



# **Compliance Certification Services Inc.**

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Test Laboratory: Compliance Certification Services Inc.

Date: 7/21/2014

## WIFI-Body Low Rear Low CH1 battery 1

**DUT: Tablet Computer; Type: A1409; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.901 \text{ S/m}$ ;  $\epsilon_r = 52.544$ ;  $\rho = 1000 \text{ kg/m}^3$

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

## WIFI/IEEE802.11b Body Rear Low CH1/Area Scan (8x8x1):

Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) = 1.29 W/kg

## WIFI/IEEE802.11b Body Rear Low CH1/Zoom Scan (7x7x7)/Cube 0:

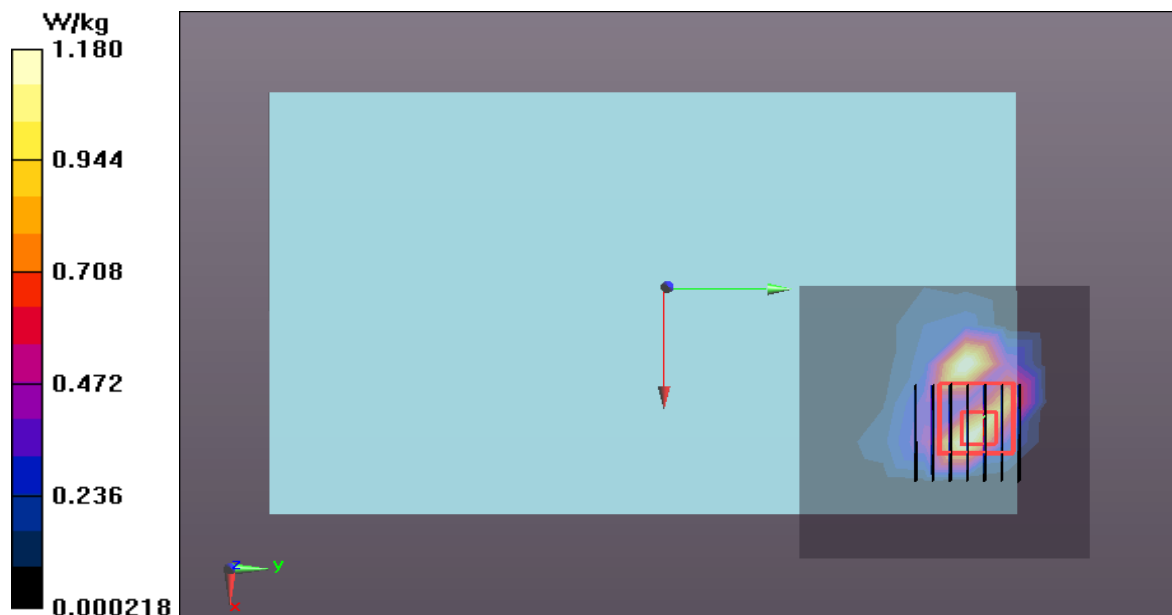
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

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

Peak SAR (extrapolated) = 1.78 W/kg

**SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.239 W/kg**

Maximum value of SAR (measured) = 1.18 W/kg





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**WIFI-Body Middle Rear Middle CH6 battery 1**

**DUT: Tablet Computer; Type: A1409; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.935 \text{ S/m}$ ;  $\epsilon_r = 52.455$ ;  $\rho = 1000 \text{ kg/m}^3$

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:xxxx
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11b Body Rear Middle CH6/Area Scan (8x8x1):**

Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) = 1.32 W/kg

**WIFI/IEEE802.11b Body Rear Middle CH6/Zoom Scan (7x7x7)/Cube 0:**

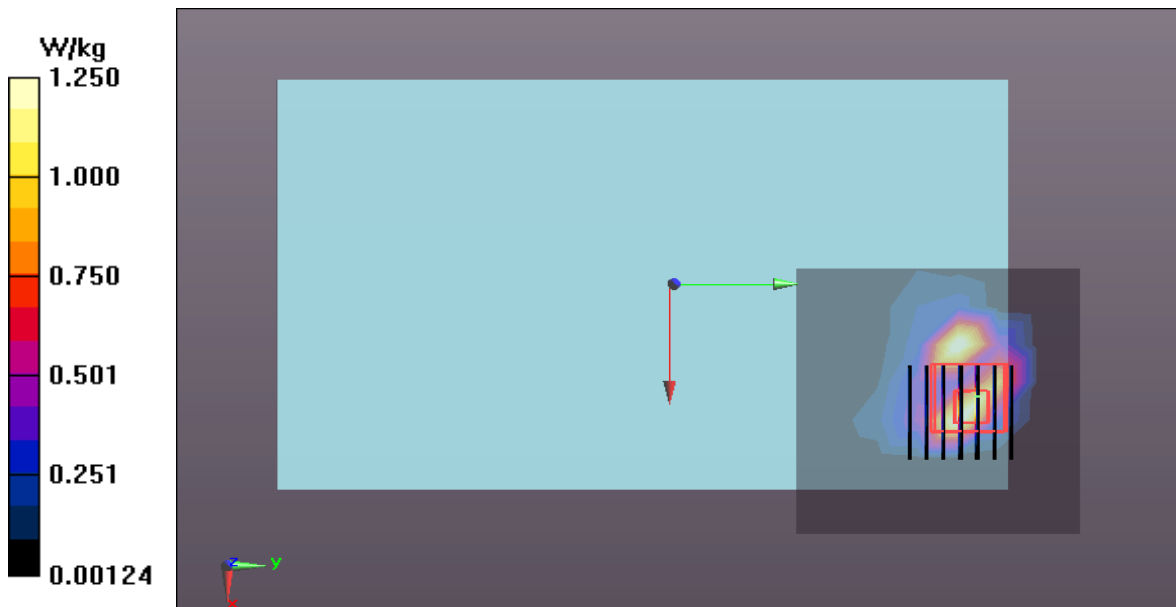
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

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

Peak SAR (extrapolated) = 1.83 W/kg

**SAR(1 g) = 0.645 W/kg; SAR(10 g) = 0.246 W/kg**

Maximum value of SAR (measured) = 1.21 W/kg





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## WIFI-Body Rear High CH11 with battery 1

**DUT: Tablet Computer; Type: A1409; Serial: N/A**

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;

Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.962$  S/m;  $\epsilon_r = 52.412$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

## WIFI/IEEE802.11b Body Rear High CH11/Area Scan (8x8x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.35 W/kg

## WIFI/IEEE802.11b Body Rear High CH11/Zoom Scan (7x7x7)/Cube 0:

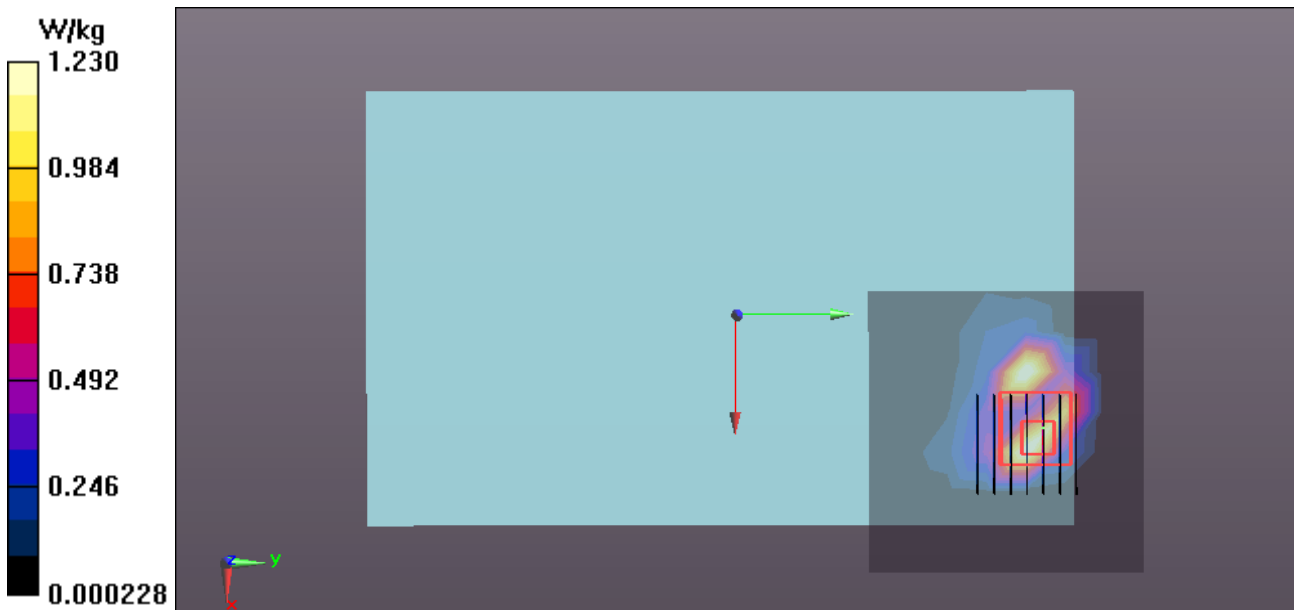
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.87 W/kg

**SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.251 W/kg**

Maximum value of SAR (measured) = 1.23 W/kg





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## WIFI-Body-Edge 1 High CH11 with battery 1

**DUT: Tablet Computer; Type: A1409; Serial: N/A**

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;

Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.962$  S/m;  $\epsilon_r = 52.412$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

## WIFI/IEEE802.11b Body Edge 1 High CH11/Area Scan (8x7x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.301 W/kg

## WIFI/IEEE802.11b Body Edge 1 High CH11/Zoom Scan (7x7x7)/Cube 0:

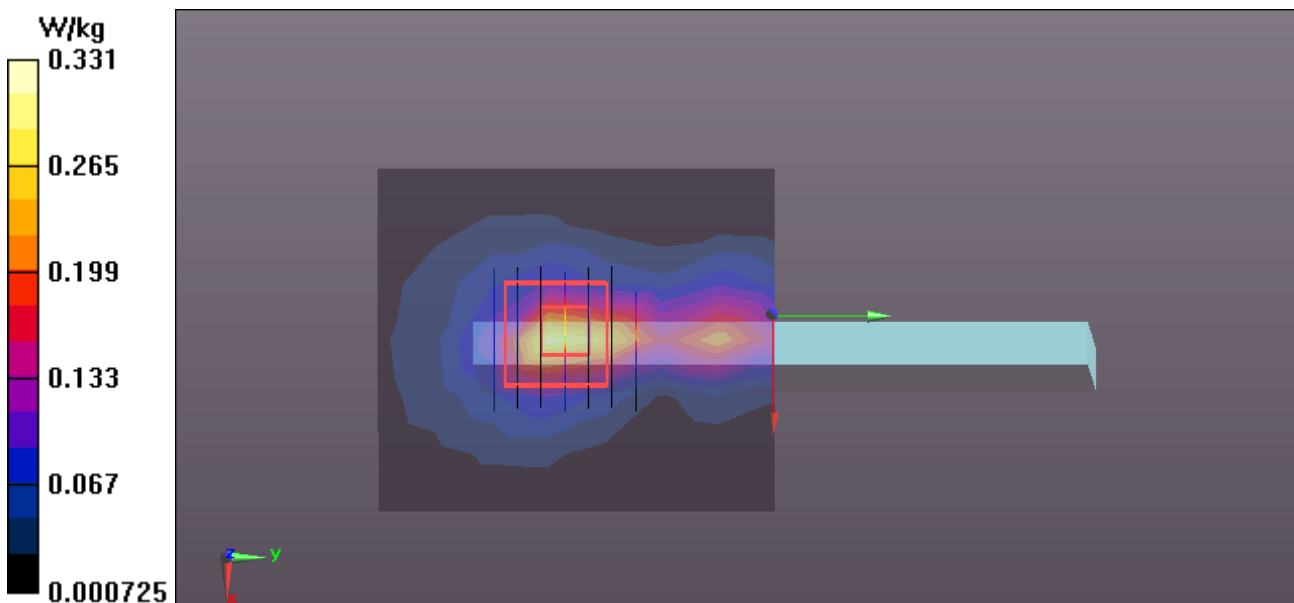
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.247 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.450 W/kg

**SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.080 W/kg**

Maximum value of SAR (measured) = 0.331 W/kg





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## WIFI-Body-Edge 2 High CH11 with battery 1

**DUT: Tablet Computer; Type: A1409; Serial: N/A**

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;

Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.962$  S/m;  $\epsilon_r = 52.412$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

## WIFI/IEEE802.11b Body Edge 2 High CH11/Area Scan (8x7x1):

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.153 W/kg

## WIFI/IEEE802.11b Body Edge 2 High CH11/Zoom Scan (7x7x7)/Cube 0:

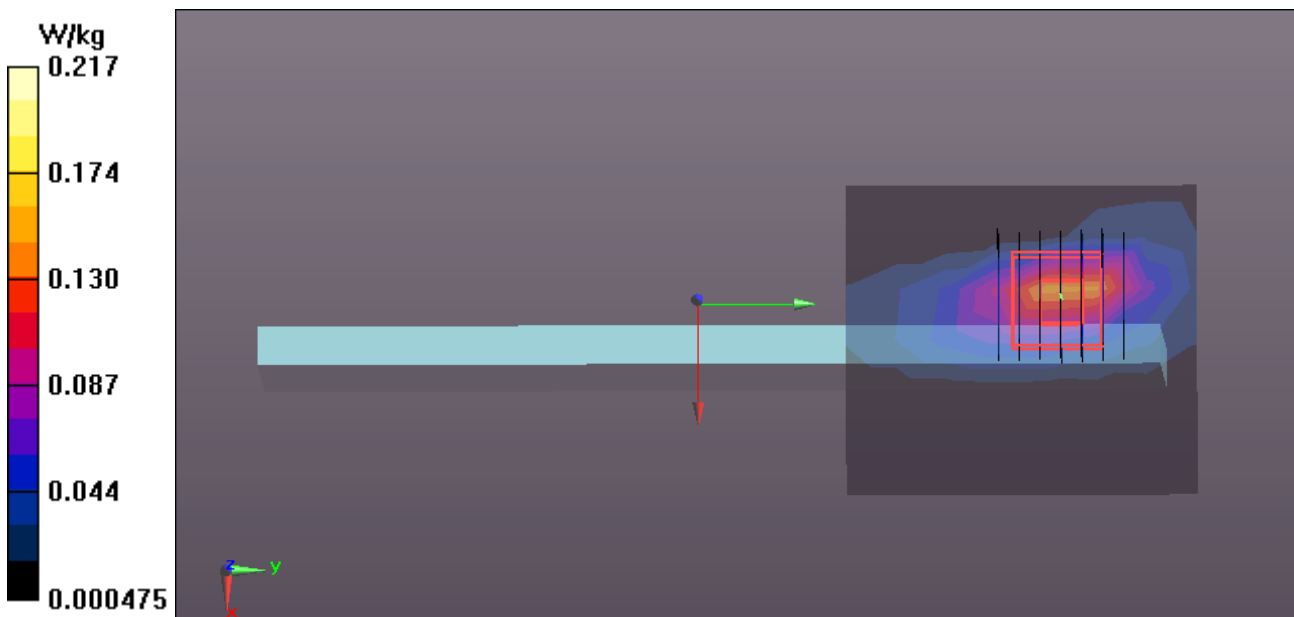
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 0.287 W/kg

**SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.047 W/kg**

Maximum value of SAR (measured) = 0.217 W/kg





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**WIFI-Body- Rear Middle CH6 with battery 2**

**DUT: Tablet Computer; Type: A1409; Serial: N/A**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.935$  S/m;  $\epsilon_r = 52.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Room Ambient Temperature: 22°C; Liquid Temperature: 21.5°C

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11b Body Rear Middle CH6/Area Scan (8x8x1):**

Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.17 W/kg

**WIFI/IEEE802.11b Body Rear Middle CH6/Zoom Scan (7x7x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.87 W/kg

**SAR(1 g) = 0.641 W/kg; SAR(10 g) = 0.232 W/kg**

Maximum value of SAR (measured) = 1.25 W/kg

