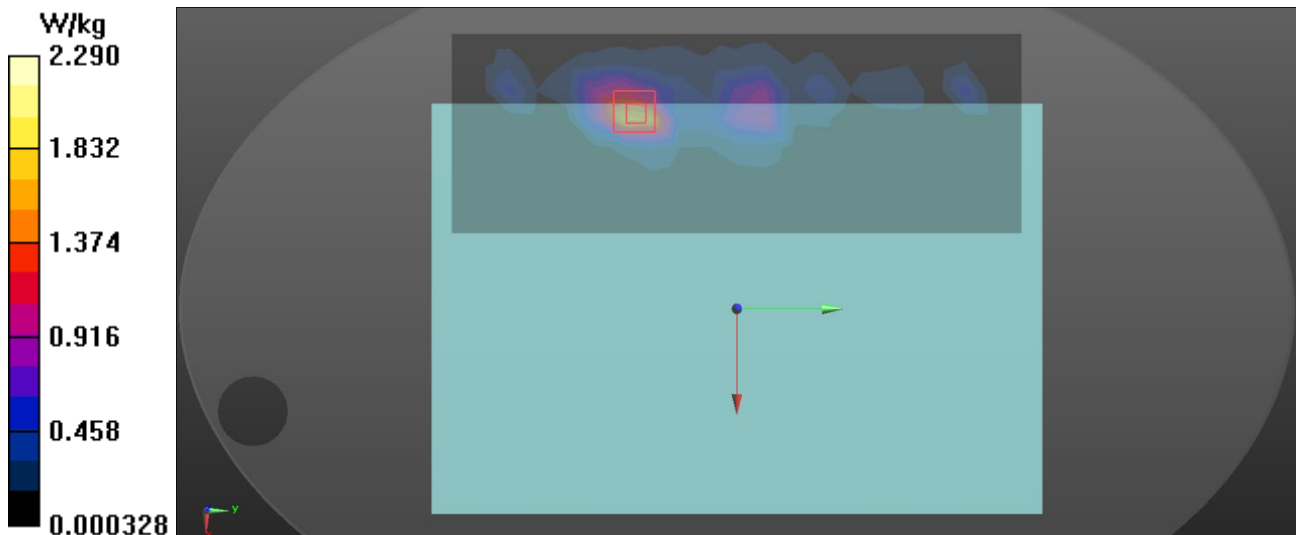
- Probe: EX3DV4 - SN7544; ConvF(4.82, 4.82, 4.82) @ 5580 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x32x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.75 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) = 3.99 W/kg
SAR(1 g) = 0.974 W/kg ; SAR(10 g) = 0.353 W/kg

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


Test Laboratory: BTL Inc.

Date: 2021/6/2

W142_802.11a_CH157_Back of Keyboard_0cm_Ant MAIN+AUX

DUT: Notebook;

Communication System: UID 10317 - AAC, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle);

Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5785 \text{ MHz}$; $\sigma = 5.417 \text{ S/m}$; $\epsilon_r = 34.272$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $23.1 \text{ }^\circ\text{C}$; Liquid Temperature: $22.3 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.8, 4.8, 4.8) @ 5785 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x32x1): 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 = 0.5170 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.39 W/kg
SAR(1 g) = 1.02 W/kg ; SAR(10 g) = 0.423 W/kg

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