

Test Laboratory: BTL Inc.

Date: 2024/5/15

W06_802.11b_CH6_Horizontal Up_5mm**DUT: Dongle;**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.821$ S/m; $\epsilon_r = 39.679$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN7515; ConvF(7.45, 7.45, 7.45) @ 2437 MHz; Calibrated: 2023/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x12x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.68 W/kg

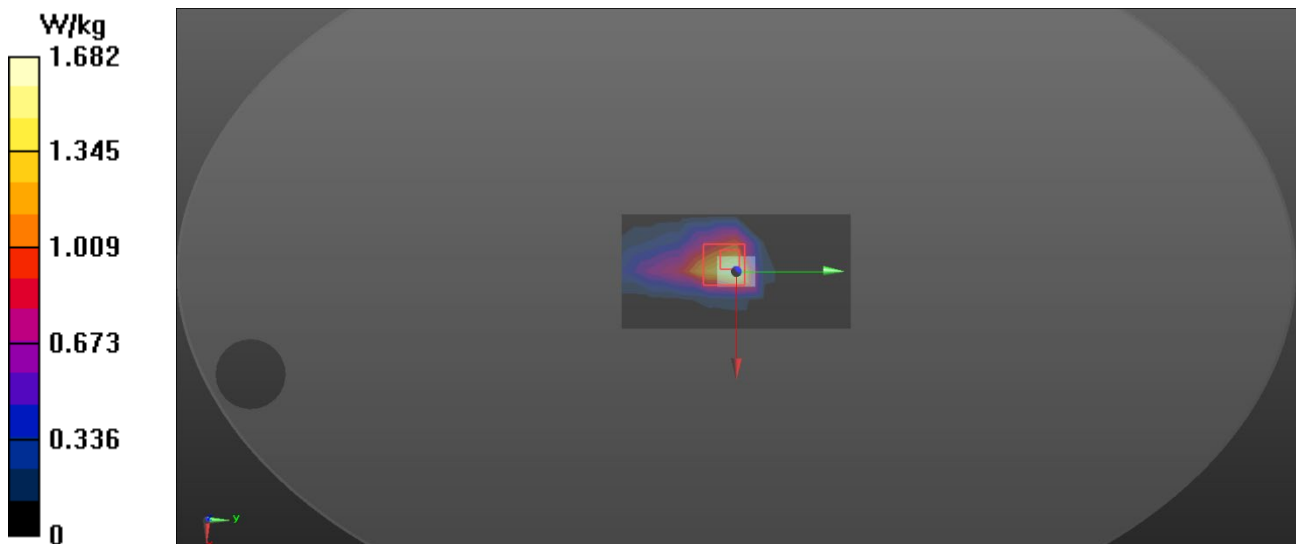
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 34.03 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 1.42 W/kg; SAR(10 g) = 0.588 W/kg

Maximum value of SAR (measured) = 2.13 W/kg



Test Laboratory: BTL Inc.

Date: 2024/5/15

B01_BT_DH5_CH78_Horizontal Up_5mm**DUT: Dongle;**

Communication System: UID 0, BT (0);

Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 39.552$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN7515; ConvF(7.45, 7.45, 7.45) @ 2480 MHz; Calibrated: 2023/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x12x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.441 W/kg

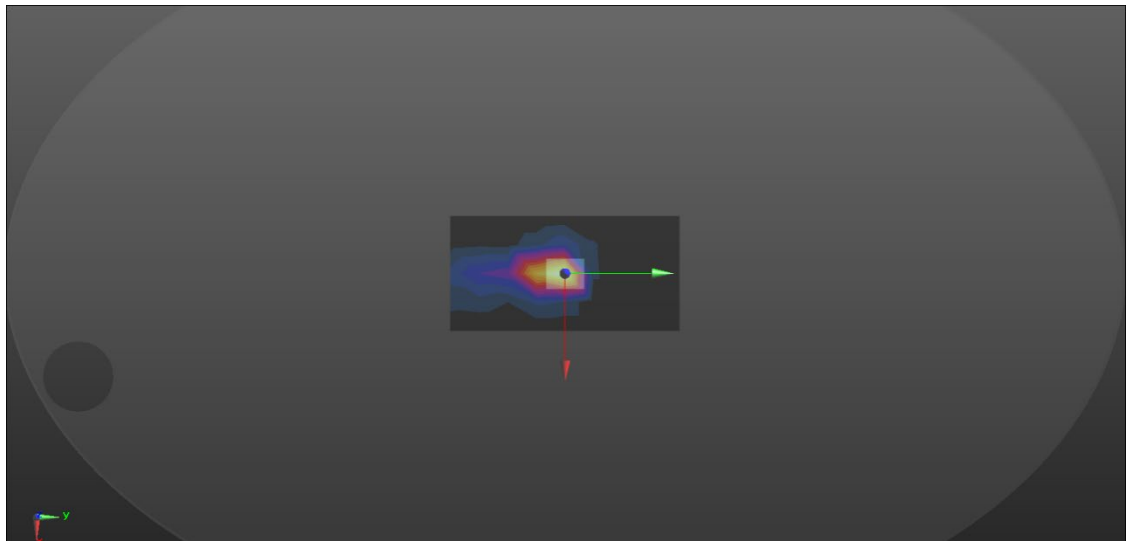
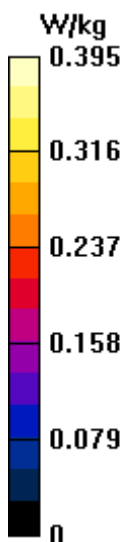
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.91 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.598 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.395 W/kg



Test Laboratory: BTL Inc.

Date: 2024/5/16

W08_802.11ax_HE40_CH46_Horizontal Up_5mm

DUT: Dongle;

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

Frequency: 5230 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5230 \text{ MHz}$; $\sigma = 4.753 \text{ S/m}$; $\epsilon_r = 36.059$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: $22.9 \text{ }^\circ\text{C}$; Liquid Temperature: $22.2 \text{ }^\circ\text{C}$

DASY Configuration:

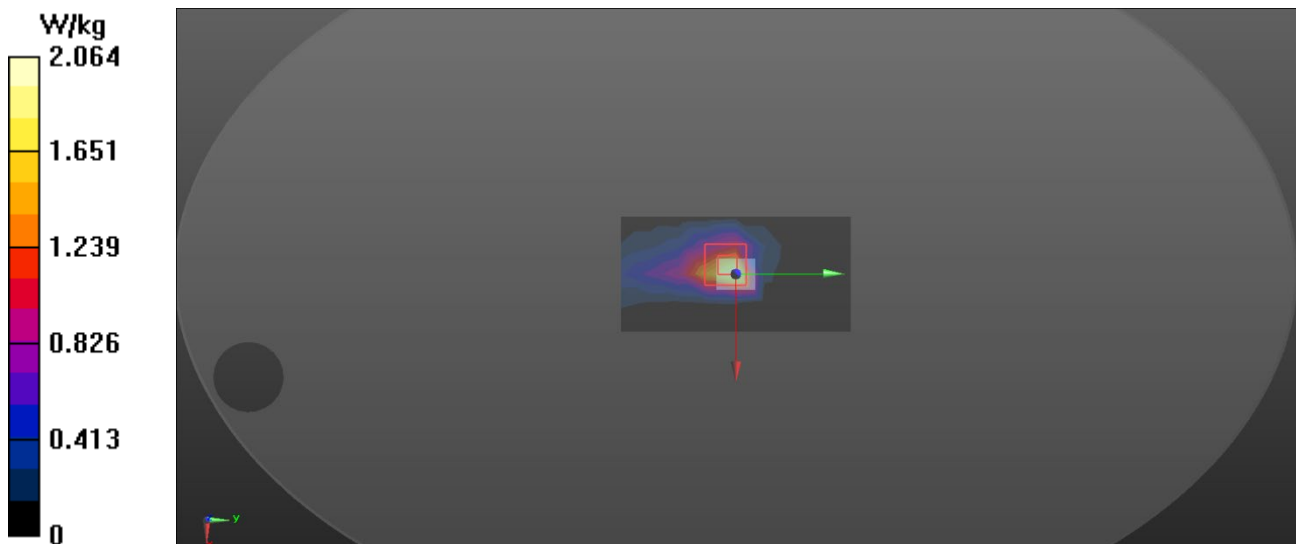
- Probe: EX3DV4 - SN7515; ConvF(5.46, 5.46, 5.46) @ 5230 MHz; Calibrated: 2023/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 2.06 W/kg
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 23.50 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.92 W/kg
SAR(1 g) = 1.34 W/kg ; SAR(10 g) = 0.457 W/kg

Maximum value of SAR (measured) = 2.84 W/kg


Test Laboratory: BTL Inc.

Date: 2024/5/16

W14_802.11ax_HE40_CH62_Horizontal Up_5mm

DUT: Dongle;

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

Frequency: 5310 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5310$ MHz; $\sigma = 4.846$ S/m; $\epsilon_r = 35.855$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN7515; ConvF(5.46, 5.46, 5.46) @ 5310 MHz; Calibrated: 2023/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x15x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.27 W/kg

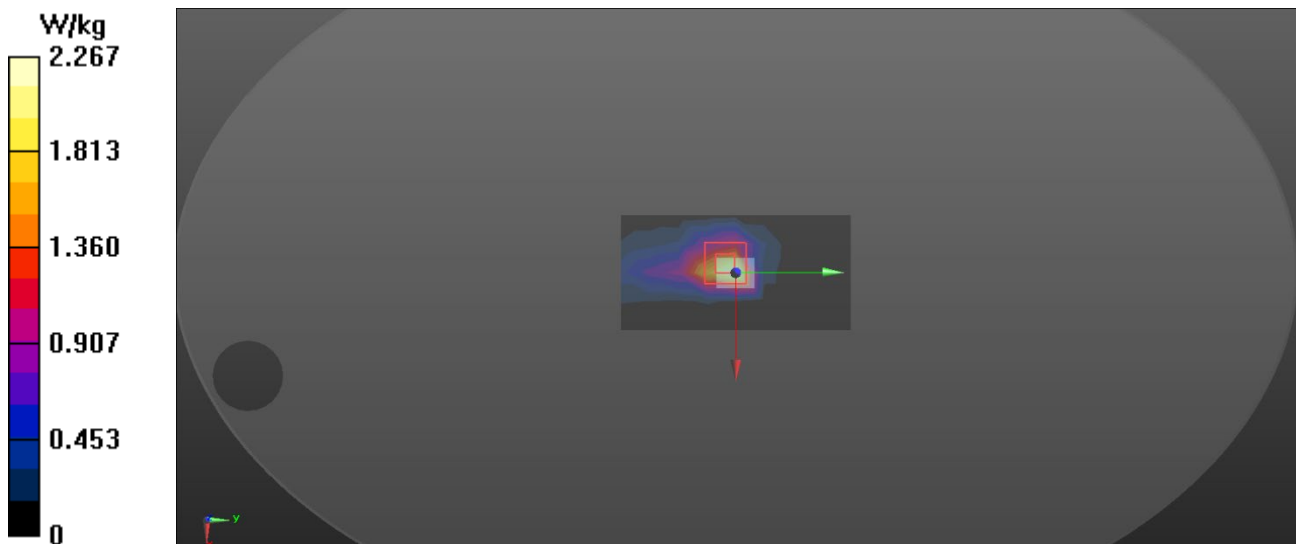
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 24.29 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.99 W/kg

SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.471 W/kg

Maximum value of SAR (measured) = 2.87 W/kg



Test Laboratory: BTL Inc.

Date: 2024/5/16

W20_802.11ax_HE40_CH102_Horizontal Up 5mm

DUT: Dongle;

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

Frequency: 5510 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5510$ MHz; $\sigma = 5.082$ S/m; $\epsilon_r = 35.375$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN7515; ConvF(4.71, 4.71, 4.71) @ 5510 MHz; Calibrated: 2023/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x15x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.18 W/kg

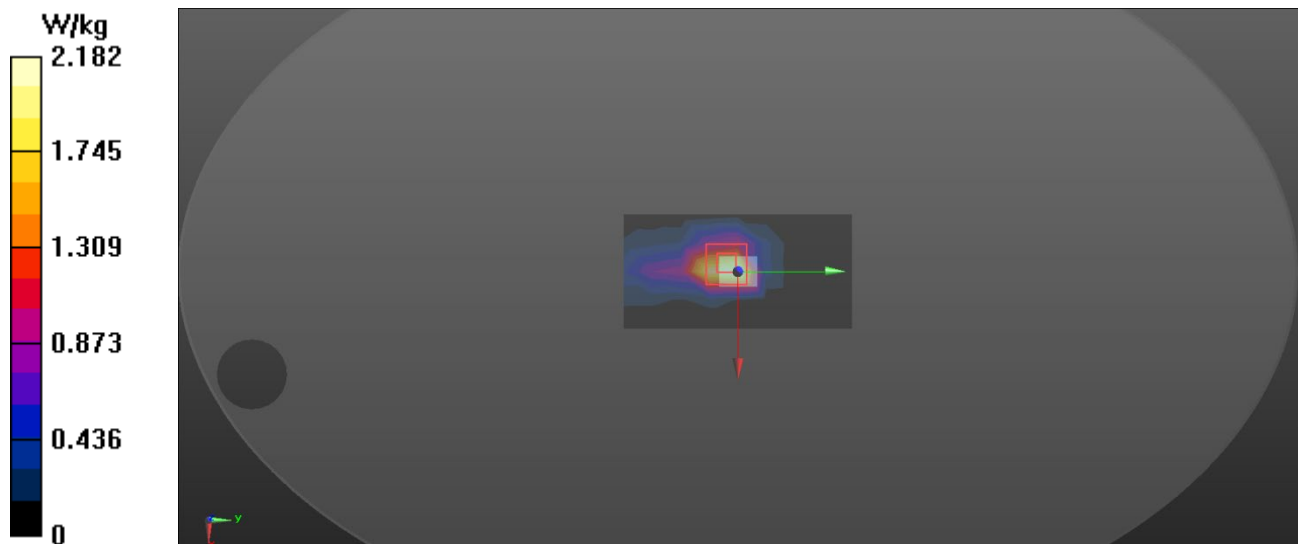
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 23.05 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 5.04 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.448 W/kg

Maximum value of SAR (measured) = 2.77 W/kg



Test Laboratory: BTL Inc.

Date: 2024/5/16

W27_802.11ax_HE40_CH151_Horizontal Up_5mm

DUT: Dongle;

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

Frequency: 5755 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5755$ MHz; $\sigma = 5.377$ S/m; $\epsilon_r = 34.822$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.9 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN7515; ConvF(4.89, 4.89, 4.89) @ 5755 MHz; Calibrated: 2023/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2023/11/20
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (9x15x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.44 W/kg

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

Reference Value = 23.51 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 5.46 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.456 W/kg

Maximum value of SAR (measured) = 2.88 W/kg

