

Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/8/8

W06_802.11g_WiFi 2.4G_CH6_Horizontal Up_5mm

DUT: Dongle;

Communication System: UID 10013 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.859$ S/m; $\epsilon_r = 39.096$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(7.59, 6.97, 6.79) @ 2437 MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD000P40CC; Serial: TP:1469
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (5x5x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.493 W/kg

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

Reference Value = 8.230 V/m; Power Drift = 0.06 dB

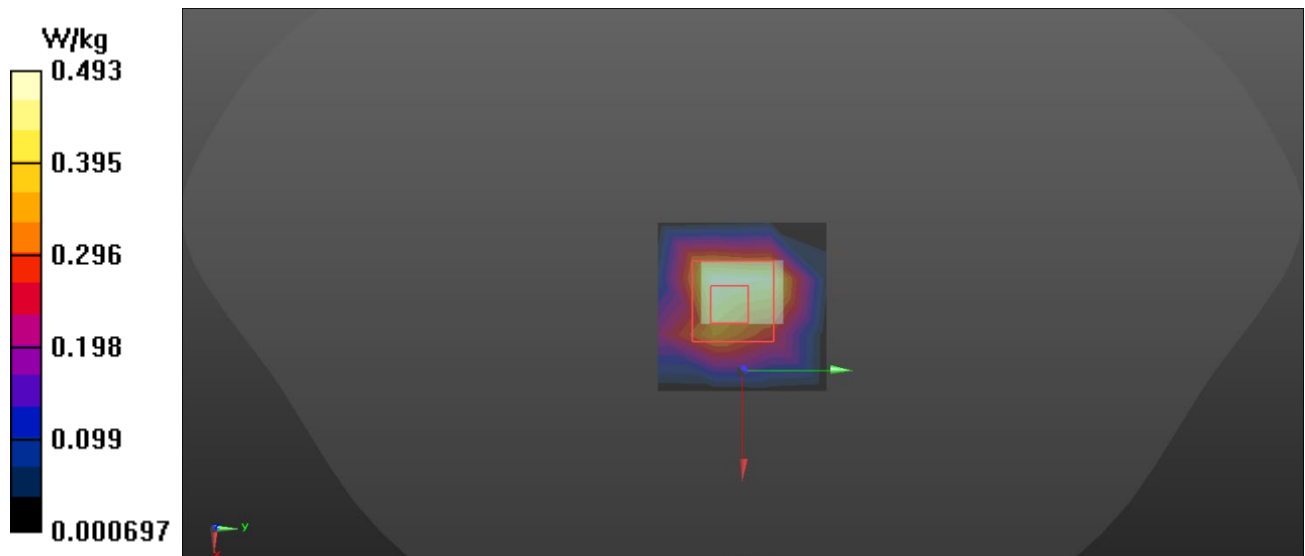
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.068 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 16.8%

Maximum value of SAR (measured) = 0.516 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/8/8

W20_802.11ac VHT40_WiFi 5.2G_CH46_Horizontal Up_5mm

DUT: Dongle;

Communication System: UID 10534 - AAB, IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle); Frequency: 5230 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5230$ MHz; $\sigma = 4.646$ S/m; $\epsilon_r = 36.447$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(6.23, 5.73, 5.57) @ 5230 MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD000P40CC; Serial: TP:1469
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x6x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.251 W/kg

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

Reference Value = 5.712 V/m; Power Drift = -0.06 dB

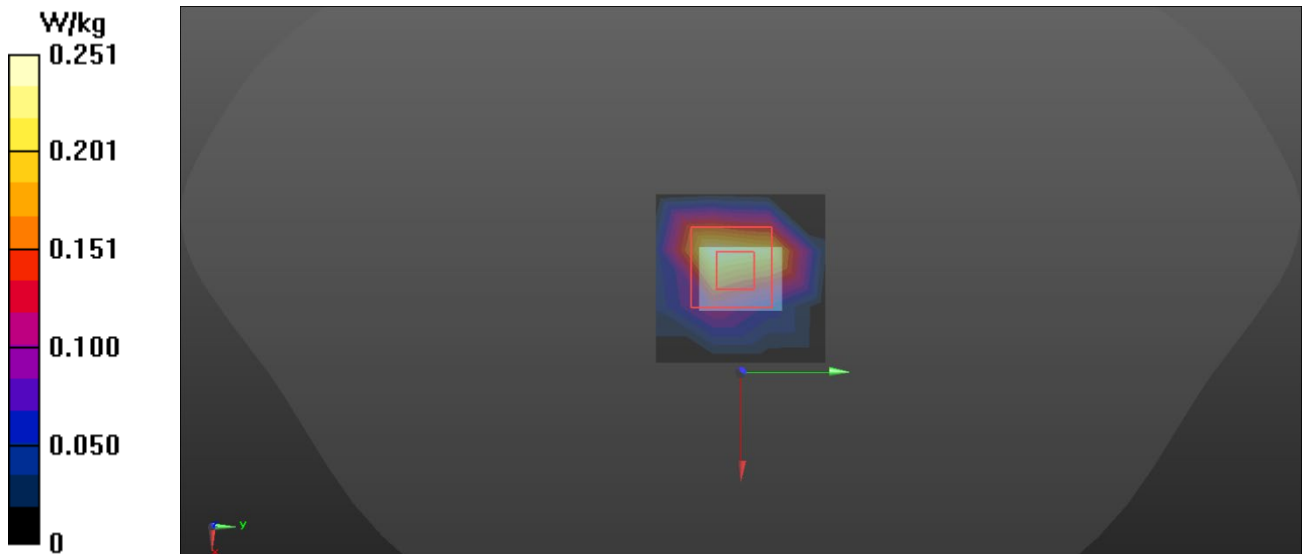
Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.044 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 16.5%

Maximum value of SAR (measured) = 0.320 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/8/8

W021_802.11a_WiFi 5.3G_CH64_Horizontal Up_5mm

DUT: Dongle;

Communication System: UID 0, IEEE 802.11a WiFi 5G(OFDM, 6 Mbps,) (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 4.756 \text{ S/m}$; $\epsilon_r = 36.227$; $\rho = 1000 \text{ kg/m}^3$

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

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(6.02, 5.54, 5.39) @ 5320 MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD000P40CC; Serial: TP:1469
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x6x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.653 W/kg

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

Reference Value = 9.752 V/m ; Power Drift = -0.11 dB

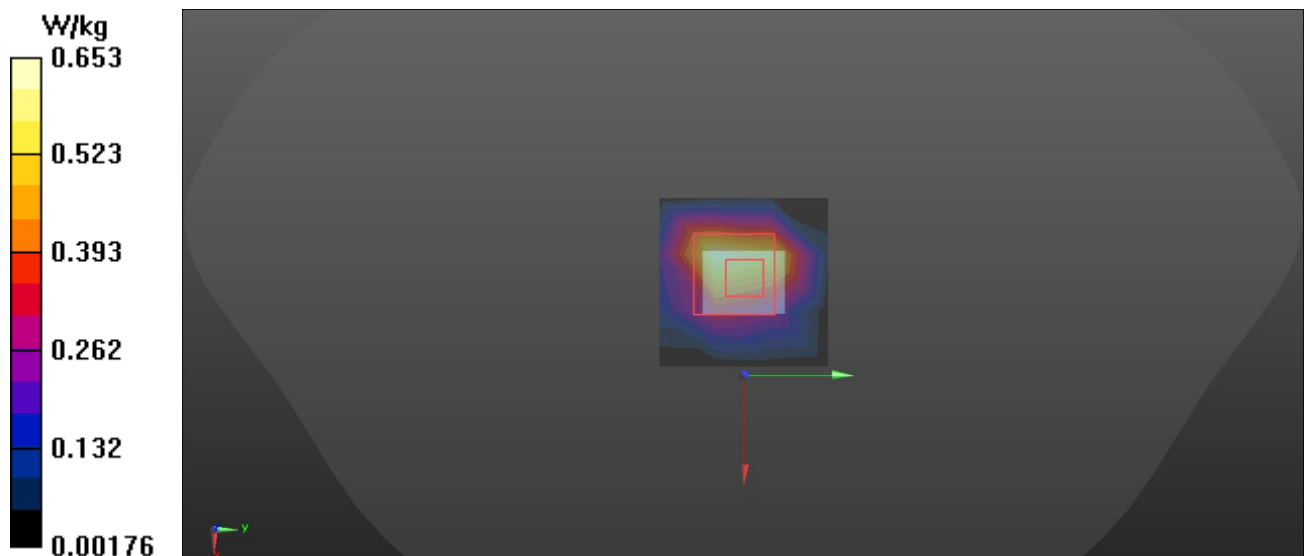
Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.362 W/kg ; SAR(10 g) = 0.117 W/kg

Smallest distance from peaks to all points 3 dB below = 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 16.5%

Maximum value of SAR (measured) = 0.819 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/8/8

W33_802.11ac VHT20_WiFi 5.6G_CH100_Horizontal Up_5mm

DUT: Dongle;

Communication System: UID 10525 - AAB, IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.958$ S/m; $\epsilon_r = 35.789$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(5.54, 5.1, 4.96) @ 5500 MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD000P40CC; Serial: TP:1469
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x6x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.00 W/kg

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

Reference Value = 10.46 V/m; Power Drift = 0.08 dB

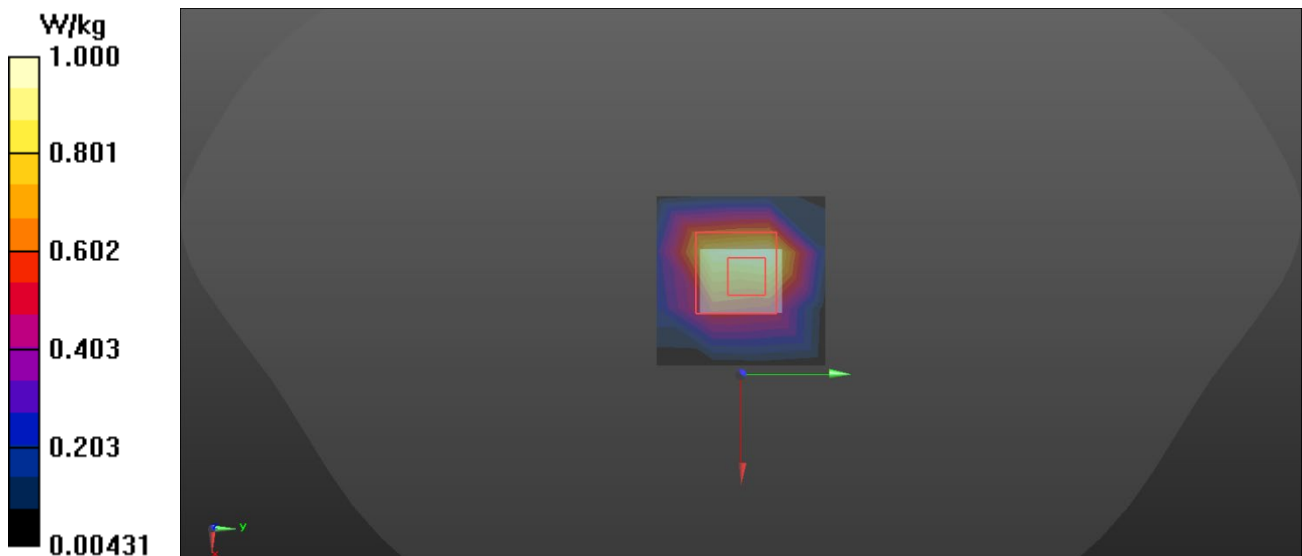
Peak SAR (extrapolated) = 3.00 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.189 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 15.9%

Maximum value of SAR (measured) = 1.46 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/8/8

W08_802.11ac VHT20_WiFi 5.8G_CH149_Horizontal Up_5mm

DUT: Dongle;

Communication System: UID 10525 - AAB, IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.261$ S/m; $\epsilon_r = 35.182$; $\rho = 1000$ kg/m³

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

DASY Configuration:

- Probe: EX3DV4 - SN3809; ConvF(5.51, 5.06, 4.93) @ 5745 MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: Twin-SAM V4.0 (20deg probe tilt); Type: QD000P40CC; Serial: TP:1469
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x6x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 1.12 W/kg

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

Reference Value = 8.203 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.116 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 14.9%

Maximum value of SAR (measured) = 0.881 W/kg

