



# **Compliance Certification Services Inc.**

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IC: 1754F-A1412

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Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2014

**WIFI-Body Rear Low CH1 with battery 1**

**DUT: Tablet Computer; Type: A1412; Serial: N/A**

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;  
Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.901$  S/m;  $\epsilon_r = 52.544$ ;  $\rho = 1000$  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: 2mm (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 Low CH1 /Area Scan (9x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.31 W/kg

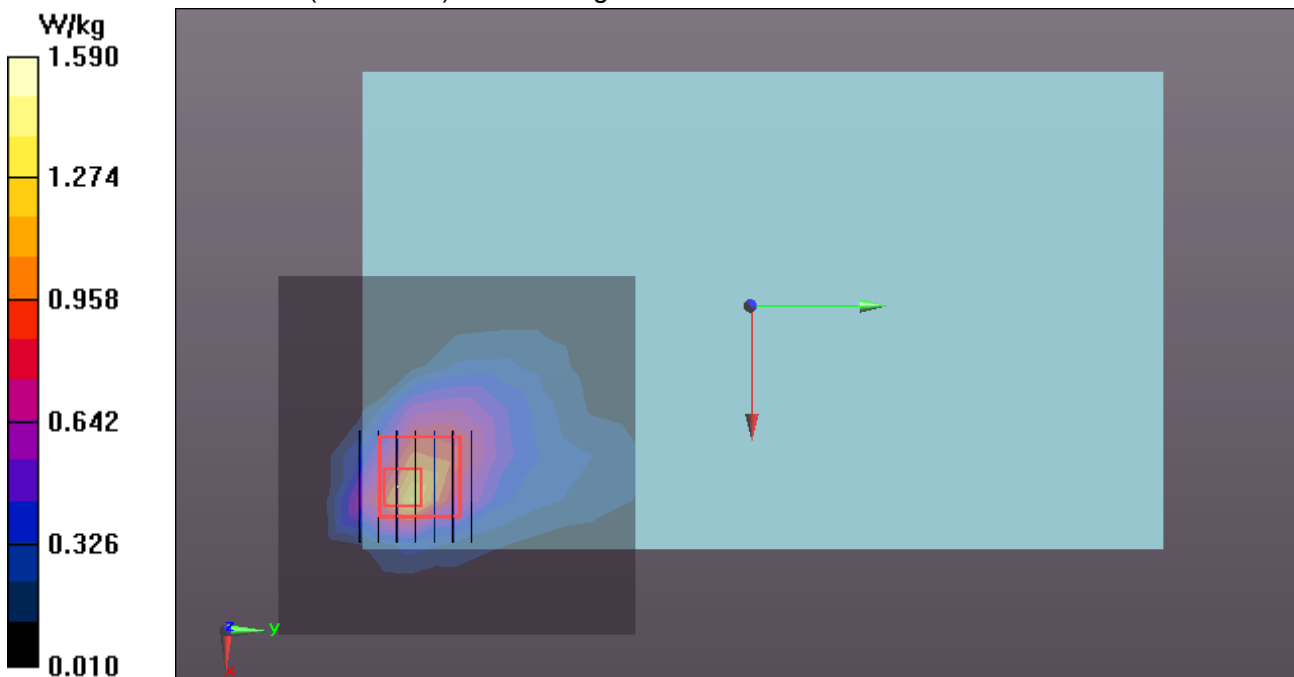
**WIFI/IEEE802.11b Body Rear Low CH1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.551 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.29 W/kg

**SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.457 W/kg**

Maximum value of SAR (measured) = 1.59 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2014

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

**DUT: Tablet Computer; Type: A1412; Serial: N/A**

Communication System: UID 0, IEEE 802.11b (0); 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: 2mm (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 (9x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.48 W/kg

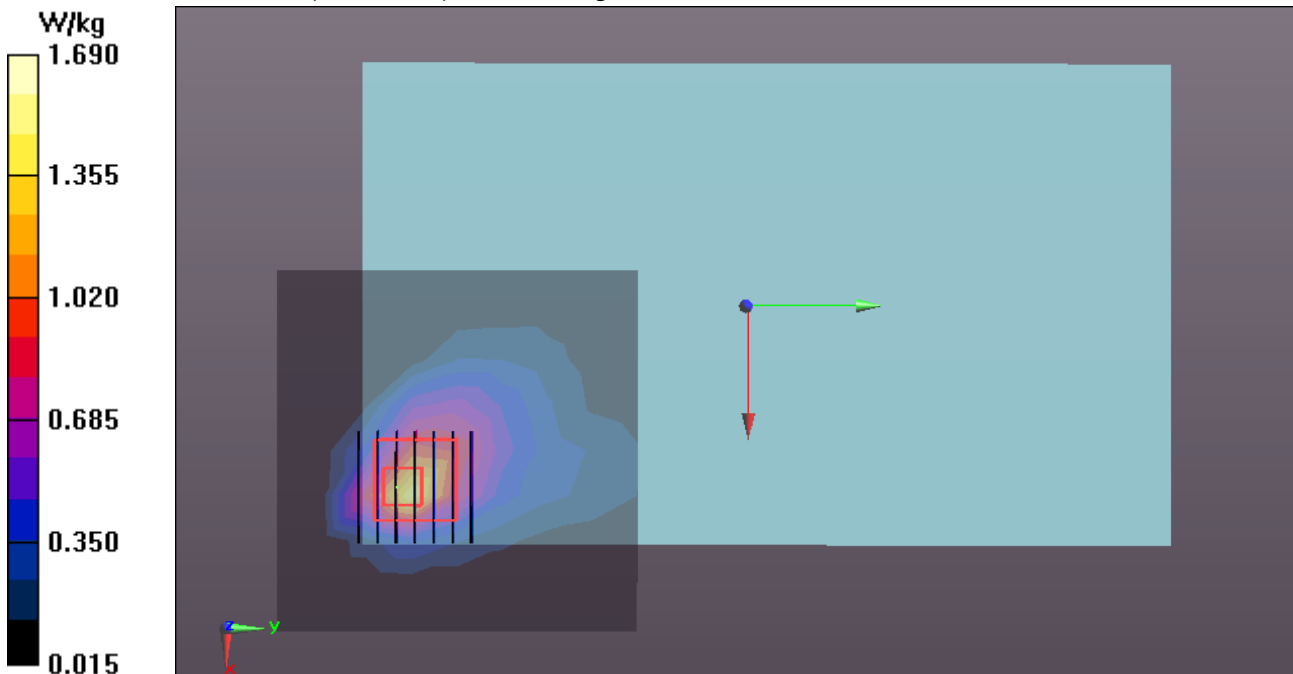
**WIFI/IEEE802.11b Body Rear Middle CH6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.560 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.42 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.474 W/kg**

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





Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2014

**WIFI-Body Rear High CH11 with battery 1**

**DUT: Tablet Computer; Type: A1412; 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: 2mm (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 (9x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.47 W/kg

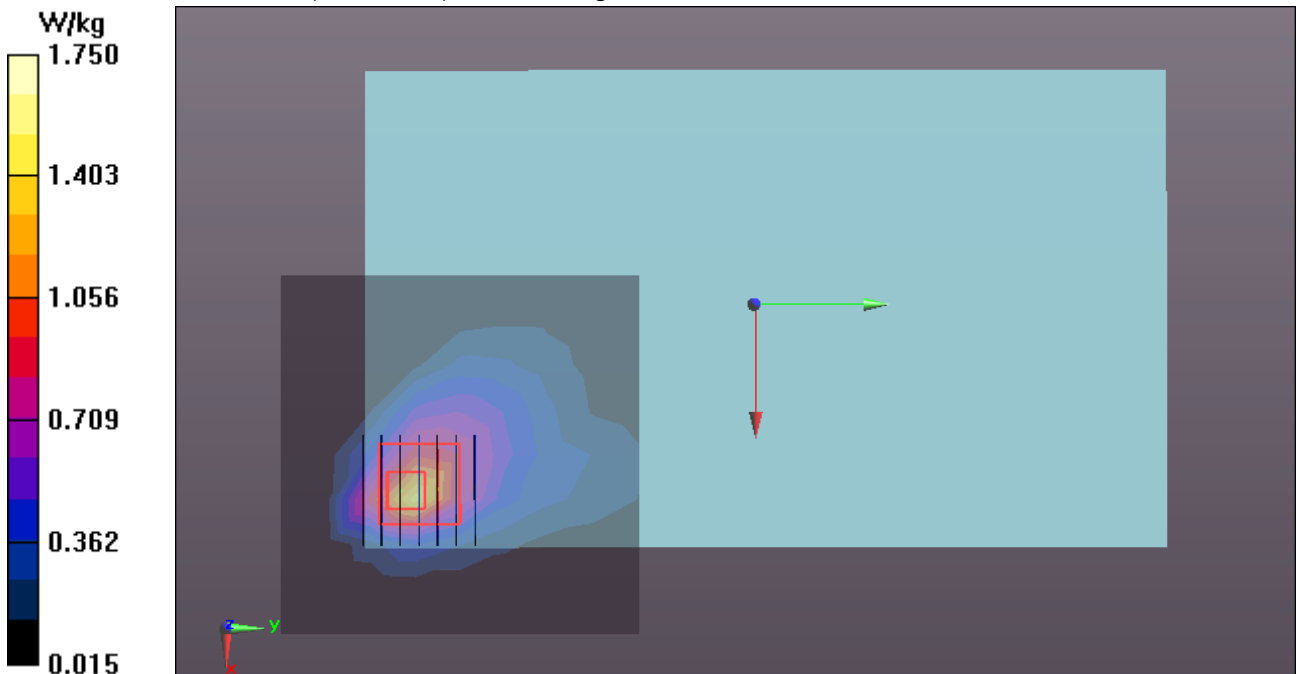
**WIFI/IEEE802.11b Body Rear High CH11 /Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.000 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.52 W/kg

**SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.480 W/kg**

Maximum value of SAR (measured) = 1.75 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2014

**WIFI-Body-Edge 1 Low CH1 with battery 1**

**DUT: Tablet Computer; Type: A1412; Serial: N/A**

Communication System: UID 0, IEEE 802.11b (0); Communication System Band: ISM 2.4GHz Band;  
Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.901$  S/m;  $\epsilon_r = 52.544$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS5 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11b Body Edge 1 Low CH1/Area Scan (8x7x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.998 W/kg

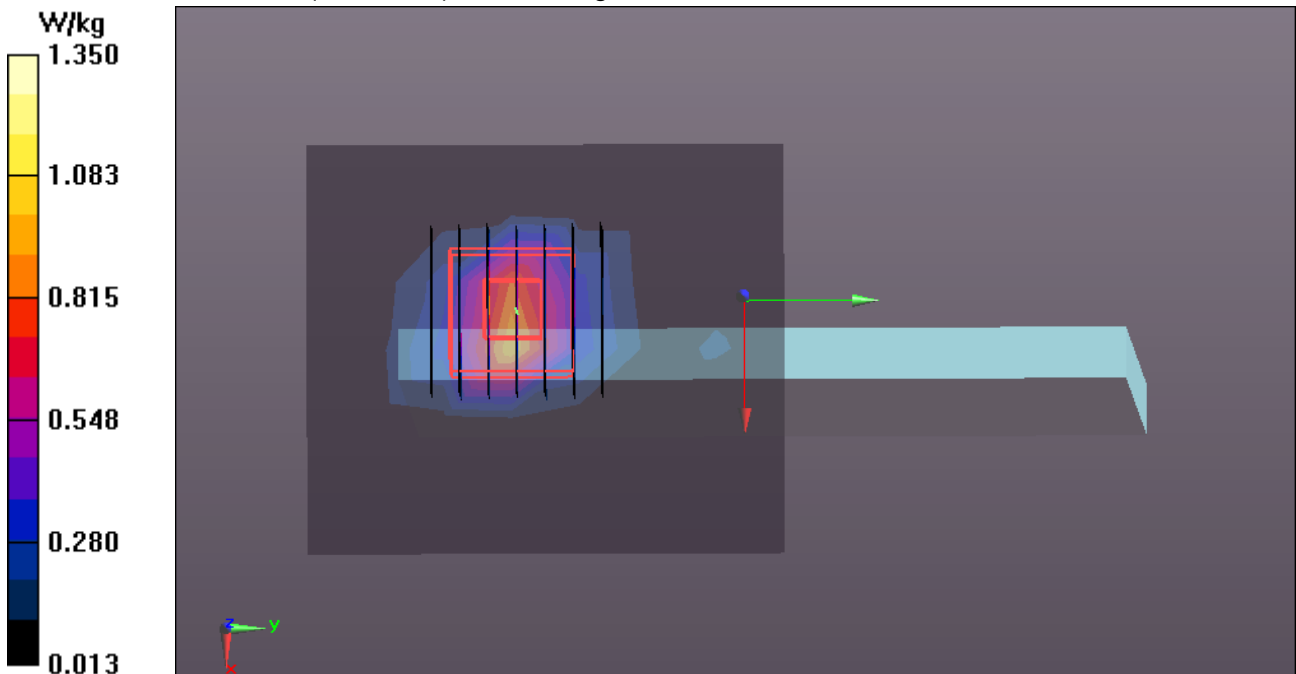
**WIFI/IEEE802.11b Body Edge 1 Low CH1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.217 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.88 W/kg

**SAR(1 g) = 0.853 W/kg; SAR(10 g) = 0.332 W/kg**

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





Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2014

**WIFI-Body-Edge 1 Middle CH6 with battery 1**

**DUT: Tablet Computer; Type: A1412; Serial: N/A**

Communication System: UID 0, IEEE 802.11b (0); 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: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11b Body Edge 1 Middle CH6 /Area Scan (8x7x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.04 W/kg

**WIFI/IEEE802.11b Body Edge 1 Middle CH6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

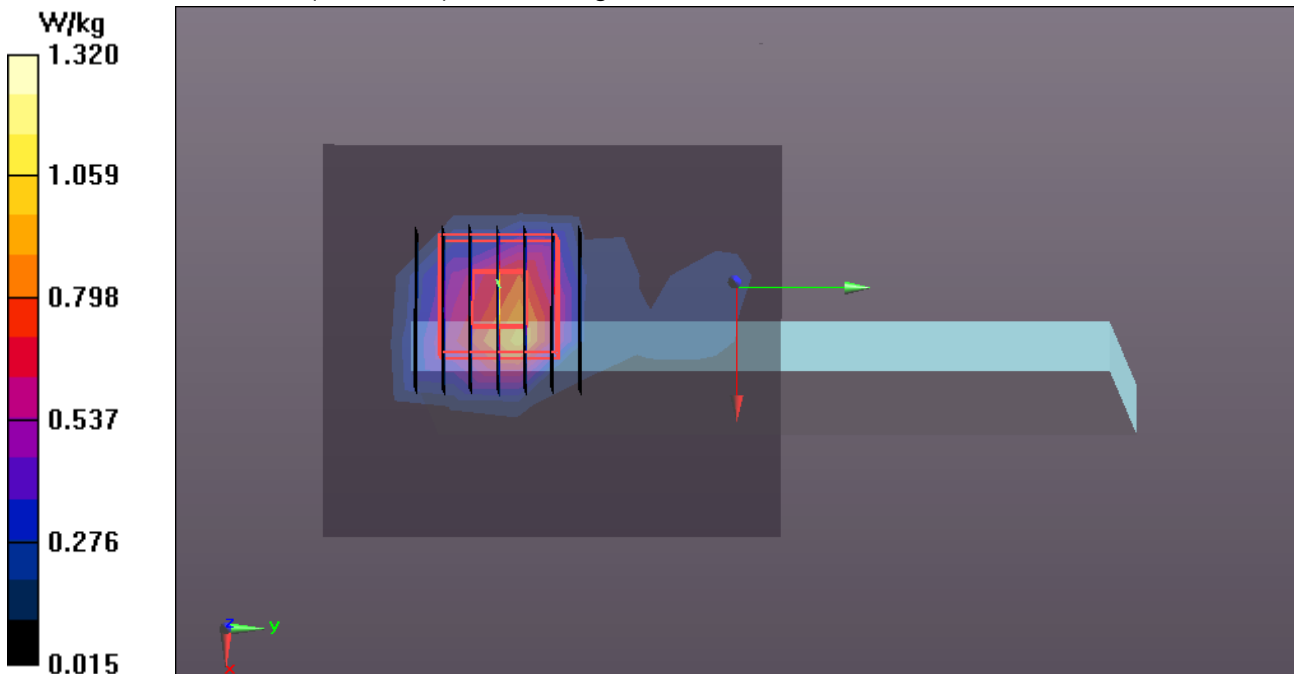
dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.462 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.94 W/kg

**SAR(1 g) = 0.886 W/kg; SAR(10 g) = 0.350 W/kg**

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





Test Laboratory: Compliance Certification Services Inc.

Date: 8/20/2014

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

**DUT: Tablet Computer; Type: A1412; 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: 2mm (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 Edge 1 High CH11 /Area Scan (8x7x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.65 W/kg

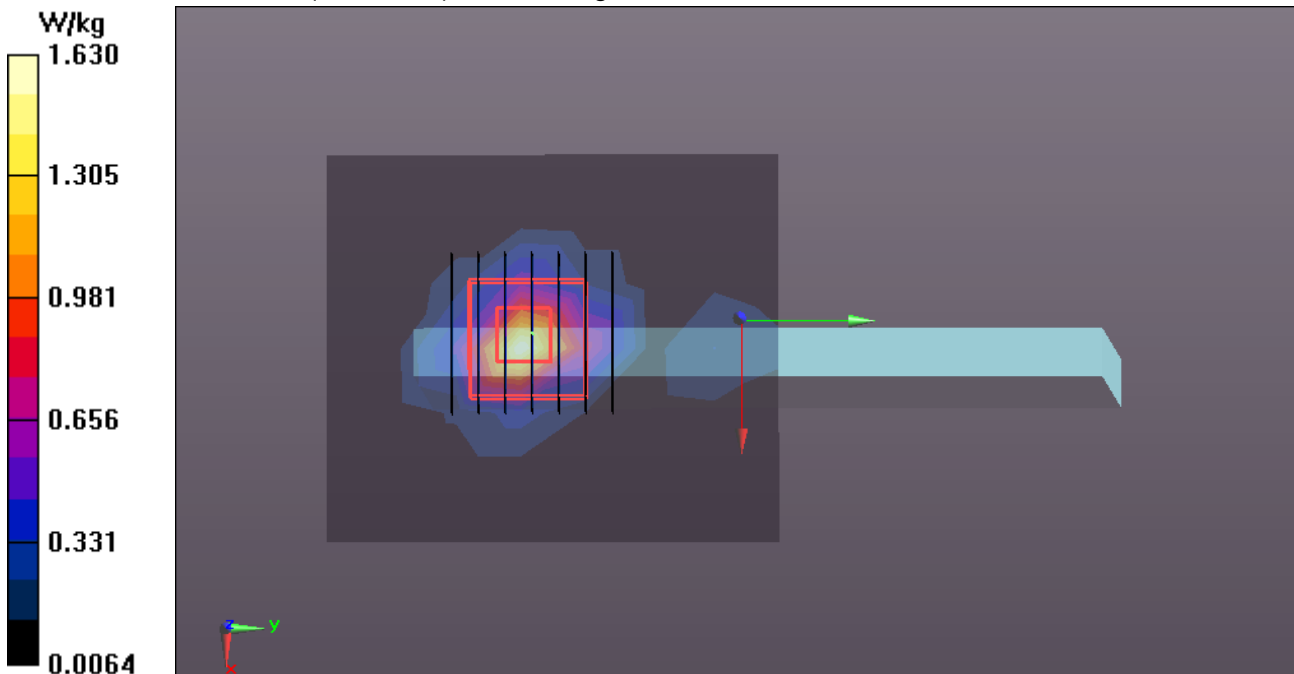
**WIFI/IEEE802.11b Body Edge 1 High CH11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.86 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.30 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.403 W/kg**

Maximum value of SAR (measured) = 1.63 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 8/20/2014

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

**DUT: Tablet Computer; Type: A1412; 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: 2mm (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 Edge 2 High CH11 /Area Scan (9x7x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.746 W/kg

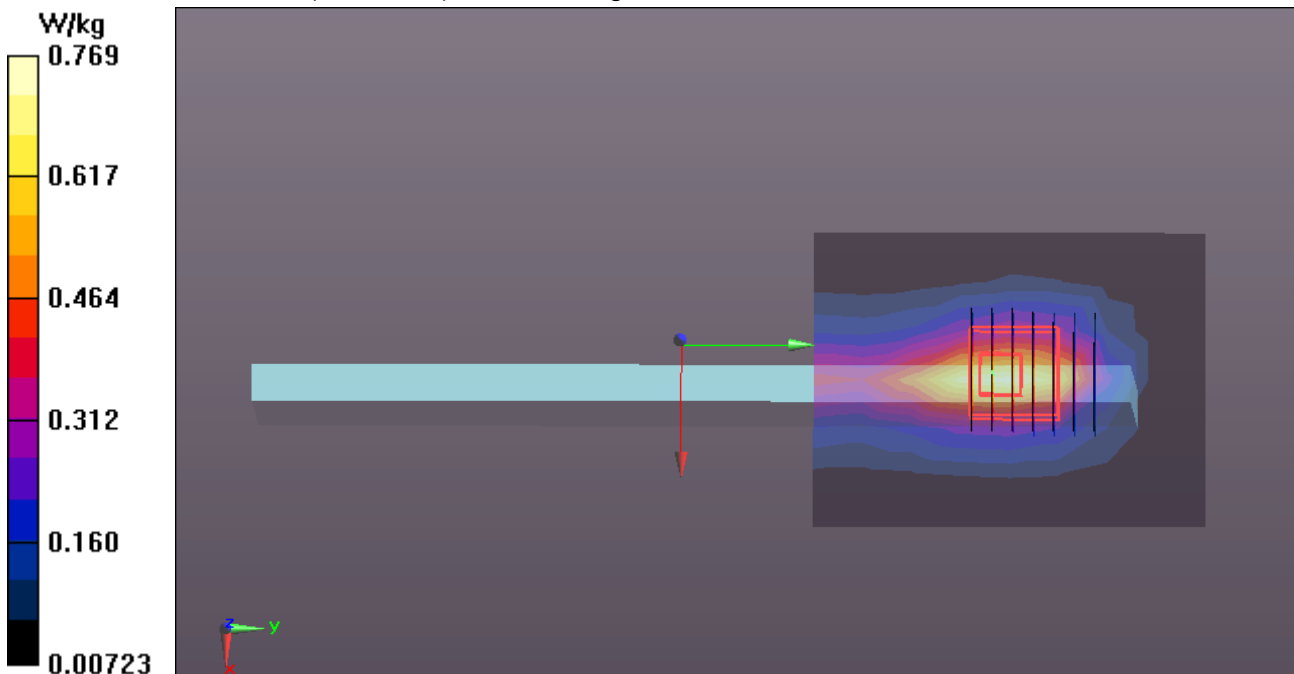
**WIFI/IEEE802.11b Body Edge 2 High CH11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.20 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.257 W/kg**

Maximum value of SAR (measured) = 0.769 W/kg







Test Laboratory: Compliance Certification Services Inc.

Date: 8/20/2014

**WIFI-Body Rear High CH11 repeat with battery 1**

**DUT: Tablet Computer; Type: A1412; 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: 2mm (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 repeat/Area Scan (9x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.54 W/kg

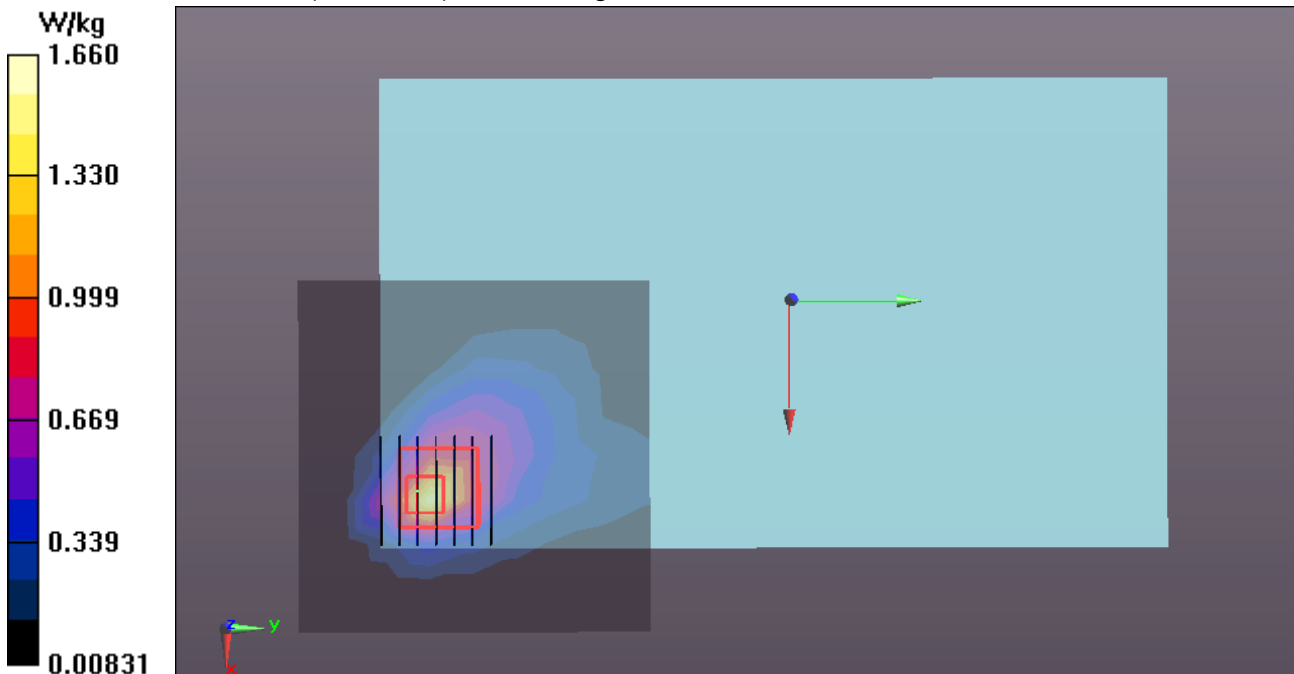
**WIFI/IEEE802.11b Body Rear High CH11 repeat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.571 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.43 W/kg

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.464 W/kg**

Maximum value of SAR (measured) = 1.66 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2014

**WIFI-Body-Edge 1 High CH11 repeat with battery 1**

**DUT: Tablet Computer; Type: A1412; 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: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS5 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11b Body Edge 1 High CH11 repeat/Area Scan (8x7x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.10 W/kg

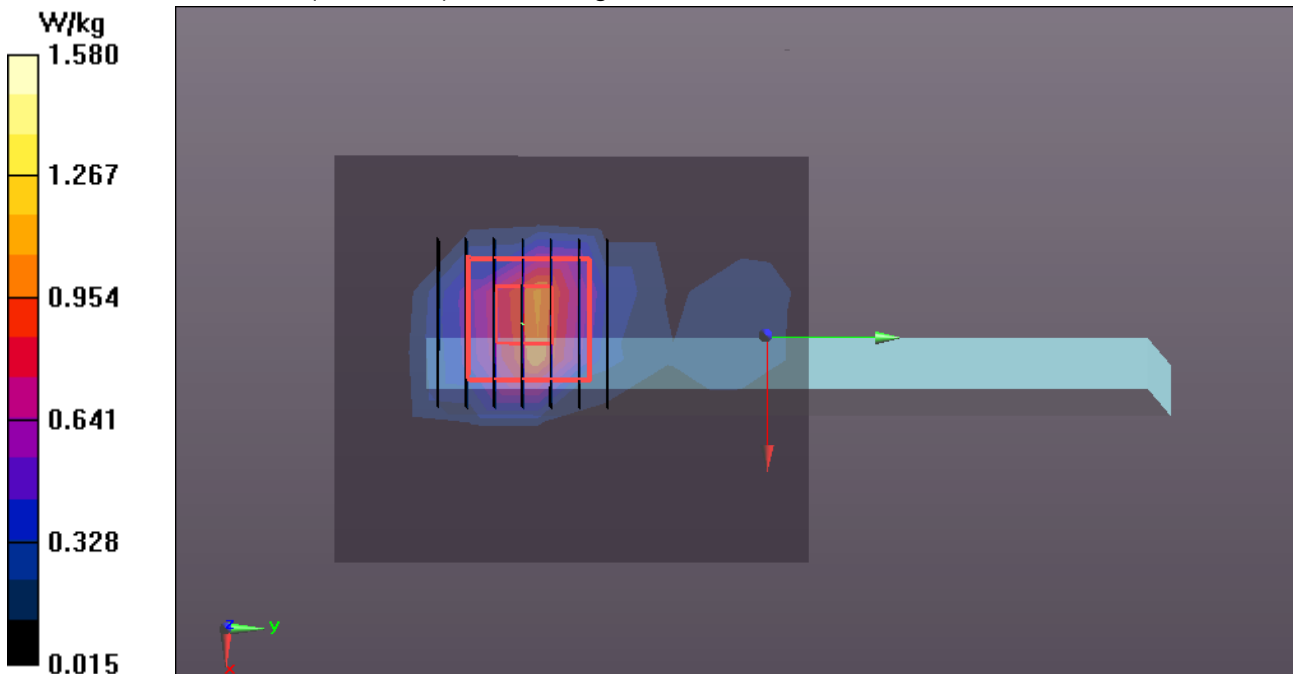
**WIFI/IEEE802.11b Body Edge 1 High CH11 repeat/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.33 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.21 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.400 W/kg**

Maximum value of SAR (measured) = 1.58 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2014

**WIFI-Body Rear High CH11 with battery 2**

**DUT: Tablet Computer; Type: A1412; 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: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASY52 52.8.8(1222);
- SEMCAD X Version 14.6.10 (7331)

**WIFI/IEEE802.11b Body Rear High CH11/Area Scan (9x9x1):**

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

Maximum value of SAR (measured) = 1.74 W/kg

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

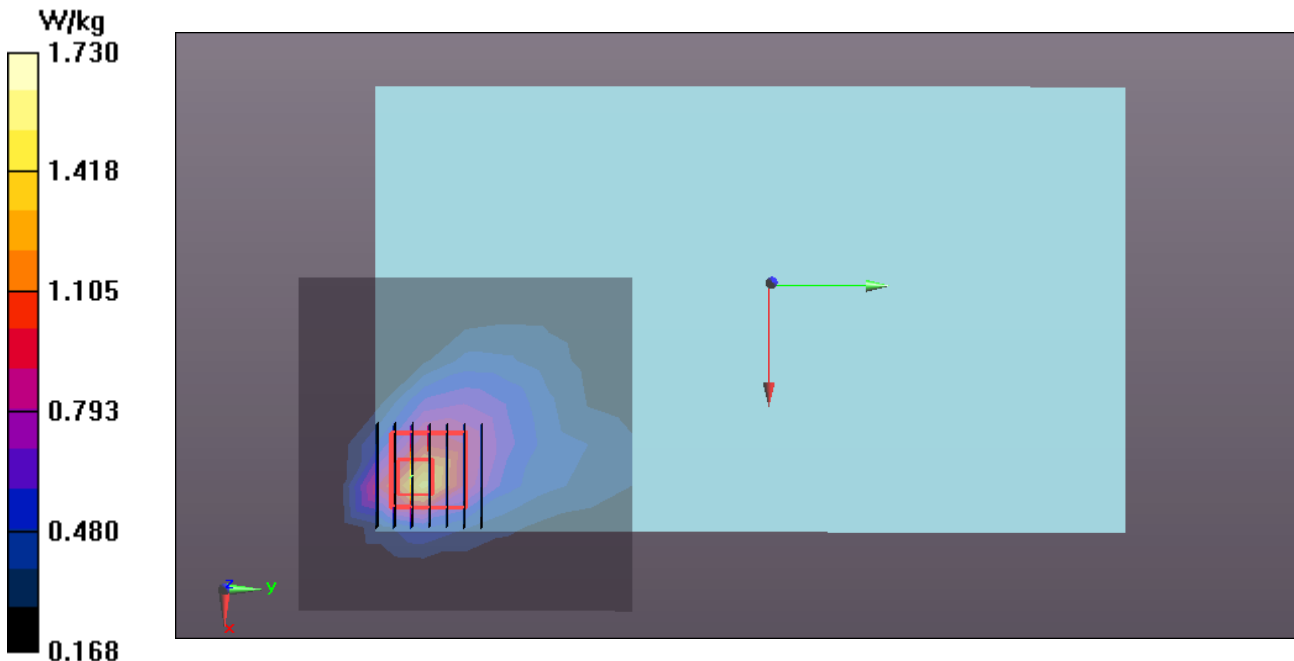
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.98 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.474 W/kg**

Maximum value of SAR (measured) = 1.73 W/kg





Test Laboratory: Compliance Certification Services Inc.

Date: 8/21/2014

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

**DUT: Tablet Computer; Type: A1412; 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: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3753; ConvF(7.31, 7.31, 7.31); Calibrated: 3/26/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 12/18/2013
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1102
- DASYS5 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) = 1.68 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 = 10.25 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.83 W/kg

**SAR(1 g) = 0.998 W/kg; SAR(10 g) = 0.398 W/kg**

Maximum value of SAR (measured) = 1.614 W/kg

