
	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>1(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

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

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>2(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 4/28/2010 8:44:25 PM

Test Laboratory: RIM TESTING SERVICES

File Name: [LeftHandSide\\_EDGE850\\_mid\\_chan\\_amb\\_temp\\_22.7\\_liq\\_temp\\_21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 221597EB**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 836.8 \text{ MHz}$ ;  $\sigma = 0.891 \text{ mho/m}$ ;  $\epsilon_r = 42.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.12, 6.12, 6.12); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.714 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 = 8.79 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.863 W/kg

**SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.462 mW/g**

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

Maximum value of SAR (measured) = 0.680 mW/g

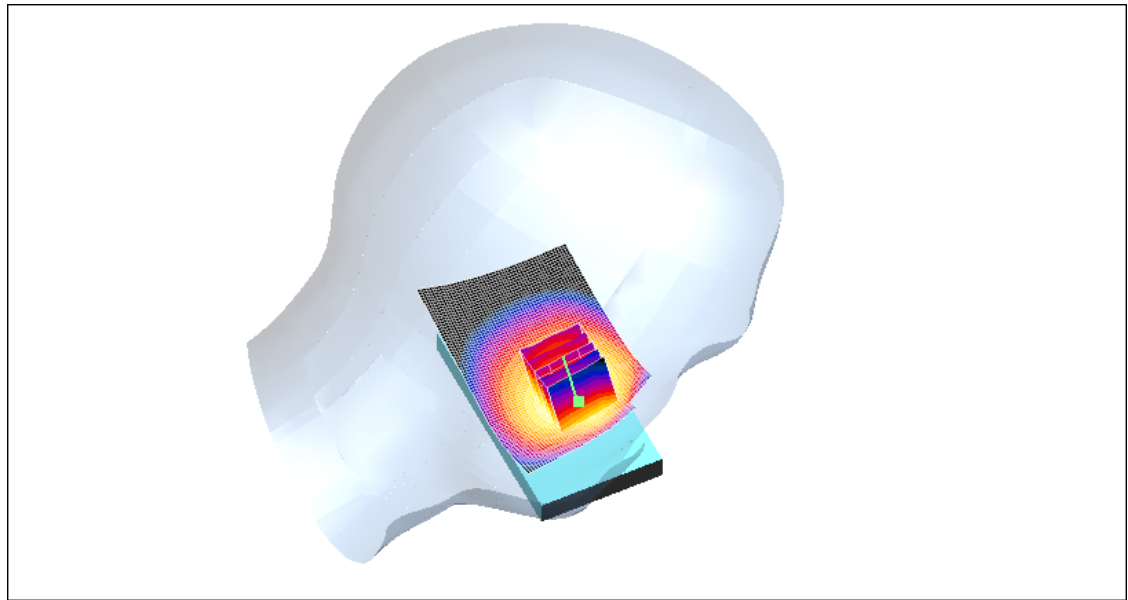
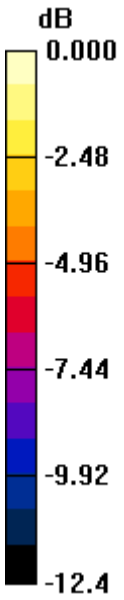
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.680mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>4(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 4/28/2010 9:03:03 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[LeftHandSide\\_Tilt\\_EDGE850\\_mid\\_chan\\_amb\\_temp\\_22.8\\_liq\\_temp\\_21.5C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 221597EB**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 836.8 \text{ MHz}$ ;  $\sigma = 0.891 \text{ mho/m}$ ;  $\epsilon_r = 42.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.12, 6.12, 6.12); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.395 mW/g

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

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

Reference Value = 14.9 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 0.466 W/kg

**SAR(1 g) = 0.378 mW/g; SAR(10 g) = 0.287 mW/g**

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

Maximum value of SAR (measured) = 0.398 mW/g

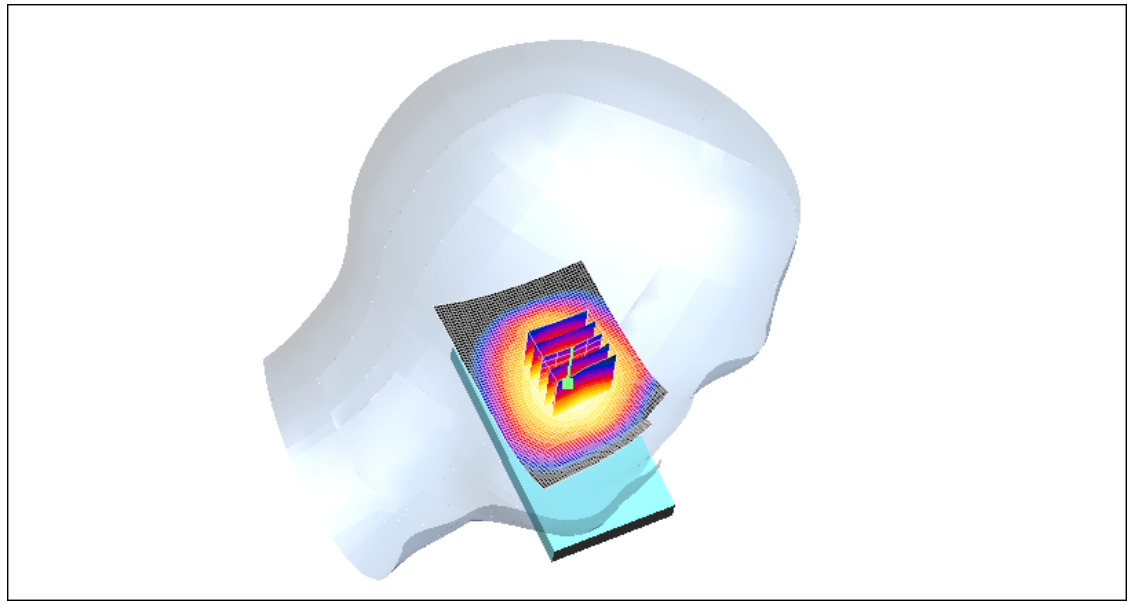
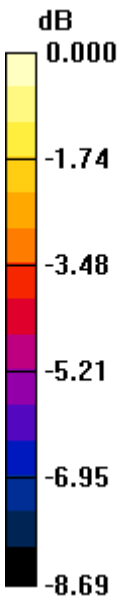
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.398mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>6(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 4/28/2010 7:07:57 PM

Test Laboratory: RIM TESTING SERVICES

File Name: [RightHandSide\\_EDGE850\\_mid\\_chan\\_amb\\_temp\\_22.7\\_liq\\_temp\\_21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 221597EB**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 836.8 \text{ MHz}$ ;  $\sigma = 0.891 \text{ mho/m}$ ;  $\epsilon_r = 42.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.12, 6.12, 6.12); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.880 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 = 10.6 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.758 mW/g; SAR(10 g) = 0.533 mW/g**

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

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

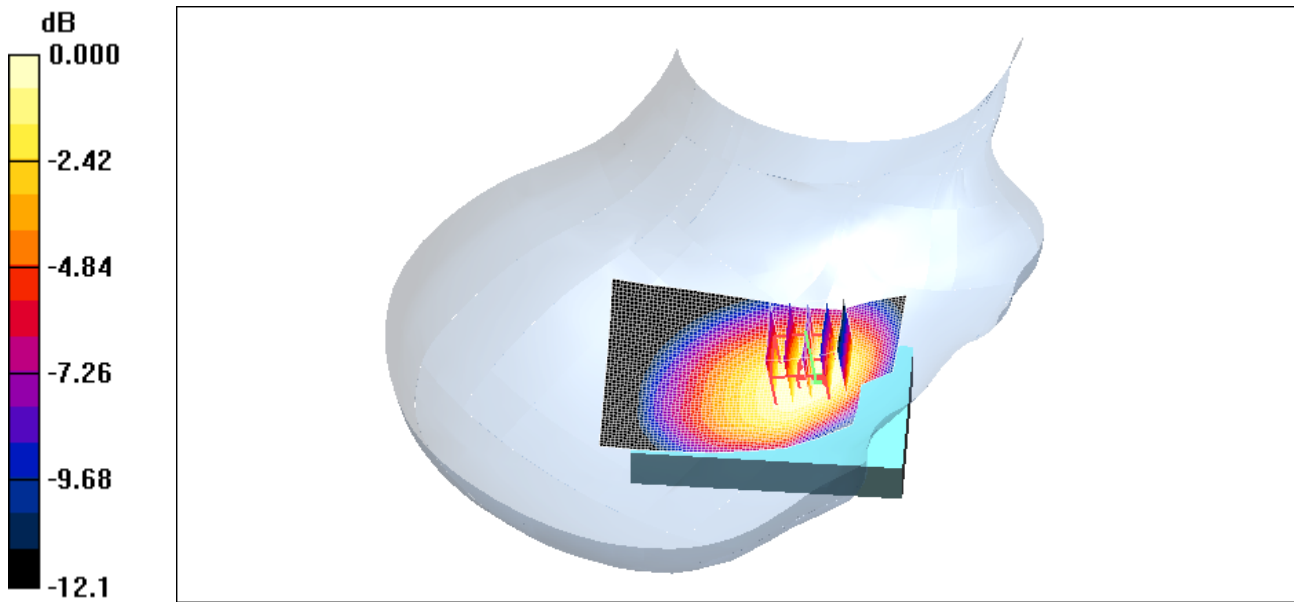
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.798mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>8(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 4/28/2010 7:40:54 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[RightHandSide\\_Tilt\\_EDGE850\\_mid\\_chan\\_amb\\_temp\\_22.8\\_liq\\_temp\\_21.5C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 221597EB**

**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz; Duty Cycle: 1:4.2  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.891$  mho/m;  $\epsilon_r = 42.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.12, 6.12, 6.12); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.459 mW/g

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

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

Reference Value = 15.8 V/m; Power Drift = 0.118 dB

Peak SAR (extrapolated) = 0.535 W/kg

**SAR(1 g) = 0.439 mW/g; SAR(10 g) = 0.332 mW/g**

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

Maximum value of SAR (measured) = 0.457 mW/g



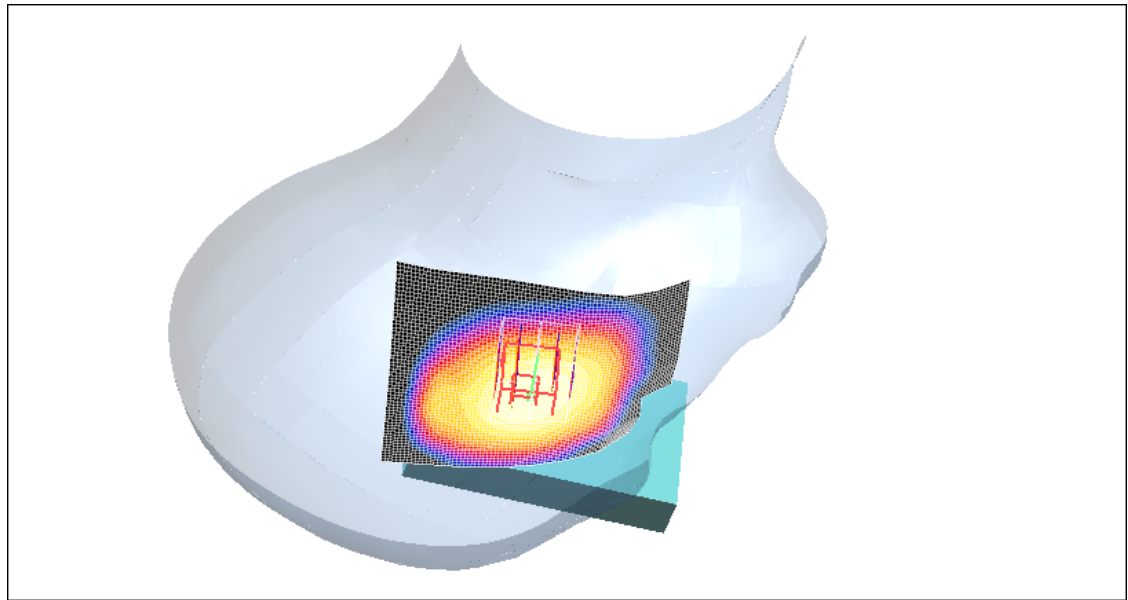
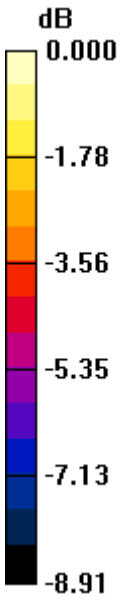
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.457mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>10(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/5/2010 8:47:18 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[LeftHandSide\\_UMTS\\_Band\\_IV\\_low\\_chan\\_amb\\_temp\\_22.8\\_liq\\_temp\\_21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.23$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.932 mW/g

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

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


Reference Value = 9.17 V/m; Power Drift = -0.166 dB

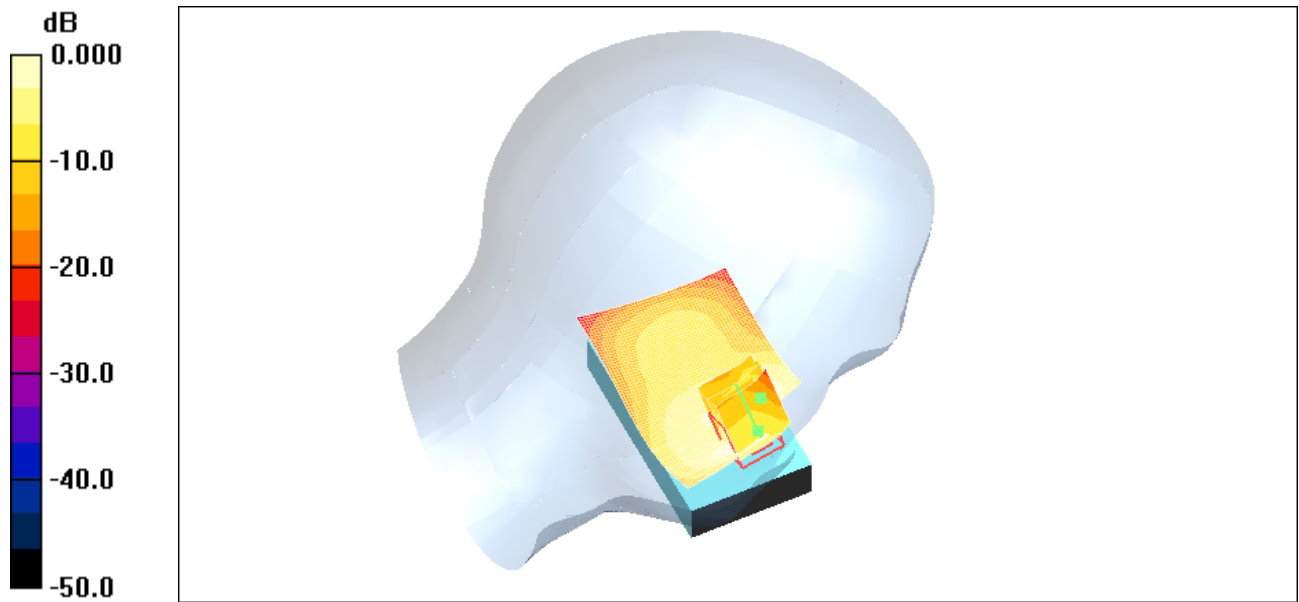
Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.978 mW/g; SAR(10 g) = 0.533 mW/g**


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

Maximum value of SAR (measured) = 1.06 mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>11(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>



0 dB = 1.06mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>12(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/5/2010 8:27:28 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[LeftHandSide\\_UMTS\\_Band\\_IV\\_mid\\_chan\\_amb\\_temp\\_22.8\\_liq\\_temp\\_21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.28$  mho/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.925 mW/g

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

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


Reference Value = 9.43 V/m; Power Drift = -0.245 dB

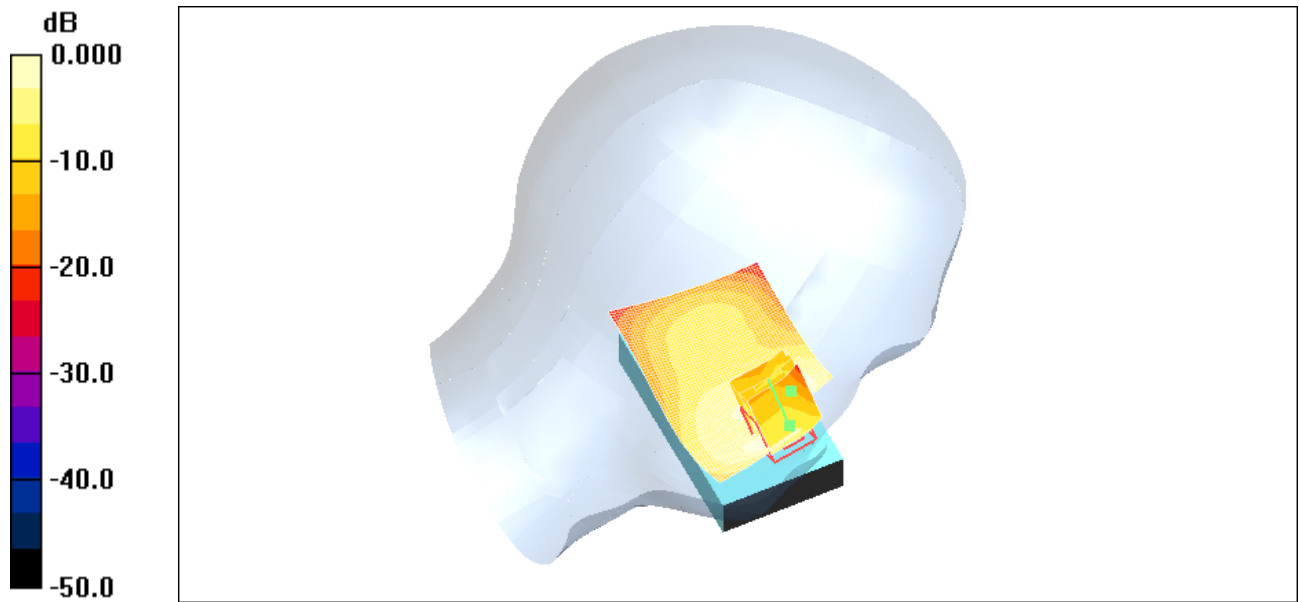
Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.964 mW/g; SAR(10 g) = 0.524 mW/g**


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

Maximum value of SAR (measured) = 1.05 mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>13(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>



0 dB = 1.05mW/g

	Document			Page
	<b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			<b>14(48)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID
<b>Andrew Becker</b>	<b>April 28– May 11, 2010</b>	<b>RTS-2671-1005-55</b>	<b>L6ARDB70UW</b>	<b>2503A-RDB70UW</b>

Date/Time: 5/5/2010 9:03:01 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[LeftHandSide UMTS Band IV high chan amb temp 22.8 liq temp 21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.32$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.898 mW/g

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

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


Reference Value = 9.37 V/m; Power Drift = -0.095 dB

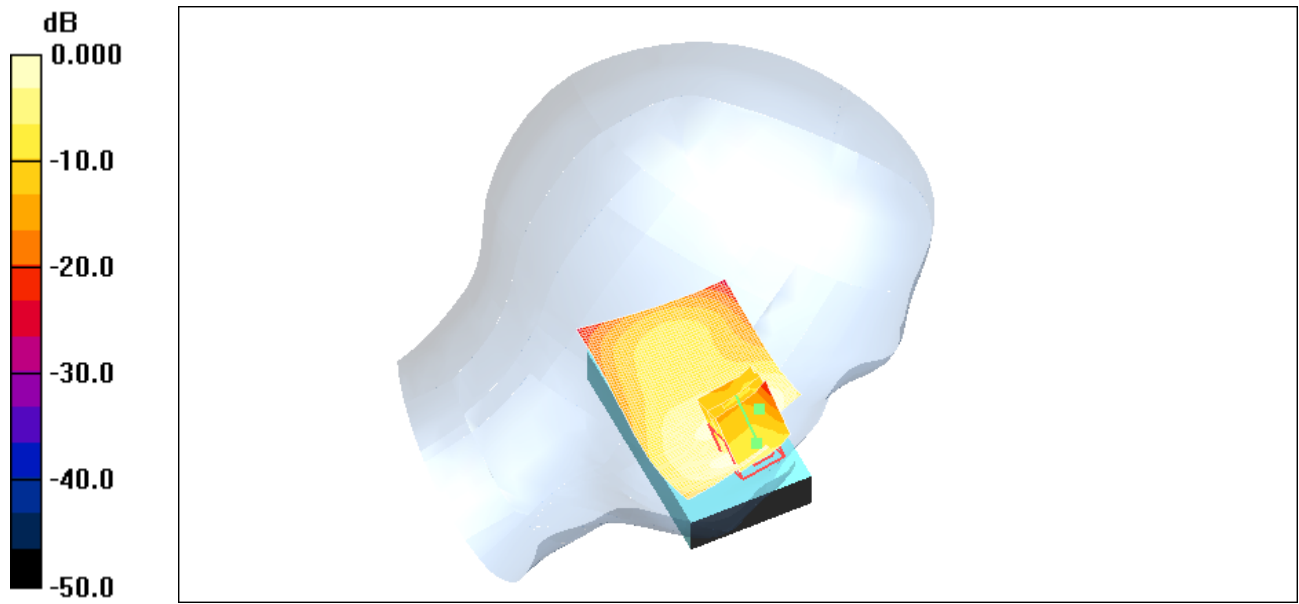
Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.930 mW/g; SAR(10 g) = 0.513 mW/g**


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

Maximum value of SAR (measured) = 1.02 mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>15(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>



0 dB = 1.02mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>16(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/5/2010 9:26:17 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[LeftHandSide Tilt UMTS Band IV mid\\_chan\\_amb\\_temp\\_22.6\\_liq\\_temp\\_21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.28$  mho/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.233 mW/g

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

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

Reference Value = 12.8 V/m; Power Drift = 0.191 dB

Peak SAR (extrapolated) = 0.302 W/kg

**SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.131 mW/g**

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

Maximum value of SAR (measured) = 0.224 mW/g



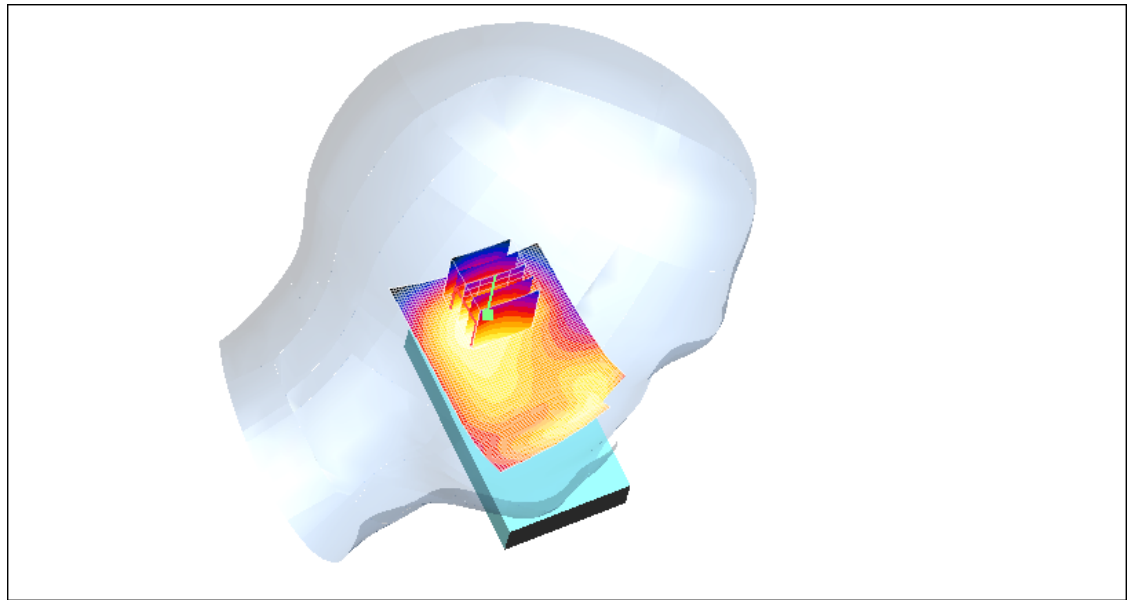
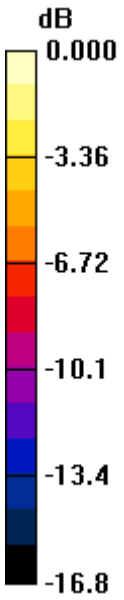
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.224mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>18(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/5/2010 2:47:39 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_UMTS\_Band\_IV\_low\_chan\_amb\_temp\_23.0\_liq\_temp\_2 1.7C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.23$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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 (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.28 mW/g

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

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

Reference Value = 7.76 V/m; Power Drift = 0.058 dB

Peak SAR (extrapolated) = 1.85 W/kg

**SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.602 mW/g**

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

Maximum value of SAR (measured) = 1.19 mW/g

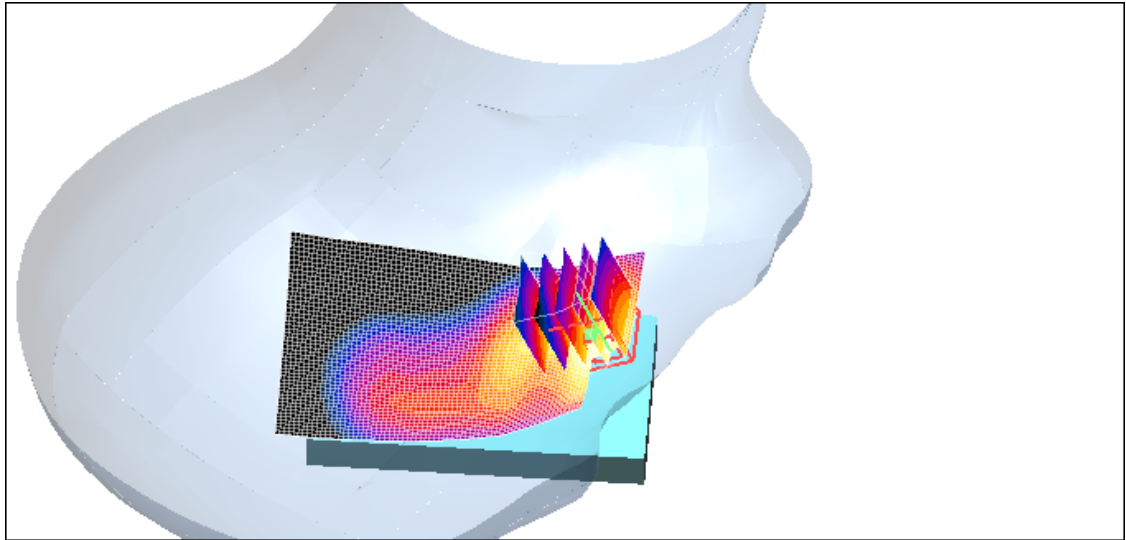
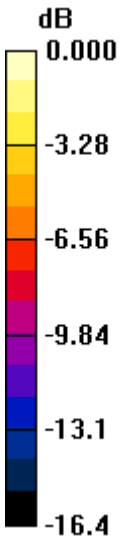
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 1.19mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>20(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/5/2010 2:29:42 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_UMTS\_Band\_IV\_mid\_chan\_amb\_temp\_22.9\_liq\_temp\_21.8C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.28$  mho/m;  $\epsilon_r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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 (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.30 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 = -0.156 dB

Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.609 mW/g**

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

Maximum value of SAR (measured) = 1.17 mW/g

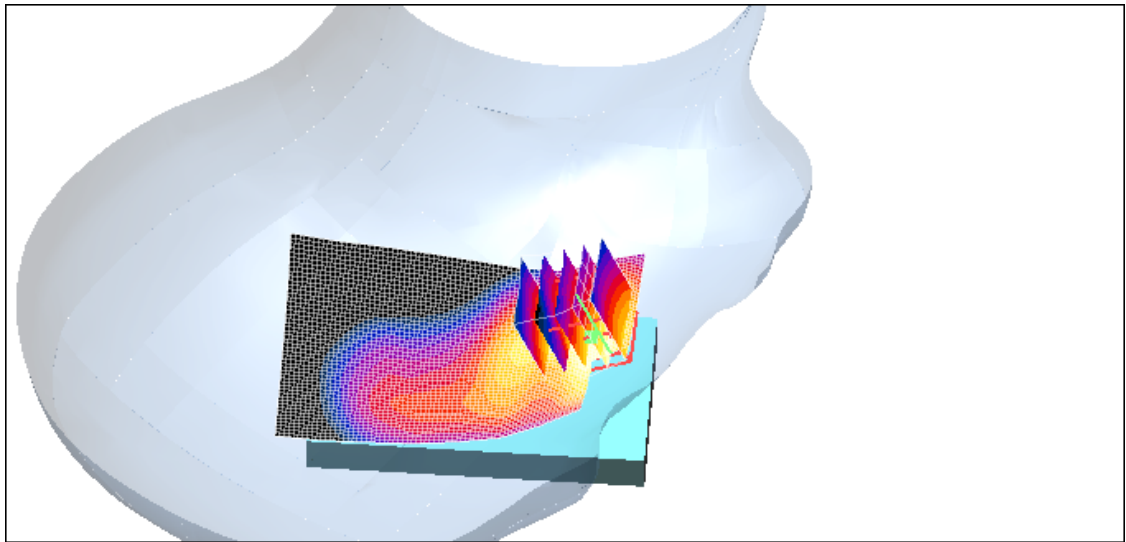
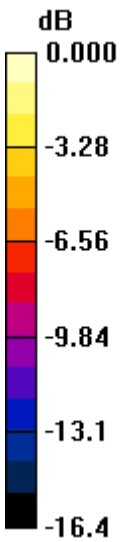
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 1.17mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>22(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/5/2010 3:02:34 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_UMTS\_Band\_IV\_high\_chan\_amb\_temp\_22.9\_liq\_temp\_21.6C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1752.6$  MHz;  $\sigma = 1.32$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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 (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.28 mW/g

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

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

Reference Value = 7.59 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.610 mW/g**

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

Maximum value of SAR (measured) = 1.18 mW/g

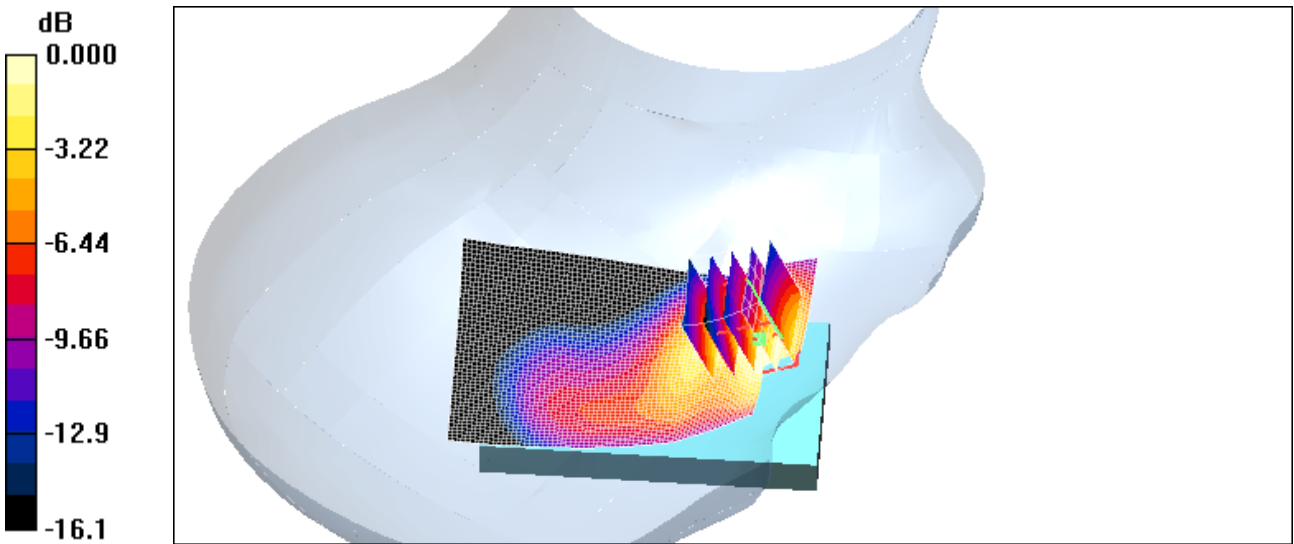
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 1.18mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>24(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/5/2010 3:17:42 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_Tilt\_\_UMTS\_Band\_IV\_low\_chan\_amb\_temp\_22.8\_liq\_temp\_21.5C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.23$  mho/m;  $\epsilon_r = 40.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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 (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.286 mW/g

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

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

Reference Value = 10.7 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.343 W/kg

**SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.158 mW/g**

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

Maximum value of SAR (measured) = 0.259 mW/g



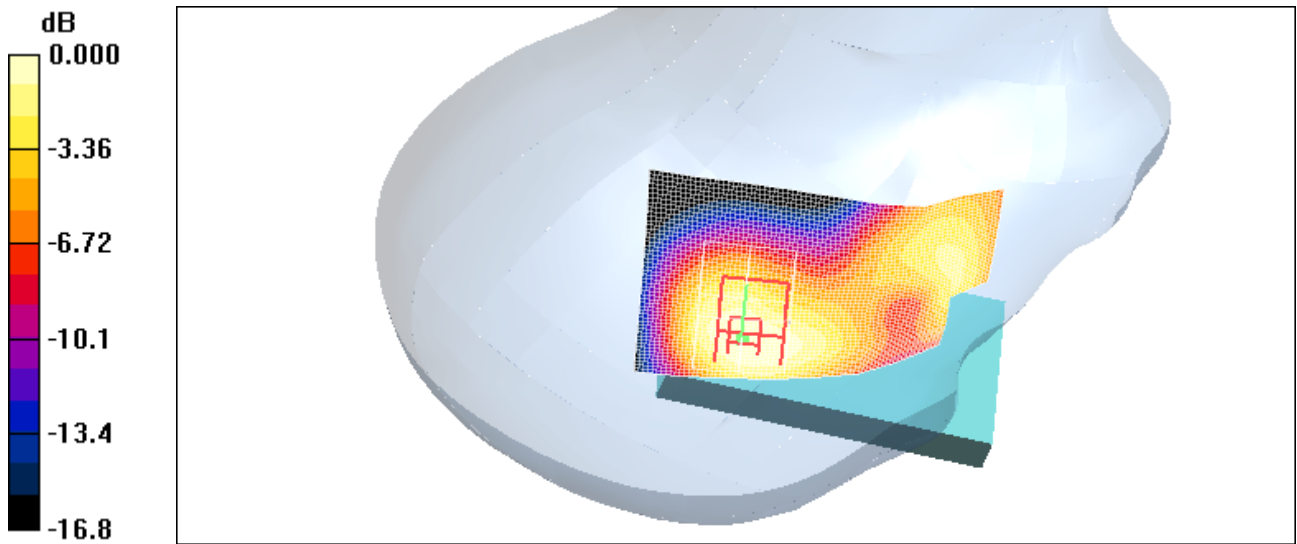
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.259mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>26(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/4/2010 5:18:34 PM

Test Laboratory: RIM TESTING SERVICES

File Name: [LeftHandSide\\_EDGE1900\\_mid\\_chan\\_amb\\_temp\\_22.4\\_liq\\_temp\\_21.3C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 221597EB**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.729 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 = 10.0 V/m; Power Drift = -0.129 dB  
Peak SAR (extrapolated) = 1.00 W/kg  
**SAR(1 g) = 0.686 mW/g; SAR(10 g) = 0.416 mW/g**

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

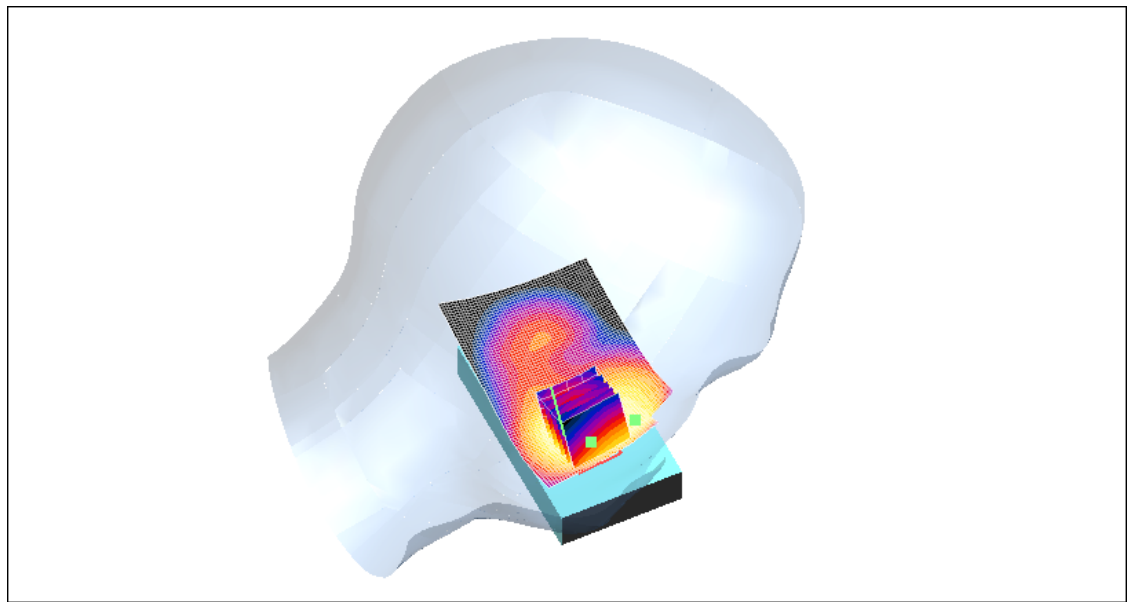
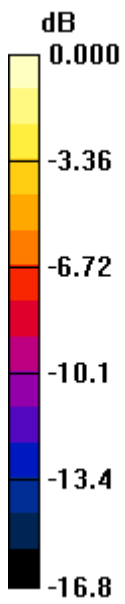
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.748mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>28(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/4/2010 5:39:55 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[LeftHandSide Tilt EDGE1900\\_mid\\_chan\\_amb\\_temp\\_22.6\\_liq\\_temp\\_21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 221597EB**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: EDGE 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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

Maximum value of SAR (interpolated) = 0.288 mW/g

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


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

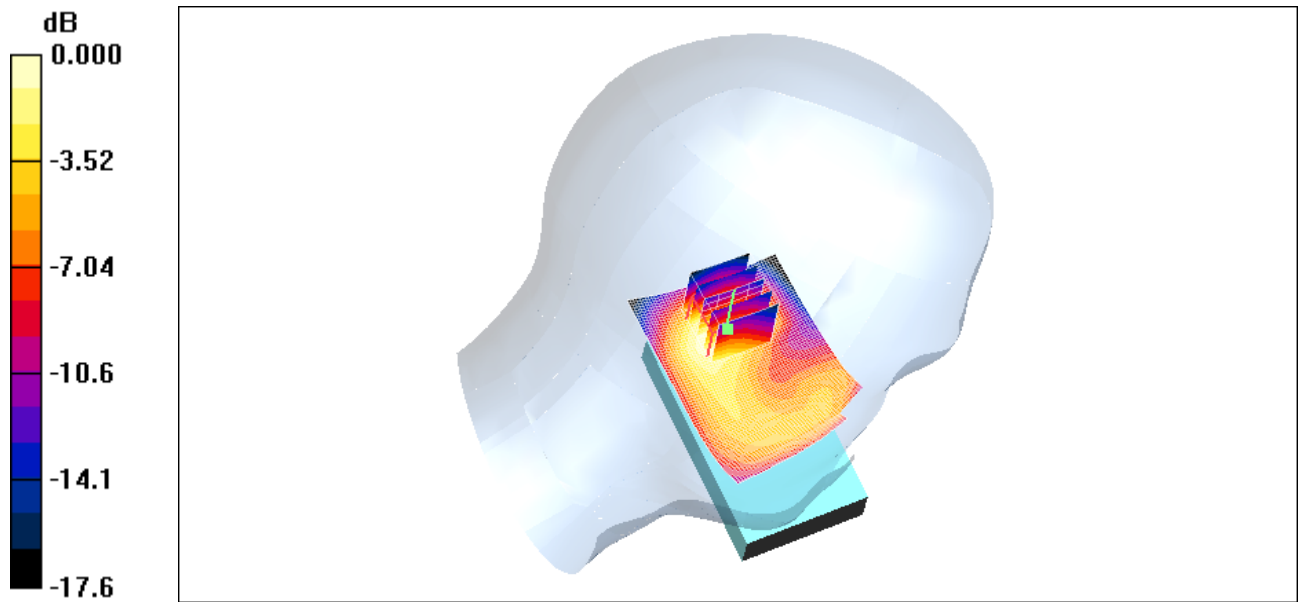
Reference Value = 13.6 V/m; Power Drift = 0.063 dB

Peak SAR (extrapolated) = 0.407 W/kg


**SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.145 mW/g**

Maximum value of SAR (measured) = 0.271 mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>29(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>



0 dB = 0.271mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>30(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/4/2010 1:35:57 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_EDGE1900\_mid\_chan\_amb\_temp\_22.6\_liq\_temp\_22.0**

**C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 221597EB**

Communication System: EDGE 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.942 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 = 10.3 V/m; Power Drift = -0.280 dB  
Peak SAR (extrapolated) = 1.19 W/kg  
**SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.404 mW/g**

Maximum value of SAR (measured) = 0.738 mW/g

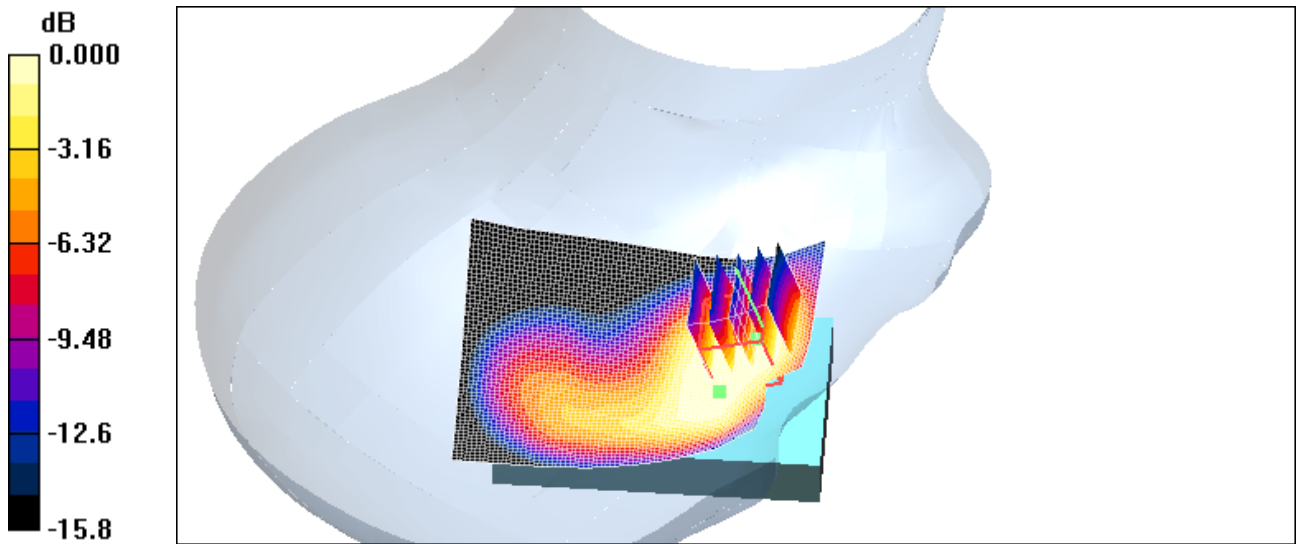
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.738mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>32(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/4/2010 1:54:12 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_GSM1900\_mid\_chan\_amb\_temp\_22.5\_liq\_temp\_22.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 221597EB**

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.888 mW/g

**Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  
dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 9.57 V/m; Power Drift = 0.030 dB  
Peak SAR (extrapolated) = 1.14 W/kg  
**SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.382 mW/g**

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



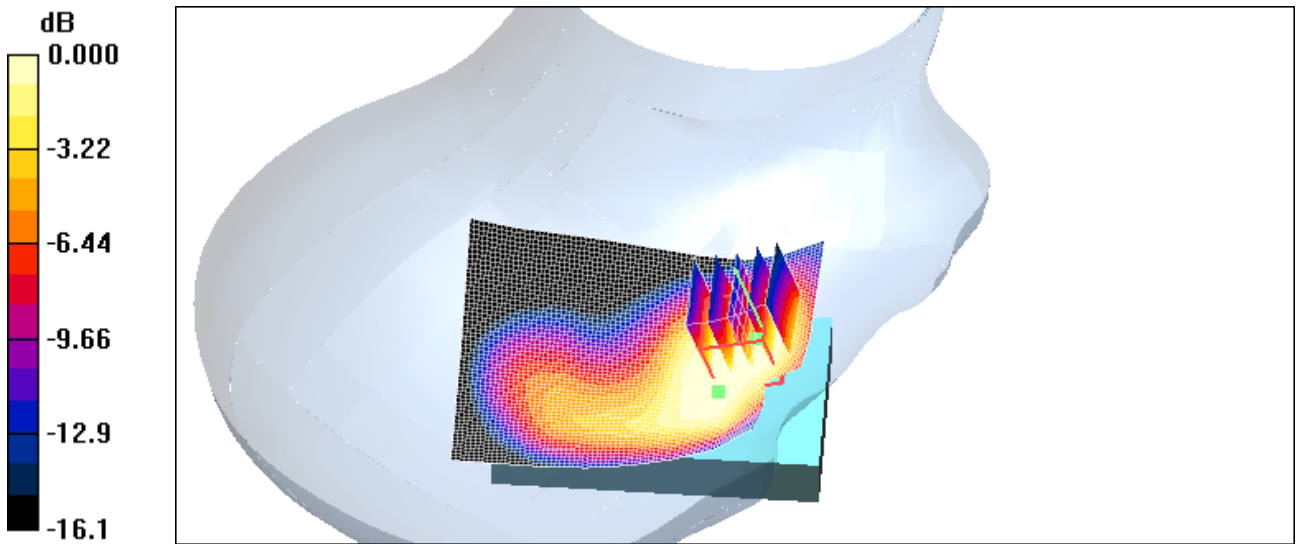
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.717mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>34(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/4/2010 2:10:45 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_Tilt\_EDGE1900\_mid\_chan\_amb\_temp\_22.4\_liq\_temp\_2 2.2C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 221597EB**

Communication System: EDGE 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.317 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 = 12.6 V/m; Power Drift = -0.052 dB  
Peak SAR (extrapolated) = 0.430 W/kg  
**SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.169 mW/g**

Maximum value of SAR (measured) = 0.305 mW/g

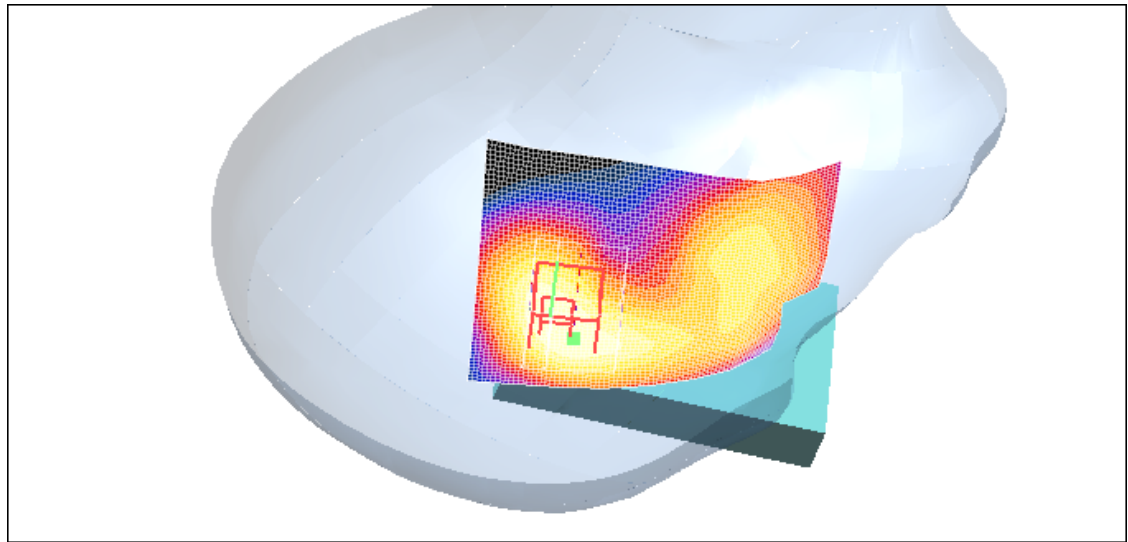
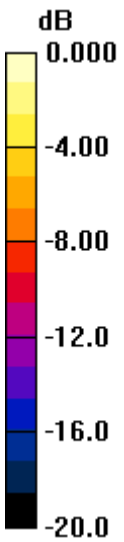
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.305mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>36(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/10/2010 11:40:55 PM

Test Laboratory: RIM TESTING SERVICES

File Name: [LeftHandSide\\_802.11b\\_mid\\_chan\\_amb\\_temp\\_23.8\\_liq\\_temp\\_21.9C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**  
**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 37.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.53, 4.53, 4.53); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.061 mW/g

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

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

Reference Value = 5.94 V/m; Power Drift = 0.138 dB

Peak SAR (extrapolated) = 0.083 W/kg

**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.027 mW/g**

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

Maximum value of SAR (measured) = 0.054 mW/g

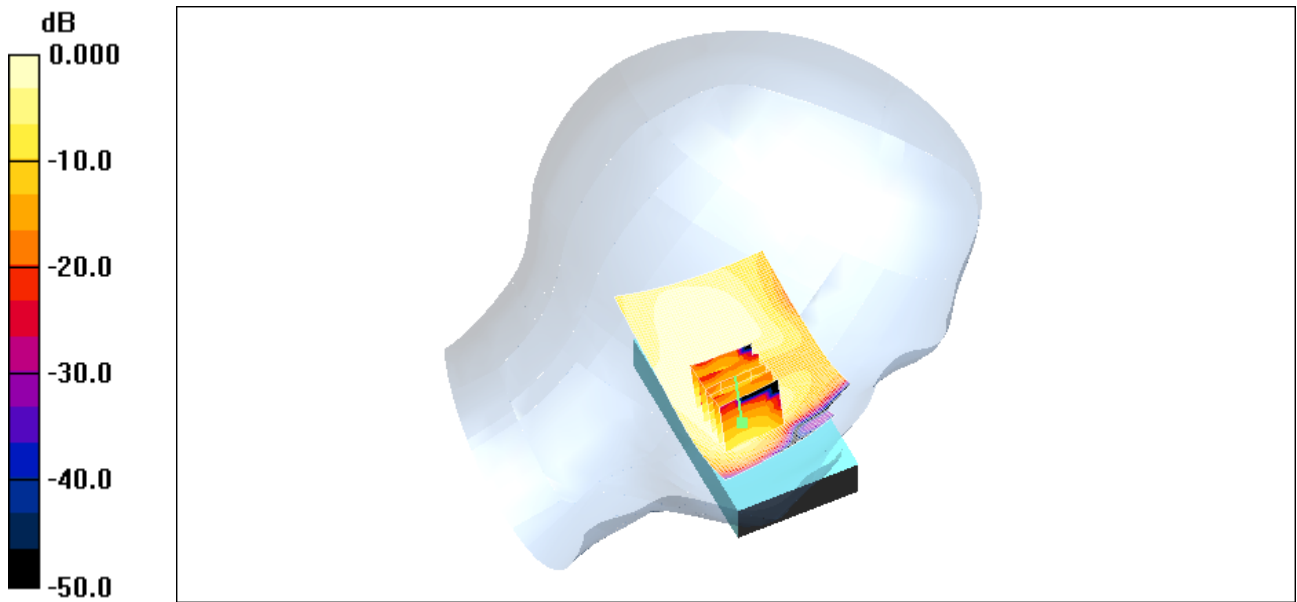
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.054mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>38(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/10/2010 11:17:29 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[LeftHandSide\\_Tilt\\_802.11b\\_mid\\_chan\\_amb\\_temp\\_23.7\\_liq\\_temp\\_21.8C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**

**Program Name: Compliance Testing: (Left-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 37.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.53, 4.53, 4.53); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.072 mW/g

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

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

Reference Value = 6.71 V/m; Power Drift = -0.245 dB

Peak SAR (extrapolated) = 0.124 W/kg

**SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.034 mW/g**

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

Maximum value of SAR (measured) = 0.079 mW/g

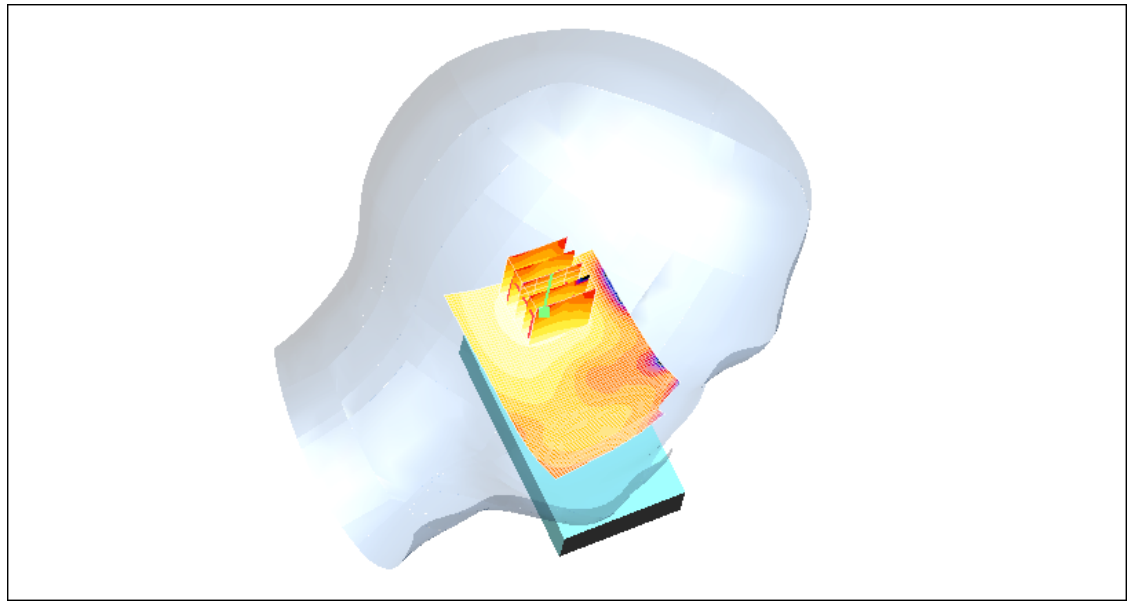
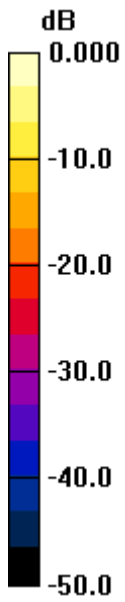
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.079mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>40(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/10/2010 9:47:20 PM

Test Laboratory: RIM TESTING SERVICES

File Name: [RightHandSide\\_802.11b\\_low\\_chan\\_amb\\_temp\\_23.0\\_liq\\_temp\\_21.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.82$  mho/m;  $\epsilon_r = 37$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.53, 4.53, 4.53); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.091 mW/g

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

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

Reference Value = 4.80 V/m; Power Drift = 0.398 dB


Peak SAR (extrapolated) = 0.202 W/kg

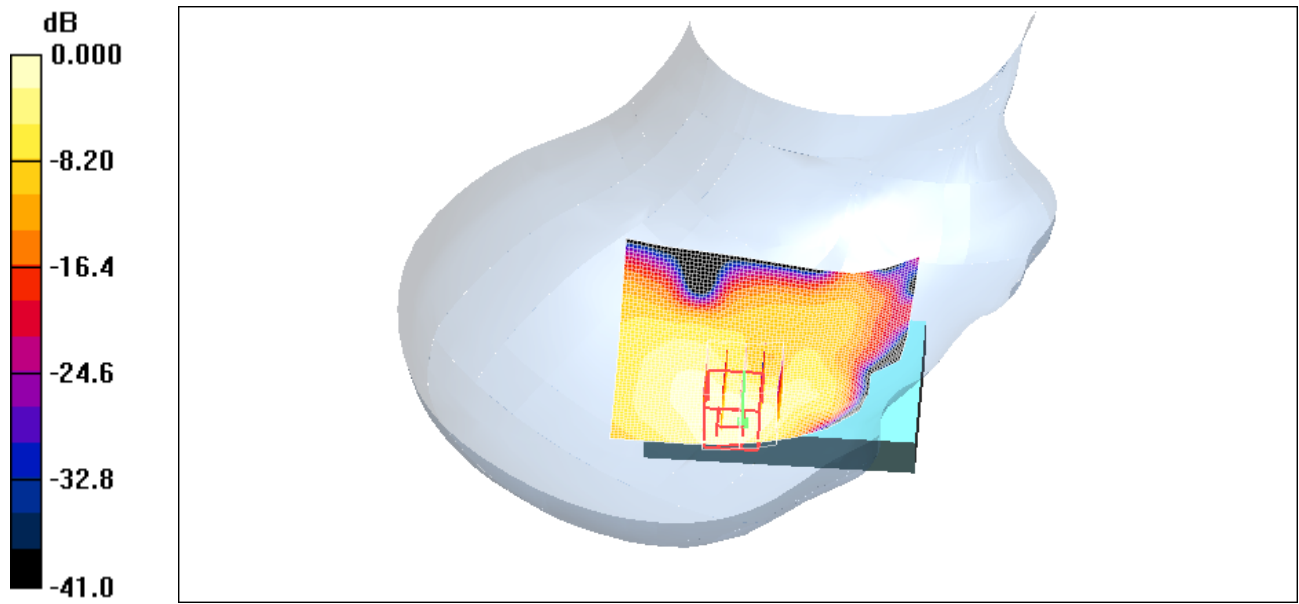
**SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.048 mW/g**

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


Maximum value of SAR (measured) = 0.102 mW/g



	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>41(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>



0 dB = 0.102mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>42(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/10/2010 10:08:13 PM

Test Laboratory: RIM TESTING SERVICES

File Name: [RightHandSide\\_802.11b\\_mid\\_chan\\_amb\\_temp\\_22.9\\_liq\\_temp\\_21.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 37.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.53, 4.53, 4.53); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.106 mW/g

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

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

Reference Value = 5.23 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.242 W/kg

**SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.056 mW/g**

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

Maximum value of SAR (measured) = 0.125 mW/g

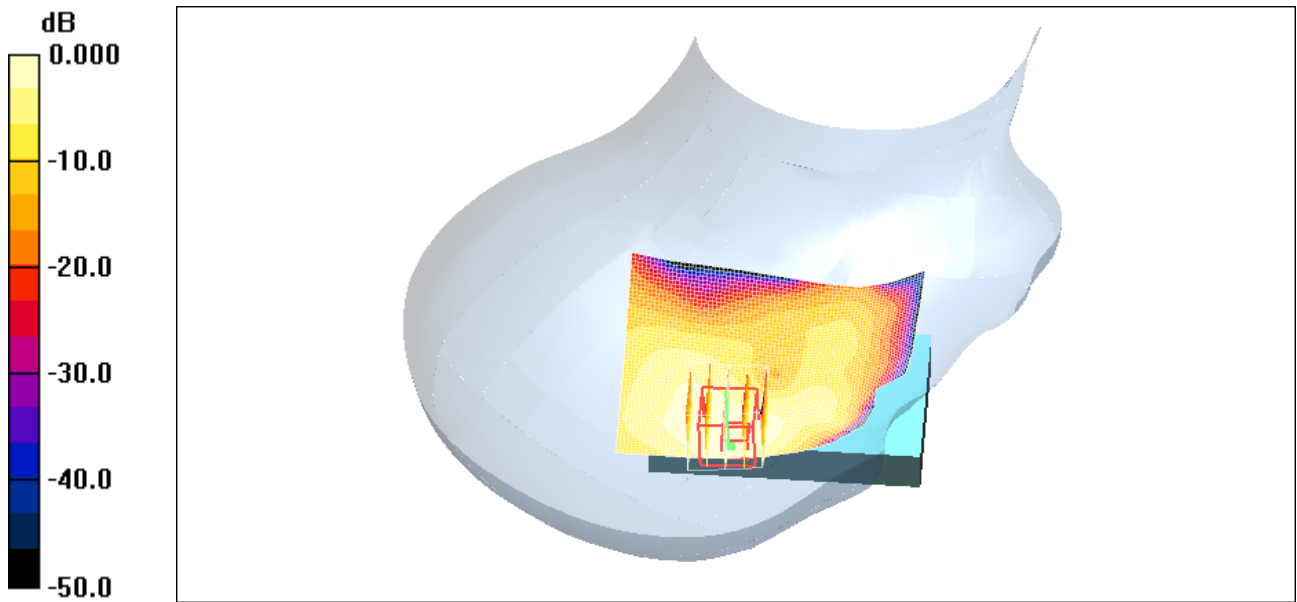
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.125mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>44(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/10/2010 10:26:47 PM

Test Laboratory: RIM TESTING SERVICES

File Name: [RightHandSide\\_802.11b\\_high\\_chan\\_amb\\_temp\\_23.5\\_liq\\_temp\\_21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**  
**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 37.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.53, 4.53, 4.53); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.098 mW/g

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

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

Reference Value = 5.12 V/m; Power Drift = 0.340 dB

Peak SAR (extrapolated) = 0.196 W/kg

**SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.052 mW/g**

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

Maximum value of SAR (measured) = 0.115 mW/g

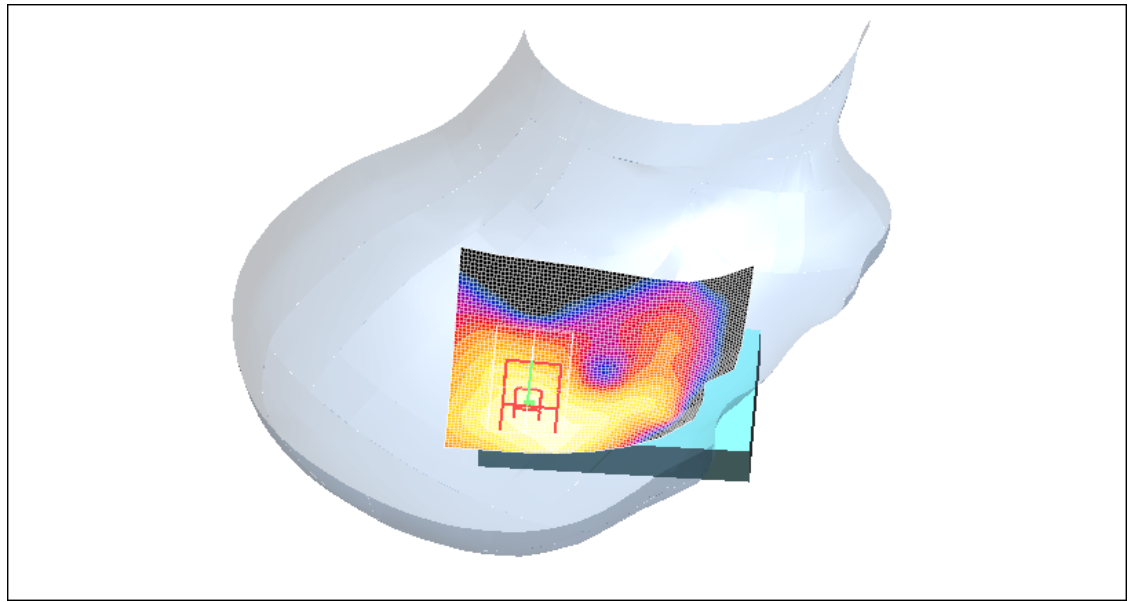
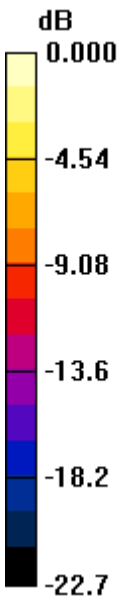
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.115mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>46(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

Date/Time: 5/10/2010 10:49:27 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[RightHandSide\\_Tilt\\_802.11b\\_mid\\_chan\\_amb\\_temp\\_23.7\\_liq\\_temp\\_21.8C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2230450D**

**Program Name: Compliance Testing: (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 37.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.53, 4.53, 4.53); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- 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) = 0.098 mW/g

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

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

Reference Value = 6.40 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.167 W/kg

**SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.048 mW/g**

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

Maximum value of SAR (measured) = 0.099 mW/g

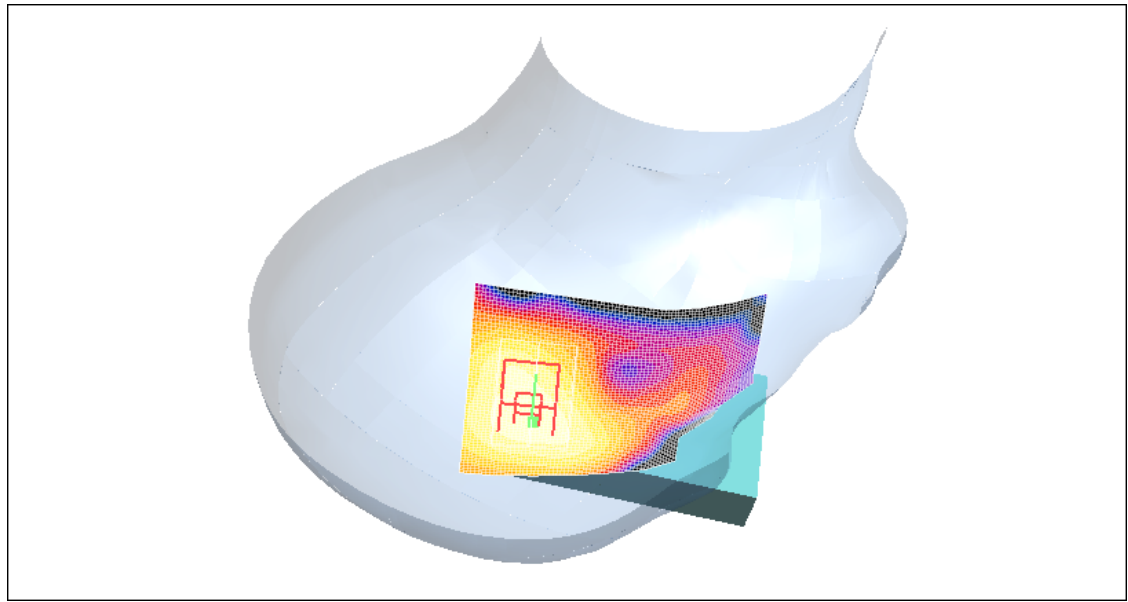
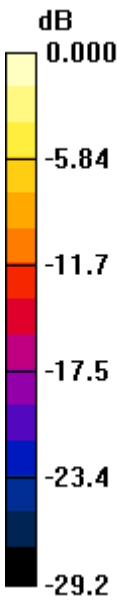
Author Data  
**Andrew Becker**

Dates of Test  
**April 28– May 11, 2010**


Test Report No  
**RTS-2671-1005-55**

FCC ID:  
**L6ARDB70UW**

IC ID  
**2503A-RDB70UW**



0 dB = 0.099mW/g

	Document <b>Appendix B for the BlackBerry® Smartphone Model RDB71UW SAR Report</b>			Page <b>48(48)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>April 28– May 11, 2010</b>	Test Report No <b>RTS-2671-1005-55</b>	FCC ID: <b>L6ARDB70UW</b>

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

