
	Document <b>Appendix C for the BlackBerry® Smartphone Model  RCZ31CW SAR Report</b>			Page <b>1(50)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>Mar 12 – Mar 30, 2010</b>	Test Report No <b>RTS-2068-1004-37</b>	FCC ID: <b>L6ARCZ30CW</b>

**APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION**

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Date/Time: 3/31/2010 10:06:42 AM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Vertical\\_Holster\\_Back\\_CDMA800\\_mid\\_chan\\_amb\\_temp\\_22.5C\\_liq\\_temp\\_21.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.574 mW/g

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

Reference Value = 24.2 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 0.681 W/kg

**SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.391 mW/g**

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

Maximum value of SAR (measured) = 0.564 mW/g

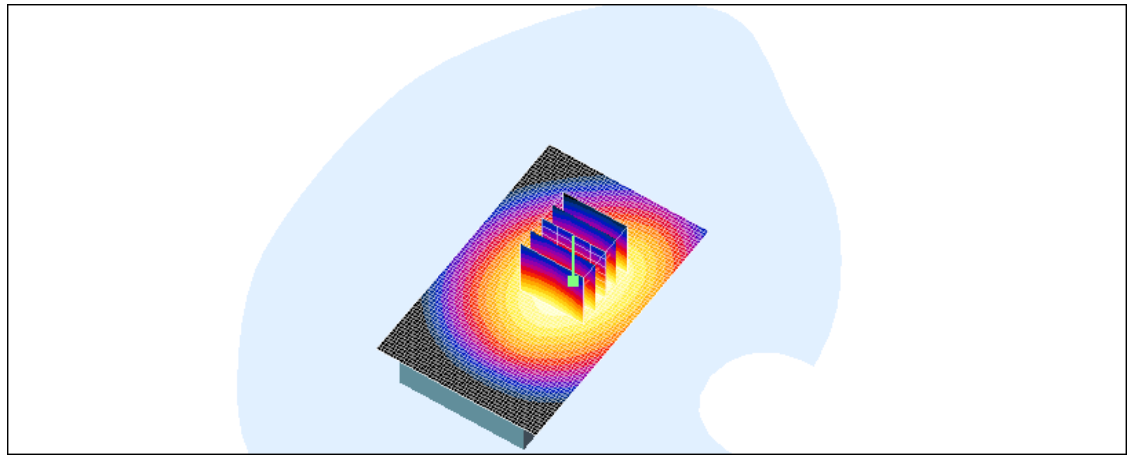
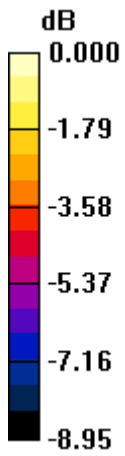
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

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0 dB = 0.564mW/g

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Date/Time: 3/31/2010 10:28:06 AM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal\\_Holster\\_Back\\_CDMA800\\_mid\\_chan\\_amb\\_temp\\_22.4C\\_liq\\_temp\\_21.3C.da  
4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.697 mW/g

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

Reference Value = 26.5 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.880 W/kg

**SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.483 mW/g**

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

Maximum value of SAR (measured) = 0.691 mW/g

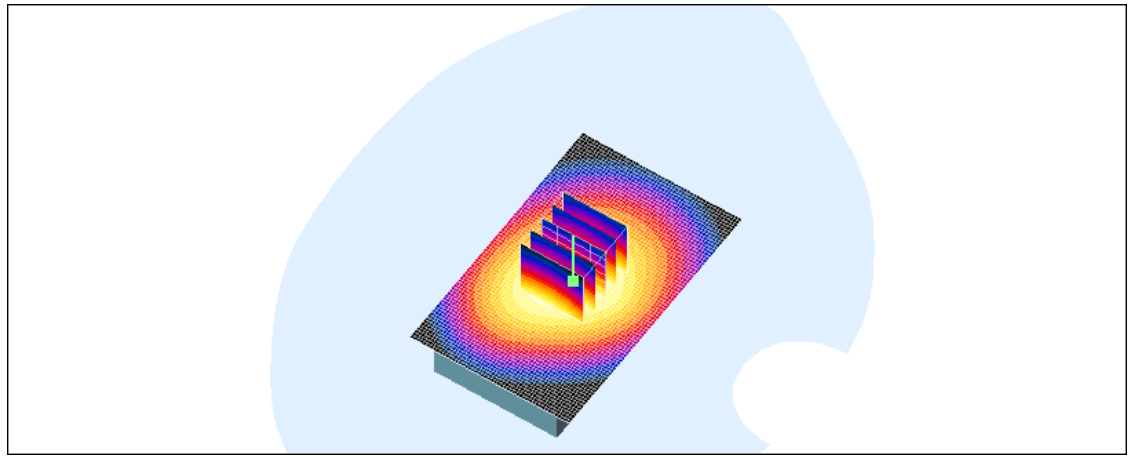
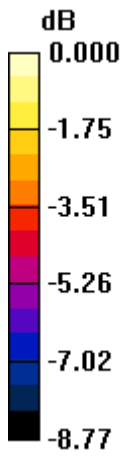
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


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**RTS-2068-1004-37**

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**L6ARCZ30CW**

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0 dB = 0.691mW/g

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Date/Time: 3/31/2010 12:18:00 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal\\_Holster\\_Front\\_CDMA800\\_mid\\_chan\\_amb\\_temp\\_23.1C\\_liq\\_temp\\_21.7C.da](#)  
4

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.669 mW/g

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

Reference Value = 25.4 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 0.829 W/kg

**SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.458 mW/g**

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

Maximum value of SAR (measured) = 0.663 mW/g

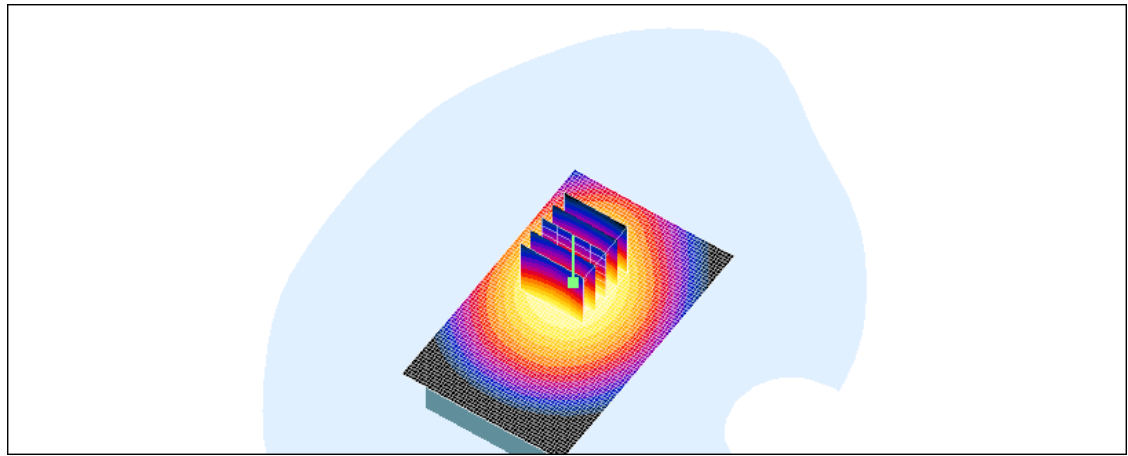
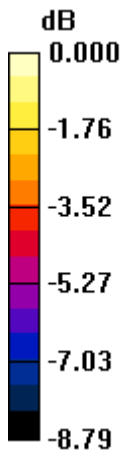
Author Data  
**Andrew Becker**

Dates of Test  
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0 dB = 0.663mW/g

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Date/Time: 3/31/2010 10:45:46 AM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal Holster HS#1 Back CDMA800 mid chan amb temp 22.6C liq temp 21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.553 mW/g

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

Reference Value = 23.6 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 0.668 W/kg

**SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.377 mW/g**

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

Maximum value of SAR (measured) = 0.554 mW/g



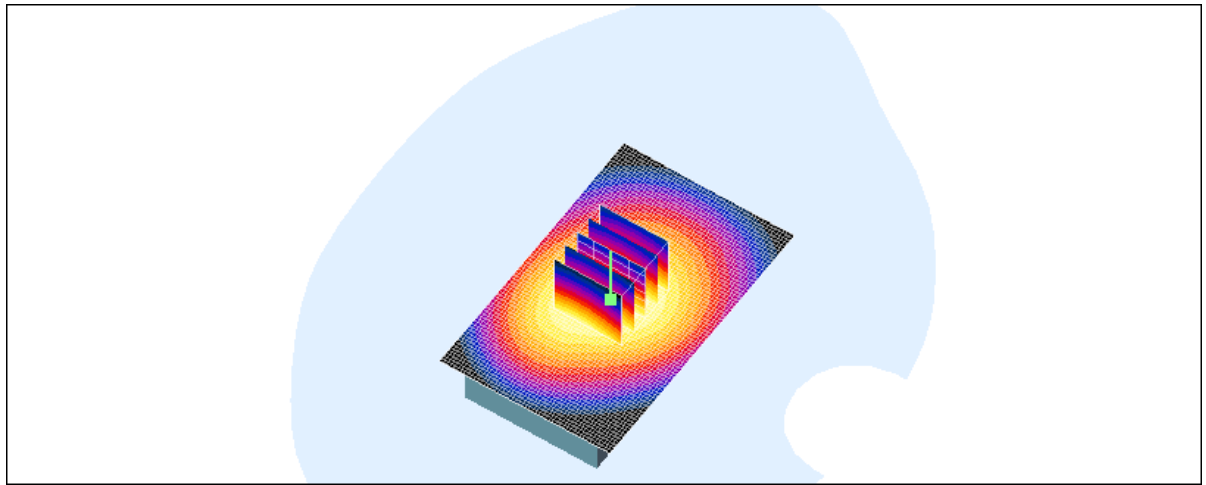
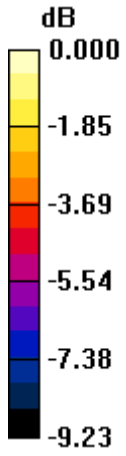
Author Data  
**Andrew Becker**

Dates of Test  
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0 dB = 0.554mW/g

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Date/Time: 3/31/2010 11:18:35 AM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal Holster HS#2 Back CDMA800 mid chan amb temp 22.7C liq temp 21.5C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**  
**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.516 mW/g

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

Reference Value = 22.0 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.639 W/kg

**SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.351 mW/g**

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

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

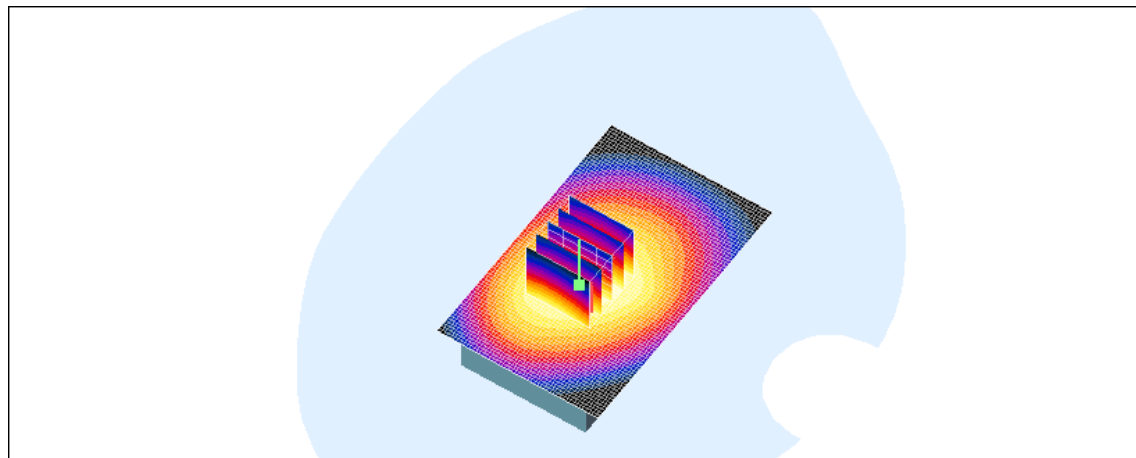
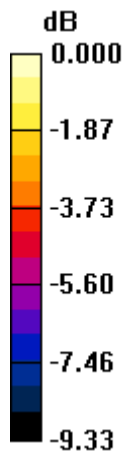
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

IC ID:  
**2503A-RCZ30CW**



0 dB = 0.511mW/g

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Date/Time: 3/31/2010 11:34:27 AM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal Holster HS#3 Back CDMA800 mid chan amb temp 22.8C liq temp 21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.422 mW/g

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

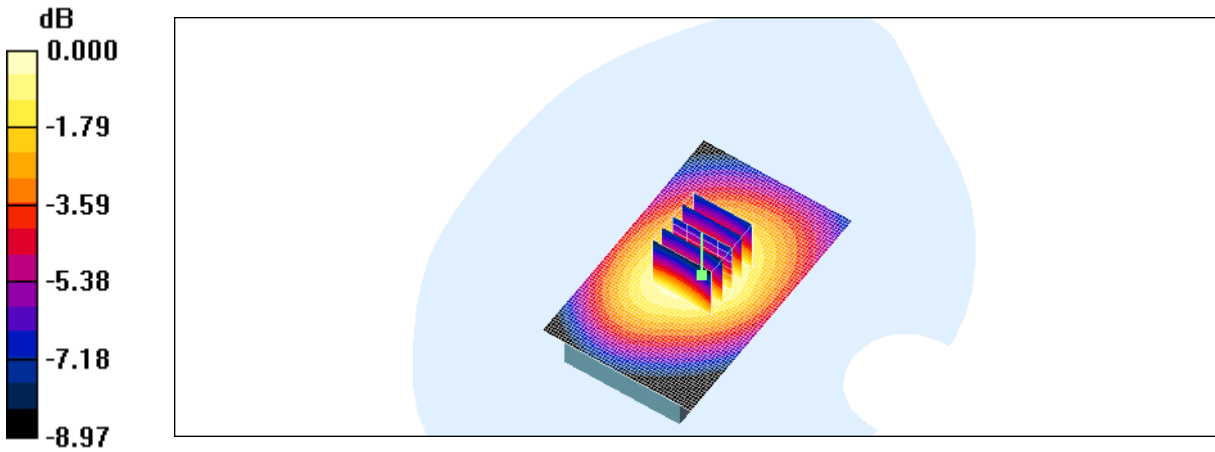
Reference Value = 20.9 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 0.524 W/kg


**SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.294 mW/g**

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

Maximum value of SAR (measured) = 0.425 mW/g



0 dB = 0.425mW/g

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Date/Time: 3/31/2010 12:33:07 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[25mm Spacer Back CDMA800 mid chan amb temp 23.2C liq temp 21.8C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.550 mW/g

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

Reference Value = 23.3 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.671 W/kg

**SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.385 mW/g**

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

Maximum value of SAR (measured) = 0.547 mW/g

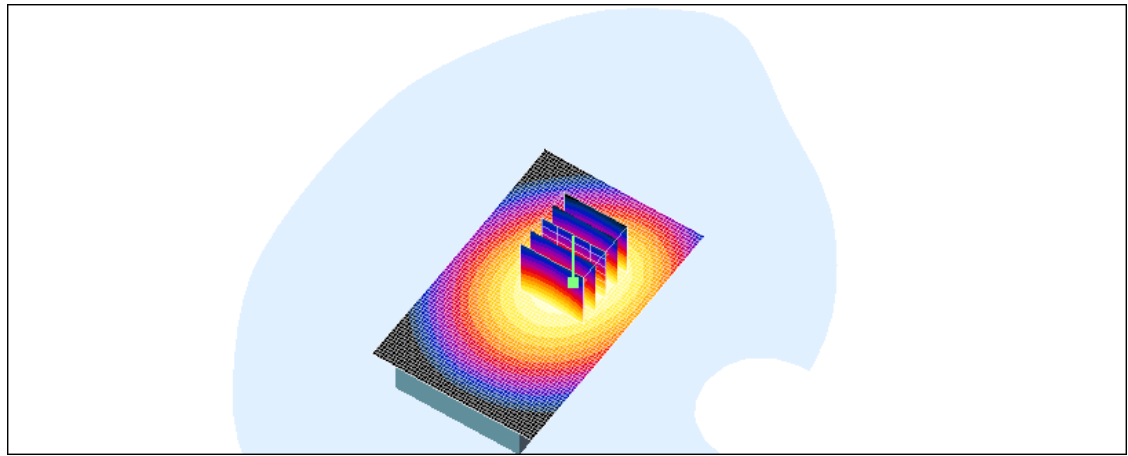
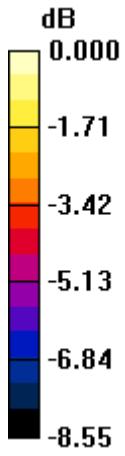
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

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0 dB = 0.547mW/g

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Date/Time: 3/30/2010 1:36:50 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Vertical Holster Back CDMA1700 mid chan amb temp 22.1 liq temp 20.8C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA AWS 1700; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.268 mW/g

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

Reference Value = 9.70 V/m; Power Drift = 0.000 dB

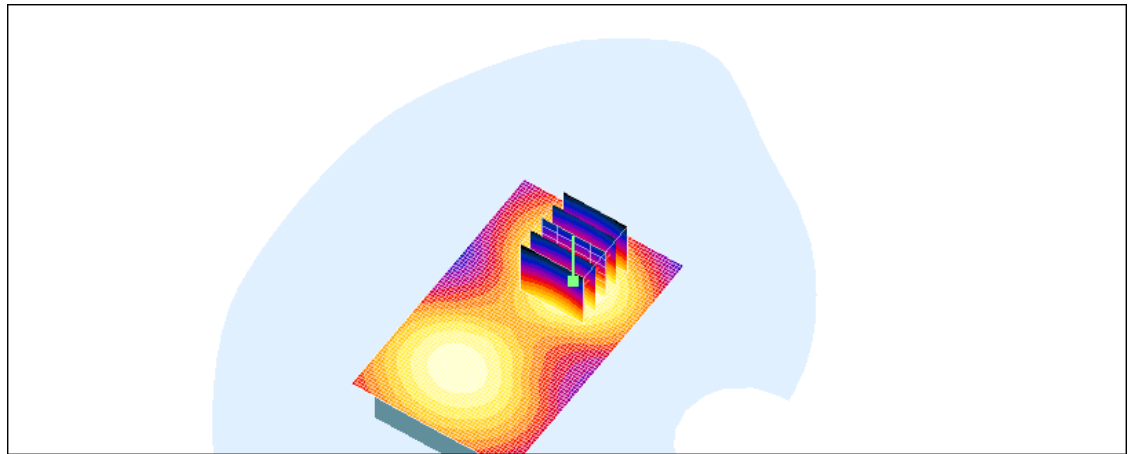
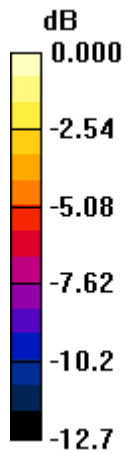
Peak SAR (extrapolated) = 0.361 W/kg

**SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.157 mW/g**


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

Maximum value of SAR (measured) = 0.266 mW/g





0 dB = 0.266mW/g

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Date/Time: 3/30/2010 1:53:14 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal\\_Holster\\_Back\\_CDMA1700\\_mid\\_chan\\_amb\\_temp\\_23.0\\_liq\\_temp\\_20.9C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA AWS 1700; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.310 mW/g

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

Reference Value = 10.2 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 0.426 W/kg

**SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.186 mW/g**

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

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

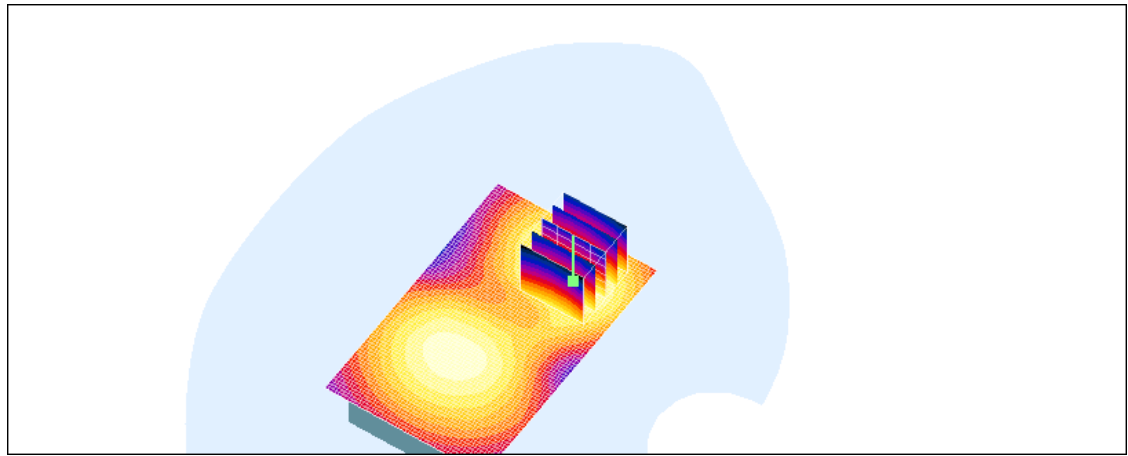
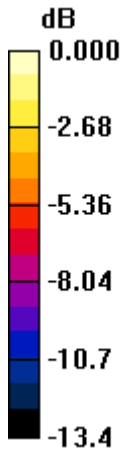
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

IC ID:  
**2503A-RCZ30CW**



0 dB = 0.313mW/g

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Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
<b>Andrew Becker</b>	<b>Mar 12 – Mar 30, 2010</b>	<b>RTS-2068-1004-37</b>	<b>L6ARCZ30CW</b>	<b>2503A-RCZ30CW</b>

Date/Time: 3/30/2010 2:09:46 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal\\_Holster\\_Front\\_CDMA1700\\_mid\\_chan\\_amb\\_temp\\_23.1\\_liq\\_temp\\_21.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA AWS 1700; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.260 mW/g

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

Reference Value = 8.52 V/m; Power Drift = 0.185 dB

Peak SAR (extrapolated) = 0.336 W/kg

**SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.159 mW/g**

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

Maximum value of SAR (measured) = 0.251 mW/g

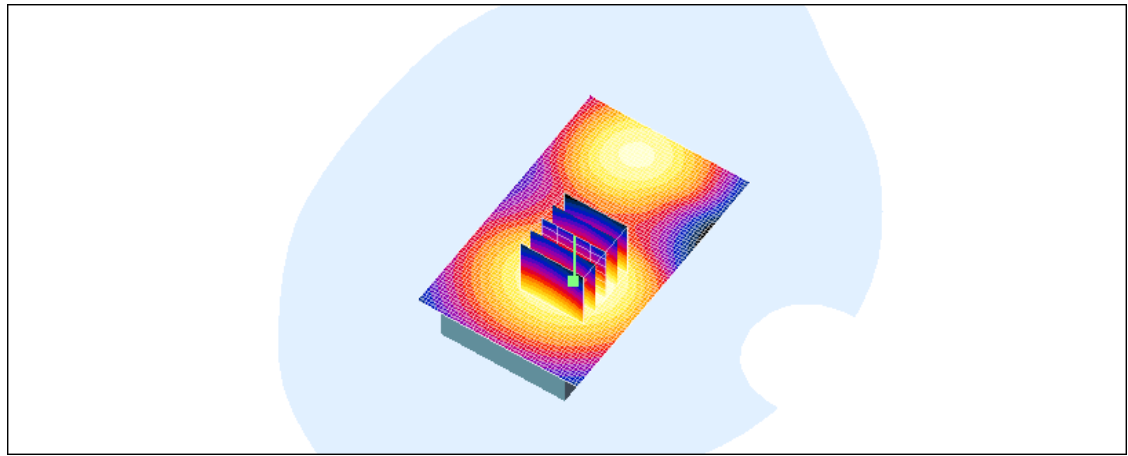
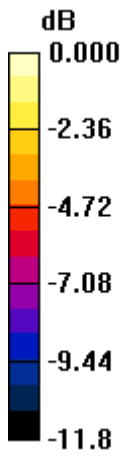
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

IC ID:  
**2503A-RCZ30CW**



0 dB = 0.251mW/g

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	Author Data <b>Andrew Becker</b>	Dates of Test <b>Mar 12 – Mar 30, 2010</b>	Test Report No <b>RTS-2068-1004-37</b>	FCC ID: <b>L6ARCZ30CW</b>

Date/Time: 3/30/2010 2:26:20 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal Holster Back HS#2 CDMA1700 mid chan amb temp 22.6 liq temp 21.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA AWS 1700; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.293 mW/g

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

Reference Value = 12.9 V/m; Power Drift = 0.163 dB

Peak SAR (extrapolated) = 0.401 W/kg

**SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.186 mW/g**

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

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

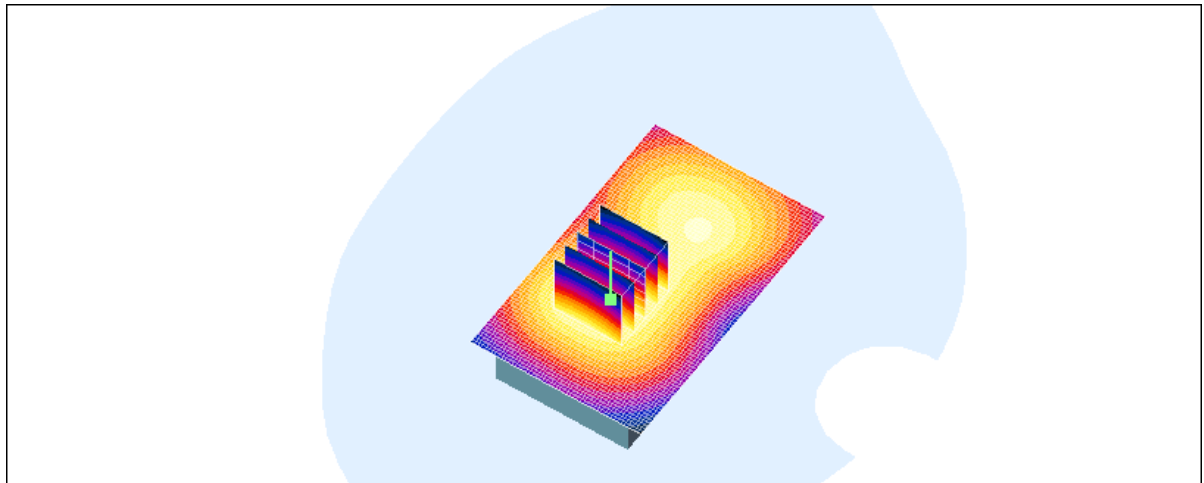
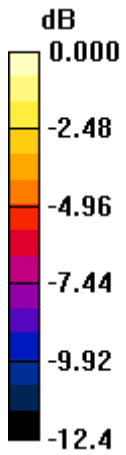
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

IC ID:  
**2503A-RCZ30CW**



0 dB = 0.301mW/g

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Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
<b>Andrew Becker</b>	<b>Mar 12 – Mar 30, 2010</b>	<b>RTS-2068-1004-37</b>	<b>L6ARCZ30CW</b>	<b>2503A-RCZ30CW</b>

Date/Time: 3/30/2010 2:40:50 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[25mm Spacer Back CDMA1700 mid chan amb temp 22.5 liq temp 21.5C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA AWS 1700; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1732.5$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.188 mW/g

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

Reference Value = 8.27 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.248 W/kg

**SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.120 mW/g**

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

Maximum value of SAR (measured) = 0.187 mW/g



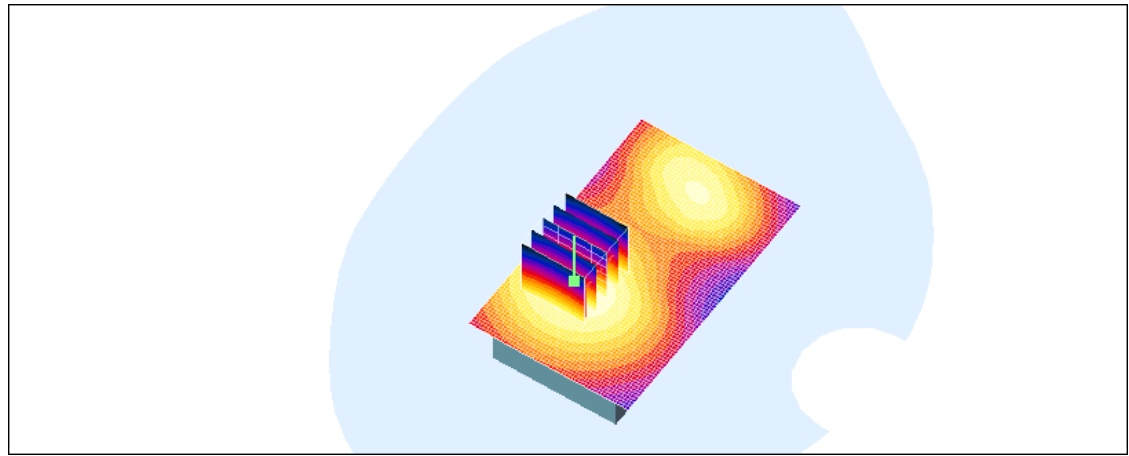
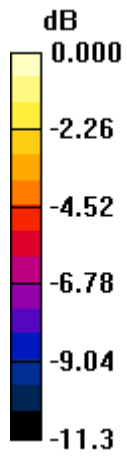
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

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**2503A-RCZ30CW**



0 dB = 0.187mW/g

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Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
<b>Andrew Becker</b>	<b>Mar 12 – Mar 30, 2010</b>	<b>RTS-2068-1004-37</b>	<b>L6ARCZ30CW</b>	<b>2503A-RCZ30CW</b>

Date/Time: 3/25/2010 2:35:31 AM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Vertical Holster Back CDMA1900 high chan amb temp 23.3C liq temp 21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 1900; Frequency: 1908.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1908.5$  MHz;  $\sigma = 1.61$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.83, 4.83, 4.83); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.380 mW/g

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

Reference Value = 9.59 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.558 W/kg

**SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.216 mW/g**

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

Maximum value of SAR (measured) = 0.391 mW/g

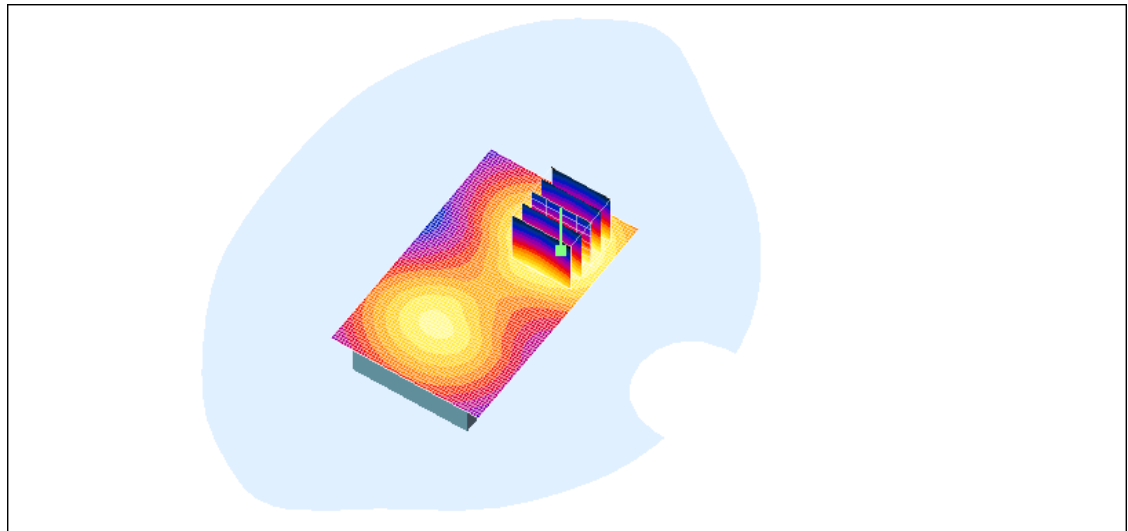
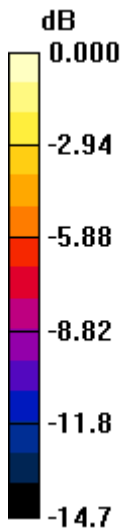
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

IC ID:  
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0 dB = 0.391mW/g

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<b>Andrew Becker</b>	<b>Mar 12 – Mar 30, 2010</b>	<b>RTS-2068-1004-37</b>	<b>L6ARCZ30CW</b>	<b>2503A-RCZ30CW</b>

Date/Time: 3/25/2010 3:07:58 AM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal\\_Holster\\_Back\\_CDMA1900\\_high\\_chan\\_amb\\_temp\\_23.3C\\_liq\\_temp\\_21.4C.d  
a4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 1900; Frequency: 1908.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1908.5$  MHz;  $\sigma = 1.61$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.83, 4.83, 4.83); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.417 mW/g

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

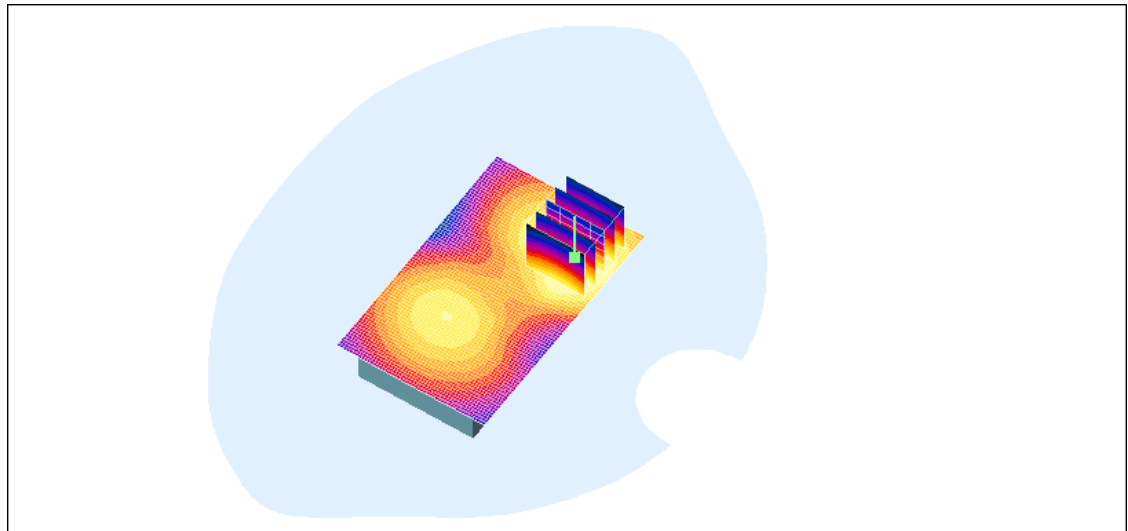
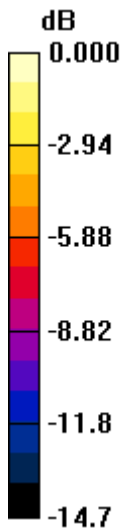
Reference Value = 8.92 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 0.594 W/kg


**SAR(1 g) = 0.390 mW/g; SAR(10 g) = 0.242 mW/g**

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

Maximum value of SAR (measured) = 0.422 mW/g



0 dB = 0.422mW/g

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	Author Data <b>Andrew Becker</b>	Dates of Test <b>Mar 12 – Mar 30, 2010</b>	Test Report No <b>RTS-2068-1004-37</b>	FCC ID: <b>L6ARCZ30CW</b>

Date/Time: 3/25/2010 3:21:29 AM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal\\_Holster\\_Front\\_CDMA1900\\_high\\_chan\\_amb\\_temp\\_23.5C\\_liq\\_temp\\_21.4C.d  
a4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 1900; Frequency: 1908.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1908.5 \text{ MHz}$ ;  $\sigma = 1.61 \text{ mho/m}$ ;  $\epsilon_r = 52.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.83, 4.83, 4.83); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.319 mW/g

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

Reference Value = 6.96 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.401 W/kg

**SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.182 mW/g**

Maximum value of SAR (measured) = 0.295 mW/g

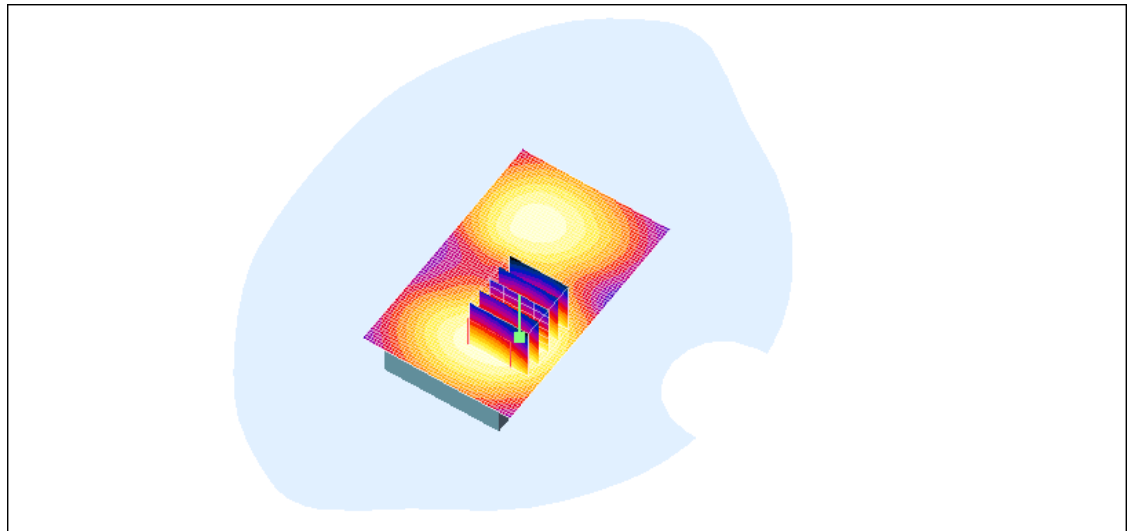
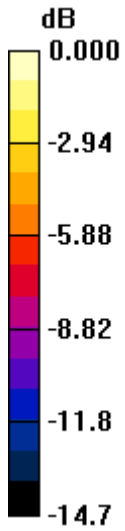
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

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0 dB = 0.295mW/g

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Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
<b>Andrew Becker</b>	<b>Mar 12 – Mar 30, 2010</b>	<b>RTS-2068-1004-37</b>	<b>L6ARCZ30CW</b>	<b>2503A-RCZ30CW</b>

Date/Time: 3/25/2010 3:36:10 AM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal Holster Back HS#1 CDMA1900 high chan amb temp 23.4C liq temp 21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 1900; Frequency: 1908.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1908.5$  MHz;  $\sigma = 1.61$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.83, 4.83, 4.83); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.384 mW/g

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

Reference Value = 11.9 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.529 W/kg

**SAR(1 g) = 0.346 mW/g; SAR(10 g) = 0.217 mW/g**

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

Maximum value of SAR (measured) = 0.372 mW/g



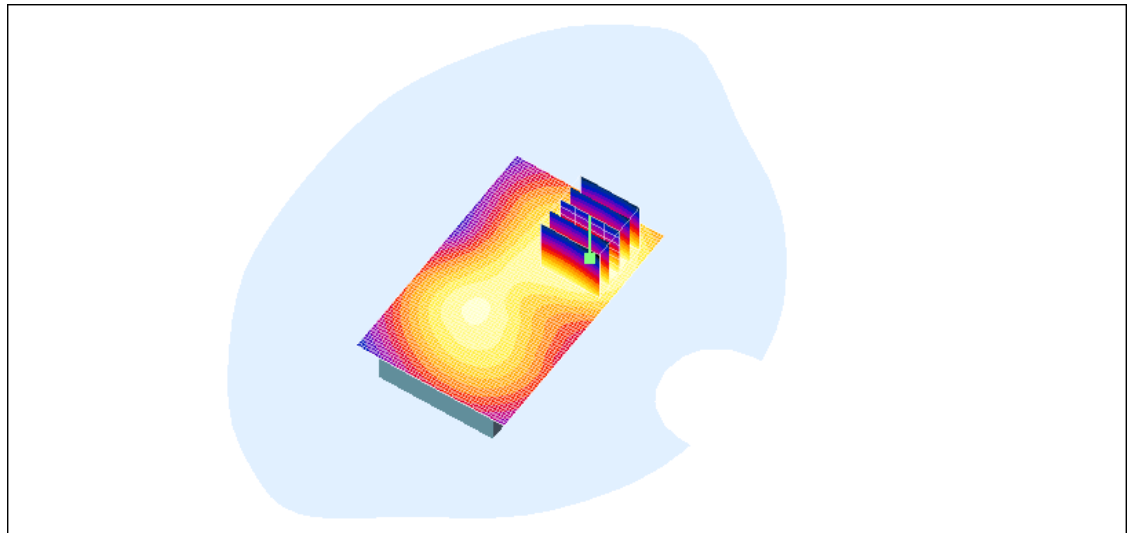
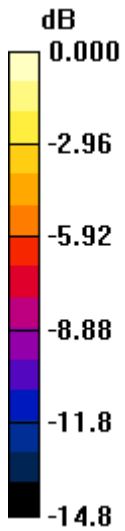
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

IC ID:  
**2503A-RCZ30CW**



0 dB = 0.372mW/g

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Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
<b>Andrew Becker</b>	<b>Mar 12 – Mar 30, 2010</b>	<b>RTS-2068-1004-37</b>	<b>L6ARCZ30CW</b>	<b>2503A-RCZ30CW</b>

Date/Time: 3/25/2010 3:53:57 AM

Test Laboratory: RIM TESTING SERVICES

File Name:

[25mm Spacer Back CDMA1900 high chan amb temp 23.4C liq temp 21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: CDMA 1900; Frequency: 1908.5 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 1908.5$  MHz;  $\sigma = 1.61$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.83, 4.83, 4.83); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.274 mW/g

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

Reference Value = 8.05 V/m; Power Drift = 0.072 dB

Peak SAR (extrapolated) = 0.381 W/kg

**SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.153 mW/g**

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

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

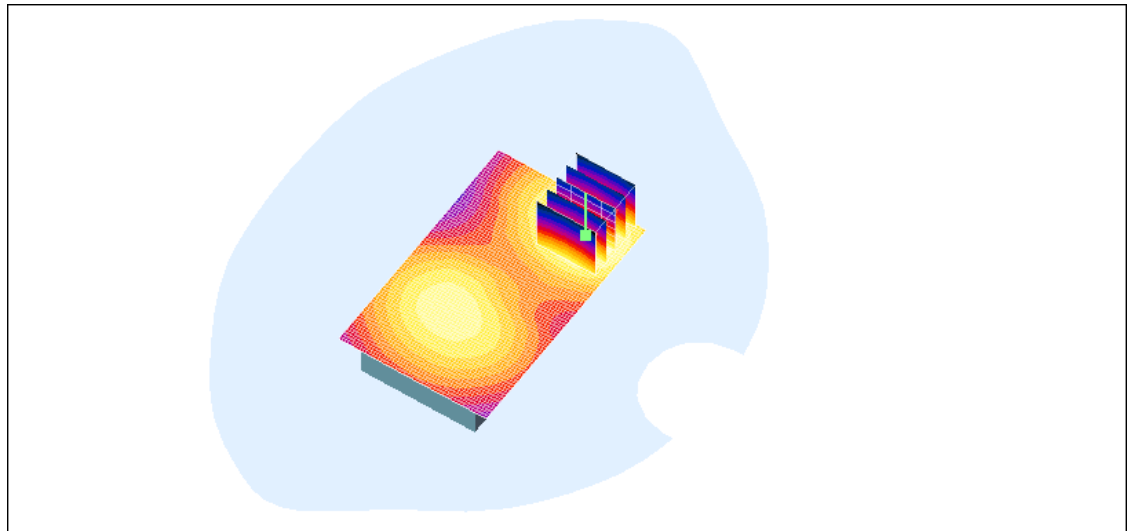
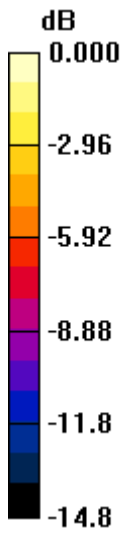
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

IC ID:  
**2503A-RCZ30CW**



0 dB = 0.269mW/g

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	<b>Appendix C for the BlackBerry® Smartphone Model RCZ31CW SAR Report</b>		<b>36(50)</b>	
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
<b>Andrew Becker</b>	<b>Mar 12 – Mar 30, 2010</b>	<b>RTS-2068-1004-37</b>	<b>L6ARCZ30CW</b>	<b>2503A-RCZ30CW</b>

Date/Time: 3/12/2010 3:39:17 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Vertical Holster Back 802.11b mid chan amb temp 22.4C liq temp 21.3C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.108 mW/g

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

Reference Value = 5.04 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.239 W/kg

**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.055 mW/g**

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

Maximum value of SAR (measured) = 0.108 mW/g

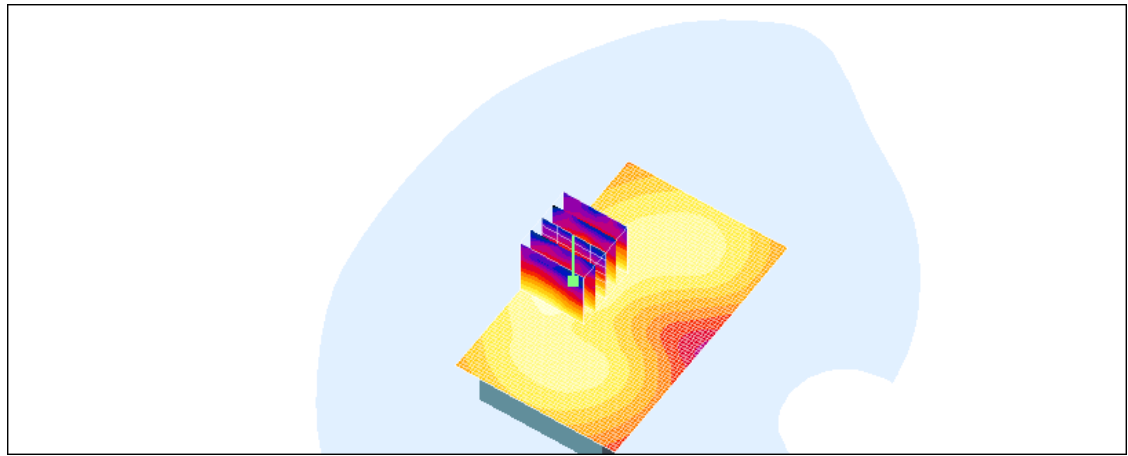
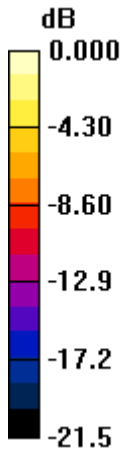
Author Data  
**Andrew Becker**

Dates of Test  
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Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

IC ID:  
**2503A-RCZ30CW**



0 dB = 0.108mW/g

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Date/Time: 3/12/2010 2:55:57 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal\\_Holster\\_Back\\_802.11b\\_mid\\_chan\\_amb\\_temp\\_22.3C\\_liq\\_temp\\_21.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.317 mW/g

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

Reference Value = 7.41 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 0.782 W/kg

**SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.152 mW/g**

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

Maximum value of SAR (measured) = 0.354 mW/g

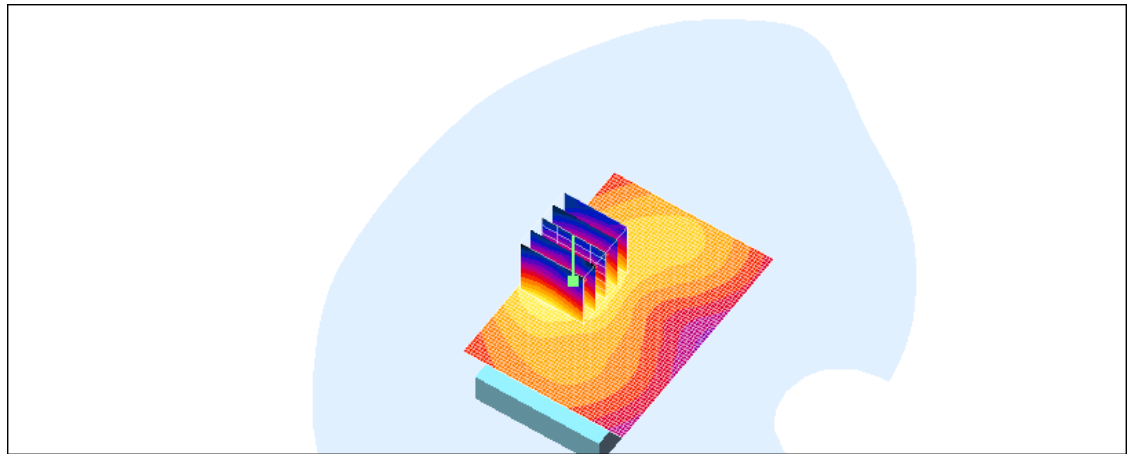
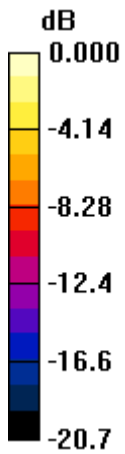
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

IC ID:  
**2503A-RCZ30CW**



0 dB = 0.354mW/g

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Date/Time: 3/12/2010 3:17:08 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal\\_Holster\\_Front\\_802.11b\\_mid\\_chan\\_amb\\_temp\\_23.1C\\_liq\\_temp\\_21.5C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.035 mW/g

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

Reference Value = 1.95 V/m; Power Drift = -0.298 dB

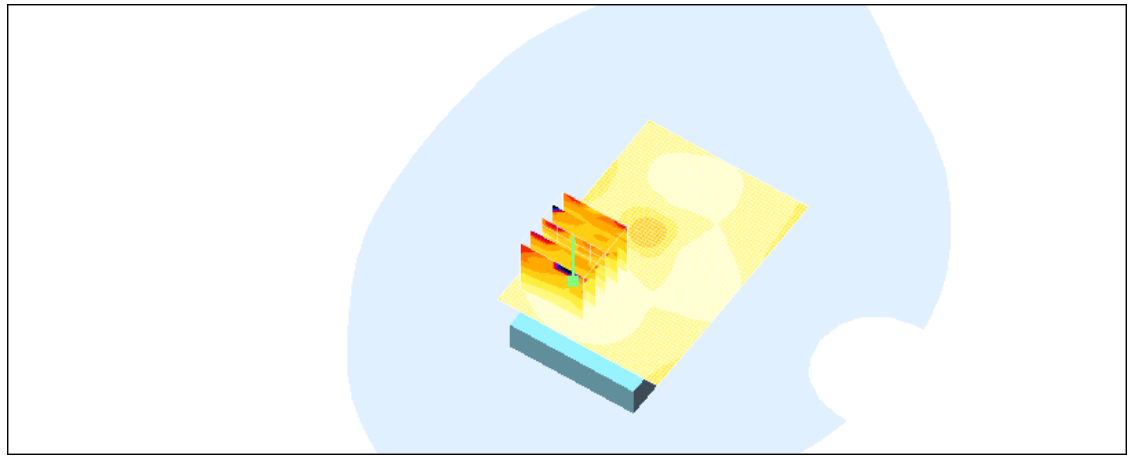
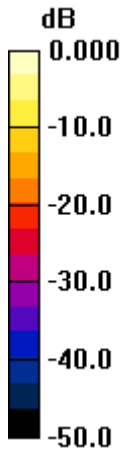
Peak SAR (extrapolated) = 0.078 W/kg

**SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.017 mW/g**


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

Maximum value of SAR (measured) = 0.032 mW/g





0 dB = 0.032mW/g

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Date/Time: 3/12/2010 2:04:44 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal Holster Back HS#1 802.11b mid chan amb temp 22.0C liq temp 21.2C da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.359 mW/g

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

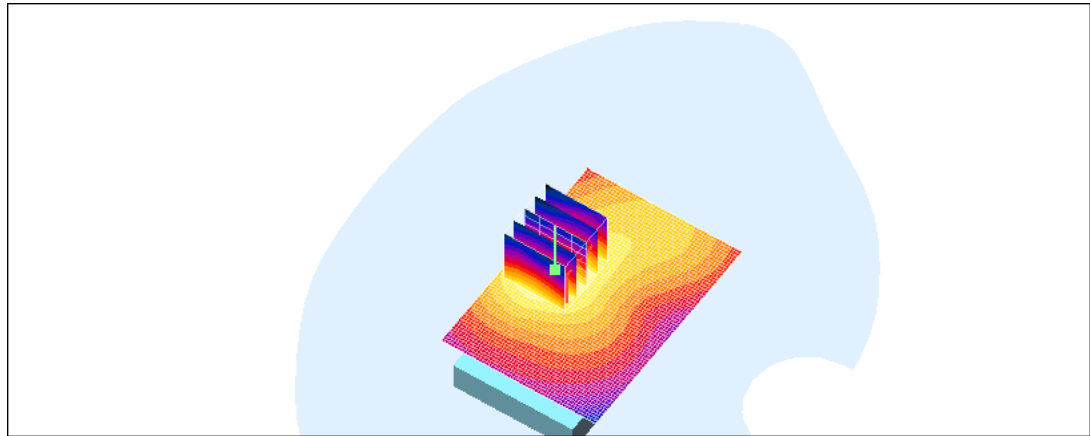
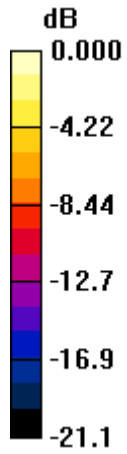
Reference Value = 9.00 V/m; Power Drift = -0.425 dB

Peak SAR (extrapolated) = 0.811 W/kg


**SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.160 mW/g**

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

Maximum value of SAR (measured) = 0.363 mW/g



0 dB = 0.363mW/g

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Date/Time: 3/12/2010 2:19:25 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal Holster Back HS#2 802.11b mid chan amb temp 22.5C liq temp 21.3C da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.338 mW/g

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

Reference Value = 9.53 V/m; Power Drift = -0.345 dB

Peak SAR (extrapolated) = 0.832 W/kg

**SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.163 mW/g**

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

Maximum value of SAR (measured) = 0.364 mW/g

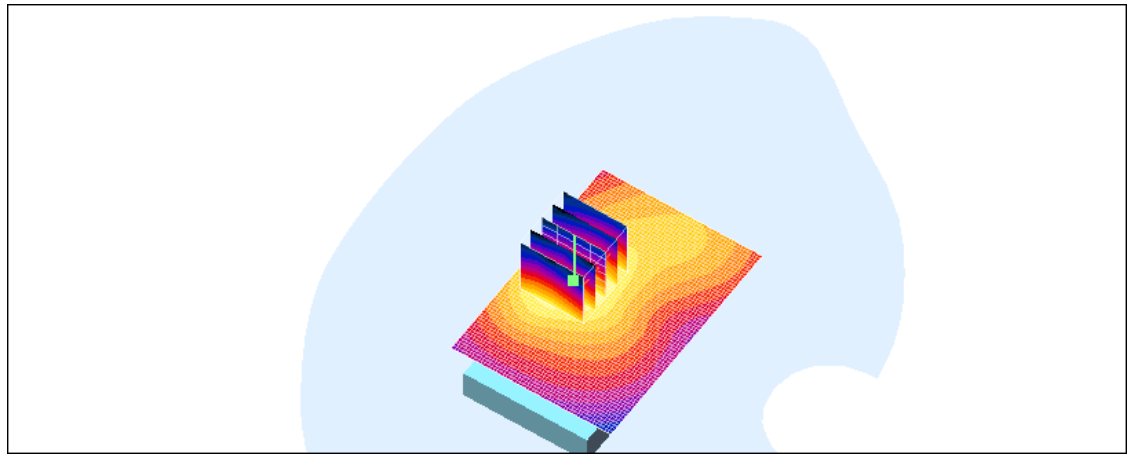
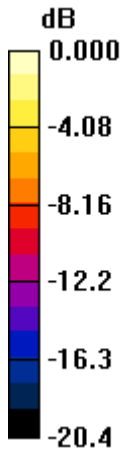
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

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0 dB = 0.364mW/g

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Date/Time: 3/12/2010 2:42:42 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[Horizontal Holster Back HS#3 802.11b mid chan amb temp 22.4C liq temp 21.5C da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.327 mW/g

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

Reference Value = 7.90 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 0.792 W/kg

**SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.157 mW/g**

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

Maximum value of SAR (measured) = 0.341 mW/g

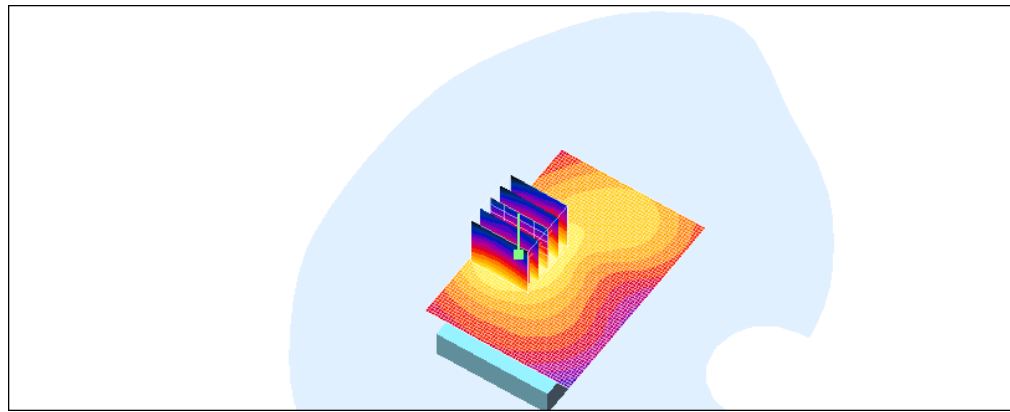
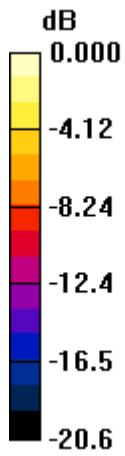
Author Data  
**Andrew Becker**

Dates of Test  
**Mar 12 – Mar 30, 2010**


Test Report No  
**RTS-2068-1004-37**

FCC ID:  
**L6ARCZ30CW**

IC ID:  
**2503A-RCZ30CW**



0 dB = 0.341mW/g

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Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
<b>Andrew Becker</b>	<b>Mar 12 – Mar 30, 2010</b>	<b>RTS-2068-1004-37</b>	<b>L6ARCZ30CW</b>	<b>2503A-RCZ30CW</b>

Date/Time: 3/12/2010 4:00:47 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

[25mm Space Body SAR Back 802.11b mid chan amb temp 22.5C liq temp 21.4C da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3154325B**

**Program Name: Compliance Testing: (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 50.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.11, 4.11, 4.11); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.107 mW/g

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

Reference Value = 5.37 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.227 W/kg

**SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.057 mW/g**

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

Maximum value of SAR (measured) = 0.106 mW/g



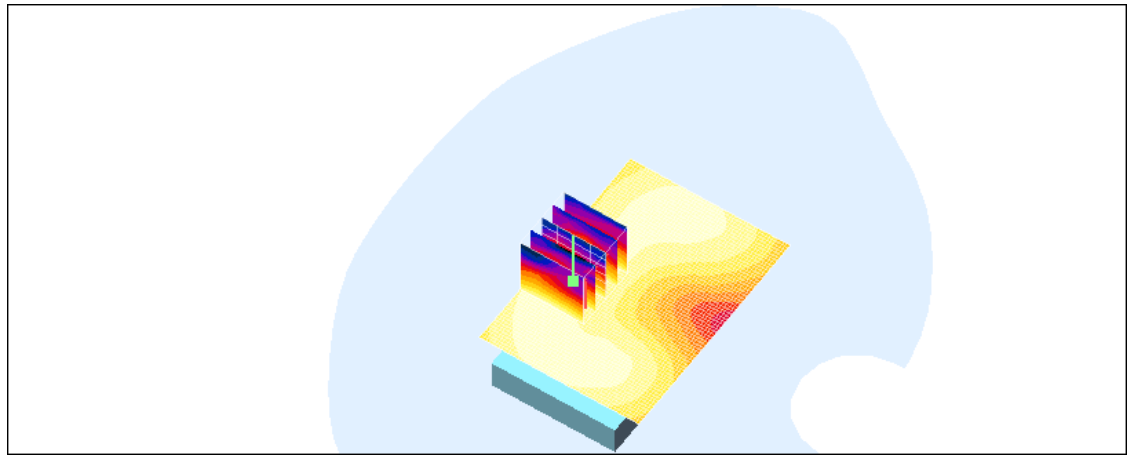
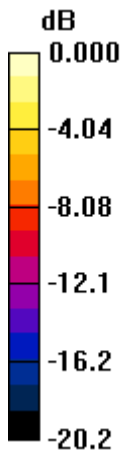
Author Data  
**Andrew Becker**

Dates of Test  
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**RTS-2068-1004-37**

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**L6ARCZ30CW**

IC ID:  
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0 dB = 0.106mW/g

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

