

Test Laboratory: BTL Inc.

Date: 2024/8/6

W02_802.11g_CH 6_Rear Face_10mm

DUT:Module

Communication System: UID 10419 - AAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.816$ S/m; $\epsilon_r = 39.394$; $\rho = 1000$ kg/m³

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.8 °C

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(7.46, 7.04, 6.83) @ 2437 MHz; Calibrated: 2023/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1717; Calibrated: 2024/4/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x6x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 1.371 W/kg

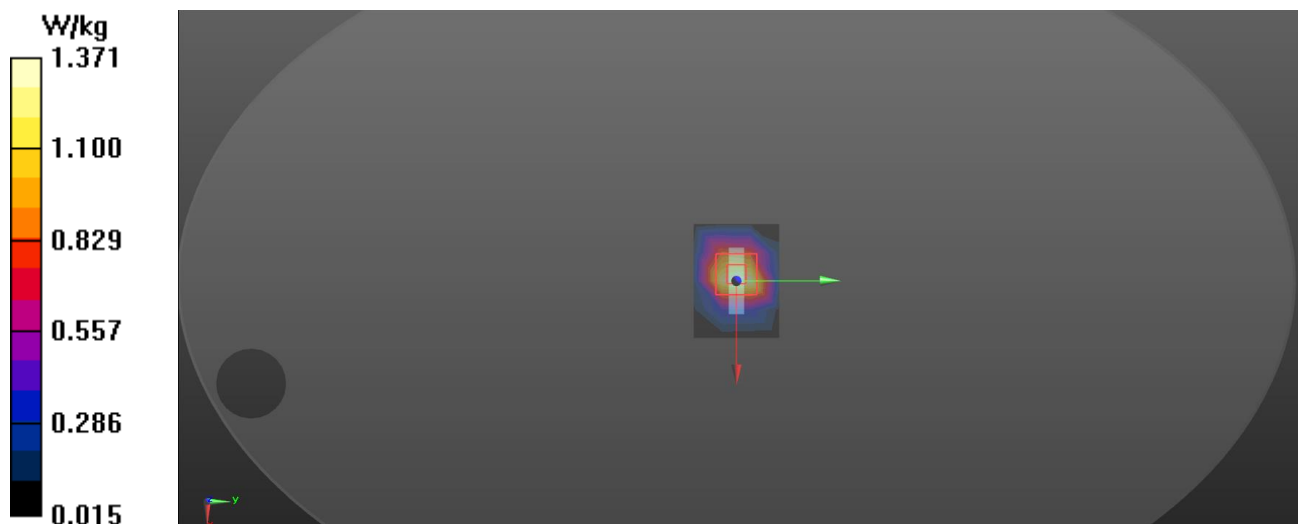
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 35.04 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.569 W/kg

Maximum value of SAR (measured) = 2.04 W/kg



Test Laboratory: BTL Inc.

Date: 2024/8/6

B08_BT_3DH5_CH78_Rear Face_10mm

DUT:Module

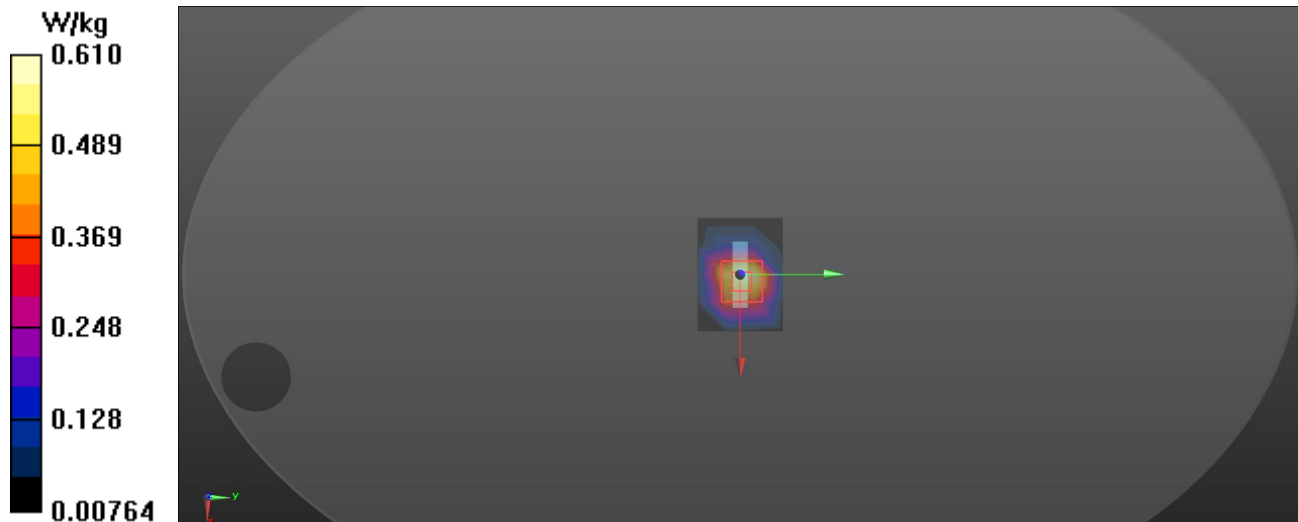
Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2480 \text{ MHz}$; $\sigma = 1.853 \text{ S/m}$; $\epsilon_r = 39.146$; $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature: $23.3 \text{ }^\circ\text{C}$; Liquid Temperature: $22.8 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(7.46, 7.04, 6.83) @ 2480 MHz; Calibrated: 2023/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1717; Calibrated: 2024/4/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x6x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 0.611 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 23.51 V/m ; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.554 W/kg ; SAR(10 g) = 0.259 W/kg
Maximum value of SAR (measured) = 0.882 W/kg



Test Laboratory: BTL Inc.

Date: 2024/8/5

W11_802.11a_CH36_Rear Face_10mm

DUT:Module

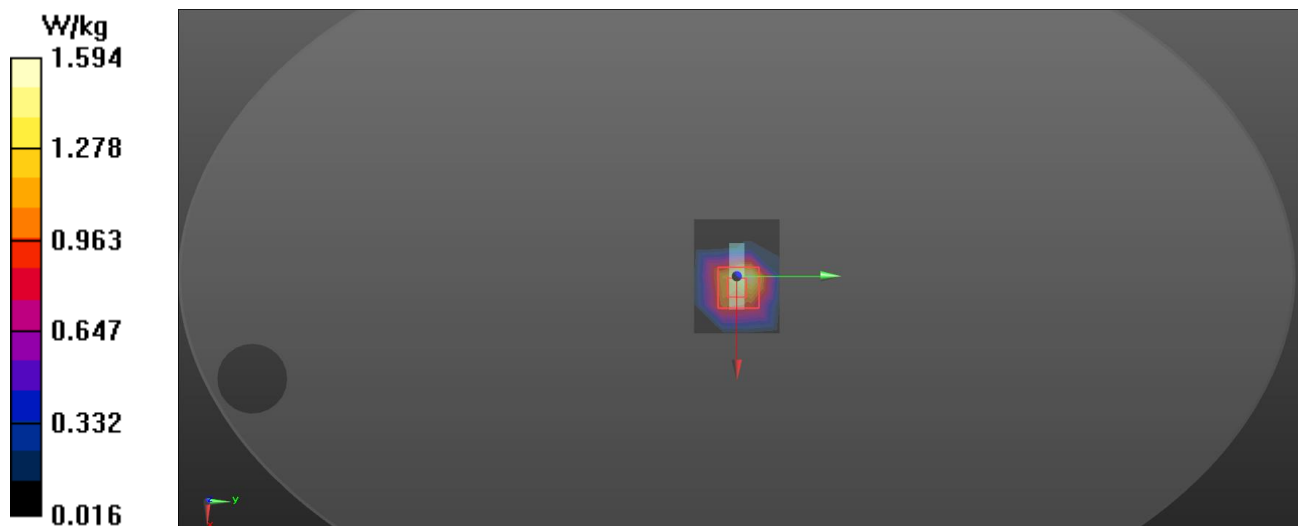
Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);
Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.539 \text{ S/m}$; $\epsilon_r = 35.666$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature: $22.9 \text{ }^\circ\text{C}$; 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), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1717; Calibrated: 2024/4/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x6x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 1.594 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$
Reference Value = 24.96 V/m ; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 5.60 W/kg
SAR(1 g) = 1.25 W/kg ; SAR(10 g) = 0.39 W/kg
Maximum value of SAR (measured) = 3.30 W/kg



Test Laboratory: BTL Inc.

Date: 2024/8/2

W26_802.11a_CH120_Rear Face_10mm

DUT:Module

Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600 \text{ MHz}$; $\sigma = 5.154 \text{ S/m}$; $\epsilon_r = 35.313$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 23 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.74, 4.48, 4.59) @ 5600 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1717; Calibrated: 2024/4/18
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x6x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 1.818 W/kg

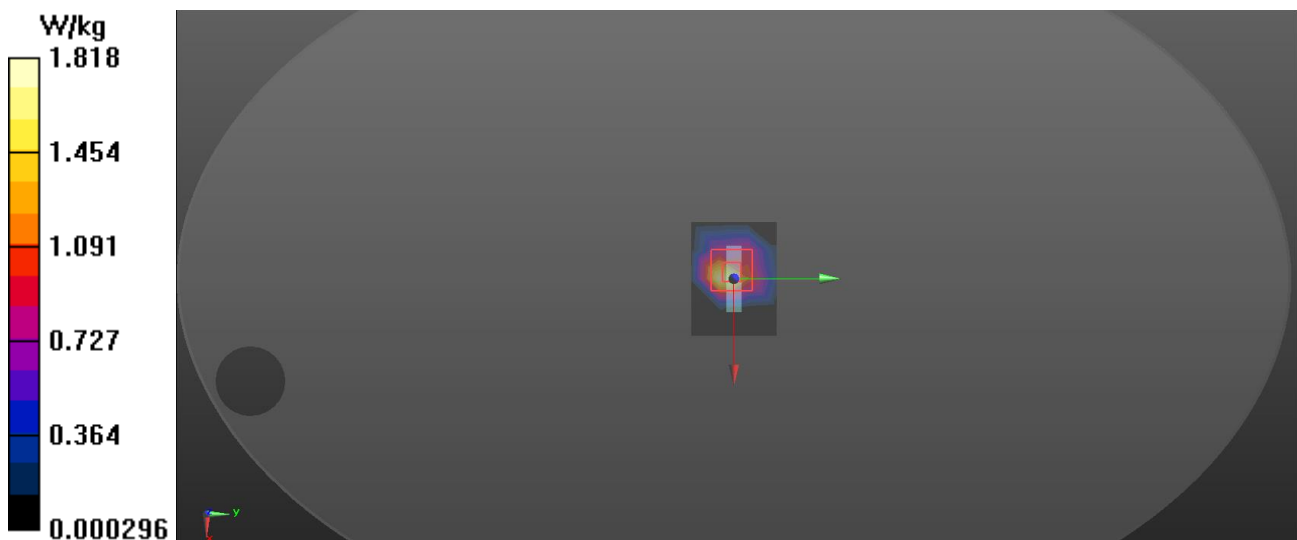
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 24.07 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.95 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.393 W/kg

Maximum value of SAR (measured) = 2.86 W/kg



Test Laboratory: BTL Inc.

Date: 2024/8/2

W34_802.11a_CH157_Rear Face_10mm

DUT:Module

Communication System: UID 10417 - AAB, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle);

Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 5.382$ S/m; $\epsilon_r = 34.864$; $\rho = 1000$ kg/m³

Ambient Temperature: 23 °C; Liquid Temperature: 22.6 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.96, 4.67, 4.8) @ 5785 MHz; Calibrated: 2024/4/3
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1717; Calibrated: 2024/4/18
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x6x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.946 W/kg

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

Reference Value = 24.18 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 5.54 W/kg

SAR(1 g) = 1.31 W/kg; SAR(10 g) = 0.426 W/kg

Maximum value of SAR (measured) = 3.05 W/kg

