

Test Laboratory: BTL Inc.

Date: 2024/11/1

W10_802.11ax HE40_CH6_Left Side_Open 90°_Ant 1_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10707 - AAA, IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle);

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437 \text{ MHz}$; $\sigma = 1.808 \text{ S/m}$; $\epsilon_r = 39.685$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $23.2 \text{ }^\circ\text{C}$; Liquid Temperature: $22.5 \text{ }^\circ\text{C}$

DASY Configuration:

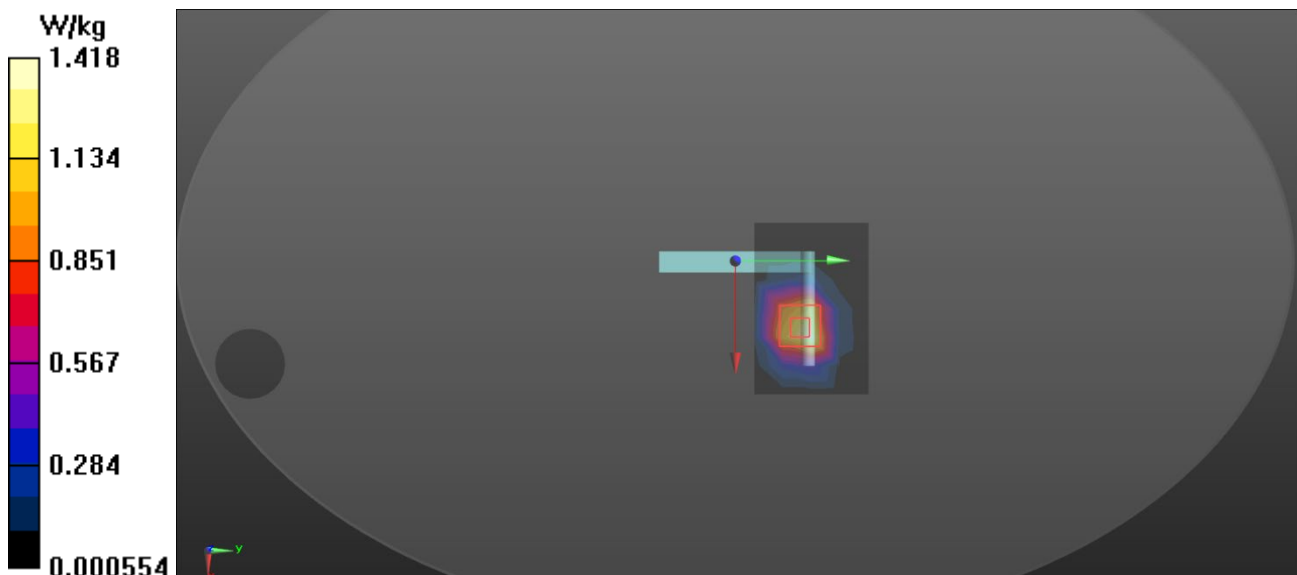
- Probe: EX3DV4-SN7544; ConvF(7.51, 7.27, 7.34) @ 2437 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x6x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 1.42 W/kg
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.025 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.39 W/kg
SAR(1 g) = 1.35 W/kg ; SAR(10 g) = 0.684 W/kg

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


Test Laboratory: BTL Inc.

Date: 2024/11/1

W21_802.11g_CH6_Right Side_Open 180°_ANT 2_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10418 - AAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.808$ S/m; $\epsilon_r = 39.685$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4-SN7544; ConvF(7.51, 7.27, 7.34) @ 2437 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (5x14x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.87 W/kg

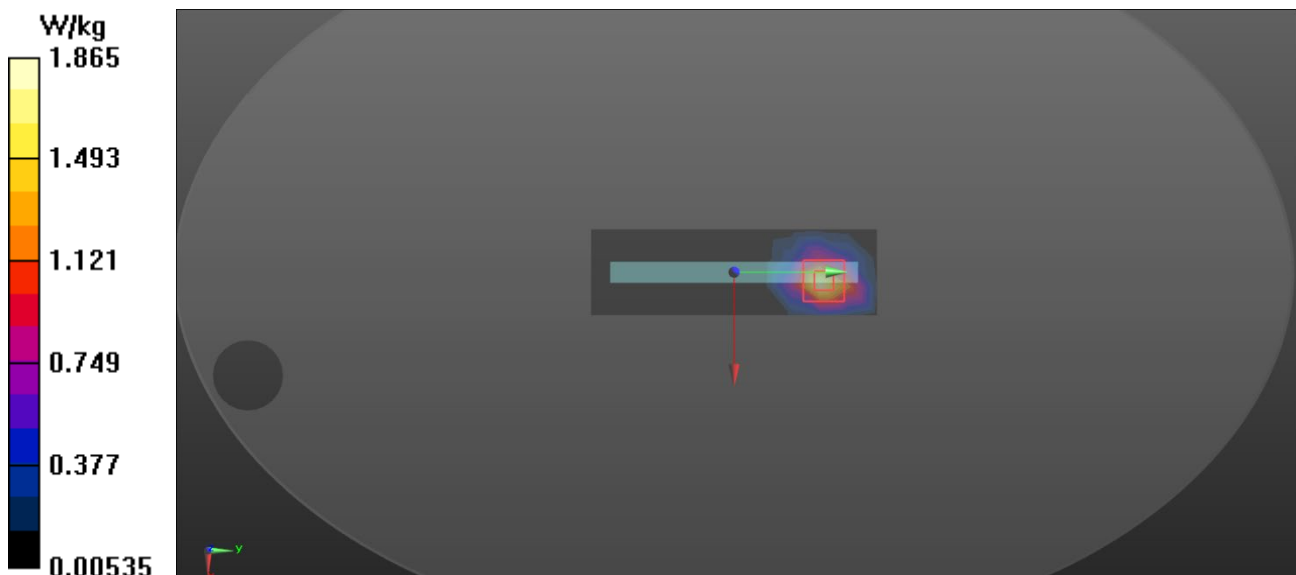
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.067 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.39 W/kg

SAR(1 g) = 1.36 W/kg; SAR(10 g) = 0.688 W/kg

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



Test Laboratory: BTL Inc.

Date: 2024/11/1

W38_802.11b_CH11_Left Side_Open 90°_Ant 1+2_5mm**DUT: Wireless USB Adapter;**

Communication System: UID 10415 - AAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle);

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.834$ S/m; $\epsilon_r = 39.593$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4-SN7544; ConvF(7.51, 7.27, 7.34) @ 2462 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x6x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.69 W/kg

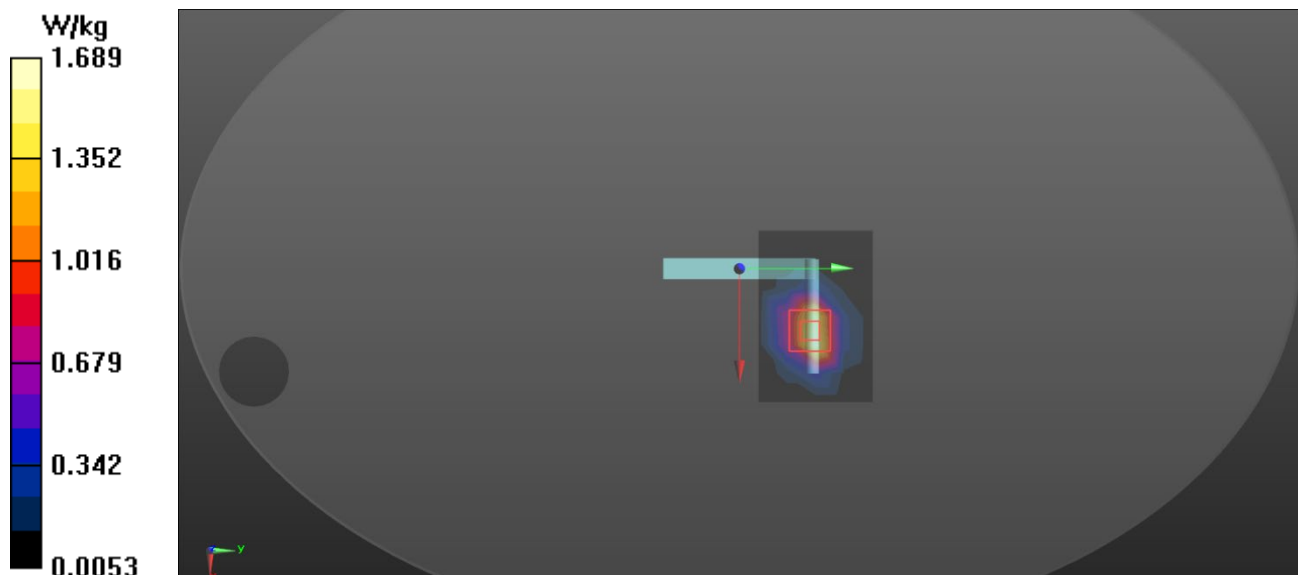
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.526 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.38 W/kg

SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.679 W/kg

Maximum value of SAR (measured) = 2.03 W/kg



Test Laboratory: BTL Inc.

Date: 2024/10/21

W42_802.11ax HE20_CH36_Left Side_Close 0°_Ant 1_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10683 - AAA, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle);

Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.728 \text{ S/m}$; $\epsilon_r = 36.085$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.9 \text{ }^\circ\text{C}$; Liquid Temperature: $22.3 \text{ }^\circ\text{C}$

DASY Configuration:

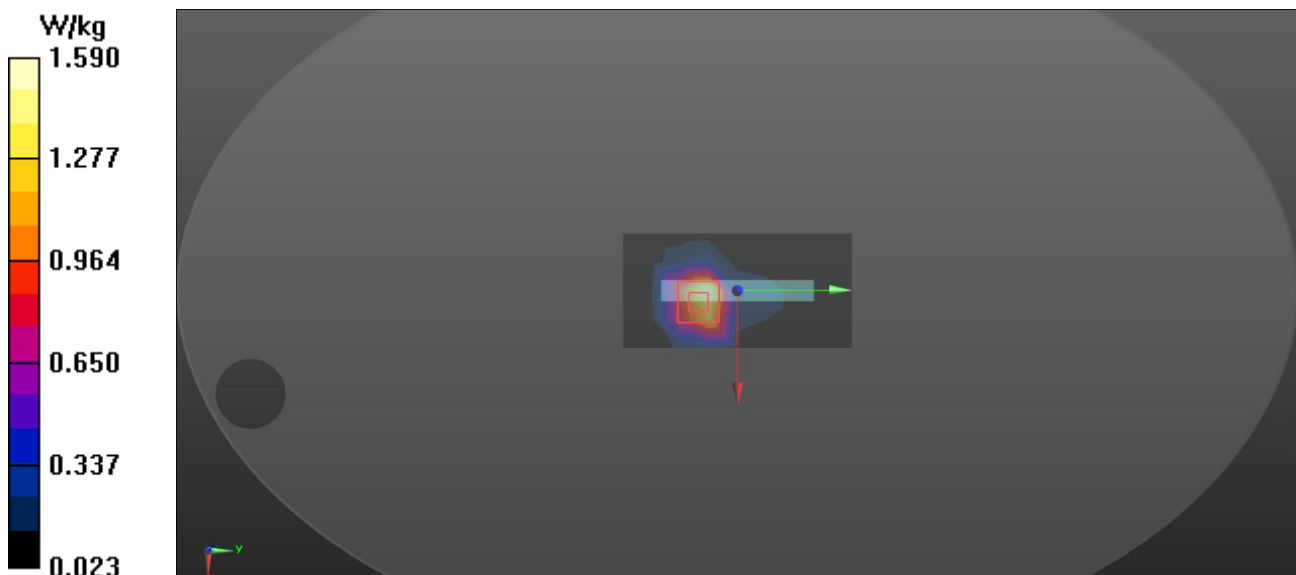
- Probe: EX3DV4-SN7544; ConvF(5.48, 5.36, 5.39) @ 5180 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x14x1): Measurement grid: $dx=10\text{m}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.59 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 7.754 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.38 W/kg
SAR(1 g) = 1.19 W/kg ; SAR(10 g) = 0.398 W/kg

Maximum value of SAR (measured) = 2.89 W/kg


Test Laboratory: BTL Inc.

Date: 2024/10/21

W54_802.11ac VHT20_CH40_Right Side_Close 0°_ANT 2_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10525 - AAB, IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle);

Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.748$ S/m; $\epsilon_r = 36.039$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe:EX3DV4-SN7544; ConvF(5.48, 5.36, 5.39) @ 5200 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x15x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

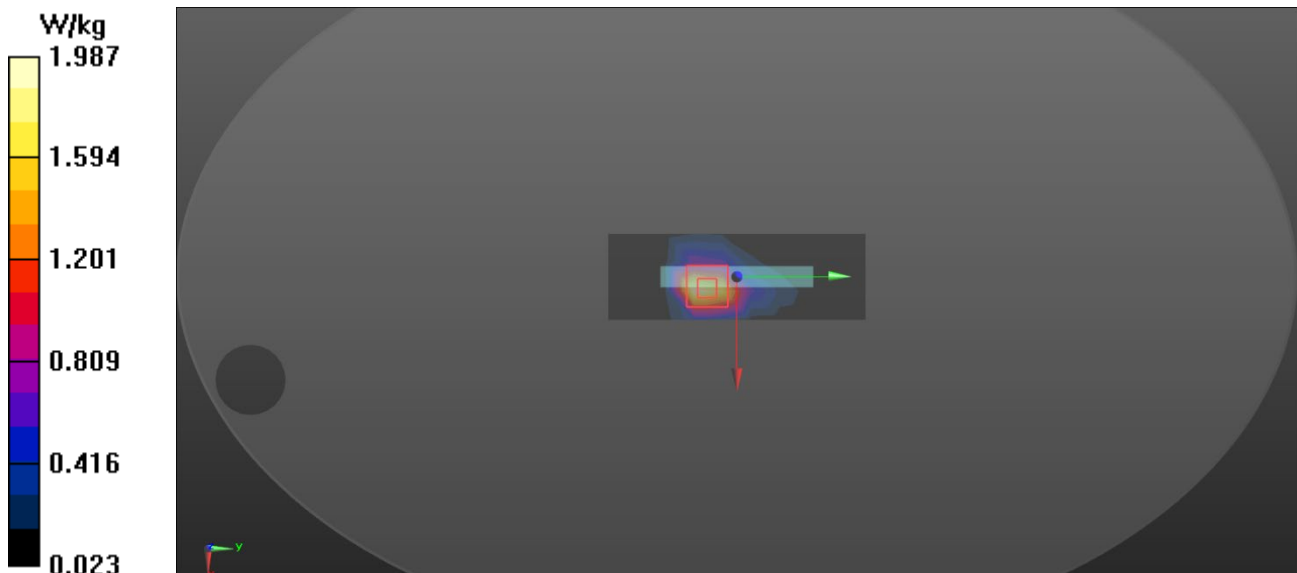
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 10.51 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.34 W/kg

SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.430 W/kg

Maximum value of SAR (measured) = 3.49 W/kg



Test Laboratory: BTL Inc.

Date: 2024/10/21

W70_802.11ac VHT20_CH48_Left Side_Close 0°_ANT 1+2_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10525 - AAB, IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle);

Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 4.772 \text{ S/m}$; $\epsilon_r = 35.87$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.9 \text{ }^\circ\text{C}$; Liquid Temperature: $22.3 \text{ }^\circ\text{C}$

DASY Configuration:

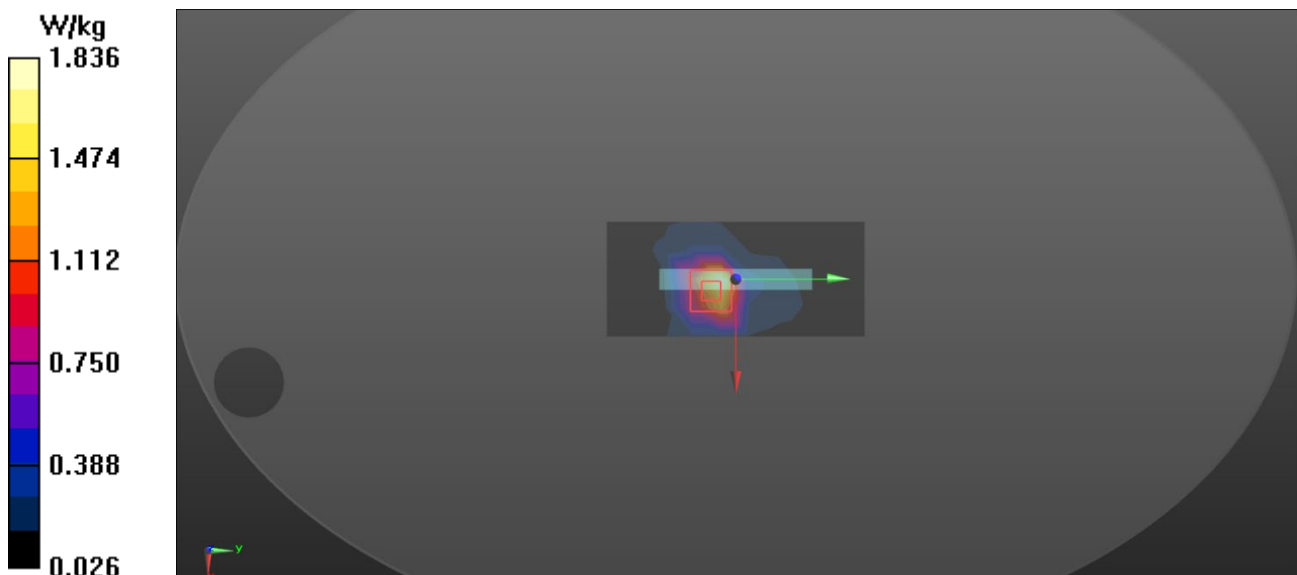
- Probe: EX3DV4-SN7544; ConvF(5.48, 5.36, 5.39) @ 5240 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.84 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 10.73 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 7.04 W/kg
SAR(1 g) = 1.41 W/kg ; SAR(10 g) = 0.435 W/kg

Maximum value of SAR (measured) = 3.63 W/kg


Test Laboratory: BTL Inc.

Date: 2024/10/21

W81_802.11ac VHT40_CH54_Left Side_Close 0°_ANT 1_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10707 - AAA, IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle);

Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270$ MHz; $\sigma = 4.801$ S/m; $\epsilon_r = 35.706$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9 °C; Liquid Temperature: 22.3 °C

DASY Configuration:

- Probe: EX3DV4-SN7544; ConvF(5.48, 5.36, 5.39) @ 5270 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x14x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

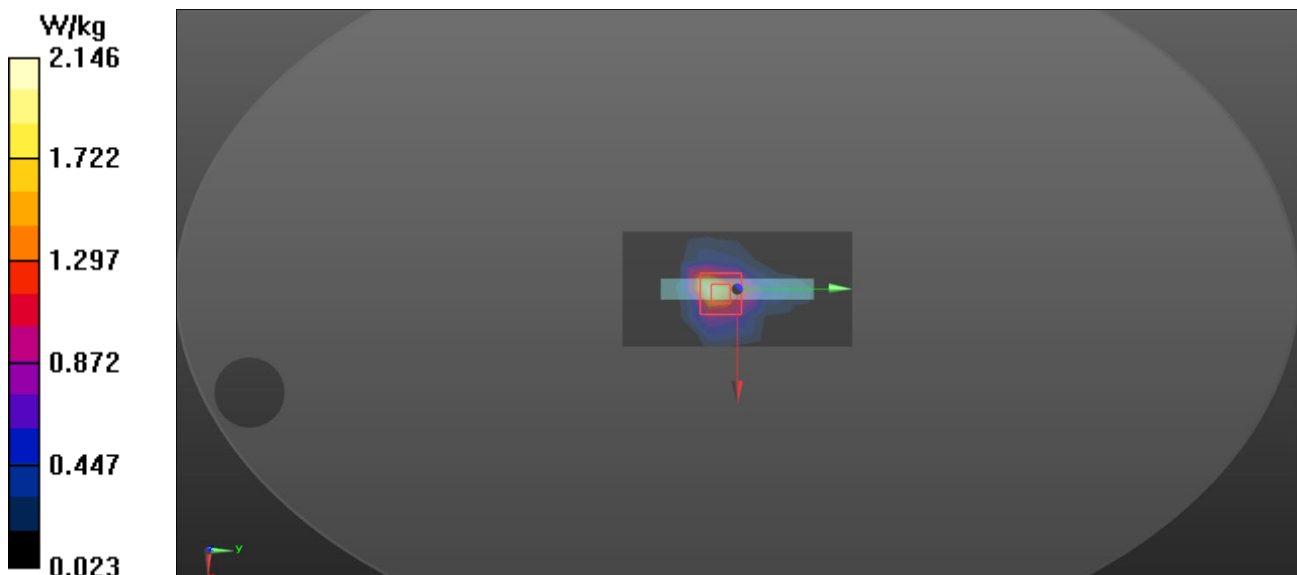
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 18.24 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 6.63 W/kg

SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.426 W/kg

Maximum value of SAR (measured) = 3.31 W/kg



Test Laboratory: BTL Inc.

Date: 2024/10/21

W91_802.11ax HE40_CH54_Right Side_Close 0°_ANT 2_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10707 - AAA, IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle);

Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270 \text{ MHz}$; $\sigma = 4.801 \text{ S/m}$; $\epsilon_r = 35.706$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.9 \text{ }^\circ\text{C}$; Liquid Temperature: $22.3 \text{ }^\circ\text{C}$

DASY Configuration:

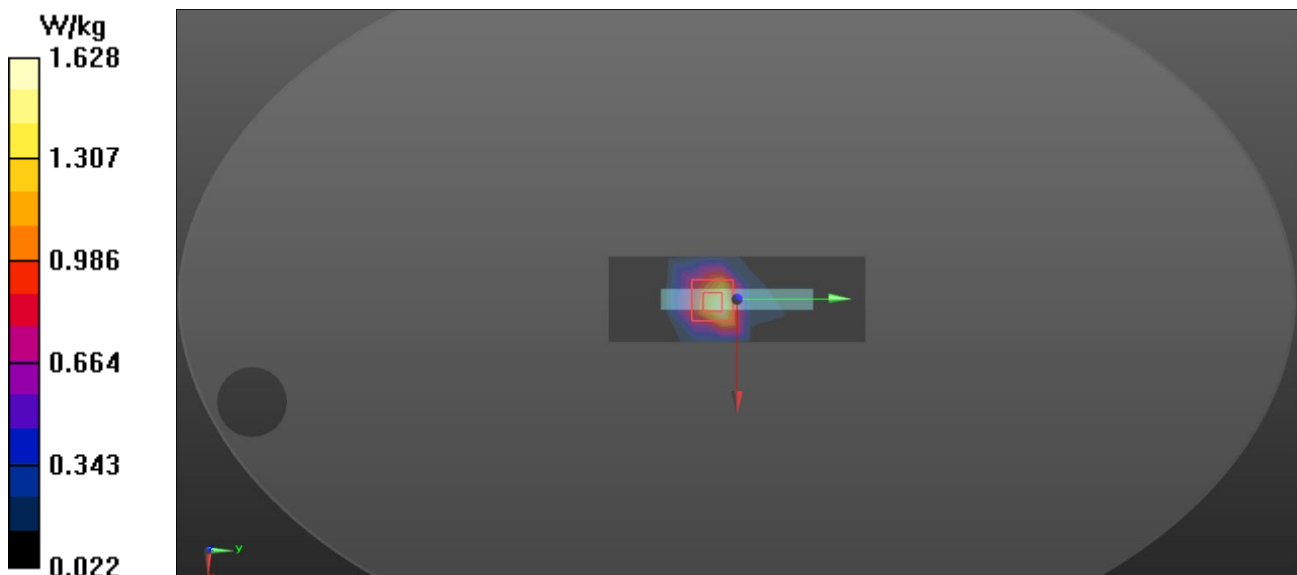
- Probe: EX3DV4-SN7544; ConvF(5.48, 5.36, 5.39) @ 5270 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.63 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 11.89 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.92 W/kg
SAR(1 g) = 1.22 W/kg ; SAR(10 g) = 0.388 W/kg

Maximum value of SAR (measured) = 3.07 W/kg


Test Laboratory: BTL Inc.

Date: 2024/10/21

W96_802.11ac VHT40_CH62_Right Side_Close 0°_Ant 1+2_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10707 - AAA, IEEE 802.11ac (40MHz, MCS8, 99pc duty cycle);

Frequency: 5310 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5310 \text{ MHz}$; $\sigma = 4.852 \text{ S/m}$; $\epsilon_r = 35.565$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.9°C ; Liquid Temperature: 22.3°C

DASY Configuration:

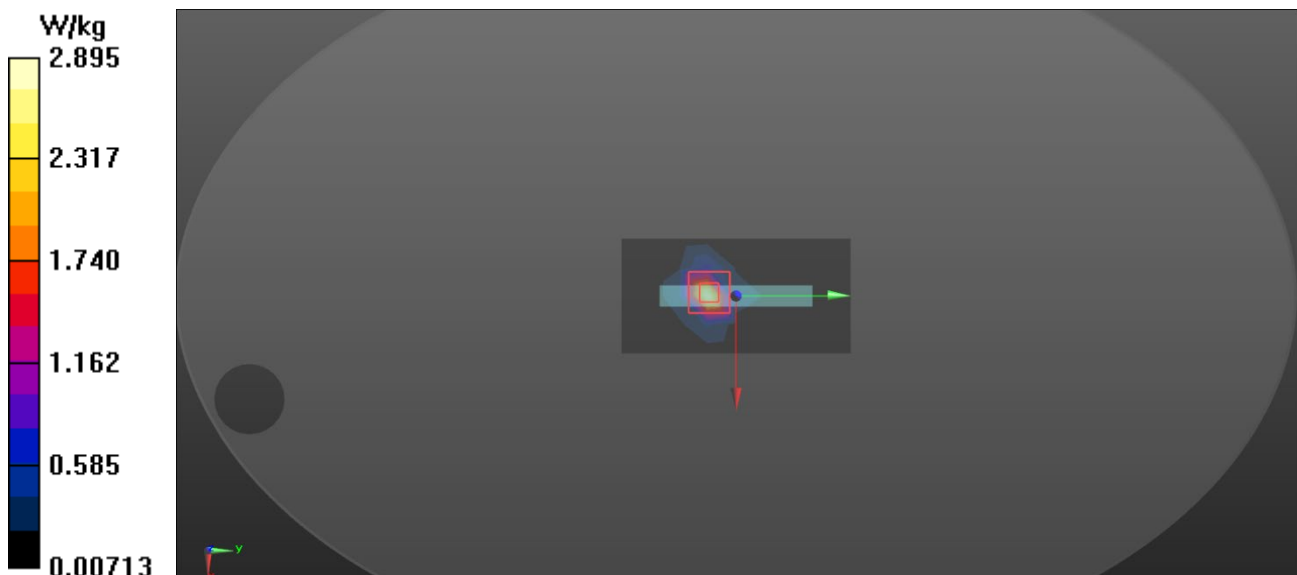
- Probe: EX3DV4-SN7544; ConvF(5.48, 5.36, 5.39) @ 5310 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn420; Calibrated: 2024/3/19
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.89 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 8.609 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.40 W/kg
SAR(1 g) = 1.34 W/kg ; SAR(10 g) = 0.432 W/kg

Maximum value of SAR (measured) = 2.91 W/kg


Test Laboratory: BTL Inc.

Date: 2024/10/22

W111_802.11ax HE80_CH106_Left Side_Close 0°_Ant 1_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10731 - AAA, IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle);

Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5530$ MHz; $\sigma = 5.141$ S/m; $\epsilon_r = 34.985$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe:EX3DV4-SN7544; ConvF(4.74, 4.48, 4.59) @ 5530 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x15x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.94 W/kg

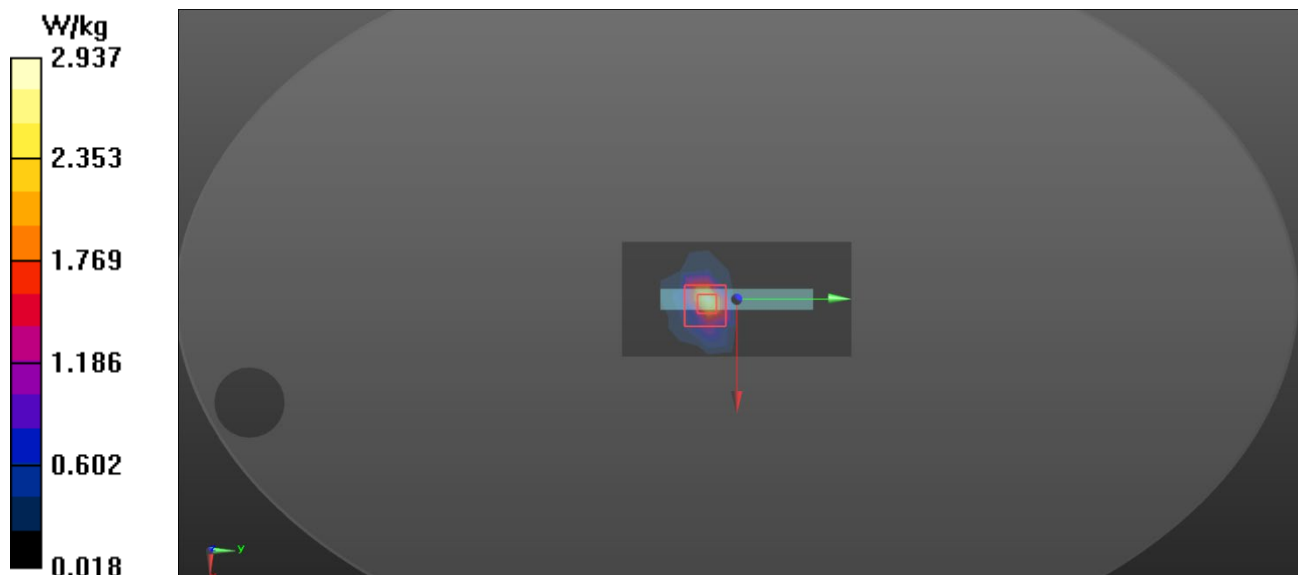
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 6.832 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 6.62 W/kg

SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.380 W/kg

Maximum value of SAR (measured) = 3.06 W/kg



Test Laboratory: BTL Inc.

Date: 2024/10/22

W116_802.11ax HE40_CH102_Right Side_Close 0°_Ant 2_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10707 - AAA, IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle);

Frequency: 5510 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5510 \text{ MHz}$; $\sigma = 5.111 \text{ S/m}$; $\epsilon_r = 35.042$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $23.1 \text{ }^\circ\text{C}$; Liquid Temperature: $22.6 \text{ }^\circ\text{C}$

DASY Configuration:

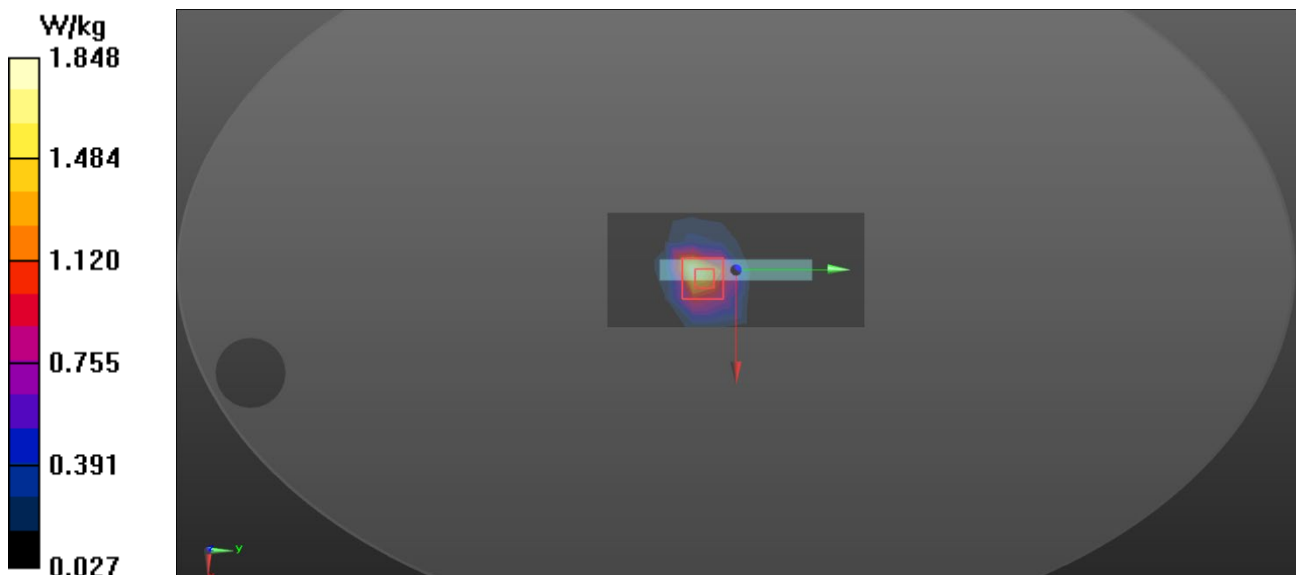
- Probe: EX3DV4-SN7544; ConvF(4.74, 4.48, 4.59) @ 5510 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x15x1): 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 = 6.468 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 7.09 W/kg
SAR(1 g) = 1.33 W/kg ; SAR(10 g) = 0.419 W/kg

Maximum value of SAR (measured) = 3.43 W/kg


Test Laboratory: BTL Inc.

Date: 2024/10/22

W126_802.11ax HE80_CH106_Left Side_Close 0°_Ant 1+2_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10731 - AAA, IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle);

Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5530$ MHz; $\sigma = 5.141$ S/m; $\epsilon_r = 34.985$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.1 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4-SN7544; ConvF(4.74, 4.48, 4.59) @ 5530 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x14x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.89 W/kg

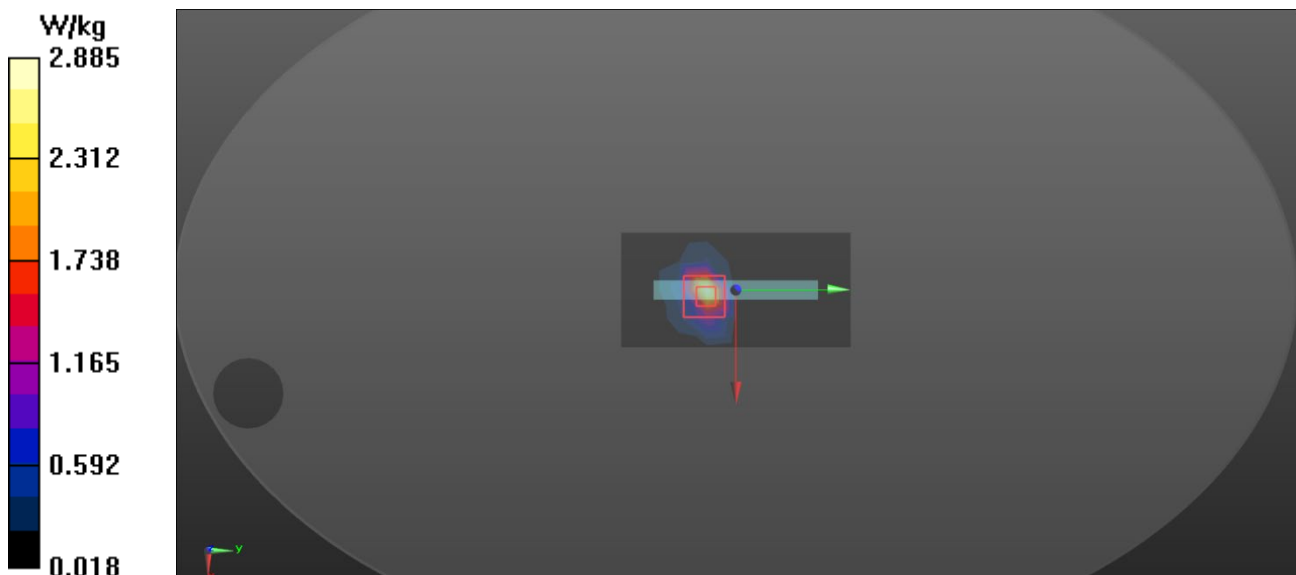
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 6.809 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 6.42 W/kg

SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.378 W/kg

Maximum value of SAR (measured) = 3.04 W/kg



Test Laboratory: BTL Inc.

Date: 2024/10/23

W142_802.11ax HE40_CH151_Left Side_Close 0°_Ant 1_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10707 - AAA, IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle);

Frequency: 5755 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5755 \text{ MHz}$; $\sigma = 5.415 \text{ S/m}$; $\epsilon_r = 34.545$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.8 \text{ }^\circ\text{C}$; Liquid Temperature: $22.1 \text{ }^\circ\text{C}$

DASY Configuration:

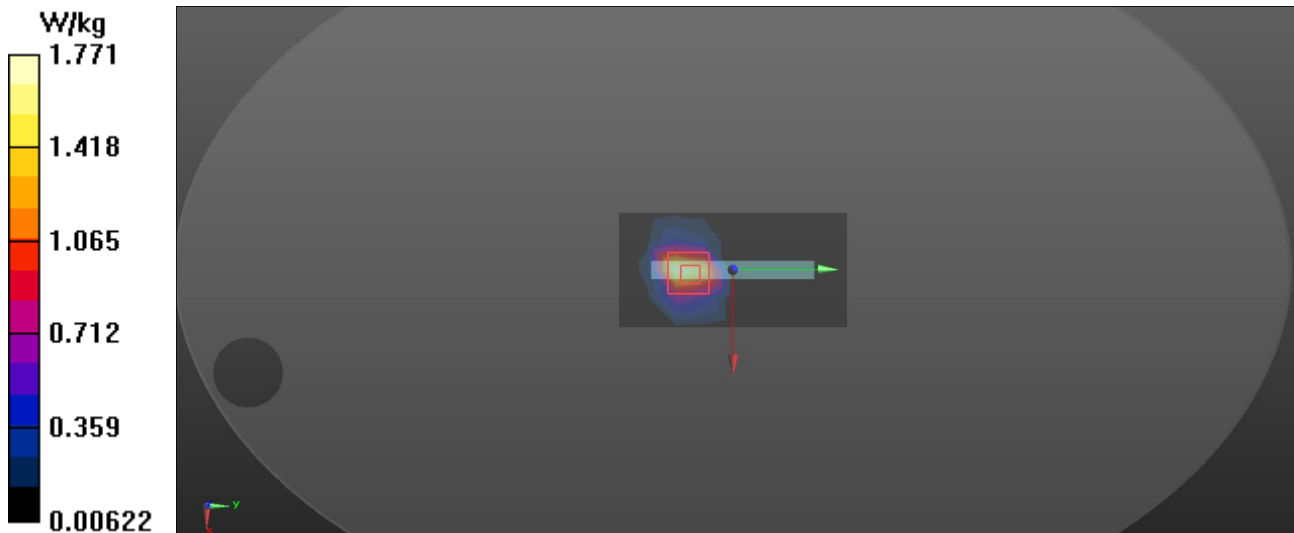
- Probe: EX3DV4-SN7544; ConvF(4.96, 4.67, 4.8) @ 5755 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$.

Maximum value of SAR (measured) = 1.77 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.958 V/m ; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 6.74 W/kg
SAR(1 g) = 1.23 W/kg ; SAR(10 g) = 0.357 W/kg

Maximum value of SAR (measured) = 3.38 W/kg


Test Laboratory: BTL Inc.

Date: 2024/10/23

W147_802.11ac VHT20_CH165_Right Side_Close 0°_Ant 2_5mm

DUT: Wireless USB Adapter;

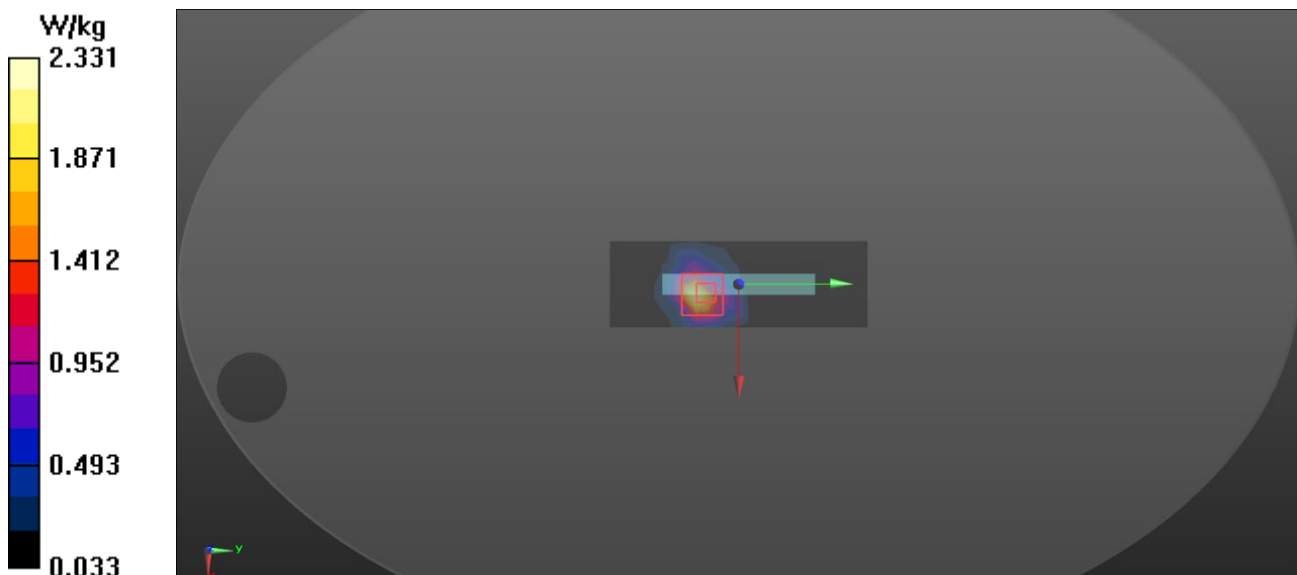
Communication System: UID 10525 - AAB, IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle);
Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5825$ MHz; $\sigma = 5.459$ S/m; $\epsilon_r = 34.237$; $\rho = 1000$ kg/m³
Ambient Temperature: 22.8 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.96, 4.67, 4.8) @ 5825 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x15x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 2.33 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 4.344 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 6.98 W/kg
SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.399 W/kg
Maximum value of SAR (measured) = 3.32 W/kg



Test Laboratory: BTL Inc.

Date: 2024/10/23

W164_802.11ac VHT20_CH165_Left Side_ANT 1+2_5mm

DUT: Wireless USB Adapter;

Communication System: UID 10525 - AAB, IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle);
Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5825 \text{ MHz}$; $\sigma = 5.459 \text{ S/m}$; $\epsilon_r = 34.237$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature: $22.8 \text{ }^\circ\text{C}$; Liquid Temperature: $22.1 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4-SN7544; ConvF(4.96, 4.67, 4.8) @ 5825 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x14x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$.
Maximum value of SAR (measured) = 0.05 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$
Reference Value = 13.15 V/m ; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 8.20 W/kg
SAR(1 g) = 1.43 W/kg ; SAR(10 g) = 0.462 W/kg
Maximum value of SAR (measured) = 3.34 W/kg

