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**APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION**

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Date/Time: 1/27/2011 9:57:40 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE850\_4\_Slots\_mid\_chan\_amb\_temp\_23.3\_liq\_tem  
p\_21.6C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 850 (4 slots); Frequency: 836.8 MHz; Duty Cycle: 1:2.1  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position - Low/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.825 mW/g

**Touch position - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.77 V/m; Power Drift = -0.208 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.582 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.831 mW/g

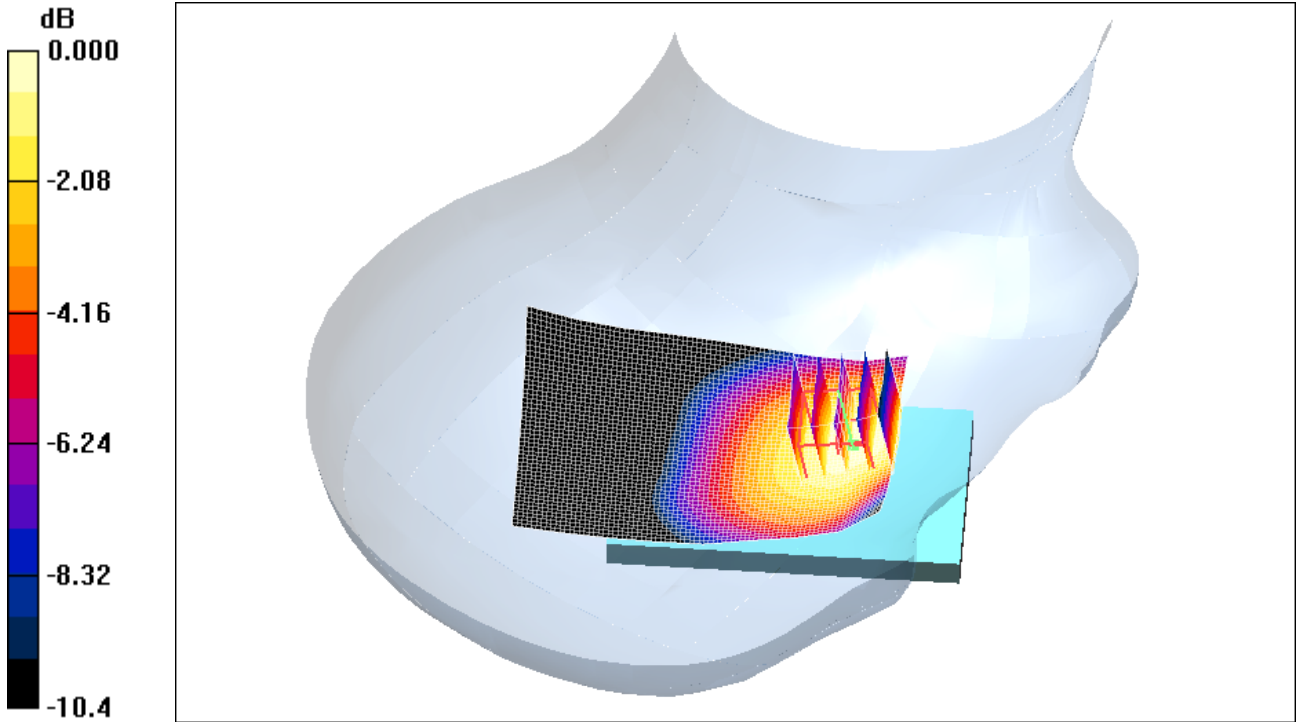
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.831mW/g

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Date/Time: 1/27/2011 9:42:57 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE850\_3\_Slots\_mid\_chan\_amb\_temp\_23.3\_liq\_tem  
p\_21.6C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 850 (3 slots); Frequency: 836.8 MHz; Duty Cycle: 1:2.8  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position - Low/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.821 mW/g

**Touch position - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.69 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.955 W/kg

**SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.551 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.798 mW/g

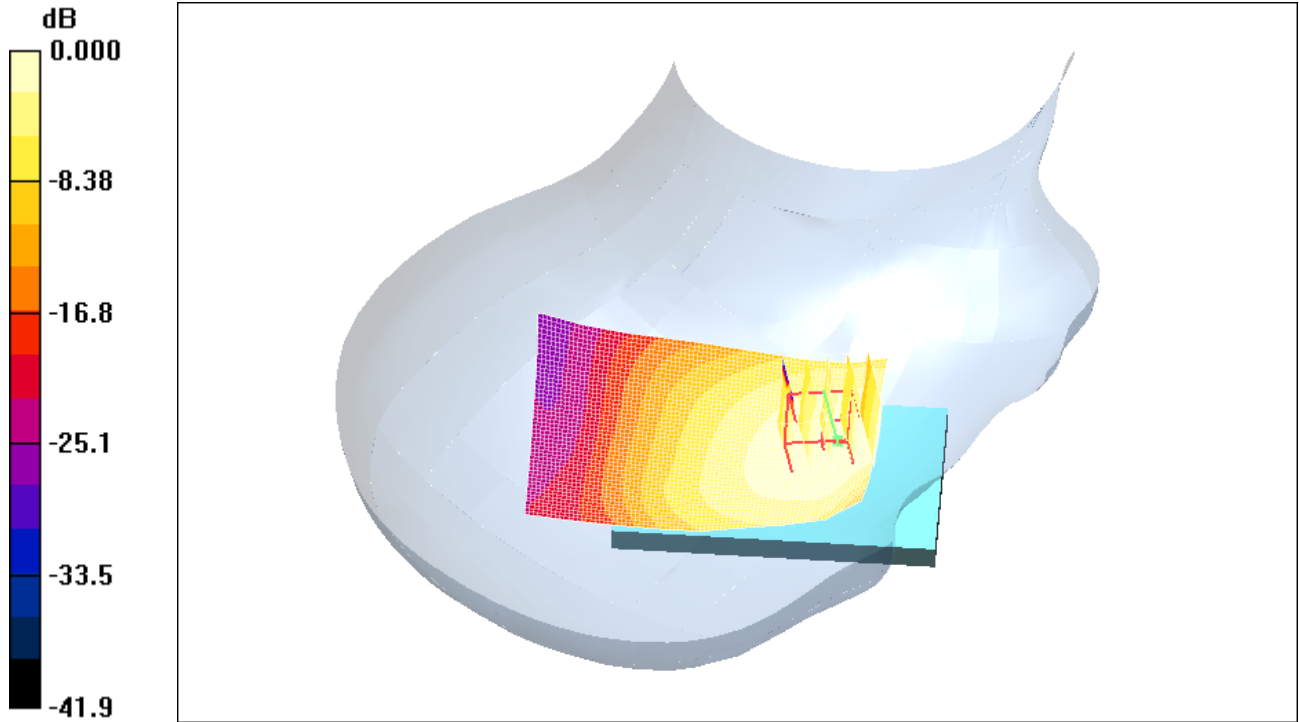
Author Data  
**Hang Wang**

Dates of Test  
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Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
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**2503A-RDQ70UW**



0 dB = 0.798mW/g

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Date/Time: 1/27/2011 8:57:23 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE850\_low\_chan\_amb\_temp\_23.2\_liq\_temp\_21.5C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.893$  mho/m;  $\epsilon_r = 42.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position - Low/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.777 mW/g

**Touch position - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.47 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 0.924 W/kg

**SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.526 mW/g**

Maximum value of SAR (measured) = 0.757 mW/g

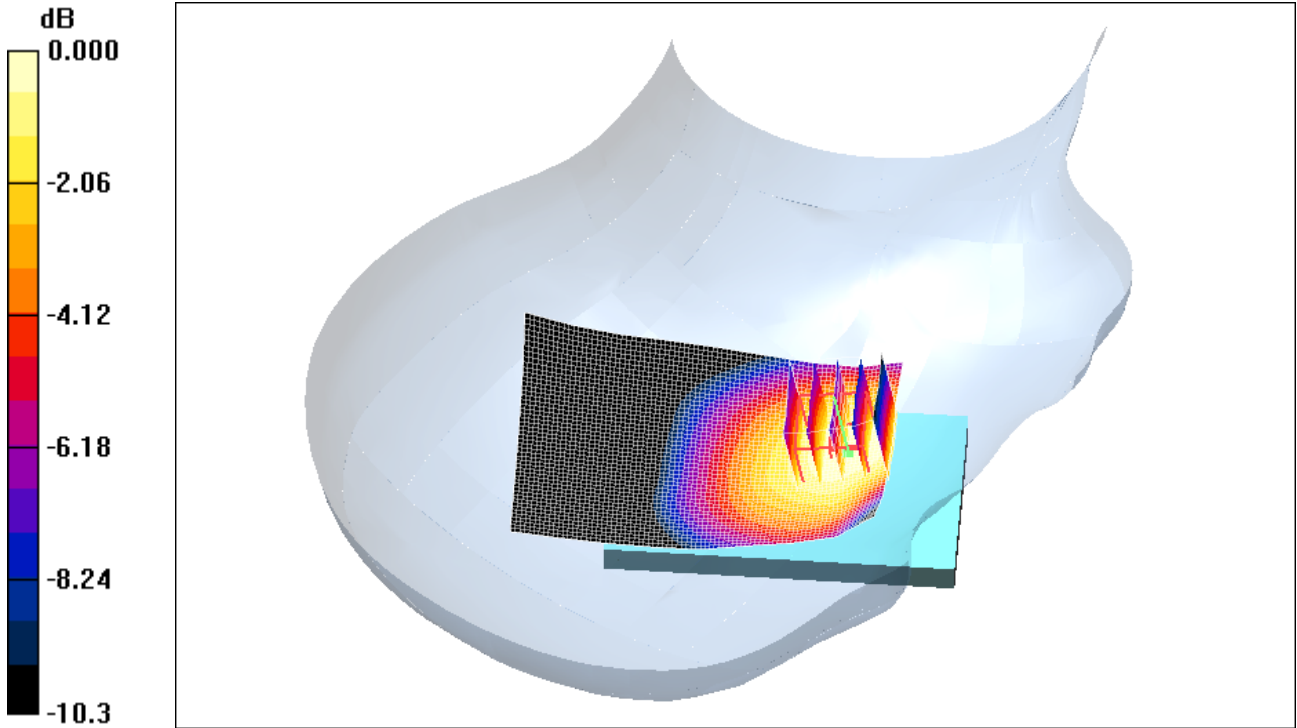
Author Data  
**Hang Wang**

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**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
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0 dB = 0.757mW/g

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Date/Time: 1/27/2011 8:39:28 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE850\_mid\_chan\_amb\_temp\_23.4\_liq\_temp\_21.7C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position - Low/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.924 mW/g

**Touch position - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.95 V/m; Power Drift = -0.203 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.612 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.876 mW/g



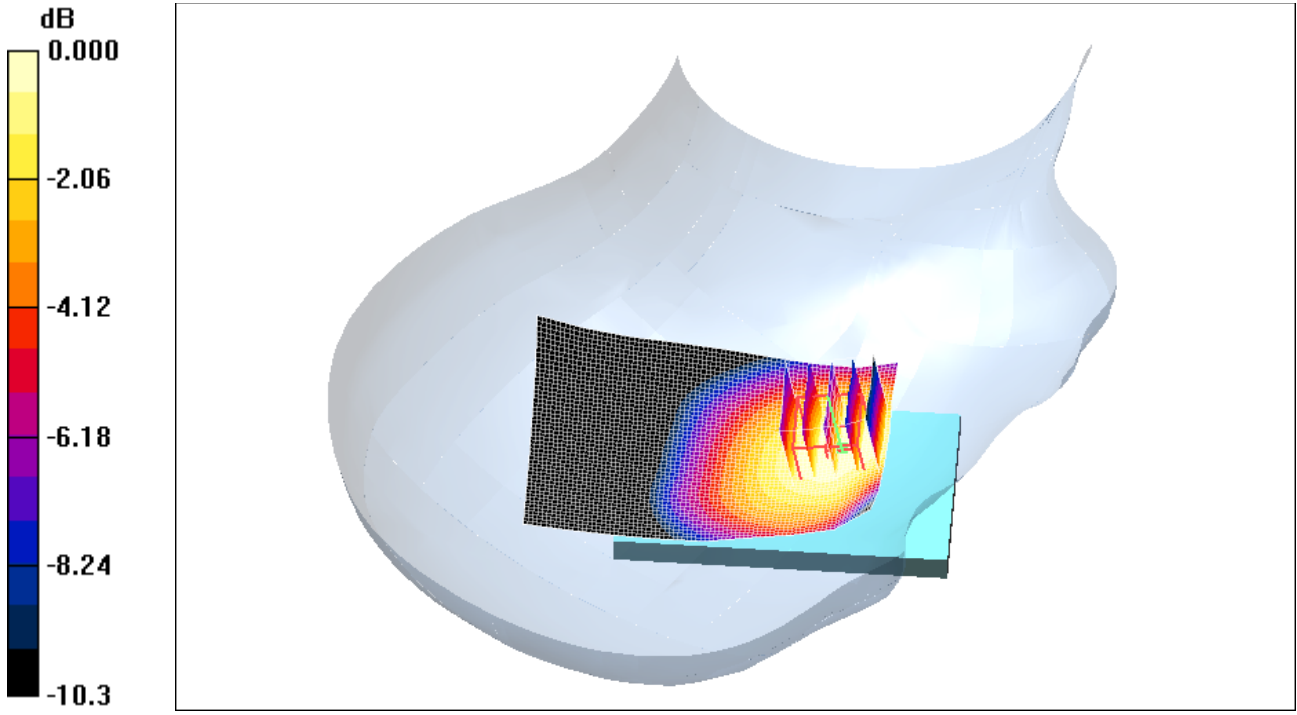
Author Data  
**Hang Wang**

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**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
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0 dB = 0.876mW/g

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Date/Time: 1/27/2011 9:13:11 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_EDGE850\_high\_chan\_amb\_temp\_23.2\_liq\_temp\_21.5C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 42$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position - Low/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.923 mW/g

**Touch position - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.03 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.613 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.891 mW/g

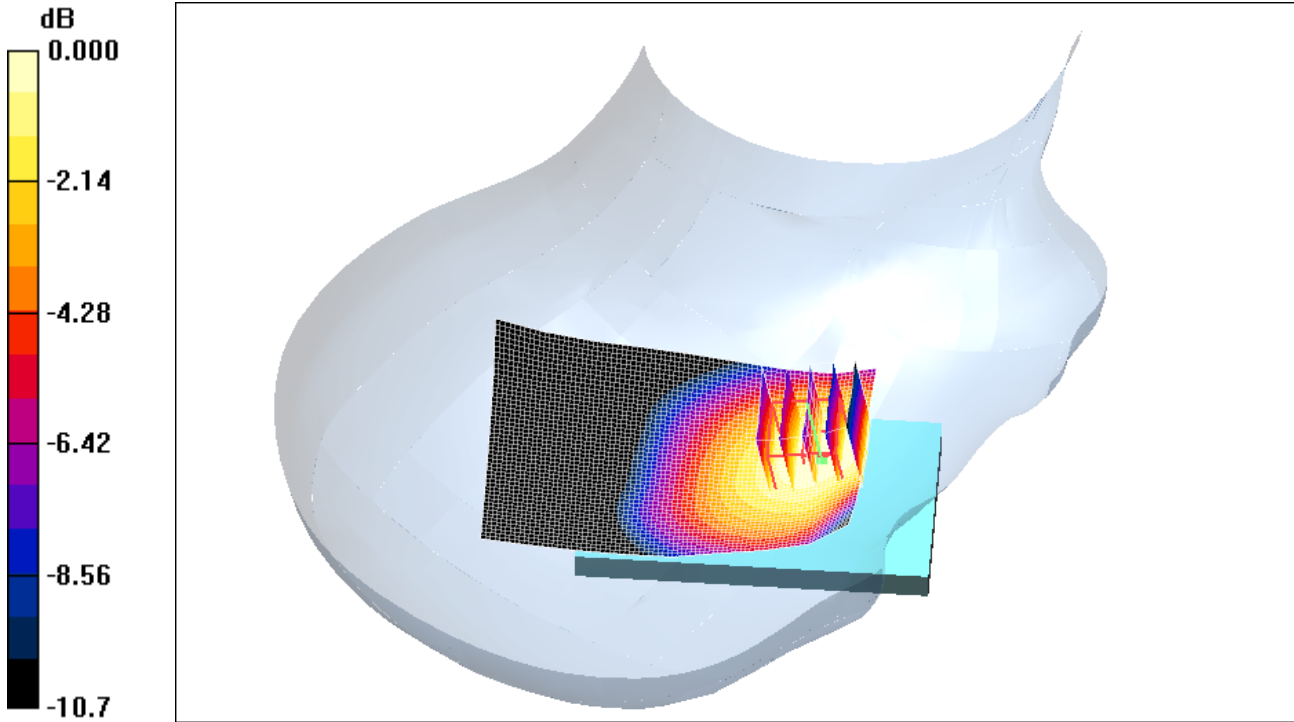
Author Data  
**Hang Wang**

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FCC ID:  
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0 dB = 0.891mW/g

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Date/Time: 1/27/2011 10:18:53 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_Tilt\_EDGE850\_mid\_chan\_Amb\_Tem\_23.3\_Liq\_Tem\_21 .6C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.461 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.2 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.517 W/kg

**SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.329 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.451 mW/g

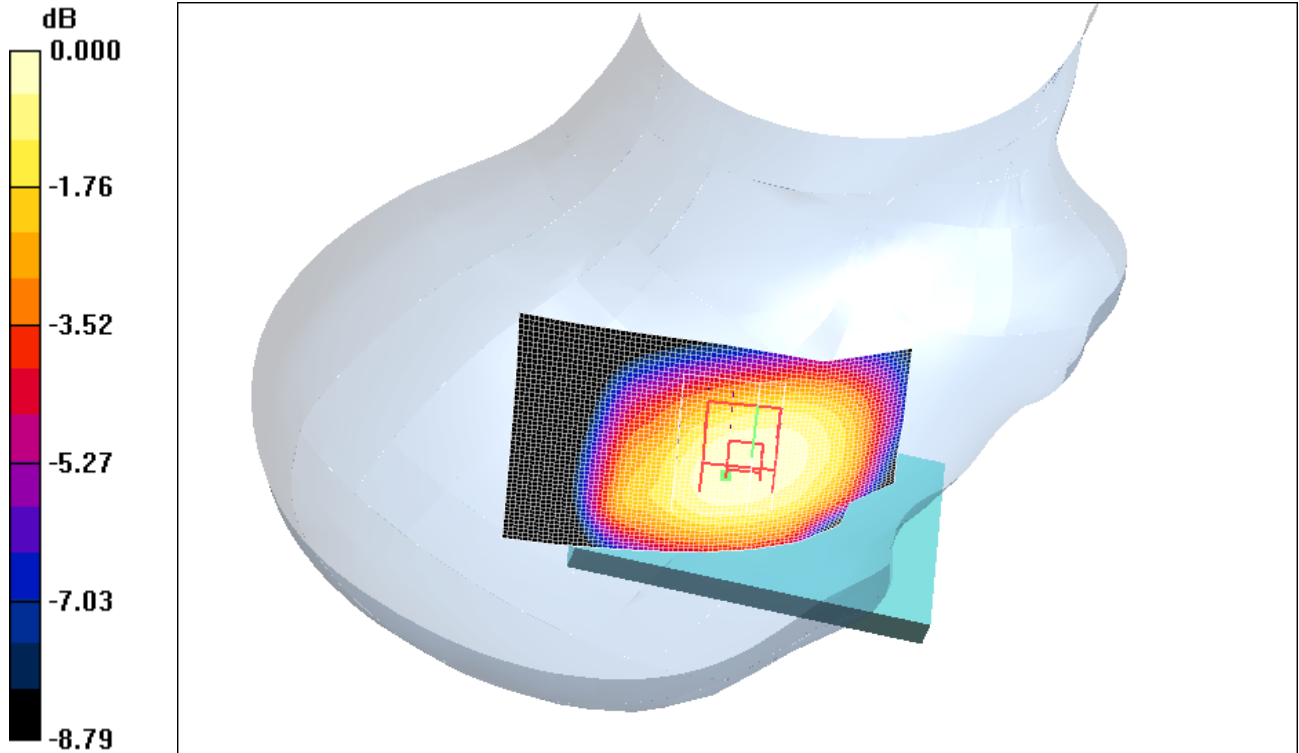
Author Data  
**Hang Wang**

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FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
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0 dB = 0.451mW/g

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Date/Time: 1/27/2011 10:33:59 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_GSM850\_mid\_chan\_amb\_temp\_23.3\_liq\_temp\_21.6C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: GSM 850; Frequency: 836.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position - Low/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.802 mW/g

**Touch position - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.44 V/m; Power Drift = -0.411 dB

Peak SAR (extrapolated) = 0.940 W/kg

**SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.540 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.784 mW/g

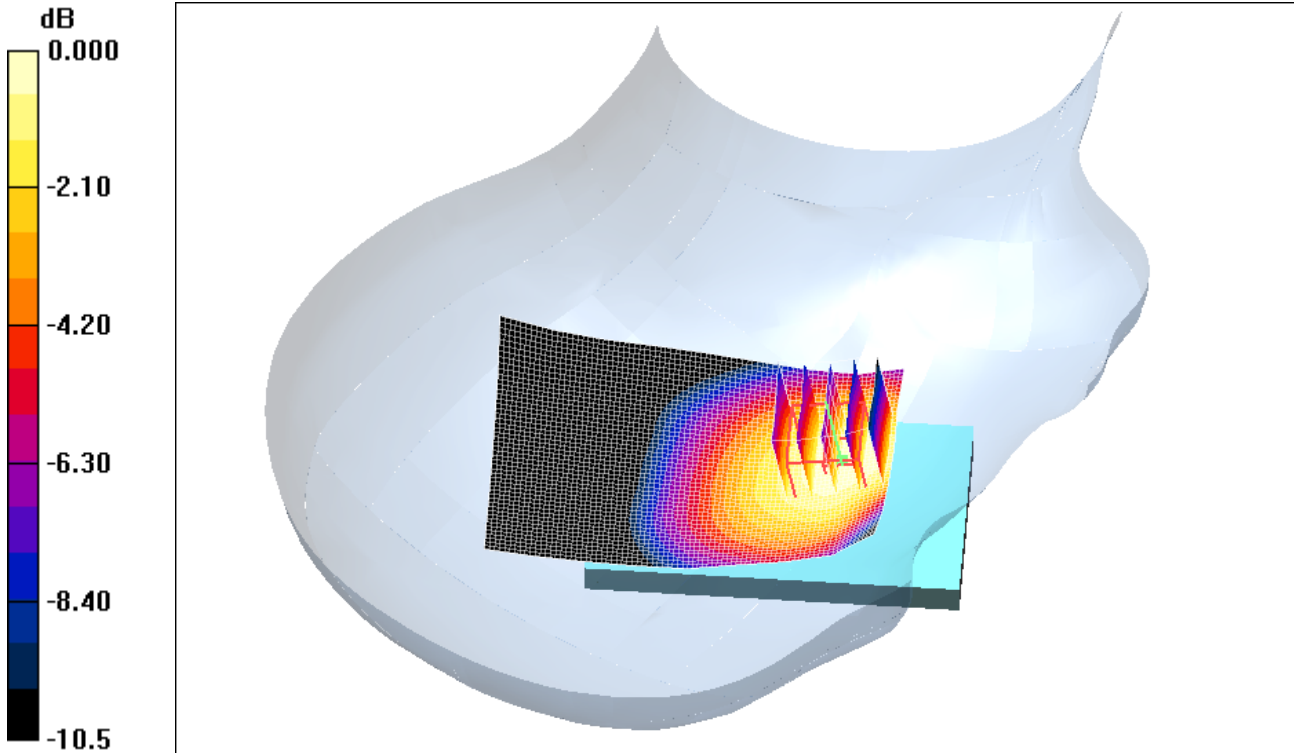
Author Data  
**Hang Wang**

Dates of Test  
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Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
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0 dB = 0.784mW/g

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Date/Time: 1/28/2011 12:26:12 AM

Test Laboratory: RIM Testing Services

**LeftHandSide\_EDGE850\_4\_Slots\_mid\_chan\_amb\_temp\_23.1\_liq\_temp\_21.4C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 850 (4 slots); Frequency: 836.8 MHz; Duty Cycle: 1:2.1  
Medium parameters used (interpolated):  $f = 836.8 \text{ MHz}$ ;  $\sigma = 0.904 \text{ mho/m}$ ;  $\epsilon_r = 42.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.699 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.97 V/m; Power Drift = 0.053 dB

Peak SAR (extrapolated) = 0.821 W/kg

**SAR(1 g) = 0.679 mW/g; SAR(10 g) = 0.517 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.716 mW/g



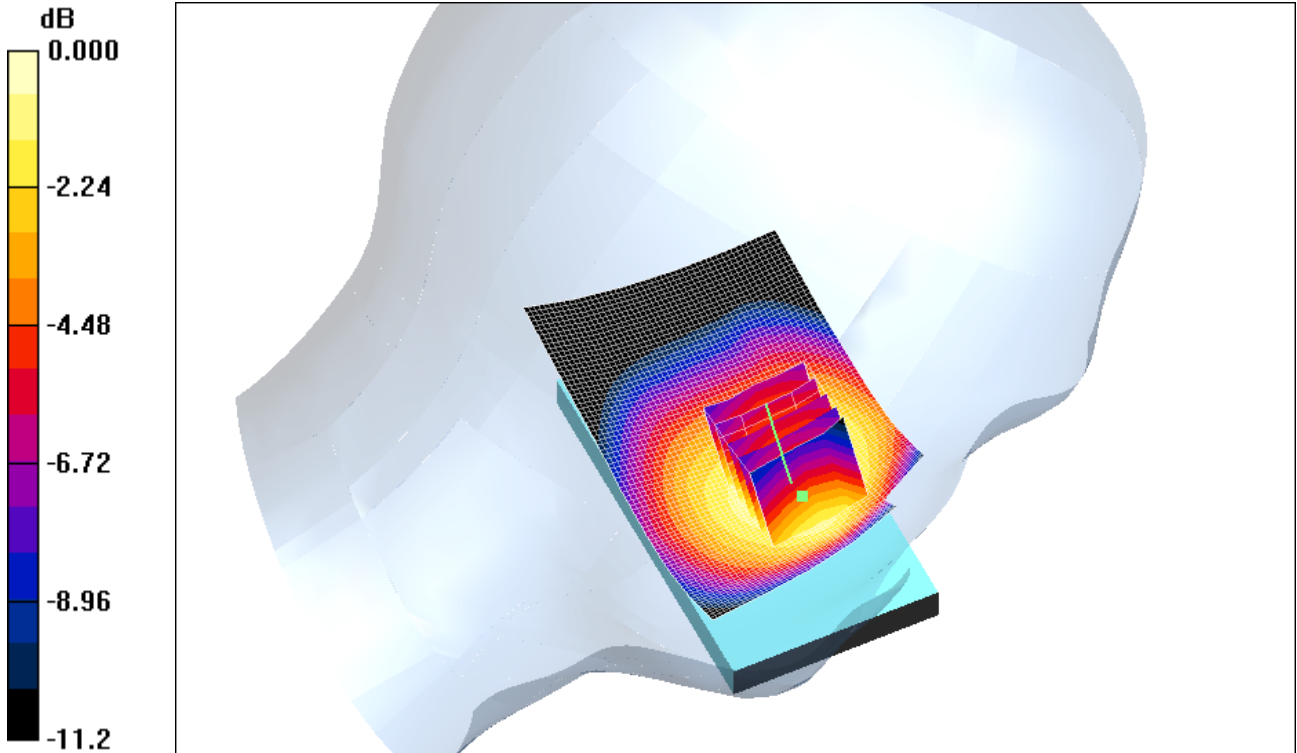
Author Data  
**Hang Wang**

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**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
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0 dB = 0.716mW/g

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Date/Time: 1/28/2011 12:07:55 AM

Test Laboratory: RIM Testing Services

## LeftHandSide\_EDGE850\_3\_Slots\_mid\_chan\_amb\_temp\_23.1\_liq\_temp\_21.4C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 850 (3 slots); Frequency: 836.8 MHz; Duty Cycle: 1:2.8  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.735 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm


Reference Value = 9.42 V/m; Power Drift = -0.543 dB

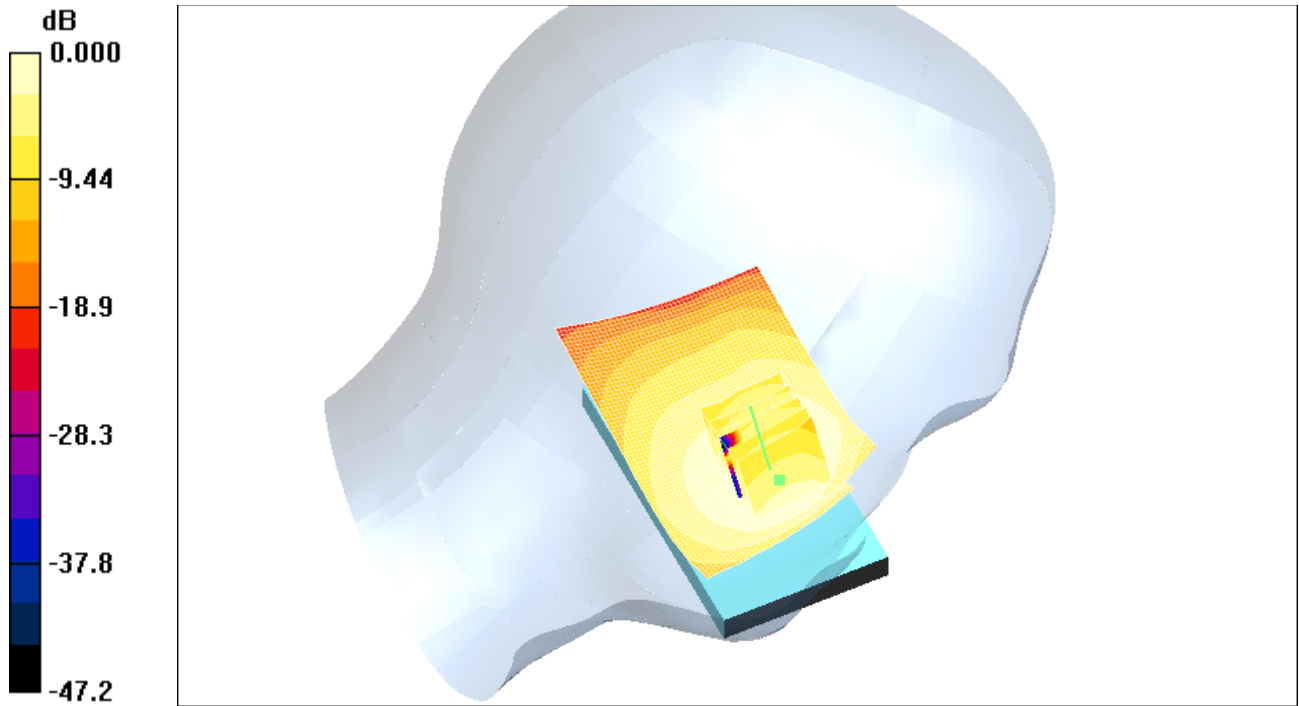
Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.530 mW/g**


[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.718 mW/g

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0 dB = 0.718mW/g

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Date/Time: 1/27/2011 11:31:52 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_EDGE850\_mid\_chan\_amb\_temp\_23.1\_liq\_temp\_21.4C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz;Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.820 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.80 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 0.899 W/kg

**SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.574 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.789 mW/g

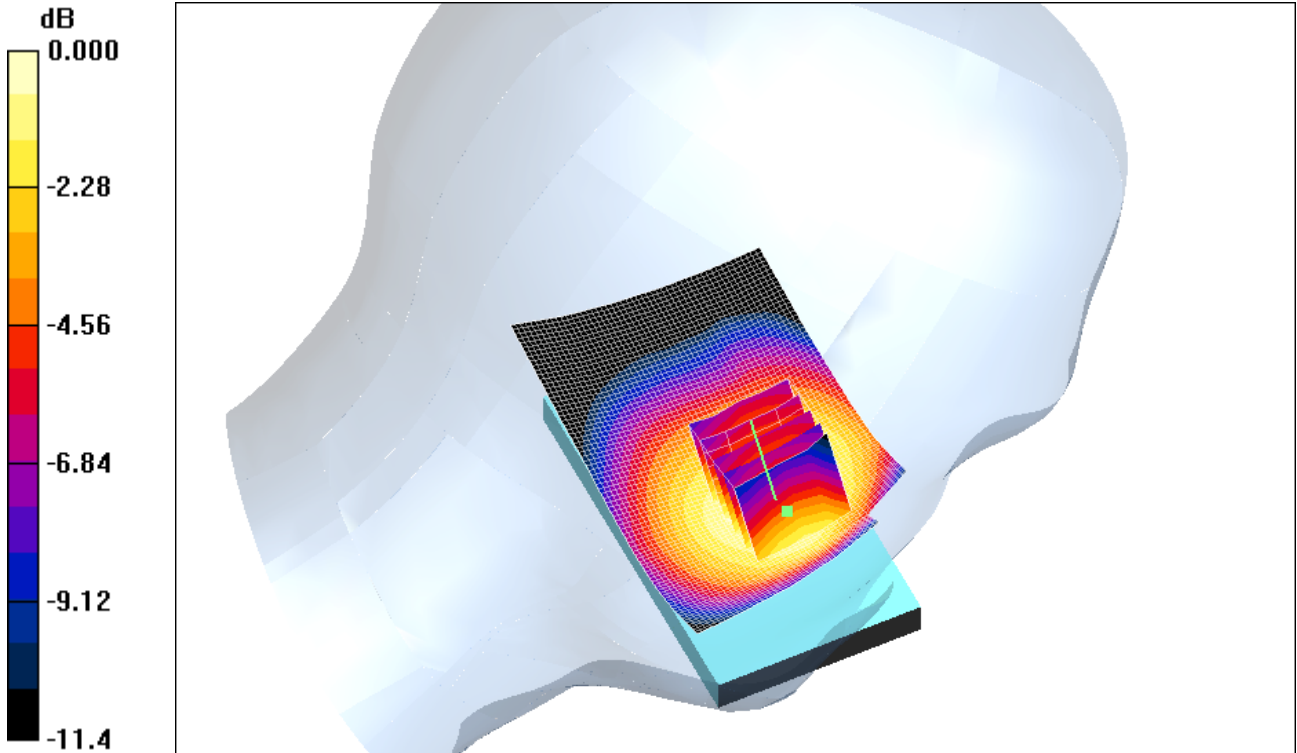
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.789mW/g

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Date/Time: 1/28/2011 12:41:39 AM

Test Laboratory: RIM Testing Services

## LeftHandSide\_Tilt\_EDGE850\_mid\_chan\_Amb\_Tem\_23.2\_Liq\_Tem\_21.5 \_C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 836.8 \text{ MHz}$ ;  $\sigma = 0.904 \text{ mho/m}$ ;  $\epsilon_r = 42.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.431 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

$dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 13.8 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 0.492 W/kg

**SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.306 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.420 mW/g

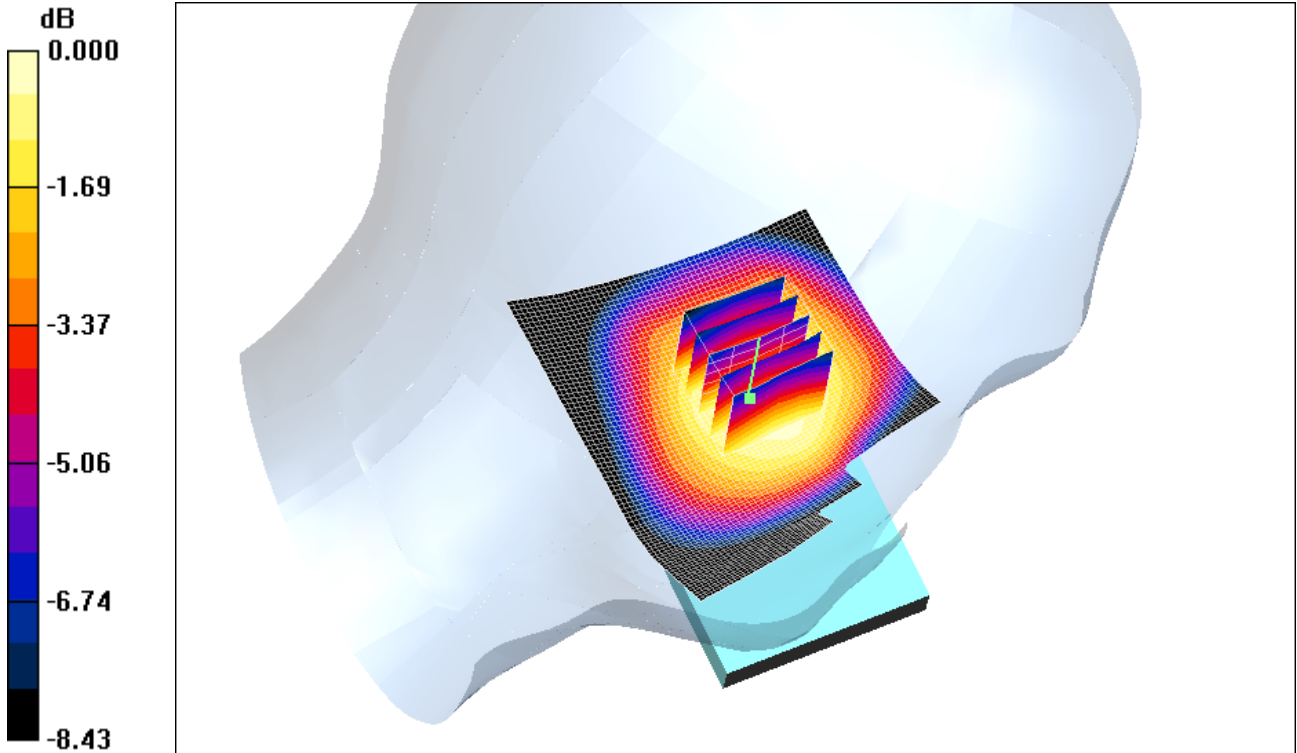
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.420mW/g

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Date/Time: 1/28/2011 12:57:13 AM

Test Laboratory: RIM Testing Services

## LeftHandSide\_GSM850\_mid\_chan\_amb\_temp\_23.1\_liq\_temp\_21.4C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: GSM 850; Frequency: 836.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.722 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.62 V/m; Power Drift = -0.314 dB

Peak SAR (extrapolated) = 0.829 W/kg

**SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.517 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.717 mW/g



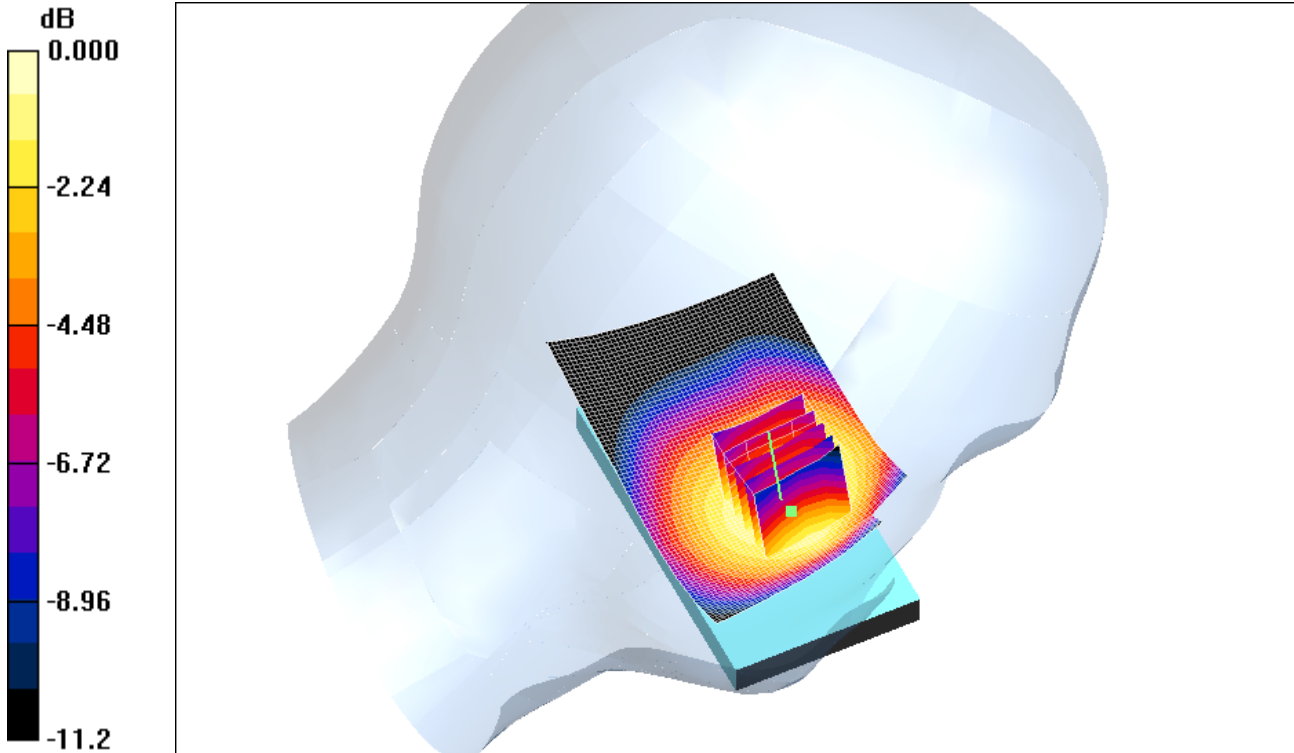
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.717mW/g

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Date/Time: 1/28/2011 3:46:58 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_CDMA800\_mid\_chan\_amb\_temp\_23.3\_liq\_temp\_22.1C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position - Mid/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.748 mW/g

**Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm


Reference Value = 9.41 V/m; Power Drift = -0.403 dB

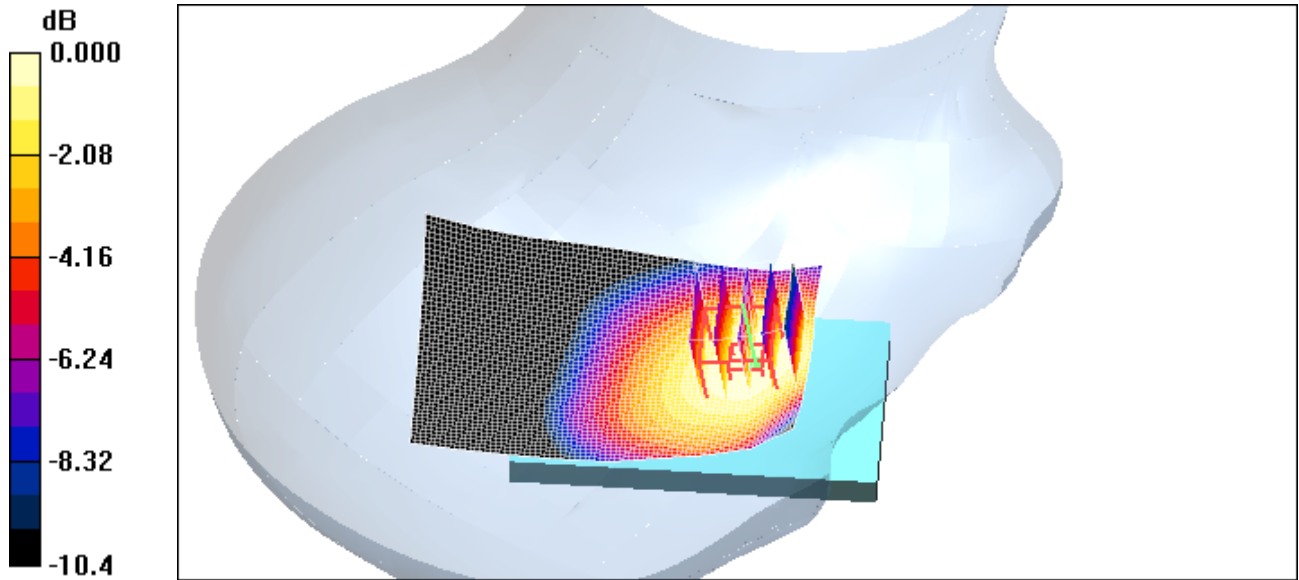
Peak SAR (extrapolated) = 0.845 W/kg

**SAR(1 g) = 0.684 mW/g; SAR(10 g) = 0.509 mW/g**


[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.727 mW/g

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0 dB = 0.727mW/g

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Date/Time: 1/28/2011 4:03:03 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_Tilt\_CDMA800\_mid\_chan\_amb\_temp\_23.2\_liq\_temp\_22  
.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position - Mid/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.389 mW/g

**Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 0.448 W/kg

**SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.280 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.388 mW/g

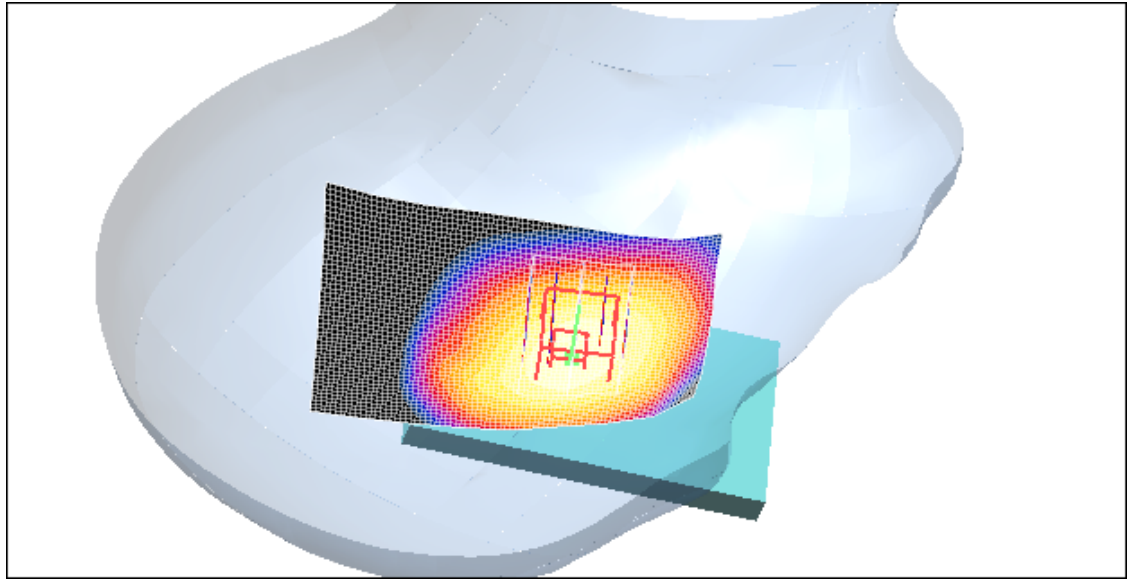
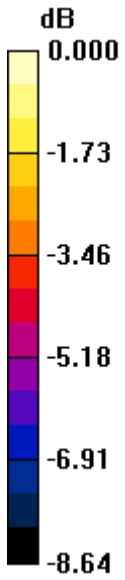
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.388mW/g

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Date/Time: 1/28/2011 4:18:46 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_CDMA800\_mid\_chan\_amb\_temp\_23.2\_liq\_temp\_22.0C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.659 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm


Reference Value = 9.34 V/m; Power Drift = -0.182 dB

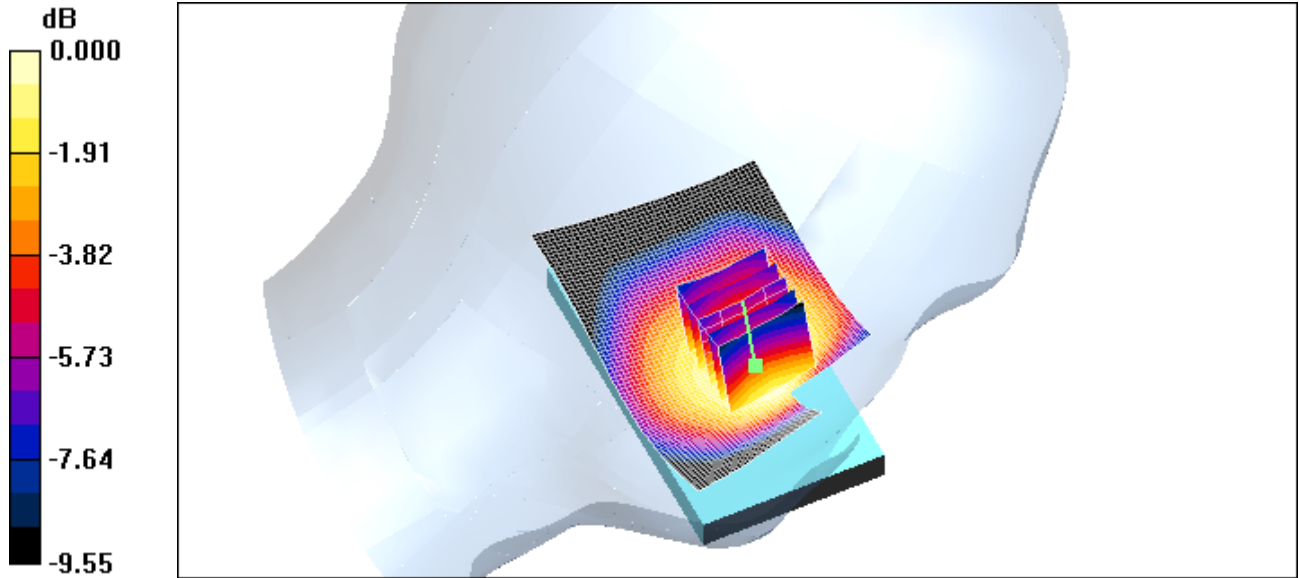
Peak SAR (extrapolated) = 0.733 W/kg

**SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.470 mW/g**


[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.647 mW/g

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0 dB = 0.647mW/g

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Date/Time: 1/28/2011 4:36:27 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_Tilt\_CDMA800\_mid\_chan\_amb\_temp\_23.2\_liq\_temp\_22.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.904$  mho/m;  $\epsilon_r = 42.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.355 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = -0.018 dB


Peak SAR (extrapolated) = 0.410 W/kg

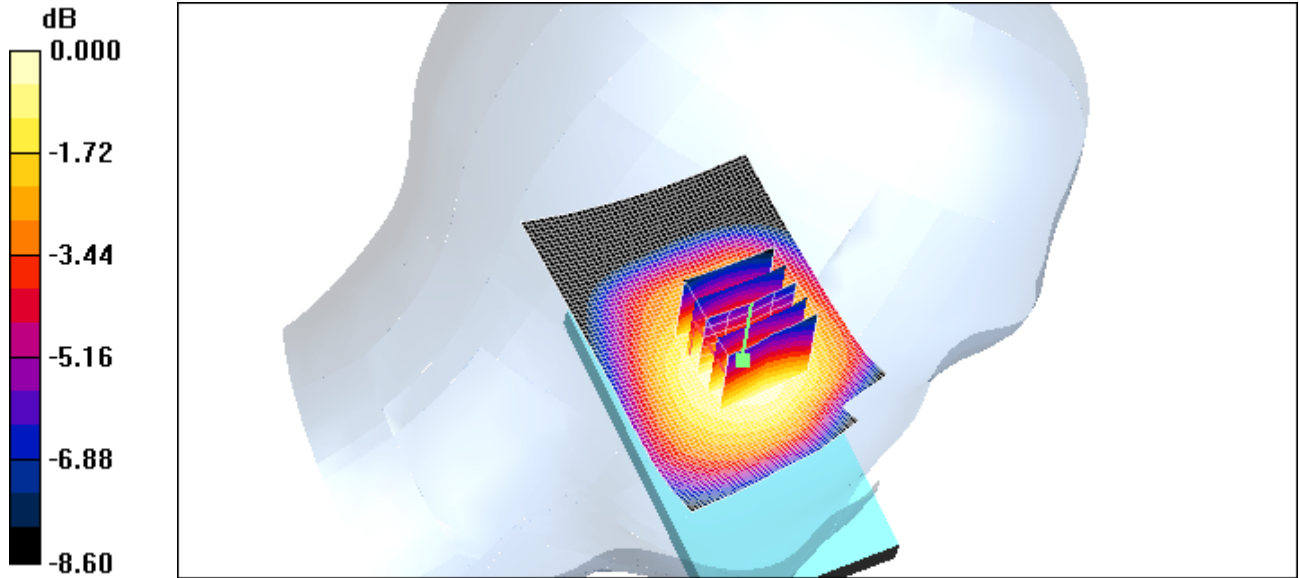
**SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.255 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)


Maximum value of SAR (measured) = 0.352 mW/g



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0 dB = 0.352mW/g

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Date/Time: 1/20/2011 1:40:37 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_CDMA1900\_low\_chan\_Amb\_Tem\_23.5\_Liq\_Tem\_22.1**

**C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: CDMA 1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.29$  mho/m;  $\epsilon_r = 40.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.09, 5.09, 5.09); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.983 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm


Reference Value = 9.68 V/m; Power Drift = -0.153 dB

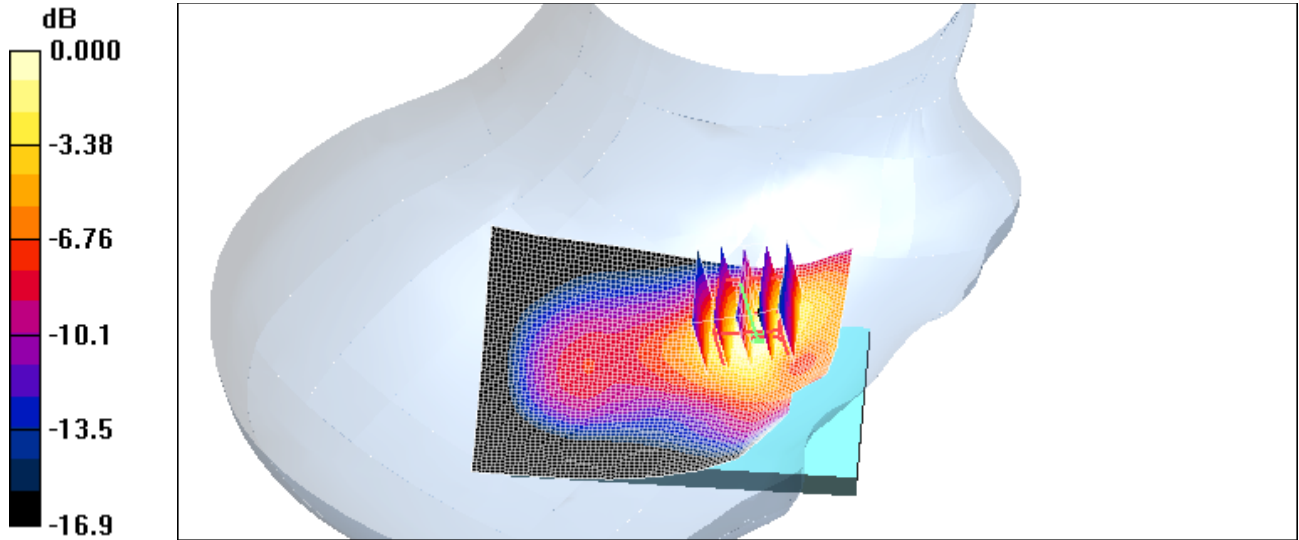
Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.898 mW/g; SAR(10 g) = 0.506 mW/g**


[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.971 mW/g

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0 dB = 0.971mW/g

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Date/Time: 1/20/2011 1:24:26 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_CDMA1900\_mid\_chan\_Amb\_Tem\_23.8\_Liq\_Tem\_22.3**

**C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**


Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.32$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASY4 (High Precision Assessment)

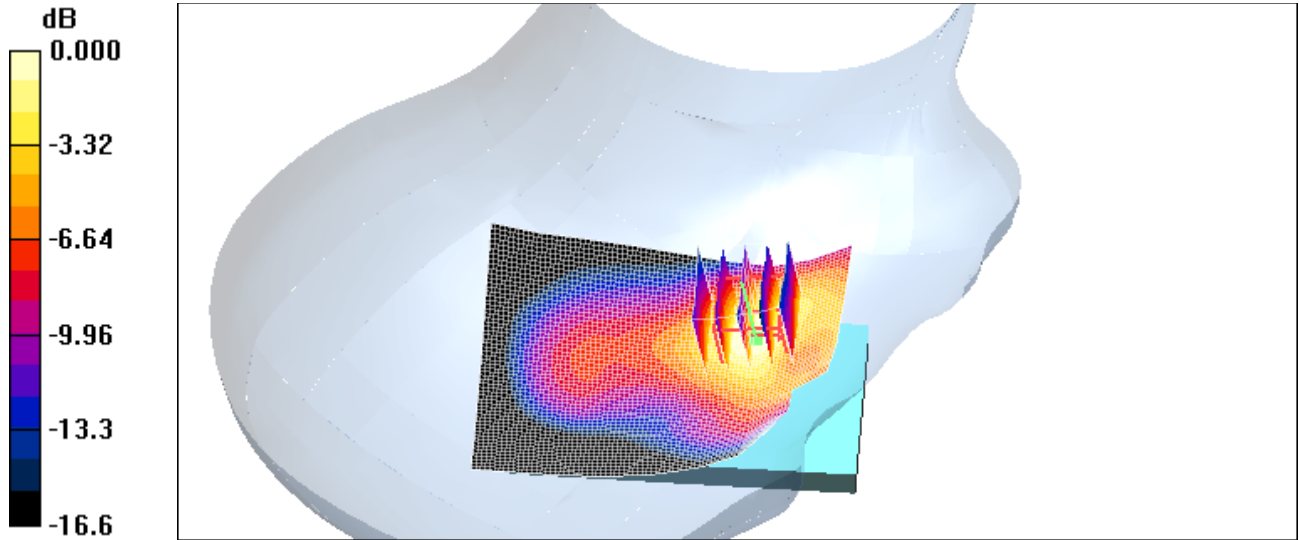
DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.09, 5.09, 5.09); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186


**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.924 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 9.74 V/m; Power Drift = -0.177 dB  
Peak SAR (extrapolated) = 1.35 W/kg  
**SAR(1 g) = 0.825 mW/g; SAR(10 g) = 0.463 mW/g**  
Maximum value of SAR (measured) = 0.867 mW/g

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0 dB = 0.867mW/g

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Date/Time: 1/20/2011 1:57:36 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_CDMA1900\_high\_chan\_Amb\_Tem\_23.5\_Liq\_Tem\_22.0**

**C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: CDMA 1900; Frequency: 1908.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1908.5$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.09, 5.09, 5.09); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.968 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm


Reference Value = 9.32 V/m; Power Drift = -0.121 dB

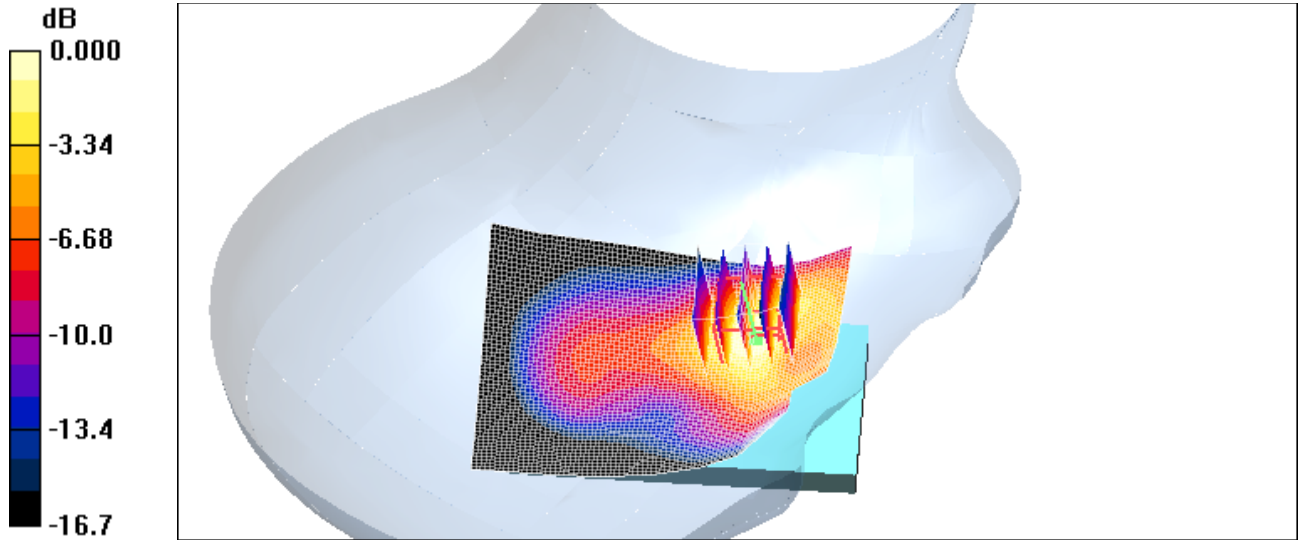
Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.485 mW/g**


[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.922 mW/g

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0 dB = 0.922mW/g

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Date/Time: 1/20/2011 2:38:06 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_Tilt\_CDMA1900\_mid\_chan\_Amb\_Tem\_23.8\_Liq\_Tem\_2 2.1C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.32$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DAS4 (High Precision Assessment)


DASY4 Configuration:

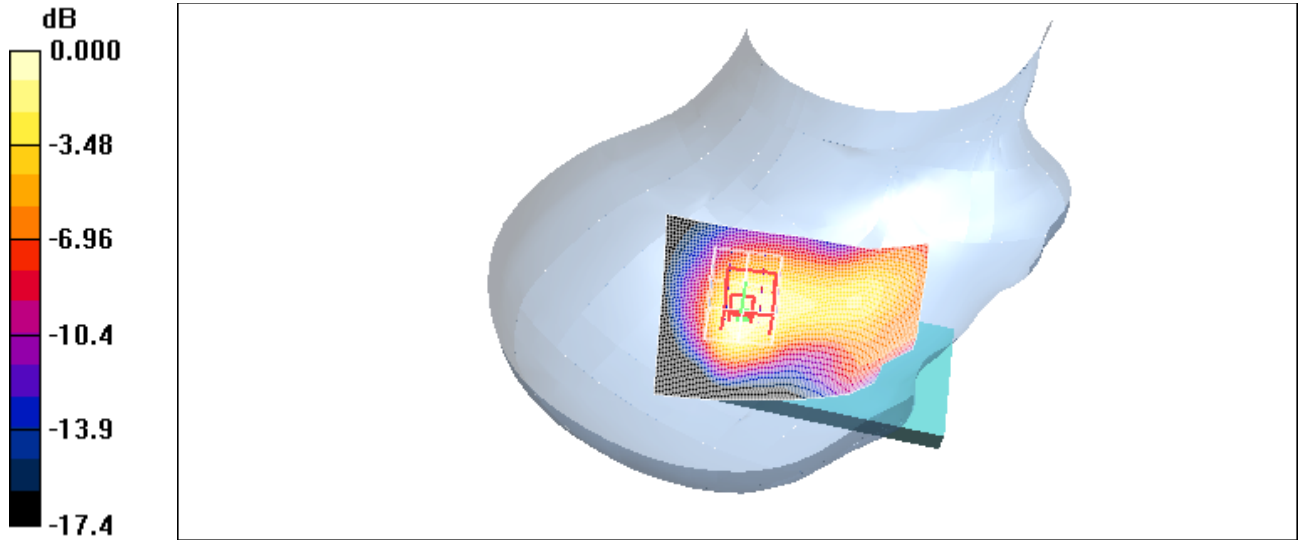
- Probe: ET3DV6 - SN1644; ConvF(5.09, 5.09, 5.09); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.354 mW/g


**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 14.5 V/m; Power Drift = -0.017 dB  
Peak SAR (extrapolated) = 0.433 W/kg  
**SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.164 mW/g**  
Maximum value of SAR (measured) = 0.301 mW/g



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0 dB = 0.301mW/g

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Date/Time: 1/20/2011 3:00:51 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_CDMA1900\_mid\_chan\_Amb\_Tem\_23.4\_Liq\_Tem\_21.9\_C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**


Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.32$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DAS4 (High Precision Assessment)

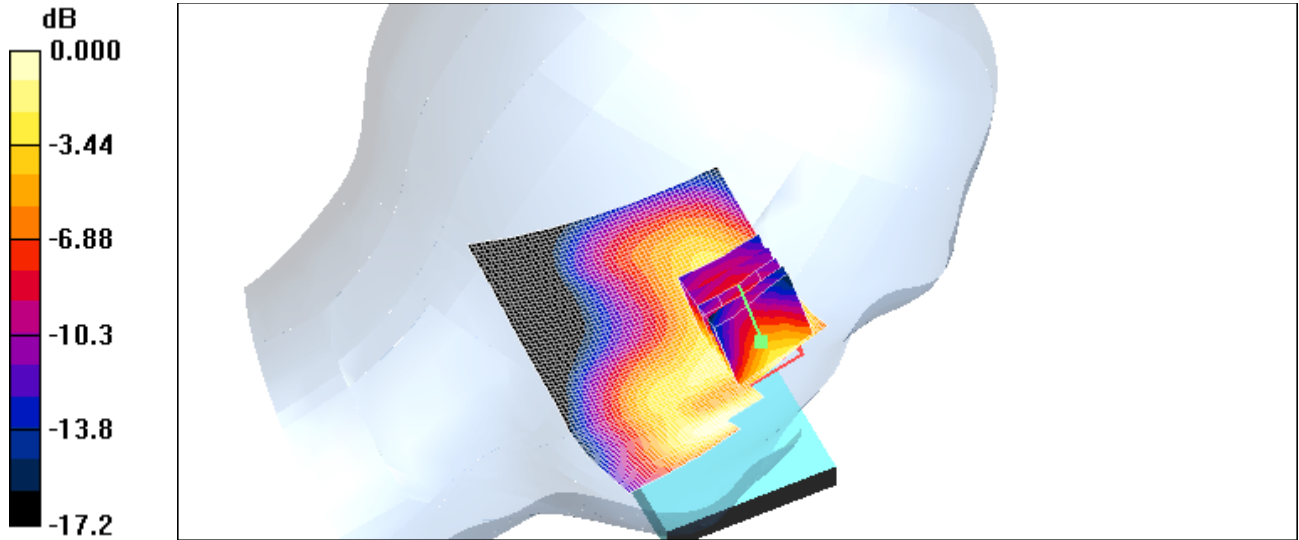
DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.09, 5.09, 5.09); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186


**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.406 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 6.38 V/m; Power Drift = -0.168 dB  
Peak SAR (extrapolated) = 0.526 W/kg  
**SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.221 mW/g**  
Maximum value of SAR (measured) = 0.394 mW/g

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0 dB = 0.394mW/g

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Date/Time: 1/20/2011 3:19:22 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_Tilt\_CDMA1900\_mid\_chan\_Amb\_Tem\_23.0\_Liq\_Tem\_21 .8\_C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**


Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.32$  mho/m;  $\epsilon_r = 39.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASY4 (High Precision Assessment)

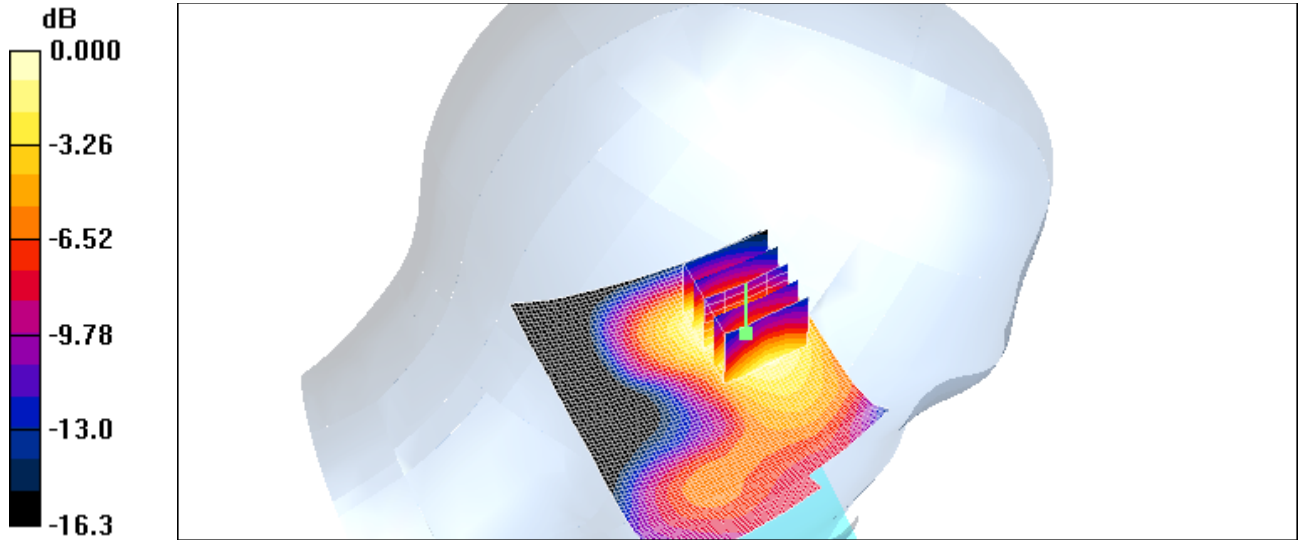
DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(5.09, 5.09, 5.09); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186


**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.306 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 10.1 V/m; Power Drift = 0.147 dB  
Peak SAR (extrapolated) = 0.407 W/kg  
**SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.164 mW/g**  
Maximum value of SAR (measured) = 0.288 mW/g

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0 dB = 0.288mW/g

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Date/Time: 1/25/2011 6:53:54 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE1900\_4\_Slots\_low\_chan\_Amb\_Tem\_23.6\_Liq\_Tem\_21.9C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900(4 slots); Frequency: 1850.2 MHz;Duty Cycle: 1:2.1

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.28$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.845 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.80 V/m; Power Drift = 0.210 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.418 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.816 mW/g

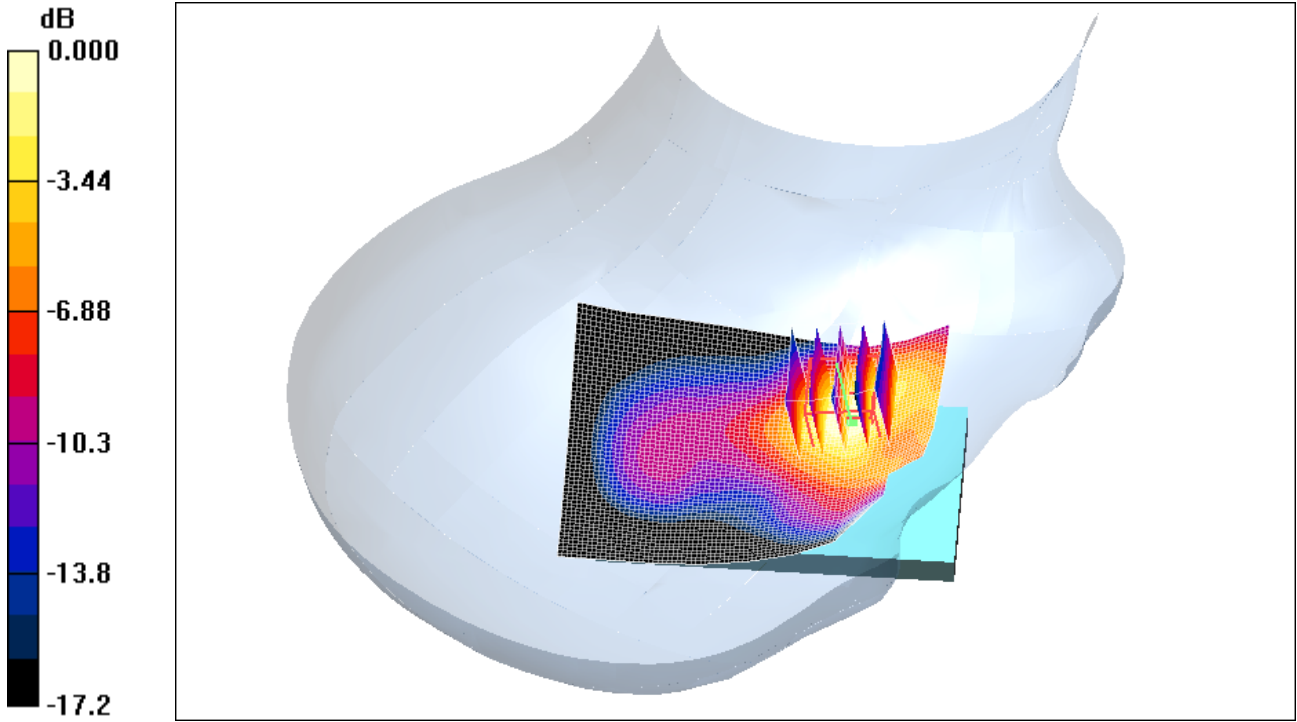
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.816mW/g

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Date/Time: 1/25/2011 6:25:44 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE1900\_3\_Slots\_low\_chan\_Amb\_Tem\_23.8\_Liq\_Tem\_22.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900(3 slots); Frequency: 1850.2 MHz;Duty Cycle: 1:4.2

Medium parameters used (interpolated):  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.28 \text{ mho/m}$ ;  $\epsilon_r = 38.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.804 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.90 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.396 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.772 mW/g



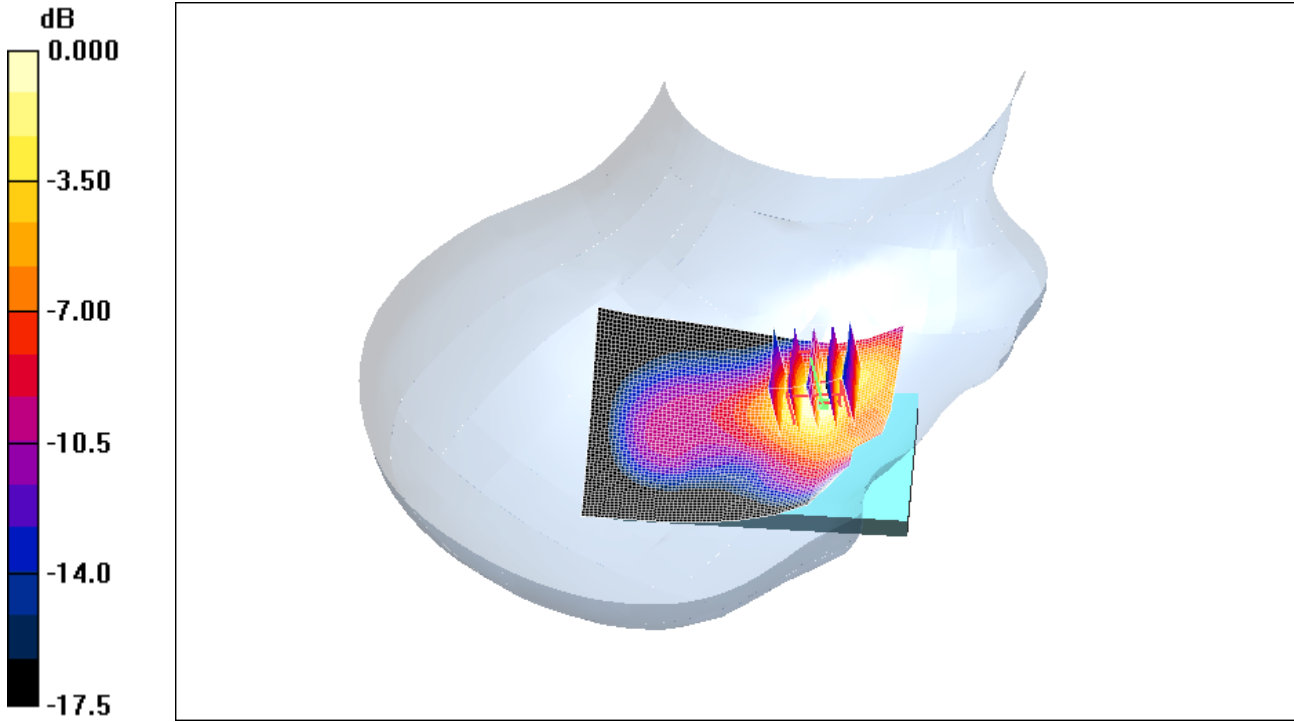
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.772mW/g

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Date/Time: 1/25/2011 5:14:56 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE1900\_low\_chan\_Amb\_Tem\_23.6\_Liq\_Tem\_21.9C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.28$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.811 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.41 V/m; Power Drift = 0.247 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.403 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.779 mW/g

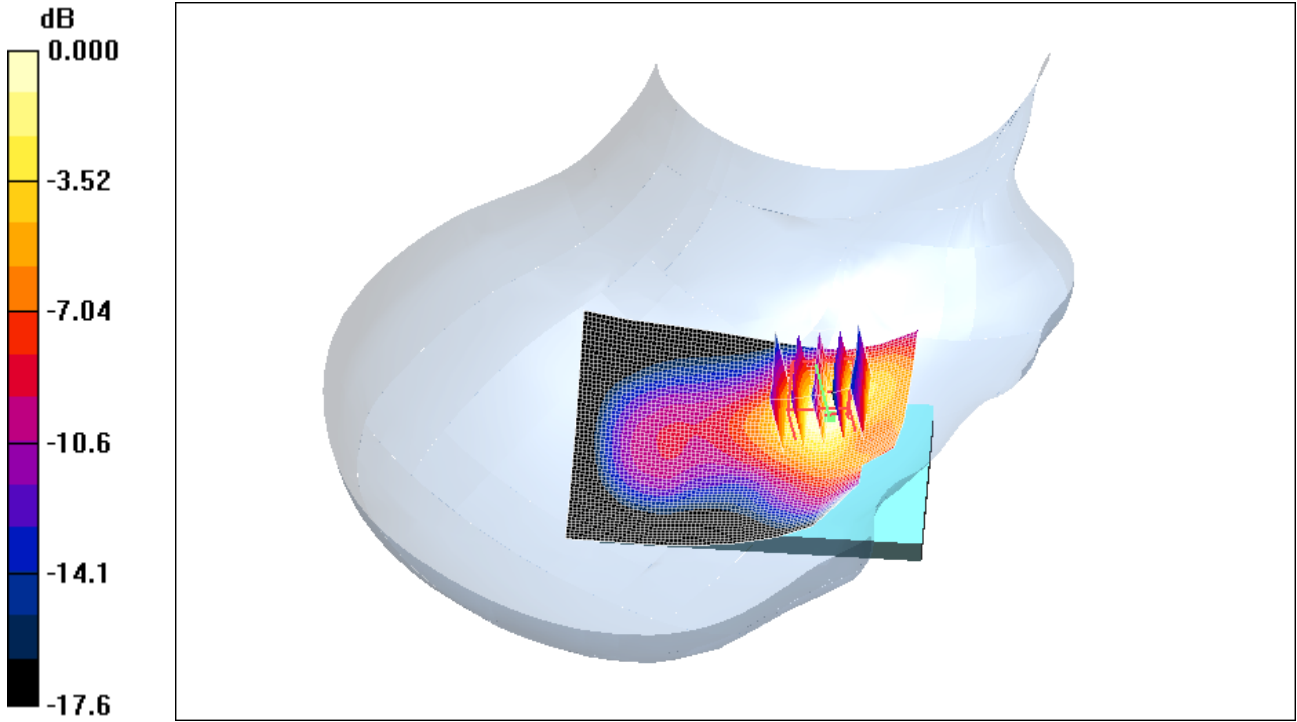
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.779mW/g

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Date/Time: 1/25/2011 5:33:23 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE1900\_mid\_chan\_Amb\_Tem\_23.7\_Liq\_Tem\_22.0**

**C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.32 \text{ mho/m}$ ;  $\epsilon_r = 38.8$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.811 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

$dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.61 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 1.14 W/kg

**SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.361 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.716 mW/g

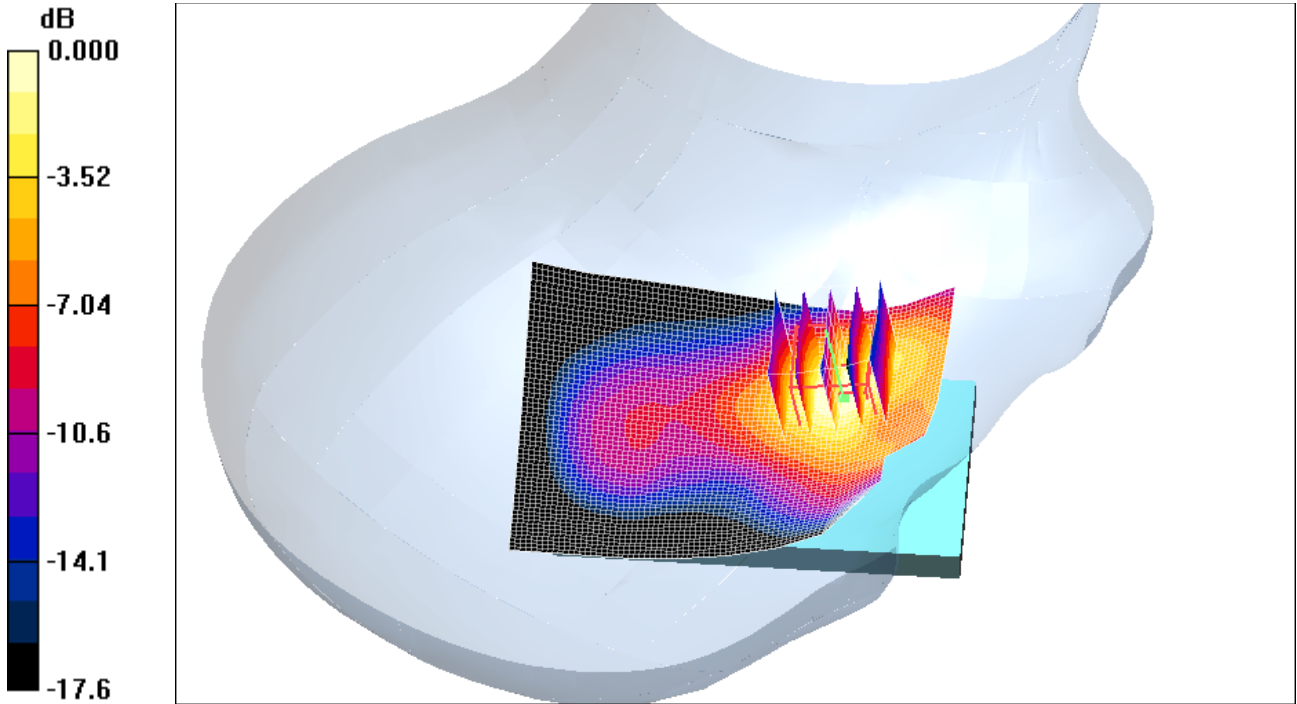
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.716mW/g

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Date/Time: 1/25/2011 5:52:53 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE1900\_high\_chan\_Amb\_Tem\_23.7\_Liq\_Tem\_22.0**

**C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.34$  mho/m;  $\epsilon_r = 38.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.733 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.57 V/m; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.647 mW/g; SAR(10 g) = 0.358 mW/g**

Maximum value of SAR (measured) = 0.712 mW/g

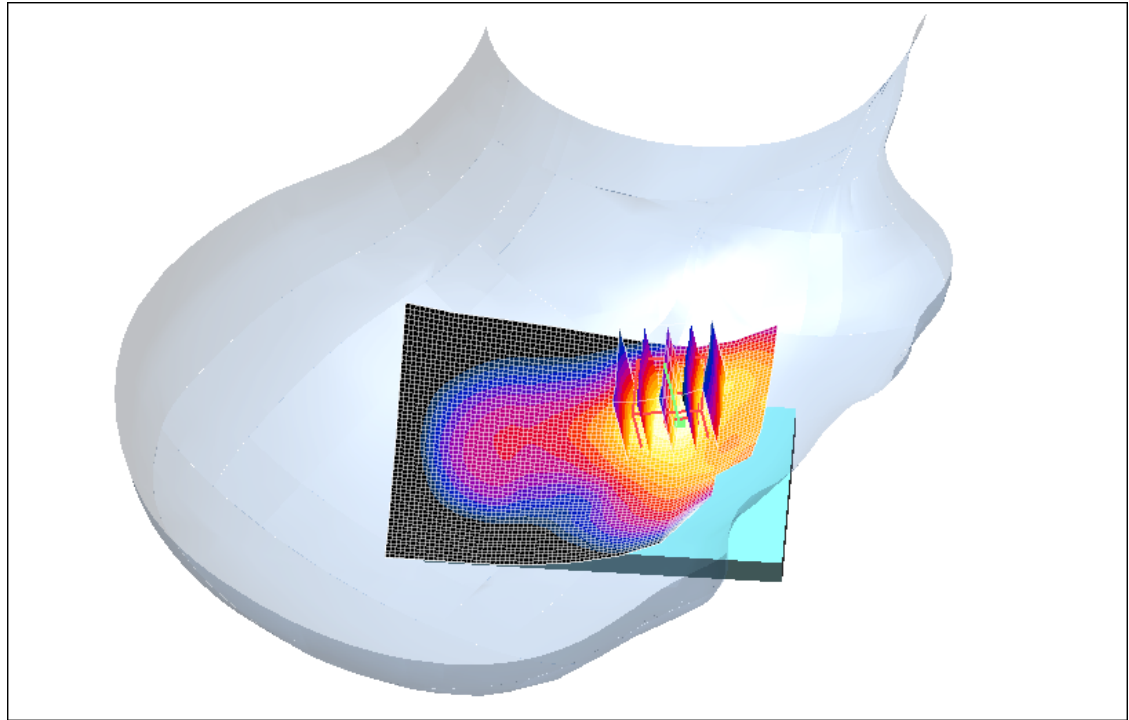
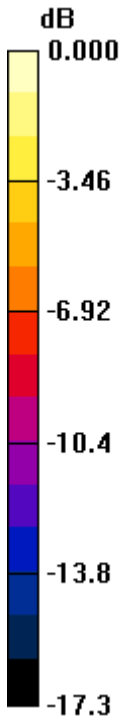
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.712mW/g

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Date/Time: 1/25/2011 8:06:24 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_Tilt\_EDGE1900\_low\_chan\_Amb\_Tem\_23.9\_Liq\_Tem\_2 1.9C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.28$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.190 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 0.220 W/kg

**SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.095 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.171 mW/g



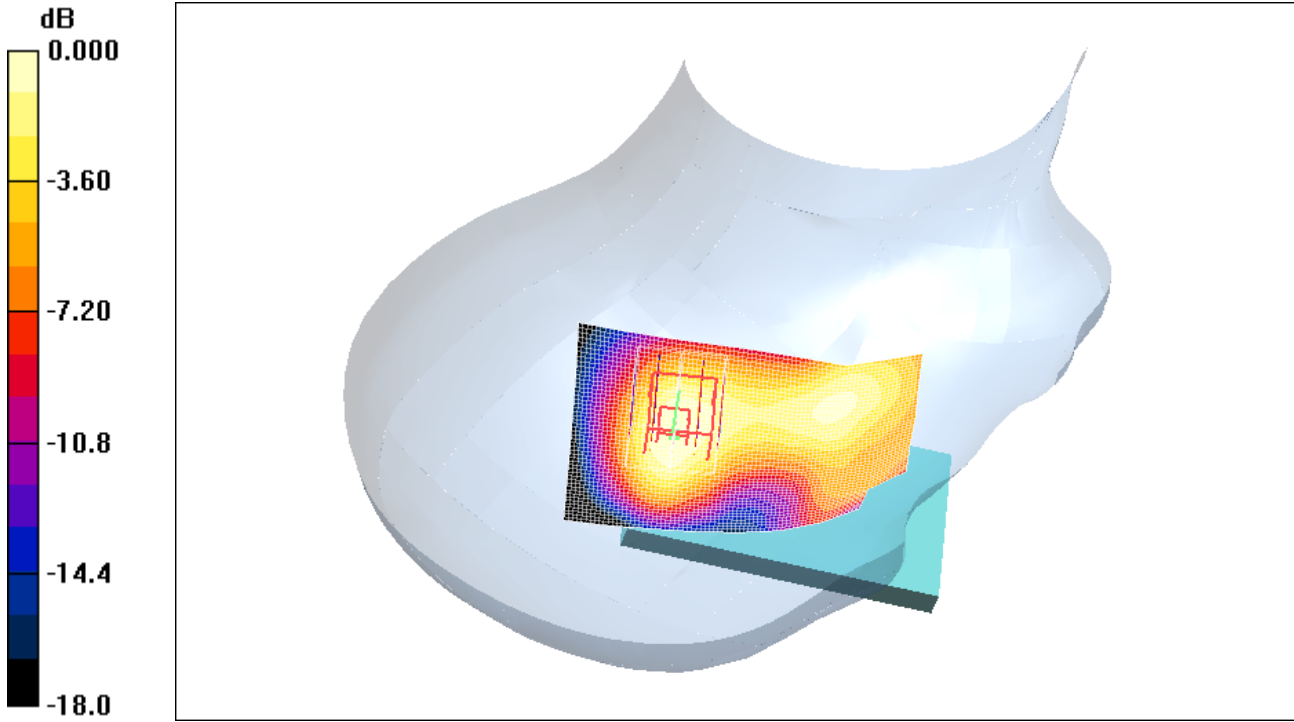
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.171mW/g

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Date/Time: 1/25/2011 8:22:25 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_GSM1900\_low\_chan\_Amb\_Tem\_23.5\_Liq\_Tem\_21.8C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.28$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.723 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.38 V/m; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.642 mW/g; SAR(10 g) = 0.357 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.716 mW/g

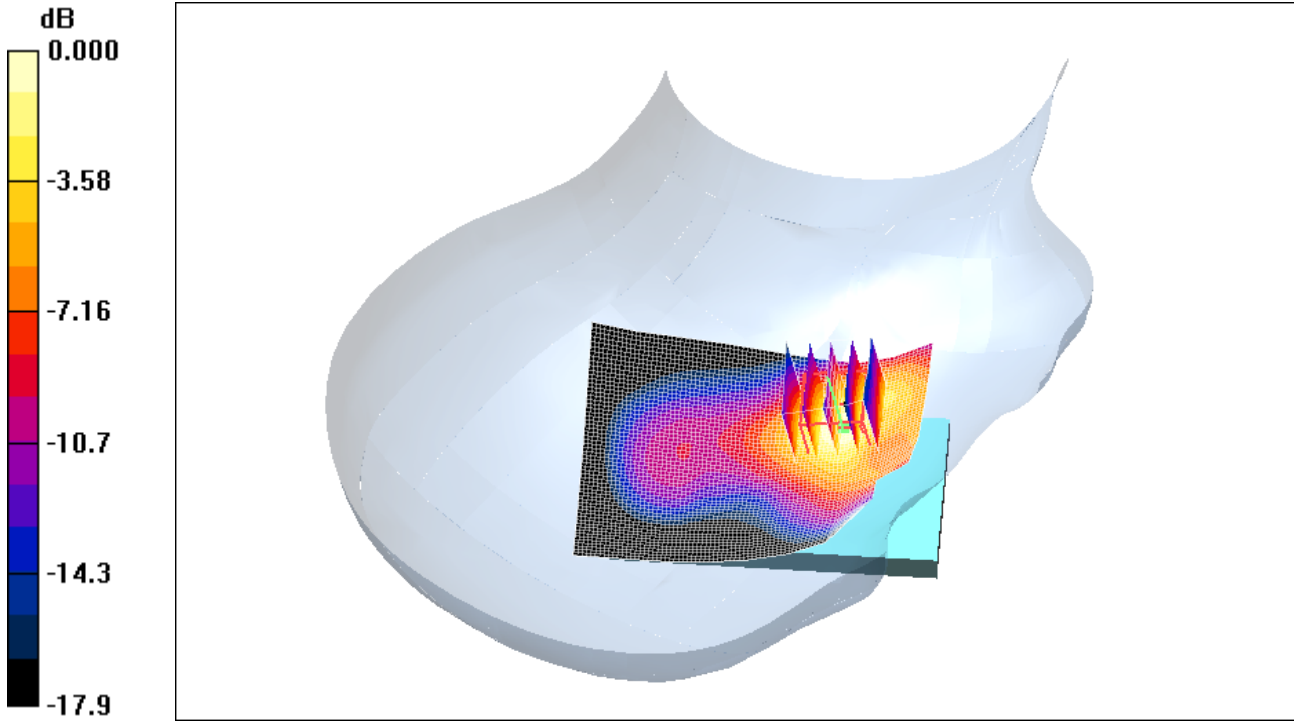
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.716mW/g

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Date/Time: 1/25/2011 10:01:15 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_EDGE1900\_4\_Slots\_high\_chan\_Amb\_Tem\_23.3\_Liq\_Tem\_21.6\_C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900(4 slots); Frequency: 1909.8 MHz; Duty Cycle: 1:2.1

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 38.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.335 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 4.59 V/m; Power Drift = -0.052 dB  
Peak SAR (extrapolated) = 0.419 W/kg  
**SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.185 mW/g**  
Maximum value of SAR (measured) = 0.313 mW/g

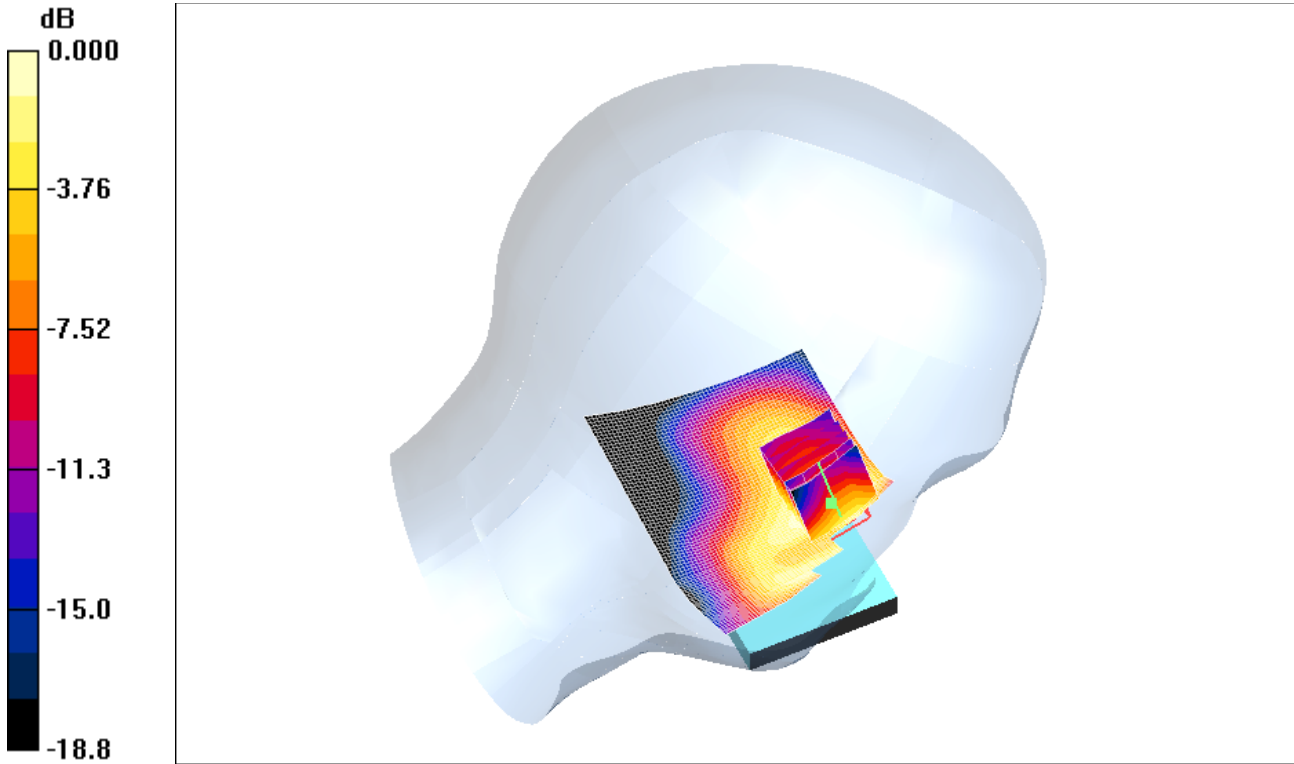
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.313mW/g

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Date/Time: 1/25/2011 9:47:41 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_EDGE1900\_3\_Slots\_high\_chan\_Amb\_Tem\_23.4\_Liq\_Tem\_21.7\_C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900(3 slots); Frequency: 1909.8 MHz;Duty Cycle: 1:2.8

Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 38.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.331 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.56 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.413 W/kg

**SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.185 mW/g**

Maximum value of SAR (measured) = 0.309 mW/g

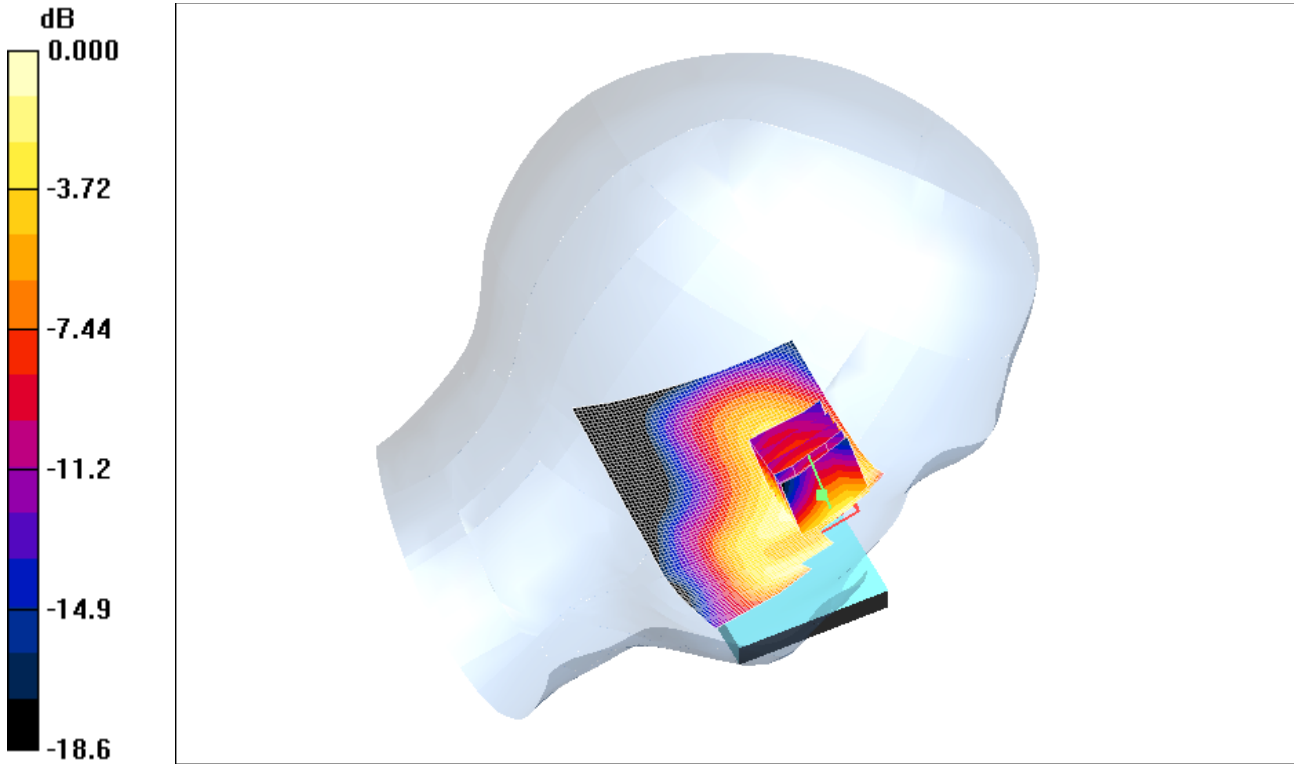
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.309mW/g

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Date/Time: 1/25/2011 8:53:33 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_EDGE1900\_low\_chan\_Amb\_Tem\_23.8\_Liq\_Tem\_22.1\_C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.28$  mho/m;  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.313 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.46 V/m; Power Drift = -0.179 dB

Peak SAR (extrapolated) = 0.385 W/kg

**SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.175 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.301 mW/g



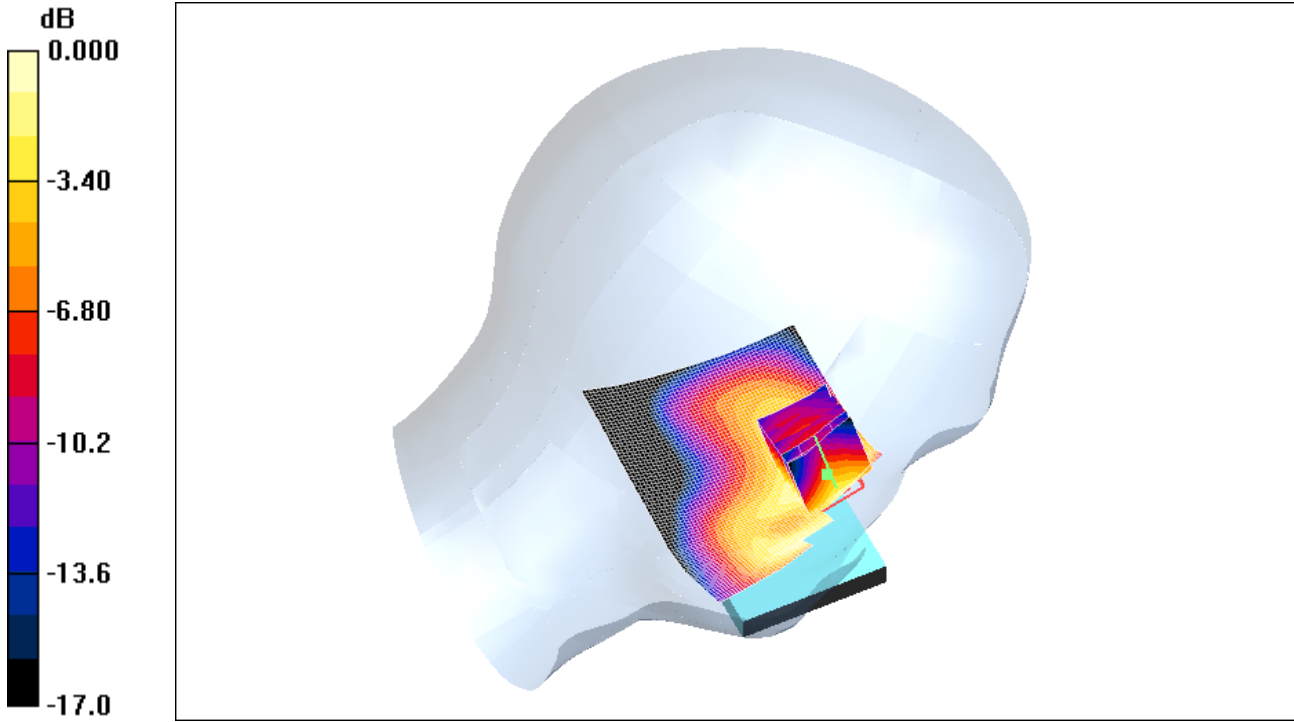
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.301mW/g

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Date/Time: 1/25/2011 9:12:58 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_EDGE1900\_mid\_chan\_Amb\_Tem\_23.9\_Liq\_Tem\_22.2\_C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.32 \text{ mho/m}$ ;  $\epsilon_r = 38.8$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.274 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
 $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 4.73 V/m; Power Drift = 0.224 dB  
Peak SAR (extrapolated) = 0.366 W/kg  
**SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.165 mW/g**  
Maximum value of SAR (measured) = 0.281 mW/g

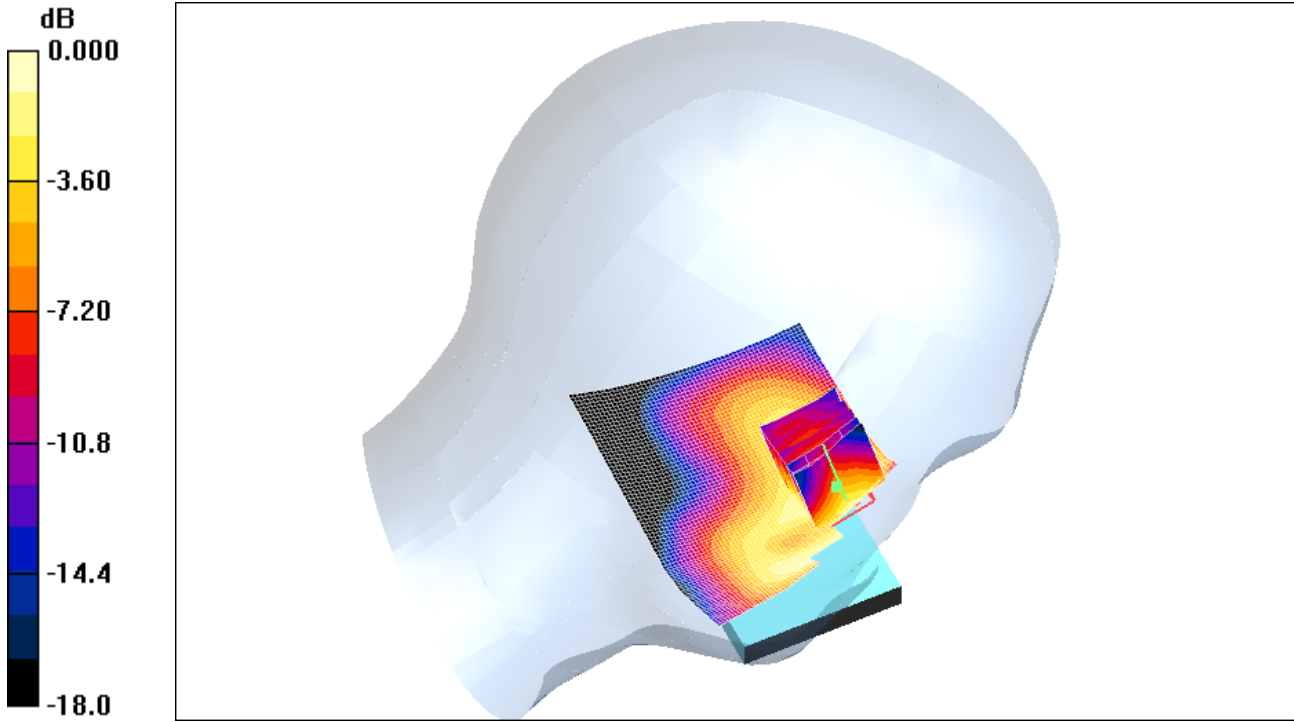
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.281mW/g

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Date/Time: 1/25/2011 9:27:26 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_EDGE1900\_high\_chan\_Amb\_Tem\_23.9\_Liq\_Tem\_22.2\_**  
**C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 38.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.333 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 4.62 V/m; Power Drift = -0.504 dB  
Peak SAR (extrapolated) = 0.410 W/kg  
**SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.185 mW/g**  
Maximum value of SAR (measured) = 0.308 mW/g

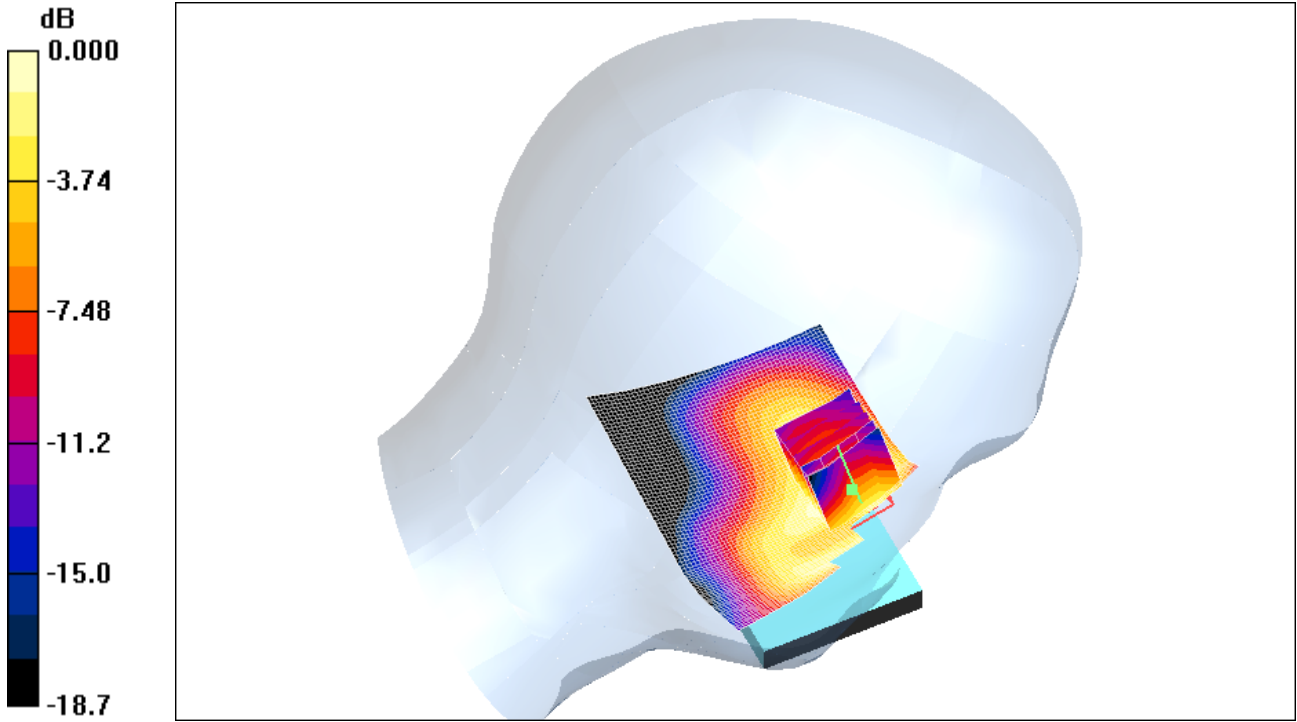
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.308mW/g

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Date/Time: 1/25/2011 10:16:50 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_Tilt\_EDGE1900\_mid\_chan\_Amb\_Tem\_23.4\_Liq\_Tem\_21.7\_C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: EDGE 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.32$  mho/m;  $\epsilon_r = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.180 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 8.84 V/m; Power Drift = 0.133 dB  
Peak SAR (extrapolated) = 0.211 W/kg  
**SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.093 mW/g**  
Maximum value of SAR (measured) = 0.164 mW/g

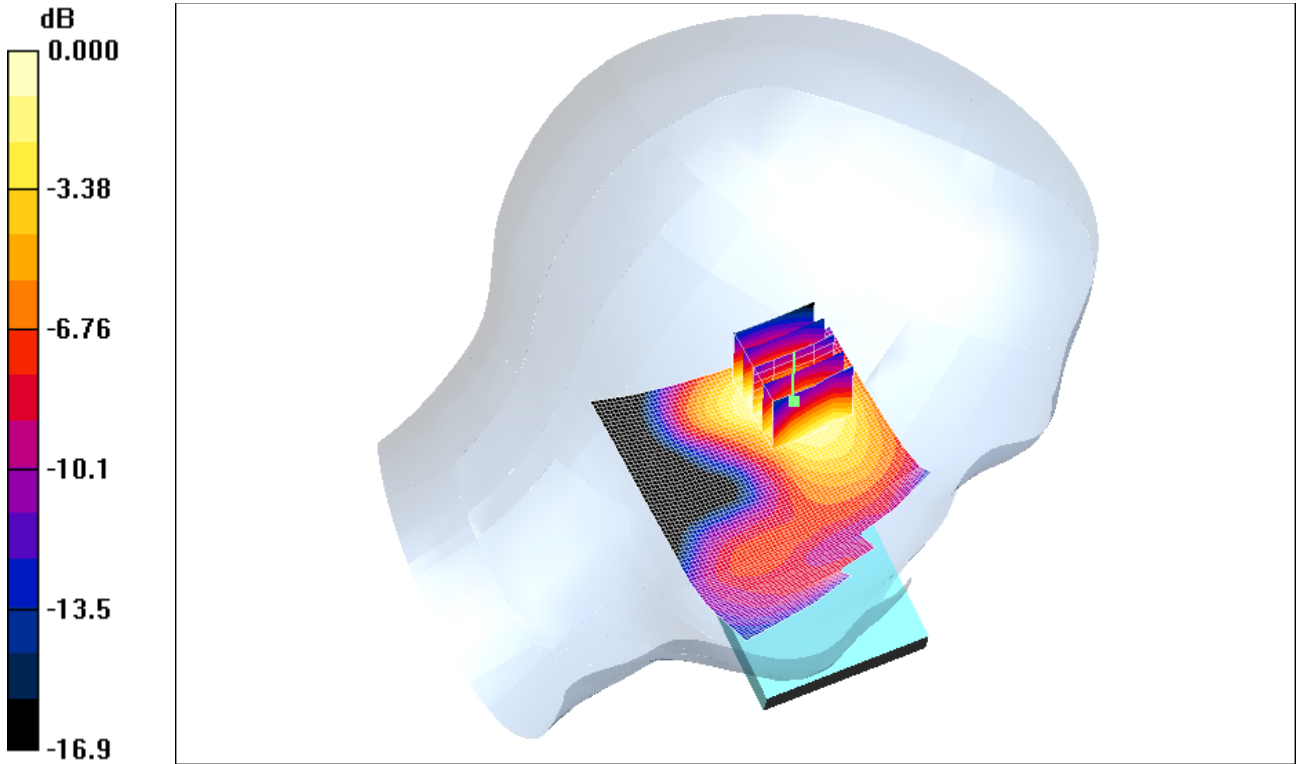
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.164mW/g

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Date/Time: 1/25/2011 10:32:17 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_GSM1900\_high\_chan\_Amb\_Tem\_23.6\_Liq\_Tem\_21.9\_C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 38.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.282 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 4.67 V/m; Power Drift = 0.169 dB  
Peak SAR (extrapolated) = 0.352 W/kg  
**SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.157 mW/g**  
Maximum value of SAR (measured) = 0.270 mW/g



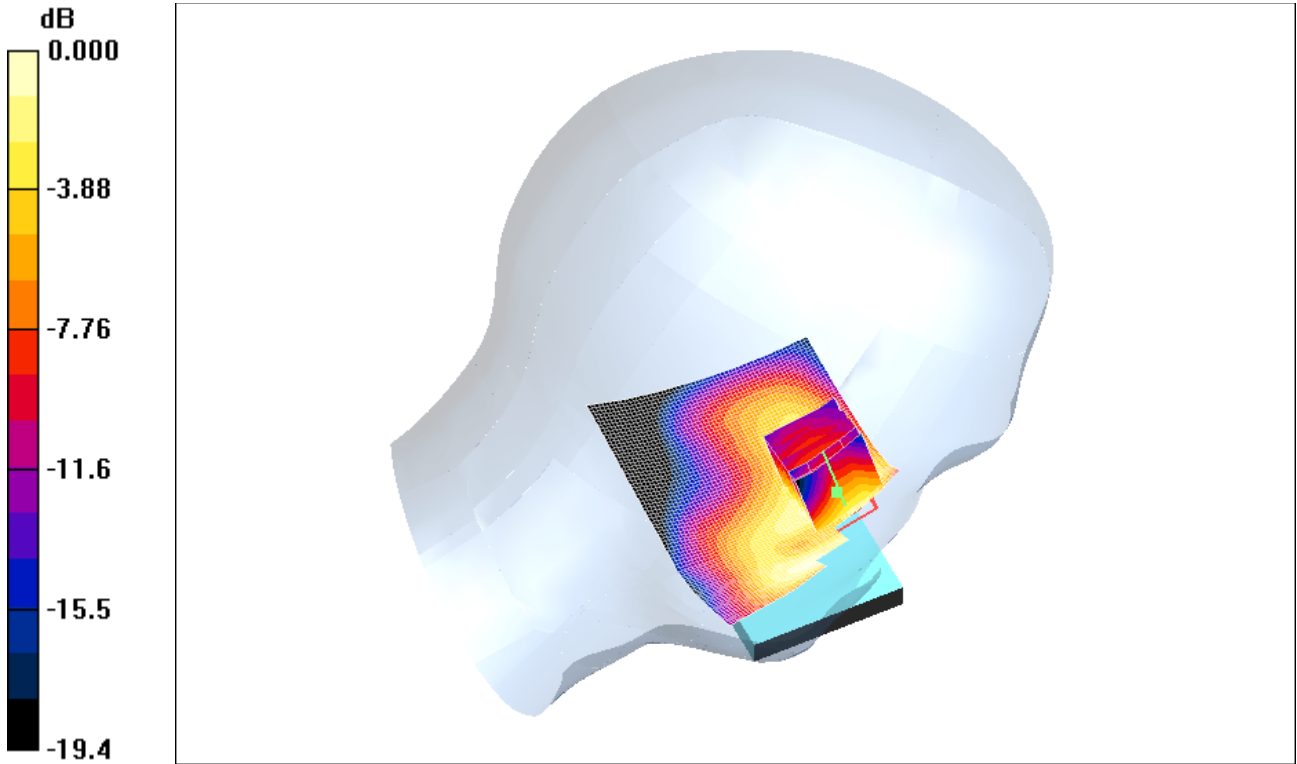
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.270mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW</b> <b>SAR Report</b>			Page <b>74(91)</b>
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Date/Time: 1/14/2011 9:32:53 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_802.11b\_high\_chan\_Amb\_Tem\_23.7\_Liq\_Tem\_22.4C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.42, 4.42, 4.42); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.173 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.88 V/m; Power Drift = 0.889 dB

Peak SAR (extrapolated) = 0.473 W/kg

**SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.083 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.199 mW/g

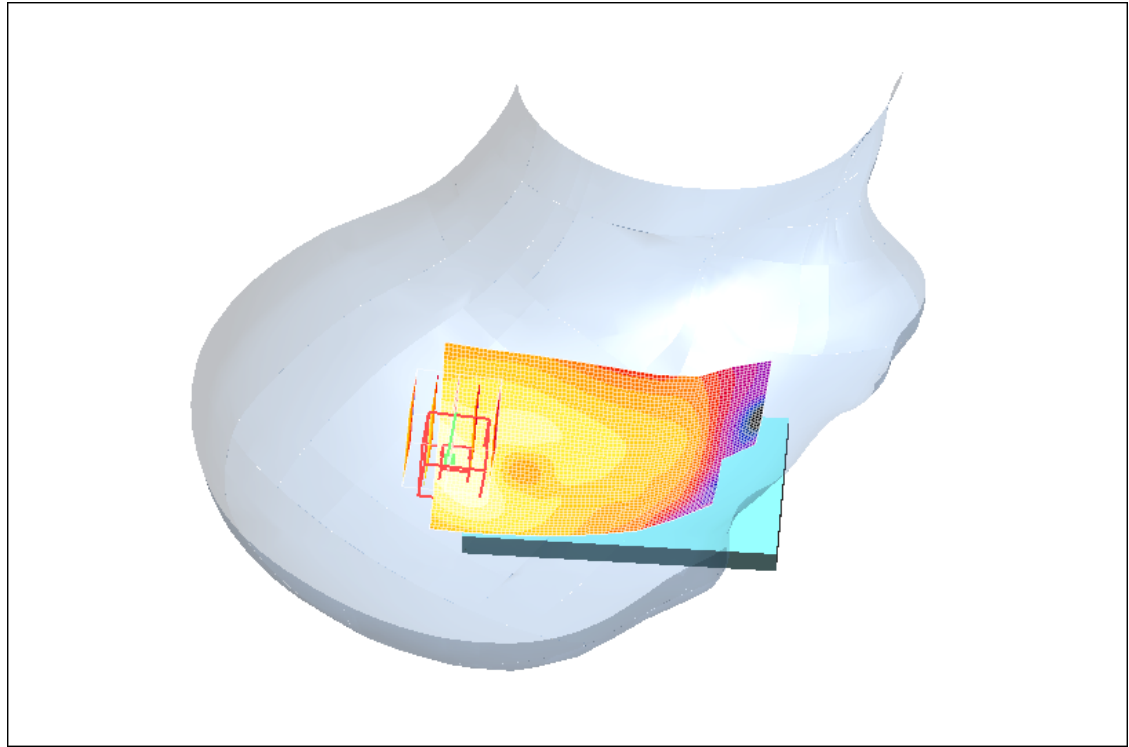
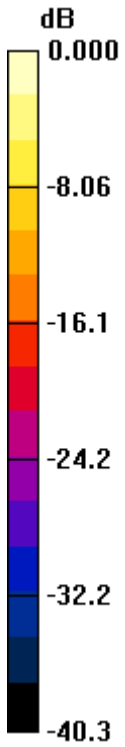
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.199mW/g

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	Author Data <b>Hang Wang</b>	Dates of Test <b>Jan 14 –June 09, 2011</b>	Test Report No <b>RTS-2605-1102-05B</b>	FCC ID: <b>L6ARDH70CW</b> <b>L6ARDQ70UW</b>

Date/Time: 1/14/2011 9:46:19 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_Tilt\_802.11b\_high\_chan\_Amb\_Tem\_23.5\_Liq\_Tem\_22.2C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.42, 4.42, 4.42); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.263 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.39 V/m; Power Drift = -0.206 dB

Peak SAR (extrapolated) = 0.613 W/kg

**SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.099 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.269 mW/g

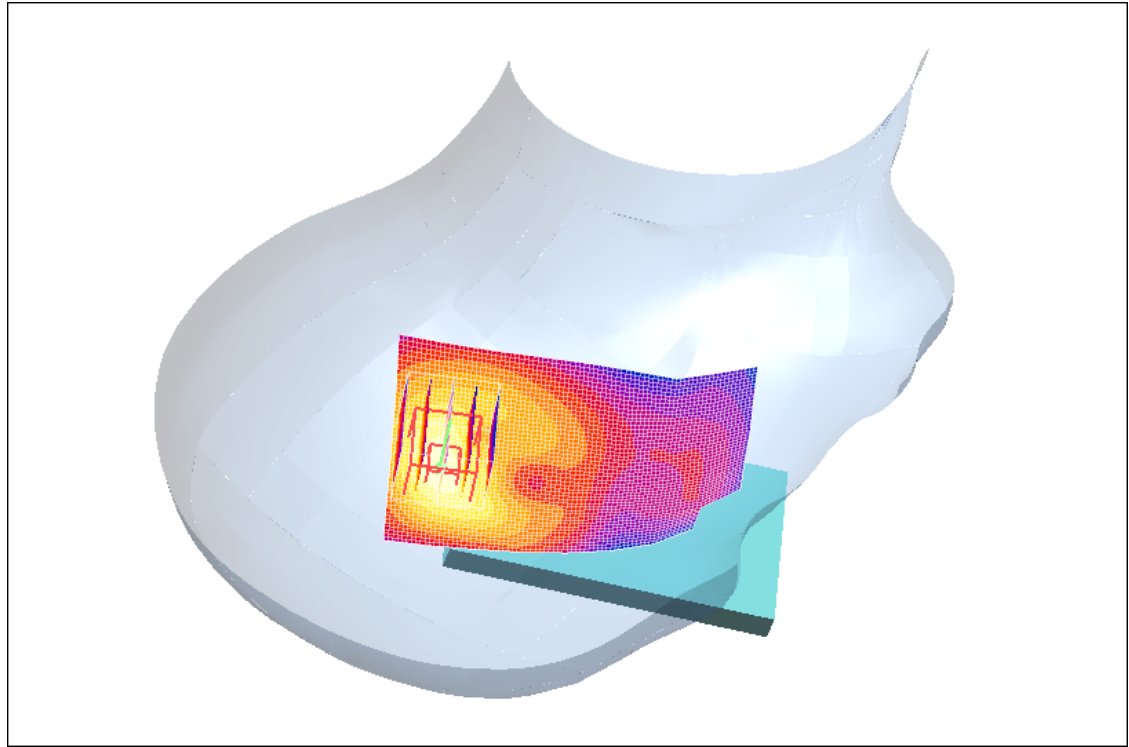
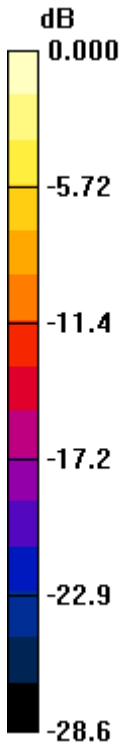
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.269mW/g

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Date/Time: 1/14/2011 8:57:08 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_802.11b\_high\_chan\_Amb\_Tem\_23.8\_Liq\_Tem\_22.5\_C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.42, 4.42, 4.42); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.290 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.72 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.810 W/kg

**SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.119 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.303 mW/g

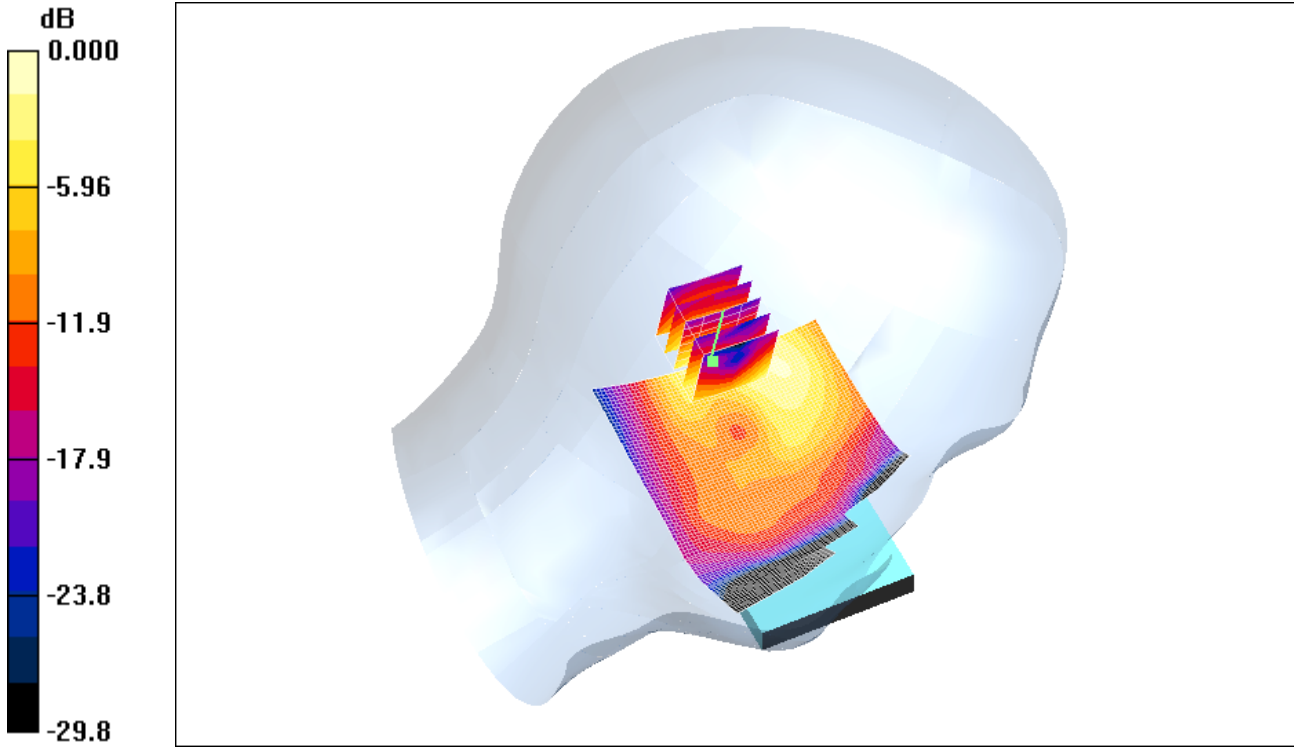
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**

IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.303mW/g

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Date/Time: 1/14/2011 9:18:41 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_Tilt\_802.11b\_high\_chan\_Amb\_Tem\_23.8\_Liq\_Tem\_22.4\_C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 38.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.42, 4.42, 4.42); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.367 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.82 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.153 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.388 mW/g



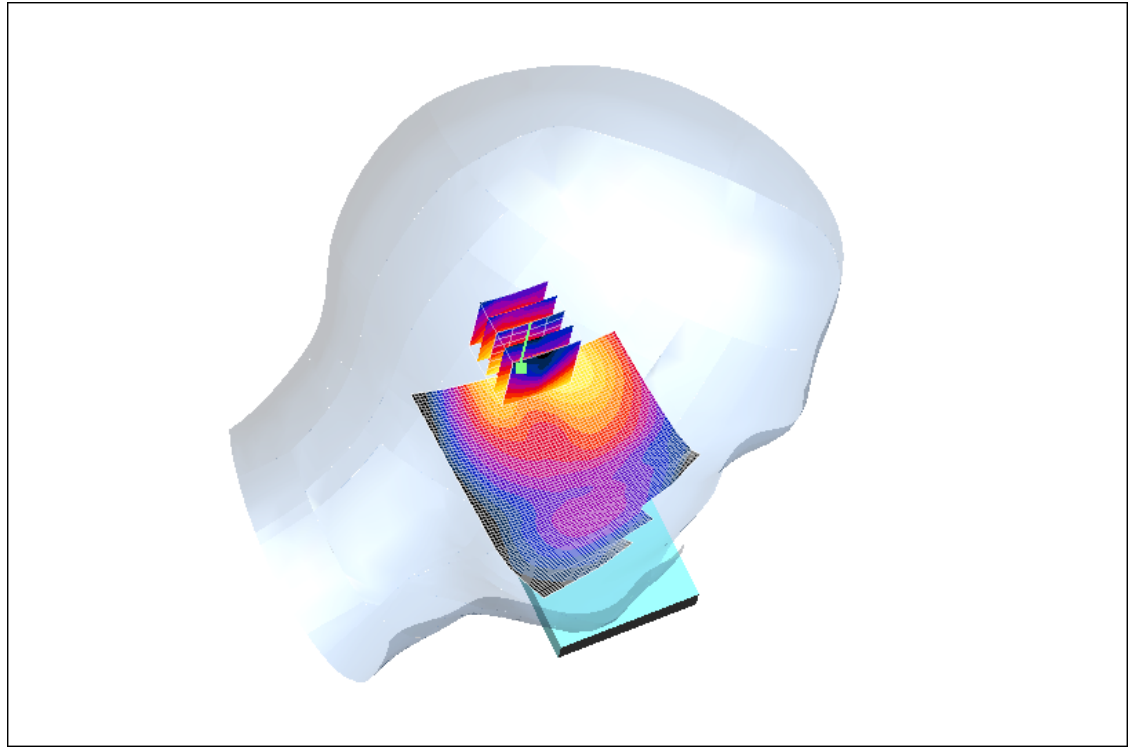
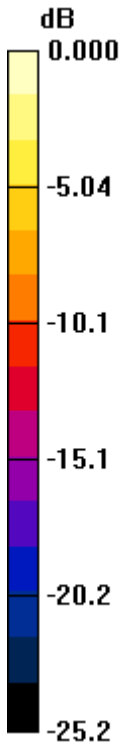
Author Data  
**Hang Wang**

Dates of Test  
**Jan 14 –June 09, 2011**


Test Report No  
**RTS-2605-1102-05B**

FCC ID:  
**L6ARDH70CW**  
**L6ARDQ70UW**


IC ID  
**2503A-RDH70CW**  
**2503A-RDQ70UW**



0 dB = 0.388mW/g

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# RDQ71UW

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Date/Time: 3/31/2011 10:30:32 PM, Date/Time: 3/31/2011 10:36:14 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_UMTS\_band\_IV\_mid\_chan\_amb\_temp\_23.5\_liq\_temp\_2

### 2.3C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26FF048A**

Communication System: WCDMA FDD IV; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1732.6

MHz; Communication System PAR: 3.4 dB

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.21$  mho/m;  $\epsilon_r = 37.811$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
  - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position - Mid/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.673 mW/g


**Configuration/Touch position - Mid/Zoom Scan (5x5x7) (7x7x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.914 V/m; Power Drift = -0.51 dB

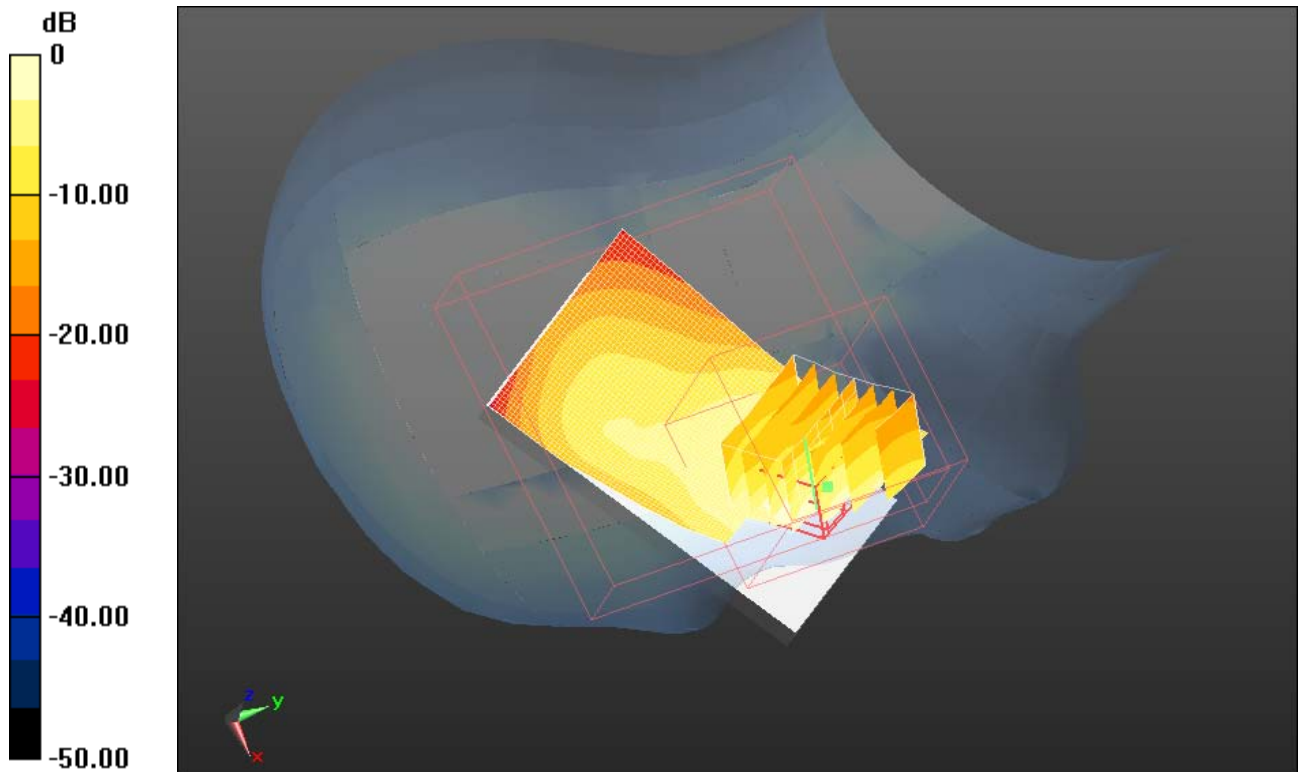
Peak SAR (extrapolated) = 1.137 W/kg

**SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.340 mW/g**


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Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.735 mW/g



0 dB = 0.740mW/g

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Date/Time: 3/31/2011 10:51:33 PM, Date/Time: 3/31/2011 10:56:45 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_Tilt\_UMTS\_band\_IV\_mid\_chan\_amb\_temp\_23.5\_liq\_tem  
mp\_22.3C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26FF048A**

Communication System: WCDMA FDD IV; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1732.6

MHz; Communication System PAR: 3.4 dB

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.21$  mho/m;  $\epsilon_r = 37.811$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
  - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position - Mid/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.229 mW/g


**Configuration/Touch position - Mid/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.144 V/m; Power Drift = 0.26 dB

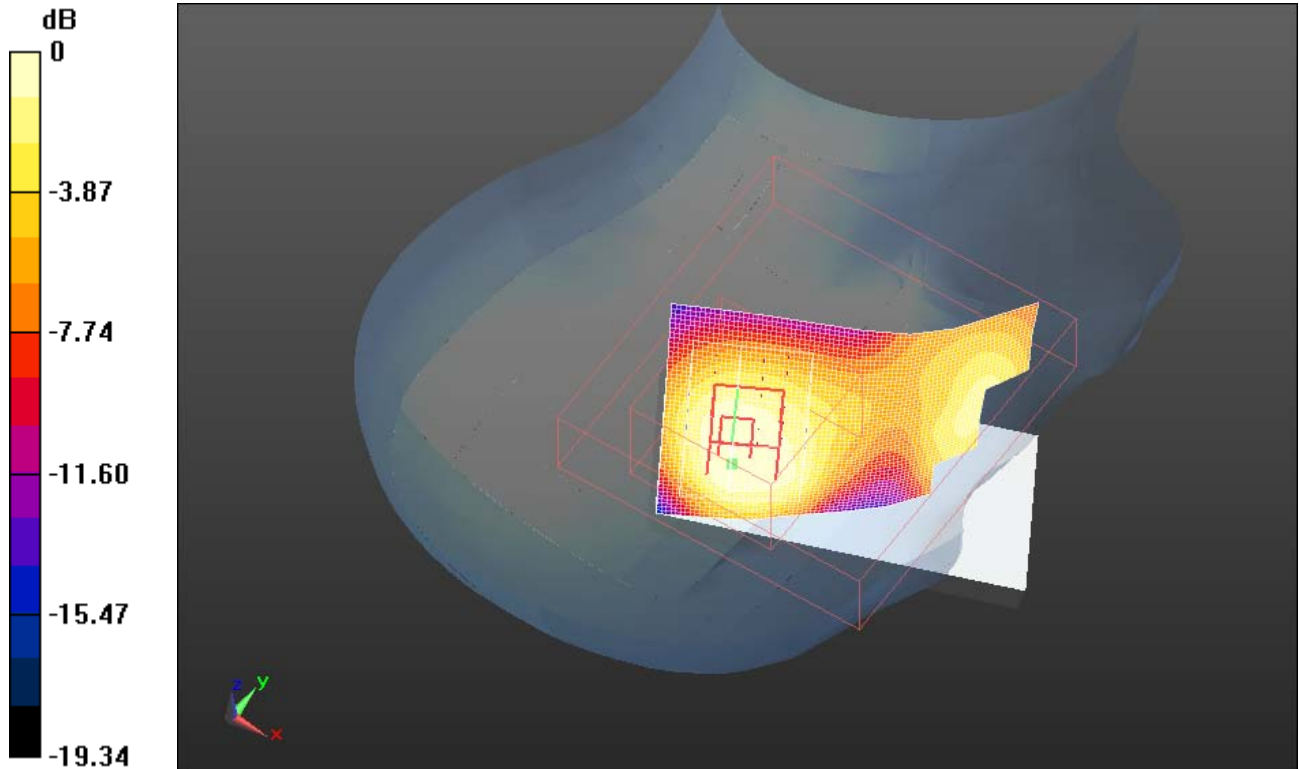
Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.130 mW/g**


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Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.210 mW/g



0 dB = 0.210mW/g

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Date/Time: 3/31/2011 11:57:28 PM, Date/Time: 4/1/2011 12:02:12 AM

Test Laboratory: RIM Testing Services

## LeftHandSide\_UMTS\_band\_IV\_mid\_chan\_amb\_temp\_23.4\_liq\_temp\_22 .2C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26FF048A**

Communication System: WCDMA FDD IV; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1732.6

MHz; Communication System PAR: 3.4 dB

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.21$  mho/m;  $\epsilon_r = 37.811$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
  - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position - Mid/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.519 mW/g


**Configuration/Touch position - Mid/Zoom Scan (5x5x7) (7x7x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.185 V/m; Power Drift = 0.12 dB

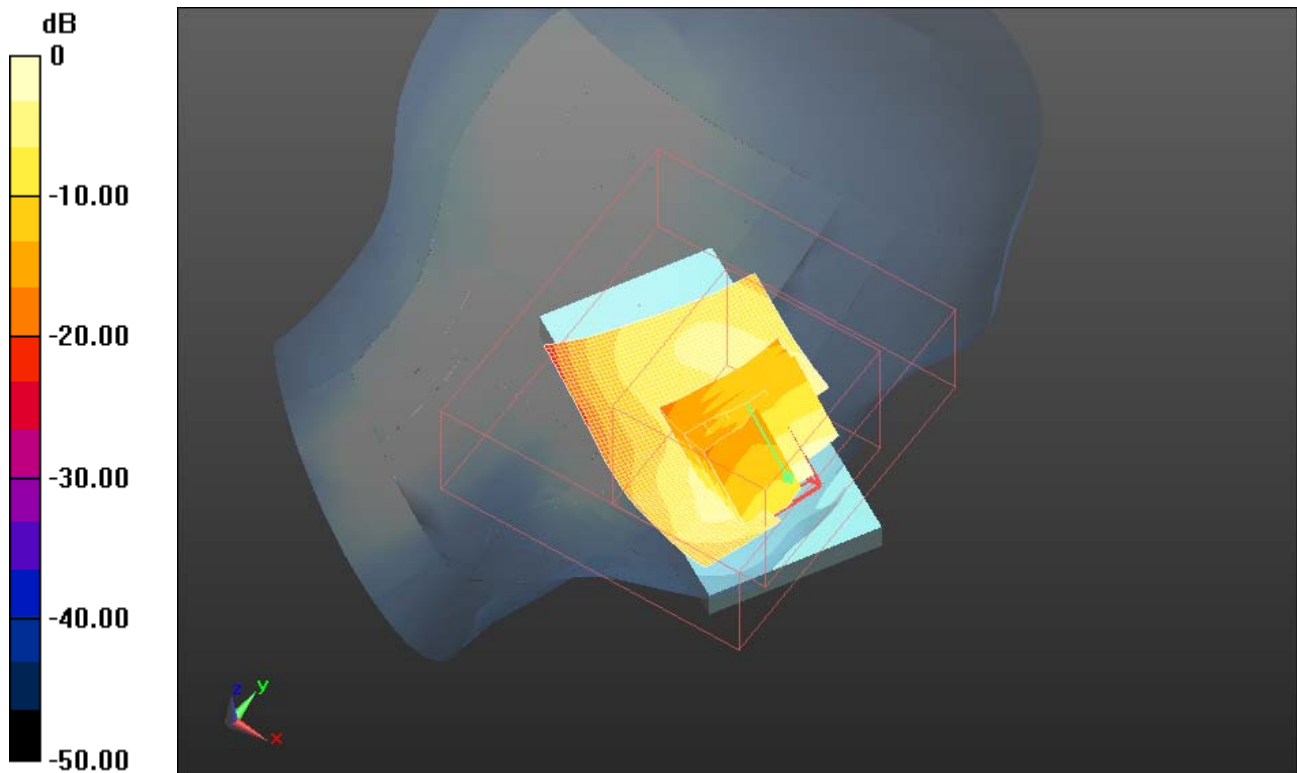
Peak SAR (extrapolated) = 0.755 W/kg

**SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.231 mW/g**

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Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.511 mW/g



0 dB = 0.510mW/g



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Date/Time: 4/1/2011 12:16:50 AM, Date/Time: 4/1/2011 12:21:52 AM

Test Laboratory: RIM Testing Services

## LeftHandSide\_Tilt\_UMTS\_band\_IV\_mid\_chan\_amb\_temp\_23.4\_liq\_tem p\_22.2C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26FF048A**

Communication System: WCDMA FDD IV; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1732.6

MHz; Communication System PAR: 3.4 dB

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.21$  mho/m;  $\epsilon_r = 37.811$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
  - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position - Mid/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

**Info:** Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.226 mW/g


**Configuration/Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

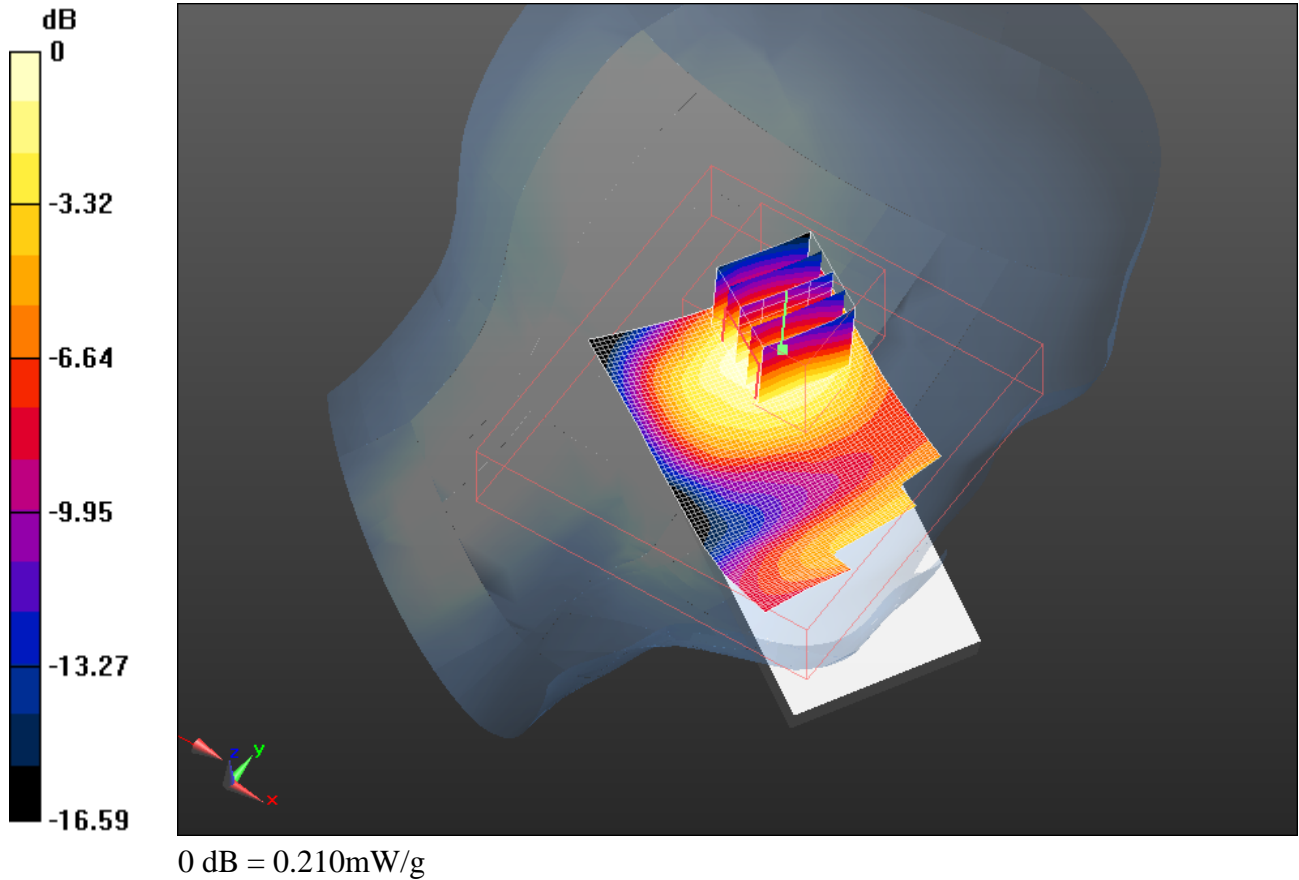
Reference Value = 11.194 V/m; Power Drift = -0.17 dB


Peak SAR (extrapolated) = 0.292 W/kg

**SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.122 mW/g**

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Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.211 mW/g



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**Z axis plot for the worst case head configuration:**

